# **National Institute of Health and Care Excellence**

# Draft for consultation

# Faltering growth in children: recognition and management

Appendices E, F, G, H and I

NICE Guideline

Methods, evidence and recommendations

**April 2017** 

**Draft for Consultation** 

Developed by the National Guideline Alliance, hosted by the Royal College of Obstetricians and Gynaecologists

#### **Disclaimer**

Healthcare professionals are expected to take NICE clinical guidelines fully into account when exercising their clinical judgement. However, the guidance does not override the responsibility of healthcare professionals to make decisions appropriate to the circumstances of each patient, in consultation with the patient and/or their guardian or carer.

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# **Contents**

Appendices		9
Appendix E:	Search strategies	9
E.1 W	eight loss in the first days of life	9
	E.1.1 Medline and Medline In-Process & Other Non-Indexed Citations	9
	E.1.2 Cochrane Central Register of Controlled Trials (CCTR)	9
	E.1.3 Cochrane Database of Systematic Reviews (CDSR)	10
	E.1.4 Database of Abstracts of Reviews of Effects (DARE)	10
	E.1.5 Health Technology Assessment (HTA)	11
	E.1.6 Embase	11
E.2 Th	nresholds for faltering growth	12
	E.2.1 Medline and Medline In-Process & Other Non-Indexed Citations	12
	E.2.2 Cochrane Central Register of Controlled Trials (CCTR)	14
	E.2.3 Cochrane Database of Systematic Reviews (CDSR)	16
	E.2.4 Database of Abstracts of Reviews of Effects (DARE)	17
	E.2.5 Health Technology Assessment (HTA)	19
	E.2.6 Embase	20
E.3 W	eight loss associated with adverse outcomes	22
	E.3.1 Medline and Medline In-Process & Other Non-Indexed Citations	22
	E.3.2 Cochrane Central Register of Controlled Trials (CCTR)	23
	E.3.3 Cochrane Database of Systematic Reviews (CDSR)	24
	E.3.4 Database of Abstracts of Reviews of Effects (DARE)	25
	E.3.5 Health Technology Assessment (HTA)	26
	E.3.6 Embase	26
E.4 Di	fferences in feeding and eating	28
	E.4.1 Medline and Medline In-Process & Other Non-Indexed Citations	28
	E.4.2 Cochrane Central Register of Controlled Trials (CCTR)	30
	E.4.3 Cochrane Database of Systematic Reviews (CDSR)	31
	E.4.4 Database of Abstracts of Reviews of Effects (DARE)	32
	E.4.5 Health Technology Assessment (HTA)	34
	E.4.6 Embase	35
E.5 Ap	pproaches in assessing feeding and eating	37
	E.5.1 Medline and Medline In-Process & Other Non-Indexed Citations	37
	E.5.2 Cochrane Central Register of Controlled Trials (CCTR)	38
	E.5.3 Cochrane Database of Systematic Reviews (CDSR)	40
	E.5.4 Database of Abstracts of Reviews of Effects (DARE)	41
	E.5.5 Health Technology Assessment (HTA)	42
	E.5.6 Embase	43
E.6 Ri	sk factors	45

E.6.1 Medline and Medline In-Process & Other Non-Indexed Citations	45
E.6.2 Cochrane Central Register of Controlled Trials (CCTR)	47
E.6.3 Cochrane Database of Systematic Reviews (CDSR)	49
E.6.4 Database of Abstracts of Reviews of Effects (DARE)	50
E.6.5 Health Technology Assessment (HTA)	52
E.6.6 Embase	54
E.7 Prevalence of specific causative conditions	56
E.7.1 Medline and Medline In-Process & Other Non-Indexed Citations	56
E.7.2 Cochrane Central Register of Controlled Trials (CCTR)	58
E.7.3 Cochrane Database of Systematic Reviews (CDSR)	60
E.7.4 Database of Abstracts of Reviews of Effects (DARE)	61
E.7.5 Health Technology Assessment (HTA)	63
E.7.6 Embase	64
E.8 Breastfeeding support	67
E.8.1 Medline and Medline In-Process & Other Non-Indexed Citations	67
E.8.2 Cochrane Central Register of Controlled Trials (CCTR)	69
E.8.3 Cochrane Database of Systematic Reviews (CDSR)	70
E.8.4 Database of Abstracts of Reviews of Effects (DARE)	71
E.8.5 Health Technology Assessment (HTA)	
E.8.6 Embase	74
E.8.7 Cumulative Index to Nursing and Allied Health Literature (CINAHL)	76
E.9 Dietary advice and supplementation	77
E.9.1 Medline and Medline In-Process & Other Non-Indexed Citations	77
E.9.2 Cochrane Central Register of Controlled Trials (CCTR)	79
E.9.3 Cochrane Database of Systematic Reviews (CDSR)	81
E.9.4 Database of Abstracts of Reviews of Effects (DARE)	82
E.9.5 Health Technology Assessment (HTA)	83
E.9.6 Embase	85
E.10Non-nutritional interventions	87
E.10.1Medline and Medline In-Process & Other Non-Indexed Citations	87
E.10.2Cochrane Central Register of Controlled Trials (CCTR)	89
E.10.3Cochrane Database of Systematic Reviews (CDSR)	91
E.10.4Database of Abstracts of Reviews of Effects (DARE)	92
E.10.5Health Technology Assessment (HTA)	94
E.10.6Embase	95
E.10.7PsycInfo	97
E.10.8Cumulative Index to Nursing and Allied Health Literature (CINAHL)	99
E.10.9Allied and Complementary Medicine Database (AMED)	100
E.11Monitoring	101

E.11.1Medline and Medline In-Process & Other Non-Indexed Citation	ns. 101
E.11.2Cochrane Central Register of Controlled Trials (CCTR)	103
E.11.3Cochrane Database of Systematic Reviews (CDSR)	104
E.11.4Database of Abstracts of Reviews of Effects (DARE)	105
E.11.5Health Technology Assessment (HTA)	106
E.11.6Embase	107
E.12Referral	109
E.12.1 Medline and Medline In-Process & Other Non-Indexed Citation	ons 109
E.12.2 Cochrane Central Register of Controlled Trials (CCTR)	110
E.12.3 Cochrane Database of Systematic Reviews (CDSR)	111
E.12.4 Database of Abstracts of Reviews of Effects (DARE)	112
E.12.5 Health Technology Assessment (HTA)	114
E.12.6 Embase	115
E.13Organisation of care	116
E.13.1Medline and Medline In-Process & Other Non-Indexed Citatio	ns. 116
E.13.2Cochrane Central Register of Controlled Trials (CCTR)	118
E.13.3Cochrane Database of Systematic Reviews (CDSR)	120
E.13.4Database of Abstracts of Reviews of Effects (DARE)	121
E.13.5Health Technology Assessment (HTA)	122
E.13.6Embase	123
E.14Information and support	125
E.14.1Medline and Medline In-Process & Other Non-Indexed Citatio	ns. 125
E.14.2Cochrane Central Register of Controlled Trials (CCTR)	127
E.14.3Cochrane Database of Systematic Reviews (CDSR)	129
E.14.4Database of Abstracts of Reviews of Effects (DARE)	130
E.14.5Health Technology Assessment (HTA)	132
E.14.6Embase	133
E.14.7PsycInfo	135
E.14.8Medline and Medline In-Process & Other Non-Indexed Citatio	ns. 136
E.14.9Cochrane Central Register of Controlled Trials (CCTR)	138
E.14.10 Cochrane Database of Systematic Reviews (CDSR)	140
E.14.11 Database of Abstracts of Reviews of Effects (DARE)	141
E.14.12 Health Technology Assessment (HTA)	142
E.14.13 Embase	143
E.14.14 PsycInfo	145
E.15Health economics global search	147
E.15.1Medline and Medline In-Process & Other Non-Indexed Citatio	ns. 147
E.15.2Cochrane Central Register of Controlled Trials (CCTR)	148
E.15.3Health Technology Assessment (HTA)	
E 15 (NHS Economic Evaluation Database (NHSEED)	

	151
Appendix F: Summary of identified studies	153
F.1 Weight loss in the first days of life	153
F.2 Thresholds for faltering growth	154
F.3 Weight loss associated with adverse outcomes	155
F.4 Differences in feeding and eating	156
F.5 Approaches in assessing feeding and eating	157
F.6 Risk factors	158
F.7 Prevalence of specific causative organic disorders	159
F.8 Breastfeeding support	160
F.9 Dietary advice and supplementation	161
F.10Non-nutritional interventions	162
F.11 Monitoring	162
F.12Referral	164
F.13Organisation of care	165
F.14Information and support	166
Appendix G: Evidence tables Error! Bookma	rk not defined.
G.1 Weight loss on the first days of life Error! Bookma	rk not defined.
G.2 Thresholds for faltering growth	199
G.3 Weight loss associated with adverse outcomes	194
G.4 Differences in feeding and eating	207
G.5 Approaches in assessing feeding and eating	236
G.6 Risk factors	240
G.7 Prevalence of specific causative conditions	259
	263
G.8 Breastfeeding support	
G.8 Breastfeeding support	
•	263
G.9 Dietary advice and supplementation	263 274
G.9 Dietary advice and supplementation	
G.9 Dietary advice and supplementation  G.10Non-nutritional interventions  G.11Monitoring	
G.9 Dietary advice and supplementation  G.10Non-nutritional interventions  G.11Monitoring  G.12Referral	
G.9 Dietary advice and supplementation  G.10Non-nutritional interventions  G.11Monitoring  G.12Referral  G.13Organisation of care	
G.9 Dietary advice and supplementation G.10Non-nutritional interventions G.11Monitoring G.12Referral G.13Organisation of care G.14Information and support	
G.9 Dietary advice and supplementation G.10Non-nutritional interventions G.11Monitoring. G.12Referral. G.13Organisation of care G.14Information and support Appendix H: Excluded studies.	
G.9 Dietary advice and supplementation G.10Non-nutritional interventions G.11Monitoring G.12Referral G.13Organisation of care G.14Information and support  Appendix H: Excluded studies H.1 Weight loss in the first days of life	
G.9 Dietary advice and supplementation G.10Non-nutritional interventions G.11Monitoring G.12Referral G.13Organisation of care G.14Information and support  Appendix H: Excluded studies H.1 Weight loss in the first days of life H.2 Thresholds for faltering growth H.3 Weight loss associated with adverse outcomes H.4 Differences in feeding and eating	
G.9 Dietary advice and supplementation G.10Non-nutritional interventions G.11Monitoring G.12Referral G.13Organisation of care G.14Information and support  Appendix H: Excluded studies H.1 Weight loss in the first days of life H.2 Thresholds for faltering growth H.3 Weight loss associated with adverse outcomes H.4 Differences in feeding and eating H.5 Approaches in assessing feeding and eating	
G.9 Dietary advice and supplementation G.10Non-nutritional interventions G.11Monitoring G.12Referral G.13Organisation of care G.14Information and support  Appendix H: Excluded studies H.1 Weight loss in the first days of life H.2 Thresholds for faltering growth H.3 Weight loss associated with adverse outcomes H.4 Differences in feeding and eating	
G.9 Dietary advice and supplementation G.10Non-nutritional interventions G.11Monitoring G.12Referral G.13Organisation of care G.14Information and support  Appendix H: Excluded studies H.1 Weight loss in the first days of life H.2 Thresholds for faltering growth H.3 Weight loss associated with adverse outcomes H.4 Differences in feeding and eating H.5 Approaches in assessing feeding and eating	

H.9 Dietary advice and supplementation	320
H.10 Non-nutritional interventions	329
H.11 Monitoring	331
H.12 Referral	333
H.13 Organisation of care	334
H.14 Information and support	335
Appendix I: Forest and percentage plots	338
I.1 Weight loss in the first days of life	339
I.2 Thresholds for faltering growth	340
I.3 Weight loss associated with adverse outcomes	
I.4 Differences in feeding and eating	341
I.5 Approaches in assessing feeding and eating	341
I.6 Risk factors	341
I.7 Prevalence of specific causative organic disorders	341
I.8 Breastfeeding support	341
I.9 Dietary advice and supplementation	341
I.10 Non-nutritional interventions	344
I.11 Monitoring	344
I.12 Referral	345
I.13 Organisation of care	345
I.13.1 Structured health visitor management compared to routine monitoring only	
I.13.2Specialised home visit + outpatient clinic compared to outpatient clini only	
I.13.3Lay home visit + growth and nutrition clinic compared to clinic only	347
I.14 Information and support	348

# 1 Appendices

# 2 Appendix E: Search strategies

# 3 E.1 Weight loss in the first days of life

#### E.1.1 Medline and Medline In-Process & Other Non-Indexed Citations

Med	lline and Medline In-Process & Other Non-Indexed Citations
#	Searches
1	INFANT, NEWBORN/
2	(neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
3	1 or 2
4	WEIGHT LOSS/
5	3 and 4
6	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab.
7	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (under weight? or underweight?)).ti,ab.
8	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
9	INFANT, NEWBORN/ and (HYPERNATREMIA/ or *DEHYDRATION/)
10	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.
11	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
12	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
13	or/5-12
14	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
15	WEIGHT LOSS/
16	(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.
17	or/15-16
18	14 and 17
19	13 or 18
20	limit 19 to english language
21	LETTER/
22	EDITORIAL/
23	NEWS/
24	exp HISTORICAL ARTICLE/
25	ANECDOTES AS TOPIC/
26	COMMENT/
27	CASE REPORT/
28	(letter or comment*).ti.
29	or/21-28
30	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
31	29 not 30
32	ANIMALS/ not HUMANS/
33	exp ANIMALS, LABORATORY/
34	exp ANIMAL EXPERIMENTATION/
35	exp MODELS, ANIMAL/
36	exp RODENTIA/
37	(rat or rats or mouse or mice).ti.
38	or/31-37
39	20 not 38

# E.1.2 Cochrane Central Register of Controlled Trials (CCTR)

#	Searches	
1	INFANT, NEWBORN/	
2	(neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.	
3	1 or 2	
4	WEIGHT LOSS/	

#	Searches
5	3 and 4
6	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab.
7	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 underweight?).ti,ab.
8	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
9	INFANT, NEWBORN/ and (HYPERNATREMIA/ or *DEHYDRATION/)
10	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.
11	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
12	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
13	or/5-12
14	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
15	WEIGHT LOSS/
16	(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.
17	or/15-16
18	14 and 17
19	13 or 18

2 E.1.3 Cochrane Database of Systematic Reviews (CDSR)

INFANT, NEWBORN.kw. (neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab. 1 or 2 WEIGHT LOSS.kw. 3 and 4 ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab. ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 underweight?).ti,ab. ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 underweight?).ti,ab. ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab. ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab. ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab. ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/5-12 ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.  WEIGHT LOSS.kw. (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.  or/15-16 14 4 and 17 19 13 or 18		mane balabase of Systematic Neviews (CDSN)
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<ul> <li>1 or 2</li> <li>WEIGHT LOSS.kw.</li> <li>3 and 4</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))), ti, ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 underweight?), ti, ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)), ti, ab.</li> <li>((INFANT, NEWBORN and (HYPERNATREMIA or DEHYDRATION)), kw.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)), ti, ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))), ti, ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))), ti, ab.</li> <li>or/5-12</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference"), ti, ab.</li> <li>WEIGHT LOSS, kw.</li> <li>(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)), ti, ab.</li> <li>or/15-16</li> <li>14 4 and 17</li> </ul>	1	INFANT, NEWBORN.kw.
WEIGHT LOSS.kw. 3 and 4 ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab. ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 underweight?).ti,ab. ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab. ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((hypernatr\$ or dehyrat\$)).ti,ab. ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab. ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab. ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab. ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.  WEIGHT LOSS.kw. (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.	2	(neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
<ul> <li>3 and 4</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 underweight?).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.</li> <li>((Neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "15.\$" or "15.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/5-12</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.</li> <li>WEIGHT LOSS.kw.</li> <li>(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.</li> <li>07/15-16</li> <li>14 and 17</li> </ul>	3	1 or 2
<ul> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 underweight?).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.</li> <li>((INFANT, NEWBORN and (HYPERNATREMIA or DEHYDRATION)).kw.</li> <li>(((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>(((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/5-12</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.</li> <li>WEIGHT LOSS.kw.</li> <li>(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.</li> <li>or/15-16</li> <li>14 and 17</li> </ul>	4	WEIGHT LOSS.kw.
reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 underweight?).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((hypernatr\$ or dehyrat\$)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "15.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/5-12  (("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.  WEIGHT LOSS.kw.  ((Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.  14 and 17	5	3 and 4
<ul> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.</li> <li>((INFANT, NEWBORN and (HYPERNATREMIA or DEHYDRATION)).kw.</li> <li>(((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>(((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>(((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/5-12</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.</li> <li>WEIGHT LOSS.kw.</li> <li>(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.</li> <li>or/15-16</li> <li>14 and 17</li> </ul>	6	
<ul> <li>adj2 gain\$)).ti,ab.</li> <li>(INFANT, NEWBORN and (HYPERNATREMIA or DEHYDRATION)).kw.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/5-12</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.</li> <li>WEIGHT LOSS.kw.</li> <li>(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.</li> <li>or/15-16</li> <li>14 and 17</li> </ul>	7	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 underweight?).ti,ab.
<ul> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/5-12</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.</li> <li>WEIGHT LOSS.kw.</li> <li>(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.</li> <li>or/15-16</li> <li>14 and 17</li> </ul>	8	
<ul> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/5-12</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.</li> <li>WEIGHT LOSS.kw.</li> <li>(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.</li> <li>or/15-16</li> <li>14 and 17</li> </ul>	9	(INFANT, NEWBORN and (HYPERNATREMIA or DEHYDRATION)).kw.
follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/5-12  ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.  WEIGHT LOSS.kw.  (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.  or/15-16  14 and 17	10	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.
"14.\$" or "15.\$" or "16.\$" or "17.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/5-12  ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.  WEIGHT LOSS.kw.  (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.  or/15-16  14 and 17	11	follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
<ul> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.</li> <li>WEIGHT LOSS.kw.</li> <li>(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.</li> <li>or/15-16</li> <li>14 and 17</li> </ul>	12	"14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or
<ul> <li>Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.</li> <li>WEIGHT LOSS.kw.</li> <li>(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.</li> <li>or/15-16</li> <li>14 and 17</li> </ul>	13	or/5-12
<ul> <li>(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.</li> <li>or/15-16</li> <li>14 and 17</li> </ul>	14	Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
17 or/15-16 18 14 and 17	_	
18 14 and 17	16	
	17	or/15-16
19 13 or 18	_	
	19	13 or 18

## 4 E.1.4 Database of Abstracts of Reviews of Effects (DARE)

#	Searches
1	INFANT, NEWBORN.kw.
2	(neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw,tx.
3	1 or 2
4	WEIGHT LOSS.kw.
5	3 and 4
6	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).tw,tx.
7	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 underweight?).tw,tx.
8	((neonat\$ or newborn\$ or haby or habies or pre#mie? or premie or premies) adi7 ((Slow\$ or insufficient\$) adi2 weight

#	Searches
	adj2 gain\$)).tw,tx.
9	(INFANT, NEWBORN and (HYPERNATREMIA or DEHYDRATION)).kw.
10	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).tw,tx.
11	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
12	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
13	or/5-12
14	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.
15	WEIGHT LOSS.kw.
16	(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).tw,tx.
17	or/15-16
18	14 and 17
19	13 or 18

#### 2 E.1.5 Health Technology Assessment (HTA)

#	Searches
1	INFANT, NEWBORN/
2	
	(neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
3	1 or 2
4	WEIGHT LOSS/
5	3 and 4
6	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).tw.
7	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (under weight? or underweight?)).tw.
8	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
9	INFANT, NEWBORN/ and (HYPERNATREMIA/ or *DEHYDRATION/)
10	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).tw.
11	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
12	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "16.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
13	or/5-12
14	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw.
15	WEIGHT LOSS/
16	(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).tw.
17	or/15-16
18	14 and 17
19	13 or 18
. •	

#### 4 E.1.6 Embase

#	Searches
1	NEWBORN/ or BABY/
2	(neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
3	1 or 2
4	*WEIGHT REDUCTION/
5	3 and 4
6	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab.
7	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (under weight? or underweight?)).ti,ab.
8	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
9	(NEWBORN/ or BABY/) and (HYPERNATREMIA/ or *DEHYDRATION/)
10	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.
11	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or

#	Searches
	physiolog\$))).ti,ab.
12	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
13	or/5-12
14	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
15	WEIGHT REDUCTION/
16	(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.
17	or/15-16
18	14 and 17
19	13 or 18
20	limit 19 to english language
21	letter.pt. or LETTER/
22	note.pt.
23	editorial.pt.
24	CASE REPORT/ or CASE STUDY/
25	(letter or comment*).ti.
26	or/21-25
27	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
28	26 not 27
29	ANIMAL/ not HUMAN/
30	NONHUMAN/
31	exp ANIMAL EXPERIMENT/
32	exp EXPERIMENTAL ANIMAL/
33	ANIMAL MODEL/
34	exp RODENT/
35	(rat or rats or mouse or mice).ti.
36	or/28-35
37	20 not 36

# 2 E.2 Thresholds for faltering growth

1

#### 3 E.2.1 Medline and Medline In-Process & Other Non-Indexed Citations

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or

#	Searches
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
36	or/25-35
37 38	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/) ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
	dehyrat\$)).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
41 42	or/37-40 13 or 24 or 36 or 41
43	*SEVERITY OF ILLNESS INDEX/
44	INTERNATIONAL CLASSIFICATION OF DISEASES/
45	CLASSIFICATION/
46	REFERENCE STANDARDS/
47 48	*REFERENCE VALUES/
49	(reference adj2 (standard? or value? or range?)).ti. (reference adj2 (standard? or value? or range?)).ab. /freq=2
50	(growth adj1 (reference? or standard?)).ti.
51	(growth adj1 (reference? or standard?)).ab. /freq=2
52	(cut off adj1 (score? or value? or point?)).ti,ab.
53	(threshold? adj3 value?).ti,ab.
54	GROWTH CHARTS/
55 56	Growth chart?.ti. Growth chart?.ab. /freq=2
57	(low adj1 (weight? or BMI? or height?) adj2 age?).ti,ab.
58	(low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab.
59	(underweight? adj2 (age or length? or height?)).ti,ab.
60	((weight? or underweight or BMI?) adj10 ((2nd or second or 1st or first) adj3 (percentile? or centile?))).ti,ab.
61 62	((weight? or underweight or BMI?) adj5 (("0.\$" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab. ((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.
63	(condition\$ adj5 weight gain).ti,ab.
64	CWG.ti,ab.
65	((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.
66	or/43-65
67	FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.
68	FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ab. /freq=2
69	((fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ti.
70	((fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ab. /freq=2
71	((grow\$ or weight? or height? or length?) adj1 (disorder? or deficien\$ or poor) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ti.
72	((grow\$ or weight? or height? or length?) adj1 (disorder? or deficien\$ or poor) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ab. /freq=2
73	(weight? adj1 (low or under\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ti.
74	(weight? adj1 (low or under\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ab. /freq=2
75	((malnutrition\$ or underweight? or under weight? or wasting or stunting or stunted) adj2 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ti.
76	((malnutrition\$ or underweight? or under weight? or wasting or stunting or stunted) adj2 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ab. /freq=2
77	or/67-76
78	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead

#	Searches
	Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in
	Bradford" or "UK 1990 Growth Reference").ti,ab.
79	FAILURE TO THRIVE/cl [Classification]
80	*FAILURE TO THRIVE/di [Diagnosis]
81	MALNUTRITION/cl [Classification]
82	*MALNUTRITION/di [Diagnosis]
83	or/79-82
84	42 and 66
85	7 and 77
86	42 and 78
87	7 and 83
88	or/84-87
89	limit 88 to english language
90	LETTER/
91	EDITORIAL/
92	NEWS/
93	exp HISTORICAL ARTICLE/
94	ANECDOTES AS TOPIC/
95	COMMENT/
96	CASE REPORT/
97	(letter or comment*).ti.
98	or/90-97
99	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
100	98 not 99
101	ANIMALS/ not HUMANS/
102	exp ANIMALS, LABORATORY/
103	exp ANIMAL EXPERIMENTATION/
104	exp MODELS, ANIMAL/
105	exp RODENTIA/
106	(rat or rats or mouse or mice).ti.
107	or/100-106
108	89 not 107

2 E.2.2 Cochrane Central Register of Controlled Trials (CCTR)

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,kw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab,kw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))),ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or

#	Searches
	premie or premies) adj5 (undernutrition\$ or poor nutrition\$ or undernourish\$ or underweight? or ((feed\$ or eat\$ or
	nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adi7 (grow\$ adi1 (disorder or deficien\$ or poor\$ or fail\$))), ti, ab.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
41	or/37-40
42	13 or 24 or 36 or 41
43 44	*SEVERITY OF ILLNESS INDEX/ INTERNATIONAL CLASSIFICATION OF DISEASES/
45	CLASSIFICATION/
46	REFERENCE STANDARDS/
47	*REFERENCE VALUES/
48	(reference adj2 (standard? or value? or range?)).ti.
49	(reference adj2 (standard? or value? or range?)).ab. /freq=2
50	(growth adj1 (reference? or standard?)).ti.
51 52	(growth adj1 (reference? or standard?)).ab. /freq=2 (cut off adj1 (score? or value? or point?)).ti,ab.
53	(threshold? adj3 value?).ti,ab.
54	GROWTH CHARTS/
55	Growth chart?.ti.
56	Growth chart?.ab. /freq=2
57 58	(low adj1 (weight? or BMI? or height?) adj2 age?).ti,ab. (low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab.
59	(underweight? adj2 (age or length? or height?)).ti,ab.
60	((weight? or underweight or BMI?) adj10 ((2nd or second or 1st or first) adj3 (percentile? or centile?))).ti,ab.
61	((weight? or underweight or BMI?) adj5 (("0.\$" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab.
62	((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.
63	(condition\$ adj5 weight gain).ti,ab.
64 65	CWG.ti,ab.  ((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or
66	stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.
67	FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.
68	FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ab. /freq=2
69	((fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ti.
70	((fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ab. /freq=2
71	((grow\$ or weight? or height? or length?) adj1 (disorder? or deficien\$ or poor) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ti.
72	((grow\$ or weight? or height? or length?) adj1 (disorder? or deficien\$ or poor) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ab. /freq=2
73	(weight? adj1 (low or under\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ti.
74	(weight? adj1 (low or under\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ab. /freq=2
75	((malnutrition\$ or underweight? or under weight? or wasting or stunting or stunted) adj2 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ti.
76	((malnutrition\$ or underweight? or under weight? or wasting or stunting or stunted) adj2 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ab. /freq=2
77	or/67-76
78	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.

#	Searches
79	FAILURE TO THRIVE/cl [Classification]
80	FAILURE TO THRIVE/di [Diagnosis]
81	MALNUTRITION/cl [Classification]
82	MALNUTRITION/di [Diagnosis]
83	or/79-82
84	42 and 66
85	7 and 77
86	42 and 78
87	7 and 83
88	or/84-87

1

## E.2.3 Cochrane Database of Systematic Reviews (CDSR)

#	chrane Database of Systematic Reviews (CDSR)
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.  PEDIATRICS.kw.
5	
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).ti,ab.
10 11	FTT.ti,ab. (falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT CHANGES.KW. BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
00	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
24	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
35	or/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
01	dehyrat\$)).ti,ab.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
	physiolog\$))).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$"
	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
4.0	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	or/36-39
41	13 or 23 or 35 or 40
42	SEVERITY OF ILLNESS INDEX.kw.

#	Searches
43	INTERNATIONAL CLASSIFICATION OF DISEASES.kw.
43	CLASSIFICATION.kw.
44	REFERENCE STANDARDS.kw.
46	REFERENCE VALUES.kw. (reference adj2 (standard? or value? or range?)).ti.
47	· · · · · · · · · · · · · · · · · · ·
48 49	(reference adj2 (standard? or value? or range?)).ab. (growth adj1 (reference? or standard?)).ti.
50	(growth adj1 (reference? or standard?)).ab.
51 52	(cut off adj1 (score? or value? or point?)).ti,ab. (threshold? adj3 value?).ti,ab.
53	GROWTH CHARTS.kw.
54	Growth chart?.ti.
55	Growth chart?.ab.
56	(low adj1 (weight? or BMI? or height?) adj2 age?).ti,ab.
57	(low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab.
58	(underweight? adj2 (age or length? or height?)).ti,ab.
59	((weight? or underweight or BMI?) adj10 ((2nd or second or 1st or first) adj3 (percentile? or centile?))).ti,ab.
60	((weight? or underweight or BMI?) adj5 (("0.\$" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab.
61	((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.
62	(condition\$ adj5 weight gain).ti,ab.
63	CWG.ti,ab.
64	((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or
0-1	stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.
65	0r/42-64
66	FAILURE TO THRIVE.kw. and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or
	diagnos\$).ti.
67	FAILURE TO THRIVE.kw. and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or
	diagnos\$).ab. /freq=2
68	((fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or
	defin\$ or criteri\$ or diagnos\$)).ti.
69	((fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or
	defin\$ or criteri\$ or diagnos\$)).ab.
70	((grow\$ or weight? or height? or length?) adj1 (disorder? or deficien\$ or poor) adj5 (grad\$ or severit\$ or classif\$ or
	index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ti.
71	((grow\$ or weight? or height? or length?) adj1 (disorder? or deficien\$ or poor) adj5 (grad\$ or severit\$ or classif\$ or
70	index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ab.
72	(weight? adj1 (low or under\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$
73	or diagnos\$)).ti. (weight? adj1 (low or under\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$
13	or diagnos\$)).ab.
74	((malnutrition\$ or underweight? or under weight? or wasting or stunting or stunted) adj2 (grad\$ or severit\$ or classif\$ or
, –	index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ti.
75	((malnutrition\$ or underweight? or under weight? or wasting or stunting or stunted) adj2 (grad\$ or severit\$ or classif\$ or
	index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ab.
76	or/66-75
77	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead
	Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in
	Bradford" or "UK 1990 Growth Reference").ti,ab.
78	41 and 65
79	7 and 76
80	41 and 77
81	or/78-80

2 E.2.4 Database of Abstracts of Reviews of Effects (DARE)

#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw,tx.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw,tx.
5	PEDIATRICS.kw.
6	p?ediatric\$.tw,tx.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).tw,tx.
10	FTT.tw,tx.
11	(falter\$ adj3 (weight or grow\$)).tw,tx.
12	or/8-11
13	7 and 12

#	Searches WEIGHT LOOP Inc.
14 15	WEIGHT LOSS.kw. BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT CHANGES.kw. BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24 25	CHILD NUTRITION DISORDERS.kw. INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
00	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw,tx.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw,tx.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
32	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw,tx. ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
32	premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw,tx.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw,tx.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw,tx.
35 36	or/24-34 (INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
0,	dehyrat\$)).tw,tx.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
40	or/36-39
41	13 or 23 or 35 or 40
42	SEVERITY OF ILLNESS INDEX.kw.
43	INTERNATIONAL CLASSIFICATION OF DISEASES.kw.
44 45	CLASSIFICATION.kw. REFERENCE STANDARDS.kw.
46	REFERENCE VALUES.kw.
47	(reference adj2 (standard? or value? or range?)).tw.
48	(reference adj2 (standard? or value? or range?)).tx.
49	(growth adj1 (reference? or standard?)).tw.
50	(growth adj1 (reference? or standard?)).tx.
51 52	(cut off adj1 (score? or value? or point?)).tw,tx.
53	(threshold? adj3 value?).tw,tx.  GROWTH CHARTS.kw.
54	Growth chart?.tw.
55	Growth chart?.tx.
56	(low adj1 (weight? or BMI? or height?) adj2 age?).tw,tx.
57	(low adj1 (weight? or BMI?) adj2 (length? or height?)).tw,tx.
58	(underweight? adj2 (age or length? or height?)).tw,tx.
59	((weight? or underweight or BMI?) adj10 ((2nd or second or 1st or first) adj3 (percentile? or centile?))).tw,tx. ((weight? or underweight or BMI?) adj5 (("0.\$" or "1.\$" or "2.0") adj3 (percentile? or centile?))).tw,tx.
60 61	((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).tw,tx.
62	(condition\$ adj5 weight gain).tw,tx.
63	CWG.tw,tx.
64	((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).tw,tx.
65	or/42-64
66	FAILURE TO THRIVE.kw. and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).tw,tx.
67	((fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).tw.
68	((fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).tx.

#	Searches
69	((grow\$ or weight? or height? or length?) adj1 (disorder? or deficien\$ or poor) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).tw.
70	((grow\$ or weight? or height? or length?) adj1 (disorder? or deficien\$ or poor) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).tx.
71	(weight? adj1 (low or under\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).tw.
72	(weight? adj1 (low or under\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).tx.
73	((malnutrition\$ or underweight? or under weight? or wasting or stunting or stunted) adj2 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).tx. /freq=2
74	or/66-73
75	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.
76	41 and 65
77	7 and 74
78	41 and 75
79	or/76-78

## 2 E.2.5 Health Technology Assessment (HTA)

	recliniology Assessment (ITTA)
#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
5	exp PEDIATRICS/
6	p?ediatric\$.tw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).tw.
10	FTT.tw.
11	(falter\$ adj3 (weight or grow\$)).tw.
12	01/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw.

#	Searches
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
00	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
41	or/37-40
42	13 or 24 or 36 or 41
43	*SEVERITY OF ILLNESS INDEX/
44	INTERNATIONAL CLASSIFICATION OF DISEASES/
45	CLASSIFICATION/
46	REFERENCE STANDARDS/
47	*REFERENCE VALUES/
48	(reference adj2 (standard? or value? or range?)).tw.
49	(growth adj1 (reference? or standard?)).tw.
50	(cut off adj1 (score? or value? or point?)).tw.
51	(threshold? adj3 value?).tw.
52	GROWTH CHARTS/
53	Growth chart?.tw.
54	(low adj1 (weight? or BMI? or height?) adj2 age?).tw.
55	(low adj1 (weight? or BMI?) adj2 (length? or height?)).tw.
56	(underweight? adj2 (age or length? or height?)).tw.
57	((weight? or underweight or BMI?) adj10 ((2nd or second or 1st or first) adj3 (percentile? or centile?))).tw.
58	((weight? or underweight or BMI?) adj5 (("0.\$" or "1.\$" or "2.0") adj3 (percentile? or centile?))).tw.
59	((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).tw.
60	(condition\$ adj5 weight gain).tw.
61	CWG.tw.
62	((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).tw.
63	or/43-62
64	FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).tw.
65	((fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).tw.
66	((grow\$ or weight? or height? or length?) adj1 (disorder? or deficien\$ or poor) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).tw.
67	(weight? adj1 (low or under\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).tw.
68	((malnutrition\$ or underweight? or under weight? or wasting or stunting or stunted) adj2 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).tw.
69	or/64-68
70	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw.
71	FAILURE TO THRIVE/cl [Classification]
72	FAILURE TO THRIVE/di [Diagnosis]
73	MALNUTRITION/cl [Classification]
74	MALNUTRITION/di [Diagnosis]
75	or/71-74
76	42 and 63
77	7 and 69
78	42 and 70
79	7 and 75
80	or/76-79

## 2 **E.2.6 Embase**

	Lilibase	
#	Searches	
1	PRESCHOOL CHILD/ or TODDLER/	
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.	
3	exp INFANT/	
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.	
5	exp PEDIATRICS/	
6	p?ediatric\$.ti,ab.	
7	or/1-6	
8	FAILURE TO THRIVE/	
9	(fail\$ adj2 thriv\$).ti,ab.	
10	FTT.ti,ab.	
11	(falter\$ adj3 (weight or grow\$)).ti,ab.	

12 0/8-11 13 7 and 12 14 "WEIGHT REDUCTION" WEIGHT FLUOTUATION" WEIGHT FLUOTUATION  WEIGHT FLUOTUATION  (PRESCHOOL CHILD or TODDLER/ or exp INFANT) and "NUTRITIONAL DISORDER/ (PRESCHOOL CHILD or TODDLER/ or exp INFANT) and "ALINUTRITIONAL DISORDER/ (PRESCHOOL CHILD or TODDLER/ or exp INFANT) and "ALINUTRITIONAL DISORDER/ (PRESCHOOL CHILD or TODDLER/ or exp INFANT) and "ALINUTRITIONAL DISORDER/ (PRESCHOOL CHILD or TODDLER/ or exp INFANT) and "ARINUTRITIONAL DISORDER/ (PRESCHOOL CHILD or TODDLER/ or exp INFANT) and "ARINUTRITIONAL DISORDER/ (PRESCHOOL CHILD or TODDLER/ or exp INFANT) and "ARINUTRITIONAL DISORDER/ (PRESCHOOL CHILD or TODDLER/ or exp INFANT) and "ARINUTRITIONAL DISORDER/ (PRESCHOOL CHILD or TODDLER/ or exp INFANT) and "ARINUTRITIONAL DISORDER/ (PRESCHOOL CHILD or TODDLER/ or exp INFANT) and "GROWTH DISORDER/ (PRESCHOOL CHILD or TODDLER/ or exp INFANT) and "CREAS or newborns or bebusy or babies or premie? or premie or premies) and ("Weight add) (aloss or lose or losing or rewborns' or heby or babies or premie? or premie or premies) and ("Glowder preachools or todder or infant or neonats or newborns' or baby or babies or premie? or premie or premies) add? ("Glowder preachools or todder or infant or neonats or newborns' or baby or babies or premie? or premie or premies) add? ("Glowder preachools or todder or infant or neonats or newborns' or baby or babies or premie? or premie or premies) add? ("Glowder preachools or todders' or infant or neonats or newborns' or baby or babies or premie? or premie or premies) add? ("Glowder preachools or todders' or infant or neonats or newborns' or baby or babies or premie? or premie or premies) add ("Glowder or newborns' or baby or babies or premie? or premie or premies) add ("Glowder or newborns' or baby or babies or premi	ш	Consider
7 and 12  "WEIGHT REDUCTION"  WEIGHT VARIATION  WEIGHT VARIATION  WASTING SYNDROME!  EMACIATION  WASTING SYNDROME!  EMACIATION  ANAPTING SYNDROME!  EMACIATION  The standard of the standard sta	12	Searches or/8-11
WEIGHT REDUCTION   WEIGHT FLUCTUATION   WEIGHT VARIATION    WEIGHT VARIATION    WASTING SYNDROME    EMAGTINW    WASTING SYNDROME    EMAGTINW    2014-20    37 And 21    Oriti4-20    7 And 21    Oriti4-20    7 And 21    (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "NUTRITIONAL DISORDER/   (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "EATING DISORDER/   (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "EATING DISORDER/   (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "GROWTH DISORDER/   (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "GROWTH DISORDER/   (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "GROWTH DISORDER/   (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "GROWTH DISORDER/   (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "GROWTH DISORDER/   (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "GROWTH DISORDER/   (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "GROWTH DISORDER/   (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "GROWTH DISORDER/   (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "GROWTH DISORDER/   (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "GROWTH DISORDER/   (Child's or preschool's or preschool's or todder's or load or load or or device or device or under weight' or undernweight' or preschool's or preschool's or todder's or infant's or neonats' or newborn's or baby or babies or pre#mie? or premie or premies and "Growth a		
WEIGHT VARIATION WASTING SYNDROME/ EMACIATION WASTING SYNDROME/ EMACIATION ON PRESCHOOL ORDERIA/ ORDERIA/ ORDERIA/ ORDERIA/ ORDERIA/ (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT)) and "NUTRITIONAL DISORDER/ (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "MAINTRITIONAL DISORDER/ (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "MAINTRITIONAL DISORDER/ (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "MAINTRITIONAL DISORDER/ (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "MAINTRITIONAL DISORDER/ (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "MAINTRITIONAL DISORDER/ (Child's or preschools or pre-schools or toddier's or infans' or neonats' or newborn's or baby or babies or pre#mie? or premies and remains or premies and remains or newborn's or baby or babies or pre#mie? or premies and remains or under untrinos' or premies and remains or pre-schools or toddier's or infans' or neonats' or newborn's or baby or babies or pre#mie? or premies and remains or pre-schools or toddier's or infans' or neonats' or newborn's or baby or babies or pre#mie? or premies and remains or pre-schools or toddier's or infans' or neonats' or newborn's or baby or babies or pre#mie? or premie or premies) and? (Slowd's or insufficients) add/2 weight and/2 garis)), a.a.  ((child's or preschools' or pre-schools' or toddier's or infans' or neonats' or newborn's or baby or babies or pre#mie? or premie or premies) and? (grows and) (disorder or deficiens's or posts'), and to retards')), it about the premier or premies and remains and remains or newborn's or baby or babies or pre#mie? or premie or premies) and? (Prejerk'a daj's garis') (disorder or deficiens's or premier or premies) and (Prejerk'a daj's garis') (disorder or deficiens's or premier or premies) and (Prejerk'a daj's garis') (disorder or deficiens's or premier or premies) and to premier or premier or premies) and to premier or premier or premier or prem	-	
WEIGHT FLICTUATION WASTING SYNDROME/ EMACATION  "ANOREXIA"  71 AND ALL		
MASTING SYNDROME/  EMACATION  'ANOREXIA'  'ANOREXIA'  'ANOREXIA'  'ANOREXIA'  'ANOREXIA'  'ANOREXIA'  'ANOREXIA'  'ANOREXIA'  ('PRESCHOOL CHILD' or TODDLER or exp INFANT)) and "NUTRITIONAL DISORDER/  ('PRESCHOOL CHILD' or TODDLER or exp INFANT) and "EATING DISORDER/  ('PRESCHOOL CHILD' or TODDLER or exp INFANT) and "SENOWTH DISORDER/  ('PRESCHOOL CHILD' or TODDLER or exp INFANT) and "SENOWTH DISORDER/  ('PRESCHOOL CHILD' or TODDLER or exp INFANT) and "SENOWTH DISORDER/  ('RESCHOOL CHILD' or TODDLER or exp INFANT) and "SENOWTH DISORDER/  ('Child's or preschools' or preschools' or toddlers' or infant's or neonat's or newborn's or bably or bables or pre#mie? or premie or premies) add' (Weight add)' (loss or loss or losing or reduce) or deficiens))), ii.ab.  ('Child's or preschools' or pre-schools' or toddlers' or infant's or neonat's or endown's or bably or bables or pre#mie? or premie or premies) add' (undernutrition's or under nutrition's or poor nutrition's or undernourish's or under nutrition's or reaching's or preschools or or expective or expective or premies) add' (undernutrition's or undernourish's or preschools' or preschools' or toddlers' or infant's or neonat's or newborn's or bably or bables or pre#mie? or premie or premies) add'; (Slow's or insufficients) add, 2 weight add; garsh'), it.ab.  ('Child's or preschools' or pre-schools' or toddlers' or infant's or neonat's or newborn's or bably or bables or pre#mie? or premie or premies) add, ('Child's or preschools' or pre-schools' or toddlers' or infant's or neonat's or newborn's or bably or bables or pre#mie? or premie or premies) add, ('Child's or preschools' or pre-schools' or toddlers' or infant's or neonat's or newborn's or bably or bables or pre#mie? or premie or premies) add or preschools' or preschools' or toddlers' or infant's or neonat's or newborn's or bably or bables or pre#mie? or premie or premies) add or preschools' or neonat's or neo		
PARCIATION  19 ANOREMA  10 or/14-20  17 and 21  28 (PRESCHOOL CHILD' or TODDLER/ or exp INFANT) and "NUTRITIONAL DISORDER/  29 (PRESCHOOL CHILD' or TODDLER/ or exp INFANT) and "BATING DISORDER/  29 (PRESCHOOL CHILD' or TODDLER/ or exp INFANT) and "SCROWTH DISORDER/  20 (Child's or preschool's or TODDLER/ or exp INFANT) and "SCROWTH DISORDER/  20 (Child's or preschool's or troDDLER/ or exp INFANT) and "SCROWTH DISORDER/  21 (Child's or preschool's or troDDLER/ or exp INFANT) and "SCROWTH DISORDER/  22 (Child's or preschool's or preschool's or toddler's or infans' or neonats' or newborn's or baby or bables or pre#mie? or premier and "Child metrutritions" or under nutrition's or prometive and "Greates" or under nutrition's under nutrition's or under nutrition's under nutrition'		
or 'ANOREXIA' or 'Ard 20 7 and 21 or 'Ard 20 7 and 21 (PRESCHOOL CHILD' or TODDELER' or exp INFANT') and 'NUTRITIONAL DISORDER' (PRESCHOOL CHILD' or TODDELER' or exp INFANT') and 'EATING DISORDER' (PRESCHOOL CHILD' or TODDELER' or exp INFANT') and 'MALNUTRITION' (PRESCHOOL CHILD' or TODDELER' or exp INFANT') and 'GROWTH DISORDER' (Child's or preschools or pre-schools or toddier's or infant's or neonats or newborn's or baby or babies or pre#mie? or premie or premies) adj'? (Weight adj's (loss or lose or losing or reducs' or decreas's or deficiens'))), i.a.b. ((child's or preschools or pre-schools or toddier's or infant's or neonats or newborn's or baby or babies or pre#mie? or premie) adj's (underweight? or underweight? or (levendewight? or (levendewight?) or premie or premies) adj'? ((Shu5x or insufficients) adj'2 ((shu5x or preschools or preschools or toddier's or infants or neonats or newborn's or baby or babies or pre#mie? or premies) adj'2 (grow's adj'1 (grow's adj'1 (disorder or deficiens's or pows's or falis)), it, ab. ((child's or preschools or pre-schools or toddier's or infants or neonats or newborn's or baby or babies or pre#mie? or premie or premies) adj'10 (height?) adj'2 (losor's or deficiens's or prewine's or premies) adj'10 (height?) adj'2 (losor's or deficiens's or premie or premies) adj'10 (height?) adj'2 (losor's or deficiens's or premies) adj'10 (height?) adj'2 (losor's or losor or lo	18	WASTING SYNDROME/
or/14/20 7 and 21 (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "NUTRITIONAL DISORDER/ (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "SALNUTRITIONAL PROBLEM (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "SALNUTRITIONAL PROBLEM (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT) and "SALNUTRITIONAL PROBLEM (Child's or preschools or pre-schools or toddler's or infans or neonats or newborns or baby or babies or prefirmle? or premies) adj? (Weight adj. Solos or lose or losing or reduc's or decreass or deficiens))), it, ab.  ((Child's or preschools or pre-schools or toddler's or infans or neonats or newborns's or baby or babies or prefirmle? or premies) adj. (undernutritions or under nutritions' or undernusith's or under nourish's or nematics or premises adj. ((Child's or preschools' or pre-schools' or indeficient's) adj. weight adj. ((Salnish), it, ab.  30  ((Child's or preschools' or pre-schools' or toddler's or infans' or neonats' or newborns' or baby or babies or prefirmle? or premies adj. ((Indid's or preschools' or pre-schools' or indeficient's or poems, or fails)), it, ab.  31  ((Child's or preschools' or pre-schools' or toddler's or infans' or neonats' or newborns' or baby or babies or prefirmle? or premies adj. (Indid's or preschools' or pre-schools' or premies) adj. (Indid's or preschools' or pre-schools' or pre-schools' or pre-schools' or pre-schools' or pre-schools' or newborns' or baby or babies or pre-strinie? or premies adj. (Indid pre-schools' or newborns' or baby or babies or pre-strinie? or premies adj. (Indid pre-schools' or new	19	EMACIATION/
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premie or premies) adi2 (malnutrition\$ or malnourish\$), it.ab.  ((child\$ or preschool\$ or pre-school\$ or indan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adi7 (height? adi3 (poor\$ or deficien\$ or short\$ or short\$ or short\$ or retard\$)), it., ab.  or/23-32  exp INFANT/ and (HYPERNATREMIA/ or "DEHYDRATION/)  NEONATAL WEIGHT LOSS/  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$), it., ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$), it., ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)), it., ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.8" or "11.8" or "12.8" or "14.8" or "14.8" or "15.8" o		premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))),ti.ab.  ((intids or preschool\$ or pres-chool\$ or todeficien\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))),ti.ab.  ((intids or preschool\$ or pres-chool\$ or todeficien\$ or short\$ or small\$ or retard\$))),ti.ab.  ((intids or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)),ti.ab.  ((intids or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)),ti.ab.  ((intids or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or loss or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))),ti.ab.  ((intids or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "15.\$" or "15.\$" or "18.\$" or "19.\$" or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or		premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.  or/23-32  deep INFANT/ and (HYPERNATREMIA/ or "DEHYDRATION/)  NEONATAL WEIGHT LOSS/  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "15.\$" or "15.\$" or "15.\$" or "15.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)).ti,ab.  or/34-38  or/34-38  13 or 22 or 33 or 39  13 cy 22 or 33 or 39  14 "SEVERITY OF ILLNESS INDEX/  "INTERNATIONAL CLASSIFICATION OF DISEASES/  "CLASSIFICATION/  "STANDARD/  **REFERENCE VALUE/ (reference adj2 (standard? or value? or range?)).ti, (reference adj2 (standard? or value? or range?)).ti, (reference adj2 (standard? or value? or range?)).ti, (growth adj1 (reference? or standard?)),ib.  (growth adj1 (reference? or standard?)),ib.  "Growth daj1 (reference? or standard?)),ib.  "Growth charl?.ti.  Growth charl?.t		premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)  NEONATAL WEIGHT LOSS/  ((infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj10 (hypernatrs or dehyrats)), ti, ab.  ((infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj10 (loarly or postnatals or postpartum or follows birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reducs or decreass or deficiens or physiologs))), ti, ab.  ((infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj10 (*10.5" or *11.5" or *11.5" or *11.5" or *11.5.5" or *11.5.5.5" or *11.5.5" or *11.5.5.5" or *11.5.5" or *11.5.5" or *11.5.5"		premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
NEONATAL WEIGHT LOSS/ ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrats).it,jab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (learly or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)).it,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or or lock or lock or or lo		
((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)), it, ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "15.\$" or "15.\$" or "15.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  39  or/34-38  40     13 or 22 or 33 or 39  41     *SEVERITY OF ILLNESS INDEX/ 42     *INTERNATIONAL CLASSIFICATION OF DISEASES/ 43     *CLASSIFICATION/ 44     *STANDARD/ 45     *REFERENCE VALUE/ 46     (reference adj2 (standard? or value? or range?)).ti. 47     (reference adj2 (standard? or value? or range?)).ab. /freq=2 48     (growth adj1 (reference? or standard?)).ti. 49     (growth adj1 (reference? or standard?)).ti. 40     (growth adj1 (score? or value? or point?)).ti,ab. 51     (threshold? adj3 value?).ti,ab. 52     *GROWTH CURVE/ 53     Growth chart?.ab. /freq=2 54     (low adj1 (weight? or BMI?) adj2 (legth?) or height?)).ti,ab. 55     (low adj1 (weight? or BMI?) adj2 (legth?) or height?)).ti,ab. 66     ((weight? or underweight or BMI?) adj5 (("0.5" or "1.5" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab. 67     ((decins or downs or falls) adj5 (percentile?) or centile?)).ti,ab. 68     ((decins or downs or falls) adj5 (percentile?) or centile?)).ti,ab. 69     ((decins or downs or falls) adj5 (percentile?) or centile?)).ti,ab. 60     ((decins or downs or falls) adj5 (percentile?) or centile?)).ti,ab. 61     ((condition\$ adj5 weight gain).ti,ab. 62     ((Armil\$ or parent\$ or weight? or BMI?) or height?).ti,ab. 63     ((Armil\$ or parent\$ or weight? or BMI?) adj5 (or centile?)).ti,ab. 64     ((Armil\$ or parent\$ or		
dehyrat\$).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  39  or/34-38  40     13 or 22 or 33 or 39  41     *SEVERITY OF ILLNESS INDEX/ 42     *INTERNATIONAL CLASSIFICATION OF DISEASES/ 43     *CLASSIFICATION/ 44     *STANDARD/ 45     *REFERENCE VALUE/ 46     (reference adj2 (standard? or value? or range?)).ti. 47     (reference adj2 (standard? or value? or range?)).ab. //req=2 48     (growth adj1 (reference? or standard?)).ti. 49     (growth adj1 (reference? or standard?)).ab. //req=2 50     (cut off adj1 (score? or value? or range?)).ab. //req=2 51     (threshold? adj3 value?).ti,ab. 52     *GROWTH CURVE/ 53     Growth chart?.ab. //req=2 54     (low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab. 55     (underweight? adj2 (age or length? or height?)).ti,ab. 66     (weight? or underweight or BMI?) adj2 (length? or height?)).ti,ab. 67     ((weight? or underweight or BMI?) adj3 ((?no or econd or 1st or first) adj3 (percentile? or centile?))).ti,ab. 68     ((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab. 69     ((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab. 60     ((declin\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or beight?).ti,ab. 60     ((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or beight?)).ti,ab. 61     (or AllLURE TO THRIVE/ and (grad\$ or severit\$ or		
postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  39		dehyrat\$)).ti,ab.
"12.\$" or "13.\$" or "14.\$" or "16.\$" or "16.\$" or "17.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/34-38  do 13 or 22 or 33 or 39  1 "SEVERITY OF ILLNESS INDEX/  1 "INTERNATIONAL CLASSIFICATION OF DISEASES/  **CLASSIFICATION/  **STANDARD/  4 "STANDARD/  4 (reference adj2 (standard? or value? or range?)).ti.  (reference adj2 (standard? or value? or range?)).ab. //freq=2  (growth adj1 (reference? or standard?)).ab. //freq=2  (cut off adj1 (score? or value? or point?)).ti,ab.  (threshold? adj3 value?).ti,ab.  **GROWTH CURVE/  Growth chart?.ti.  Growth chart?.ti.  Growth chart?.ti.  Growth chart? adj2 (age or length?) adj2 age?).ti,ab.  (low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab.  ((weight? or underweight or BMI?) adj0 (("O.\$" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab.  ((weight? or underweight or BMI?) adj5 (("O.\$" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab.  ((weight? or underweight or BMI?) adj5 (("O.\$" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab.  ((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.  ((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunts) adj5 (length? or height?)).ti,ab.  ((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunts) adj5 (length? or weight? or beligh?)).ti,ab.  ((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunts) adj5 (length? or weight? or beligh?)).ti,ab.  6 or/41-63  6 *FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.	37	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$
or/34-38  13 or 22 or 33 or 39  14  *SEVERITY OF ILLNESS INDEX/  25  *INTERNATIONAL CLASSIFICATION OF DISEASES/  26  *CLASSIFICATION/  27  *CLASSIFICATION/  28  *CLASSIFICATION/  29  *REFERENCE VALUE/  20  *(reference adj2 (standard? or value? or range?)).ti.  20  *(reference adj2 (standard? or value? or range?)).ab. /freq=2  20  *(growth adj1 (reference? or standard?)).ti.  21  *(threshold? adj3 value?).ti,ab.  22  *GROWTH CURVE/  23  *Growth chart?.ti.  24  *Growth chart?.ab. /freq=2  25  *(low adj1 (weight? or BMI?) adj2 (age?).ti,ab.  26  *(low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab.  27  *(underweight? adj2 (age or length? or height?)).ti,ab.  28  **((weight? or underweight or BMI?) adj5 (("0.%" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab.  29  **((weight? or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.  20  **((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.  20  **(Condition\$ adj5 weight gain).ti,ab.  21  **(Condition\$ adj5 weight gain).ti,ab.  22  **(CWG.ti,ab.)  23  **(**FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.	38	"12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss
40 13 or 22 or 33 or 39 41 "SEVERITY OF ILINESS INDEX/ 42 "INTERNATIONAL CLASSIFICATION OF DISEASES/ 43 "CLASSIFICATION/ 44 "STANDARD/ 45 "REFERNCE VALUE/ 46 (reference adj2 (standard? or value? or range?)).ti. 47 (reference adj2 (standard? or value? or range?)).ab. /freq=2 48 (growth adj1 (reference? or standard?)).ti. 49 (growth adj1 (reference? or standard?)).ab. /freq=2 50 (cut off adj1 (score? or value? or point?)).ti,ab. 51 (threshold? adj3 value?).ti,ab. 52 "GROWTH CURVE/ 53 Growth chart?.ti. 54 Growth chart?.ab. /freq=2 55 (low adj1 (weight? or BMI? or height?) adj2 age?).ti,ab. 56 (low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab. 57 (underweight? adj2 (age or length? or height?)).ti,ab. 58 ((weight? or underweight or BMI?) adj5 (("0.5" or "1.5" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab. 60 ((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab. 61 (condition\$ adj5 weight gain).ti,ab. 62 CWG.ti,ab. 63 (ffamil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab. 64 or/41-63 65 "FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti. 66 "FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.	39	
*INTERNATIONAL CLASSIFICATION OF DISEASES/  *CLASSIFICATION/  *STANDARD/  *REFERNCE VALUE/ (reference adj2 (standard? or value? or range?)).ti.  (reference adj2 (standard? or value? or range?)).ab. /freq=2  (growth adj1 (reference? or standard?)).ab. /freq=2  (growth adj1 (reference? or standard?)).ab. /freq=2  (cut off adj1 (score? or value? or point?)).ti,ab.  (threshold? adj3 value?).ti,ab.  (threshold? adj3 value?).ti,ab.  Growth chart?.ti.  Growth chart?.ti.  (low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab.  ((low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab.  ((weight? or underweight or BMI?) adj10 ((2nd or second or 1st or first) adj3 (percentile? or centile?))).ti,ab.  ((weight? or underweight or BMI?) adj5 (("0.5" or "1.5" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab.  ((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.  ((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.  ((mill\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI?) or height?)).ti,ab.  (Hamils or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.  FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.		
*CLASSIFICATION/  *STANDARD/  *REFERNCE VALUE/  (reference adj2 (standard? or value? or range?)).ti.  (reference adj2 (standard? or value? or range?)).ab. /freq=2  (growth adj1 (reference? or standard?)).ti.  (growth adj1 (reference? or standard?)).ab. /freq=2  (cut off adj1 (score? or value? or point?)).ti,ab.  (threshold? adj3 value?).ti,ab.  (threshold? adj3 value?).ti,ab.  Growth chart?.ti.  Growth chart?.ab. /freq=2  (low adj1 (weight? or BMI? or height?) adj2 age?).ti,ab.  (low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab.  ((weight? or underweight or BMI?) adj10 ((2nd or second or 1st or first) adj3 (percentile? or centile?))).ti,ab.  ((weight? or underweight or BMI?) adj5 (("0.\$" or "1.\$" or "2.0") adj3 (percentile? or centile?))).ti,ab.  ((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.  (Condition\$ adj5 weight gain).ti,ab.  (CWG.ti,ab.  ((mill\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.  64 or/41-63  55 "FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.  66 "FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.	41	*SEVERITY OF ILLNESS INDEX/
*STANDARD/ *REFERENCE VALUE/ (reference adj2 (standard? or value? or range?)).ti. (reference adj2 (standard? or value? or range?)).ab. /freq=2 (growth adj1 (reference? or standard?)).ab. /freq=2 (growth adj1 (reference? or standard?)).ab. /freq=2 (cut off adj1 (score? or value? or point?)).ti,ab. (threshold? adj3 value?).ti,ab.  *GROWTH CURVE/ Growth chart?.ti. Growth chart?.ab. /freq=2 (low adj1 (weight? or BMI?) adj2 (length?) adj2 age?).ti,ab. (low adj1 (weight? or BMI?) adj2 (length?)).ti,ab. (underweight? adj2 (age or length? or height?)).ti,ab. ((weight? or underweight or BMI?) adj3 (("0.\$" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab. ((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab. ((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab. ((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.  Kland or/41-63  *FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.  *FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.	42	*INTERNATIONAL CLASSIFICATION OF DISEASES/
*REFERENCE VALUE/ (reference adj2 (standard? or value? or range?)).ti. (reference adj2 (standard? or value? or range?)).ab. /freq=2 (growth adj1 (reference? or standard?)).ti. (growth adj1 (reference? or standard?)).ab. /freq=2 (cut off adj1 (score? or value? or point?)).ti,ab. (threshold? adj3 value?).ti,ab.  *GROWTH CURVE/ Growth chart?.ti. Growth chart?.ab. /freq=2 (low adj1 (weight? or BMI? or height?) adj2 age?).ti,ab. (low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab. ((weight? or underweight or BMI?) adj1 (2nd or second or 1st or first) adj3 (percentile? or centile?))).ti,ab. ((weight? or underweight or BMI?) adj5 (("0.\$" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab. ((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab. ((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab. ((flamil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.  *FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.  *FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.	43	*CLASSIFICATION/
(reference adj2 (standard? or value? or range?)).ti. (reference adj2 (standard? or value? or range?)).ab. /freq=2 (growth adj1 (reference? or standard?)).ti. (growth adj1 (reference? or standard?)).ab. /freq=2 (cut off adj1 (score? or value? or point?)).ti,ab. (threshold? adj3 value?).ti,ab.  threshold? adj3 value?).ti,ab.  regrowth chart?.ti. Growth chart?.ti. (growth chart?.ti. (low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab. (low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab. ((weight? or underweight or BMI?) adj10 ((2nd or second or 1st or first) adj3 (percentile? or centile?))).ti,ab. ((weight? or underweight or BMI?) adj5 (("0.\$" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab. ((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab. (condition\$ adj5 weight gain).ti,ab. ((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.  ("famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.  *FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.		
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<ul> <li>(growth adj1 (reference? or standard?)).ab. /freq=2</li> <li>(cut off adj1 (score? or value? or point?)).ti,ab.</li> <li>(threshold? adj3 value?).ti,ab.</li> <li>*GROWTH CURVE/</li> <li>Growth chart?.ti.</li> <li>Growth chart?.ab. /freq=2</li> <li>(low adj1 (weight? or BMI? or height?) adj2 age?).ti,ab.</li> <li>(low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab.</li> <li>(underweight? adj2 (age or length? or height?)).ti,ab.</li> <li>((weight? or underweight or BMI?) adj10 ((2nd or second or 1st or first) adj3 (percentile? or centile?))).ti,ab.</li> <li>((weight? or underweight or BMI?) adj5 (("0.\$" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab.</li> <li>((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.</li> <li>(condition\$ adj5 weight gain).ti,ab.</li> <li>CWG.ti,ab.</li> <li>((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.</li> <li>or/41-63</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or</li> </ul>		
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threshold? adj3 value?).ti,ab.  *GROWTH CURVE/  Growth chart?.ti.  Growth chart?.ab. /freq=2  (low adj1 (weight? or BMI? or height?) adj2 age?).ti,ab.  (low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab.  (underweight? adj2 (age or length? or height?)).ti,ab.  ((weight? or underweight or BMI?) adj10 ((2nd or second or 1st or first) adj3 (percentile? or centile?))).ti,ab.  ((weight? or underweight or BMI?) adj5 (("0.\$" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab.  ((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.  ((condition\$ adj5 weight gain).ti,ab.  CWG.ti,ab.  ((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.  or/41-63  *FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.  *FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.		
<ul> <li>*GROWTH CURVE/</li> <li>Growth chart?.ti.</li> <li>Growth chart?.ab. /freq=2</li> <li>(low adj1 (weight? or BMI? or height?) adj2 age?).ti,ab.</li> <li>(low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab.</li> <li>(underweight? adj2 (age or length? or height?)).ti,ab.</li> <li>((weight? or underweight or BMI?) adj10 ((2nd or second or 1st or first) adj3 (percentile? or centile?))).ti,ab.</li> <li>((weight? or underweight or BMI?) adj5 (("0.\$" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab.</li> <li>((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.</li> <li>(condition\$ adj5 weight gain).ti,ab.</li> <li>CWG.ti,ab.</li> <li>((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.</li> <li>or/41-63</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or</li> </ul>		
Growth chart?.ti. Growth chart?.ab. /freq=2  (low adj1 (weight? or BMI? or height?) adj2 age?).ti,ab. (low adj1 (weight? or BMI?) adj2 (length? or height?)).ti,ab.  (underweight? adj2 (age or length? or height?)).ti,ab.  ((weight? or underweight or BMI?) adj10 ((2nd or second or 1st or first) adj3 (percentile? or centile?))).ti,ab.  ((weight? or underweight or BMI?) adj5 (("0.\$" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab.  ((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.  ((condition\$ adj5 weight gain).ti,ab.  CWG.ti,ab.  ((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or height?)).ti,ab.  or/41-63  *FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.  *FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or		, , ,
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<ul> <li>(underweight? adj2 (age or length? or height?)).ti,ab.</li> <li>((weight? or underweight or BMI?) adj10 ((2nd or second or 1st or first) adj3 (percentile? or centile?))).ti,ab.</li> <li>((weight? or underweight or BMI?) adj5 (("0.\$" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab.</li> <li>((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.</li> <li>((condition\$ adj5 weight gain).ti,ab.</li> <li>CWG.ti,ab.</li> <li>((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.</li> <li>or/41-63</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or</li> </ul>		
<ul> <li>((weight? or underweight or BMI?) adj5 (("0.\$" or "1.\$" or "2" or "2.0") adj3 (percentile? or centile?))).ti,ab.</li> <li>((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.</li> <li>(condition\$ adj5 weight gain).ti,ab.</li> <li>CWG.ti,ab.</li> <li>((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.</li> <li>or/41-63</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or</li> </ul>		
<ul> <li>((declin\$ or down\$ or fall\$) adj5 (percentile? or centile?)).ti,ab.</li> <li>(condition\$ adj5 weight gain).ti,ab.</li> <li>CWG.ti,ab.</li> <li>((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.</li> <li>or/41-63</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or</li> </ul>		
<ul> <li>(condition\$ adj5 weight gain).ti,ab.</li> <li>CWG.ti,ab.</li> <li>((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.</li> <li>or/41-63</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or</li> </ul>		
<ul> <li>CWG.ti,ab.</li> <li>((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.</li> <li>or/41-63</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or</li> </ul>		
<ul> <li>((famil\$ or parent\$ or mother? or father? or grandparent?) adj5 (discrepen\$ or pattern\$ or low or underweight? or stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.</li> <li>or/41-63</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or</li> </ul>		
stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.  or/41-63  *FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.  *FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or		
<ul> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ti.</li> <li>*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or</li> </ul>		stunt\$) adj5 (length? or weight? or BMI? or height?)).ti,ab.
diagnos\$).ti.  66 *FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or		
	65	
U : 1/ · · · · · · · · · · · · · · · · · ·	66	*FAILURE TO THRIVE/ and (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$).ab. /freq=2

#	Searches
67	((fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ti.
68	((fails or falters) adj3 (thrivs or weight or grows) adj5 (grads or severits or classifs or indexs or indices or threshold? or defins or criteris or diagnoss)).ab. /freq=2
69	((grow\$ or weight? or height? or length?) adj1 (disorder? or deficien\$ or poor) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ti.
70	((grow\$ or weight? or height? or length?) adj1 (disorder? or deficien\$ or poor) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ab. /freq=2
71	(weight? adj1 (low or under\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ti.
72	(weight? adj1 (low or under\$) adj5 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ab. /freq=2
73	((malnutrition\$ or underweight? or under weight? or wasting or stunting or stunted) adj2 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ti.
74	((malnutrition\$ or underweight? or under weight? or wasting or stunting or stunted) adj2 (grad\$ or severit\$ or classif\$ or index\$ or indices or threshold? or defin\$ or criteri\$ or diagnos\$)).ab. /freq=2
75	or/65-74
76	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
77	*FAILURE TO THRIVE/di [Diagnosis]
78	*MALNUTRITION/di [Diagnosis]
79	or/77-78
80	40 and 64
81	7 and 75
82	40 and 76
83	7 and 79
84	or/80-83
85	limit 84 to english language
86	letter.pt. or LETTER/
87	note.pt.
88	editorial.pt.
89	CASE REPORT/ or CASE STUDY/
90	(letter or comment*).ti.
91	or/86-90
92	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
93	91 not 92
94	ANIMAL/ not HUMAN/
95	NONHUMAN/
96	exp ANIMAL EXPERIMENT/
97	exp EXPERIMENTAL ANIMAL/
98	ANIMAL MODEL/
99	exp RODENT/
100	(rat or rats or mouse or mice).ti.
101	or/93-100
102	85 not 101

# 2 E.3 Weight loss associated with adverse outcomes

## 3 E.3.1 Medline and Medline In-Process & Other Non-Indexed Citations

#	Searches
1	INFANT, NEWBORN/
2	(neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
3	1 or 2
4	WEIGHT LOSS/
5	3 and 4
6	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab.
7	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (under weight? or underweight?)).ti,ab.
8	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
9	INFANT, NEWBORN/ and (HYPERNATREMIA/ or *DEHYDRATION/)
10	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.
11	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti.ab.

#	Searches
12	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or
	"14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or
	reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
13	or/5-12
14	*SEVERITY OF ILLNESS INDEX/
15	INTERNATIONAL CLASSIFICATION OF DISEASES/
16	CLASSIFICATION/
17	REFERENCE STANDARDS/
18	*REFERENCE VALUES/
19	GROWTH CHARTS/
20	TIME FACTORS/
21	(grad\$ or severit\$ or classif\$ or index\$ or indices or degree? or percent\$ or centile? or threshold? or defin\$ or criteri\$ or diagnos\$).ti,ab.
22	(reference adj2 (standard? or value? or range?)).ti,ab.
23	(growth adj1 (reference? or standard?)).ti,ab.
24	(cut off adj1 (score? or value? or point?)).ti,ab.
25	Growth chart\$.ti,ab.
26	nomogram?.ti,ab.
27	timing?.ti,ab.
28	concern\$.ti,ab.
29	adverse outcome?.ti,ab.
30	or/14-29
31	FAILURE TO THRIVE/cl [Classification]
32	*FAILURE TO THRIVE/di [Diagnosis]
33	or/31-32
34	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
35	WEIGHT LOSS/
36	(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.
37	or/35-36
38	13 and 30
39	3 and 33
40	34 and 37
41	or/38-40
42	limit 41 to english language
43	LETTER/
44	EDITORIAL/
45	NEWS/
46	exp HISTORICAL ARTICLE/
47 48	ANECDOTES AS TOPIC/ COMMENT/
48	CASE REPORT/
50	(letter or comment*).ti.
51	or/43-50
52	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
53	51 not 52
54	ANIMALS/ not HUMANS/
55	exp ANIMALS, LABORATORY/
56	exp ANIMAL EXPERIMENTATION/
57	exp MODELS, ANIMAL/
58	exp RODENTIA/
59	(rat or rats or mouse or mice).ti.
60	or/53-59
61	42 not 60

E.3.2 Cochrane Central Register of Controlled Trials (CCTR)

	` ,
#	Searches
1	INFANT, NEWBORN/
2	(neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.
3	1 or 2
4	WEIGHT LOSS/
5	3 and 4
6	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab.
7	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 underweight?).ti,ab.
8	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.

#	Searches
9	INFANT, NEWBORN/ and (HYPERNATREMIA/ or *DEHYDRATION/)
10	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.
11	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
12	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
13	or/5-12
14	*SEVERITY OF ILLNESS INDEX/
15	INTERNATIONAL CLASSIFICATION OF DISEASES/
16	CLASSIFICATION/
17	REFERENCE STANDARDS/
18	*REFERENCE VALUES/
19	GROWTH CHARTS/
20	TIME FACTORS/
21	(grad\$ or severit\$ or classif\$ or index\$ or indices or degree? or percent\$ or centile? or threshold? or defin\$ or criteri\$ or diagnos\$).ti,ab,kw.
22	(reference adj2 (standard? or value? or range?)).ti,ab.
23	(growth adj1 (reference? or standard?)).ti,ab.
24	(cut off adj1 (score? or value? or point?)).ti,ab.
25	Growth chart\$.ti,ab,kw.
26	nomogram?.ti,ab,kw.
27	timing?.ti,ab,kw.
28	concern\$.ti,ab,kw.
29	adverse outcome?.ti,ab,kw.
30	or/14-29
31	FAILURE TO THRIVE/cl [Classification]
32	*FAILURE TO THRIVE/di [Diagnosis]
33	or/31-32
34	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
35	WEIGHT LOSS/
36	(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.
37	or/35-36
38	13 and 30
39	3 and 33
40	34 and 37
41	or/38-40

#### 2 E.3.3 Cochrane Database of Systematic Reviews (CDSR)

INFANT, NEWBORN.kw.  (neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.  1 or 2  WEIGHT LOSS.kw.  3 and 4  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (under weight? or underweight?)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  3 or/5-12  SEVERITY OF ILLNESS INDEX.kw.  INTERNATIONAL CLASSIFICATION OF DISEASES.kw.  CLASSIFICATION.kw.  REFERENCE STANDARDS.kw.  REFERENCE STANDARDS.kw.		Traile Batabase of Oystematic Neviews (OBON)
<ul> <li>(neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.</li> <li>1 or 2</li> <li>WEIGHT LOSS.kw.</li> <li>3 and 4</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (under weight? or underweight?)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.</li> <li>((InSANT, NEWBORN and (HYPERNATREMIA or DEHYDRATION)).kw.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>SEVERITY OF ILLNESS INDEX.kw.</li> <li>INTERNATIONAL CLASSIFICATION OF DISEASES.kw.</li> <li>CLASSIFICATION.kw.</li> <li>REFERENCE STANDARDS.kw.</li> </ul>	#	Searches
<ul> <li>1 or 2</li> <li>WEIGHT LOSS.kw.</li> <li>3 and 4</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (under weight? or underweight?)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.</li> <li>((INFANT, NEWBORN and (HYPERNATREMIA or DEHYDRATION)).kw.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>SEVERITY OF ILLNESS INDEX.kw.</li> <li>INTERNATIONAL CLASSIFICATION OF DISEASES.kw.</li> <li>REFERENCE STANDARDS.kw.</li> </ul>	1	INFANT, NEWBORN.kw.
WEIGHT LOSS.kw.  3 and 4  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (under weight? or underweight?)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  3 or/5-12  4 SEVERITY OF ILLNESS INDEX.kw.  15 INTERNATIONAL CLASSIFICATION OF DISEASES.kw.  16 CLASSIFICATION.kw.	2	(neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
<ul> <li>3 and 4</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (under weight? or underweight?).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/5-12</li> <li>SEVERITY OF ILLNESS INDEX.kw.</li> <li>INTERNATIONAL CLASSIFICATION OF DISEASES.kw.</li> <li>CLASSIFICATION.kw.</li> <li>REFERENCE STANDARDS.kw.</li> </ul>	3	1 or 2
<ul> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (under weight? or underweight?)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.</li> <li>((Ineonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/5-12</li> <li>SEVERITY OF ILLNESS INDEX.kw.</li> <li>INTERNATIONAL CLASSIFICATION OF DISEASES.kw.</li> <li>CLASSIFICATION.kw.</li> <li>REFERENCE STANDARDS.kw.</li> </ul>	4	WEIGHT LOSS.kw.
reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (under weight? or underweight?)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  3 or/5-12  4 SEVERITY OF ILLNESS INDEX.kw.  INTERNATIONAL CLASSIFICATION OF DISEASES.kw.  CLASSIFICATION.kw.  7 REFERENCE STANDARDS.kw.	5	3 and 4
underweight?)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.  ((INFANT, NEWBORN and (HYPERNATREMIA or DEHYDRATION)).kw.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/5-12  SEVERITY OF ILLNESS INDEX.kw.  INTERNATIONAL CLASSIFICATION OF DISEASES.kw.  CLASSIFICATION.kw.  REFERENCE STANDARDS.kw.	6	
<ul> <li>adj2 gain\$)).ti,ab.</li> <li>(INFANT, NEWBORN and (HYPERNATREMIA or DEHYDRATION)).kw.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/5-12</li> <li>SEVERITY OF ILLNESS INDEX.kw.</li> <li>INTERNATIONAL CLASSIFICATION OF DISEASES.kw.</li> <li>CLASSIFICATION.kw.</li> <li>REFERENCE STANDARDS.kw.</li> </ul>	7	
<ul> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/5-12</li> <li>SEVERITY OF ILLNESS INDEX.kw.</li> <li>INTERNATIONAL CLASSIFICATION OF DISEASES.kw.</li> <li>CLASSIFICATION.kw.</li> <li>REFERENCE STANDARDS.kw.</li> </ul>	8	
<ul> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/5-12</li> <li>SEVERITY OF ILLNESS INDEX.kw.</li> <li>INTERNATIONAL CLASSIFICATION OF DISEASES.kw.</li> <li>CLASSIFICATION.kw.</li> <li>REFERENCE STANDARDS.kw.</li> </ul>	9	(INFANT, NEWBORN and (HYPERNATREMIA or DEHYDRATION)).kw.
<ul> <li>follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/5-12</li> <li>SEVERITY OF ILLNESS INDEX.kw.</li> <li>INTERNATIONAL CLASSIFICATION OF DISEASES.kw.</li> <li>CLASSIFICATION.kw.</li> <li>REFERENCE STANDARDS.kw.</li> </ul>	10	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.
<ul> <li>"14.\$" or "15.\$" or "16.\$" or "17.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/5-12</li> <li>SEVERITY OF ILLNESS INDEX.kw.</li> <li>INTERNATIONAL CLASSIFICATION OF DISEASES.kw.</li> <li>CLASSIFICATION.kw.</li> <li>REFERENCE STANDARDS.kw.</li> </ul>	11	follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
14 SEVERITY OF ILLNESS INDEX.kw. 15 INTERNATIONAL CLASSIFICATION OF DISEASES.kw. 16 CLASSIFICATION.kw. 17 REFERENCE STANDARDS.kw.	12	"14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or
<ul> <li>15 INTERNATIONAL CLASSIFICATION OF DISEASES.kw.</li> <li>16 CLASSIFICATION.kw.</li> <li>17 REFERENCE STANDARDS.kw.</li> </ul>	13	or/5-12
16 CLASSIFICATION.kw. 17 REFERENCE STANDARDS.kw.	14	SEVERITY OF ILLNESS INDEX.kw.
17 REFERENCE STANDARDS.kw.	15	INTERNATIONAL CLASSIFICATION OF DISEASES.kw.
	16	CLASSIFICATION.kw.
18 REFERENCE VALUES.kw.	17	REFERENCE STANDARDS.kw.
	18	REFERENCE VALUES.kw.

#	Searches
19	GROWTH CHARTS.kw.
20	TIME FACTORS.kw.
21	(grad\$ or severit\$ or classif\$ or index\$ or indices or degree? or percent\$ or centile? or threshold? or defin\$ or criteri\$ or diagnos\$).ti.
22	(reference adj2 (standard? or value? or range?)).ti,ab.
23	(growth adj1 (reference? or standard?)).ti,ab.
24	(cut off adj1 (score? or value? or point?)).ti,ab.
25	Growth chart\$.ti,ab.
26	nomogram?.ti,ab.
27	timing?.ti,ab.
28	concern\$.ti,ab.
29	adverse outcome?.ti,ab.
30	or/14-29
31	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
32	WEIGHT LOSS.kw.
33	(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.
34	or/32-33
35	13 and 30
36	31 and 34
37	or/35-36

## 2 E.3.4 Database of Abstracts of Reviews of Effects (DARE)

#	Searches
1	INFANT, NEWBORN.kw.
2	(neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw,tx.
3	1 or 2
4	WEIGHT LOSS.kw.
5	3 and 4
6	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).tw,tx.
7	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (under weight? or underweight?)).tw,tx.
8	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw,tx.
9	(INFANT, NEWBORN and (HYPERNATREMIA or DEHYDRATION)).kw.
10	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).tw,tx.
11	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
12	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
13	or/5-12
14	SEVERITY OF ILLNESS INDEX.kw.
15	INTERNATIONAL CLASSIFICATION OF DISEASES.kw.
16	CLASSIFICATION.kw.
17	REFERENCE STANDARDS.kw.
18	REFERENCE VALUES.kw.
19	GROWTH CHARTS.kw.
20	TIME FACTORS.kw.
21	(grad\$ or severit\$ or classif\$ or index\$ or indices or degree? or percent\$ or centile? or threshold? or defin\$ or criteri\$ or diagnos\$).ti.
22	(reference adj2 (standard? or value? or range?)).tw,tx.
23	(growth adj1 (reference? or standard?)).tw,tx.
24	(cut off adj1 (score? or value? or point?)).tw,tx.
25	Growth chart\$.tw,tx.
26	nomogram?.tw,tx.
27	timing?.tw,tx.
28	concern\$.tw,tx.
29	adverse outcome?.tw,tx.
30	or/14-29
31	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.
32	WEIGHT LOSS.kw.
33	(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).tw,tx.

#	Searches
34	or/32-33
35	13 and 30
36	31 and 34
37	or/35-36

1

## 2 E.3.5 Health Technology Assessment (HTA)

	ith Technology Assessment (HTA)
#	Searches
1	INFANT, NEWBORN/
2	(neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
3	1 or 2
4	WEIGHT LOSS/
5	3 and 4
6	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$))).tw.
7	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (under weight? or underweight?)).tw.
8	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
9	INFANT, NEWBORN/ and (HYPERNATREMIA/ or *DEHYDRATION/)
10	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).tw.
11	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw. ((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or
12	"14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
13	or/5-12
14	*SEVERITY OF ILLNESS INDEX/
15	INTERNATIONAL CLASSIFICATION OF DISEASES/
16	CLASSIFICATION/
17	REFERENCE STANDARDS/
18	*REFERENCE VALUES/
19	GROWTH CHARTS/
20	TIME FACTORS/
21	(grad\$ or severit\$ or classif\$ or index\$ or indices or degree? or percent\$ or centile? or threshold? or defin\$ or criteri\$ or diagnos\$).tw.
22	(reference adj2 (standard? or value? or range?)).tw.
23	(growth adj1 (reference? or standard?)).tw.
24	(cut off adj1 (score? or value? or point?)).tw.
25	Growth chart\$.tw.
26	nomogram?.tw.
27	timing?.tw.
28	concern\$.tw.
29	adverse outcome?.tw.
30	or/14-29
31	FAILURE TO THRIVE/cl [Classification]
32	*FAILURE TO THRIVE/di [Diagnosis]
33	or/31-32
34	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw.
35	WEIGHT LOSS/
36	(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).tw.
37	or/35-36
38	13 and 30
39	3 and 33
40	34 and 37
41	or/38-40

3

## E.3.6 Embase

#	Searches	
1	NEWBORN/ or BABY/	
2	(neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.	
3	1 or 2	
4	*WEIGHT REDUCTION/	
5	3 and 4	
6	NEONATAL WEIGHT LOSS/	

#	Searches
7	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or
	reduc\$ or decreas\$ or deficien\$ or falter\$))).ti,ab.
8	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (under weight? or
	underweight?)).ti,ab.
9	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight
	adj2 gain\$)).ti,ab.
10	(NEWBORN/ or BABY/) and (HYPERNATREMIA/ or *DEHYDRATION/)
11	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (hypernatr\$ or dehyrat\$)).ti,ab.
12	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (early or postnatal\$ or postpartum or
	follow\$ birth?) adj7 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
40	physiolog\$))).ti,ab.
13	((neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.6" or "47.6"
	"14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj7 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
14	or/5-13
15	*SEVERITY OF ILLNESS INDEX/
16	*INTERNATIONAL CLASSIFICATION OF DISEASES/
17	*CLASSIFICATION/
18	*STANDARD/
19	*REFERENCE VALUE/
20	*GROWTH CURVE/
21	*TIME FACTOR/
22	(grad\$ or severit\$ or classif\$ or index\$ or indices or degree? or percent\$ or centile? or threshold? or defin\$ or criteri\$
22	or diagnos\$).ti,ab.
23	(reference adj2 (standard? or value? or range?)).ti,ab.
24	(growth adj1 (reference? or standard?)).ti,ab.
25	(cut off adi1 (score? or value? or point?)).ti,ab.
26	Growth chart\$.ti.ab.
27	nomogram?.ti,ab.
28	timing?.ti,ab.
29	concern\$.ti,ab.
30	adverse outcome?.ti,ab.
31	or/15-30
32	*FAILURE TO THRIVE/di [Diagnosis]
33	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead
	Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in
	Bradford" or "UK 1990 Growth Reference").ti,ab.
34	WEIGHT REDUCTION/
35	(Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or falter\$)).ti,ab.
36	or/34-35
37	14 and 31
38	3 and 32
39	33 and 36
40	or/37-39
41	limit 40 to english language
42	letter.pt. or LETTER/
43	note.pt.
44	editorial.pt.
45	CASE REPORT/ or CASE STUDY/
46	(letter or comment*).ti.
47	or/42-46
48	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
49	47 not 48
50	ANIMAL/ not HUMAN/
51	NONHUMAN/
52	exp ANIMAL EXPERIMENT/
53	exp EXPERIMENTAL ANIMAL/
54	ANIMAL MODEL/
55	exp RODENT/
E.C.	(rat or rats or mouse or mice) ti.
56	
57	or/49-56

# 1 E.4 Differences in feeding and eating

#### 2 E.4.1 Medline and Medline In-Process & Other Non-Indexed Citations

META-ANALYSIS A TOPIC/  META-ANALYSIS A TOPIC/  META-ANALYSIS A TOPIC/  META-ANALYSIS AS TOPIC/  META-ANALYSIS AS TOPIC/  META-ANALYSIS AS TOPIC/  Meta-analy Condentions of Mack (eview' or overview'), it ab.  (reference ist' or bibliograph' or hand search' or manual search' or relevant journals), ab.  (reference ist' or bibliograph' or hand search' or manual search' or relevant journals), ab.  (search' adj-il ilerature), ab.  (medien or pubmed or ocothrane or embase or psychili or psychili or psychinfo or psycinfo or cinahl or science citation index or bids or canceriti), ab.  (cochare), and cochare or embase or psychili or psychili or psychinfo or psychinfo or cinahl or science citation index or bids or canceriti), ab.  (cochare), and cochare or embase or psychili or psychil	<u>"</u>	Carrelan
META-ANALYSI AS TOPIC/  (meta analy or metaanaly)*, 11, ab.  ((systematic* or evidence*) adig* (review* or oveniew*))ti.ab.  ((systematic* or evidence*) adig* (review* or oveniew*))ti.ab.  ((search strategy or search criteria or systematic search or manual search* or relevant journals).ab.  ((search strategy or search criteria or systematic search or study selection or data extraction).ab.  ((search strategy or search criteria or systematic search or study selection or data extraction).ab.  ((medline or pubmed or cochrane or embase or psychilit or psyclit or psychinfo or psycindo or cinahl or science citation index or bids or cancertil).ab.  cochrane.jw.  COHORT STUDIES/  COHORT STUDIES/  COHORT STUDIES/  (Follow* up ad)* (study or studies)),ti.ab.  LONGTUDINAL STUDIES/  (Follow* up ad)* (study or studies)),ti.ab.  LONGTUDINAL STUDIES/  (Follow* up ad)* (study or studies),ti.ab.  ENDISOR STUDIES/  RETROSPECTIVE STUDIES/  (Follow* up ad)* (study or studies),ti.ab.  CASE CONTROL STUDIES/  case controls it.ab.  ONTROL GROUPS/  CASE CONTROL STUDIES/  CONTROL GROUPS/  CONTROL GROUPS/  CONTROL GROUPS/  CONTROL GROUPS/  (childs or preschool\$ or pre-school\$ or toddlers),ti.ab.  exp. INFANT/  ((infan\$ or neonats or newborn\$ or baby or babies or prefmie? or premie or premies),ti.ab.  exp. INFANT/  ((infan\$ or neonats or newborn\$ or baby or babies or prefmie? or premie or premies),ti.ab.  exp. PSCATTIC STUDIES/  (fallas ad) (thinks),ti.ab.  FTT. it.ab.  ((infan\$ or neonats or newborn\$ or baby or babies or prefmie? or premie or premies),ti.ab.  exp. INFANT/  ((infan\$ ad) (thinks),ti.ab.  FTT. it.ab.  ((infan\$ or neonats or newborn\$ or baby or babies or prefmie? or premie or premies),ti.ab.  or/38-39  (Falluse TO THRIVE/  (fallas ad) (thinks),ti.ab.  FTT. it.ab.  ((infan\$ or neonats or newborn\$ or baby or babies or prefmie? or premie or premies),ti.ab.  or/38-39  (Falluse TO THRIVE/  (fallas ad) (thinks),ti.ab.  FTT. it.ab.  (Childs or preschools or or exp. it.ab.  or/38-39  (Childs or preschools or or exp. it.ab.  or or or	#	Searches
((meta analy)* or metanaly*).ti,ab. ((systematic*) or evidence*) add; (review or overview*),ti,ab. ((reference list*) of bibliograph* or hand search* or manual search* or relevant journals).ab. (search* strategy or search critaria or systematic search* or study selection or data extraction).ab. (search* add literature).ab. (mediene or putmed or cochana or embase or psychilit or psychinfo or psycinfo or cinahil or science citation index or brids or cancerlit).ab. cochrane.jw. ord*-19 10 ord*-19 11 COHORT STUDIES/ cohort*.ti,ab. 15 FOLLOW-UP STUDIES/ (Follows up add) (study or studies).ti,ab. 16 LONGTUDINAL STUDIES/ 16 longitudinal\$.ti,ab. 17 PROSPECTIVE STUDIES/ 18 prospective\$.ti,ab. 18 PROSPECTIVE STUDIES/ 19 prospective\$.ti,ab. 19 PROSPECTIVE STUDIES/ 20 retrospective\$.ti,ab. 21 CASE CONTROL STUDIES/ 22 case control\$.ti,ab. 23 ord*-12-2 24 CONTROL GROUPS/ 25 control group?.ti,ab. 26 control*.ab. frice=2 27 ord*-2-3 28 10 or 23 or 27 29 CHILD, PRESCHOOL' 20 (child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab. 20 ord*-2-3 30 ord*-2-3 31 ord*-2-3 31 ord*-2-3 32 ord*-2-3 33 and 40 34 prediatric\$.ti,ab. 35 ord*-2-3 36 FAILURE TO THRIVE/ ((inflan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab. 36 ord*-2-3 37 ord*-2-3 38 FAILURE TO THRIVE/ ((inflan\$ alight indish), ab. 39 PEDIATRICS/ 30 WEIGHT CHANNES/ 30 EMORALY/ 31 Sand 40 32 Sand 51 33 and 40 34 PROSPECTIVE STUDIES/ 35 EMORALY/ 36 FAILURE TO THRIVE/ ((inflan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie?) 39 Prediatric\$, ta,ab. 30 ord*-2-3 30 ord*-2-3 31 Ord*-2-3 32 ord*-2-3 33 ord*-2-3 34 Prediatric\$, ta,ab. 35 ord*-2-3 36 FAILURE TO THRIVE/ ((inflan\$ or neonat\$ or newborn\$ or baby or babies or premie or premie or premies).ti,ab. 36 ord*-2-3 37 ord*-2-3 38 ord*-2-3 39 PEDIATRICS/ (inflan\$ or neonat\$ or newborn\$ or baby or babies or premie? 30 ord*-2-3 31 ord*-2-3 32 ord*-2-3 33 ord*-2-3 34 ord*-2-3 35 ord*-2-3 36 ord*-2-3 37 ord*-2-3 38 ord*-2-3 39 PEDIATRICS/ (inflan\$ or neonat\$ or newborn\$ or baby or babies or prem	1	
((meta analy)* or metanaly*).ti,ab. ((systematic*) or evidence*) add; (review or overview*),ti,ab. ((reference list*) of bibliograph* or hand search* or manual search* or relevant journals).ab. (search* strategy or search critaria or systematic search* or study selection or data extraction).ab. (search* add literature).ab. (mediene or putmed or cochana or embase or psychilit or psychinfo or psycinfo or cinahil or science citation index or brids or cancerlit).ab. cochrane.jw. ord*-19 10 ord*-19 11 COHORT STUDIES/ cohort*.ti,ab. 15 FOLLOW-UP STUDIES/ (Follows up add) (study or studies).ti,ab. 16 LONGTUDINAL STUDIES/ 16 longitudinal\$.ti,ab. 17 PROSPECTIVE STUDIES/ 18 prospective\$.ti,ab. 18 PROSPECTIVE STUDIES/ 19 prospective\$.ti,ab. 19 PROSPECTIVE STUDIES/ 20 retrospective\$.ti,ab. 21 CASE CONTROL STUDIES/ 22 case control\$.ti,ab. 23 ord*-12-2 24 CONTROL GROUPS/ 25 control group?.ti,ab. 26 control*.ab. frice=2 27 ord*-2-3 28 10 or 23 or 27 29 CHILD, PRESCHOOL' 20 (child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab. 20 ord*-2-3 30 ord*-2-3 31 ord*-2-3 31 ord*-2-3 32 ord*-2-3 33 and 40 34 prediatric\$.ti,ab. 35 ord*-2-3 36 FAILURE TO THRIVE/ ((inflan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab. 36 ord*-2-3 37 ord*-2-3 38 FAILURE TO THRIVE/ ((inflan\$ alight indish), ab. 39 PEDIATRICS/ 30 WEIGHT CHANNES/ 30 EMORALY/ 31 Sand 40 32 Sand 51 33 and 40 34 PROSPECTIVE STUDIES/ 35 EMORALY/ 36 FAILURE TO THRIVE/ ((inflan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie?) 39 Prediatric\$, ta,ab. 30 ord*-2-3 30 ord*-2-3 31 Ord*-2-3 32 ord*-2-3 33 ord*-2-3 34 Prediatric\$, ta,ab. 35 ord*-2-3 36 FAILURE TO THRIVE/ ((inflan\$ or neonat\$ or newborn\$ or baby or babies or premie or premie or premies).ti,ab. 36 ord*-2-3 37 ord*-2-3 38 ord*-2-3 39 PEDIATRICS/ (inflan\$ or neonat\$ or newborn\$ or baby or babies or premie? 30 ord*-2-3 31 ord*-2-3 32 ord*-2-3 33 ord*-2-3 34 ord*-2-3 35 ord*-2-3 36 ord*-2-3 37 ord*-2-3 38 ord*-2-3 39 PEDIATRICS/ (inflan\$ or neonat\$ or newborn\$ or baby or babies or prem	2	META-ANALYSIS AS TOPIC/
(systematic* or evidence*) adi/2 (review* or oveniew*),ti,ab. (reference list* or bibliograph* or hand search* or manual search* or relevant journals),ab. (search strategy or search criteria or systematic search or study selection or data extraction),ab. (search* ady literature),ab. (medline or pubmed or cochrane or embase or psychilit or psychilor or psychilor or cinahi or science citation index or brids or cracerelit),ab. cochrane,jw.  COHORT STUDIES/ cohort* STUDIES/ cohort* STUDIES/ (Follow* up ady) study or studies)),ti,ab. (Follow* up ady) study or studies),ti,ab. (Follow* up ady) study ady ady ady ady ady ady ady ady ady a		
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66 (search strategy or search criteria or systematic search or study selection or data extraction).ab. 7 (search "add literature).ab. 8 (medline or pubmed or cochrane or embase or psychilt or psychint or psychint or psychint or science citation index or bids or canceriti).ab. 9 cochrane.jw. 10 or/1-9 111 COHORT STUDIES/ 12 cohort?.tiab. 13 FOLLOW-UP STUDIES/ 14 (Follows, up adj3 (study or studies)).ti,ab. 14 (Follows, up adj3 (study or studies)).ti,ab. 15 LONGITUDINAL STUDIES/ 16 longitudinals.tiab. 17 PROSPECTIVE STUDIES/ 18 prospectives.fi.ab. 19 RETROSPECTIVE STUDIES/ 19 retrospectives.fi.ab. 20 case controls.fi.ab. 21 CASE CONTROL STUDIES/ 22 case controls.fi.ab. 23 or/11-22 24 CONTROL GROUPS/ 25 control group?.tiab. 26 control group?.tiab. 27 or/24-26 28 10 or 23 or 27 29 CHILD, PRESCHOOL/ 20 (childs or preschools or pre-schools or toddlers).ti,ab. 29 exp INFANT/ 20 (rights or preschools or pre-schools or toddlers).ti,ab. 20 exp INFANT/ 21 (rights or preschools or pre-schools or pre#mie? or premie or premies).ti,ab. 28 prepliatrics.ti,ab. 29 prediatrics.ti,ab. 30 or/30-34 31 sid adj2 thin/s).ti,ab. 31 fill. Ti,ab. 32 (fallers adj3 (weight or grows)).ti,ab. 33 or/29-34 4 SA FAILER TO THRIVE/ 4 (was filler to the total studies).ti,ab. 4 or/36-39 4 SA FAILER TO THRIVE/ 4 WASTING SYNDROME/ 4 THINNES/ 4 SHOREMAN DOT WEIGHT MAINTENANCE/ 5 OCHER DOY WEIGHT/ 5 WASTING SYNDROME/ 5 "THINNES/ 5 OCHER OF STEATH AND STEATH OR STEA		
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or/29-34  FAILURE TO THRIVE/ (fails adj2 thriv\$).ti,ab.  FTT.ti,ab.  FTT.ti,ab.  FTT.ti,ab.  (falter\$ adj3 (weight or grow\$)).ti,ab.  or/36-39  13 sand 40  WEIGHT LOSS/  WEIGHT LOSS/  BODY WEIGHT CHANGES/  BODY WEIGHT CHANGES/  BODY WEIGHT MAINTENANCE/  IDEAL BODY WEIGHT/  WASTING SYNDROME/  "THINNESS/  EMACIATION/  ANOREXIA/  or/42-50  35 and 51  "CHILD NUTRITION DISORDERS/  "INFANT NUTRITION DISORDERS/  "FEEDING AND EATING DISORDERS OF CHILDHOOD"/  (CHILD, PRESCHOOL/ or exp INFANT/) and "MALNUTRITION/  (CHILD, PRESCHOOL/ or exp INFANT/) and "GROWTH DISORDERS/  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))), ii, ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$)), ii, ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or poor nutrition\$ or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted), it, ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or under weight? or underweight? or (feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted), it, ab.		•
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FTT.ti,ab.  (falter\$ adj3 (weight or grow\$)).ti,ab.  or/36-39  41     35 and 40  42		
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<ul> <li>*WEIGHT LOSS/b [Physiology]</li> <li>WEIGHT LOSS/ph [Physiology]</li> <li>BODY WEIGHT CHANGES/</li> <li>BODY WEIGHT MAINTENANCE/</li> <li>IDEAL BODY WEIGHT/</li> <li>WASTING SYNDROME/</li> <li>*THINNESS/</li> <li>EMACIATION/</li> <li>ANOREXIA/</li> <li>or/42-50</li> <li>35 and 51</li> <li>*CHILD NUTRITION DISORDERS/</li> <li>*INFANT NUTRITION DISORDERS/</li> <li>*IFEEDING AND EATING DISORDERS OF CHILDHOOD"/</li> <li>(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/</li> <li>(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti, ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or stunting or stunted)).ti, ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or stunting or stunted)).ti, ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or stunting or stunted)).ti, ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or stunting or stunted)).ti, ab.</li> </ul>		
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ANOREXIA/ 51 or/42-50 52 35 and 51 53 *CHILD NUTRITION DISORDERS/ 54 *INFANT NUTRITION DISORDERS/ 55 "FEEDING AND EATING DISORDERS OF CHILDHOOD"/ 56 (CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/ 57 (CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/ 58 ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab. 59 ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or neonat\$ or newborn\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab. 60 ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or	49	EMACIATION/
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<ul> <li>35 and 51</li> <li>*CHILD NUTRITION DISORDERS/</li> <li>*INFANT NUTRITION DISORDERS/</li> <li>"FEEDING AND EATING DISORDERS OF CHILDHOOD"/</li> <li>(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/</li> <li>(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or</li> </ul>		
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*INFANT NUTRITION DISORDERS/  "FEEDING AND EATING DISORDERS OF CHILDHOOD"/  (CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/  (CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or		
<ul> <li>"FEEDING AND EATING DISORDERS OF CHILDHOOD"/</li> <li>(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/</li> <li>(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or</li> </ul>	53	*CHILD NUTRITION DISORDERS/
<ul> <li>(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/</li> <li>(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or</li> </ul>	54	*INFANT NUTRITION DISORDERS/
<ul> <li>(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/</li> <li>(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or</li> </ul>	55	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
<ul> <li>(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or</li> </ul>		
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<ul> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or</li> </ul>		
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under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or		
thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or		
60 ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or		thinn\$ or emaciat\$ or apprexi\$ or stunting or stunted() ti ah
	60	
premie or premies) adj/ ((Slows or insumcients) adjz weight adjz gains)).ti,ab.	00	
		premie or premies) adj. ((Siową or insumcientą) adj. weigrit adj. gamą)).ti,ab.

4	Correboo
<b>#</b> 61	Searches  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
01	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
62	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
63	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
64	or/53-63
65	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
66	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
67	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
68	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
69	or/65-68
70	41 or 52 or 64 or 69
71	DIET RECORDS/
72 73	((food? or diet\$) adj2 (diary or diaries or record\$)).ti,ab. FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/
74	((assess\$ or observ\$) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or
75	exp VIDEO RECORDING/
76	video\$.ti,ab.
77	((eat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)).ti,ab.
78	(Children\$ eating behaviour questionnaire or CEBQ\$ or P?ediatric Eating Assessment Tool or Pedi-EAT or
	(Development and Well-Being Assessment) or DAWBA\$ or Behavio?ral P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?r Inventory or CEBI or Children\$ Feeding Assessment Questionnaire or CFAQ or Mealtime Behavio?r Questionnaire or MBQ or Montreal Children\$ Hospital Feeding Scale or MCH Feeding Scale).ti,ab.
79	((behav\$ or practice?) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefeed\$ or bottlefeed\$ or bottlefed\$ or bettlefed\$ or eat\$ or meal\$)).ti,ab.
80	((identif\$ or differen\$) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefeed\$ or bottlefeed\$ or bottlefed\$ or eat\$ or meal\$)).ti,ab.
81	or/71-80
82	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
83	70 and 81
84	70 and 82
85	or/83-84
86	limit 85 to english language
87	LETTER/
88 89	EDITORIAL/ NEWS/
90	exp HISTORICAL ARTICLE/
91	ANECDOTES AS TOPIC/
92	COMMENT/
93	CASE REPORT/
94	(letter or comment*).ti.
95	or/87-94
96	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
97	95 not 96
98	ANIMALS/ not HUMANS/
99	exp ANIMALS, LABORATORY/
100	exp ANIMAL EXPERIMENTATION/
101 102	exp MODELS, ANIMAL/ exp RODENTIA/
102	(rat or rats or mouse or mice).ti.
103	or/97-103
105	86 not 104
106	10 and 105
107	23 and 105
108	27 and 105
109	or/106-108

#### 1 E.4.2 Cochrane Central Register of Controlled Trials (CCTR)

	hrane Central Register of Controlled Trials (CCTR)
#	Searches META-ANALYSIS/
1	META-ANALYSIS AS TOPIC/
3	(meta analy* or metanaly*).ti,ab.
4	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
5	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
6	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
7	(search* adj4 literature).ab.
8	(medline or pubmed or cochrane or embase or psychlit or psychinfo or psycinfo or cinahl or science citation
	index or bids or cancerlit).ab.
9	cochrane.jw.
10	or/1-9
11	COHORT STUDIES/
12	cohort?.ti,ab.
13	FOLLOW-UP STUDIES/
14	(Follow\$ up adj3 (study or studies)).ti,ab.
15 16	LONGITUDINAL STUDIES/ longitudinal\$.ti,ab.
17	PROSPECTIVE STUDIES/
18	prospective\$.ti,ab.
19	RETROSPECTIVE STUDIES/
20	retrospective\$.ti,ab.
21	CASE CONTROL STUDIES/
22	case control\$.ti,ab.
23	or/11-22
24	CONTROL GROUPS/
25	control group?.ti,ab.
26	control?.ab. /freq=2
27	or/24-26
28	10 or 23 or 27
29	CHILD, PRESCHOOL/
30	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,kw.
31 32	exp INFANT/ (infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.
33	exp PEDIATRICS/
34	p?ediatric\$.ti,ab,kw.
35	or/29-34
36	FAILURE TO THRIVE/
37	(fail\$ adj2 thriv\$).ti,ab.
38	FTT.ti,ab.
39	(falter\$ adj3 (weight or grow\$)).ti,ab.
40	or/36-39
41	35 and 40
42	*WEIGHT LOSS/
43	WEIGHT LOSS/ph [Physiology]
44	BODY WEIGHT CHANGES/
45 46	BODY WEIGHT MAINTENANCE/ IDEAL BODY WEIGHT/
46 47	WASTING SYNDROME/
48	*THINNESS/
49	EMACIATION/
50	ANOREXIA/
51	or/42-50
52	35 and 51
53	*CHILD NUTRITION DISORDERS/
54	*INFANT NUTRITION DISORDERS/
55	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
56	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
57	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
58	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
59	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or poor nutrition\$ or undernourish\$ or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
60	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
61	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
62	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or

#	Searches
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
63	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
64	or/53-63
65	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
66	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
67	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
68	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
69	or/65-68
70	41 or 52 or 64 or 69
71	DIET RECORDS/
72	((food? or diet\$) adj2 (diary or diaries or record\$)).ti,ab.
73	FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/
74	((assess\$ or observ\$) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefeed\$ or bottlefed\$ or bottlefed\$ or eat\$ or meal\$)).ti,ab.
75	exp VIDEO RECORDING/
76	video\$.ti,ab.
77	((eat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)).ti,ab.
78	(Children\$ eating behaviour questionnaire or CEBQ\$ or P?ediatric Eating Assessment Tool or Pedi-EAT or (Development and Well-Being Assessment) or DAWBA\$ or Behavio?ral P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?r Inventory or CEBI or Children\$ Feeding Assessment Questionnaire or CFAQ or Mealtime Behavio?r Questionnaire or MBQ or Montreal Children\$ Hospital Feeding Scale or MCH Feeding Scale).ti,ab.
79	((behav\$ or practice?) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$ or bottlefed\$ or bottlefed\$ or eat\$ or meal\$)).ti,ab.
80	((identif\$ or differen\$) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefeed\$ or bottlefeed\$ or bottlefed\$ or eat\$ or meal\$)).ti,ab.
81	or/71-80
82	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
83	70 and 81
84	70 and 82
85	or/83-84
86	10 and 85
87	23 and 85
88	27 and 85
89	or/86-88

E.4.3 Cochrane Database of Systematic Reviews (CDSR)

#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	PEDIATRICS.kw.
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21

#	Searches
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
35	or/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	or/36-39
41	13 or 23 or 35 or 40
42	DIET RECORDS.kw.
43	((food? or diet\$) adj2 (diary or diaries or record\$)).ti,ab.
44	(FEEDING BEHAVIOR or FEEDING METHODS OF BREAST FEEDING OF BOTTLE FEEDING OF MEALS).kw.
45	((assess\$ or observ\$) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefeed\$ or bottlefed\$ or bottlefed\$ or eat\$ or meal\$)).ti,ab.
46	VIDEO RECORDING.kw.
47	video\$.ti,ab.
48	((eat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)).ti,ab.
49	(Children\$ eating behaviour questionnaire or CEBQ\$ or P?ediatric Eating Assessment Tool or Pedi-EAT or (Development and Well-Being Assessment) or DAWBA\$ or Behavio?ral P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?r Inventory or CEBI or Children\$ Feeding Assessment Questionnaire or CFAQ or Mealtime Behavio?r Questionnaire or MBQ or Montreal Children\$ Hospital Feeding Scale or MCH Feeding Scale).ti,ab.
50	((behav\$ or practice?) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$ or b
51	((identif\$ or differen\$) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefeed\$ or bottlefed\$ or bottlefed\$ or eat\$ or meal\$)).ti,ab.
52	or/42-51
53	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
54	41 and 52
55	41 and 53
56	or/54-55

E.4.4 Database of Abstracts of Reviews of Effects (DARE)

#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw,tx.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw,tx.
5	PEDIATRICS.kw.
6	p?ediatric\$.tw,tx.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).tw,tx.
10	FTT.tw,tx.

ш	Casyahaa
<b>#</b>	Searches (falter\$ adj3 (weight or grow\$)).tw,tx.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22 23	or/14-21 7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw,tx.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adi5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw,tx.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw,tx.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw,tx.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
34	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw,tx.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
34	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw,tx.
35	or/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
	dehyrat\$)).tw,tx.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
	physiolog\$))).tw,tx.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$"
	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
40	or/36-39
41	13 or 23 or 35 or 40
42	DIET RECORDS.kw.
43 44	((food? or diet\$) adj2 (diary or diaries or record\$)).tw,tx. (FEEDING BEHAVIOR or FEEDING METHODS or BREAST FEEDING or BOTTLE FEEDING or MEALS).kw.
45	((assess\$ or observ\$) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or
	bottlefed\$ or bottle fed\$ or feed\$ or eat\$ or meal\$)).tw,tx.
46	VIDEO RECORDING.kw.
47	video\$.tw,tx.
48	((eat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)).tw,tx.
49	(Children\$ eating behaviour questionnaire or CEBQ\$ or P?ediatric Eating Assessment Tool or Pedi-EAT or
	(Development and Well-Being Assessment) or DAWBA\$ or Behavio?ral P?ediatrics Feeding Assessment Scale or
	BPFAS or Child Eating Behavio?r Inventory or CEBI or Children\$ Feeding Assessment Questionnaire or CFAQ or Mealtime Behavio?r Questionnaire or MBQ or Montreal Children\$ Hospital Feeding Scale or MCH Feeding
	Scale).tw,tx.
50	((behav\$ or practice?) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or
	bottlefed\$ or bottle fed\$ or feed\$ or eat\$ or meal\$)).tw,tx.
51	((identif\$ or differen\$) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or
	bottlefed\$ or bottle fed\$ or feed\$ or eat\$ or meal\$)).tw,tx.
52	Or/42-51
53	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in
	Bradford" or "UK 1990 Growth Reference").tw,tx.
54	41 and 52
55	41 and 53
56	or/54-55

## 1 E.4.5 Health Technology Assessment (HTA)

#	Searches CHILD DESCRIPTION /
1	CHILD, PRESCHOOL/ (child\$ or preschool\$ or pre-school\$ or toddler\$).tw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
5	exp PEDIATRICS/
6	p?ediatric\$.tw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).tw.
10	FTT.tw.
11	(falter\$ adj3 (weight or grow\$)).tw.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17 18	BODY WEIGHT MAINTENANCE/ IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
41	or/37-40
42	13 or 24 or 36 or 41
43	DIET RECORDS/
44	((food? or diet\$) adj2 (diary or diaries or record\$)).tw.
45 46	FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/ ((assess\$ or observ\$) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefeed\$ or bottlefed\$ or bottlefed\$ or meal\$)).tw.
47	exp VIDEO RECORDING/
48	video\$.tw.
49	((eat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)).tw.
50	(Children\$ eating behaviour questionnaire or CEBQ\$ or P?ediatric Eating Assessment Tool or Pedi-EAT or (Development and Well-Being Assessment) or DAWBA\$ or Behavio?ral P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?r Inventory or CEBI or Children\$ Feeding Assessment Questionnaire or CFAQ or Mealtime Behavio?r Questionnaire or MBQ or Montreal Children\$ Hospital Feeding Scale or MCH Feeding Scale).tw.
51	((behav\$ or practice?) adj3 (breastfeed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefeed\$ or beats or meal\$)).tw.

#	Searches
	bottlefed\$ or bottle fed\$ or feed\$ or eat\$ or meal\$)).tw.
53	or/43-52
54	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw.
55	42 and 53
56	42 and 54
57	or/55-56

#### 1

#### 2 **E.4.6 Embase**

Emb	ase
#	Searches
1	SYSTEMATIC REVIEW/
2	META-ANALYSIS/
3	(meta analy* or metanaly* or metaanaly*).ti,ab.
4	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
5	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
6	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
7	
	(search* adj4 literature).ab.
8	(medline or pubmed or cochrane or embase or psychlit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
0	
9	((pool* or combined) adj2 (data or trials or studies or results)).ab.
10	cochrane.jw.
11	or/1-10
12	COHORT ANALYSIS/
13	cohort?.ti,ab.
14	FOLLOW-UP/
15	(Follow\$ up adj3 (study or studies)).ti,ab.
16	LONGITUDINAL STUDY/
17	longitudinal\$.ti,ab.
18	PROSPECTIVE STUDY/
19	prospective\$.ti,ab.
20	RETROSPECTIVE STUDY/
21	retrospective\$.ti,ab.
22	exp CASE CONTROL STUDY/
23	case control\$.ti,ab.
24	or/12-23
25	CONTROL GROUP/
26	control group?.ti,ab.
27	control?.ab. /freq=2
28	or/25-27
29	11 or 24 or 28
30	PRESCHOOL CHILD/ or TODDLER/
31	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
32	exp INFANT/
33	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
	exp PEDIATRICS/
34	•
35	p?ediatric\$.ti,ab.
36	or/30-35
37	FAILURE TO THRIVE/
38	(fail\$ adj2 thriv\$).ti,ab.
39	FTT.ti,ab.
40	(falter\$ adj3 (weight or grow\$)).ti,ab.
41	or/37-40
42	36 and 41
43	*WEIGHT REDUCTION/
44	WEIGHT CHANGE/
45	WEIGHT FLUCTUATION/
46	WEIGHT VARIATION/
47	WASTING SYNDROME/
48	EMACIATION/
49	*ANOREXIA/
50	or/43-49
51	36 and 50
52	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *NUTRITIONAL DISORDER/
53	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *EATING DISORDER/
54	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *MALNUTRITION/
55	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *GROWTH DISORDER/
	( 1 1

#	Soarchae
#	Searches
56	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
57	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
58	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
59	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)),ti,ab.
60	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
61	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
62	or/52-61
63	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
64	NEONATAL WEIGHT LOSS/
65	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
66	dehyrat\$)).ti,ab. ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
67	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or
	"12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
68	or/63-67
69	42 or 51 or 62 or 68
70	((food? or diet\$) adj2 (diary or diaries or record\$)).ti,ab.
71	*FEEDING BEHAVIOR/ or *FOOD INTAKE/ or exp *INFANT FEEDING/ or *MEAL/
72	((assess\$ or observ\$) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$ or bottlefed\$ or bottlefed\$ or eat\$ or meal\$)).ti,ab.
73	VIDEORECORDING/
74	video\$.ti,ab.
75	((eat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)).ti,ab.
76	(Children\$ eating behaviour questionnaire or CEBQ\$ or P?ediatric Eating Assessment Tool or Pedi-EAT or (Development and Well-Being Assessment) or DAWBA\$ or Behavio?ral P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?r Inventory or CEBI or Children\$ Feeding Assessment Questionnaire or CFAQ or Mealtime Behavio?r Questionnaire or MBQ or Montreal Children\$ Hospital Feeding Scale or MCH Feeding Scale).ti.ab.
77	((behav\$ or practice?) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$ or bottlefed\$ or bottlefed\$ or bottlefed\$ or eat\$ or meal\$)).ti,ab.
78	((identif\$ or differen\$) adj3 (breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$ or bottlefed\$ or bottlefed\$ or eat\$ or meal\$)).ti,ab.
79	or/70-78
80	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti.ab.
81	69 and 79
82	69 and 80
83	or/81-82
84	limit 83 to english language
85	letter.pt. or LETTER/
86	note.pt.
87	editorial.pt.
88	CASE REPORT/ or CASE STUDY/
89	(letter or comment*).ti.
90	or/85-89
91	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
92	90 not 91
93	ANIMAL/ not HUMAN/
93 94	NONHUMAN/
94 95	exp ANIMAL EXPERIMENT/
96	exp EXPERIMENTAL ANIMAL/
97 08	ANIMAL MODEL/
98	exp RODENT/
99	(rat or rats or mouse or mice).ti.
100	or/92-99
101	84 not 100
400	11 and 101
103	24 and 101
102 103 104 105	24 and 101 28 and 101 or/102-104

2

# E.5 Approaches in assessing feeding and eating

#### 3 E.5.1 Medline and Medline In-Process & Other Non-Indexed Citations

	Iline and Medline In-Process & Other Non-Indexed Citations
#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26 27	*INFANT NUTRITION DISORDERS/ "FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL) of exp INFANT) and *MALNOTRITION/ (CHILD, PRESCHOOL) or exp INFANT) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
30	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
41	or/37-40
42	13 or 24 or 36 or 41
43	(assess\$ or observ\$).ti. and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)
44	(assess\$ or observ\$).ab. /freq=2 and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)
45	((assess\$ or observ\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$ or bottlefed\$ or bottle fed\$ or feed\$) and eat\$) or meal\$)).ti,ab.
46	MEDICAL HISTORY TAKING/ and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)
47	(history adj5 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$ or bottle

fed\$ or feed\$) and eat\$) or meal\$).ti,ab.  WEANING/ and AGE FACTORS/ (age\$ adj3 wean\$).ti,tab.  "FOOD HABITS/ I (frang\$ or type? or different or divers\$ or habit?) adj2 food?).ti,ab.  DIET RECORDS/ I (flood? or diet\$) adj2 (diary or diaries or record\$)).ti,ab.  exp VIDEO RECORDING/ and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)  ((widoso or record\$) adj3 ((foreastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefed\$ or bottle fed\$ or feed\$) and eat\$) or meal\$),ti,ab.  ((eat\$ or feed\$) and eat\$) or meal\$),ti,ab.  ((children\$ eating behaviour questionnaire? or scale? or tool?)).ti,ab.  ((children\$ eating behaviour questionnaire? or cEBQ\$ or P?ediatric Eating Assessment Tool or Pedi-EAT or (Development and Well-Being Assessment) or DAWBA\$ or Behavio?ria P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?r Inventory or CEBQ\$ or Behavio?ria P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?r Inventory or CEBQ\$ or Behavio?ria P?ediatrics Feeding Assessment Scale or McH Feeding Scale or Mc	#	Searches
## WEANING/ and AGE FACTORS/  (age? adj3 weans),ti,ab.  17-OOD HABITS/  (Irang\$ or type? or different or divers\$ or habit?) adj2 food?),ti,ab.  DIET RECORDS/  (If(ood? or diets) adj2 (diary or diaries or record\$)),ti,ab.  (If(ood? or diets) adj2 (diary or diaries or record\$)),ti,ab.  ## WEANING/ and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)  (Ivideo\$ or record\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefed\$ or bottlefed\$ or bottle fed\$ or feed\$ or meal\$) adj3 ((questionnaire? or scale? or tool?)),ti,ab.  ((eat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)),ti,ab.  ((cat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)),ti,ab.  ((cat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)),ti,ab.  ((cat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)),ti,ab.  ((cat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)),ti,ab.  ((cat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)),ti,ab.  ((cat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)),ti,ab.  ((cat\$ or feed\$ or meal\$) adj3 (questionnaire? or tool?),ti,ab.  ((cat\$ or chid Eating Behavio?) (reventory or CEBI or Children\$ Feeding Assessment Tool or Pedi-EAT or (Development and Well-Being Assessment) or DAWBA\$ or Behavio?ral P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?? Inventory or CEBI or Children\$ Hospital Feeding Scale or MCH Feeding Scale),ti,ab.  35	-	
(age? adj3 wean\$),ti,ab.  FOOD HABITS/  (rrang\$ or type? or different or divers\$ or habit?) adj2 food?),ti,ab.  DIET RECORDS/  ((fload) or diet§) adj2 (diary or diaries or record\$)),ti,ab.  EEDING/ or diet§) adj2 (diary or diaries or record\$)),ti,ab.  ((video\$ or diet§) adj2 (diary or diaries or record\$)),ti,ab.  ((video\$ or record\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefed\$ or bottlefed	10	
<ul> <li>*FOOD HABITS/</li> <li>(frang\$ or type? or different or divers\$ or habit?) adj2 food?),ti,ab.</li> <li>DIET RECORDS/</li> <li>DIET RECORDS/</li> <li>(ffood? or diets) adj2 (diary or diaries or record\$)),ti,ab.</li> <li>exp VIDEO RECORDING/ and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)</li> <li>((video\$ or record\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefed\$ or bottlefed\$ or bottle fed\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?),ti,ab.</li> <li>((cleat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?),ti,ab.</li> <li>(Children\$ eating behaviour questionnaire or CEBQ\$ or P?ediatric Eating Assessment Tool or Pedi-EAT or (Development and Well-Being Assessment) or DAWBA\$ or Behavio?ral P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?r Inventory or CEBI or Children\$ Feeding Assessment Questionnaire or CFAQ or Mealtime Behavio?r Questionnaire or MBQ or Montreal Children\$ Hospital Feeding Scale or MCH Feeding Scale),ti,ab.</li> <li>or/43-57</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference"),ti,ab.</li> <li>42 and 58</li> <li>42 and 58</li> <li>42 and 58</li> <li>61 42 and 59</li> <li>62 or/60-61</li> <li>63 limit 62 to english language</li> <li>64 LETTER/</li> <li>65 EDITORIAL/</li> <li>66 NEWS/</li> <li>67 exp HISTORICAL ARTICLE/</li> <li>68 ANECDOTES AS TOPIC/</li> <li>COMMENT/</li> <li>CASE REPORT7</li> <li>11 (letter or comment*),ti.</li> <li>or/64-71</li> <li>73 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.</li> <li>74 72 not 73</li> <li>ANIMALS/ not HUMANS/</li> <li>exp AOIMALS, LABORATORY/</li> <li>exp AOIMALS, LABORATORY/</li> <li>exp RODENTIA/</li> <li>(rat or rats or mouse or mice),ti.</li> <li>or/74-80</li> </ul>	-	
<ul> <li>51 ((rang\$ or type? or different or divers\$ or habit?) adj2 food?).ti,ab.</li> <li>52 DIET RECORDS/</li> <li>3 ((flood? or diet\$) adj2 (diary or diaries or record\$)).ti,ab.</li> <li>54 exp VIDEO RECORDING/ and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)</li> <li>55 ((video\$ or record\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefed\$ or bottle fed\$ or bottle fed\$ or bottle fed\$ or bottle fed\$ or feed\$ or meal\$) adj3 (((breastfeed\$ or or beast fed\$ or tool?)).ti,ab.</li> <li>56 ((eat\$ or feed\$ or meal\$) adj3 ((ugestionnaire) or CEBO\$ or P?ediatric Eating Assessment Tool or Pedi-EAT or (Development and Well-Being Assessment) or DAWBA\$ or Behavio?ral P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?r Inventory or CEBI or Children\$ Feeding Assessment Questionnaire or CFAQ or Mealtime Behavio?r Questionnaire or MBQ or Montreal Children\$ Hospital Feeding Scale or MCH Feeding Scale).ti,ab.</li> <li>58 or/43-57</li> <li>9 ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.</li> <li>60 42 and 58</li> <li>61 42 and 59</li> <li>62 or/60-61</li> <li>63 limit 62 to english language</li> <li>64 LETTER/</li> <li>65 EDITORIAL/</li> <li>66 NEWS/</li> <li>67 exp HISTORICAL ARTICLE/</li> <li>68 ANECDOTES AS TOPIC/</li> <li>69 COMMENT/</li> <li>60 COMMENT/</li> <li>61 CAS REPORT/</li> <li>61 (letter or comment").ti.</li> <li>62 or/68-47</li> <li>63 RANDOMIZED CONTROLLED TRIAL/ or random".ti,ab.</li> <li>64 ANIMALS/ not HUMANS/</li> <li>65 exp ANIMALS ABORATORY/</li> <li>67 exp ANIMAL EXPERIMENTATION/</li> <li>68 exp ANIMAL EXPERIMENTATION/</li> <li>69 exp ANIMAL EXPERIMENTATION/</li> <li>60 exp RODENTA/</li> <li>61 or/64-73</li> <li>62 or/64-73</li> <li>63 or/64-76</li> <li>64 or foot and the substantial or mouse or</li></ul>	_	
DIET RECORDS/  ((food? or diet\$) adj2 (diary or diaries or record\$)).ti,ab.  exp VIDEO RECORDING/ and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)  foundation of the property of MEALS/)  ((iotag6 or record\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefed\$ or bottlefed\$ or bottle fed\$ or feed\$) and eat\$) or meal\$).it,ab.  ((icat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)).ti,ab.  ((chitGres eating behaviour questionnaire or CEBQ\$ or P?ediatric Eating Assessment Tool or Pedi-EAT or (Development and Well-Being Assessment) or DAWBA\$ or Behavio?ral P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?? Inventory or CEBI or Children\$ Feeding Assessment Questionnaire or CFAQ or Mealtime Behavio? Questionnaire or MBQ or Montreal Children\$ Hospital Feeding Scale or MCH Feeding Scale).ti,ab.  or/43-57  ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.  42 and 58  42 and 59  62 or/60-61  limit 62 to english language  LETTER/  EDITORIAL/  NEWS/  exp HISTORICAL ARTICLE/  ANECODTES AS TOPIC/  COMMENT/  CASE REPORT/  (letter or comment").ti.  or/48-71  RANDOMIZED CONTROLLED TRIAL/ or random".ti,ab.  72 not 73  ANIMALS/ not HUMANS/  exp ANIMALS / not HUMANS/  exp ANIMALS / not HUMANS/  exp ANIMALS / not HUMANS/  exp ANIMAL EXPERIMENTATION/  exp RODENTIA/  (rat or rats or mouse or mice).ti.		
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54 exp VIDEO RECORDING and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)  ((video\$ or record\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$	-	
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66 NEWS/ 67 exp HISTORICAL ARTICLE/ 68 ANECDOTES AS TOPIC/ 69 COMMENT/ 70 CASE REPORT/ 71 (letter or comment*).ti. 72 or/64-71 73 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab. 74 72 not 73 75 ANIMALS/ not HUMANS/ 76 exp ANIMALS, LABORATORY/ 77 exp ANIMAL EXPERIMENTATION/ 78 exp MODELS, ANIMAL/ 79 exp RODENTIA/ 80 (rat or rats or mouse or mice).ti. 81 or/74-80	64	LETTER/
67 exp HISTORICAL ARTICLE/ 68 ANECDOTES AS TOPIC/ 69 COMMENT/ 70 CASE REPORT/ 71 (letter or comment*).ti. 72 or/64-71 73 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab. 74 72 not 73 75 ANIMALS/ not HUMANS/ 76 exp ANIMALS, LABORATORY/ 77 exp ANIMAL EXPERIMENTATION/ 78 exp MODELS, ANIMAL/ 79 exp RODENTIA/ 80 (rat or rats or mouse or mice).ti. 81 or/74-80	65	EDITORIAL/
ANECDOTES AS TOPIC/ COMMENT/ CASE REPORT/ (letter or comment*).ti. ANIMALS/ not HUMANS/ exp ANIMALS, LABORATORY/ exp ANIMAL EXPERIMENTATION/ exp RODELS, ANIMAL/ exp RODENTIA/ (rat or rats or mouse or mice).ti.	66	NEWS/
69 COMMENT/ 70 CASE REPORT/ 71 (letter or comment*).ti. 72 or/64-71 73 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab. 74 72 not 73 75 ANIMALS/ not HUMANS/ 76 exp ANIMALS, LABORATORY/ 77 exp ANIMAL EXPERIMENTATION/ 78 exp MODELS, ANIMAL/ 79 exp RODENTIA/ 80 (rat or rats or mouse or mice).ti. 81 or/74-80	67	exp HISTORICAL ARTICLE/
70 CASE REPORT/ 71 (letter or comment*).ti. 72 or/64-71 73 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab. 74 72 not 73 75 ANIMALS/ not HUMANS/ 76 exp ANIMALS, LABORATORY/ 77 exp ANIMAL EXPERIMENTATION/ 78 exp MODELS, ANIMAL/ 79 exp RODENTIA/ 80 (rat or rats or mouse or mice).ti. 81 or/74-80	68	ANECDOTES AS TOPIC/
71 (letter or comment*).ti. 72 or/64-71 73 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab. 74 72 not 73 75 ANIMALS/ not HUMANS/ 76 exp ANIMALS, LABORATORY/ 77 exp ANIMAL EXPERIMENTATION/ 78 exp MODELS, ANIMAL/ 79 exp RODENTIA/ 80 (rat or rats or mouse or mice).ti. 81 or/74-80	69	COMMENT/
72 or/64-71 73 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab. 74 72 not 73 75 ANIMALS/ not HUMANS/ 76 exp ANIMALS, LABORATORY/ 77 exp ANIMAL EXPERIMENTATION/ 78 exp MODELS, ANIMAL/ 79 exp RODENTIA/ 80 (rat or rats or mouse or mice).ti. 81 or/74-80	70	CASE REPORT/
73 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab. 74 72 not 73 75 ANIMALS/ not HUMANS/ 76 exp ANIMALS, LABORATORY/ 77 exp ANIMAL EXPERIMENTATION/ 78 exp MODELS, ANIMAL/ 79 exp RODENTIA/ 80 (rat or rats or mouse or mice).ti. 81 or/74-80	71	(letter or comment*).ti.
74 72 not 73 75 ANIMALS/ not HUMANS/ 76 exp ANIMALS, LABORATORY/ 77 exp ANIMAL EXPERIMENTATION/ 78 exp MODELS, ANIMAL/ 79 exp RODENTIA/ 80 (rat or rats or mouse or mice).ti. 81 or/74-80	72	or/64-71
ANIMALS/ not HUMANS/ exp ANIMALS, LABORATORY/ exp ANIMAL EXPERIMENTATION/ exp MODELS, ANIMAL/ exp RODENTIA/ (rat or rats or mouse or mice).ti. exp or/74-80	73	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
76 exp ANIMALS, LABORATORY/ 77 exp ANIMAL EXPERIMENTATION/ 78 exp MODELS, ANIMAL/ 79 exp RODENTIA/ 80 (rat or rats or mouse or mice).ti. 81 or/74-80	74	72 not 73
77 exp ANIMAL EXPERIMENTATION/ 78 exp MODELS, ANIMAL/ 79 exp RODENTIA/ 80 (rat or rats or mouse or mice).ti. 81 or/74-80	75	ANIMALS/ not HUMANS/
78 exp MODELS, ANIMAL/ 79 exp RODENTIA/ 80 (rat or rats or mouse or mice).ti. 81 or/74-80	76	exp ANIMALS, LABORATORY/
79 exp RODENTIA/ 80 (rat or rats or mouse or mice).ti. 81 or/74-80	77	exp ANIMAL EXPERIMENTATION/
80 (rat or rats or mouse or mice).ti. 81 or/74-80	78	exp MODELS, ANIMAL/
81 or/74-80	79	exp RODENTIA/
	80	(rat or rats or mouse or mice).ti.
82 63 not 81	81	or/74-80
	82	63 not 81

E.5.2 Cochrane Central Register of Controlled Trials (CCTR)

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,kw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab,kw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/

#	Searches
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29 30	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or poor nutrition\$ or undernourish\$ or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
41	or/37-40
42	13 or 24 or 36 or 41
43	(assess\$ or observ\$).ti. and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)
44	(assess\$ or observ\$).ab. /freq=2 and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)
45	((assess\$ or observ\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefeed\$ or bottlefed\$ or bottlefed\$ or bottlefed\$ or meal\$)).ti,ab.
46	MEDICAL HISTORY TAKING/ and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)
47	(history adj5 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$ or bottlefed\$ or feed\$) and eat\$) or meal\$)).ti,ab.
48	WEANING/ and AGE FACTORS/
49	(age? adj3 wean\$).ti,ab.
50	*FOOD HABITS/
51	((rang\$ or type? or different or divers\$ or habit?) adj2 food?).ti,ab.
52 53	DIET RECORDS/ ((food2 or diet\$) adi2 (dieny or dieries or record\$)) ti ab
54	((food? or diet\$) adj2 (diary or diaries or record\$)).ti,ab. exp VIDEO RECORDING/ and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)
55	((video\$ or record\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$ or bottlefed\$ or bottlefed\$ or bottlefed\$ or feed\$) and eat\$) or meal\$)).ti,ab.
56	((eat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)).ti,ab.
57	(Children\$ eating behaviour questionnaire or CEBQ\$ or P?ediatric Eating Assessment Tool or Pedi-EAT or (Development and Well-Being Assessment) or DAWBA\$ or Behavio?ral P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?r Inventory or CEBI or Children\$ Feeding Assessment Questionnaire or CFAQ or Mealtime Behavio?r Questionnaire or MBQ or Montreal Children\$ Hospital Feeding Scale or MCH Feeding Scale).ti,ab.
58	or/43-57
59	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
60	42 and 58
61	42 and 59
62	or/60-61

#### 1 E.5.3 Cochrane Database of Systematic Reviews (CDSR)

#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	PEDIATRICS.kw.
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
35	or/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
	dehyrat\$)).ti,ab.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
	physiolog\$))).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$"
	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
40	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	or/36-39
41	13 or 23 or 35 or 40
42	(assess\$ or observ\$).ti,ab. and (FEEDING BEHAVIOR or FEEDING METHODS or BREAST FEEDING or BOTTLE
40	FEEDING or MEALS).kw.
43	((assess\$ or observ\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or
	bottlefed\$ or bottle fed\$ or feed\$) and eat\$) or meal\$)).ti,ab.
44	(MEDICAL HISTORY TAKING and (FEEDING BEHAVIOR or FEEDING METHODS or BREAST FEEDING or BOTTLE
4-	FEEDING or MEALS)).kw.
45	(history adj5 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$ or bottlefed\$ or feed\$) and eat\$) or meal\$)).ti,ab.
40	
46	(WEANING and AGE FACTORS).kw.
47	(age? adj3 wean\$).ti,ab.
48	FOOD HABITS.kw.
	((rang\$ or type? or different or divers\$ or habit?) adj2 food?).ti,ab.
49	
49 50	DIET RECORDS.kw.
49 50 51	DIET RECORDS.kw. ((food? or diet\$) adj2 (diary or diaries or record\$)).ti,ab.
49 50	DIET RECORDS.kw.

#	Searches
53	((video\$ or record\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$ or bottle fed\$ or feed\$) and eat\$) or meal\$)).ti,ab.
54	((eat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)).ti,ab.
55	(Children\$ eating behaviour questionnaire or CEBQ\$ or P?ediatric Eating Assessment Tool or Pedi-EAT or (Development and Well-Being Assessment) or DAWBA\$ or Behavio?ral P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?r Inventory or CEBI or Children\$ Feeding Assessment Questionnaire or CFAQ or Mealtime Behavio?r Questionnaire or MBQ or Montreal Children\$ Hospital Feeding Scale or MCH Feeding Scale).ti,ab.
56	or/42-55
57	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
58	41 and 56
59	41 and 57
60	or/58-59

## 2 E.5.4 Database of Abstracts of Reviews of Effects (DARE)

1	Searches CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw,tx.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw,tx.
5	PEDIATRICS.kw.
6	p?ediatric\$.tw,tx.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).tw,tx.
10	FTT.tw,tx.
11	(falter\$ adj3 (weight or grow\$)).tw,tx.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw,tx.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw,tx.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw,tx.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw,tx.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw,tx.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw,tx.
35	0r/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw,tx.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or

#	Searches
	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.tx.
40	or/36-39
41	13 or 23 or 35 or 40
42	(assess\$ or observ\$).tw,tx. and (FEEDING BEHAVIOR or FEEDING METHODS or BREAST FEEDING or BOTTLE FEEDING or MEALS).kw.
43	((assess\$ or observ\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefeed\$ or bottlefeed\$ or bottlefed\$ o
44	(MEDICAL HISTORY TAKING and (FEEDING BEHAVIOR or FEEDING METHODS or BREAST FEEDING or BOTTLE FEEDING or MEALS)).kw.
45	(history adj5 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$ or bottlefed\$ or feed\$) and eat\$) or meal\$)).tw,tx.
46	(WEANING and AGE FACTORS).kw.
47	(age? adj3 wean\$).tw,tx.
48	FOOD HABITS.kw.
49	((rang\$ or type? or different or divers\$ or habit?) adj2 food?).tw,tx.
50	DIET RECORDS.kw.
51	((food? or diet\$) adj2 (diary or diaries or record\$)).tw,tx.
52	(VIDEO RECORDING and (FEEDING BEHAVIOR or FEEDING METHODS or BREAST FEEDING or BOTTLE FEEDING or MEALS)).kw.
53	((video\$ or record\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$ or bottle fed\$ or feed\$) and eat\$) or meal\$)).tw,tx.
54	((eat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)).tw,tx.
55	(Children\$ eating behaviour questionnaire or CEBQ\$ or P?ediatric Eating Assessment Tool or Pedi-EAT or (Development and Well-Being Assessment) or DAWBA\$ or Behavio?ral P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?r Inventory or CEBI or Children\$ Feeding Assessment Questionnaire or CFAQ or Mealtime Behavio?r Questionnaire or MBQ or Montreal Children\$ Hospital Feeding Scale or MCH Feeding Scale).tw,tx.
56	or/42-55
57	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.
58	41 and 56
59	41 and 57
60	or/58-59

# E.5.5 Health Technology Assessment (HTA)

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
5	exp PEDIATRICS/
6	p?ediatric\$.tw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).tw.
10	FTT.tw.
11	(falter\$ adj3 (weight or grow\$)).tw.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw.

# 31 32 33	Searches  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
32	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
33	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
	//abildt an maaabaalt an maa aabaalt an taddlant an intant an maanatt an man tant an babina an mattaia? an
~ 4	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
41	or/37-40
42	13 or 24 or 36 or 41
43	(assess\$ or observ\$).ti. and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)
44	(assess\$ or observ\$).tw. and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)
45	((assess\$ or observ\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$ or bottle fed\$ or feed\$) and eat\$) or meal\$)).tw.
46	MEDICAL HISTORY TAKING/ and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)
47	(history adj5 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefed\$ or bottle fed\$ or feed\$) and eat\$) or meal\$)).tw.
48	WEANING/ and AGE FACTORS/
49 50	(age? adj3 wean\$).tw. *FOOD HABITS/
51	((rang\$ or type? or different or divers\$ or habit?) adj2 food?).tw.
52	DIET RECORDS/
53	((food? or diet\$) adj2 (diary or diaries or record\$)).tw.
54	exp VIDEO RECORDING/ and (FEEDING BEHAVIOR/ or FEEDING METHODS/ or BREAST FEEDING/ or BOTTLE FEEDING/ or MEALS/)
55	((video\$ or record\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefed\$ or bottlefed\$ or bottlefed\$ or bottlefed\$) and eat\$) or meal\$)).tw.
56	((eat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)).tw.
57	(Children\$ eating behaviour questionnaire or CEBQ\$ or P?ediatric Eating Assessment Tool or Pedi-EAT or (Development and Well-Being Assessment) or DAWBA\$ or Behavio?ral P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?r Inventory or CEBI or Children\$ Feeding Assessment Questionnaire or CFAQ or Mealtime Behavio?r Questionnaire or MBQ or Montreal Children\$ Hospital Feeding Scale or MCH Feeding Scale).tw.
58	or/43-57
59	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw.
60	42 and 58
61	42 and 59
62	or/60-61

#### E.5.6 Embase

#	Searches
1	PRESCHOOL CHILD/ or TODDLER/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti.ab.

#	Searches  (following a displayment and property) displayments.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11 7 and 12
13 14	*WEIGHT REDUCTION/
15	WEIGHT CHANGE/
16	WEIGHT FLUCTUATION/
17	WEIGHT VARIATION/
18	WASTING SYNDROME/
19	EMACIATION/
20	*ANOREXIA/
21	or/14-20
22	7 and 21
23	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *NUTRITIONAL DISORDER/
24	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *EATING DISORDER/
25 26	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *MALNUTRITION/ (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *GROWTH DISORDER/
27	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
21	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
28	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
00	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adi7 ((Slow\$ or insufficient\$) adi2 weight adi2 gain\$)).ti,ab.
30	((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
30	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
33	or/23-32
34	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
35	NEONATAL WEIGHT LOSS/
36	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss
20	or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
39 40	or/34-38 13 or 22 or 33 or 39
40	(assess\$ or observ\$).ti. and (FEEDING BEHAVIOR/ or FOOD INTAKE/ or exp INFANT FEEDING/ or MEAL/)
42	(assess\$ or observ\$).ab. /freq=2 and (*FEEDING BEHAVIOR/ or *FOOD INTAKE/ or exp *INFANT FEEDING/ or
72	*MEAL/)
43	((assess\$ or observ\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or
	bottlefed\$ or bottle fed\$ or feed\$) and eat\$) or meal\$)).ti,ab.
44	ANAMNESIS/ and (FEEDING BEHAVIOR/ or FOOD INTAKE/ or exp INFANT FEEDING/ or MEAL/)
45	(history adj5 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottle
40	fed\$ or feed\$) and eat\$) or meal\$)).ti,ab.
46	WEANING/ and AGE/
47 48	(age? adj3 wean\$).ti,ab. *EATING HABIT/ or *FOOD PREFERENCE/
49	((rang\$ or type? or different or divers\$ or habit?) adj2 food?).ti,ab.
50	((food? or diet\$) adj2 (diary or diaries or record\$)).ti,ab.
51	VIDEORECORDING/ and (FEEDING BEHAVIOR/ or FOOD INTAKE/ or exp INFANT FEEDING/ or MEAL/)
52	((video\$ or record\$) adj3 (((breastfeed\$ or breastfed\$ or breast fed\$ or (milk adj2 transfer\$) or bottlefeed\$ or bottlefeed\$ or bottlefeed\$ or bottlefed\$ or beat\$) and eat\$) or meal\$)).ti,ab.
53	((eat\$ or feed\$ or meal\$) adj3 (questionnaire? or scale? or tool?)).ti,ab.
54	(Children\$ eating behaviour questionnaire or CEBQ\$ or P?ediatric Eating Assessment Tool or Pedi-EAT or (Development and Well-Being Assessment) or DAWBA\$ or Behavio?ral P?ediatrics Feeding Assessment Scale or BPFAS or Child Eating Behavio?r Inventory or CEBI or Children\$ Feeding Assessment Questionnaire or CFAQ or Mealtime Behavio?r Questionnaire or MBQ or Montreal Children\$ Hospital Feeding Scale or MCH Feeding Scale).ti,ab.
55	or/41-54
56	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
57	40 and 55
58	40 and 56
59	or/57-58

#	Searches
60	limit 59 to english language
61	letter.pt. or LETTER/
62	note.pt.
63	editorial.pt.
64	CASE REPORT/ or CASE STUDY/
65	(letter or comment*).ti.
66	or/61-65
67	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
68	66 not 67
69	ANIMAL/ not HUMAN/
70	NONHUMAN/
71	exp ANIMAL EXPERIMENT/
72	exp EXPERIMENTAL ANIMAL/
73	ANIMAL MODEL/
74	exp RODENT/
75	(rat or rats or mouse or mice).ti.
76	or/68-75
77	60 not 76

# 2 E.6 Risk factors

# E.6.1 Medline and Medline In-Process & Other Non-Indexed Citations

#	Searches	
1	CHILD, PRESCHOOL/	
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.	
3	exp INFANT/	
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.	
5	exp PEDIATRICS/	
6	p?ediatric\$.ti,ab.	
7	or/1-6	
8	FAILURE TO THRIVE/	
9	(fail\$ adj2 thriv\$).ti,ab.	
10	FTT.ti,ab.	
11	(falter\$ adj3 (weight or grow\$)).ti,ab.	
12	or/8-11	
13	7 and 12	
14	*WEIGHT LOSS/	
15	WEIGHT LOSS/ph [Physiology]	
16	BODY WEIGHT CHANGES/	
17	BODY WEIGHT MAINTENANCE/	
18	IDEAL BODY WEIGHT/	
19	WASTING SYNDROME/	
20	*THINNESS/	
21	EMACIATION/	
22	ANOREXIA/	
23	or/14-22	
24	7 and 23	
25	*CHILD NUTRITION DISORDERS/	
26	*INFANT NUTRITION DISORDERS/	
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/	
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/	
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/	
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or	
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.	
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or	
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or	
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or	
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.	
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or	
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.	
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or	
0.4	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.	
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or	
0.5	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.	
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or	
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.	

#	Searches			
# 36	or/25-35			
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)			
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.			
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$			
	or physiolog\$))).ti,ab.			
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.			
41	or/37-40			
12	13 or 24 or 36 or 41			
13	*PREMATURE BIRTH/ or *INFANT, PREMATURE/ or *INFANT, EXTREMELY PREMATURE/			
14	((preterm or pre-term or prematur\$ or pre-matur\$) adj1 (birth\$ or born or infan\$ or neonat\$ or newborn\$ or baby or babies)).ti,ab.			
15	(pre#mie? or premie or premies).ti,ab.			
16	*FETAL GROWTH RETARDATION/			
17	((f?etus or f?etal or intrauter\$ or intra uter\$) adj3 (growth restrict\$ or growth retard\$)).ti,ab.			
18	(FGR or IUGR).ti,ab.			
19	exp *INFANT, LOW BIRTH WEIGHT/			
0	(low birth weight? or small for gestational age? or small for date? or SGA or LBW or VLBW or ELBW).ti,ab.			
51	or/43-50			
52	MEDICAL HISTORY TAKING/			
53	((family history or medical history) adj3 (fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$)).ti,ab.			
54	*DEVELOPMENTAL DISABILITIES/			
55	((development\$ or neurodevelopment\$ or milestone?) adj2 (delay\$ or late\$)).ti.			
56	((development\$ or neurodevelopment\$ or milestone?) adj2 (delay\$ or late\$)).ab. /freq=2			
57	*MATERNAL BEHAVIOR/			
58	*MOTHER-CHILD RELATIONS/			
59	DEPRESSION, POSTPARTUM/			
60	(MENTAL HEALTH/ or exp MENTAL DISORDERS/) and MOTHERS/			
61	((maternal\$ or mother? or postpartum or post partum or postnatal or post natal or puerper\$) adj3 (mental health or depress\$ or eating disorder? or anorexi\$ or bulimi\$)).ti,ab.			
62	(exp SUBSTANCE-RELATED DISORDERS/ or SMOKING/) and exp PARENTS/			
63	((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer? or family) adj3 (drug? or substance? or alcohol			
64	tobacco) adj3 (abus\$ or misus\$ or use\$ or disorder? or addict\$ or depend\$)).ti,ab.  ((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer? or family) adj1 (alcoholic\$ or smoker? or smoking)).ti,ab.			
65	*SOCIAL CLASS/			
36 36	*SOCIOECONOMIC FACTORS/			
67	((socioeconomic\$ or economic\$) adj (factor? or status\$ or level?)).ti.			
86	((socioeconomic\$ or economic\$) adj (factor? or status\$ or level?)).ab. /freq=2			
69	exp PARENTS/ and EDUCATIONAL STATUS/			
70	((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer?) adj3 (educat\$ or learn\$) adj3 (status\$ or level\$ or attain\$)).ti,ab.			
71	exp *CHILD ABUSE/			
72	((child\$ or infant? or baby or babies or physical or emotional or sexual) adj1 (abus\$ or neglect\$)).ti,ab.			
73	DIET, CARBOHYDRATE-RESTRICTED/ or DIET FADS/ or DIET, FAT-RESTRICTED/ or DIET, GLUTEN-FREE/ or DIET, PROTEIN-RESTRICTED/ or DIET, REDUCING/ or exp DIET, VEGETARIAN/			
74	((diet\$ or intake) adj3 (restrict\$ or reduc\$ or limit\$)).ti,ab.			
75	or/52-74			
76	exp COHORT STUDIES/			
77	CAUSALITY/			
78	exp RISK/			
79	(risk factor? or risk ratio? or odds ratio?).ti,ab.			
30	or/76-79			
31	predict.ti.			
32	(validat\$ or rule\$).ti,ab.			
33	(predict\$ and (outcome\$ or risk\$ or model\$)).ti,ab.			
34	((history or variable\$ or criteria or scor\$ or characteristic\$ or finding\$ or factor\$) and (predict\$ or model\$ or decision or identif\$ or prognos\$)).ti,ab.			
\-	decision\$.ti,ab. and LOGISTIC MODELS/			
35	(decision\$ and (model\$ or clinical\$)).ti,ab.			
86	(prognostic and (history or variables or criteria or scors or characteristics or findings or factors or models)).ti.ab.			
36 37				
36 37 38	(stratification or discrimination or discriminate or c statistic or "area under the curve" or AUC or calibration or indices or algorithm or multivariable).ti,ab.			
36 37 38 39	(stratification or discrimination or discriminate or c statistic or "area under the curve" or AUC or calibration or indices or algorithm or multivariable).ti,ab.  ROC CURVE/			
86 87 88 89	(stratification or discrimination or discriminate or c statistic or "area under the curve" or AUC or calibration or indices or algorithm or multivariable).ti,ab.  ROC CURVE/ or/81-89			
85 86 87 88 89 90 91	(stratification or discrimination or discriminate or c statistic or "area under the curve" or AUC or calibration or indices or algorithm or multivariable).ti,ab.  ROC CURVE/			

#	Searches
	Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Women's Survey" or "Born in
	Bradford").ti,ab.
94	*FAILURE TO THRIVE/ep, et [Epidemiology, Etiology]
95	or/91-94
96	limit 95 to english language
97	LETTER/
98	EDITORIAL/
99	NEWS/
100	exp HISTORICAL ARTICLE/
101	ANECDOTES AS TOPIC/
102	COMMENT/
103	CASE REPORT/
104	(letter or comment*).ti.
105	or/97-104
106	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
107	105 not 106
108	ANIMALS/ not HUMANS/
109	exp ANIMALS, LABORATORY/
110	exp ANIMAL EXPERIMENTATION/
111	exp MODELS, ANIMAL/
112	exp RODENTIA/
113	(rat or rats or mouse or mice).ti.
114	or/107-113
115	96 not 114

# 2 E.6.2 Cochrane Central Register of Controlled Trials (CCTR)

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,kw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab,kw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	
16	WEIGHT LOSS/ph [Physiology] BODY WEIGHT CHANGES/
17	BODY WEIGHT CHAINGES/ BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
-	
20 21	*THINNESS/ EMACIATION/
22	ANOREXIA/
23	or/14-22
	7 and 23
24 25	
25 26	*CHILD NUTRITION DISORDERS/ *INFANT NUTRITION DISORDERS/
-	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
27	
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or poor nutrition\$ or undernourish\$ or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.

#	Searches	
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.	
36	or/25-35	
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)	
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.	
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.	
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.	
41	or/37-40	
42	13 or 24 or 36 or 41	
43	*PREMATURE BIRTH/ or *INFANT, PREMATURE/ or *INFANT, EXTREMELY PREMATURE/ or PREMATURITY.kw.	
44	((preterm or pre-term or prematur\$ or pre-matur\$) adj1 (birth\$ or born or infan\$ or neonat\$ or newborn\$ or baby or babies)).ti,ab.	
45	(pre#mie? or premie or premies).ti,ab.	
46	*FETAL GROWTH RETARDATION/	
47	((f?etus or f?etal or intrauter\$ or intra uter\$) adj3 (growth restrict\$ or growth retard\$)).ti,ab,kw.	
48	(FGR or IUGR).ti,ab.	
49	exp *INFANT, LOW BIRTH WEIGHT/	
50	(low birth weight? or small for gestational age? or small for date? or SGA or LBW or VLBW or ELBW).ti,ab,kw.	
51	or/43-50	
52	MEDICAL HISTORY TAKING/ or FAMILY HISTORY.kw.	
53	((family history or medical history) adj3 (fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$)).ti,ab.	
54	*DEVELOPMENTAL DISABILITIES/ or DEVELOPMENTAL DISORDER.kw.	
55	((development\$ or neurodevelopment\$ or milestone?) adj (delay\$ or late\$)).ti,ab.	
56	*MATERNAL BEHAVIOR/ or MATERNAL BEHAVIOR.kw.	
57	*MOTHER-CHILD RELATIONS/ or MOTHER CHILD RELATION.kw.	
58	DEPRESSION, POSTPARTUM/ or PUERPERAL DEPRESSION.kw.	
59	((MENTAL HEALTH/ or exp MENTAL DISORDERS/) and MOTHERS/) or ((MENTAL HEALTH or MENTAL DISEASE) and MOTHER).kw.	
60	((maternal\$ or mother? or postpartum or post partum or postnatal or post natal or puerper\$) adj3 (mental health or depress\$ or eating disorder? or anorexi\$ or bulimi\$)).ti,ab.	
61	((exp SUBSTANCE-RELATED DISORDERS/ or SMOKING/) and exp PARENTS/) or ((SUBSTANCE ABSUSE or DRUG ABUSE or ALCOHOL ABUSE or ADDICTION or SMOKING) and PARENT).kw.	
62	((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer? or family) adj3 (drug? or substance? or alcohol of tobacco) adj3 (abus\$ or misus\$ or use\$ or disorder? or addict\$ or depend\$)).ti,ab.	
63	((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer? or family) adj1 (alcoholic\$ or smoker? or smoking)).ti,ab.	
64	*SOCIAL CLASS/ or SOCIAL CLASS.kw.	
65	*SOCIOECONOMIC FACTORS/ or SOCIOECONOMICS.kw.	
66	((socioeconomic\$ or economic\$) adj (factor? or status\$ or level?)).ti,ab.	
67 68	(exp PARENTS/ and EDUCATIONAL STATUS/) or (PARENT and EDUCATIONAL STATUS).kw. ((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer?) adj3 (educat\$ or learn\$) adj3 (status\$ or level\$	
	or attain\$)).ti,ab.	
69	exp *CHILD ABUSE/ or CHILD ABUSE.kw.	
70	((child\$ or infant? or baby or babies or physical or emotional or sexual) adj1 (abus\$ or neglect\$)).ti,ab.	
71	DIET, CARBOHYDRATE-RESTRICTED/ or DIET FADS/ or DIET, FAT-RESTRICTED/ or DIET, GLUTEN-FREE/ o DIET, PROTEIN-RESTRICTED/ or DIET, REDUCING/ or exp DIET, VEGETARIAN/ or DIET RESTRICTION.kw. or GLUTEN FREE DIET.kw. or LOW CALORY DIET.kw. or VEGETARIAN DIET.kw.	
72	((diet\$ or intake) adj3 (restrict\$ or reduc\$ or limit\$)).ti,ab.	
73	or/52-72	
74	exp COHORT STUDIES/ or COHORT ANALYSIS.kw. or FOLLOW UP.kw. or LONGITUDINAL STUDY.kw. or PROSPECTIVE STUDY.kw. or RETROSPECTIVE STUDY.kw.	
75	CAUSALITY/ or EPIDEMIOLOGY.kw. or DISEASE ASSOCIATION.kw.	
76	exp RISK/ or RISK.kw. or RISK FACTOR.kw.	
77	(risk factor? or risk ratio? or odds ratio?).ti,ab.	
78	or/74-77	
79	predict.ti.	
80	(validat\$ or rule\$).ti,ab.	
81	(predict\$ and (outcome\$ or risk\$ or model\$)).ti,ab.	
82	((history or variable\$ or criteria or scor\$ or characteristic\$ or finding\$ or factor\$) and (predict\$ or model\$ or decision or identif\$ or prognos\$)).ti,ab.	
83	decision\$.ti,ab. and (LOGISTIC MODELS/ or STATISTICAL MODEL.kw.)	
84	(decision\$ and (model\$ or clinical\$)).ti,ab.	
85	(prognostic and (history or variable\$ or criteria or scor\$ or characteristic\$ or finding\$ or factor\$ or model\$)).ti,ab.	
86	(stratification or discrimination or discriminate or c statistic or "area under the curve" or AUC or calibration or indices or algorithm or multivariable).ti,ab.	

#	Searches
88	or/79-87
89	42 and 51 and (*RISK FACTORS/ or RISK FACTOR.kw. or risk factor?.ti,ab.)
90	42 and 73 and (78 or 88)
91	42 and ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Women's Survey" or "Born in Bradford").ti,ab.
92	*FAILURE TO THRIVE/ep, et [Epidemiology, Etiology]
93	(FAILURE TO THRIVE ep or FAILURE TO THRIVE et).kw. [Epidemiology, Etiology]
94	or/89-93

### E.6.3 Cochrane Database of Systematic Reviews (CDSR)

	rane Database of Systematic Reviews (CDSR)			
#	Searches			
1	CHILD, PRESCHOOL.kw.			
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.			
3	INFANT.kw.			
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.			
5	PEDIATRICS.kw.			
6	p?ediatric\$.ti,ab.			
7	or/1-6			
8	FAILURE TO THRIVE.kw.			
9	(fail\$ adj2 thriv\$).ti,ab.			
10	FTT.ti,ab.			
11	(falter\$ adj3 (weight or grow\$)).ti,ab.			
12	or/8-11			
13	7 and 12			
14	WEIGHT LOSS.kw.			
15	BODY WEIGHT CHANGES.kw.			
16	BODY WEIGHT MAINTENANCE.kw.			
17	IDEAL BODY WEIGHT.kw.			
18	WASTING SYNDROME.kw.			
19	THINNESS.kw.			
20	EMACIATION.kw.			
21	ANOREXIA.kw.			
22	or/14-21			
23	7 and 22			
24	CHILD NUTRITION DISORDERS.kw.			
25	INFANT NUTRITION DISORDERS.kw.			
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.			
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.			
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.			
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.			
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.			
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.			
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.			
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.			
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.			
35	or/24-34			
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.			
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.			
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.			
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.			
40	or/36-39			
41	13 or 23 or 35 or 40			
42	(PREMATURE BIRTH or INFANT, PREMATURE or INFANT, EXTREMELY PREMATURE).kw.			
43	((preterm or pre-term or prematur\$ or pre-matur\$) adj1 (birth\$ or born or infan\$ or neonat\$ or newborn\$ or baby or			

#	Searches		
π	babies)).ab,ti.		
44	(pre#mie? or premie or premies).ab,ti.		
45	FETAL GROWTH RETARDATION.kw.		
46	((f?etus or f?etal or intrauter\$) adj3 (growth restrict\$ or growth retard\$)).ab,ti.		
47	(FGR or IUGR).ab,ti.		
48	INFANT, LOW BIRTH WEIGHT.kw.		
49	(low birth weight? or small for gestational age? or small for date? or SGA or LBW or VLBW or ELBW).ab,ti.		
50	or/42-49		
51	MEDICAL HISTORY TAKING.kw.		
52	((family history or medical history) adj3 (fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$)).ab,ti.		
53	DEVELOPMENTAL DISABILITIES.kw.		
54	((development\$ or neurodevelopment\$ or milestone?) adj (delay\$ or late\$)).ab,ti.		
55	((developments of neurodevelopments of milestone?) adj (delays of lates)).ab,ti.		
56	MATERNAL BEHAVIOR.kw. MOTHER-CHILD RELATIONS.kw.		
57	DEPRESSION, POSTPARTUM.kw.		
58	((MENTAL HEALTH or MENTAL DISORDERS) and MOTHERS).kw.		
59	((maternals or mother? or postpartum or post partum or postnatal or post natal or puerpers) adj3 (mental health or		
	depress\$ or eating disorder? or anorexi\$ or bulimi\$)).ab,ti.		
60	((SUBSTANCE-RELATED DISORDERS or SMOKING) and PARENTS).kw.		
61	((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer? or family) adj3 (drug? or substance? or alcohol or tobacco) adj3 (abus\$ or misus\$ or use\$ or disorder? or addict\$ or depend\$)).ab,ti.		
62	((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer? or family) adj1 (alcoholic\$ or smoker? or smoking)).ab,ti.		
63	SOCIAL CLASS.kw.		
64	SOCIOECONOMIC FACTORS.kw.		
65	((socioeconomic\$ or economic\$) adj (factor? or status\$ or level?)).ab,ti.		
66	(PARENTS and EDUCATIONAL STATUS).kw.		
67	((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer?) adj3 (educat\$ or learn\$) adj3 (status\$ or level\$ or attain\$)).ab,ti.		
68	CHILD ABUSE.kw.		
69	((child\$ or infant? or baby or babies or physical or emotional or sexual) adj1 (abus\$ or neglect\$)).ab,ti.		
70	(DIET, CARBOHYDRATE-RESTRICTED or DIET FADS or DIET, FAT-RESTRICTED or DIET, GLUTEN-FREE or DIET, PROTEIN-RESTRICTED or DIET, REDUCING or DIET, VEGETARIAN).kw.		
71	((diet\$ or intake) adj3 (restrict\$ or reduc\$ or limit\$)).ab,ti.		
72	or/51-71		
73	COHORT STUDIES.kw.		
74	CAUSALITY.kw.		
75	RISK.kw.		
76	(risk factor? or risk ratio? or odds ratio?).ab,ti.		
77	or/73-76		
78	predict.ti.		
79	(validat\$ or rule\$).ab,ti.		
80	(predict\$ and (outcome\$ or risk\$ or model\$)).ab,ti.		
81	((history or variable\$ or criteria or scor\$ or characteristic\$ or finding\$ or factor\$) and (predict\$ or model\$ or decision\$ or identif\$ or prognos\$)).ab,ti.		
82	decision\$.ab,ti. and LOGISTIC MODELS.kw.		
83	(decision\$ and (model\$ or clinical\$)).ab,ti.		
84	(prognostic and (history or variable\$ or criteria or scor\$ or characteristic\$ or finding\$ or factor\$ or model\$)).ab,ti.		
85	(stratification or discrimination or discriminate or c statistic or "area under the curve" or AUC or calibration or indices or algorithm or multivariable).ab,ti.		
86	ROC CURVE.kw.		
87	or/78-86		
88	41 and 50 and (RISK FACTORS.kw. or risk factor?.ab,ti.)		
89	41 and 72 and (77 or 87)		
90	41 and ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Women's Survey" or "Born in Bradford").ab,ti.		
91	or/88-90		

# 2 E.6.4 Database of Abstracts of Reviews of Effects (DARE)

#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw,tx.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw,tx.
5	PEDIATRICS.kw.
6	p?ediatric\$.tw,tx.
7	07/1-6

#	Searches  FAILURE TO TURNYE Inv.
8	FAILURE TO THRIVE.kw. (fail\$ adj2 thriv\$).tw,tx.
10	FTT.tw,tx.
11	(falter\$ adj3 (weight or grow\$)).tw,tx.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17 18	IDEAL BODY WEIGHT.kw. WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24 25	CHILD NUTRITION DISORDERS.kw. INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw,tx.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw,tx.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw,tx.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw,tx.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
00	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw,tx.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw,tx.
35	or/24-34
36 37	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
31	dehyrat\$)).tw,tx.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
39	physiolog\$))).tw,tx. ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$"
39	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
40	or/36-39
41	13 or 23 or 35 or 40
42	(PREMATURE BIRTH or INFANT, PREMATURE or INFANT, EXTREMELY PREMATURE).kw.
43	((preterm or pre-term or prematur\$ or pre-matur\$) adj1 (birth\$ or born or infan\$ or neonat\$ or newborn\$ or baby or babies)).tw,tx.
44	(pre#mie? or premie or premies).tw,tx.
45	FETAL GROWTH RETARDATION.kw.
46	((f?etus or f?etal or intrauter\$ or intra uter\$) adj3 (growth restrict\$ or growth retard\$)).tw,tx.
47	(FGR or IUGR).tw,tx.
48	INFANT, LOW BIRTH WEIGHT.kw.
49 50	(low birth weight? or small for gestational age? or small for date? or SGA or LBW or VLBW or ELBW).tw,tx. or/42-49
51	MEDICAL HISTORY TAKING.kw.
52	((family history or medical history) adj3 (fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$)).tw,tx.
53	DEVELOPMENTAL DISABILITIES.kw.
54	((development\$ or neurodevelopment\$ or milestone?) adj (delay\$ or late\$)).tw,tx.
55	MATERNAL BEHAVIOR.kw.
56	MOTHER-CHILD RELATIONS.kw.
57 58	DEPRESSION, POSTPARTUM.kw. ((MENTAL HEALTH or MENTAL DISORDERS) and MOTHERS).kw.
59	((maternal\$ or mother? or postpartum or post partum or postnatal or post natal or puerper\$) adj3 (mental health or
0.5	depress\$ or eating disorder? or anorexi\$ or bulimi\$)).tw,tx.
60	((SUBSTANCE-RELATED DISORDERS or SMOKING) and PARENTS).kw.
61	((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer? or family) adj3 (drug? or substance? or alcohol or
62	tobacco) adj3 (abus\$ or misus\$ or use\$ or disorder? or addict\$ or depend\$)).tw,tx. ((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer? or family) adj1 (alcoholic\$ or smoker? or
02	((parents or mother? or maternals or rather? or paternals or carer? or ramily) adj1 (alcoholics or smoker? or smoking)).tw,tx.

# Searches 63 SOCIAL CLASS.kw. 64 SOCIOECONOMIC FACTORS.kw. 65 ((socioeconomic\$ or economic\$) adj (factor? or status\$ or level?)).tw 66 (PARENTS and EDUCATIONAL STATUS).kw. 67 ((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer?) attain\$)).tw,tx. 68 CHILD ABUSE.kw. 69 ((child\$ or infant? or baby or babies or physical or emotional or sexu 70 (DIET, CARBOHYDRATE-RESTRICTED or DIET FADS or DIET, FA DIET, PROTEIN-RESTRICTED or DIET, REDUCING or DIET, VEG 71 ((diet\$ or intake) adj3 (restrict\$ or reduc\$ or limit\$)).tw,tx. 72 or/51-71 73 COHORT STUDIES.kw. 74 CAUSALITY.kw. 75 RISK.kw. 76 (risk factor? or risk ratio? or odds ratio?).tw,tx.	
<ul> <li>SOCIOECONOMIC FACTORS.kw.</li> <li>((socioeconomic\$ or economic\$) adj (factor? or status\$ or level?)).tw</li> <li>(PARENTS and EDUCATIONAL STATUS).kw.</li> <li>((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer?) attain\$)).tw,tx.</li> <li>CHILD ABUSE.kw.</li> <li>((child\$ or infant? or baby or babies or physical or emotional or sexu</li> <li>(DIET, CARBOHYDRATE-RESTRICTED or DIET FADS or DIET, FADIET, PROTEIN-RESTRICTED or DIET, REDUCING or DIET, VEGI</li> <li>((diet\$ or intake) adj3 (restrict\$ or reduc\$ or limit\$)).tw,tx.</li> <li>or/51-71</li> <li>COHORT STUDIES.kw.</li> <li>CAUSALITY.kw.</li> <li>RISK.kw.</li> <li>(risk factor? or risk ratio? or odds ratio?).tw,tx.</li> </ul>	
<ul> <li>((socioeconomic\$ or economic\$) adj (factor? or status\$ or level?)).tw</li> <li>((PARENTS and EDUCATIONAL STATUS).kw.</li> <li>(((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer?) attain\$)).tw,tx.</li> <li>CHILD ABUSE.kw.</li> <li>((child\$ or infant? or baby or babies or physical or emotional or sexu</li> <li>(DIET, CARBOHYDRATE-RESTRICTED or DIET FADS or DIET, FADIET, PROTEIN-RESTRICTED or DIET, REDUCING or DIET, VEGI</li> <li>((diet\$ or intake) adj3 (restrict\$ or reduc\$ or limit\$)).tw,tx.</li> <li>or/51-71</li> <li>COHORT STUDIES.kw.</li> <li>CAUSALITY.kw.</li> <li>RISK.kw.</li> <li>(risk factor? or risk ratio? or odds ratio?).tw,tx.</li> </ul>	
<ul> <li>(PARENTS and EDUCATIONAL STATUS).kw.</li> <li>((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer?) attain\$)).tw,tx.</li> <li>CHILD ABUSE.kw.</li> <li>((child\$ or infant? or baby or babies or physical or emotional or sexu (DIET, CARBOHYDRATE-RESTRICTED or DIET FADS or DIET, FADIET, PROTEIN-RESTRICTED or DIET, REDUCING or DIET, VEGI ((diet\$ or intake) adj3 (restrict\$ or reduc\$ or limit\$)).tw,tx.</li> <li>or/51-71</li> <li>COHORT STUDIES.kw.</li> <li>CAUSALITY.kw.</li> <li>RISK.kw.</li> <li>(risk factor? or risk ratio? or odds ratio?).tw,tx.</li> </ul>	
<ul> <li>((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer?) attain\$)).tw,tx.</li> <li>CHILD ABUSE.kw.</li> <li>((child\$ or infant? or baby or babies or physical or emotional or sexu</li> <li>(DIET, CARBOHYDRATE-RESTRICTED or DIET FADS or DIET, FADIET, PROTEIN-RESTRICTED or DIET, REDUCING or DIET, VEGI</li> <li>((diet\$ or intake) adj3 (restrict\$ or reduc\$ or limit\$)).tw,tx.</li> <li>or/51-71</li> <li>COHORT STUDIES.kw.</li> <li>CAUSALITY.kw.</li> <li>RISK.kw.</li> <li>(risk factor? or risk ratio? or odds ratio?).tw,tx.</li> </ul>	adj3 (educat\$ or learn\$) adj3 (status\$ or level\$ or
attain\$)).tw,tx.  68 CHILD ABUSE.kw.  69 ((child\$ or infant? or baby or babies or physical or emotional or sexu  70 (DIET, CARBOHYDRATE-RESTRICTED or DIET FADS or DIET, FA DIET, PROTEIN-RESTRICTED or DIET, REDUCING or DIET, VEGI  71 ((diet\$ or intake) adj3 (restrict\$ or reduc\$ or limit\$)).tw,tx.  72 or/51-71  73 COHORT STUDIES.kw.  74 CAUSALITY.kw.  75 RISK.kw.  76 (risk factor? or risk ratio? or odds ratio?).tw,tx.	adj3 (educat\$ or learn\$) adj3 (status\$ or level\$ or
<ul> <li>((child\$ or infant? or baby or babies or physical or emotional or sexu</li> <li>(DIET, CARBOHYDRATE-RESTRICTED or DIET FADS or DIET, FADIET, PROTEIN-RESTRICTED or DIET, REDUCING or DIET, VEGI</li> <li>((diet\$ or intake) adj3 (restrict\$ or reduc\$ or limit\$)).tw,tx.</li> <li>or/51-71</li> <li>COHORT STUDIES.kw.</li> <li>CAUSALITY.kw.</li> <li>RISK.kw.</li> <li>(risk factor? or risk ratio? or odds ratio?).tw,tx.</li> </ul>	
70 (DIET, CARBOHYDRATE-RESTRICTED or DIET FADS or DIET, FADIET, PROTEIN-RESTRICTED or DIET, REDUCING or DIET, VEGI 71 ((diet\$ or intake) adj3 (restrict\$ or reduc\$ or limit\$)).tw,tx. 72 or/51-71 73 COHORT STUDIES.kw. 74 CAUSALITY.kw. 75 RISK.kw. 76 (risk factor? or risk ratio? or odds ratio?).tw,tx.	
DIET, PROTEIN-RESTRICTED or DIET, REDUCING or DIET, VEGI ((diet\$ or intake) adj3 (restrict\$ or reduc\$ or limit\$)).tw,tx.  reducts or intake) adj3 (restrict\$ or reduc\$ or limit\$)).tw,tx.  COHORT STUDIES.kw.  CAUSALITY.kw.  RISK.kw.  (risk factor? or risk ratio? or odds ratio?).tw,tx.	, , , , , ,
72 or/51-71 73 COHORT STUDIES.kw. 74 CAUSALITY.kw. 75 RISK.kw. 76 (risk factor? or risk ratio? or odds ratio?).tw,tx.	
<ul> <li>73 COHORT STUDIES.kw.</li> <li>74 CAUSALITY.kw.</li> <li>75 RISK.kw.</li> <li>76 (risk factor? or risk ratio? or odds ratio?).tw,tx.</li> </ul>	
<ul> <li>74 CAUSALITY.kw.</li> <li>75 RISK.kw.</li> <li>76 (risk factor? or risk ratio? or odds ratio?).tw,tx.</li> </ul>	
<ul><li>75 RISK.kw.</li><li>76 (risk factor? or risk ratio? or odds ratio?).tw,tx.</li></ul>	
76 (risk factor? or risk ratio? or odds ratio?).tw,tx.	
77 or/73-76	
78 predict.ti.	
79 (validat\$ or rule\$).tw,tx.	
80 (predict\$ and (outcome\$ or risk\$ or model\$)).tw,tx.	
81 ((history or variable\$ or criteria or scor\$ or characteristic\$ or finding\$ or identif\$ or prognos\$)).tw,tx.	or factor\$) and (predict\$ or model\$ or decision\$
82 decision\$.tw,tx. and LOGISTIC MODELS.kw.	
83 (decision\$ and (model\$ or clinical\$)).tw,tx.	
84 (prognostic and (history or variable\$ or criteria or scor\$ or characteri	stic\$ or finding\$ or factor\$ or model\$)).tw,tx.
85 (stratification or discrimination or discriminate or c statistic or "area u algorithm or multivariable).tw,tx.	nder the curve" or AUC or calibration or indices or
86 ROC CURVE.kw.	
87 or/78-86	
88 41 and 50 and (RISK FACTORS.kw. or risk factor?.tw,tx.)	
89 41 and 72 and (77 or 87)	
90 41 and ("Avon Longitudinal Study of Parents and Children" or ALSP/ Millennium Study" or "Millennium Baby Study" or "Generation R" or " Bradford").tw,tx.	
91 or/88-90	

E.6.5 Health Technology Assessment (HTA)

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
5	exp PEDIATRICS/
6	p?ediatric\$.tw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).tw.
10	FTT.tw.
11	(falter\$ adj3 (weight or grow\$)).tw.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or

#	Searches
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw. or/37-40
41 42	13 or 24 or 36 or 41
42	*PREMATURE BIRTH/ or *INFANT, PREMATURE/ or *INFANT, EXTREMELY PREMATURE/
44	((preterm or pre-term or pre-matur\$) adj1 (birth\$ or born or infan\$ or neonat\$ or newborn\$ or baby or babies)).tw.
45	(pre#mie? or premie or premies).tw.
46	*FETAL GROWTH RETARDATION/
47	((f?etus or f?etal or intrauter\$ or intra uter\$) adj3 (growth restrict\$ or growth retard\$)).tw.
48	(FGR or IUGR).tw.
49	exp *INFANT, LOW BIRTH WEIGHT/
50	(low birth weight? or small for gestational age? or small for date? or SGA or LBW or VLBW or ELBW).tw.
51	or/43-50
52	MEDICAL HISTORY TAKING/
53	((family history or medical history) adj3 (fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$)).tw.
54	*DEVELOPMENTAL DISABILITIES/
55	((development\$ or neurodevelopment\$ or milestone?) adj (delay\$ or late\$)).tw.
56	*MATERNAL BEHAVIOR/
57	*MOTHER-CHILD RELATIONS/
58	DEPRESSION, POSTPARTUM/
59	(MENTAL HEALTH/ or exp MENTAL DISORDERS/) and MOTHERS/
60	((maternal\$ or mother? or postpartum or post partum or postnatal or post natal or puerper\$) adj3 (mental health or depress\$ or eating disorder? or anorexi\$ or bulimi\$)).tw.
61 62	(exp SUBSTANCE-RELATED DISORDERS/ or SMOKING/) and exp PARENTS/ ((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer? or family) adj3 (drug? or substance? or alcohol or tobacco) adj3 (abus\$ or misus\$ or use\$ or disorder? or addict\$ or depend\$)).tw.
63	((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer? or family) adj1 (alcoholic\$ or smoker? or smoking)).tw.
64	*SOCIAL CLASS/
65	*SOCIOECONOMIC FACTORS/
66	((socioeconomic\$ or economic\$) adj (factor? or status\$ or level?)).tw.
67 68	exp PARENTS/ and EDUCATIONAL STATUS/ ((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer?) adj3 (educat\$ or learn\$) adj3 (status\$ or level\$ or attain\$)).tw.
69	exp *CHILD ABUSE/
70	((child\$ or infant? or baby or babies or physical or emotional or sexual) adj1 (abus\$ or neglect\$)).tw.
71	DIET, CARBOHYDRATE-RESTRICTED/ or DIET FADS/ or DIET, FAT-RESTRICTED/ or DIET, GLUTEN-FREE/ or DIET, PROTEIN-RESTRICTED/ or DIET, REDUCING/ or exp DIET, VEGETARIAN/
72	((diet\$ or intake) adj3 (restrict\$ or reduc\$ or limit\$)).tw.
73	or/52-72
74	exp COHORT STUDIES/
75	CAUSALITY/
76	exp RISK/
77	(risk factor? or risk ratio? or odds ratio?).tw.
78	or/74-77
79	predict.ti.
80	(validat\$ or rule\$).tw.
81	(predict\$ and (outcome\$ or risk\$ or model\$)).tw.
82	((history or variable\$ or criteria or scor\$ or characteristic\$ or finding\$ or factor\$) and (predict\$ or model\$ or decision\$ or identif\$ or prognos\$)).tw.

-	
#	Searches
83	decision\$.tw. and LOGISTIC MODELS/
84	(decision\$ and (model\$ or clinical\$)).tw.
85	(prognostic and (history or variable\$ or criteria or scor\$ or characteristic\$ or finding\$ or factor\$ or model\$)).tw.
86	(stratification or discrimination or discriminate or c statistic or "area under the curve" or AUC or calibration or indices or algorithm or multivariable).tw.
87	ROC CURVE/
88	or/79-87
89	42 and 51 and (*RISK FACTORS/ or risk factor?.tw.)
90	42 and 73 and (78 or 88)
91	42 and ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Women's Survey" or "Born in Bradford").tw.
92	*FAILURE TO THRIVE/ep, et [Epidemiology, Etiology]
93	0r/89-92

#### 2 **E.6.6 Embase**

#	Searches
1	PRESCHOOL CHILD/ or TODDLER/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT REDUCTION/
15	WEIGHT CHANGE/
16	WEIGHT FLUCTUATION/
17	WEIGHT VARIATION/
18	WASTING SYNDROME/
19	EMACIATION/
20	*ANOREXIA/
21	or/14-20
22	7 and 21
23	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *NUTRITIONAL DISORDER/
24	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *EATING DISORDER/
25	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *MALNUTRITION/
26	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *GROWTH DISORDER/
27	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))),ti,ab.
28	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
33	or/23-32
34	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
35	NEONATAL WEIGHT LOSS/
36	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$
20	or physiolog\$))).ti,ab.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or losing or reducts or decrees or losing or reducts or losing or
	or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.

#	Searches
39 40	or/34-38 13 or 22 or 33 or 39
41	*PREMATURITY/
42	((preterm or pre-term or pre-matur\$) adj1 (birth\$ or born or infan\$ or neonat\$ or newborn\$ or baby or babies)).ti,ab.
43	(pre#mie? or premie or premies).ti,ab.
44	*INTRAUTERINE GROWTH RETARDATION/
45	((f?etus or f?etal or intrauter\$ or intra uter\$) adj3 (growth restrict\$ or growth retard\$)).ti,ab.
46	(FGR or IUGR).ti,ab. exp *LOW BIRTH WEIGHT/
47 48	(low birth weight? or small for gestational age? or small for date? or SGA or LBW or VLBW or ELBW).ti,ab.
49	or/41-48
50	*FAMILY HISTORY/
51	((family history or medical history) adj3 (fail\$ or falter\$) adj3 (thriv\$ or weight or grow\$)).ti,ab.
52	*DEVELOPMENTAL DISORDER/
53	((development\$ or neurodevelopment\$ or milestone?) adj2 (delay\$ or late\$)).ti.
54	((development\$ or neurodevelopment\$ or milestone?) adj2 (delay\$ or late\$)).ab. /freq=2
55 56	*MATERNAL BEHAVIOR/ or *MOTHER CHILD RELATION/ *PUERPERAL DEPRESSION/
56 57	(*MENTAL HEALTH/ or exp *MENTAL DISEASE/) and *MOTHER/
58	((maternal\$ or mother? or postpartum or post partum or postnatal or post natal or puerper\$) adj3 (mental health or
59	depress\$ or eating disorder? or anorexi\$ or bulimi\$)).ti,ab.  (*SUBSTANCE ABSUSE/ or exp *DRUG ABUSE/ or exp *ALCOHOL ABUSE/ or *ADDICTION/ or exp *SMOKING/)
	and exp *PARENT/
60	((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer? or family) adj3 (drug? or substance? or alcohol or tobacco) adj3 (abus\$ or misus\$ or use\$ or disorder? or addict\$ or depend\$)).ti,ab.
61	((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer? or family) adj1 (alcoholic\$ or smoker? or smoking)).ti,ab.  *SOCIAL CLASS/ or *SOCIOECONOMICS/
62 63	((socioeconomic\$) adj (factor? or status\$ or level?)).ti.
64	((socioeconomic\$) adj (factor? or status\$ or level?)).ab. /freq=2
65	exp *PARENT/ and *EDUCATIONAL STATUS/
66	((parent\$ or mother? or maternal\$ or father? or paternal\$ or carer?) adj3 (educat\$ or learn\$) adj3 (status\$ or level\$ or attain\$)).ti,ab.
67	exp *CHILD ABUSE/
68	((child\$ or infant? or baby or babies or physical or emotional or sexual) adj1 (abus\$ or neglect\$)).ti,ab.
69	exp *DIET RESTRICTION/ or *GLUTEN FREE DIET/ or *LOW CALORY DIET/ or exp *VEGETARIAN DIET/
70 71	((diet\$ or intake) adj3 (restrict\$ or reduc\$ or limit\$)).ti,ab.
72	*COHORT ANALYSIS/ or *FOLLOW UP/ or *LONGITUDINAL STUDY/ or *PROSPECTIVE STUDY/ or *RETROSPECTIVE STUDY/
73	*EPIDEMIOLOGY/ or *DISEASE ASSOCIATION/
74	*RISK/ or *RISK FACTOR/
75	(risk factor? or risk ratio? or odds ratio?).ti,ab.
76	or/72-75
77 78	predict.ti. (validat\$ or rule\$).ti,ab.
79	(predict\$ and (outcome\$ or risk\$ or model\$)).ti,ab.
80	((history or variable\$ or criteria or scor\$ or characteristic\$ or finding\$ or factor\$) and (predict\$ or model\$ or decision\$ or identif\$ or prognos\$)).ti,ab.
81	decision\$.ti,ab. and STATISTICAL MODEL/
82	(decision\$ and (model\$ or clinical\$)).ti,ab.
83	(prognostic and (history or variable\$ or criteria or scor\$ or characteristic\$ or finding\$ or factor\$ or model\$)).ti,ab.
84	(stratification or discrimination or discriminate or c statistic or "area under the curve" or AUC or calibration or indices or algorithm or multivariable).ti,ab.
85 86	RECEIVER OPERATING CHARACTERISTIC/ or/77-85
87	40 and 49 and (*RISK FACTOR/ or risk factor?.ti,ab.)
88	40 and 71 and (76 or 86)
89	40 and ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Women's Survey" or "Born in Bradford").ti,ab.
90	*FAILURE TO THRIVE/ep, et [Epidemiology, Etiology]
91 92	or/87-90 limit 91 to english language
93	letter.pt. or LETTER/
94	note.pt.
95	editorial.pt.
96	CASE REPORT/ or CASE STUDY/
97	(letter or comment*).ti.
98	or/93-97

#	Searches
99	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
100	98 not 99
101	ANIMAL/ not HUMAN/
102	NONHUMAN/
103	exp ANIMAL EXPERIMENT/
104	exp EXPERIMENTAL ANIMAL/
105	ANIMAL MODEL/
106	exp RODENT/
107	(rat or rats or mouse or mice).ti.
108	or/100-107
109	92 not 108

# E.7 Prevalence of specific causative conditions

#### E.7.1 Medline and Medline In-Process & Other Non-Indexed Citations

#	Searches
1	META-ANALYSIS/
2	META-ANALYSIS AS TOPIC/
3	(meta analy* or metanaly* or metaanaly*).ti,ab.
4	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
5	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
6	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
7	(search* adj4 literature).ab.
8	(medline or pubmed or cochrane or embase or psychlit or psychinfo or psycinfo or cinahl or science citation
0	index or bids or cancerlit).ab.
9	cochrane.jw.
10	or/1-9
11	PREVALENCE/
12	INCIDENCE/
13	exp MODELS, STATISTICAL/
14	(prevalen\$ or incidence? or model\$ or rate?).ti.
15	((prevalen\$ or incidence? or transversal\$) adj3 (study or studies)).ti,ab.
16	COHORT STUDIES/
17	(cohort adj3 (study or studies)).ti,ab.
18	(cohort adj3 analy\$).ti,ab.
19	FOLLOW-UP STUDIES/
20	(follow\$ up adj3 (study or studies)).ti,ab.
21	LONGITUDINAL STUDIES/
22	longitudinal\$.ti,ab.
23	PROSPECTIVE STUDIES/
24	prospective\$.ti,ab.
25	RETROSPECTIVE STUDIES/
26	retrospective\$.ti,ab.
27	CROSS-SECTIONAL STUDIES/
28	cross-sectional\$.ti,ab.
29	MULTICENTER STUDIES/
30	((multicent\$ or multi\$ cent\$) adj3 (study or studies)).ti,ab.
31	REGISTRIES/
32	(registr\$ or register?).ti,ab.
33	or/11-32
34	CHILD, PRESCHOOL/
35	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
36	exp INFANT/
37	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
38	exp PEDIATRICS/
39	p?ediatric\$.ti,ab.
40	prediamos.ii,ab.
40	FAILURE TO THRIVE/
42	
42	(fail\$ adj2 thriv\$).ti,ab.
_	FTT.ti,ab.
44	(falter\$ adj3 (weight or grow\$)).ti,ab.
45	or/41-44
46	40 and 45
47	*WEIGHT LOSS/
48	WEIGHT LOSS/ph [Physiology]
49	BODY WEIGHT CHANGES/

#	Searches  PORYAMETOLIT MAINTENANCE (
50	BODY WEIGHT MAINTENANCE/
51 52	IDEAL BODY WEIGHT/ WASTING SYNDROME/
53	*THINNESS/
54	EMACIATION/
55	ANOREXIA/
56	or/47-55
57	40 and 56
58	*CHILD NUTRITION DISORDERS/
59	*INFANT NUTRITION DISORDERS/
60	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
61 62	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/ (CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
63	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
64	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
65	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
0.5	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
66	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
67	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
60	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
68	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
69	or/58-68
70	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
71	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
	dehyrat\$)).ti,ab.
72	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
73	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or
	"12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss
	or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
74	or/70-73
75 76	46 or 57 or 69 or 74 CELIAC DISEASE/
76 77	((coeliac or celiac) adj (disease? or syndrome?)).ti,ab.
78	((coeliac or celiac) adj (disease: or syndrome:)).ti,ab.
79	(gluten adj2 (enteropath\$ or sensitiv\$ or hypersensitiv\$ or intoleran\$)).ti,ab.
80	((nontropical or non tropical) adj sprue).ti,ab.
81	((glutenin or gliadin) adj2 (sensitiv\$ or hypersensitiv\$ or intoleran\$)).ti,ab.
82	((infant\$ or indigenous) adj3 sprue).ti,ab.
83	((wheat or rye or barley) adj2 (sensitiv\$ or hypersensitiv\$ or intoleran\$)).ti,ab.
84 85	endemic sprue.ti,ab. or/76-84
86	HYPOTHYROIDISM/
87	CONGENITAL HYPOTHYROIDISM/
88	hypothyroidism.ti,ab.
89	cretin\$.ti,ab.
90	(thyroid adj3 (deficien\$ or failure or insufficiency)).ti,ab.
91	((underactive or under-active) adj3 thyroid).ti,ab.
92 93	or/86-91 RENAL INSUFFICIENCY, CHRONIC/
93	ACIDOSIS, RENAL TUBULAR/
95	(chronic adj (kidney disease or kidney insufficien\$)).ti,ab.
96	(chronic adj (renal disease or renal insufficien\$)).ti,ab.
97	chronic nephropath\$.ti,ab.
98	(progressive adj (kidney disease or kidney insufficien\$)).ti,ab.
99	(progressive adj (renal disease or renal insufficien\$)).ti,ab.
100	progressive nephropath\$.ti,ab.
101 102	(renal tubular adj1 acidosis).ti,ab. *KIDNEY FAILURE, CHRONIC/
102	(kidney failure or renal failure).ti.
104	(kidney failure or renal failure).ab. /freq=2
105	or/93-104
106	exp URINARY TRACT INFECTIONS/
107	UTI?.ti,ab.

#	Searches
108	urinary tract infection\$.ti,ab.
109	(bacteriuria\$ or pyuria or schistosomiasis).ti,ab.
110	((bacterials or microbials) adj3 (bladders or genitourins or kidneys or renals or ureters or ureths or urins or urologs
110	or urogen\$)).ti,ab.
111	(genitourinary tract infection\$ or genito-urinary tract infection\$).ti,ab.
112	or/106-111
113	(("no" or "not" or lack\$) adj3 (sign? or symtom?)).ti,ab.
114	(("no" or "not" or "non") adj3 disorder?).ti,ab.
115	(("no" or "not" or "non") adj2 caus\$).ti.
116	(("no" or "not" or "non") adj2 caus\$).ab. /freq=2
117	((non-identif\$ or unidentifi\$ or non-specifi\$) adj3 disorder).ti,ab.
118	((non-identif\$ or unidentif\$ or non-specifi\$) adj2 caus\$).ti.
119	((non-identif\$ or unidentifi\$ or non-specifi\$) adj2 caus\$).ab. /freq=2
120	(organic adj3 disorder?).ti,ab.
121	(without adj3 underlying).ti,ab.
122	or/113-121
123	85 or 92 or 105 or 112 or 122
124	75 and 123
125	limit 124 to english language
126	LETTER/
127	EDITORIAL/
128	NEWS/
129	exp HISTORICAL ARTICLE/
130	ANECDOTES AS TOPIC/
131	COMMENT/
132	CASE REPORT/
133	(letter or comment*).ti.
134	or/126-133
135	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
136	134 not 135
137	ANIMALS/ not HUMANS/
138	exp ANIMALS, LABORATORY/
139	exp ANIMAL EXPERIMENTATION/
140	exp MODELS, ANIMAL/
141	exp RODENTIA/
142	(rat or rats or mouse or mice).ti.
143	or/136-142
144	125 not 143
145	10 and 144
146	33 and 144
147	or/145-146

E.7.2 Cochrane Central Register of Controlled Trials (CCTR)

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,kw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab,kw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22

#	Searches
24 25	7 and 23 *CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
24	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or poor nutrition\$ or undernourish\$ or underweight? or ((feed\$ or eat\$ or
	nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or
	stunted)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
33	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab. ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
33	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
36	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab. or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
	dehyrat\$)).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or
.0	"12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss
	or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
41	or/37-40
42 43	13 or 24 or 36 or 41 CELIAC DISEASE.sh,kw.
44	((coeliac or celiac) adj (disease? or syndrome?)).ti,ab.
45	((coeliac or celiac) adj (sprue).ti,ab.
46	(gluten adj2 (enteropath\$ or sensitiv\$ or hypersensitiv\$ or intoleran\$)).ti,ab.
47	((nontropical or non tropical) adj sprue).ti,ab.
48	((glutenin or gliadin) adj2 (sensitiv\$ or hypersensitiv\$ or intoleran\$)).ti,ab.
49 50	((infant\$ or indigenous) adj3 sprue).ti,ab. ((wheat or rye or barley) adj2 (sensitiv\$ or hypersensitiv\$ or intoleran\$)).ti,ab.
51	endemic sprue.ti,ab.
52	or/43-51
53	HYPOTHYROIDISM.sh,kw.
54	CONGENITAL HYPOTHYROIDISM.sh,kw.
55	hypothyroidism.ti,ab.
56 57	cretin\$.ti,ab. (thyroid adj3 (deficien\$ or failure or insufficiency)).ti,ab.
58	((underactive or under-active) adj3 thyroid).ti,ab.
59	or/53-58
60	RENAL INSUFFICIENCY, CHRONIC/ or CHRONIC KIDNEY FAILURE.kw.
61	ACIDOSIS, RENAL TUBULAR/ or KIDNEY TUBULE ACIDOSIS.kw.
62 63	(chronic adj (kidney disease or kidney insufficien\$)).ti,ab. (chronic adj (renal disease or renal insufficien\$)).ti,ab.
64	chronic adj (renai disease or renai insufficien\$)).ti,ab.
65	(progressive adj (kidney disease or kidney insufficien\$)).ti,ab.
66	(progressive adj (renal disease or renal insufficien\$)).ti,ab.
67	progressive nephropath\$.ti,ab.
68	(renal tubular adj1 acidosis).ti,ab.
69 70	*KIDNEY FAILURE, CHRONIC/ (kidney failure or renal failure).ti.
71	(kidney failure or renal failure).til.  (kidney failure or renal failure).ab. /freq=2
72	or/60-71
73	exp URINARY TRACT INFECTIONS/ or URINARY TRACT INFECTION.kw.
74	UTI?.ti,ab.
75	urinary tract infection\$.ti,ab.
76 77	(bacteriuria\$ or pyuria or schistosomiasis).ti,ab. ((bacteria\$ or microbial\$) adj3 (bladder\$ or genitourin\$ or kidney\$ or renal\$ or ureter\$ or ureth\$ or urin\$ or urolog\$
	or urogen\$)).ti,ab.
78	(genitourinary tract infection\$ or genito-urinary tract infection\$).ti,ab.
79	or/73-78
80	(("no" or "not" or lack\$) adj3 (sign? or symtom?)).ti,ab.

#	Searches
81	(("no" or "not" or "non") adj3 disorder?).ti,ab.
82	(("no" or "not" or "non") adj2 caus\$).ti.
83	(("no" or "not" or "non") adj2 caus\$).ab. /freq=2
84	((non-identif\$ or unidentifi\$ or non-specifi\$) adj3 disorder).ti,ab.
85	((non-identif\$ or unidentifi\$ or non-specifi\$) adj2 caus\$).ti.
86	((non-identif\$ or unidentifi\$ or non-specifi\$) adj2 caus\$).ab. /freq=2
87	(organic adj3 disorder?).ti,ab.
88	(without adj3 underlying).ti,ab.
89	or/80-88
90	52 or 59 or 72 or 79 or 89
91	42 and 90

# 2 E.7.3 Cochrane Database of Systematic Reviews (CDSR)

	irane Database of Systematic Reviews (CDSR)
#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	PEDIATRICS.kw.
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
32	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab. ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
02	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
2.4	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab. ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
34	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
35	01/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
	dehyrat\$)).ti,ab.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or
39	"12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss
	or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	or/36-39
41	13 or 23 or 35 or 40
	· · · · · · · · · · · · · · · · · · ·

#	Searches
42	CELIAC DISEASE.kw.
43	((coeliac or celiac) adj (disease? or syndrome?)).ti,ab.
44	((coeliac or celiac) adj3 sprue).ti,ab.
45	(gluten adj2 (enteropath\$ or sensitiv\$ or hypersensitiv\$ or intoleran\$)).ti,ab.
46	((nontropical or non tropical) adj sprue).ti.ab.
47	((glutenin or gliadin) adj2 (sensitiv\$ or hypersensitiv\$ or intoleran\$)).ti,ab.
48	((infant\$ or indigenous) adj3 sprue).ti,ab.
49	((wheat or rye or barley) adj2 (sensitiv\$ or hypersensitiv\$ or intoleran\$)).ti,ab.
50	endemic sprue.ti,ab.
51	or/42-50
52	HYPOTHYROIDISM.kw.
53	CONGENITAL HYPOTHYROIDISM.kw.
54	hypothyroidism.ti,ab.
55	cretin\$.ti,ab.
56	(thyroid adj3 (deficien\$ or failure or insufficiency)).ti,ab.
57	((underactive or under-active) adj3 thyroid).ti,ab.
58	or/52-57
59	RENAL INSUFFICIENCY, CHRONIC.kw.
60	ACIDOSIS, RENAL TUBULAR.kw.
61	(chronic adj (kidney disease or kidney insufficien\$)).ti,ab.
62	(chronic adj (renal disease or renal insufficien\$)).ti,ab.
63	chronic nephropath\$.ti,ab.
64	(progressive adj (kidney disease or kidney insufficien\$)).ti,ab.
65	(progressive adj (renal disease or renal insufficien\$)).ti,ab.
66	progressive nephropath\$.ti,ab.
67	(renal tubular adj1 acidosis).ti,ab.
68	KIDNEY FAILURE, CHRONIC.kw.
69	(kidney failure or renal failure).ti.
70	(kidney failure or renal failure).ab. /freq=2
71	or/59-70
72	URINARY TRACT INFECTIONS.kw.
73	UTI?.ti,ab.
74	urinary tract infection\$.ti,ab.
75 76	(bacteriuria\$ or pyuria or schistosomiasis).ti,ab. ((bacteria\$ or microbial\$) adj3 (bladder\$ or genitourin\$ or kidney\$ or renal\$ or ureter\$ or ureth\$ or urin\$ or urolog\$
76	or urogen\$)).ti,ab.
77	(genitourinary tract infection\$ or genito-urinary tract infection\$).ti,ab.
78	or/72-77
79	(("no" or "not" or lack\$) adj3 (sign? or symtom?)).ti,ab.
80	(("no" or "not" or "non") adj3 disorder?).ti,ab.
81	(("no" or "not" or "non") adj2 caus\$).ti,ab.
82	((non-identif\$ or unidentif\$ or non-specifi\$) adj2 caus\$).ti,ab.
83	((non-identif\$ or unidentif\$ or non-specifi\$) adj3 disorder).ti,ab.
84	(organic adj3 disorder?).ti,ab.
85	(without adj3 underlying).ti,ab.
86	or/79-85
87	51 or 58 or 71 or 78 or 86
88	41 and 87

# 2 E.7.4 Database of Abstracts of Reviews of Effects (DARE)

#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw,tx.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw,tx.
5	PEDIATRICS.kw.
6	p?ediatric\$.tw,tx.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).tw,tx.
10	FTT.tw,tx.
11	(falter\$ adj3 (weight or grow\$)).tw,tx.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.

#	Searches
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19 20	THINNESS.kw. EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw,tx.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw,tx.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw,tx.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw,tx.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw,tx.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw,tx.
35	07/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw,tx.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
40	or/36-39
41	13 or 23 or 35 or 40
42	CELIAC DISEASE.kw.
43	((coeliac or celiac) adj (disease? or syndrome?)).tw,tx.
44 45	((coeliac or celiac) adj3 sprue).tw,tx.
45	(gluten adj2 (enteropath\$ or sensitiv\$ or hypersensitiv\$ or intoleran\$)).tw,tx. ((nontropical or non tropical) adj sprue).tw,tx.
47	((glutenin or gliadin) adj2 (sensitiv\$ or hypersensitiv\$ or intoleran\$)).tw,tx.
48	((infant\$ or indigenous) adj3 sprue).tw,tx.
49	((wheat or rye or barley) adj2 (sensitiv\$ or hypersensitiv\$ or intoleran\$)).tw,tx.
50	endemic sprue.tw,tx.
51	or/42-50
52	HYPOTHYROIDISM.kw.
53	CONGENITAL HYPOTHYROIDISM.kw.
54 55	hypothyroidism.tw,tx.
55 56	cretin\$.tw,tx. (thyroid adj3 (deficien\$ or failure or insufficiency)).tw,tx.
57	((underactive or under-active) adj3 thyroid).tw,tx.
58	or/52-57
59	RENAL INSUFFICIENCY, CHRONIC.kw.
60	ACIDOSIS, RENAL TUBULAR.kw.
61	(chronic adj (kidney disease or kidney insufficien\$)).tw,tx.
62	(chronic adj (renal disease or renal insufficien\$)).tw,tx.
63	chronic nephropath\$.tw,tx.
64 65	(progressive adj (kidney disease or kidney insufficien\$)).tw,tx. (progressive adj (renal disease or renal insufficien\$)).tw,tx.
66	progressive adj (renai disease of renai hisufficiens)).tw,tx.
67	(renal tubular adj1 acidosis).tw,tx.
68	KIDNEY FAILURE, CHRONIC.kw.
69	(kidney failure or renal failure).tw,tx.
70	or/59-69
71	URINARY TRACT INFECTIONS.kw.
72	UTI?.tw,tx.
73	urinary tract infection\$.tw,tx.
74	(bacteriuria\$ or pyuria or schistosomiasis).tw,tx.

#	Searches
75	((bacteria\$ or microbial\$) adj3 (bladder\$ or genitourin\$ or kidney\$ or renal\$ or ureter\$ or ureth\$ or urin\$ or urolog\$ or urogen\$)).tw,tx.
76	(genitourinary tract infection\$ or genito-urinary tract infection\$).tw,tx.
77	or/71-76
78	(("no" or "not" or lack\$) adj3 (sign? or symtom?)).tw,tx.
79	(("no" or "not" or "non") adj3 disorder?).tw,tx.
80	(("no" or "not" or "non") adj2 caus\$).tw,tx.
81	((non-identif\$ or unidentifi\$ or non-specifi\$) adj2 caus\$).tw,tx.
82	((non-identif\$ or unidentifi\$ or non-specifi\$) adj3 disorder).tw,tx.
83	(organic adj3 disorder?).tw,tx.
84	(without adj3 underlying).tw,tx.
85	or/78-84
86	51 or 58 or 70 or 77 or 85
87	41 and 86

## 2 E.7.5 Health Technology Assessment (HTA)

	th Technology Assessment (HTA)
#	Searches CHILD REPERCHASIA
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
5	exp PEDIATRICS/
6	p?ediatric\$.tw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).tw.
10	FTT.tw.
11	(falter\$ adj3 (weight or grow\$)).tw.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or

#	Searches
	"12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss
	or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
41	or/37-40
42	13 or 24 or 36 or 41
43	CELIAC DISEASE.sh,kw.
44	((coeliac or celiac) adj (disease? or syndrome?)).tw.
45	((coeliac or celiac) adj3 sprue).tw.
46	(gluten adj2 (enteropath\$ or sensitiv\$ or hypersensitiv\$ or intoleran\$)).tw.
47	[((nontropical or non tropical) adj sprue).tiw.]
48	((glutenin or gliadin) adj2 (sensitiv\$ or hypersensitiv\$ or intoleran\$)).tw.
49	((infant\$ or indigenous) adj3 sprue).tw.
50	((wheat or rye or barley) adj2 (sensitiv\$ or hypersensitiv\$ or intoleran\$)).tw.
51	endemic sprue.tw.
52	or/43-51
53	HYPOTHYROIDISM/
54	CONGENITAL HYPOTHYROIDISM/
55	hypothyroidism.tw.
56	cretin\$.tw.
57	(thyroid adj3 (deficien\$ or failure or insufficiency)).tw.
58	((underactive or under-active) adj3 thyroid).tw.
59	or/53-58
60	RENAL INSUFFICIENCY, CHRONIC/
61	(chronic adj (kidney disease or kidney insufficien\$)).tw.
62	(chronic adj (renal disease or renal insufficien\$)).tw.
63	chronic nephropath\$.tw.
64	(progressive adj (kidney disease or kidney insufficien\$)).tw.
65	(progressive adj (renal disease or renal insufficien\$)).tw.
66	progressive nephropath\$.tw.
67	(renal tubular adj1 acidosis).tw.
68	*KIDNEY FAILURE, CHRONIC/
69	(kidney failure or renal failure).tw.
70	or/60-69
71	exp URINARY TRACT INFECTIONS/
72	UTI?.tw.
73	urinary tract infection\$.tw.
74	(bacteriuria\$ or pyuria or schistosomiasis).tw.
75	((bacteria\$ or microbial\$) adj3 (bladder\$ or genitourin\$ or kidney\$ or renal\$ or ureter\$ or ureth\$ or urin\$ or urolog\$ or urogen\$)).tw.
76	(genitourinary tract infection\$ or genito-urinary tract infection\$).tw.
77	or/71-76
78	(("no" or "not" or lack\$) adj3 (sign? or symtom?)).tw.
79	(("no" or "not" or "non") adj3 disorder?).tw.
80	(("no" or "not" or "non") adj2 caus\$).tw.
81	((non-identif\$ or unidentifi\$ or non-specifi\$) adj3 disorder).tw.
82	((non-identif\$ or unidentifi\$ or non-specifi\$) adj2 caus\$).tw.
83	(organic adj3 disorder?).tw.
84	(without adj3 underlying).tw.
85	or/78-84
86	52 or 59 or 70 or 77 or 85
87	42 and 86

#### 2 **E.7.6 Embase**

#	Searches		
1	SYSTEMATIC REVIEW/		
2	META-ANALYSIS/		
3	(meta analy* or metanaly* or metaanaly*).ti,ab.		
4	((systematic or evidence) adj2 (review* or overview*)).ti,ab.		
5	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.		
6	(search strategy or search criteria or systematic search or study selection or data extraction).ab.		
7	(search* adj4 literature).ab.		
8	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.		
9	((pool* or combined) adj2 (data or trials or studies or results)).ab.		
10	cochrane.jw.		
11	or/1-10		
12	PREVALENCE/		
13	*STATISTICAL MODEL/		

#	Searches
14	(prevalen\$ or incidence? or model\$ or rate?).ti.
15 16	((prevalen\$ or incidence? or transversal\$) adj3 (study or studies)).ti,ab. *COHORT ANALYSIS/
17	(cohort adj3 (study or studies)).ti,ab.
18	(cohort adj3 analy\$).ti,ab.
19	*FOLLOW UP/
20	(follow\$ up adj3 (study or studies)).ti,ab.
21	*LONGITUDINAL STUDY/
22	longitudinal\$.ti,ab.
23	*PROSPECTIVE STUDY/
24	prospective\$.ti,ab.
25	*RETROSPECTIVE STUDY/
26 27	retrospective\$.ti,ab. *CROSS-SECTIONAL STUDY/
28	cross-sectional\$.ti,ab.
29	*"MULTICENTER STUDY (TOPIC)"/
30	((multicent\$ or multi\$ cent\$) adj3 (study or studies)).ti,ab.
31	*REGISTER/
32	(registr\$ or register?).ti,ab.
33	07/12-32
34	PRESCHOOL CHILD/ or TODDLER/
35 36	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab. exp INFANT/
37	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
38	exp PEDIATRICS/
39	p?ediatric\$.ti,ab.
40	or/34-39
41	FAILURE TO THRIVE/
42	(fail\$ adj2 thriv\$).ti,ab.
43	FTT.ti,ab.
44 45	(falter\$ adj3 (weight or grow\$)).ti,ab.
46	40 and 45
47	*WEIGHT REDUCTION/
48	WEIGHT CHANGE/
49	WEIGHT FLUCTUATION/
50	WEIGHT VARIATION/
51	WASTING SYNDROME/
52	EMACIATION/ *ANOREXIA/
53 54	or/47-53
55	40 and 54
56	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *NUTRITIONAL DISORDER/
57	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *EATING DISORDER/
58	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *MALNUTRITION/
59	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *GROWTH DISORDER/
60	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
61	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab. ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
01	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
62	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
63	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab. ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
03	premie or preschools or pre-schools or todalers or infans or newborns or baby or bables or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
64	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
65	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
66 67	or/56-65
67 68	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/) NEONATAL WEIGHT LOSS/
69	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
30	dehyrat\$)).ti,ab.
70	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$
71	or physiolog\$))).ti,ab. ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or
7.1	"12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss
	or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.

# 72	Searches
72 73	or/67-71 46 or 55 or 66 or 72
74	*CELIAC DISEASE/
75	((coeliac or celiac) adj (disease? or syndrome?)).ti,ab.
76	((coeliac or celiac) adj3 sprue).ti,ab.
77	(gluten adj2 (enteropath\$ or sensitiv\$ or hypersensitiv\$ or intoleran\$)).ti,ab.
78	((nontropical or non tropical) adj sprue).ti,ab.
79	((glutenin or gliadin) adj2 (sensitiv\$ or hypersensitiv\$ or intoleran\$)).ti,ab.
80	((infant\$ or indigenous) adj3 sprue).ti,ab.
81	((wheat or rye or barley) adj2 (sensitiv\$ or hypersensitiv\$ or intoleran\$)).ti,ab.
82	endemic sprue.ti,ab.
83 84	or/74-82 *HYPOTHYROIDISM/
85	CONGENITAL HYPOTHYROIDISM/
86	hypothyroidism.ti,ab.
87	cretin\$.ti,ab.
88	(thyroid adj3 (deficien\$ or failure or insufficiency)).ti,ab.
89	((underactive or under-active) adj3 thyroid).ti,ab.
90	or/84-89
91	*CHRONIC KIDNEY FAILURE/
92	*KIDNEY TUBULE ACIDOSIS/
93 94	(chronic adj (kidney disease or kidney insufficien\$)).ti,ab. (chronic adj (renal disease or renal insufficien\$)).ti,ab.
95	chronic adj (renar disease or renar insufficiens)).ti,ab.
96	(progressive adj (kidney disease or kidney insufficien\$)).ti,ab.
97	(progressive adj (renal disease or renal insufficien\$)).ti,ab.
98	progressive nephropath\$.ti,ab.
99	(renal tubular adj1 acidosis).ti,ab.
100	(kidney failure or renal failure).ti.
101	(kidney failure or renal failure).ab. /freq=2
102 103	or/91-101 exp *URINARY TRACT INFECTION/
103	UTI?.ti.ab.
105	urinary tract infection\$.ti,ab.
106	(bacteriuria\$ or pyuria or schistosomiasis).ti,ab.
107	((bacteria\$ or microbial\$) adj3 (bladder\$ or genitourin\$ or kidney\$ or renal\$ or ureter\$ or ureth\$ or urin\$ or urolog\$ or urogen\$)).ti,ab.
108	(genitourinary tract infection\$ or genito-urinary tract infection\$).ti,ab.
109	or/103-108
110	(("no" or "not" or lack\$) adj3 (sign? or symtom?)).ti,ab.
111	(("no" or "not" or "non") adj3 disorder?).ti,ab.
112	(("no" or "not" or "non") adj2 caus\$).ti.
113 114	(("no" or "not" or "non") adj2 caus\$).ab. /freq=2 ((non-identif\$ or unidentifi\$ or non-specifi\$) adj3 disorder).ti,ab.
115	((non-identiffs or unidentiffs or non-speciffs) adj2 caus\$).ab. /freq=2
116	(organic adj3 disorder?).ti,ab.
117	(without adj3 underlying).ti,ab.
118	or/110-117
119	83 or 90 or 102 or 109 or 118
120	73 and 119
121 122	limit 120 to english language letter.pt. or LETTER/
123	note.pt.
123	editorial.pt.
125	CASE REPORT/ or CASE STUDY/
126	(letter or comment*).ti.
127	or/122-126
128	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
129	127 not 128
130 131	ANIMAL/ not HUMAN/ NONHUMAN/
131	exp ANIMAL EXPERIMENT/
133	exp EXPERIMENTAL ANIMAL/
134	ANIMAL MODEL/
135	exp RODENT/
136	(rat or rats or mouse or mice).ti.
137	or/129-136
138	121 not 137
139 140	11 and 138
140	33 and 138

#	Searches		
141	or/139-140		

# 2 E.8 Breastfeeding support

1

#### 3 E.8.1 Medline and Medline In-Process & Other Non-Indexed Citations

#	Searches			
1	META-ANALYSIS/			
2	META-ANALYSIS AS TOPIC/			
3	(meta analy* or metanaly* or metaanaly*).ti,ab.			
4	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.			
5	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.			
6	(search strategy or search criteria or systematic search or study selection or data extraction).ab.			
7	(search* adj4 literature).ab.			
8	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.			
9	cochrane.jw.			
10	or/1-9			
11	randomized controlled trial.pt.			
12	controlled clinical trial.pt.			
13	pragmatic clinical trial.pt.			
14	randomi#ed.ab.			
15	placebo.ab.			
16	randomly.ab.			
17	CLINICÁL TRIALS AS TOPIC/			
18	trial.ti.			
19	or/11-18			
20	or/10.19			
21	CHILD, PRESCHOOL/			
22	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.			
23	exp INFANT/			
24	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.			
25	exp PEDIATRICS/			
26	p?ediatric\$.ti,ab.			
	or/21-26			
27				
28	FAILURE TO THRIVE/			
29	(fail\$ adj2 thriv\$).ti,ab.			
30	FTT.ti,ab.			
31	(falter\$ adj3 (weight or grow\$)).ti,ab.			
32	or/28-31			
33	27 and 32			
34	*WEIGHT LOSS/			
35	WEIGHT LOSS/ph [Physiology]			
36	BODY WEIGHT CHANGES/			
37	BODY WEIGHT MAINTENANCE/			
38	IDEAL BODY WEIGHT/			
39	WASTING SYNDROME/			
40	*THINNESS/			
41	EMACIATION/			
42	ANOREXIA/			
43	or/34-42			
44	27 and 43			
45	*CHILD NUTRITION DISORDERS/			
46	*INFANT NUTRITION DISORDERS/			
47	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/			
48	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/			
49	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/			
50	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or newborn\$ or baby or babies or pre#mie? or			
	premie or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or			
51	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under weight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.			
52	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.			
53	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.			

#	Searches
54	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
55	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
56	or/45-55
57	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
58	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
59	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
60	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
61	or/57-60
62	33 or 44 or 56 or 61
63	exp *BREAST FEEDING/
64	breastfe\$.ti,ab.
65	(breast adj1 fe\$).ti,ab.
66	(breast\$ adj3 (pump\$ or express\$ or collect\$)).ti,ab.
67	*MILK, HUMAN/
68	breastmilk.ti,ab.
69	((breast or human) adj1 milk).ti,ab.
70	*LACTATION/
71	lactat\$.ti,ab.
72	*GALACTAGOGUES/
73	galact#gog\$.ti,ab.
74	*LINGUAL FRENUM/
75	*TONGUE/
76	*TONGUE DISEASES/
77	*MOUTH ABNORMALITIES/
78	((tongue or lip or oral\$ or frenu\$) adj3 (tether\$ or tie\$)).ti,ab.
79	(frenotom\$ or frenulotom\$ or ankyloglossi\$).ti,ab.
80	or/63-79
81	*"GROWTH AND DEVELOPMENT"/
82	*CHILD DEVELOPMENT/
83	exp *GROWTH/
84	exp *ANTHROPOMETRY/
85	(growth\$ or weight\$ or height\$ or length\$ or body mass ind\$ or BMI? or anthropomet\$).ti.
86	((growth\$ or weight\$ or height\$ or length\$ or body mass ind\$ or BMI? or anthropomet\$) adj2 (infan\$ or neonat\$ or newborn\$ or baby or babies or measur\$ or parameter? or outcome? or gain\$ or increas\$ or decreas\$ or loss\$ or lose or chang\$)).ab.
87	or/81-86
88	exp BREAST FEEDING/mt [Methods]
89	((breastfe\$ or breast fe\$ or breastmilk\$ or breast milk\$ or lactat\$) adj3 (support\$ or interven\$ or promot\$ or educat\$ or inform\$ or advis\$ or therap\$ or psychotherap\$ or schedul\$ or baby led or supplement\$ or produc\$ or diet\$ or stress\$ or depress\$ or position\$ or attach\$)).ti,ab.
90	88 or 89
91	62 and 80
92	27 and 87 and 90
93	or/91-92
94	limit 93 to english language
95	LETTER/
96	EDITORIAL/
97	NEWS/
98	exp HISTORICAL ARTICLE/
99	ANECDOTES AS TOPIC/
100	COMMENT/ CASE REPORT/
101	
101	
102	(letter or comment*).ti.
102 103	(letter or comment*).ti. or/95-102
102 103 104	(letter or comment*).ti. or/95-102 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
102 103 104 105	(letter or comment*).ti. or/95-102 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab. 103 not 104
102 103 104 105 106	(letter or comment*).ti. or/95-102 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab. 103 not 104 ANIMALS/ not HUMANS/
102 103 104 105 106 107	(letter or comment*).ti. or/95-102 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab. 103 not 104 ANIMALS/ not HUMANS/ exp ANIMALS, LABORATORY/
102 103 104 105 106 107 108	(letter or comment*).ti. or/95-102 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab. 103 not 104 ANIMALS/ not HUMANS/ exp ANIMALS, LABORATORY/ exp ANIMAL EXPERIMENTATION/
102 103 104 105 106 107 108 109	(letter or comment*).ti. or/95-102 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab. 103 not 104 ANIMALS/ not HUMANS/ exp ANIMALS, LABORATORY/ exp ANIMAL EXPERIMENTATION/ exp MODELS, ANIMAL/
102 103 104 105 106 107 108 109 110	(letter or comment*).ti. or/95-102 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab. 103 not 104 ANIMALS/ not HUMANS/ exp ANIMALS, LABORATORY/ exp ANIMAL EXPERIMENTATION/ exp MODELS, ANIMAL/ exp RODENTIA/
102 103 104 105 106 107 108 109	(letter or comment*).ti. or/95-102 RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab. 103 not 104 ANIMALS/ not HUMANS/ exp ANIMALS, LABORATORY/ exp ANIMAL EXPERIMENTATION/ exp MODELS, ANIMAL/

#	Searches
114	20 and 113

## 2 E.8.2 Cochrane Central Register of Controlled Trials (CCTR)

Searches CHILD, PRESCHOOL/
(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,kw.
exp INFANT/
(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.
exp PEDIATRICS/
p?ediatric\$.ti,ab,kw.
or/1-6
FAILURE TO THRIVE/
(fail\$ adj2 thriv\$).ti,ab.
FTT.ti,ab.
(falter\$ adj3 (weight or grow\$)).ti,ab.
or/8-11
7 and 12
*WEIGHT LOSS/
WEIGHT LOSS/ph [Physiology]
BODY WEIGHT CHANGES/
BODY WEIGHT MAINTENANCE/
IDEAL BODY WEIGHT/
WASTING SYNDROME/
*THINNESS/
EMACIATION/
ANOREXIA/
or/14-22
7 and 23
*CHILD NUTRITION DISORDERS/
*INFANT NUTRITION DISORDERS/
"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or newborn\$ or baby or babies or pre#mie? or
premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or poor nutrition\$ or undernourish\$ or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
or/25-35
exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
or/37-40
13 or 24 or 36 or 41
exp *BREAST FEEDING/
breastfe\$.ti,ab,kw.
(breast adj1 fe\$).ti,ab,kw.
(breast\$ adj1 (cu).ti,ab,kw. (breast\$ adj3 (pump\$ or express\$ or collect\$)).ti,ab,kw.
"MILK HUMAN/
*MILK, HUMAN/ hreastmilk ti ah kw
breastmilk.ti,ab,kw.

#	Searches
52	*GALACTAGOGUES/
53	galact#gog\$.ti,ab,kw.
54	*LINGUAL FRENUM/
55	*TONGUE/
56	*TONGUE DISEASES/
57	*MOUTH ABNORMALITIES/
58	((tongue or lip or oral\$ or frenu\$) adj3 (tether\$ or tie\$)).ti,ab.
59	(frenotom\$ or frenulotom\$ or ankyloglossi\$).ti,ab,kw.
60	or/43-59
61	"GROWTH AND DEVELOPMENT"/
62	"GROWTH, DEVELOPMENT AND AGING".kw.
63	*CHILD DEVELOPMENT/
64	CHILD DEVELORMENT kw.
65	exp *GROWTH/
66	exp *ANTHROPOMETRY/
67	(growth\$ or weight\$ or height\$ or length\$ or body mass ind\$ or BMI? or anthropomet\$).ti,kw.
68	((growth\$ or weight\$ or height\$ or length\$ or body mass ind\$ or BMI? or anthropomet\$) adj2 (infan\$ or neonat\$ or
00	newborn\$ or baby or babies or measur\$ or parameter? or outcome? or gain\$ or increas\$ or decreas\$ or loss\$ or lose
	or chang\$)).ab.
69	or/61-68
70	exp BREAST FEEDING/mt [Methods]
71	BREAST FEFDING FOLICATION kw
72	((breastfe\$ or breast fe\$ or breastmilk\$ or breast milk\$ or lactat\$) adj3 (support\$ or interven\$ or promot\$ or educat\$ or
. –	inform\$ or advis\$ or therap\$ or psychotherap\$ or schedul\$ or baby led or supplement\$ or produc\$ or diet\$ or stress\$
	or depress\$ or position\$ or attach\$)).ti,ab.
73	0r/70-72
74	42 and 60
75	7 and 69 and 73
76	or/74-75

2 E.8.3 Cochrane Database of Systematic Reviews (CDSR)

#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	PEDIATRICS.kw.
6	p?ediatric\$.ti.ab.
7	0r/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.

#	Searches
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
02	premie or premies) adj2 (malnutrition\$ or malnourish\$)),ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
00	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti.ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
0.	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
35	or/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
0,	dehyrat\$)).ti,ab.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
00	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
	physiolog\$))).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$"
	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	or/36-39
41	13 or 23 or 35 or 40
42	breastfe\$.ti,ab.
43	(breast adj1 fe\$).ti,ab.
44	(breast\$ adj3 (pump\$ or express\$ or collect\$)).ti,ab.
45	breastmilk.ti,ab.
46	((breast or human) adj1 milk).ti,ab.
47	lactat\$.ti,ab.
48	galact#gog\$.ti,ab.
49	LINGUAL FRENUM.kw.
50	TONGUE.kw.
51	TONGUE DISEASES.kw.
52	MOUTH ABNORMALITIES.kw.
53	((tongue or lip or oral\$ or frenu\$) adj3 (tether\$ or tie\$)).ti,ab.
54	(frenotom\$ or frenulotom\$ or ankyloglossi\$).ti,ab.
55	or/42-54
56	"GROWTH AND DEVELOPMENT".kw.
57	CHILD DEVELOPMENT.kw.
58	GROWTH.kw.
59	ANTHROPOMETRY.kw.
60	(growth\$ or weight\$ or height\$ or length\$ or body mass ind\$ or BMI? or anthropomet\$).ti,ab.
61	((growth\$ or weight\$ or height\$ or length\$ or body mass ind\$ or BMI? or anthropomet\$) adj2 (infan\$ or neonat\$ or
	newborn\$ or baby or babies or measur\$ or parameter? or outcome? or gain\$ or increas\$ or decreas\$ or loss\$ or lose
	or chang\$)).ti,ab.
62	or/56-61
63	((breastfe\$ or breast fe\$ or breastmilk\$ or breast milk\$ or lactat\$) adj3 (support\$ or interven\$ or promot\$ or educat\$ or
	inform\$ or advis\$ or therap\$ or psychotherap\$ or schedul\$ or baby led or supplement\$ or produc\$ or diet\$ or stress\$
	or depress\$ or position\$ or attach\$)).ti,ab.
64	41 and 55
65	7 and 62 and 63
66	or/64-65

E.8.4 Database of Abstracts of Reviews of Effects (DARE)

#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw,tx.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw,tx.
5	PEDIATRICS.kw.
6	p?ediatric\$.tw,tx.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).tw,tx.
10	FTT.tw,tx.
11	(falter\$ adj3 (weight or grow\$)).tw,tx.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.

#	Searches
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw,tx.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw,tx.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw,tx.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw,tx.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw,tx.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw,tx.
35	or/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw,tx.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
40	or/36-39
41	13 or 23 or 35 or 40
42	breastfe\$.tw,tx.
43	(breast adj1 fe\$).tw,tx.
44	(breast\$ adj3 (pump\$ or express\$ or collect\$)).tw,tx.
45	breastmilk.tw,tx.
46	((breast or human) adj1 milk).tw,tx.
47	lactat\$.tw,tx.
48	galact#gog\$.tw,tx.
49	LINGUAL FRENUM.kw.
50	TONGUE.kw.
51	TONGUE DISEASES.kw.
52	MOUTH ABNORMALITIES.kw.
53	((tongue or lip or oral\$ or frenu\$) adj3 (tether\$ or tie\$)).tw,tx.
54	(frenotom\$ or frenulotom\$ or ankyloglossi\$).tw,tx.
55	or/42-54
56	"GROWTH AND DEVELOPMENT".kw.
57	CHILD DEVELOPMENT.kw.
58	GROWTH.kw.
59	ANTHROPOMETRY.kw.
60	(growth\$ or weight\$ or height\$ or length\$ or body mass ind\$ or BMI? or anthropomet\$).tw,tx.  ((growth\$ or weight\$ or height\$ or length\$ or body mass ind\$ or BMI? or anthropomet\$) adj2 (infan\$ or neonat\$ or newborn\$ or baby or babies or measur\$ or parameter? or outcome? or gain\$ or increas\$ or decreas\$ or loss\$ or lose or chang\$)).tw,tx.
62	or/56-61
63	((breastfe\$ or breast fe\$ or breastmilk\$ or breast milk\$ or lactat\$) adj3 (support\$ or interven\$ or promot\$ or educat\$ or inform\$ or advis\$ or therap\$ or psychotherap\$ or schedul\$ or baby led or supplement\$ or produc\$ or diet\$ or stress\$ or depress\$ or position\$ or attach\$)).tw,tx.
64	41 and 55
65	7 and 62 and 63
66	7 410 02 410 03

## Health Technology Assessment (HTA) # Searches E.8.5

66 or/64-65

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw. exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
5	exp PEDIATRICS/
6	p?ediatric\$.tw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).tw.
10	FTT.tw.
11	(falter\$ adj3 (weight or grow\$)).tw.
12	or/8-11
13 14	7 and 12 *WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24 25	7 and 23 *CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or newborn\$ or baby or babies or pre#mie? or
33	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
	dehyrat\$)).tw.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$
	or physiolog\$))).tw.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or
	"12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss
	or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
41	or/37-40
42	13 or 24 or 36 or 41
43 44	exp BREAST FEEDING/ breastfe\$.tw.
44	breastres.tw. (breast adj1 fe\$).tw.
46	(breast\$ adj3 (pump\$ or express\$ or collect\$)).tw.
47	MILK, HUMAN/
48	breastmilk.tw.
49	((breast or human) adj1 milk).tw.
50	LACTATION/
51	lactat\$.tw.
52	GALACTAGOGUES/
53 54	galact#gog\$.tw. LINGUAL FRENUM/
55	TONGUE/
56	TONGUE DISEASES/
57	MOUTH ABNORMALITIES/
58	((tongue or lip or oral\$ or frenu\$) adj3 (tether\$ or tie\$)).tw.

#	Searches
59	(frenotom\$ or frenulotom\$ or ankyloglossi\$).tw.
60	or/43-59
61	"GROWTH AND DEVELOPMENT"/
62	CHILD DEVELOPMENT/
63	exp GROWTH/
64	exp ANTHROPOMETRY/
65	(growth\$ or weight\$ or height\$ or length\$ or body mass ind\$ or BMI? or anthropomet\$).ti.
66	((growth\$ or weight\$ or height\$ or length\$ or body mass ind\$ or BMI? or anthropomet\$) adj2 (infan\$ or neonat\$ or newborn\$ or baby or babies or measur\$ or parameter? or outcome? or gain\$ or increas\$ or decreas\$ or loss\$ or lose or chang\$)).tx.
67	or/61-66
68	((breastfe\$ or breast fe\$ or breastmilk\$ or breast milk\$ or lactat\$) adj3 (support\$ or interven\$ or promot\$ or educat\$ or inform\$ or advis\$ or therap\$ or psychotherap\$ or schedul\$ or baby led or supplement\$ or produc\$ or diet\$ or stress\$ or depress\$ or position\$ or attach\$)).tw.
69	42 and 60
70	7 and 67 and 68
71	or/69-70

#### 2 **E.8.6 Embase**

Embase		
#	Searches	
1	SYSTEMATIC REVIEW/	
2	META-ANALYSIS/	
3	(meta analy* or metanaly* or metaanaly*).ti,ab.	
4	((systematic or evidence) adj2 (review* or overview*)).ti,ab.	
5	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.	
6	(search strategy or search criteria or systematic search or study selection or data extraction).ab.	
7	(search* adj4 literature).ab.	
8	(medline or pubmed or cochrane or embase or psychlit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.	
9	((pool* or combined) adj2 (data or trials or studies or results)).ab.	
10	cochrane.jw.	
11	or/1-10	
12	random*.ti,ab.	
13	factorial*.ti,ab.	
14	(crossover* or cross over*).ti,ab.	
15	((doubl* or singl*) adj blind*).ti,ab.	
16	(assign* or allocat* or volunteer* or placebo*).ti,ab.	
17	CROSSOVER PROCEDURE/	
18	SINGLE BLIND PROCEDURE/	
19	RANDOMIZED CONTROLLED TRIAL/	
20	DOUBLE BLIND PROCEDURE/	
21	or/12-20	
22	or/11,21	
23	PRESCHOOL CHILD/ or TODDLER/	
24	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.	
25	exp INFANT/	
26	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.	
27	exp PEDIATRICS/	
28	p?ediatric\$.ti,ab.	
29	or/23-28	
30	FAILURE TO THRIVE/	
31	(fail\$ adj2 thriv\$).ti,ab.	
32	FTT.ti,ab.	
33 34	(falter\$ adj3 (weight or grow\$)).ti,ab.	
35	or/30-33 29 and 34	
36	*WEIGHT REDUCTION/	
37	WEIGHT CHANGE/	
38	WEIGHT CHANGE/ WEIGHT FLUCTUATION/	
39	WEIGHT VARIATION/	
40	WASTING SYNDROME/	
41	EMACIATION/	
42	*ANOREXIA/	
43	or/36-42	
44	29 and 43	
45	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *NUTRITIONAL DISORDER/	
46	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *EATING DISORDER/	
	,	

#	Searches
47	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *MALNUTRITION/
48	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *GROWTH DISORDER/
49	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
50	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? o premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ o under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
51	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
52	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
53	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
54	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab. or/45-54
55 56	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
56 57	NEONATAL WEIGHT LOSS/
58	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
59	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$
60	or physiolog\$))).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
61	or/56-60
62	35 or 44 or 55 or 61
63	exp *BREAST FEEDING/
64	*BREAST FEEDING EDUCATION/
35	breastfe\$.ti,ab.
36	(breast\$ adj1 fe\$).ti,ab.
67	exp *BREAST PUMP/
68	(breast\$ adj3 (pump\$ or express\$ or collect\$)).ti,ab.
69	*BREAST MILK/
70	breastmilk.ti,ab.
71	((breast or human) adj1 milk).ti,ab.
72	*LACTATION/
73	*MILK PRODUCTION/
74	lactat\$.ti,ab.
75	*GALACTAGOGUE/
76	galact#gog\$.ti,ab.
77	*ANKYLOGLOSSIA/
78	((tongue or lip or oral\$ or frenu\$) adj3 (tether\$ or tie\$)).ti,ab.
79	(frenotom\$ or frenulotom\$ or ankyloglossi\$).ti,ab.
80	or/63-79
81	*"GROWTH, DEVELOPMENT AND AGING"/
82	*CHILD DEVELOPMENT/
83	exp *GROWTH/
84 85	exp *ANTHROPOMETRIC PARAMETERS/ *HEIGHT/
85 86	*LENGTH/
86 87	exp *"WEIGHT, MASS AND SIZE"/
88	WEIGHT GAIN/
89	(growth\$ or weight\$ or height\$ or length\$ or body mass ind\$ or BMI? or anthropomet\$).ti.
90	((growth\$ or weight\$ or height\$ or length\$ or body mass ind\$ or BMI? or anthropomet\$) adj2 (infan\$ or neonat\$ or newborn\$ or baby or babies or measur\$ or parameter? or outcome? or gain\$ or increas\$ or decreas\$ or loss\$ or lose or chang\$)).ab.
91	or/81-90
92	BREAST FEEDING EDUCATION/
93	((breastfe\$ or breast fe\$ or breastmilk\$ or breast milk\$ or lactat\$) adj3 (support\$ or interven\$ or promot\$ or educat or inform\$ or advis\$ or therap\$ or psychotherap\$ or schedul\$ or baby led or supplement\$ or produc\$ or diet\$ or stress\$ or depress\$ or position\$ or attach\$)).ti,ab.
	or/92-93
94	01/92-93
	62 and 80
95	
95 96	62 and 80
95 96 97	62 and 80 29 and 91 and 94
94 95 96 97 98 99	62 and 80 29 and 91 and 94 or/95-96

#	Searches
102	CASE REPORT/ or CASE STUDY/
103	(letter or comment*).ti.
104	or/99-103
105	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
106	104 not 105
107	ANIMAL/ not HUMAN/
108	NONHUMAN/
109	exp ANIMAL EXPERIMENT/
110	exp EXPERIMENTAL ANIMAL/
111	ANIMAL MODEL/
112	exp RODENT/
113	(rat or rats or mouse or mice).ti.
114	or/106-113
115	98 not 114
116	22 and 115

#### E.8.7 Cumulative Index to Nursing and Allied Health Literature (CINAHL)

#	Searches
1	exp CLINICAL TRIALS/
2	((singl* adj1 blind*) OR (singl* adj1 mask*) OR (doubl* adj1 blind*) OR (doubl* adj1 mask*) OR (tripl* adj1 blind*) OR (tripl* adj1 mask*) OR (tripl* adj1 blind*) OR (trebl* adj1 mask*)).ti,ab
3	(clinic* adj1 trial*).ti,ab
4	"randomi* control* trial*".ti,ab
5	RANDOM ASSIGNMENT/
6	(random* adj1 allocat*).ti,ab
7	PLACEBOS/
8	placebo*.ti,ab
9	QUANTITATIVE STUDIES/
10	or/1-9
11	CHILD, PRESCHOOL/
12	(child* or preschool* or pre-school* or toddler*).ti,ab.
13	INFANT/ OR exp INFANT, NEWBORN/
14	(infan* or neonat* or newborn* or baby or babies or premie or premies).ti,ab.
15	exp PEDIATRICS/
16	(paediatric* OR pediatric*).ti,ab
17	or/11-16
18	FAILURE TO THRIVE/
19	(fail* adj2 thriv*).ti,ab.
20	FTT.ti,ab.
21	(falter* adj3 (weight or grow*)).ti,ab.
22	or/28-31
23	17 and 22
24	*WEIGHT LOSS/
25	BODY WEIGHT CHANGES/
26	WASTING SYNDROME/
27	*THINNESS/
28	ANOREXIA/
29	or/24-28
30	17 and 29
31	*CHILD NUTRITION DISORDERS/
32	*INFANT NUTRITION DISORDERS/
33	FEEDING AND EATING DISORDERS OF CHILDHOOD/
34	(CHILD, PRESCHOOL/ or INFANT/ or exp INFANT, NEWBORN/) and *MALNUTRITION/
35	(CHILD, PRESCHOOL/ or INFANT/ or exp INFANT, NEWBORN/) and *GROWTH DISORDERS/
36	((child* or preschool* or pre-school* or toddler* or infan* or neonat* or newborn* or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc* or decreas* or deficien*))).ti,ab.
37	((child* or preschool* or pre-school* or toddler* or infan* or neonat* or newborn* or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition* or "under nutrition*" or "poor nutrition*" or undernourish* or "under nourish*" or "under weight?" or underweight? or ((feed* or eat* or nutrition*) adj1 (disorder* or problem*)) or wasting or thin or thinn* or emaciat* or anorexi* or stunting or stunted)).ti,ab.
38	((child* or preschool* or pre-school* or toddler* or infan* or neonat* or newborn* or baby or babies or pre#mie? or premie or premies) adj7 ((Slow* or insufficient*) adj2 weight adj2 gain*)).ti,ab.
39	((child* or preschool* or pre-school* or toddler* or infan* or neonat* or newborn* or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition* or malnourish*)).ti,ab.
40	((child* or preschool* or pre-school* or toddler* or infan* or neonat* or newborn* or baby or babies or pre#mie? or premie or premies) adj7 (grow* adj1 (disorder or deficien* or poor* or fail*))).ti,ab.
41	((child* or preschool* or pre-school* or toddler* or infan* or neonat* or newborn* or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor* or deficien* or short* or small* or retard*))).ti,ab.

42 or/31-41  43 (CHILD, PRESCHOOL/ OR INFANT/ OR exp INFANT, NEWBORN) and (HYPERNATREMIA/ or *DEHYDRATION/)  44 ((Infan* or neonat* or newborn* or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr* or dehyrat*),ii,ab.  45 ((Infan* or neonat* or newborn* or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal* or postpartum or *follow* birth?") adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc* or decreas* or deficien* or physiolog*))), ii,ab.  46 or/43-45  47 23 or 30 or 42 or 46  48 exp *BREAST FEEDING/  49 breastfe*, ii,ab.  40 (breast adj1 fe*), ii,ab.  51 (breast adj3 (pump* or express* or collect*)), ii,ab.  52 *MILK, HUMAN/  53 breastmilk, ii,ab.  40 ((toreat or human) adj1 milk), ii, ab.  54 *LACTATION/  55 lactar*, ii,ab.  56 galact*gog*, ii,ab.  *TONGUE/  *TONGUE/  *TONGUE DISEASES/  60 *MOUTH ABNORMALITIES/  61 ((flongue or lip or oral* or frenut*) adj3 (tether* or tie*)), ii,ab.  63 or/48-62  44 *CHILD DEVELOPMENT/  55 *GROWTH/  66 *ANTHROPOMETRY/  67 (growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*), ii.  69 or/64-68  70 ((florastfe*) or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or decreas* or dose or chang*), ab.  67 or/64-68  71 or/71-72  73 or/71-72  74 10 and 73 [Limit to: (Language English)]	#	Searches
43 (CHILD, PRESCHOOL/ OR INFANT/ OR exp INFANT, NEWBORN/) and (HYPERNATREMIA/ or "DEHYDRATION/) 44 ((Infan" or neonat" or newborn" or baby or babies or pre#mie? or premie or premies) adj10 (hypernatt" or dehyrat"), it, jab. 45 ((Infan" or neonat" or newborn" or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal" or postpartum or "follow" birth?") adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc" or decreas" or deficien or physiolog"))).ti, ab. 46 or/43-45 47 23 or 30 or 42 or 46 48 exp "BREAST FEEDING/ 49 breastfe".ti, iab. 50 (breast adj1 fe").ti, iab. 51 (breast adj3 (pump" or express" or collect")).ti, ab. 52 "MILK, HUMAN/ 53 breastmilk.ti, ab. 54 ((breast or human) adj1 milk).ti, ab. 55 "LACTATION/ 56 lactat".ti, ab. 57 galact#gog*.ti, iab. 57 TONGUE / 58 "TONGUE DISEASES/ 59 "MOUTH ABNORMALITIES/ 50 ((frenotom" or frenulotom" or ankyloglossi").ti, ab. 50 (frenotom" or frenulotom" or ankyloglossi").ti, ab. 51 ((frenotom" or frenulotom" or ankyloglossi").ti, ab. 52 (Growth" or weight" or height" or length" or "body mass ind"" or BMI? or anthropomet").ti. 58 ((growth" or weight" or height" or length" or "body mass ind"" or BMI? or anthropomet").ti. 59 or/64-68 50 or/64-68 51 ((preastfe" or breast fe" or breastmilk" or breast milk" or lactat") adj3 (support" or interven" or promote or chang")), ab. 59 or/64-68 50 or/64-68 51 ((preastfe" or breast fe" or breastmilk" or "breast milk" or lactat") adj3 (support" or interven" or promote or decreas or dose or chang"), ab. 51 or/64-68 52 or/64-68 53 or/64-68 54 Or/74-72		
44 ((Infan* or neonat* or newborn* or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr* or dehyrat*)), it, ab.  45 ((Infan* or neonat* or newborn* or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal* or postpartum or "follow* birth?") adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc* or decreas* or deficien* or physiolog*))), it, ab.  46 or/43-45  47 23 or 30 or 42 or 46  48 exp *BREAST FEEDING/  49 breastfe*, it, jab.  50 (breast adj1 fe*), it, jab.  50 (breast adj1 fe*), it, jab.  51 (breast adj3 (pump* or express* or collect*)), it, jab.  52 *MILK, HUMAN/  53 breastmilk, it, jab.  54 ((Ioreast or human) adj1 milk), iti, jab.  55 *LACTATION/  56 lacta*, it, jab.  57 galact#gog*, it, jab.  58 *TONGUE/  59 *TONGUE/  50 *MOUTH ABNORMALITIES/  61 ((Iongue or lip or oral* or frenu*) adj3 (tether* or tie*)), iti, jab.  62 ((frenotom* or frenulotom* or ankyloglossi*), it, jab.  63 or/48-62  64 *CHILD DEVELOPMENT/  65 *GROWTH/  66 *ANTHROPOMETRY/  67 ((growth* or weight* or height* or "body mass ind*" or BMI? or anthropomet*), adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)), ab.  69 or/64-68  70 ((Oreastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or promot* or educat* or depress* or position* or attach*)), it, jab.  71 47 and 63  69 and 70  73 or/71-72		
postpartum or "follow" birth?") adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc" or decreas" or deficien" or physiolog*))).ti,ab.  46 or/43-45 47 23 or 30 or 42 or 46 48 exp "BREAST FEEDING/ 49 breastfe".ti,ab. 50 (breast adj1 fe").ti,ab. 51 (breast "adj3 (pump" or express" or collect*)).ti,ab. 52 "MILK, HUMAN/ 53 breastmilk.ti,ab. 64 ((breast or human) adj1 milk).ti,ab. 55 "LACTATION/ 56 lactat".ti,ab. 77 galact#gog* ti,ab. 78 "TONGUE DISEASES/ 80 "MOUTH ABNORMALITIES/ 81 ((tongue or lip or oral" or frenu") adj3 (tether" or tie")).ti,ab. 82 ("Grenotom" or frenulotom" or ankyloglossi").ti,ab. 83 or/48-62 84 "CHILD DEVELOPMENT/ 85 "ARNTHROPOMETRY/ 86 (growth" or weight" or length" or "body mass ind"" or BMI? or anthropomet").ti. 86 ((growth" or weight" or height" or length" or "body mass ind"" or BMI? or anthropomet") adj2 (infan" or neonat" or newborn" or baby or babies or measur" or parameter? or outcome? or gain" or increas" or lose or chang")).ab. 87 or/64-68 88 ((breastfe" or breast fe" or breastmilk" or "breast milk"" or lactat") adj3 (support" or interven" or promot* or educat" or inform or advis" or therap" or psychotherap" or schedul" or "baby led" or supplement" or produc" or diet" or stress" or depress" or position" or attach")).ti,ab. 98 or/71-72	-	((infan* or neonat* or newborn* or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr* or
47 23 or 30 or 42 or 46 48 exp *BREAST FEEDING/ 49 breastfe*.ti,ab. 50 (breast adj1 fe*).ti,ab. 51 (breast adj3 (pump* or express* or collect*)).ti,ab. 52 *MILK, HUMAN/ 53 breastmilk.ti,ab. 54 ((breast or human) adj1 milk).ti,ab. 55 *LACTATION/ 56 lacta*.ti,ab. 57 galact#gog*.ti,ab. 58 *TONGUE/ 59 *TONGUE DISEASES/ 60 *MOUTH ABNORMALITIES/ 61 ((tongue or lip or oral* or frenu*) adj3 (tether* or tie*)).ti,ab. 62 (frenotom* or frenulotom* or ankyloglossi*).ti,ab. 63 or/48-62 64 *CHILD DEVELOPMENT/ 65 *GROWTH/ 66 *ANTHROPOMETRY/ 67 (growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti. 68 ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or chang*)).ab. 69 or/64-68 70 ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab. 71 47 and 63 69 and 70 73 or/71-72	45	postpartum or "follow* birth?") adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc* or decreas* or deficien*
48 exp *BREAST FEEDING/ breastfe*ti,tab. 50 (breast adj1 fe*).ti,ab. 51 (breast adj1 fe*).ti,ab. 52 *MILK, HUMAN/ 53 breastmilk.ti,ab. 54 ((breast or human) adj1 milk).ti,ab. 55 *LACTATION/ 56 lactat*.ti,ab. 57 galact#gog*.ti,ab. 58 *TONGUE/ 59 *TONGUE DISEASES/ 60 *MOUTH ABNORMALITIES/ 61 ((tongue or lip or oral* or frenu*) adj3 (tether* or tie*)).ti,ab. 62 (frenotom* or frenulotom* or ankyloglossi*).ti,ab. 63 or/48-62 64 *CHILD DEVELOPMENT/ 65 *GROWTH/ 66 *ANTHROPOMETRY/ 67 (growth* or weight* or length* or "body mass ind*" or BMI? or anthropomet*).ti. 68 ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab. 69 or/64-68 70 ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab. 71 47 and 63 69 and 70 73 or/71-72	46	or/43-45
herastfe*ti,ab.  breastfe*ti,ab.  breast*adj1 fe*j.ti,ab.  breast*adj3 (pump* or express* or collect*)).ti,ab.  "MILK, HUMAN/  breastmilk.ti,ab.  ((breast or human) adj1 milk).ti,ab.  LACTATION/  lactat*.ti,ab.  agalact#gog*.ti,ab.  "TONGUE/  "TONGUE/  "TONGUE DISEASES/  ((tongue or lip or oral* or frenu*) adj3 (tether* or tie*)).ti,ab.  ((frenotom* or frenulotom* or ankyloglossi*).ti,ab.  (frenotom* or frenulotom* or ankyloglossi*).ti,ab.  "ANTHROPOMETRY/  ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti.  ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab.  or/64-68  ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab.  11 47 and 63  9 and 70  or/71-72	47	23 or 30 or 42 or 46
(breast adj1 fe*),ti,ab.	48	exp *BREAST FEEDING/
breast* adj3 (pump* or express* or collect*)).ti,ab.  *MILK, HUMAN/ breastmilk.ti,ab.  ((breast or human) adj1 milk).ti,ab.  *LACTATION/ lactat*.ti,ab.  *TONGUE/  *TONGUE/  **MOUTH ABNORMALITIES/  ((frenotom* or frenulotom* or ankyloglossi*).ti,ab.  (frenotom* or frenulotom* or ankyloglossi*).ti,ab.  *CHILD DEVELOPMENT/  *GROWTH/  ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti.  ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or chang*)).ab.  ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab.  71 47 and 63  69 and 70  or/71-72	49	breastfe*.ti,ab.
*MILK, HUMAN/ breastnilk.ti,ab. ((breast or human) adj1 milk).ti,ab.  *LACTATION/ blactat*.ti,ab.  rongue/ *TONGUE/ *TONGUE DISEASES/ ((tongue or lip or oral* or frenu*) adj3 (tether* or tie*)).ti,ab.  ((tongue or lip or oral* or ankyloglossi*).ti,ab.  ((trenotom* or frenulotom* or ankyloglossi*).ti,ab.  (*CHILD DEVELOPMENT/  (growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti. ((growth* or weight* or height* or breast milk*" or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab.  or/64-68  ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab.	50	(breast adj1 fe*).ti,ab.
breastmilk.ti,ab.  ((breast or human) adj1 milk).ti,ab.  *LACTATION/  lactat*.ti,ab.    alactat*.ti,ab.   aglact#gog*.ti,ab.   *TONGUE/   aglact#gog*.ti,ab.   *TONGUE DISEASES/   *MOUTH ABNORMALITIES/   ((tongue or lip or oral* or frenu*) adj3 (tether* or tie*)).ti,ab.   (frenotom* or frenulotom* or ankyloglossi*).ti,ab.   (frenotom* or frenulotom* or ankyloglossi*).ti,ab.   arrows ar	51	(breast* adj3 (pump* or express* or collect*)).ti,ab.
<ul> <li>((breast or human) adj1 milk).ti,ab.</li> <li>*LACTATION/</li> <li>lactat*.ti,ab.</li> <li>galact#gog*.ti,ab.</li> <li>*TONGUE /</li> <li>*TONGUE DISEASES/</li> <li>*MOUTH ABNORMALITIES/</li> <li>((tongue or lip or oral* or frenu*) adj3 (tether* or tie*)).ti,ab.</li> <li>(frenotom* or frenulotom* or ankyloglossi*).ti,ab.</li> <li>or/48-62</li> <li>*CHILD DEVELOPMENT/</li> <li>*GROWTH/</li> <li>*ANTHROPOMETRY/</li> <li>(growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti.</li> <li>((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab.</li> <li>or/64-68</li> <li>((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab.</li> <li>47 and 63</li> <li>69 and 70</li> <li>or/71-72</li> </ul>	52	*MILK, HUMAN/
*LACTATION/ lactat*.ti,ab. galact#gog*.ti,ab.  *TONGUE/ *TONGUE DISEASES/  *MOUTH ABNORMALITIES/ ((tongue or lip or oral* or frenu*) adj3 (tether* or tie*)).ti,ab.  ((trenotom* or frenulotom* or ankyloglossi*).ti,ab.  (trenotom* or frenulotom* or ankyloglossi*).ti,ab.  (a)  *CHILD DEVELOPMENT/  *GROWTH/  (growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti.  ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or loss or chang*)).ab.  ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab.  71	53	breastmilk.ti,ab.
lactat*.ti,ab. galact#gog*.ti,ab. TONGUE/ s*TONGUE/ MOUTH ABNORMALITIES/ ((tongue or lip or oral* or frenu*) adj3 (tether* or tie*)).ti,ab. ((frenotom* or frenulotom* or ankyloglossi*).ti,ab. c/48-62  *ACHILD DEVELOPMENT/  *ANTHROPOMETRY/ ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti. ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or loss or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or degreess* or position* or attach*)).ti,ab.  71	54	((breast or human) adj1 milk).ti,ab.
57 galact#gog*.ti,ab.  *TONGUE/ 58 *TONGUE DISEASES/ 60 *MOUTH ABNORMALITIES/ 61 ((tongue or lip or oral* or frenu*) adj3 (tether* or tie*)).ti,ab. 62 (frenotom* or frenulotom* or ankyloglossi*).ti,ab. 63 or/48-62 64 *CHILD DEVELOPMENT/ 65 *GROWTH/ 66 *ANTHROPOMETRY/ 67 (growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti. 68 ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab. 69 or/64-68 70 ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or degress* or position* or attach*)).ti,ab. 71 47 and 63 72 69 and 70 73 or/71-72	55	*LACTATION/
*TONGUE/ *TONGUE DISEASES/ 60 *MOUTH ABNORMALITIES/ 61 ((tongue or lip or oral* or frenu*) adj3 (tether* or tie*)).ti,ab. 62 (frenotom* or frenulotom* or ankyloglossi*).ti,ab. 63 or/48-62 64 *CHILD DEVELOPMENT/ 65 *GROWTH/ 66 *ANTHROPOMETRY/ 67 (growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti. 68 ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab. 69 or/64-68 70 ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab. 71 47 and 63 72 69 and 70 73 or/71-72	56	lactat*.ti,ab.
*TONGUE DISEASES/  *MOUTH ABNORMALITIES/  ((tongue or lip or oral* or frenu*) adj3 (tether* or tie*)).ti,ab.  ((frenotom* or frenulotom* or ankyloglossi*).ti,ab.  or/48-62  *CHILD DEVELOPMENT/  *GROWTH/  (growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti.  ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab.  or/64-68  ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab.  47 and 63  69 and 70  or/71-72	57	galact#gog*.ti,ab.
*MOUTH ABNORMALITIES/ ((tongue or lip or oral* or frenu*) adj3 (tether* or tie*)).ti,ab. ((frenotom* or frenulotom* or ankyloglossi*).ti,ab. or/48-62  *CHILD DEVELOPMENT/  *GROWTH/  *ANTHROPOMETRY/ (growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti. ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab.  or/64-68 ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab.  47 and 63 69 and 70 or/71-72	58	*TONGUE/
<ul> <li>((tongue or lip or oral* or frenu*) adj3 (tether* or tie*)).ti,ab.</li> <li>((frenotom* or frenulotom* or ankyloglossi*).ti,ab.</li> <li>or/48-62</li> <li>*CHILD DEVELOPMENT/</li> <li>*GROWTH/</li> <li>*ANTHROPOMETRY/</li> <li>((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti.</li> <li>((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab.</li> <li>or/64-68</li> <li>((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab.</li> <li>47 and 63</li> <li>69 and 70</li> <li>or/71-72</li> </ul>	59	*TONGUE DISEASES/
62 (frenotom* or frenulotom* or ankyloglossi*).ti,ab. 63 or/48-62 64 *CHILD DEVELOPMENT/ 65 *GROWTH/ 66 *ANTHROPOMETRY/ 67 (growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti. 68 ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab. 69 or/64-68 70 ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab. 71 47 and 63 72 69 and 70 73 or/71-72	60	*MOUTH ABNORMALITIES/
or/48-62  64 *CHILD DEVELOPMENT/ 65 *GROWTH/ 66 *ANTHROPOMETRY/ 67 (growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti. 68 ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab. 69 or/64-68  70 ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab. 71 47 and 63 72 69 and 70 73 or/71-72	61	((tongue or lip or oral* or frenu*) adj3 (tether* or tie*)).ti,ab.
*CHILD DEVELOPMENT/ GS *GROWTH/ G6 *ANTHROPOMETRY/ G7 (growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti. G8 ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab. G9 or/64-68 G0 ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab. G9 and G3 G9 and G7 G73 or/71-72	62	(frenotom* or frenulotom* or ankyloglossi*).ti,ab.
*GROWTH/ 66 *ANTHROPOMETRY/ 67 (growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti. 68 ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab. 69 or/64-68 70 ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab. 71 47 and 63 72 69 and 70 73 or/71-72	63	or/48-62
*ANTHROPOMETRY/ (growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti.  ((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab.  or/64-68  ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab.  47 and 63 69 and 70 or/71-72	64	*CHILD DEVELOPMENT/
<ul> <li>(growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti.</li> <li>((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or lose or chang*)).ab.</li> <li>or/64-68</li> <li>((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab.</li> <li>47 and 63</li> <li>69 and 70</li> <li>or/71-72</li> </ul>	65	*GROWTH/
<ul> <li>((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab.</li> <li>or/64-68</li> <li>((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab.</li> <li>47 and 63</li> <li>69 and 70</li> <li>or/71-72</li> </ul>	66	*ANTHROPOMETRY/
<ul> <li>((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose or chang*)).ab.</li> <li>or/64-68</li> <li>((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab.</li> <li>47 and 63</li> <li>69 and 70</li> <li>or/71-72</li> </ul>	67	(growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*).ti.
<ul> <li>70 ((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab.</li> <li>71 47 and 63</li> <li>72 69 and 70</li> <li>73 or/71-72</li> </ul>	68	((growth* or weight* or height* or length* or "body mass ind*" or BMI? or anthropomet*) adj2 (infan* or neonat* or newborn* or baby or babies or measur* or parameter? or outcome? or gain* or increas* or decreas* or loss* or lose
inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress* or depress* or position* or attach*)).ti,ab.  47 and 63  69 and 70  or/71-72	69	or/64-68
72 69 and 70 73 or/71-72		((breastfe* or breast fe* or breastmilk* or "breast milk*" or lactat*) adj3 (support* or interven* or promot* or educat* or inform* or advis* or therap* or psychotherap* or schedul* or "baby led" or supplement* or produc* or diet* or stress*
73 or/71-72	71	47 and 63
	72	69 and 70
74 10 and 73 [Limit to: (Language English)]	73	or/71-72
	74	10 and 73 [Limit to: (Language English)]

# 2 E.9 Dietary advice and supplementation

1

#### E.9.1 Medline and Medline In-Process & Other Non-Indexed Citations

#	Searches
1	META-ANALYSIS/
2	META-ANALYSIS AS TOPIC/
3	(meta analy* or metanaly* or metaanaly*).ti,ab.
4	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
5	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
6	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
7	(search* adj4 literature).ab.
8	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
9	cochrane.jw.
10	or/1-9
11	randomized controlled trial.pt.
12	controlled clinical trial.pt.
13	pragmatic clinical trial.pt.
14	randomi#ed.ab.
15	placebo.ab.
16	randomly.ab.
17	CLINICAL TRIALS AS TOPIC/
18	trial.ti.
19	or/11-18
20	or/10,19

#	Searches CLIII D. DRESCHOOL
21	CHILD, PRESCHOOL/
22 23	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab. exp INFANT/
24	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
25	exp PEDIATRICS/
26	p?ediatric\$.ti,ab.
27	or/21-26
28	FAILURE TO THRIVE/
29	(fail\$ adj2 thriv\$).ti,ab.
30	FTT.ti,ab.
31	(falter\$ adj3 (weight or grow\$)).ti,ab.
32	or/28-31
33 34	27 and 32 *WEIGHT LOSS/
35	WEIGHT LOSS/ph [Physiology]
36	BODY WEIGHT CHANGES/
37	BODY WEIGHT MAINTENANCE/
38	IDEAL BODY WEIGHT/
39	WASTING SYNDROME/
40	*THINNESS/
41	EMACIATION/
42	ANOREXIA/
43	or/34-42
44 45	27 and 43 *CHILD NUTRITION DISORDERS/
46	*INFANT NUTRITION DISORDERS/
47	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
48	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
49	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
50	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
51	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under nutrition\$) adj1 (diagraps or problem\$)) or undernourish\$ or under nourish\$ or under nourish\$ or undernourish\$ or undern
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
52	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
53	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
54	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
55	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
33	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti.ab.
56	or/45-55
57	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
58	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
	dehyrat\$)).ti,ab.
59	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
60	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or
	"12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss
	or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
61	or/57-60
62	33 or 44 or 56 or 61
63	exp *DIET THERAPY/
64 65	NUTRITION THERAPY/ exp MEALS/
66	*DIET/
67	DIETETICS/
68	BOTTLE FEEDING/
69	((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or
	modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?)).ti,ab.
70	*DIETARY SUPPLEMENTS/
71	DIET, HIGH-FAT/
72	exp FOOD, FORMULATED/
73	exp *INFANT FOOD/
74 75	*FOOD, FORTIFIED/ *ENERGY INTAKE/
76	exp *MICRONUTRIENTS/
77	((calori\$ or fat? or protein? or energy) adj1 supplement\$).ti,ab.

#	Searches
78	((high or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab.
79	energy dens\$.ti,ab.
80	((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab.
81	((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or
	compl#ment\$ or fortif\$)).ti,ab.
82	((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.
83	(nutrition\$ feed\$ or energy powder?).ti,ab.
84	sip feed\$.ti,ab.
85	("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.
86	ready to feed.ti,ab.
87	(RUTF or RTF or PediaSure).ti,ab.
88	(oral nutrition\$ supplement\$ or ONS).ti,ab.
89	NUTRITIONAL SUPPORT/
90	*ENTERAL NUTRITION/
91	INTUBATION, GASTROINTESTINAL/
92	((enteral\$ or enteric\$ or intragastric\$ or intra gastric\$ or nasogastric\$ or naso gastric\$ or intraintestinal\$ or intra
	intestinal\$ or tube) adi1 (feed\$ or fed)).ti.ab.
93	or/63-92
94	62 and 93
95	27 and *NUTRITION DISORDERS/dh [Diet Therapy]
96	27 and *"FEEDING AND EATING DISORDERS"/dh [Diet Therapy]
97	CHILD NUTRITION DISORDERS/dh [Diet Therapy]
98	INFANT NUTRITION DISORDERS/dh [Diet Therapy]
99	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/dh [Diet Therapy]
100	FAILURE TO THRIVE/dh [Diet Therapy]
101	or/94-100
102	limit 101 to english language
103	LETTER/
104	EDITORIAL/
105	NEWS/
106	exp HISTORICAL ARTICLE/
107	ANECDOTES AS TOPIC/
108	COMMENT/
109	CASE REPORT/
110	(letter or comment*).ti.
111	or/103-110
112	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
113	111 not 112
114	ANIMALS/ not HUMANS/
115	exp ANIMALS, LABORATORY/
116	exp ANIMAL EXPERIMENTATION/
117	exp MODELS, ANIMAL/
118	exp RODENTIA/
119	(rat or rats or mouse or mice).ti.
120	or/113-119
121	102 not 120
122	20 and 121

E.9.2 Cochrane Central Register of Controlled Trials (CCTR)

	· , ,
#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,kw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab,kw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/

## Searches ## BODY WEIGHT MAINTENANCE/ ## BODY WEIGHT MAINTENANCE/ ## WASTING SYNDROME ## THINNESS* ## EMACRISTON ## WASTING SYNDROME ## THINNESS* ## EMACRISTON ## WASTING SYNDROME ## THINNESS* ## EMACRISTON ## WASTING SYNDROME ## THINNESS* ## THINNES		
DEAL BODY WEIGHT/ WASTING SYNDROME/ THINNESS' EMACUSTON ANOREXIA/ Or/14-22 7 and 23 7-14-22 7 and 23 7-14-23 7		
9 "THINNESS" 12 EMACIATION 23 or/14-22 24 A7 and 23 26 "CHILD NUTRITION DISORDERS) 27 "REEDING AND EATING DISORDERS OF CHILDHOOD? 28 (CHILD, PRESCHOOL) or apy INFANT) and "MALNUTRITION? 29 (CHILD, PRESCHOOL) or apy INFANT) and "MALNUTRITION? 30 (CHILD, PRESCHOOL) or apy INFANT) and "CROWTH DISORDERS.) 31 (CHILD or preschools) or pros-chools or todders or infans or neomats or newborns or baby or babies or pre#mie? or premise or premise) add? (Weight add (loss or loss or losing or reducts or decreass) or deficients))).i. ab. 31 (Child or preschools) or pros-chools or todders or infans or neomats or newborns or baby or babies or pre#mie? or newtonis or premise or premise) add? (Weight add (loss or loss or losing or reducts or decreass) or deficients)).i. ab. 32 (Inchild or preschools) or preschools or todders or infans or neomats or newborns or baby or babies or pre#mie? or nutritions) add! (disorders or proteines) add? (Gioss or instinctions) add. (Indisorders or premise) add. (Gioss or instinctions) add. (Indisor preschools or pre-schools or todders or infans or neomats or newborns or baby or babies or pre#mie? or premise premise) add. (Indisor preschools or pre-schools or todders or infans or neomats or newborns or baby or babies or pre#mie? or premise add. (Indiantitions or mainourish)), al.a. 32 (Indiad or preschools or pre-schools or todders or infans or neomats or newborns or baby or babies or pre#mie? or premise add (Indiantitions) or mainourish), and an experiment or premise add (Indiantitions) or mainourish), and or neomats or newborns or baby or babies or pre#mie? or premise add (Indiantitions) or mainourish), and or neomats or newborns or baby or babies or pre#mie? or premise or premise) add (Indiantitions) or mainourish), and or neomats or newborns or baby or babies or pre#mie? or premise or premise) add (Indiantitions) or mainourish), and or neomats or newborns or baby or babies or pre#mie? or premise or premise) add (Indiantitions) or mainourish), and or neomats or newborns or newborns or baby or ba		
THINNESS/ EMACREMA/ 3 or/14-22 3 roft-12-23 4 rand 23 5 "CHILD NUTRITION DISORDERS/ "FEEDING AND EATING DISORDERS OF CHILDHOOD!/ (CHILD, PRESCHOOL) or exp INFANT) and "MALNUTRITION/ (CHILD, PRESCHOOL) or exp INFANT) and "CROWTH DISORDERS/ (CHILD) or premise) add "(veight add) (loss or lose or losing or reducts or decreass or deficiens))), it, ab.  (Ichids or preschools or pre-schools or todders or infans or neonats or newborns or baby or babies or prefinie? or premise promise) add (indemotrations or poor nutritions or undemotrans) or underweight? or (ledes or east or neutritions) add (ideorders or problems) or promise) add (indemotrations or pro-schools or todders or infans or neonats or newborns or baby or babies or prefinie? or premise or premise) add (ideorders or prechools or todders or infans or neonats or newborns or baby or babies or prefinie? or premise or premise) add (ideorders or preschools or todders or infans or neonats or newborns or baby or babies or prefinie? or premise or premise) add (ideorders or infans or neonats or newborns or baby or babies or prefinie? or premise or premise) add (ideorders or infans or neonats or newborns or baby or babies or prefinie? or premise or premise) add (ideorders or infans or neonats or newborns or baby or babies or prefinie? or premise or premise) add (ideorders) add (ideorders) or premise) add (ideorders) add (ideorders) or neonats or newborns or baby or babies or prefinie? or premise or premise) add (ideorders) add (ideor		
ANDREWA  or vif4-22  ANDREWA  or vif4-22  ANDREWA  or vif4-22  7 and 23  **CHILD NUTRITION DISORDERS/*  **INFANT NUTRITION DISORDERS OF CHILDHOODY  (CHILD, PRESCHOOL/ or exp INFANT) and **MALNUTRITION/  (CHILD, PRESCHOOL/ or exp INFANT) and **CROWTH DISORDERS/  (CHILD, PRESCHOOL/ or exp INFANT) and **CROWTH DISORDERS/  (CHILD, Or preschools or pre-schools or lose or loseing or reducts or decreass or deficients)).1.a.b.  (Childs or preschools or pre-schools or lose or loseing or reducts or decreass or decreass or deficients)).1.a.b.  (Childs or preschools or pre-schools or todders or infants or neonats or newborns or baby or babies or prefinie? or permise or premise) and **Cloword or reducts or newborns or baby or babies or prefinie? or premise or premise) and **Cloword sor infants' or lose or newborns' or baby or babies or prefinie? or premise or premise) and **Cloword saint (Infants' or neonats' or newborns' or baby or babies or prefinie? or premise or premise) and **Cloword saint (Infants' or a lose or premise) and **Cloword saint (Infants' or a lose or premise) and **Cloword saint (Infants' or declineds' or proofs or fails)).1.a.b.  (Infants' or neonats' or newborns' or baby or babies or prefinie? or premise or premise) and **Cloword saint (Infants' or a lose of or lose or premise) and **Cloword saint (Infants' or a lose of or lose or premise) and **Cloword saint (Infants' or neonats' or newborns' or baby or babies or prefinie? or premise or premise) and **Cloword saint (Infants' or neonats' or newborns' or baby or babies or prefinie? or premise or premise) and **Cloword sor or lose or lose or lose or lose or lose or or lose or neonats' or newborns' or newborns' or baby or babies or p		
74-22 74 7and 23 75 "CHILD NUTRITION DISORDERS/ 76 "INFANT NUTRITION DISORDERS OF CHILDHOOD?' 76 (CHILD, PRESCHOOL or exp. INFANT) and "MALNUTRITION) 77 (CHILD, PRESCHOOL or exp. INFANT) and "GROWTH DISORDERS/ 78 (CHILD, PRESCHOOL or exp. INFANT) and "GROWTH DISORDERS/ 79 (CHILD, PRESCHOOL or exp. INFANT) and "GROWTH DISORDERS/ 70 (CHILD, PRESCHOOL or exp. INFANT) and "GROWTH DISORDERS/ 70 (CHILD, PRESCHOOL or exp. INFANT) and "GROWTH DISORDERS/ 71 (CHILD, PRESCHOOL or exp. INFANT) and "GROWTH DISORDERS/ 72 (CHILD, PRESCHOOL or exp. INFANT) and "GROWTH DISORDERS/ 73 (CHILD, Or preschools) or pre-schools or todeleds or infants or neonats or newborns or baby or babies or preffmie? or premie or premies) adj5 (undemutritions) or por nutritions, and (clinids) or preschools or preschools or problems) or vasting or thin or thins or emacists or anorexis or sunting or a nutrition), and (clinids) or preschools or preschool	21	
24 7 and 23 5 "CHILD NUTRITION DISORDERS/ 6**INFANT NUTRITION DISORDERS/ 7**FEDING AND EATING DISORDERS OF CHILDHOOD'/ 8**(CHILD, PRESCHOOL/ or exp INFANT) and "MANUTRITION/ 10**(CHILD, PRESCHOOL/ or exp INFANT) and "SANUTRITION/ 10**(CHILG) or preschools or pres-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premise premise) add (indemutritions or poor nutritions) add or undemournish or premise or premise) add (indisor preschools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premise or premise) add (indisor preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premise) add (indisor preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premise) add (indisor preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premise) add (indisor preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premise) add (indisor neonats or newborns or baby or babies or pre#mie? or premise) add (indisor neonats or newborns or baby or babies or pre#mie? or premise or premise) add (indisor neonats or newborns or baby or babies or pre#mie? or premise or premise) add (indisor neonats or newborns or baby or babies or pre#mie? or p		
<ul> <li>CHILD NUTRITION DISORDERS/</li> <li>"INFART NUTRITION DISORDERS OF CHILDHOOD!"</li> <li>CHILD, PRESCHOOL or exp INFART!") and "MALNUTRITION!</li> <li>CHILD, PRESCHOOL or exp INFART!") and "GROWTH DISORDERS/</li> <li>(CHILD, PRESCHOOL or exp INFART!") and "GROWTH DISORDERS/</li> <li>(Ichilds or preschools or preschools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) add! (Weight add) (loss or lose or losing or reduces or deficiens))), it.ab.</li> <li>(Ichilds or preschools) or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) add! (Indemotrations or proschools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) add! (Indemotrations or preschools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premies or premies) add! (Indemotrations or meschools or indedies or infans or neonats or newborns or baby or babies or pre#mie? or premies or premies) add! (Indemotrations or meschools or neonats or newborns or baby or babies or pre#mie? or premies or premies) add! (Indemotrations or meschools or neonats or newborns or baby or babies or pre#mie? or premie or premies) add! (Indemotrations or meschools or neonats or newborns or baby or babies or pre#mie? or premie or premies) add! (Indemotrations or meschools or neonats or newborns or baby or babies or pre#mie? or premie or premies) add! (Indemotrations or premies) add (Indemotrations)).</li> <li>(Ichilds or preschools or pre-schools or toddlers or infans or neonats? or newborns or baby or babies or pre#mie? or premie or premies) add (Indemotrations).</li> <li>(Iridnas or neonats or newborns or baby or babies or pre#mie? or premie or premies) add (Indemotrations).</li> <li>(Iridnas or neonats or newborns or baby or babies or pre#mie? or premie or premies) add (Indemotrations).</li> <li>(Iridnas or neonats or newborns or baby or babies or premi</li></ul>		
18 NIFANT NUTRITION DISORDERS/ 18 FEEDING AND EATING DISORDERS OF CHILDHOODY 18 (CHILD, PRESCHOOL/ or exp NIFANT) and "MALNUTRITION" 19 (CHILD, PRESCHOOL/ or exp NIFANT) and "GROWTH DISORDERS/ 10 (Ichids or preschools or preschools or todders or infans or neonats or newborns or baby or babies or pre#mie? or premise premise) and "Weight add) (loss or lose or losing or reducts or decreass or deficiens)), it.ab. 10 (Ichids or preschools or preschools or todders or infans or neonats or newborns or baby or babies or pre#mie? or premise) and (indemoturitions or poor nutritions) and in disorders or promeine or premise) and (indemoturitions or poor nutritions) or undemoturishs or undemoturishs, and or premise or premise) and "(Islows or insufficients) and under grains or newborns or baby or babies or pre#mie? or premise or premise) and "(Islows or insufficients) and under premise or premise) and "(Islows or insufficients) and under premise or premise) and "(Islows or insufficients) and under premise or premise) and "(Islows or insufficients) and under premise) and "(Islows or neonats" or newborns or baby or babies or pre#mie? or premise) and "(Islows or neonats" or newborns or baby or babies or pre#mie? or premise) and "(Islows or neonats" or newborns or baby or babies or premise) and "(Islows or neonats" or newborns or baby or babies or pre#mie? or premise) and "(Islows or neonats" or newborns or baby or babies or pre#mie? or premise) and "(Islows or neonats" or newborns or baby or babies or pre#mie? or premise) and "(Islows or neonats" or newborns or baby or babies or pre#mie? or premise) and "(Islows or neonats" or newborns or baby or babies or		
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premie or premies) adj2 (mainutrition\$ or mainourish\$)).ti.ab.  4 ((chid\$ or preschool\$ or pre-school\$ or toddlefs or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$)).ti.ab.  5 ((chid\$ or preschool\$ or pre-school\$ or toddlefs or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti.ab.  6 or/25-35  7 exp INFANT/ and (HYPERNATREMIA/ or "DEHYDRATION/)  8 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premies) adj10 (hypernatr\$ or dehyrats).ti.ab.  9 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnata\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)).ti.ab.  9 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnata\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)).ti.ab.  10 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or	33	
premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fais))),ti.ab.  5 ((chids or preschools or pre-schools or toddler\$ or infan\$ or neonans\$ or newborn\$ or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))),ti.ab.  6 or/25-35  7 exp INFANT/ and (HYPERNATREMIA/ or "DEHYDRATION/)  8 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrats),ti.ab.  9 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)),ti.ab.  40 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "15.\$" or "16.\$" or "17.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))),ti.ab.  41 or/37-40  42 13 or 24 or 36 or 41  42 13 or 24 or 36 or 41  43 exp "DET THERAPY/ or DIET THERAPY.kw.  44 "NUTRITION THERAPY/  45 exp "MEALS/ or MEAL.kw.  46 "DIETT-GS.sh.kw.  47 DIETT-GS.sh.kw.  48 "BOTTLE FEEDING/ or BOTTLE FEEDING.kw.  49 ((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequents or volume?)),ti.ab.  50 "DIETARY SUPPLEMENTS/ or DIET SUPPLEMENTATION.kw.  51 "DIET, HIGH-PAT/ or BIET BLIPD DIET.kw.  52 exp "FOOD, FORMULATED/ or ELEMENTAL DIET.kw.  53 exp "INFANT FOOD' or BABY FOOD.kw.  54 "FOOD, FORTIFIED/  55 "ENERGY INTAKE/ or CALORIC INTAKE.kw.  56 exp "MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  57 ((calon\$ or fat7 or protein? or energy) adj1 supplement\$\tau\$; or supplement\$ or compl#ment\$\tau\$ or compl#ment\$\tau\$ or compl#ment\$\tau\$ or compl#ment\$\tau\$ or forti\$\tau\$),ti.ab.  68 ((min\$ or here or pergy powder?),ti.ab.		premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
(child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.  or 25-35  re xp INFANT/ and (HYPERNATREMIA/ or "DEHYDRATION/) ((Infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$).ti,ab. ((Infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)),ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (*10.5" or "11.5" or "12.5" or "13.5" or "14.5" or "15.5" or "17.5" or "17.5" or "19.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)),ti,ab.  or infan* or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (*10.5" or "11.5" or "12.5" or "13.5" or "14.5" or "15.5" or "17.5" or "17.5" or "19.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)),ti,ab.  10	34	
premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ii, ab.  or 25-25-35  exp INFANT/ and (HYPERNATREMIA/ or "DEHYDRATION/)  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyratis).ii, ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ pirth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)), it, ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10,5" or "11.5" or "11.5	25	
36 or/25-35  7 exp INFANT/ and (HYPERNATREMIA/ or "DEHYDRATION!)  38 ((Infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$).it,ab.  39 ((Infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)).it,ab.  40 ((Infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.5" or "11.5" or "12.5" or "13.5" or "14.5" or "15.5" or	33	
38 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$), ti, ab.  39 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)), ti, ab.  40 ((infan\$ or neonat\$ or newborn\$ or baby or babies or premie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "15.\$" or "15.\$" or "15.\$" or "15.\$" or "12.\$" or "13.\$" or "13.\$" or "12.\$" or "13.\$" or "1	36	, , , , , , , , , , , , , , , , , ,
dehyrats),it,iab.  39 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))),ti,ab.  40 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.5" or "11.5" or "12.5" or "13.5" or "14.5" or "15.5" or "16.5" or "17.5" or "18.5" or "19.5" or "20.5") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))),ti,ab.  41 or/37-40  42 13 or 24 or 36 or 41  43 exp "DIET THERAPY or DIET THERAPY.kw.  44 "NUTRITION THERAPY/  45 exp "IDET THERAPY or DIET Kw.  46 "DIET or DIET.kw.  47 DIETETICS.sh.kw.  48 "BOTTLE FEEDING/ or BOTTLE FEEDING.kw.  49 ((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?)),ti,ab.  50 "DIETARY SUPPLEMENTS/ or DIET SUPPLEMENTATION.kw.  51 "DIET, HIGH-FAT/ or LIPID DIET.kw.  52 exp "INFANT FOOD/ or BABY FOOD.kw.  53 "FOOD, FORMULATED or ELEMENTAL DIET.kw.  54 exp "INFANT FOOD/ or BABY FOOD.kw.  55 "ENERGY INTAKE/ or CALORIC INTAKE.kw.  64 exp "MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN),kw.  65 ((fligh or increase) adj (calori\$ or faet? or protein? or energy) adj1 (supplement\$ or compl#ment\$),ti,ab.  66 ((mitk\$ or or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$ or compl#ment\$ or food?),ti,ab.  67 ((mutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or food?),ti,ab.  68 (oral nutrition\$ supplement\$ or oon\$),ti,ab.  69 "NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.	37	,
(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or deficien\$ or physiolog\$)).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "15.\$" or	38	
postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)).ti, ab.  ((infan\$ or neonat\$ or newbom\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "15.\$" or "15.\$" or "15.\$" or "15.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti, ab.  or/37-40  13 or 24 or 36 or 41  exp "DIET THERAPY/ or DIET THERAPY.kw.  "NUTRITION THERAPY/  exp "MEALS/ or MEAL.kw.  "DIETTO'S sh,kw.  "DIETTO'S sh,kw.  "BOTTLE FEEDING/ or BOTTLE FEEDING.kw.  ((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or varis or frequen\$ or volume?)).ti,ab.  "DIETARY SUPPLEMENTS/ or DIET SUPPLEMENTATION.kw.  "DIET, HIGH-FAT/ or LIPID DIET.kw.  exp "NOOD, FORMULATED/ or ELEMENTAL DIET.kw.  exp "NFANT FOOD/ or BABY FOOD.kw.  "FOOD, FORTIFIED/  "FOOD, FORTIFIED/  "ENERGY INTAKE/ or CALORIC INTAKE.kw.  exp "MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  ((caloris or fat? or protein? or energy) adj1 supplement\$).ti,ab.  ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab.  ((milk\$ or or macronutrient\$ or fior or or therap\$ or supplement\$ or compl#ment\$).ti,ab.  ((mutrient\$ or macronutrient\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or product\$ or supplement\$ or compl#ment\$ or fortif(s)),i.jab.  ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.  "Cready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.  "Cready to read by perment\$ or ONS),ti,ab.  "NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.  "The Supplement\$ or four NUTRITIONAL SUPPORT.kw.  "The Supplement\$ or four NUTRITIONAL SUPPORT.kw."	30	
physiolog\$)),it,iab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))),it,ab.  or/37-40  13 or 24 or 36 or 41  exp "DIET THERAPY/ or DIET THERAPY.kw.  "NUTRITION THERAPY/  exp "MEALS/ or MEAL.kw.  DIETT OF DIET.kw.  BOTTLE FEEDING/ or BOTTLE FEEDING.kw.  ((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?)), it,ab.  DIETT, HIGH-FAT/ or LIPID DIET.kw.  exp "DIETARY SUPPLEMENTS/ or DIET SUPPLEMENTATION.kw.  DIETT, HIGH-FAT/ or LIPID DIET.kw.  exp "INFANT FOOD/ or BABY FOOD.kw.  FOOD, FORNULATED/ or ELEMENTAL DIET.kw.  exp "INFANT FOOD/ or BABY FOOD.kw.  FOOD, FORNULATEO/ or CALORIC INTAKE.kw.  exp "MICRONUTRIENTS/ or ((MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  ((cloris or fat? or protein? or energy) adj1 supplement\$), it,ab.  ((fligh or increase) adj (caloris or fat? or protein? or energy) adj (diet\$ or intake?)), it,ab.  ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or supplement\$ or compl#ment\$), it,ab.  ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or supplorts or product\$ or supplement\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or food? or feed\$) adj (treatment? or therap\$ or supplorts or product\$ or supplement\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or formulas or food?)), it,ab.  (ready to use* adj2 (feed\$ or formulas or food?)), it,ab.  (ready to teed.ti,ab.  (road) to feed.ti,ab.  (oral nutrition\$ supplement\$ or ONS), it,ab.  **UNTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.	39	
or "13.5" or "14.5" or "15.5" or "16.5" or "17.5" or "18.5" or "19.5" or "20.5") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/37-40  13 or 24 or 36 or 41  exp "DIET THERAPY/ or DIET THERAPY.kw.  "NUTRITION THERAPY/  exp "MEALS/ or MEAL.kw.  "NUTRITION THERAPY.  be "DIET THERAPY or DIET THERAPY.kw.  "DIETETICS.sh,kw.  "BOTTLE FEEDING/ or BOTTLE FEEDING.kw.  (diets or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?)).ti,ab.  "DIETARY SUPPLEMENTS/ or DIET SUPPLEMENTATION.kw.  "ENERGY INTAKE/ or CALORIC INTAKE.kw.  exp "MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  ((in) "ODD, FORTIFED/  "ENERGY INTAKE/ or CALORIC INTAKE.kw.  exp "MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  ((in) "Interesse) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab.  ((in) "Interesse) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab.  ((in) "Interesse) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or ompl#ment\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or fortif\$)).ti,ab.  ((id) ((in) "Interesse) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab.  ((id) "Interesse adj2 (feed\$ or formula\$ or fortif\$)).ti,ab.  ("ready to use" adj		
losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/37-40  13 or 24 or 36 or 41  42 ty *DIET THERAPY/ or DIET THERAPY.kw.  43 *NUTRITION THERAPY/ 44 *NUTRITION THERAPY/ 45 exp *MEALS/ or MEAL.kw.  46 *DIETY or DIET.kw.  DIETETICS.sh,kw.  47 DIETETICS.sh,kw.  48 *BOTTLE FEEDING/ or BOTTLE FEEDING.kw.  49 ((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?)).ti,ab.  50 *DIETARY SUPPLEMENTS? or DIET SUPPLEMENTATION.kw.  51 *DIET, HIGH-FAT/ or LIPID DIET.kw.  52 exp *NFANT FOOD, FORMULATED/ or ELEMENTAL DIET.kw.  53 exp *INFANT FOOD/ or BABY FOOD, kw.  54 *FOOD, FORTIFIED/  55 *ENERGY INTAKE/ or CALORIC INTAKE.kw.  6 exp *MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  ((calori\$ or fat? or protein? or energy) adj1 supplement\$.ti,ab.  ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab.  61 ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or or or calcium) adj1 (supplement\$ or compl#ment\$ or or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or or compl#ment\$ or or compl#ment\$ or or compl#ment\$ or or or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  62 ((nutrition\$ feed\$ or energy powder?).ti,ab.  63 (ready to use* adj2 (feed\$ or formula\$ or food?)).ti,ab.  64 (ready to use* adj2 (feed\$ or formula\$ or food?)).ti,ab.  65 (ready to use* adj2 (feed\$ or formula\$ or NUTRITIONAL SUPPORT.kw.  70 *ENTERAL NUTRITION/  70 *ENTERAL NUTRITION/	40	
41 13 or 24 or 36 or 41 42 13 or 24 or 36 or 41 43 exp *DIET THERAPY/ or DIET THERAPY.kw. 44 *NUTRITION THERAPY/ 45 exp *MEALS/ or MEAL.kw. 46 *DIET/ or DIET.kw. 47 DIETETICS.sh.kw. 48 *BOTTLE FEEDING/ or BOTTLE FEEDING.kw. 49 ((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?)).ti, ab. 50 *DIETARY SUPPLEMENTS/ or DIET SUPPLEMENTATION.kw. 51 *DIET, HIGH-FAT/ or LIPID DIET.kw. 52 exp *FOOD, FORMULATED/ or ELEMENTAL DIET.kw. 53 exp *FOOD, FORMULATED/ or ELEMENTAL DIET.kw. 54 *FOOD, FORTIFIED/ 55 *ENERGY INTAKE/ or CALORIC INTAKE.kw. 56 exp *INTANT FOOD/ or BABY FOOD kw. 57 ((calori\$ or fat? or protein? or energy) adj1 supplement\$).ti, ab. 58 ((high or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti, ab. 59 energy dens\$.ti, ab. 60 ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti, ab. 61 ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or compl#ment\$ or or energy nutrition\$ or food? or feed\$) adj (treatment? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti, ab. 61 (nutrition\$ teed\$ or energy powder?).ti, ab. 62 ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti, ab. 63 (nutrition\$ supplement\$ or ONS).ti, ab. 64 (Pady to use" adj2 (feed\$ or formula\$ or food?)).ti, ab. 65 ("Terady to use" adj2 (feed\$ or formula\$ or food?)).ti, ab. 66 ("Terady to use" adj2 (feed\$ or formula\$ or food?)).ti, ab. 67 (RUTF or RTF or PediaSure).ti, ab. 68 (oral nutrition\$ supplement\$ or ONS).ti, ab. 69 *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.		
42 13 or 24 or 36 or 41 43 exp *DIET THERAPY/ or DIET THERAPY.kw. 44 *NURITION THERAPY/ 45 exp *MEALS/ or MEAL.kw. 46 *DIETT IT.S.h.kw. 48 *BOTTLE FEEDING/ or BOTTLE FEEDING.kw. 49 ((diet\$ or nutrition\$ or food or feed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?)).ti,ab. 50 *DIETARY SUPPLEMENTS/ or DIET SUPPLEMENTATION.kw. 51 *DIETARY SUPPLEMENTS/ or DIET SUPPLEMENTATION.kw. 52 exp *INFANT FOOD/ or BABY FOOD.kw. 53 exp *INFANT FOOD/ or BABY FOOD.kw. 54 *FOOD, FORMULATED/ or ELEMENTAL DIET.kw. 55 *ENERGY INTAKE/ or CALORIC INTAKE.kw. 66 exp *MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw. 67 ((calori\$ or fat? or protein? or energy) adj1 supplement\$).ti,ab. 68 ((milk\$ or increase) adj ((alori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab. 69 energy dens\$.ti,ab. 60 ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$).ti,ab. 61 ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or or fortif\$)).ti,ab. 62 ((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab. 63 (nutrition\$ feed\$ or energy powder?).ti,ab. 64 (ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab. 65 (ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab. 66 (ready to suse" adj2 (feed\$ or formula\$ or food?)).ti,ab. 67 (RUTF or RTF or PediaSure).ti,ab. 68 (oral nutrition\$ supplement\$ or ONS).ti,ab. 69 *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.	41	
44 *NUTRITION THERAPY/ 45 exp *MEALS/ or MEAL.w. 46 *DIET or DIET.kw. 47 DIETETICS.sh,kw. 48 *BOTTLE FEEDING/ or BOTTLE FEEDING.kw. 49 ((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?)).ti,ab. 50 *DIETARY SUPPLEMENTS/ or DIET SUPPLEMENTATION.kw. 51 *DIET, HIGH-FAT/ or LIPID DIET.kw. 52 exp *FOOD, FORMULATED/ or ELEMENTAL DIET.kw. 53 exp *INFANT FOOD/ or BABY FOOD.kw. 54 *FOOD, FORTIFIED/ 55 *ENERGY INTAKE/ or CALORIC INTAKE.kw. 66 exp *MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw. 67 ((calon\$ or fat? or protein? or energy) adj1 supplement\$).ti,ab. 68 ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab. 69 ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or or calcium) adj1 (supplement\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab. 60 (Inutrition\$ feed\$ or energy powder?).ti,ab. 61 (ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab. 62 (ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab. 63 (RUTF or RTF or PediaSure).ti,ab. 64 (RUTF or RTF or PediaSure).ti,ab. 65 (*NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw. 70 *ENTERAL NUTRITION/		13 or 24 or 36 or 41
exp *MEALS/ or MEAL.kw.  40 *DIETT or DIET.kw.  41 *DIETTICS.sh,kw.  42 *BOTTLE FEEDING/ or BOTTLE FEEDING.kw.  43 *BOTTLE FEEDING/ or BOTTLE FEEDING.kw.  44 *BOTTLE FEEDING/ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?)).ti,ab.  50 *DIETARY SUPPLEMENTS/ or DIET SUPPLEMENTATION.kw.  51 *DIET, HIGH-FAT/ or LIPID DIET.kw.  52 exp *FOOD, FORMULATED/ or ELEMENTAL DIET.kw.  53 exp *NFANT FOOD/ or BABY FOOD.kw.  54 *FOOD, FORTIFIED/  55 *ENERGY INTAKE/ or CALORIC INTAKE.kw.  66 exp *MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  57 ((cloir\$ or fat? or protein? or energy) adj1 supplement\$,1,i,ab.  58 ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab.  60 ((milk\$ or breastmilk\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or compl#ment\$ or or calcium) adj1 (supplement\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  61 ((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  62 ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.  63 ("RUTF or RTF or PediaSure).ti,ab.  64 ("NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.  70 *ENTERAL NUTRITION/  *ENTERAL NUTRITION/		•
## PIET/ or DIET.kw.  ## DIETETICS.sh,kw.  ## BOTTLE FEEDING/ or BOTTLE FEEDING.kw.  ## BOTTLE FEEDING/ or Feed or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?)).ti,ab.  ## DIET, HIGH-FAT/ or LIPID DIET.kw.  ## POOD, FORMULATED/ or ELEMENTAL DIET.kw.  ## POOD, FORMULATED/ or BABY FOOD.kw.  ## COOD, FORTIFIED/  ## ENERGY INTAKE/ or CALORIC INTAKE.kw.  ## WINCRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  ## ((calori\$ or fat? or protein? or energy) adj1 supplement\$.ti,ab.  ## ((milk\$ or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab.  ## ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab.  ## ((milk\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or compl#ment\$ or fortif\$)).ti,ab.  ## ((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  ## ((nutrition\$ feed\$ or energy powder?).ti,ab.  ## ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.  ## (RUTF or RTF or PediaSure).ti,ab.  ## (RUTF or RTF or PediaSure).ti,ab.  ## (VITETIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.)  ## ENTERAL NUTRITION/		
DIETETICS.sh,kw.  *BOTTLE FEEDING/ or BOTTLE FEEDING.kw.  ((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?).ti,ab.  *DIETARY SUPPLEMENTS/ or DIET SUPPLEMENTATION.kw.  *DIET, HIGH-FAT/ or LIPID DIET.kw.  exp *FOOD, FORMULATED/ or ELEMENTAL DIET.kw.  exp *INFANT FOOD/ or BABY FOOD.kw.  *FOOD, FORTIFIED/  *ENERGY INTAKE/ or CALORIC INTAKE.kw.  exp *MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  ((calori\$ or fat? or protein? or energy) adj1 supplement\$).ti,ab.  ((high or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab.  ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or supplement\$).ti,ab.  ((mutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$).ti,ab.  (nutrition\$ feed\$ or energy powder?).ti,ab.  ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.  (RUTF or RTF or PediaSure).ti,ab.  NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.  *ENTERAL NUTRITION/  *ENTERAL NUTRITION/  *ENTERAL NUTRITION/  *ENTERAL NUTRITION/		
*BOTTLE FEEDING/ or BOTTLE FEEDING.kw.  ((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?)).ti,ab.  *DIETARY SUPPLEMENTS/ or DIET SUPPLEMENTATION.kw.  *DIET, HIGH-FAT/ or LIPID DIET.kw.  exp *FOOD, FORMULATED/ or ELEMENTAL DIET.kw.  exp *FOOD, FORMULATED/ or ELEMENTAL DIET.kw.  *POOD, FORTIFIED/  *ENERGY INTAKE/ or CALORIC INTAKE.kw.  exp *MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  ((calori\$ or fat? or protein? or energy) adj1 supplement\$).ti,ab.  ((high or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab.  ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab.  ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$) or or calcium) adj1 (supplement\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  ((nutrition\$ feed\$ or energy powder?).ti,ab.  63 ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.  64 (RUTF or RTF or PediaSure).ti,ab.  65 ("ready to use" adj2 (feed\$ or formula\$ or NOS).ti,ab.  68 *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.  70 *ENTERAL NUTRITION/		
((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?)).ti,ab.  **DIETARY SUPPLEMENTS/ or DIET SUPPLEMENTATION.kw.  **DIET, HIGH-FAT/ or LIPID DIET.kw.  **exp *FOOD, FORMULATED/ or ELEMENTAL DIET.kw.  **exp *INFANT FOOD/ or BABY FOOD.kw.  **FOOD, FORTIFIED/  **ENERGY INTAKE/ or CALORIC INTAKE.kw.  **exp *MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  ((calori\$ or fat? or protein? or energy) adj1 supplement\$).ti,ab.  ((migh or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab.  ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab.  ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or compl#ment\$ or fortif\$)).ti,ab.  ((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.  ("ready to feed.ti,ab.  ("RUTF or RTF or PediaSure).ti,ab.  ("NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.  *ENTERAL NUTRITION/		
*DIETARY SUPPLEMENTS/ or DIET SUPPLEMENTATION.kw.  *DIET, HIGH-FAT/ or LIPID DIET.kw.  exp *FOOD, FORMULATED/ or ELEMENTAL DIET.kw.  sexp *INFANT FOOD/ or BABY FOOD.kw.  *FOOD, FORTIFIED/  *ENERGY INTAKE/ or CALORIC INTAKE.kw.  exp *MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  ((caloris or fat? or protein? or energy) adj1 supplements).ti,ab.  ((high or increase) adj (caloris or fat? or protein? or energy) adj (diets or intake?)).ti,ab.  ((milks or breastmilks or formulas) adj3 (fortifs or concentrats or supplements or compl#ments)).ti,ab.  ((diets or nutritions or food? or feeds) adj (treatment? or theraps or supports or products or supplements or compl#ments or fortifs)).ti,ab.  ((nutrients or macronutrients or micronutrients or vitamin? or mineral? or trace element? or biometals or zinc or iron or calcium) adj1 (supplements or compl#ments or fortifs)).ti,ab.  (3 (nutritions feeds or energy powder?).ti,ab.  (4 sip feeds.ti,ab.  (7 ready to use" adj2 (feeds or formulas or food?)).ti,ab.  (7 (RUTF or RTF or PediaSure).ti,ab.  (8 (val nutritions supplements or ONS).ti,ab.  *ENTERAL NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.  *ENTERAL NUTRITION/	49	((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$
*DIET, HIGH-FAT/ or LIPID DIET.kw.  exp *FOOD, FORMULATED/ or ELEMENTAL DIET.kw.  exp *INFANT FOOD/ or BABY FOOD.kw.  *FOOD, FORTIFIED/  *ENERGY INTAKE/ or CALORIC INTAKE.kw.  exp *MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  ((calori\$ or fat? or protein? or energy) adj1 supplement\$).ti,ab.  ((high or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab.  energy dens\$.ti,ab.  ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab.  ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  ((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  (nutrition\$ feed\$ or energy powder?).ti,ab.  ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.  (RUTF or RTF or PediaSure).ti,ab.  (RUTF or RTF or PediaSure).ti,ab.  (oral nutrition\$ supplement\$ or ONS).ti,ab.  *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.  *ENTERAL NUTRITION/		
exp *FOOD, FORMULATED/ or ELEMENTAL DIET.kw.  sexp *INFANT FOOD/ or BABY FOOD.kw.  *FOOD, FORTIFIED/  *ENERGY INTAKE/ or CALORIC INTAKE.kw.  exp *MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  ((calori\$ or fat? or protein? or energy) adj1 supplement\$).ti,ab.  ((high or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab.  energy dens\$.ti,ab.  ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab.  ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or compl#ment\$ or or calcium) adj1 (supplement\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  (nutrition\$ feed\$ or energy powder?).ti,ab.  ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.  (RUTF or RTF or PediaSure).ti,ab.  (RUTF or RTF or PediaSure).ti,ab.  *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.  *ENTERAL NUTRITION/		
exp *INFANT FOOD/ or BABY FOOD.kw.  *FOOD, FORTIFIED/  *ENERGY INTAKE/ or CALORIC INTAKE.kw.  exp *MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  ((calori\$ or fat? or protein? or energy) adj1 supplement\$).ti,ab.  ((high or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab.  energy dens\$.ti,ab.  ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab.  ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  ((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  ((ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.  (RUTF or RTF or PediaSure).ti,ab.  (oral nutrition\$ supplement\$ or ONS).ti,ab.  *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.  *ENTERAL NUTRITION/		·
*FOOD, FORTIFIED/  *ENERGY INTAKE/ or CALORIC INTAKE.kw.  **Comparison of fat? or protein? or energy) adj1 supplement\$).ti,ab.  **((calori\$ or fat? or protein? or energy) adj1 supplement\$).ti,ab.  **((high or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab.  **((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab.  **((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or compl#ment\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  **((nutrition\$ feed\$ or energy powder?).ti,ab.  **("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.  **(RUTF or RTF or PediaSure).ti,ab.  **(oral nutrition\$ supplement\$ or ONS).ti,ab.  **(oral nutrition\$ SUPPORT/ or NUTRITIONAL SUPPORT.kw.)  **ENTERAL NUTRITION/		
exp *MICRONUTRIENTS/ or (MACRONUTRIENT or TRACE ELEMENT or VITAMIN).kw.  ((calori\$ or fat? or protein? or energy) adj1 supplement\$).ti,ab.  ((high or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab.  energy dens\$.ti,ab.  ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab.  ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or compl#ment\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  ((nutrition\$ feed\$ or energy powder?).ti,ab.  ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.  ("RUTF or RTF or PediaSure).ti,ab.  (RUTF or RTF or PediaSure).ti,ab.  (oral nutrition\$ supplement\$ or ONS).ti,ab.  *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.  *ENTERAL NUTRITION/		
((calori\$ or fat? or protein? or energy) adj1 supplement\$).ti,ab. ((high or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab. energy dens\$.ti,ab. ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab. ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  ((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab. ((nutrition\$ feed\$ or energy powder?).ti,ab. ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab. ("ready to feed.ti,ab. (RUTF or RTF or PediaSure).ti,ab. (oral nutrition\$ supplement\$ or ONS).ti,ab. *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw. *ENTERAL NUTRITION/		
((high or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab. energy dens\$.ti,ab. ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab. ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  ((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab. ((nutrition\$ feed\$ or energy powder?).ti,ab. sip feed\$.ti,ab. ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab. (RUTF or RTF or PediaSure).ti,ab. (rutrition\$ supplement\$ or ONS).ti,ab.  *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw. *ENTERAL NUTRITION/		,
energy dens\$.ti,ab.  ((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab.  ((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  ((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  ((nutrition\$ feed\$ or energy powder?).ti,ab.  ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.  ("ready to feed.ti,ab.  (RUTF or RTF or PediaSure).ti,ab.  (oral nutrition\$ supplement\$ or ONS).ti,ab.  *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.  *ENTERAL NUTRITION/		(
<ul> <li>((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab.</li> <li>((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or fortif\$)).ti,ab.</li> <li>((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.</li> <li>(nutrition\$ feed\$ or energy powder?).ti,ab.</li> <li>sip feed\$.ti,ab.</li> <li>("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.</li> <li>ready to feed.ti,ab.</li> <li>(RUTF or RTF or PediaSure).ti,ab.</li> <li>(oral nutrition\$ supplement\$ or ONS).ti,ab.</li> <li>*NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.</li> <li>*ENTERAL NUTRITION/</li> </ul>		
<ul> <li>((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or fortif\$)).ti,ab.</li> <li>((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.</li> <li>(nutrition\$ feed\$ or energy powder?).ti,ab.</li> <li>sip feed\$.ti,ab.</li> <li>("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.</li> <li>ready to feed.ti,ab.</li> <li>(RUTF or RTF or PediaSure).ti,ab.</li> <li>(oral nutrition\$ supplement\$ or ONS).ti,ab.</li> <li>*NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.</li> <li>*ENTERAL NUTRITION/</li> </ul>		
<ul> <li>((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.</li> <li>(nutrition\$ feed\$ or energy powder?).ti,ab.</li> <li>sip feed\$.ti,ab.</li> <li>("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.</li> <li>ready to feed.ti,ab.</li> <li>(RUTF or RTF or PediaSure).ti,ab.</li> <li>(oral nutrition\$ supplement\$ or ONS).ti,ab.</li> <li>*NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.</li> <li>*ENTERAL NUTRITION/</li> </ul>		((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or
calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.  (nutrition\$ feed\$ or energy powder?).ti,ab.  sip feed\$.ti,ab.  ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.  ready to feed.ti,ab.  (RUTF or RTF or PediaSure).ti,ab.  (oral nutrition\$ supplement\$ or ONS).ti,ab.  *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.  *ENTERAL NUTRITION/	00	
63 (nutrition\$ feed\$ or energy powder?).ti,ab. 64 sip feed\$.ti,ab. 65 ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab. 66 ready to feed.ti,ab. 67 (RUTF or RTF or PediaSure).ti,ab. 68 (oral nutrition\$ supplement\$ or ONS).ti,ab. 69 *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw. 70 *ENTERAL NUTRITION/	62	
sip feed\$.ti,ab.  ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.  ready to feed.ti,ab.  (RUTF or RTF or PediaSure).ti,ab.  (oral nutrition\$ supplement\$ or ONS).ti,ab.  *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw.  *ENTERAL NUTRITION/	63	, , , , , , , , , , , , , , , , , , , ,
65 ("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab. 66 ready to feed.ti,ab. 67 (RUTF or RTF or PediaSure).ti,ab. 68 (oral nutrition\$ supplement\$ or ONS).ti,ab. 69 *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw. 70 *ENTERAL NUTRITION/		· · · · · · · · · · · · · · · · · · ·
67 (RUTF or RTF or PediaSure).ti,ab. 68 (oral nutrition\$ supplement\$ or ONS).ti,ab. 69 *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw. 70 *ENTERAL NUTRITION/		("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.
68 (oral nutrition\$ supplement\$ or ONS).ti,ab. 69 *NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw. 70 *ENTERAL NUTRITION/		•
*NUTRITIONAL SUPPORT/ or NUTRITIONAL SUPPORT.kw. 70 *ENTERAL NUTRITION/		·
70 *ENTERAL NUTRITION/		

#	Searches
72	((enteral\$ or enteric\$ or intragastric\$ or intra gastric\$ or nasogastric\$ or naso gastric\$ or intraintestinal\$ or intra intestinal\$ or tube) adj1 (feed\$ or fed)).ti,ab,kw.
73	or/43-72
74	42 and 73
75	7 and *NUTRITION DISORDERS/dh [Diet Therapy]
76	*CHILD NUTRITION DISORDERS/dh [Diet Therapy]
77	*INFANT NUTRITION DISORDERS/dh [Diet Therapy]
78	*"FEEDING AND EATING DISORDERS OF CHILDHOOD"/dh [Diet Therapy]
79	FAILURE TO THRIVE/dh [Diet Therapy]
80	or/74-79

## 2 E.9.3 Cochrane Database of Systematic Reviews (CDSR)

Coc	hrane Database of Systematic Reviews (CDSR)
#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	PEDIATRICS.kw.
6	p?ediatric\$.ti.ab.
7	07/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
0.4	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
25	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
35	or/24-34 (INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
36 37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
31	dehyrat\$)).ti,ab.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
00	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
	physiolog\$))).ti.ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$"
	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	or/36-39
41	13 or 23 or 35 or 40
42	DIET THERAPY.kw.

#	Searches
43	NUTRITION THERAPY kw.
44	MEALS.kw.
45	DIET.kw.
46	DIETETICS.kw.
47	BOTTLE FEEDING.kw.
48	((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?)).ab,ti.
49	DIETARY SUPPLEMENTS.kw.
50	DIET, HIGH-FAT.kw.
51	(FOOD, FORMULATED or INFANT FORMULA).kw.
52	INFANT FOOD.kw.
53	FOOD, FORTIFIED.kw.
54	ENERGY INTAKE.kw.
55	(MICRONUTRIENTS or TRACE ELEMENTS or VITAMINS).kw.
56	((calori\$ or fat? or protein? or energy) adj1 supplement\$).ab,ti.
57	((high or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ab,ti.
58	energy dens\$.ab,ti.
59	((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ab,ti.
60	((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or fortif\$)).ab,ti.
61	((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ab,ti.
62	(nutrition\$ feed\$ or energy powder?).ab,ti.
63	sip feed\$.ab,ti.
64	("ready to use" adj2 (feed\$ or formula\$ or food?)).ab,ti.
65	ready to feed.ab,ti.
66	(RUTF or RTF or PediaSure).ab,ti.
67	(oral nutrition\$ supplement\$ or ONS).ab,ti.
68	NUTRITIONAL SUPPORT.kw.
69	ENTERAL NUTRITION.kw.
70	INTUBATION, GASTROINTESTINAL.kw.
71	((enteral\$ or enteric\$ or intragastric\$ or intra gastric\$ or nasogastric\$ or naso gastric\$ or intraintestinal\$ or intra intestinal\$ or tube) adj1 (feed\$ or fed)).ab,ti.
72	or/42-71
73	41 and 72

E.9.4 Database of Abstracts of Reviews of Effects (DARE)

1

#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw,tx.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw,tx.
5	PEDIATRICS.kw.
6	p?ediatric\$.tw,tx.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).tw,tx.
10	FTT.tw,tx.
11	(falter\$ adj3 (weight or grow\$)).tw,tx.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or

#	Searches
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw,tx.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw,tx.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw,tx.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw,tx.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw,tx.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw,tx.
35	or/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw,tx.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
40	or/36-39
41	13 or 23 or 35 or 40
42	DIET THERAPY.kw.
43	NUTRITION THERAPY.kw.
44	MEALS.kw.
45	DIET.kw.
46	DIETETICS.kw.
47	BOTTLE FEEDING.kw.
48	((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?)).tw,tx.
49	DIETARY SUPPLEMENTS.kw.
50	DIET, HIGH-FAT.kw.
51 52	(FOOD, FORMULATED or INFANT FORMULA).kw. INFANT FOOD.kw.
53	FOOD, FORTIFIED.kw.
54	ENERGY INTAKE.kw.
55	(MICRONUTRIENTS or TRACE ELEMENTS or VITAMINS).kw.
56	((calori\$ or fat? or protein? or energy) adj1 supplement\$).tw,tx.
57	((high or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).tw,tx.
58	energy dens\$.tw,tx.
59	((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).tw,tx.
60	((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or fortif\$)).tw,tx.
61	((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).tw,tx.
62	(nutrition\$ feed\$ or energy powder?).tw,tx.
63	sip feed\$.tw,tx.
64	("ready to use" adj2 (feed\$ or formula\$ or food?)).tw,tx.
65	ready to feed.tw,tx.
66 67	(RUTF or RTF or PediaSure).tw,tx. (oral nutrition\$ supplement\$ or ONS).tw,tx.
68	NUTRITIONAL SUPPORT.kw.
69	ENTERAL NUTRITION.kw.
70	INTUBATION, GASTROINTESTINAL.kw.
71	((enteral\$ or enteric\$ or intragastric\$ or intra gastric\$ or nasogastric\$ or naso gastric\$ or intraintestinal\$ or intra intestinal\$ or tube) adj1 (feed\$ or fed)).tw,tx.
72	or/42-71
73	41 and 72

## E.9.5 Health Technology Assessment (HTA)

1

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) tw.

#	Searches  OVE DEDIATRICS/
5 6	exp PEDIATRICS/ p?ediatric\$.tw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).tw.
10	FTT.tw.
11	(falter\$ adj3 (weight or grow\$)).tw.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18 19	IDEAL BODY WEIGHT/ WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/ ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
30	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
0.	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
22	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
0.	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
39	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
	physiolog\$))).tw.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$"
	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
41	or/37-40
42 43	13 or 24 or 36 or 41 exp DIET THERAPY/
43	NUTRITION THERAPY/
45	exp FOOD SERVICES/
46	DIET/
47	DIETETICS/
48	BOTTLE FEEDING/
49	((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$
	or chang\$ or vary or vari\$ or frequen\$ or volume?)).tw.
50	DIETARY SUPPLEMENTS/
51	DIET, HIGH-FAT/
52	exp FOOD, FORMULATED/
53 54	exp INFANT FOOD/ FOOD, FORTIFIED/
54 55	ENERGY INTAKE/
56	exp MICRONUTRIENTS/
57	((calori\$ or fat? or protein? or energy) adj1 supplement\$).tw.
58	((high or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).tw.
59	energy dens\$.tw.
60	((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).tw.
61	((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or

#	Searches
	compl#ment\$ or fortif\$)).tw.
62	((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).tw.
63	(nutrition\$ feed\$ or energy powder?).tw.
64	sip feed\$.tw.
65	("ready to use" adj2 (feed\$ or formula\$ or food?)).tw.
66	ready to feed.tw.
67	(RUTF or RTF or PediaSure).tw.
68	(oral nutrition\$ supplement\$ or ONS).tw.
69	NUTRITIONAL SUPPORT/
70	ENTERAL NUTRITION/
71	INTUBATION, GASTROINTESTINAL/
72	((enteral\$ or enteric\$ or intragastric\$ or intra gastric\$ or nasogastric\$ or naso gastric\$ or intraintestinal\$ or intra intestinal\$ or tube) adj1 (feed\$ or fed)).tw.
73	or/43-72
74	42 and 73
75	7 and NUTRITION DISORDERS/dh [Diet Therapy]
76	7 and "FEEDING AND EATING DISORDERS"/dh [Diet Therapy]
77	CHILD NUTRITION DISORDERS/dh [Diet Therapy]
78	INFANT NUTRITION DISORDERS/dh [Diet Therapy]
79	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/dh [Diet Therapy]
80	FAILURE TO THRIVE/dh [Diet Therapy]
81	or/74-80

## 2 E.9.6 Embase

Emb	ase
#	Searches
1	SYSTEMATIC REVIEW/
2	META-ANALYSIS/
3	(meta analy* or metanaly* or metaanaly*).ti,ab.
4	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
5	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
6	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
7	(search* adj4 literature).ab.
8	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
9	((pool* or combined) adj2 (data or trials or studies or results)).ab.
10	cochrane.jw.
11	or/1-10
12	random*.ti,ab.
13	factorial*.ti,ab.
14	(crossover* or cross over*).ti,ab.
15	((doubl* or singl*) adj blind*).ti,ab.
16	(assign* or allocat* or volunteer* or placebo*).ti,ab.
17	CROSSOVER PROCEDURE/
18	SINGLE BLIND PROCEDURE/
19	RANDOMIZED CONTROLLED TRIAL/
20	DOUBLE BLIND PROCEDURE/
21	or/12-20
22	or/11,21
23	PRESCHOOL CHILD/ or TODDLER/
24	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
25	exp INFANT/
26	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
27	exp PEDIATRICS/
28	p?ediatric\$.ti,ab.
29	or/23-28
30	FAILURE TO THRIVE/
31	(fail\$ adj2 thriv\$).ti,ab.
32	FTT.ti,ab.
33	(falter\$ adj3 (weight or grow\$)).ti,ab.
34	or/30-33
35	29 and 34
36	*WEIGHT REDUCTION/
37	WEIGHT CHANGE/
38	WEIGHT FLUCTUATION/
39	WEIGHT VARIATION/
40	WASTING SYNDROME/

#	Searches
41	EMACIATION/
42	*ANOREXIA/
43	or/36-42
44	29 and 43
45	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *NUTRITIONAL DISORDER/
46	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *EATING DISORDER/
47	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *MALNUTRITION/
48	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *GROWTH DISORDER/
49	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
50	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
51	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
52	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
53	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
54	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
55	or/45-54
56	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
57	NEONATAL WEIGHT LOSS/
58	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
59	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
60	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
61	or/56-60
62	35 or 44 or 55 or 61
63	exp *DIET THERAPY/
64	*MEAL/
65	*DIET/
66	*DIETETICS/
67	*BOTTLE FEEDING/
68	((diet\$ or nutrition\$ or food or feed\$ or bottlefeed\$ or meal? or mealtime? or milk\$ or breastmilk\$) adj1 (advi\$ or modif\$ or chang\$ or vary or vari\$ or frequen\$ or volume?)).ti,ab.
69	*DIET SUPPLEMENTATION/
70	*LIPID DIET/
71	exp *BABY FOOD/
72	*ELEMENTAL DIET/
73	*CALORIC INTAKE/
74 75	*MACRONUTRIENT/
75 76	exp *TRACE ELEMENT/ exp *VITAMIN/
76 77	((calori\$ or fat? or protein? or energy) adj1 supplement\$).ti,ab.
78	((high or increase) adj (calori\$ or fat? or protein? or energy) adj (diet\$ or intake?)).ti,ab.
79	energy dens\$.ti,ab.
80	((milk\$ or breastmilk\$ or formula\$) adj3 (fortif\$ or concentrat\$ or supplement\$ or compl#ment\$)).ti,ab.
81	((diet\$ or nutrition\$ or food? or feed\$) adj (treatment? or therap\$ or support\$ or product\$ or supplement\$ or compl#ment\$ or fortif\$)).ti,ab.
82	((nutrient\$ or macronutrient\$ or micronutrient\$ or vitamin? or mineral? or trace element? or biometal\$ or zinc or iron or calcium) adj1 (supplement\$ or compl#ment\$ or fortif\$)).ti,ab.
83	(nutrition\$ feed\$ or energy powder?).ti,ab.
84	sip feed\$.ti,ab.
85	("ready to use" adj2 (feed\$ or formula\$ or food?)).ti,ab.
86	ready to feed.ti,ab.
87	(RUTF or RTF or PediaSure).ti,ab.
88	(oral nutrition\$ supplement\$ or ONS).ti,ab.
89	*NUTRITIONAL SUPPORT/
90	*ENTERIC FEEDING/
91	exp *DIGESTIVE TRACT INTUBATION/
92	((enteral\$ or enteric\$ or intragastric\$ or intra gastric\$ or nasogastric\$ or naso gastric\$ or intraintestinal\$ or intra intestinal\$ or tube) adj1 (feed\$ or fed)).ti,ab.
93	or/63-92
94	62 and 93
95	limit 94 to english language

#	Searches
96	letter.pt. or LETTER/
97	note.pt.
98	editorial.pt.
99	CASE REPORT/ or CASE STUDY/
100	(letter or comment*).ti.
101	or/96-100
102	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
103	101 not 102
104	ANIMAL/ not HUMAN/
105	NONHUMAN/
106	exp ANIMAL EXPERIMENT/
107	exp EXPERIMENTAL ANIMAL/
108	ANIMAL MODEL/
109	exp RODENT/
110	(rat or rats or mouse or mice).ti.
111	or/103-110
112	95 not 111
113	22 and 112

## 2 E.10 Non-nutritional interventions

## 3 E.10.1 Medline and Medline In-Process & Other Non-Indexed Citations

#	Searches
1	META-ANALYSIS/
2	META-ANALYSIS AS TOPIC/
3	(meta analy* or metanaly* or metaanaly*).ti,ab.
4	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
5	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
6	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
7	(search* adj4 literature).ab.
8	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
9	cochrane.jw.
10	or/1-9
11	randomized controlled trial.pt.
12	controlled clinical trial.pt.
13	pragmatic clinical trial.pt.
14	randomi#ed.ab.
15	placebo.ab.
16	randomly.ab.
17	CLINICAL TRIALS AS TOPIC/
18	trial.ti.
19	or/11-18
20	or/10,19
21	CHILD, PRESCHOOL/
22	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
23	exp INFANT/
24	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
25	exp PEDIATRICS/
26	p?ediatric\$.ti,ab.
27	or/21-26
28	FAILURE TO THRIVE/
29	(fail\$ adj2 thriv\$).ti,ab.
30	FTT.ti,ab.
31	(falter\$ adj3 (weight or grow\$)).ti,ab.
32	or/28-31
33	27 and 32
34	*WEIGHT LOSS/
35	WEIGHT LOSS/ph [Physiology]
36	BODY WEIGHT CHANGES/
37	BODY WEIGHT MAINTENANCE/
38	IDEAL BODY WEIGHT/
39	WASTING SYNDROME/
40	*THINNESS/
41	EMACIATION/
42	ANOREXIA/

#	Searches
43	or/34-42
44	27 and 43
45 46	*CHILD NUTRITION DISORDERS/ *INFANT NUTRITION DISORDERS/
47	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
48	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
49	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
50	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
51	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
52	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
53	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
54	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
55	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
56	or/45-55
57	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
58	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
59	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
60	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or roduo\$ or defining\$ or physiclog\$\)) in the
61	or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab. or/57-60
62	33 or 44 or 56 or 61
63	exp BEHAVIOR THERAPY/
64	BEHAVIOR CONTROL/
65	exp FOOD HABITS/
66	EATING/px [Psychology]
67	WEANING/
68	FEEDING BEHAVIOR/
69 70	FOOD PREFERENCES/ FEEDING METHODS/
71	MYOFUNCTIONAL THERAPY/
72	SOCIAL BEHAVIOR/
73	COOPERATIVE BEHAVIOR/
74	exp FAMILY RELATIONS/
75	exp DESENSITIZATION, PSYCHOLOGIC/
76	"COOKING AND EATING UTENSILS"/
77	CHILD CARE/
78	CHILD DAY CARE CENTERS/
79 80	NURSERIES/ ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab.
81	(feeds of meals) adj3 (behavs of foutine? of setting? of duration? of frequens)).ti,ab.  (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab.
82	wean\$.ti,ab.
83	social model\$.ti,ab.
84	((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.
85	((feed\$ or meal\$) adj3 (practi#e? or forc\$ or mechanistic\$ or persecut\$ or punish\$ or punitive\$)).ti,ab.
86	((feed\$ or meal\$) adj3 (observ\$ or video\$ or record\$ or support\$ or therap\$)).ti,ab.
87	((sensory or behav\$) adj3 (intervention\$ or modif\$ or therap\$)).ti,ab.
88	sequential oral sensory.ti,ab.
89	(SOS adj3 feed\$).ti,ab.
90 91	((eat\$ or masticat\$ or chew\$ or drink\$) adj3 (method? or technique? or practi#e? or experience\$)).ti,ab. ((speed\$ or slow\$ or fast\$ or pace? or pacing or efficien\$) adj3 (food? or feed\$ or fed or eat\$ or masticat\$ or meal\$ or drink\$)).ti,ab.
92	(ABA or applied behavio?ral analysis).ti,ab.
93	((oral or oralmotor or oromotor or oromotor or chew\$ or masticat\$) adj3 (therap\$ or intervention\$ or exercise\$ or train\$ or treat\$)).ti,ab.
94	(myofunctional therap\$ or oral myotherap\$ or orofacial myotherap\$ or oro facial myotherap\$).ti,ab.
95	((facial or buccal or labial or lingual or cheek? or lip? or tongue) adj3 (exercis\$ or strengthen\$)).ti,ab.
96	(child led feed\$ or finger food? or self fe?d\$).ti,ab.
97	(desensiti\$ or de-sensiti\$).ti,ab.

#	Searches
98	((cup? or utensil?) adj3 (feed\$ or fed or eat\$)).ti,ab.
99	(daycare? or day care? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.
100	((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.
101	or/63-100
102	62 and 101
103	27 and NUTRITION DISORDERS/px, rh [Psychology, Rehabilitation]
104	27 and *"FEEDING AND EATING DISORDERS"/px, rh, th [Psychology, Rehabilitation, Therapy]
105	CHILD NUTRITION DISORDERS/px, rh [Psychology, Rehabilitation]
106	INFANT NUTRITION DISORDERS/px, rh [Psychology, Rehabilitation]
107	*"FEEDING AND EATING DISORDERS OF CHILDHOOD"/px, rh, th [Psychology, Rehabilitation, Therapy]
108	FAILURE TO THRIVE/px, rh, th [Psychology, Rehabilitation, Therapy]
109	or/102-108
110	limit 109 to english language
111	LETTER/
112	EDITORIAL/
113	NEWS/
114	exp HISTORICAL ARTICLE/
115	ANECDOTES AS TOPIC/
116	COMMENT/
117	CASE REPORT/
118	(letter or comment*).ti.
119	or/111-118
120	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
121	119 not 120
122	ANIMALS/ not HUMANS/
123	exp ANIMALS, LABORATORY/
124	exp ANIMAL EXPERIMENTATION/
125	exp MODELS, ANIMAL/
126	exp RODENTIA/
127	(rat or rats or mouse or mice).ti.
128	or/121-127
129	110 not 128
130	20 and 129

#### 2 E.10.2 Cochrane Central Register of Controlled Trials (CCTR)

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,kw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab,kw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.

#	Searches
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or poor nutrition\$ or undernourish\$ or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or
32	stunted)).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
33	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab. ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
34	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
35 36	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab. or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
41	or/37-40
42	13 or 24 or 36 or 41
43 44	exp *BEHAVIOR THERAPY/ or BEHAVIOR THERAPY.kw.  *BEHAVIOR CONTROL/ or BEHAVIOR CONTROL.kw.
45	exp *FOOD HABITS/ or EATING HABIT.kw.
46	*EATING/px [Psychology]
47	*WEANING/ or WEANING.kw.
48 49	INFANT FEEDING.kw. *FEEDING BEHAVIOR/ or FEEDING BEHAVIOR.kw.
50	*FOOD PREFERENCES/ or FOOD PREFERENCES.kw.
51	*FEEDING METHODS/
52	*MYOFUNCTIONAL THERAPY/ or MUSCLE TRAINING.kw.
53 54	*SOCIAL BEHAVIOR/ or SOCIAL BEHAVIOR.kw. *COOPERATIVE BEHAVIOR/ or COOPERATION.kw.
55	exp *FAMILY RELATIONS/ or (FAMILY RELATION or FAMILY LIFE).kw.
56	exp *DESENSITIZATION, PSYCHOLOGIC/
57	*"COOKING AND EATING UTENSILS"/ or KITCHEN.kw.
58 59	*CHILD CARE/ or CHILD CARE.kw.  *CHILD DAY CARE CENTERS/ or DAY CARE.kw.
60	*NURSERIES/ or (NURSERY or KINDERGARTEN).kw.
61	((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab.
62	(famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab.
63	wean\$.ti,ab. social model\$.ti,ab.
64 65	((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.
66	((feed\$ or meal\$) adj3 (practi#e? or forc\$ or mechanistic\$ or persecut\$ or punish\$ or punitive\$)).ti,ab.
67	((feed\$ or meal\$) adj3 (observ\$ or video\$ or record\$ or support\$ or therap\$)).ti,ab.
68	((sensory or behav\$) adj3 (intervention\$ or modif\$ or therap\$)).ti,ab.
69 70	sequential oral sensory.ti,ab. (SOS adj3 feed\$).ti,ab.
71	((eat\$ or masticat\$ or chew\$ or drink\$) adj3 (method? or technique? or practi#e? or experience\$)).ti,ab.
72	((speed\$ or slow\$ or fast\$ or pace? or pacing or efficien\$) adj3 (food? or feed\$ or fed or eat\$ or masticat\$ or meal\$ or drink\$)).ti,ab.
73 74	(ABA or applied behavio?ral analysis).ti,ab.  ((oral or oralmotor or oromotor or oro motor or chew\$ or masticat\$) adj3 (therap\$ or intervention\$ or exercise\$ or train\$ or treat\$)).ti,ab.
75	(myofunctional therap\$ or oral myotherap\$ or orofacial myotherap\$ or oro facial myotherap\$).ti,ab.
76	((facial or buccal or labial or lingual or cheek? or lip? or tongue) adj3 (exercis\$ or strengthen\$)).ti,ab.
77	(child led feed\$ or finger food? or self fe?d\$).ti,ab.
78 79	(desensiti\$ or de-sensiti\$).ti,ab. ((cup? or utensil?) adj3 (feed\$ or fed or eat\$)).ti,ab.
80	((daycare? or day care? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.
81	((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.
82	or/43-81
83 84	42 and 82 7 and NUTRITION DISORDERS/px, rh [Psychology, Rehabilitation]
85	7 and "FEEDING AND EATING DISORDERS"/px, rh, th [Psychology, Rehabilitation, Therapy]
86	CHILD NUTRITION DISORDERS/px, rh [Psychology, Rehabilitation]

#	Searches
87	INFANT NUTRITION DISORDERS/px, rh [Psychology, Rehabilitation]
88	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/px, rh, th [Psychology, Rehabilitation, Therapy]
89	FAILURE TO THRIVE/px, rh, th [Psychology, Rehabilitation, Therapy]
90	or/83-89

#### 2 E.10.3 Cochrane Database of Systematic Reviews (CDSR)

	hrane Database of Systematic Reviews (CDSR)
#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	PEDIATRICS.kw.
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
	· · · · · · · · · · · · · · · · · · ·
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
_0	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
35	0r/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	or/36-39
41	13 or 23 or 35 or 40
42	BEHAVIOR THERAPY.kw.
43	BEHAVIOR CONTROL.kw.
44	FOOD HABITS.kw.
45	WEANING.kw.
46	FEEDING BEHAVIOR.kw.
47	FOOD PREFERENCES.kw.
48	FEEDING METHODS.kw.
40	I ELDINO ME I HODO.rw.

50 SC	YOFUNCTIONAL THERAPY.kw.
	OCIAL BEHAVIOR.kw.
51 C0	OOPERATIVE BEHAVIOR.kw.
52 FA	AMILY RELATIONS.kw.
53 DE	ESENSITIZATION, PSYCHOLOGIC.kw.
54 "C	COOKING AND EATING UTENSILS".kw.
55 CH	HILD CARE.kw.
56 CH	HILD DAY CARE CENTERS.kw.
57 NI	URSERIES.kw.
58 ((f	feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab.
59 (fa	amil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab.
60 we	ean\$.ti,ab.
61 so	ocial model\$.ti,ab.
	parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or noring)).ti,ab.
63 ((f	feed\$ or meal\$) adj3 (practi#e? or forc\$ or mechanistic\$ or persecut\$ or punish\$ or punitive\$)).ti,ab.
64 ((f	feed\$ or meal\$) adj3 (observ\$ or video\$ or record\$ or support\$ or therap\$)).ti,ab.
65 ((s	sensory or behav\$) adj3 (intervention\$ or modif\$ or therap\$)).ti,ab.
66 se	equential oral sensory.ti,ab.
	SOS adj3 feed\$).ti,ab.
68 ((e	eat\$ or masticat\$ or chew\$ or drink\$) adj3 (method? or technique? or practi#e? or experience\$)).ti,ab.
	speed\$ or slow\$ or fast\$ or pace? or pacing or efficien\$) adj3 (food? or feed\$ or fed or eat\$ or masticat\$ or meal\$ or ink\$)).ti,ab.
70 (A	ABA or applied behavio?ral analysis).ti,ab.
, ,	oral or oralmotor or oromotor or oro motor or chew\$ or masticat\$) adj3 (therap\$ or intervention\$ or exercise\$ or train\$ reat\$)).ti,ab.
72 (m	nyofunctional therap\$ or oral myotherap\$ or orofacial myotherap\$ or oro facial myotherap\$).ti,ab.
73 ((f	facial or buccal or labial or lingual or cheek? or lip? or tongue) adj3 (exercis\$ or strengthen\$)).ti,ab.
74 (cl	hild led feed\$ or finger food? or self fe?d\$).ti,ab.
75 (d	lesensiti\$ or de-sensiti\$).ti,ab.
76 ((c	cup? or utensil?) adj3 (feed\$ or fed or eat\$)).ti,ab.
77 (da	laycare? or day care? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.
78 ((a	attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.
79 or	/42-78
80 41	1 and 79

2 E.10.4 Database of Abstracts of Reviews of Effects (DARE)

#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw,tx.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw,tx.
5	PEDIATRICS.kw.
6	p?ediatric\$.tw,tx.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).tw,tx.
10	FTT.tw,tx.
11	(falter\$ adj3 (weight or grow\$)).tw,tx.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or

pramie or premies) adi? (Weight adi) (loss or lose or losing or raduc\$ or decreas\$ or deficien\$))). Iw.t.x.  (child\$ or preschool\$ or pre-school\$ or todder\$ or infar\$ or neonat\$ or newborn\$ or baby or bables or prefimie? or premie or premies) adi} (indemination\$ or under nutrition\$) or or newborn\$ or baby or bables or prefimie? or premie or premies) adi (indemination\$ or under nutrition\$) adi) (disorder\$ or problem\$)) or weating or thin or thin\$ or enacial\$ or anorex\$ or stunting or stunted.) Ix.v.x.  (child\$ or preschool\$ or preschool\$ or preschool\$ or todder\$ or inna\$ or neonat\$ or newborn\$ or baby or bables or prefimie? or premie or premies) adi? (clivit8 or insufficient\$) ad]2 weight adi2 gain\$). Iw.t.x.  (child\$ or preschool\$ or preschool\$ or todder\$ or inna\$ or neonat\$ or newborn\$ or baby or bables or prefimie? or premie or premies) adi2 (mainutinion\$ or mainourish\$). Iw.t.x.  (child\$ or preschool\$ or preschool\$ or todder\$ or inna\$ or neonat\$ or newborn\$ or baby or bables or prefimie? or premie or premies) adi7 (grow\$ adi). (disorder or deficient\$ or poor\$ or fali\$)). Iw.t.x.  (child\$ or preschool\$ or preschool\$ or todder\$ or inna\$ or neonat\$ or newborn\$ or baby or bables or prefimie? or premie or premies) adi7 (inpli?) adi3 (poor\$ or deficien\$ or poor\$ or fali\$)). Iw.t.x.  (child\$ or preschool\$ or preschool\$ or todder\$ or inna\$ or neonat\$ or newborn\$ or baby or bables or prefimie? or premie or premies) adi10 (hypermats* or (inflina*\$ or neonat\$ or newborn\$ or baby or bables or prefime? or premie or premies) adi10 (hypermats* or postpartum or follow\$ birth?) adi10 (lweight or fluid?) adi2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)), Iw.t.x.  (inflina\$ or neonat\$ or newborn\$ or baby or bables or prefimie? or premie or premies) adi10 (hypermats* or "11.5" or "12.5" or "13.5" or "1	щ	Coarabas
(childs or preschools or pre-schools or toddlers or infans" or neonats or newborns or baby or babies or premier or premie or premie or premier) and (indemutritions or under nutritions) and to under nutritions or undernouslish or anewast or stuffing or stutterolly, title.  (include or preschools or pre-schools or toddlers or infans" or neonats or newborns or baby or babies or premier? or premier or premier) and (include or premier) and (incl	#	Searches  premie or premies) adi7 (Weight adi3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))), tw tx.
premie or premies) adj7 ((SlowS or insufficients) adj2 weight adj2 gains)).w.k.v.  2 ((ChildS or preschools or preschools or toddlers for infanS or neonatS or newbornS or baby or babies or pre#mie? or premie or premies) adj2 (mainutritionS or malhoudinsS)).w.k.v.  3 ((ChildS or preschools or preschools or toddlers or infanS or neonatS or newbornS or baby or babies or pre#mie? or premie or premies) adj7 (growS adj1 (disorder or deficienS or poorS or failSi)).tw,tx.  4 ((ChildS or preschools or preschools or toddlers or infanS or neonatS or newbornS or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poorS or deficienS or shortS or smallS or retardS))).tw,tx.  5 or/24-34  6 (INFANT and (HYPERNATEMIA or DEHYDRATION)).kw.  7 ((InfanS or neonatS or newbornS or baby or babies or pre#mie? or premie or premies) adj10 (hypernattS or defivratS)).tw,tx.  8 ((InfanS or neonatS or newbornS or baby or babies or pre#mie? or premie or premies) adj10 (hypernattS or postpartum or followS birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficienS or physiologS)).tw,tx.  9 ((InfanS or neonatS or newbornS or baby or babies or pre#mie? or premie or premies) adj10 (*10.5" or *11.5" or *12.5" or *13.5" or *14.5" or *14.5" or *15.5" or *15.5" or *19.5" or *19.5" or *20.5" adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficienS or physiologS)).tw,tx.  9 ESHAVIOR THERAPY.kw.  9 ESHAVIOR THERAPY.kw.  9 ESHAVIOR CONTROL.kw.  10 FOOD PREFERENCES.kw.  10 FOOD PREFERENCES.kw.  11 A ORD OR SEHAVIOR.kw.  12 FAMILY RELATIONS.kw.  13 CHILD CARE.kw.  14 FEEDING BEHAVIOR.kw.  15 COOPERATIVE BEHAVIOR.kw.  16 COOPERATIVE BEHAVIOR.kw.  17 COORD OR MERICOS.kw.  18 FEEDING AND EATING UTENSILS* kw.  19 CHILD CARE.kw.  19 CHILD CARE.kw.  10 (IdeaS or mealS) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).tw,tx.  10 (IdeaS or mealS) adj3 (practiffe? or forc\$ or mechanistic\$ or persecut\$ or punishs or punitive\$)).tw,tx.  11 (IdeaS or or mealS adj3 (i		((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw,tx.
premie or premies) adj2 (mainutrition\$ or mainourish\$)).tw,tx.  3 ((childs or preschools or preschools or todder\$ or infan\$ or neonal\$ or newbom\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$)).tw,tx.  4 ((child\$ or preschool\$ or pre-school\$ or todder\$ or infan\$ or neonal\$ or neohabors or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw,tx.  5 ((InFANT and (HYPERNATREMIA or DEHYDRATION)).kw.  6 ((InFANT and (HYPERNATREMIA or DEHYDRATION)).kw.  7 ((Infan\$ or neonat\$ or newbom\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatt\$ or dehyrat\$)).tw,tx.  8 ((Infan\$ or neonat\$ or newbom\$ or baby or babies or pre#mie? or premie or premies) adj10 (learly or postnatal\$ or postpartum or follow\$ bitnf?) adj10 ((weight or fluid?) adj2 (loss or loss or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.  9 ((Infan\$ or neonat\$ or newbom\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.5" or "12.5" or "12.5" or "13.5" or "14.5" or "15.5" or	31	
premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))),tw,tx.  ((chid\$ or preschool\$ or preschool\$ or todder\$ or infant\$ or neonat\$ or neaborn\$ or baby or babies or pre#mie? or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))),tw,tx.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyvat\$)),tw,tx.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (poor postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))),tw,tx.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (*10.5" or *11.5" or *12.5" or *15.5" o	32	
premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw,tx.  5 or;24-34  5 ((INFANT and (HYPERNATREMIA or DEHYDRATION),tw.  7 ((Infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw,tx.  8 ((Infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ brith?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)).tw,tx.  9 ((Infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.5" or "14.5" or "14.5" or "15.5" or "16.5" or "15.5" or "15.	33	
35 or/24-34 (Infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$).tw,tx. (Infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$).tw,tx. (Infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hearly or postnatal\$ or postnatrum or follow\$ birn?) adj10 ((weight or fluid?) adj2 (loss or lose or loseing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)).tw,tx.  (Infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (*10.5" or "11.5" or "12.5" or "13.5" or "14.5" or "15.5" or "15.5" or "16.5" or "19.5" or "19.5" or "20.5") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)).tw,tx.  40 or/36-39 41 31 or 23 or 25 or 40 42 BEHAVIOR THERAPY.kw. 43 BEHAVIOR CONTROL.kw. 44 FOOD HABITs.kw. 45 WEANING.kw. 46 FEEDINS BEHAVIOR.kw. 47 FOOD PREFERENCES.kw. 48 FEEDINS METHODS.kw. 49 MYOFUNCTIONAL THERAPY.kw. 50 SOCIAL BEHAVIOR.kw. 50 SOCIAL BEHAVIOR.kw. 51 COOPERATIVE BEHAVIOR.kw. 52 FAMILY RELATIONS.kw. 53 DESENSITIZATION, PSYCHOLOGIC.kw. 54 'COOOKING AND EATING UTENSILS".kw. 55 CHILD DAY CARE CENTERS.kw. 56 CHILD DAY CARE CENTERS.kw. 57 NINSERIES.kw. 68 (Idea\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).tw,tx. 58 (Idea\$ or meal\$) adj3 (behav\$ or routine? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring).tw,tx. 58 (Idea\$ or meal\$) adj3 (behav\$ or routine? or caregiver?) adj3 (respons\$ or praising or reward\$ or ignore? or ignoring).tw,tx. 59 (Gees\$ or meal\$) adj3 (behav\$ or routine? or caregiver?) adj3 (respons\$ or praising or reward\$ or ignore? or ignore? or meal\$ or deficien\$ or meal\$ adj3 (behav\$ or routine? or routine? or practifie? or experience\$)).tw,tx. 60 (sensory or behav\$) adj3 (intervention\$ or modif\$ or therap\$)).tw,tx. 61 (sensory or eathav\$) adj3 (intervention\$ or or or forcial myotherap\$) or intervention\$ or exp	34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
(Infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrats), hu,bx.  (Infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj10 (learly or postnatals or postnatum or follows) birth?) adj10 (lewight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).hu,bx.  (Infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj10 (10,\$" or "11,\$" or "12,\$" or "13,\$" or "14,\$" or "15,\$" or "15,\$" or "16,\$" or "17,\$" or "18,\$" or "19,\$" or "20,\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).hu,bx.  40	35	
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postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)).twt.s.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.5" or "12.\$" or "13.5" or "	37	
"13.\$" or "14.\$" or "15.5" or "17.\$" or "18.\$" or "19.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.  40 or/36.39 41 13 or 23 or 35 or 40 42 BEHAVIOR THERAPY.kw. 43 BEHAVIOR CONTROL.kw. 44 FOOD HABITS.kw. 45 WEANING.kw. 46 FEEDING BEHAVIOR.kw. 47 FOOD PREFERENCES.kw. 48 FEEDING METHODS.kw. 49 MYOFUNCTIONAL THERAPY.kw. 50 SOCIAL BEHAVIOR.kw. 50 SOCIAL BEHAVIOR.kw. 51 COOPERATIVE BEHAVIOR.kw. 52 FAMILY RELATIONS.kw. 53 DESENSITIZATION, PSYCHOLOGIC.kw. 54 COOKING AND EATING UTENSILS".kw. 55 CHILD DAY CARE CENTERS.kw. 56 CHILD DAY CARE CENTERS.kw. 57 NURSERIES.kw. 58 ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).tw,tx. 59 ((famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).tw,tx. 50 ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).tw,tx. 50 ((feed\$ or meal\$) adj3 (bractifie? or forc\$ or mechanistic\$ or persecut\$ or punish\$ or punitive\$)).tw,tx. 51 ((feed\$ or meal\$) adj3 (observ\$ or video\$ or record\$ or support\$ or therap\$)).tw,tx. 52 ((feed\$ or meal\$) adj3 (observ\$ or video\$ or record\$ or support\$ or therap\$)).tw,tx. 53 ((feed\$ or meal\$) adj3 (observ\$ or video\$ or record\$ or support\$ or therap\$)).tw,tx. 54 ((feed\$ or meal\$) adj3 (observ\$ or video\$ or record\$ or support\$ or therap\$)).tw,tx. 55 ((feed\$ or meal\$) adj3 (observ\$ or routine? or mechanistic\$ or persecut\$ or punish\$ or punitive\$)).tw,tx. 56 ((feed\$ or meal\$) adj3 (observ\$ or video\$ or record\$ or support\$ or therap\$)).tw,tx. 56 ((feed\$ or meal\$) adj3 (observ\$ or routine? or mechanistic\$ or persecut\$ or punish\$ or punitive\$)).tw,tx. 57 (SOS adj3 feed\$).tw,tx. 58 ((feed\$ or meal\$) adj3 (observ\$ or routine? or or mechanistic\$ or	38	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
40 or/36-39 41 13 or 23 or 35 or 40 42 BEHAVIOR THERAPY.kw. 43 BEHAVIOR CONTROL.kw. 44 FOOD HABITS.kw. 45 WEANING.kw. 46 FEEDING BEHAVIOR.kw. 47 FOOD PREFRENCES.kw. 48 FEEDING METHODS.kw. 49 MYOFUNCTIONAL THERAPY.kw. 40 MYOFUNCTIONAL THERAPY.kw. 40 SOCIAL BEHAVIOR.kw. 41 SOCIAL BEHAVIOR.kw. 42 FAMILY RELATIONS.kw. 43 COOKING AND EATING UTENSILS*.kw. 44 COOKING AND EATING UTENSILS*.kw. 45 COPERATIVE BENSTIZATION.PSVCHOLOGIC.kw. 46 "COOKING AND EATING UTENSILS*.kw. 47 COOKING AND EATING UTENSILS*.kw. 48 (Ifleed's or mealfs) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).tw,tx. 49 (Ifleed's or mealfs) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).tw,tx. 40 weans.kux,tw. 41 (Ifleed's or mealfs) adj3 (behav\$ or routine? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignorier? or ignoring).tw,tx. 42 (Ifleed's or mealfs) adj3 (basen's or or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring).tw,tx. 43 (Ifleed's or mealfs) adj3 (obsen's or video\$ or record\$ or support\$ or therap\$)).tw,tx. 44 (Ifleed's or mealfs) adj3 (obsen's or video\$ or record\$ or support\$ or therap\$)).tw,tx. 45 ((sensory or behav\$) adj3 (intervention\$ or modif\$ or therap\$)).tw,tx. 46 ((sensory or behav\$) adj3 (intervention\$ or modif\$ or therap\$)).tw,tx. 47 ((son ar applied behavio?ral analysis).tw,tx. 48 ((sensory or albehavio?ral analysis).tw,tx. 49 ((sand or applied behavio?ral inalysis).tw,tx. 40 ((ration or almotor or ormotor or or or motor or chew\$ or masticat\$) adj3 (therepa\$ or intervention\$ or exercise\$ or train\$ or treat\$)).tw,tx. 40 ((ration or de-sensits)).tw,tx. 41 ((ration or uncolar or albehavio?ral inalysis).tw,tx. 42 ((deleed's or de-sensits)).tw,tx. 43 ((desensits) or de-sensits)).tw,tx. 44 ((deleed's or de-sensits)).tw,tx. 45 ((desensits) or de-sensits)).tw,tx. 46 (desensits) or de-sensits).tw,tx.	39	"13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
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sequential oral sensory.tw,tx.  (SOS adj3 feed\$).tw,tx.  ((eat\$ or masticat\$ or chew\$ or drink\$) adj3 (method? or technique? or practi#e? or experience\$)).tw,tx.  ((speed\$ or slow\$ or fast\$ or pace? or pacing or efficien\$) adj3 (food? or feed\$ or fed or eat\$ or masticat\$ or meal\$ or drink\$)).tw,tx.  (ABA or applied behavio?ral analysis).tw,tx.  ((oral or oralmotor or oromotor or oromotor or chew\$ or masticat\$) adj3 (therap\$ or intervention\$ or exercise\$ or train\$ or treat\$)).tw,tx.  ((myofunctional therap\$ or oral myotherap\$ or orofacial myotherap\$ or oro facial myotherap\$).tw,tx.  ((facial or buccal or labial or lingual or cheek? or lip? or tongue) adj3 (exercis\$ or strengthen\$)).tw,tx.  ((child led feed\$ or finger food? or self fe?d\$).tw,tx.  ((cup? or utensil?) adj3 (feed\$ or fed or eat\$)).tw,tx.  ((daycare? or day care? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).tw,tx.  ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).tw,tx.	64	
<ul> <li>(SOS adj3 feed\$).tw,tx.</li> <li>((eat\$ or masticat\$ or chew\$ or drink\$) adj3 (method? or technique? or practi#e? or experience\$)).tw,tx.</li> <li>((speed\$ or slow\$ or fast\$ or pace? or pacing or efficien\$) adj3 (food? or feed\$ or fed or eat\$ or masticat\$ or meal\$ or drink\$)).tw,tx.</li> <li>(ABA or applied behavio?ral analysis).tw,tx.</li> <li>((oral or oralmotor or oromotor or oromotor or chew\$ or masticat\$) adj3 (therap\$ or intervention\$ or exercise\$ or train\$ or treat\$)).tw,tx.</li> <li>(myofunctional therap\$ or oral myotherap\$ or orofacial myotherap\$ or oro facial myotherap\$).tw,tx.</li> <li>((facial or buccal or labial or lingual or cheek? or lip? or tongue) adj3 (exercis\$ or strengthen\$)).tw,tx.</li> <li>(child led feed\$ or finger food? or self fe?d\$).tw,tx.</li> <li>(desensiti\$ or de-sensiti\$).tw,tx.</li> <li>((cup? or utensil?) adj3 (feed\$ or fed or eat\$)).tw,tx.</li> <li>(daycare? or day care? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).tw,tx.</li> <li>((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).tw,tx.</li> </ul>		
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<ul> <li>((oral or oralmotor or oromotor or oro motor or chew\$ or masticat\$) adj3 (therap\$ or intervention\$ or exercise\$ or train\$ or treat\$)).tw,tx.</li> <li>(myofunctional therap\$ or oral myotherap\$ or orofacial myotherap\$ or oro facial myotherap\$).tw,tx.</li> <li>((facial or buccal or labial or lingual or cheek? or lip? or tongue) adj3 (exercis\$ or strengthen\$)).tw,tx.</li> <li>(child led feed\$ or finger food? or self fe?d\$).tw,tx.</li> <li>(desensiti\$ or de-sensiti\$).tw,tx.</li> <li>((cup? or utensil?) adj3 (feed\$ or fed or eat\$)).tw,tx.</li> <li>(daycare? or day care? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).tw,tx.</li> <li>((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).tw,tx.</li> </ul>	70	
(myofunctional therap\$ or oral myotherap\$ or orofacial myotherap\$ or oro facial myotherap\$).tw,tx.  ((facial or buccal or labial or lingual or cheek? or lip? or tongue) adj3 (exercis\$ or strengthen\$)).tw,tx.  ((child led feed\$ or finger food? or self fe?d\$).tw,tx.  ((desensiti\$ or de-sensiti\$).tw,tx.  ((cup? or utensil?) adj3 (feed\$ or fed or eat\$)).tw,tx.  ((daycare? or day care? or childminder? or babysit\$ or nursery or nurseries or kindergar#en?).tw,tx.  ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).tw,tx.		((oral or oralmotor or oromotor or oro motor or chew\$ or masticat\$) adj3 (therap\$ or intervention\$ or exercise\$ or train\$
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<ul> <li>(child led feed\$ or finger food? or self fe?d\$).tw,tx.</li> <li>(desensiti\$ or de-sensiti\$).tw,tx.</li> <li>((cup? or utensil?) adj3 (feed\$ or fed or eat\$)).tw,tx.</li> <li>(daycare? or day care? or childminder? or babysit\$ or nursery or nurseries or kindergar#en?).tw,tx.</li> <li>((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).tw,tx.</li> <li>or/42-78</li> </ul>		
75 (desensiti\$ or de-sensiti\$).tw,tx. 76 ((cup? or utensil?) adj3 (feed\$ or fed or eat\$)).tw,tx. 77 (daycare? or day care? or childminder? or childminder? or babysit\$ or nursery or nurseries or kindergar#en?).tw,tx. 78 ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).tw,tx. 79 or/42-78		
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77 (daycare? or day care? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).tw,tx. 78 ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).tw,tx. 79 or/42-78		
78 ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).tw,tx. 79 or/42-78	77	(daycare? or day care? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).tw,tx.
80 41 and 79		
	80	41 and 79

## 1 E.10.5 Health Technology Assessment (HTA)

	Consider
#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
5	exp PEDIATRICS/
6	p?ediatric\$.tw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).tw.
10	FTT.tw.
11	(falter\$ adj3 (weight or grow\$)).tw.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
24	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adi5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
	dehyrat\$)).tw.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
40	physiolog\$))).tw. ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$"
40	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
41	or/37-40
42	13 or 24 or 36 or 41
43	exp BEHAVIOR THERAPY/
44	BEHAVIOR CONTROL/
45	exp FOOD HABITS/
46	EATING/px [Psychology]
47	WEANING/
48	FEEDING BEHAVIOR/
49	FOOD PREFERENCES/
50	FEEDING METHODS/
51	MYOFUNCTIONAL THERAPY/
52	SOCIAL BEHAVIOR/
53	COOPERATIVE BEHAVIOR/
54	exp FAMILY RELATIONS/
55	exp DESENSITIZATION, PSYCHOLOGIC/
56	"COOKING AND EATING UTENSILS"/
57	CHILD CARE/
٥.	

#	Searches
58	CHILD DAY CARE CENTERS/
59	NURSERIES/
60	((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).tw.
61	(famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).tw.
62	wean\$.tw.
63	social model\$.tw.
64	((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).tw.
65	((feed\$ or meal\$) adj3 (practi#e? or forc\$ or mechanistic\$ or persecut\$ or punish\$ or punitive\$)).tw.
66	((feed\$ or meal\$) adj3 (observ\$ or video\$ or record\$ or support\$ or therap\$)).tw.
67	((sensory or behav\$) adj3 (intervention\$ or modif\$ or therap\$)).tw.
68	sequential oral sensory.tw.
69	(SOS adj3 feed\$).tw.
70	((eat\$ or masticat\$ or chew\$ or drink\$) adj3 (method? or technique? or practi#e? or experience\$)).tw.
71	((speed\$ or slow\$ or fast\$ or pace? or pacing or efficien\$) adj3 (food? or feed\$ or fed or eat\$ or masticat\$ or meal\$ or drink\$)).tw.
72	(ABA or applied behavio?ral analysis).tw.
73	((oral or oralmotor or oromotor or oro motor or chew\$ or masticat\$) adj3 (therap\$ or intervention\$ or exercise\$ or train\$ or treat\$)).tw.
74	(myofunctional therap\$ or oral myotherap\$ or orofacial myotherap\$ or oro facial myotherap\$).tw.
75	((facial or buccal or labial or lingual or cheek? or lip? or tongue) adj3 (exercis\$ or strengthen\$)).tw.
76	(child led feed\$ or finger food? or self fe?d\$).tw.
77	(desensiti\$ or de-sensiti\$).tw.
78	((cup? or utensil?) adj3 (feed\$ or fed or eat\$)).tw.
79	(daycare? or day care? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).tw.
80	((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).tw.
81	or/43-80
82	42 and 81
83	7 and NUTRITION DISORDERS/px, rh [Psychology, Rehabilitation]
84	7 and "FEEDING AND EATING DISORDERS"/px, rh, th [Psychology, Rehabilitation, Therapy]
85	CHILD NUTRITION DISORDERS/px, rh [Psychology, Rehabilitation]
86	INFANT NUTRITION DISORDERS/px, rh [Psychology, Rehabilitation]
87	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/px, rh, th [Psychology, Rehabilitation, Therapy]
88	FAILURE TO THRIVE/px, rh, th [Psychology, Rehabilitation, Therapy]
89	or/82-88

## 2 E.10.6 Embase

Embase	
#	Searches
1	SYSTEMATIC REVIEW/
2	META-ANALYSIS/
3	(meta analy* or metanaly* or metaanaly*).ti,ab.
4	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
5	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
6	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
7	(search* adj4 literature).ab.
8	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
9	((pool* or combined) adj2 (data or trials or studies or results)).ab.
10	cochrane.jw.
11	or/1-10
12	random*.ti,ab.
13	factorial*.ti,ab.
14	(crossover* or cross over*).ti,ab.
15	((doubl* or singl*) adj blind*).ti,ab.
16	(assign* or allocat* or volunteer* or placebo*).ti,ab.
17	CROSSOVER PROCEDURE/
18	SINGLE BLIND PROCEDURE/
19	RANDOMIZED CONTROLLED TRIAL/
20	DOUBLE BLIND PROCEDURE/
21	or/12-20
22	or/11,21
23	PRESCHOOL CHILD/ or TODDLER/
24	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
25	exp INFANT/
26	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
27	exp PEDIATRICS/
28	p?ediatric\$.ti,ab.

23		Occupies
SALLURE TO THRIVE/S   (fallis adj Lims/S), i, jab.	# 20	Searches
Italia adja thm/sji, itab.		
32 [FTT.il.ab. 3d]3 (weight or grow\$)).ti.ab. or "070-33 (raitor's adj3 (weight or grow\$)).ti.ab. or "070-33 3 29 and 34 36 "WEIGHT REDUCTION WEIGHT CHANGE    34 WEIGHT FLUCTUATION WEIGHT VARIATION    45 WEIGHT FLUCTUATION    46 WEIGHT FLUCTUATION    47 WEIGHT FLUCTUATION    48 WEIGHT FLUCTUATION    48 WEIGHT FLUCTUATION    49 WEIGHT FLUCTUATION    40 WASTING SYNDROME    41 EMACIATION    42 "ANDREXIA" or "36-42    43 gand 43 (PRESCHOOL CHILD" or TODDILER (or exp INFANT)) and "NUTRITIONAL DISORDER."    46 (PRESCHOOL CHILD" or TODDILER (or exp INFANT) and "FATING DISORDER."    47 (PRESCHOOL CHILD" or TODDILER (or exp INFANT) and "GROWTH DISORDER."    48 (PRESCHOOL CHILD" or TODDILER (or exp INFANT) and "GROWTH DISORDER."    49 (Childs or preschools or preschools or infants or neonats or newborn's or baby or babies or prefining or under weight? or underweight? or prefine? or newborns or baby or baby or babies or prefine? or premies and (Norwa and Indiana and Indiana.)    50 (Childs or preschools or newborns or baby or babies or prefine? or premie or premies		
33 (fallers adj3 (weight or grows)).i.ab. 34 or/30-33 35 29 and 34 36 "WEIGHT CHANGE" 37 WEIGHT FLUCTUNION 38 WEIGHT FLUCTUNION 39 WEIGHT FLUCTUNION 39 WEIGHT FLUCTUNION 30 WEIGHT FLUCTUNION 31 WASTING SYNDROME/ 41 EMACIATION 42 AND		
39		,
35 29 and 34  "WEIGHT CHANGE/ WEIGHT FLUCTUATION/ WEIGHT FLUCTUATION/ WASTING SYNDROME/ LANGER THE PLUCTUATION/ LANGER THE PLUCTUATION AND A THE PLUCT	34	, , , , , , , , , , , , , , , , , , , ,
WEIGHT FLUCTUATION WEIGHT VARIATION WEIGHT VARIATION WASTING SYNDROME/ HEADALTION WASTING SYNDROME/ LEMACIATION WASTING SYNDROME/ PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "NUTRITIONAL DISORDER/ (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "EATING DISORDER/ (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "MALNUTRITIONAL (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "MALNUTRITIONAL (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "MALNUTRITIONAL (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "MALNUTRITIONAL (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "MALNUTRITIONA (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "MALNUTRITIONA (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "MALNUTRITIONA (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "MALNUTRITIONA (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "MALNUTRITIONA (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "MALNUTRITIONA (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "MALNUTRITIONA (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "MALNUTRITIONA (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "MALNUTRITIONA (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "MALNUTRITIONA (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "MALNUTRITIONA (PRESCHOOL CHILD/ or Underweight? or (Medica exp Infant/ or neonats or neovorms's or baby or babies or pre#mie? or premie or premies) and "(Glowder or deficiens's or neonats or neovorms's or baby or babies or pre#mie? or premie or premies) add/ (Elowder or deficiens's or poor's or fall(s)).I.a.b. ((Child's or preschools or pre-schools or toddler's or infants or neonats or neovorms' or baby or babies or pre#mie? or premie or premies) add/ (Tolgrow's add/ (disorder or deficiens's or poor's fall(s)).I.a.b. ((Child's or preschools or pre-schools or toddler's or infants or neonats or neovorms' or baby or babies or pre#mie? or premie or premies) add/ to (tolgrow's add/ (disorder or deficiens's or shorts' or fall(s)).I.a.b. ((Child's or preschools or pre-schools or toddler's or infants').I.a.b	35	29 and 34
WEIGHT FLUCTUATION	36	*WEIGHT REDUCTION/
WEIGHT VARIATION  WASTING SYNDROME/  ## MACCATION  WASTING SYNDROME/  ## MACCATION  WASTING SYNDROME/  ## CAPACATION  WASTING SYNDROME/  ## CAPACATION  ## C	37	WEIGHT CHANGE/
40 WASTING SYNDROME/ 41 EMACIATION/ 42 "ANOREXIA/ 42 "29 and 43 "CPRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "NUTRITIONAL DISORDER/ 43 (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "EATING DISORDER/ 44 (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "EATING DISORDER/ 45 (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "ANALIVERITION/ 46 (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "GROWTH DISORDER/ 47 (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "GROWTH DISORDER/ 48 (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and "GROWTH DISORDER/ 49 (childS or preschools or pre-schools or toddlers or infants or neonats or newtoms or baby or babies or pre#mie? or premie or premies) add/ "Weight add/ (loss or loss or insants) and infants or neonats or methods or baby or babies or pre#mie? or insants or emaciats or anorexis or stunting or stunted). It is, in the preschools or pre-schools or toddlers or infants, and insants or neonats or baby or babies or pre#mie? or premie or premies) add/ "(Slow 6 or insufficiently). It is, in the preschools or pre-schools or toddlers or infants, and insufficiently add/ weight add/ gain(s). It is, i	38	WEIGHT FLUCTUATION/
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postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  61  or/56-60 62  35 or 44 or 55 or 61 63  *BEHAVIOR THERAPY/ 64  *BEHAVIOR CONTROL/ 65  *FEEDING BEHAVIOR/ 66  *POD PREFERENCES/ 66  *WEANING/ 67  *WEANING/ 68  *WEANING/ 69  *INFANT FEEDING/ 70  *MUSCLE TRAINING/ 71  *SOCIAL BEHAVIOR/ 72  *COOPERATION/ 69  *PFAMILY RELATION/ 69  *PFAMILY LIFE/ 75  *KITCHEN/ 76  *CHILD CARE/ 77  *KINDERGARTEN/ 78  *NURSERY/ 79  *DAY CARE/ 80  ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. 81  (femil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. 82  wean\$.ti,ab. 83  social model\$.ti,ab. 84  ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.	59	• • • • • • • • • • • • • • • • • • • •
((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/56-60 35 or 44 or 55 or 61 8BEHAVIOR THERAPY/  *BEHAVIOR CONTROL/  *FEEDING BEHAVIOR/  *FOOD PREFERENCES/  *ATING HABIT/  *WEANING/  *INFANT FEEDING/  *MUSCLE TRAINING/  *SOCIAL BEHAVIOR/  *COOPERATION/  exp *FAMILY RELATION/  exp *FAMILY RELATION/  exp *FAMILY LIFE/  *KITCHEN/  *CHILD CARE/  *NURSERY/  *DAY CARE/  ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab.  (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab.  social model\$.ti,ab.  social model\$.ti,ab.  ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.		
or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or /56-60 35 or 44 or 55 or 61 8EHAVIOR THERAPY/ 8EHAVIOR CONTROL/ 8EHAVIOR BEHAVIOR/ 66 *FOOD PREFERENCES/ 7EATING HABIT/ 88 **WEANING/ 89 **INFANT FEEDING/ 70 **MUSCLE TRAINING/ 71 *SOCIAL BEHAVIOR/ 72 *COOPERATION/ 89 *FAMILY RELATION/ 99 *FAMILY RELATION/ 90 **INTCHEN/ 71 *KITCHEN/ 72 *KINDERGARTEN/ 73 *KINDERGARTEN/ 74 *NURSERY/ 75 *NURSERY/ 76 *DAY CARE/ 80 ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. 81 (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. 82 wean\$.ti,ab. 83 social model\$.ti,ab. 84 ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignore? or ignoring)).ti,ab.		physiolog\$))).ti,ab.
or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/56-60  35 or 44 or 55 or 61  3 *BEHAVIOR THERAPY/  4 *BEHAVIOR CONTROL/  5 *FEEDING BEHAVIOR/  6 *FOOD PREFERENCES/  5 *EATING HABIT/  6 *WEANING/  *INFANT FEEDING/  *MUSCLE TRAINING/  *SOCIAL BEHAVIOR/  *COOPERATION/  exp *FAMILY RELATION/  exp *FAMILY LIFE/  *KITCHEN/  *KINDERGARTEN/  *NURSERY/  *DAY CARE/  ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab.  ((famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab.  social model\$.ti,ab.  ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring), ti,ab.	60	
or/56-60 35 or 44 or 55 or 61 35 behavior Therapy/ 64 *Behavior Control/ 65 *FEEDING Behavior/ 66 *FOOD PREFERENCES/ 67 *EATING HABIT/ 68 *WEANING/ 69 *INFANT FEEDING/ 70 *MUSCLE TRAINING/ 71 *SOCIAL BEHAVIOR/ 72 *COOPERATION/ 73 exp *FAMILY RELATION/ 74 exp *FAMILY LIFE/ 75 *KITCHEN/ 76 *CHILD CARE/ 77 *KINDERGARTEN/ 78 *NURSERY/ 79 *DAY CARE/ 80 ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. 81 (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. 82 wean\$.ti,ab. 83 social model\$.ti,ab. 84 ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.		or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose
35 or 44 or 55 or 61  *BEHAVIOR THERAPY/  *BEHAVIOR CONTROL/ 65 *FEDING BEHAVIOR/ 66 *FOOD PREFERENCES/ 67 *EATING HABIT/ 68 *WEANING/ 69 *INFANT FEEDING/ *MUSCLE TRAINING/ 70 *MUSCLE TRAINING/ 71 *SOCIAL BEHAVIOR/ 72 *COOPERATION/ 73 exp *FAMILY RELATION/ 74 exp *FAMILY LIFE/ 75 *KITCHEN/ 76 *CHILD CARE/ 77 *KINDERGARTEN/ 78 *NURSERY/ 79 *DAY CARE/ 80 ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. 81 (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. 82 wean\$.ti,ab. 83 social model\$.ti,ab. 84 ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.		
*BEHAVIOR THERAPY/ *BEHAVIOR CONTROL/ *FEEDING BEHAVIOR/ FOOD PREFERENCES/ *EATING HABIT/ *WEANING/ *WEANING/ *INFANT FEEDING/ *MUSCLE TRAINING/ *SOCIAL BEHAVIOR/ *COOPERATION/ *SPAMILY RELATION/ **COPERATION/ **		
*BEHAVIOR CONTROL/ *FEEDING BEHAVIOR/ *FEEDING BEHAVIOR/ *FOOD PREFERENCES/ *EATING HABIT/ *WEANING/ *INFANT FEEDING/ *MUSCLE TRAINING/ *SOCIAL BEHAVIOR/ *COOPERATION/ exp *FAMILY RELATION/ *A exp *FAMILY LIFE/ *KITCHEN/ *CHILD CARE/ *KINDERGARTEN/ *NURSERY/ *DAY CARE/ ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. social model\$.ti,ab. ((parent\$ or mother? or father? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.		
*FEEDING BEHAVIOR/ *FOOD PREFERENCES/ *EATING HABIT/ *WEANING/ 69 *INFANT FEEDING/ *MUSCLE TRAINING/ 70 *MUSCLE TRAINING/ 71 *SOCIAL BEHAVIOR/ 72 *COOPERATION/ 73 exp *FAMILY RELATION/ 74 exp *FAMILY LIFE/ 75 *KITCHEN/ 76 *CHILD CARE/ 77 *KINDERGARTEN/ 78 *NURSERY/ 79 *DAY CARE/ 80 ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. 81 (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. 82 wean\$.ti,ab. 83 social model\$.ti,ab. 84 ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.		
*FOOD PREFERENCES/ *EATING HABIT/ *WEANING/ *INFANT FEEDING/ *MUSCLE TRAINING/ *SOCIAL BEHAVIOR/ *COOPERATION/ exp *FAMILY RELATION/ *KITCHEN/ *KITCHEN/ *KITCHEN/ *KINDERGARTEN/ *NURSERY/ *NURSERY/ *DAY CARE/ ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab.  wean\$.ti,ab. social model\$.ti,ab. ((parent\$ or mother? or father? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.		
*EATING HABIT/ *WEANING/ *INFANT FEEDING/ *MUSCLE TRAINING/ *SOCIAL BEHAVIOR/ *COOPERATION/ exp *FAMILY RELATION/ *KITCHEN/ *KITCHEN/ *CHILD CARE/ *NURSERY/ *NURSERY/ ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab.  wean\$.ti,ab. social model\$.ti,ab. ((parent\$ or mother? or father? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.	66	
*WEANING/ *INFANT FEEDING/ *MUSCLE TRAINING/ *SOCIAL BEHAVIOR/ *COOPERATION/ exp *FAMILY RELATION/ exp *FAMILY LIFE/ *KITCHEN/ *CHILD CARE/ *NURSERY/ *NURSERY/ *DAY CARE/ ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. wean\$.ti,ab. social model\$.ti,ab. ((parent\$ or mother? or father? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.	67	
*INFANT FEEDING/ *MUSCLE TRAINING/ *SOCIAL BEHAVIOR/ *COOPERATION/ exp *FAMILY RELATION/ exp *FAMILY LIFE/ *KITCHEN/ *CHILD CARE/ *KINDERGARTEN/ *NURSERY/ *DAY CARE/ 80 ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. social model\$.ti,ab. ((parent\$ or mother? or father? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.	68	
*MUSCLE TRAINING/ *SOCIAL BEHAVIOR/ *COOPERATION/ exp *FAMILY RELATION/ exp *FAMILY LIFE/ *KITCHEN/ *CHILD CARE/ *KINDERGARTEN/ *NURSERY/ *DAY CARE/ ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. wean\$.ti,ab. social model\$.ti,ab. ((parent\$ or mother? or father? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.	69	
*SOCIAL BEHAVIOR/ *COOPERATION/ exp *FAMILY RELATION/ exp *FAMILY LIFE/ *KITCHEN/ *CHILD CARE/ *KINDERGARTEN/ *NURSERY/ *DAY CARE/ ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. wean\$.ti,ab. social model\$.ti,ab. ((parent\$ or mother? or father? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.	70	
exp *FAMILY RELATION/ exp *FAMILY LIFE/ *KITCHEN/ *CHILD CARE/ *KINDERGARTEN/ *NURSERY/ *DAY CARE/ ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. wean\$.ti,ab. social model\$.ti,ab. ((parent\$ or mother? or father? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.	71	*SOCIAL BEHAVIOR/
exp *FAMILY LIFE/  *KITCHEN/  *CHILD CARE/  *KINDERGARTEN/  *NURSERY/  *DAY CARE/  ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab.  (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab.  wean\$.ti,ab.  social model\$.ti,ab.  ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.	72	
*KITCHEN/ *CHILD CARE/ *KINDERGARTEN/ *NURSERY/ *DAY CARE/ ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. wean\$.ti,ab. social model\$.ti,ab. ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.	73	•
*CHILD CARE/ *KINDERGARTEN/ *NURSERY/ *DAY CARE/ ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. wean\$.ti,ab. social model\$.ti,ab. ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.	74	
*KINDERGARTEN/ *NURSERY/ *DAY CARE/ ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. wean\$.ti,ab. social model\$.ti,ab. ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.	75	
*NURSERY/ *DAY CARE/ ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. wean\$.ti,ab. social model\$.ti,ab. ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.		
*DAY CARE/ ((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab. (famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. wean\$.ti,ab. social model\$.ti,ab. ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.		
<ul> <li>((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab.</li> <li>(famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab.</li> <li>wean\$.ti,ab.</li> <li>social model\$.ti,ab.</li> <li>((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.</li> </ul>		
(famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab. wean\$.ti,ab. social model\$.ti,ab. ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.		
<ul> <li>wean\$.ti,ab.</li> <li>social model\$.ti,ab.</li> <li>((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.</li> </ul>		
social model\$.ti,ab.  ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.		
((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.	83	
ignoring)).ti,ab.	84	
	85	

#	Searches
86	((feed\$ or meal\$) adj3 (observ\$ or video\$ or record\$ or support\$ or therap\$)).ti,ab.
87	((sensory or behav\$) adj3 (intervention\$ or modif\$ or therap\$)).ti,ab.
88	sequential oral sensory.ti,ab.
89	(SOS adj3 feed\$).ti,ab.
90	((eat\$ or masticat\$ or chew\$ or drink\$) adj3 (method? or technique? or practi#e? or experience\$)).ti,ab.
91	((speed\$ or slow\$ or fast\$ or pace? or pacing or efficien\$) adj3 (food? or feed\$ or fed or eat\$ or masticat\$ or meal\$ or drink\$)).ti,ab.
92	(ABA or applied behavio?ral analysis).ti,ab.
93	((oral or oralmotor or oromotor or oro motor or chew\$ or masticat\$) adj3 (therap\$ or intervention\$ or exercise\$ or train\$ or treat\$)).ti,ab.
94	(myofunctional therap\$ or oral myotherap\$ or orofacial myotherap\$ or oro facial myotherap\$).ti,ab.
95	((facial or buccal or labial or lingual or cheek? or lip? or tongue) adj3 (exercis\$ or strengthen\$)).ti,ab.
96	(child led feed\$ or finger food? or self fe?d\$).ti,ab.
97	(desensiti\$ or de-sensiti\$).ti,ab.
98	((cup? or utensil?) adj3 (feed\$ or fed or eat\$)).ti,ab.
99	(daycare? or day care? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.
100	((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.
101	or/63-100
102	62 and 101
103	29 and NUTRITIONAL DISORDER/rh [Rehabilitation]
104	29 and *FEEDING DISORDER/rh, th [Rehabilitation, Therapy]
105	29 and *EATING DISORDER/rh, th [Rehabilitation, Therapy]
106	FAILURE TO THRIVE/rh, th [Rehabilitation, Therapy]
107	or/102-106
108	limit 107 to english language
109	letter.pt. or LETTER/
110	note.pt.
111	editorial.pt.
112	CASE REPORT/ or CASE STUDY/
113	(letter or comment*).ti.
114	or/109-113
115	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
116	114 not 115
117	ANIMAL/ not HUMAN/
118	NONHUMAN/
119	exp ANIMAL EXPERIMENT/
120	exp EXPERIMENTAL ANIMAL/
121	ANIMAL MODEL/
122	exp RODENT/
123	(rat or rats or mouse or mice).ti.
124	or/116-123
125	108 not 124
126	22 and 125

## 2 E.10.7 PsycInfo

PSy	PSYCINTO	
#	Searches	
1	control:.tw.	
2	effectiveness.tw.	
3	risk:.tw.	
4	or/1-3	
5	double-blind.tw.	
6	random: assigned.tw.	
7	control.tw.	
8	or/5-7	
9	("120" or "140" or "160").ag.	
10	PRESCHOOL STUDENTS/	
11	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,hw,id,jw.	
12	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,hw,id,jw.	
13	exp PEDIATRICS/	
14	p?ediatric\$.ti,ab,hw,id,jw.	
15	or/9-14	
16	FAILURE TO THRIVE/	
17	(fail\$ adj2 thriv\$).ti,ab.	
18	FTT.ti,ab.	
19	(falter\$ adj3 (weight or grow\$)).ti,ab.	
20	or/16-19	
21	15 and 20	

#	Searches WEIGHT LOSS/
22 23	WEIGHT LOSS/ UNDERWEIGHT/
24	CACHEXIA/
25	ANOREXIA NERVOSA/
26	or/22-25
27	15 and 26
28	EATING DISORDER/
29	FEEDING DISORDER/
30 31	NUTRITIONAL DEFICIENCIES/ or/28-30
32	15 and 31
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adi7 (Weight adi3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adi7 ((Slow\$ or insufficient\$) adi2 weight adi2 gain\$)).ti,ab.
36	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
37	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
38	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
39	or/33-38
40	("120" or "140").ag.
41 42	exp DEHYDRATION/ 40 and 41
43	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
44	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
45	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
46	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab. or/43-45
47	21 or 27 or 32 or 39 or 42 or 46
48	exp BEHAVIOR THERAPY/
49	BEHAVIOR MODIFICATION/
50 51	WEANING/ FOOD PREFERENCES/
52	SOCIAL BEHAVIOR/
53	COOPERATION/
54	SYSTEMATIC DESENSITIZATION THERAPY/
55	CHILD CARE/
56	CHILD DAY CARE/
57	DAY CARE CENTERS/
58 59	NURSERY SCHOOLS/ ((feed\$ or meal\$) adj2 (behav\$ or routine? or setting? or duration? or frequen\$) adj2 (advis\$ or interact\$ or chang\$ or
00	modifs or theraps)).ti,ab,id.
60	(famil\$ adj2 (meal\$ or food or feed\$ or fed or eat\$) adj2 (advis\$ or interact\$ or chang\$ or modif\$ or therap\$)).ti,ab,id.
61	wean\$.ti,ab,id.
62 63	social model\$.ti,ab,id.  ((parent\$ or mother? or father? or carer? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring) tile bid.
64	ignoring)).ti,ab,id. ((feed\$ or meal\$) adj3 (practi#e? or forc\$ or mechanistic\$ or persecut\$ or punish\$ or punitive\$)).ti,ab,id.
65	((feed\$ or meal\$) adj3 (observ\$ or video\$ or record\$ or support\$ or therap\$)).ti,ab,id.
66	((sensory or behav\$) adj1 (intervention\$ or modif\$ or therap\$)).ti,ab,id.
67	sequential oral sensory.ti,ab,id.
68 69	(SOS adj3 feed\$).ti,ab,id. ((eat\$ or masticat\$ or chew\$ or drink\$) adj2 (method? or technique? or practi#e?) adj2 (advis\$ or interact\$ or chang\$ or modif\$ or therap\$)).ti,ab,id.
70	((speed\$ or slow\$ or fast\$ or pace? or pacing or efficien\$) adj2 (food? or feed\$ or fed or eat\$ or masticat\$ or meal\$ or drink\$) adj2 (advis\$ or interact\$ or chang\$ or modif\$ or therap\$)).ti,ab,id.
71	(ABA or applied behavio?ral analysis).ti,ab,id.
72	((oral or oralmotor or oromotor or oro motor or chew\$ or masticat\$) adj3 (therap\$ or intervention\$ or exercise\$ or train\$ or treat\$)).ti,ab,id.
73	(myofunctional therap\$ or oral myotherap\$ or orofacial myotherap\$ or oro facial myotherap\$).ti,ab,id.
74 75	((facial or buccal or labial or lingual or cheek? or lip? or tongue) adj3 (exercis\$ or strengthen\$)).ti,ab,id.
13	(child led feed\$ or finger food? or self fe?d\$).ti,ab,id.

#	Searches
76	(desensiti\$ or de-sensiti\$).ti,ab,id.
77	((cup? or utensil?) adj3 (feed\$ or fed or eat\$)).ti,ab,id.
78	(daycare? or day care? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab,id.
79	((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab,id.
80	or/48-79
81	47 and 80
82	limit 81 to english language
83	4 and 82
84	8 and 82
85	or/83-84

## 2 E.10.8 Cumulative Index to Nursing and Allied Health Literature (CINAHL)

	nulative Index to Nursing and Allied Health Literature (CINAHL)
#	Searches
1	exp CLINICAL TRIALS/
2	((singl* adj1 blind*) OR (singl* adj1 mask*) OR (doubl* adj1 blind*) OR (doubl* adj1 mask*) OR (tripl* adj1 blind*) OR (tripl* adj1 mask*) OR (trebl* adj1 blind*) OR (trebl* adj1 mask*)).ti,ab
3	(clinic* adj1 trial*).ti,ab
4	"randomi* control* trial*".ti,ab
5	RANDOM ASSIGNMENT/
6	(random* adj1 allocat*).ti,ab
7	PLACEBOS/
8	placebo*.ti,ab
9	QUANTITATIVE STUDIES/
10	or/1-9
11	CHILD, PRESCHOOL/
12	(child* or preschool* or pre-school* or toddler*).ti,ab.
13	INFANT/ OR exp INFANT, NEWBORN/
14	(infan* or neonat* or newborn* or baby or babies or premie or premies).ti,ab.
15	exp PEDIATRICS/
16	(paediatric* OR pediatric*).ti,ab
17	or/11-16
18	FAILURE TO THRIVE/
19	(fail* adj2 thriv*).ti,ab.
20	FTT.ti,ab.
21	(falter* adj3 (weight or grow*)).ti,ab.
22	or/28-31
23	17 and 22
24	*WEIGHT LOSS/
25	BODY WEIGHT CHANGES/
26	WASTING SYNDROME/
27	*THINNESS/
28	ANOREXIA/
29	or/24-28
30	17 and 29
31	*CHILD NUTRITION DISORDERS/
32	*INFANT NUTRITION DISORDERS/
33	FEEDING AND EATING DISORDERS OF CHILDHOOD/
34	(CHILD, PRESCHOOL/ or INFANT/ or exp INFANT, NEWBORN/) and *MALNUTRITION/
35	(CHILD, PRESCHOOL/ or INFANT/ or exp INFANT, NEWBORN/) and *GROWTH DISORDERS/
36	((child* or preschool* or pre-school* or toddler* or infan* or neonat* or newborn* or baby or babies or pre*mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc* or decreas* or deficien*))).ti,ab.
37	((child* or preschool* or pre-school* or toddler* or infan* or neonat* or newborn* or baby or babies or pre*mie? or premie or premies) adj5 (undernutrition* or "under nutrition*" or "poor nutrition*" or undernourish* or "under nourish*" or "under weight?" or underweight? or ((feed* or eat* or nutrition*) adj1 (disorder* or problem*)) or wasting or thin or thinn* or emaciat* or anorexi* or stunting or stunted)).ti,ab.
38	((child* or preschool* or pre-school* or toddler* or infan* or neonat* or newborn* or baby or babies or pre*mie? or premie or premies) adj7 ((Slow* or insufficient*) adj2 weight adj2 gain*)).ti,ab.
39	((child* or preschool* or pre-school* or toddler* or infan* or neonat* or newborn* or baby or babies or pre*mie? or premie or premies) adj2 (malnutrition* or malnourish*)).ti,ab.
40	((child* or preschool* or pre-school* or toddler* or infan* or neonat* or newborn* or baby or babies or pre*mie? or premie or premies) adj7 (grow* adj1 (disorder or deficien* or poor* or fail*))).ti,ab.
41	((child* or preschool* or pre-school* or toddler* or infan* or neonat* or newborn* or baby or babies or pre*mie? or premie or premies) adj7 (height? adj3 (poor* or deficien* or short* or small* or retard*))).ti,ab.
42	or/31-41
43	(CHILD, PRESCHOOL/ OR INFANT/ OR exp INFANT, NEWBORN/) and (HYPERNATREMIA/ or *DEHYDRATION/)
44	((infan* or neonat* or newborn* or baby or babies or pre*mie? or premie or premies) adj10 (hypernatr* or dehyrat*)).ti,ab.
45	((infan* or neonat* or newborn* or baby or babies or pre*mie? or premie or premies) adj10 (early or postnatal* or

#	Searches
	postpartum or "follow* birth?") adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc* or decreas* or deficien* or
	physiolog*))).ti,ab.
46	or/43-45
47	23 or 30 or 42 or 46
48	EXP BEHAVIOR THERAPY/
49	FOOD HABITS/
50	WEANING/
51	EATING BEHAVIOR/
52	FOOD PREFERENCES/
53	FEEDING METHODS/
54	SOCIAL BEHAVIOR/
55	COOPERATIVE BEHAVIOR/
56	Exp FAMILY RELATIONS/
57	Exp DESENSITIZATION, PSYCHOLOGIC/
58	CHILD CARE/
59	CHILD DAY CARE/
60	Exp SCHOOLS, NURSERY/
61	((feed* or meal*) ADJ3 (behav* or routine* or setting* or duration* or frequen*)).ti,ab.
62	(famil* ADJ3 (meal* or food or feed* or fed or eat*)).ti,ab.
63	(wean* or "social model*").ti,ab.
64	((parent* or mother* or father* or carer* or caregiver*) ADJ3 (respons* or praise* or praising or reward* or ignore* or ignoring)).ti,ab.
65	((feed* or meal*) ADJ3 (practice* or forc* or mechanistic* or persecut* or punish* or punitive*)).ti,ab.
66	((feed* or meal*) ADJ3 (observ* or video* or record* or support* or therap*)).ti,ab.
67	((sensory or behav*) ADJ3 (intervention* or modif* or therap*)).ti,ab.
68	"sequential oral sensory".ti,ab.
69	(SOS ADJ3 feed*).ti,ab.
70	((eat* or masticat* or chew* or drink*) ADJ3 (method* or technique* or practice* or experience*)).ti,ab.
71	((speed* or slow* or fast* or pace* or pacing or efficien*) ADJ3 (food* or feed* or fed or eat* or masticat* or meal* or drink*)).ti,ab.
72	(ABA or "applied behavio* analysis").ti,ab.
73	((oral or oralmotor or oromotor or "oro motor" or chew* or masticat*) ADJ3 (therap* or intervention* or exercise* or train* or treat*)).ti,ab.
74	("myofunctional therap*" or "oral myotherap*" or "orofacial myotherap*" or "oro facial myotherap*").ti,ab.
75	((facial or buccal or labial or lingual or cheek* or lip* or tongue) ADJ3 (exercis* or strengthen*)).ti,ab.
76	("child led feed*" or "finger food*" or "self feed" or "self feed*").ti,ab.
77	(desensiti* or "de-sensiti*£).ti,ab.
78	((cup* or utensil*) ADJ3 (feed* or fed or eat*)).ti,ab.
79	(daycare* or "day care*" or childminder* or "child minder*" or babysit* or nursery or nurseries or kindergarden*).ti,ab.
80	((attend* or place* or care*) ADJ3 (preschool* or "pre school*")).ti,ab.
81	or/48-80
82	47 and 81
83	10 and 82 [Limit to: (Language English)]

2 E.10.9 Allied and Complementary Medicine Database (AMED)

#	Searches
1	CHILD PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	PEDIATRICS/
6	p?ediatric\$.ti,ab.
7	or/1-6
8	(fail\$ adj2 thriv\$).ti,ab.
9	FTT.ti,ab.
10	(falter\$ adj3 (weight or grow\$)).ti,ab.
11	or/8-10
12	7 and 11
13	WEIGHT LOSS/
14	ANOREXIA/
15	or/13-14
16	7 and 15
17	(CHILD PRESCHOOL/ or exp INFANT/) and NUTRITION DISORDERS/
18	(CHILD PRESCHOOL/ or exp INFANT/) and MALNUTRITION/
19	(CHILD PRESCHOOL/ or exp INFANT/) and GROWTH DISORDERS/
20	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))),ti,ab.

#	Searches
21	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or poor nutrition\$ or undernourish\$ or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
22	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
23	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
24	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
25	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
26	or/17-25
27	exp INFANT/ and DEHYDRATION/
28	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
29	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
30	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
31	or/27-30
32	12 or 16 or 26 or 31
33	exp BEHAVIOR THERAPY/
34	FEEDING BEHAVIOR/
35	FEEDING METHODS/
36	SOCIAL BEHAVIOR/
37	COOPERATIVE BEHAVIOR/
38	exp FAMILY RELATIONS/
39	CHILD CARE/
40	((feed\$ or meal\$) adj3 (behav\$ or routine? or setting? or duration? or frequen\$)).ti,ab.
41	(famil\$ adj3 (meal\$ or food or feed\$ or fed or eat\$)).ti,ab.
42	wean\$.ti,ab.
43	social model\$.ti,ab.
44	((parent\$ or mother? or father? or caregiver?) adj3 (respons\$ or praise? or praising or reward\$ or ignore? or ignoring)).ti,ab.
45	((feed\$ or meal\$) adj3 (practi#e? or forc\$ or mechanistic\$ or persecut\$ or punish\$ or punitive\$)).ti,ab.
46	((feed\$ or meal\$) adj3 (observ\$ or video\$ or record\$ or support\$ or therap\$)).ti,ab.
47	((sensory or behav\$) adj3 (intervention\$ or modif\$ or therap\$)).ti,ab.
48	sequential oral sensory.ti,ab.
49	(SOS adj3 feed\$).ti,ab.
50	((eat\$ or masticat\$ or chew\$ or drink\$) adj3 (method? or technique? or practi#e? or experience\$)).ti,ab.
51	((speed\$ or slow\$ or fast\$ or pace? or pacing or efficien\$) adj3 (food? or feed\$ or fed or eat\$ or masticat\$ or meal\$ or drink\$)).ti,ab.
52	(ABA or applied behavio?ral analysis).ti,ab.
53	((oral or oralmotor or oromotor or oro motor or chew\$ or masticat\$) adj3 (therap\$ or intervention\$ or exercise\$ or train\$
30	or treat\$)).ti,ab.
54	(myofunctional therap\$ or oral myotherap\$ or orofacial myotherap\$ or oro facial myotherap\$).ti,ab.
55	((facial or buccal or labial or lingual or cheek? or lip? or tongue) adj3 (exercis\$ or strengthen\$)).ti,ab.
56	(child led feed\$ or finger food? or self fe?d\$).ti,ab.
57	(desensiti\$ or de-sensiti\$).ti,ab.
58	((cup? or utensil?) adj3 (feed\$ or fed or eat\$)).ti,ab.
	((cup? or utensit?) adjs (feeds of fed of eats)).ti,ab. (daycare? or day care? or childminder? or childminder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.
59	
60	((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.
61	or/33-60

# 2 E.11 Monitoring

1

62 32 and 61

#### 3 E.11.1 Medline and Medline In-Process & Other Non-Indexed Citations

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	exp PEDIATRICS/

#	Searches
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE/ (fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18 19	IDEAL BODY WEIGHT/ WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27 28	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/ (CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL) of exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
32	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
02	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)),ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
25	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
35	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
00	dehyrat\$)).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
	physiolog\$))).ti,ab.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$"
	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
41	or/37-40
42 43	13 or 24 or 36 or 41 monitor\$.ti.
43	monitor\$.ab. /freq=2
45	((frequen\$ or regular\$ or routine\$) adj7 monitor\$).ti,ab.
46	((increas\$ or further or extra or additional\$ or more) adj7 monitor\$).ti,ab.
47	((professional\$ or parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj7
	(monitor\$ or concern\$)).ti,ab.
48	*BODY HEIGHT/ph [Physiology]
49 50	*BODY WEIGHT/ph [Physiology] ((height? or weight?) adj7 monitor\$).ti,ab.
50 51	((weigh or weighed) adj10 (week\$ or month\$ or year\$)).ti,ab.
52	*GROWTH/ph [Physiology]
53	*CHILD DEVELOPMENT/ph [Physiology]
54	exp *"OUTCOME AND PROCESS ASSESSMENT (HEALTH CARE)"/
55	or/43-54
56	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
57	42 and 55
58	42 and 56
59 60	or/57-58 limit 59 to english language
00	illilit 33 to driginal rallydaye

#	Searches
61	LETTER/
62	EDITORIAL/
63	NEWS/
64	exp HISTORICAL ARTICLE/
65	ANECDOTES AS TOPIC/
66	COMMENT/
67	CASE REPORT/
68	(letter or comment*).ti.
69	or/61-68
70	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
71	69 not 70
72	ANIMALS/ not HUMANS/
73	exp ANIMALS, LABORATORY/
74	exp ANIMAL EXPERIMENTATION/
75	exp MODELS, ANIMAL/
76	exp RODENTIA/
77	(rat or rats or mouse or mice).ti.
78	or/71-77
79	60 not 78

#### 2 E.11.2 Cochrane Central Register of Controlled Trials (CCTR)

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,kw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab.kw.
7	0r/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
30	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
01	premie or premies) adj5 (undernutrition\$ or poor nutrition\$ or undernourish\$ or underweight? or ((feed\$ or eat\$ or
	nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or
	stunted)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or

dehyrat\$)).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/37-40  13 or 24 or 36 or 41  monitor\$.ti.  monitor\$.ab. /freq=2  ((frequen\$ or regular\$ or routine\$) adj5 monitor\$).ti,ab.  ((increas\$ or further or extra or additional\$ or more) adj5 monitor\$).ti,ab.  ((professional\$ or parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 (monitor\$) or concern\$)).ti,ab.  *BODY HEIGHT/ph [Physiology]	#	Searches
<ul> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/37-40</li> <li>13 or 24 or 36 or 41</li> <li>monitor\$.ti.</li> <li>monitor\$.ab. /freq=2</li> <li>((frequen\$ or regular\$ or routine\$) adj5 monitor\$).ti,ab.</li> <li>((increas\$ or further or extra or additional\$ or more) adj5 monitor\$).ti,ab.</li> <li>((professional\$ or parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 (monitor\$ or concern\$)).ti,ab.</li> <li>*BODY HEIGHT/ph [Physiology]</li> <li>*BODY WEIGHT/ph [Physiology]</li> </ul>	#	
postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/37-40  13 or 24 or 36 or 41  monitor\$.ti.  monitor\$.ab. /freq=2  ((frequen\$ or regular\$ or routine\$) adj5 monitor\$).ti,ab.  ((increas\$ or further or extra or additional\$ or more) adj5 monitor\$).ti,ab.  ((professional\$ or parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 (monitor\$ or concern\$)).ti,ab.  *BODY HEIGHT/ph [Physiology]  *BODY WEIGHT/ph [Physiology]	00	, ,,,,
or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/37-40  13 or 24 or 36 or 41  monitor\$.ti.  monitor\$.ab. /freq=2  ((frequen\$ or regular\$ or routine\$) adj5 monitor\$).ti,ab.  ((increas\$ or further or extra or additional\$ or more) adj5 monitor\$).ti,ab.  ((professional\$ or parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 (monitor\$ or concern\$)).ti,ab.  *BODY HEIGHT/ph [Physiology]  *BODY WEIGHT/ph [Physiology]		postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or réduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
42 13 or 24 or 36 or 41 43 monitor\$.ti. 44 monitor\$.ab. /freq=2 45 ((frequen\$ or regular\$ or routine\$) adj5 monitor\$).ti,ab. 46 ((increas\$ or further or extra or additional\$ or more) adj5 monitor\$).ti,ab. 47 ((professional\$ or parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 (monitor\$ or concern\$)).ti,ab. 48 *BODY HEIGHT/ph [Physiology] 49 *BODY WEIGHT/ph [Physiology]	40	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
<ul> <li>43 monitor\$.ti.</li> <li>44 monitor\$.ab. /freq=2</li> <li>45 ((frequen\$ or regular\$ or routine\$) adj5 monitor\$).ti,ab.</li> <li>46 ((increas\$ or further or extra or additional\$ or more) adj5 monitor\$).ti,ab.</li> <li>47 ((professional\$ or parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 (monitor\$ or concern\$)).ti,ab.</li> <li>48 *BODY HEIGHT/ph [Physiology]</li> <li>49 *BODY WEIGHT/ph [Physiology]</li> </ul>	41	or/37-40
<ul> <li>monitor\$.ab. /freq=2</li> <li>((frequen\$ or regular\$ or routine\$) adj5 monitor\$).ti,ab.</li> <li>((increas\$ or further or extra or additional\$ or more) adj5 monitor\$).ti,ab.</li> <li>((professional\$ or parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 (monitor\$ or concern\$)).ti,ab.</li> <li>*BODY HEIGHT/ph [Physiology]</li> <li>*BODY WEIGHT/ph [Physiology]</li> </ul>	42	13 or 24 or 36 or 41
<ul> <li>45 ((frequen\$ or regular\$ or routine\$) adj5 monitor\$).ti,ab.</li> <li>46 ((increas\$ or further or extra or additional\$ or more) adj5 monitor\$).ti,ab.</li> <li>47 ((professional\$ or parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 (monitor\$ or concern\$)).ti,ab.</li> <li>48 *BODY HEIGHT/ph [Physiology]</li> <li>49 *BODY WEIGHT/ph [Physiology]</li> </ul>	43	monitor\$.ti.
<ul> <li>46 ((increas\$ or further or extra or additional\$ or more) adj5 monitor\$).ti,ab.</li> <li>47 ((professional\$ or parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 (monitor\$ or concern\$)).ti,ab.</li> <li>48 *BODY HEIGHT/ph [Physiology]</li> <li>49 *BODY WEIGHT/ph [Physiology]</li> </ul>	44	monitor\$.ab. /freq=2
<ul> <li>47 ((professional\$ or parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 (monitor\$ or concern\$)).ti,ab.</li> <li>48 *BODY HEIGHT/ph [Physiology]</li> <li>49 *BODY WEIGHT/ph [Physiology]</li> </ul>	45	((frequen\$ or regular\$ or routine\$) adj5 monitor\$).ti,ab.
(monitor\$ or concern\$)).ti,ab.  48 *BODY HEIGHT/ph [Physiology]  49 *BODY WEIGHT/ph [Physiology]	46	((increas\$ or further or extra or additional\$ or more) adj5 monitor\$).ti,ab.
49 *BODY WEIGHT/ph [Physiology]	47	, , ,
, . ,	48	*BODY HEIGHT/ph [Physiology]
50 ((height? or weight?) adi5 monitor\$),ti.ab.	49	*BODY WEIGHT/ph [Physiology]
(/g:β) -:-βγγγγ	50	((height? or weight?) adj5 monitor\$).ti,ab.
51 ((weigh or weighed) adj5 (week\$ or month\$ or year\$)).ti,ab.	51	((weigh or weighed) adj5 (week\$ or month\$ or year\$)).ti,ab.
52 *GROWTH/ph [Physiology]	52	*GROWTH/ph [Physiology]
53 *CHILD DEVELOPMENT/ph [Physiology]	53	*CHILD DEVELOPMENT/ph [Physiology]
54 exp *"OUTCOME AND PROCESS ASSESSMENT (HEALTH CARE)"/	54	exp *"OUTCOME AND PROCESS ASSESSMENT (HEALTH CARE)"/
55 or/43-54	55	or/43-54
("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.	56	Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in
57 42 and 55	57	42 and 55
58 42 and 56	58	42 and 56
59 or/57-58	59	or/57-58

2 E.11.3 Cochrane Database of Systematic Reviews (CDSR)

#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	PEDIATRICS.kw.
6	p?ediatric\$.ti,ab.
7	0r/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.

<ul> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.</li> <li>or/24-34</li> <li>((INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.</li> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ physiolog\$))).ti,ab.</li> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12 or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or los losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>13 or 23 or 35 or 40</li> <li>monitor\$.ab. /freq=2</li> <li>((frequen\$ or regular\$ or routine\$) adj7 monitor\$).ti,ab.</li> <li>((increas\$ or further or extra or additional\$ or more) adj7 monitor\$).ti,ab.</li> </ul>	
premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.  or/24-34  ((INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ physiolog\$))).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12 or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or los losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/36-39  13 or 23 or 35 or 40  monitor\$.ti.  monitor\$.ab. /freq=2  ((frequen\$ or regular\$ or routine\$) adj7 monitor\$).ti,ab.	
premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.  or/24-34  (INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ physiolog\$))).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12 or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or los losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/36-39  13 or 23 or 35 or 40  monitor\$.ti.  monitor\$.ab. /freq=2  ((frequen\$ or regular\$ or routine\$) adj7 monitor\$).ti,ab.	r
<ul> <li>(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.</li> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ physiolog\$))).ti,ab.</li> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12 or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or los losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/36-39</li> <li>13 or 23 or 35 or 40</li> <li>monitor\$.ti.</li> <li>monitor\$.ab. /freq=2</li> <li>((frequen\$ or regular\$ or routine\$) adj7 monitor\$).ti,ab.</li> </ul>	r
<ul> <li>37 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>38 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ physiolog\$))).ti,ab.</li> <li>39 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12 or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or los losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>40 or/36-39</li> <li>41 13 or 23 or 35 or 40</li> <li>42 monitor\$.ti.</li> <li>43 monitor\$.ab. /freq=2</li> <li>44 ((frequen\$ or regular\$ or routine\$) adj7 monitor\$).ti,ab.</li> </ul>	
<ul> <li>dehyrat\$)).ti,ab.</li> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ physiolog\$))).ti,ab.</li> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12 or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or los losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/36-39</li> <li>13 or 23 or 35 or 40</li> <li>monitor\$.ti.</li> <li>monitor\$.ab. /freq=2</li> <li>((frequen\$ or regular\$ or routine\$) adj7 monitor\$).ti,ab.</li> </ul>	
postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ physiolog\$))).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12 or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or los losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/36-39  13 or 23 or 35 or 40  monitor\$.ti.  monitor\$.ab. /freq=2  ((frequen\$ or regular\$ or routine\$) adj7 monitor\$).ti,ab.	
or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or los losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/36-39  13 or 23 or 35 or 40  monitor\$.ti.  monitor\$.ab. /freq=2  ((frequen\$ or regular\$ or routine\$) adj7 monitor\$).ti,ab.	
13 or 23 or 35 or 40 42 monitor\$.ti. 43 monitor\$.ab. /freq=2 44 ((frequen\$ or regular\$ or routine\$) adj7 monitor\$).ti,ab.	
<ul> <li>42 monitor\$.ti.</li> <li>43 monitor\$.ab. /freq=2</li> <li>44 ((frequen\$ or regular\$ or routine\$) adj7 monitor\$).ti,ab.</li> </ul>	
monitor\$.ab. /freq=2 ((frequen\$ or regular\$ or routine\$) adj7 monitor\$).ti,ab.	
44 ((frequen\$ or regular\$ or routine\$) adj7 monitor\$).ti,ab.	
(/ - /	
45 ((increas\$ or further or extra or additional\$ or more) adi7 monitor\$) ti ab.	
((professional\$ or parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj7 (monitor\$ or concern\$)).ti,ab.	
47 ((height? or weight?) adj7 monitor\$).ti,ab.	
48 ((weigh or weighed) adj10 (week\$ or month\$ or year\$)).ti,ab.	
49 "OUTCOME AND PROCESS ASSESSMENT (HEALTH CARE)".kw.	
50 or/42-49	
51 ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.	
52 41 and 50	
53 41 and 51	
54 or/52-53	

## 2 E.11.4 Database of Abstracts of Reviews of Effects (DARE)

#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw,tx.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw,tx.
5	PEDIATRICS.kw.
6	p?ediatric\$.tw,tx.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).tw,tx.
10	FTT.tw,tx.
11	(falter\$ adj3 (weight or grow\$)).tw,tx.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw,tx.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or

#	Searches
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw,tx.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw,tx.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw,tx.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw,tx.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw,tx.
35	or/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw,tx.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
40	or/36-39
41	13 or 23 or 35 or 40
42	monitor\$.ti.
43	((frequen\$ or regular\$ or routine\$) adj7 monitor\$).tw,tx.
44	((increas\$ or further or extra or additional\$ or more) adj7 monitor\$).tw,tx.
45	((professional\$ or parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj7 (monitor\$ or concern\$)).tw,tx.
46	((height? or weight?) adj7 monitor\$).tw,tx.
47	((weigh or weighed) adj10 (week\$ or month\$ or year\$)).tw,tx.
48	"OUTCOME AND PROCESS ASSESSMENT (HEALTH CARE)".kw.
49	or/42-48
50	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.
51	41 and 49
52	41 and 50
53	or/51-52

2 E.11.5 Health Technology Assessment (HTA)

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
5	exp PEDIATRICS/
6	p?ediatric\$.tw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).tw.
10	FTT.tw.
11	(falter\$ adj3 (weight or grow\$)).tw.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/

#	Searches
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL) or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
32	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
	physiolog\$))).tw.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
41	or/37-40
42	13 or 24 or 36 or 41
43	monitor\$.tw.
44	((frequen\$ or regular\$ or routine\$) adj7 monitor\$).tw.
45	((increas\$ or further or extra or additional\$ or more) adj7 monitor\$).tw.
46	((professional\$ or parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj7
	(monitor\$ or concern\$)).tw.
47	*BODY HEIGHT/ph [Physiology]
48	*BODY WEIGHT/ph [Physiology]
49	((height? or weight?) adj7 monitor\$).tw.
50	((weigh or weighed) adj10 (week\$ or month\$ or year\$)).tw.
51	*GROWTH/ph [Physiology]
52	*CHILD DEVELOPMENT/ph [Physiology]
53	exp *"OUTCOME AND PROCESS ASSESSMENT (HEALTH CARE)"/
54	or/43-53
55	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw.
56	42 and 54
57	42 and 55
58	or/56-57

#### 2 **E.11.6 Embase**

#	Searches
1	PRESCHOOL CHILD/ or TODDLER/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT REDUCTION/
15	WEIGHT CHANGE/
16	WEIGHT FLUCTUATION/
17	WEIGHT VARIATION/
18	WASTING SYNDROME/

#	Searches
19 20	EMACIATION/ *ANOREXIA/
21	or/14-20
22	7 and 21
23	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *NUTRITIONAL DISORDER/
24	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *EATING DISORDER/
25	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *MALNUTRITION/
26	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *GROWTH DISORDER/
27	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
28	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
33 34	or/23-32 exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
35	NEONATAL WEIGHT LOSS/
36	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
39	or/34-38
40	13 or 22 or 33 or 39 MONITORING/
41 42	monitor\$.ti.
43	monitor\$.ab. /freq=2
44	((frequen\$ or regular\$ or routine\$) adj7 monitor\$).ti,ab.
45	((increas\$ or further or extra or additional\$ or more) adj7 monitor\$).ti,ab.
46	((professional\$ or parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj7 (monitor\$ or concern\$)).ti,ab.
47	((height? or weight?) adj7 monitor\$).ti,ab.
48	((weigh or weighed) adj10 (week\$ or month\$ or year\$)).ti,ab.
49 50	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead
30	Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
51	40 and 49
52	40 and 50
53 54	or/51-52
54 55	limit 53 to english language letter.pt. or LETTER/
56	note.pt.
57	editorial.pt.
58	CASE REPORT/ or CASE STUDY/
59	(letter or comment*).ti.
60	or/55-59
61 62	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.  60 not 61
63	ANIMAL/ not HUMAN/
64	NONHUMAN/
65	exp ANIMAL EXPERIMENT/
66	exp EXPERIMENTAL ANIMAL/
67	ANIMAL MODEL/
68	exp RODENT/
69 70	(rat or rats or mouse or mice).ti.
70	54 not 70

# 1 E.12 Referral

#### 2 E.12.1 Medline and Medline In-Process & Other Non-Indexed Citations

ш	Consider
#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
36	0r/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
00	dehyrat\$)).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
00	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$
	or physiolog\$))).ti,ab.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or
-10	"12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss
	or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
41	or/37-40
42	13 or 24 or 36 or 41
43	"REFERRAL AND CONSULTATION"/
44	SECONDARY CARE/
45	TERTIARY HEALTHCARE/
46	(refer or referr\$).ti.
47	(refer or referr\$).ab. /freq=2
48	(second\$ adj5 (care or service? or hospital?)).ti,ab.
49	(special\$ adj5 (care or service? or hospital?)).ti,ab.
50	(tertiary adj5 (care or service? or hospital?)).ti,ab.
51	((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj7 (refer or referr\$)).ti,ab.
52	((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 (primary adj7 secondary)).ti,ab.
53	((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 ((primary or secondary) adj7
	tertiary)).ti,ab.

#	Searches
54	(diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).ti,ab.
55	(diagnos\$ adj3 (difficult\$ or problem\$)).ti,ab.
56	((parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).ti,ab.
57	07/43-56
58	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
59	42 and 57
60	42 and 58
61	(sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).ti,ab.
62	(persist\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).ti,ab.
63	or/59-62
64	limit 63 to english language
65	LETTER/
66	EDITORIAL/
67	NEWS/
68	exp HISTORICAL ARTICLE/
69	ANECDOTES AS TOPIC/
70	COMMENT/
71	CASE REPORT/
72	(letter or comment*).ti.
73	or/65-72
74	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
75	73 not 74
76	ANIMALS/ not HUMANS/
77	exp ANIMALS, LABORATORY/
78	exp ANIMAL EXPERIMENTATION/
79	exp MODELS, ANIMAL/
80	exp RODENTIA/
81	(rat or rats or mouse or mice).ti.
82	or/75-81
83	64 not 82

2 E.12.2 Cochrane Central Register of Controlled Trials (CCTR)

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,kw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab,kw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or

#	Searches
	premie or premies) adj5 (undernutrition\$ or poor nutrition\$ or undernourish\$ or underweight? or ((feed\$ or eat\$ or
	nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or
	stunted)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
41	or/37-40
42	13 or 24 or 36 or 41
43	"REFERRAL AND CONSULTATION"/
44	SECONDARY CARE/
45	TERTIARY HEALTHCARE/
46	(refer or referr\$).ti.
47	(refer or referr\$).ab. /freq=2
48	(second\$ adj5 (care or service? or hospital?)).ti,ab.
49	(special\$ adj5 (care or service? or hospital?)).ti,ab.
50	(tertiary adj5 (care or service? or hospital?)).ti,ab.
51	((criteria? or protocol? or guidance or guidaline? or factor? or consensus\$) adj7 (refer or referr\$)).ti,ab.
52	((criteria? or protocol? or guidance or guidaline? or factor? or consensus\$) adj15 (primary adj7 secondary)).ti,ab.
53	((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 ((primary or secondary) adj7 tertiary)).ti,ab.
54	(diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).ti,ab.
55	(diagnos\$ adj3 (difficult\$ or problem\$)).ti,ab.
56	((parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).ti,ab.
57	or/43-56
58	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
59	42 and 57
60	42 and 58
61	(sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).ti,ab.
62	(persist\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).ti,ab.
63	or/59-62

2 E.12.3 Cochrane Database of Systematic Reviews (CDSR)

#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	PEDIATRICS.kw.
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.

# Searches  19 THINNESS.kw. 20 EMACIATION.kw. 21 ANOREXIA.kw. 22 or/14-21 23 7 and 22 24 CHILD NUTRITION DISORDERS.kw. 25 INFANT NUTRITION DISORDERS.kw. 26 "FEEDING AND EATING DISORDERS OF CHILDHOOD".kw. 27 ((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw. 28 ((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw. 29 ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or r premie or premies) adj7 (Weight adj3 (loss or lose or losing or reducs\$ or or ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or r premie or premies) adj5 (undernutrition\$ or under nutrition\$ or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or premie or premies) adj5 (undernutrition\$ or toddler\$ or infan\$ or neonat\$ or r premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)). 31 ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or r premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab. 32 ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or r premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab. 33 ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or r premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail 34 ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or n premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or smallourish\$). ti,ab. 35 ((Infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie dehyrat\$)).ti,ab.	decreas\$ or deficien\$))).ti,ab. newborn\$ or baby or babies or pre#mie? or on\$ or undernourish\$ or under nourish\$ or rder\$ or problem\$)) or wasting or thin or newborn\$ or baby or babies or pre#mie? or ti,ab. newborn\$ or baby or babies or pre#mie? or all\$ or retard\$))).ti,ab.
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postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or physiolog\$))).ti,ab.	
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40 or/36-39	
41 13 or 23 or 35 or 40	
42 "REFERRAL AND CONSULTATION".kw.	
43 SECONDARY CARE.kw.	
44 TERTIARY HEALTHCARE.kw.	
45 (refer or referr\$).ti.	
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46 (refer or referr\$).ab. /freq=2	
47 (second\$ adj5 (care or service? or hospital?)).ti,ab.	
48 (special\$ adj5 (care or service? or hospital?)).ti,ab.	
49 (tertiary adj5 (care or service? or hospital?)).ti,ab.	`\ adi7 (rafar ar rafarmt\) +: - b
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(diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$	ar\$ or un-sure)) ti ab
54 (diagnos\$ adj3 (difficult\$ or problem\$)).ti,ab.	مراس ما
((parent\$ or mother? or father? or grandparent? or grandmother? or grand	dfather? or carer?) adi5 concern\$) ti ah
56 or/42-55	aratrici: Or carer: / aujo corroemiq/.ti,ab.
57 ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millen Millennium Study" or "Millennium Baby Study" or "Generation R" or "South Bradford" or "UK 1990 Growth Reference").ti,ab.	nium Cohort Study" or "Gateshead hampton Womens Survey" or "Born in
58 41 and 56	
59 41 and 57	
60 (sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$))))	ı.ti,ab.
61 (persist\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$))	
62 or/58-61	,,

# 2 E.12.4 Database of Abstracts of Reviews of Effects (DARE)

#	Searches	
1	CHILD, PRESCHOOL.kw.	
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw,tx.	
3	INFANT.kw.	
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw,tx.	
5	PEDIATRICS kw	

Prediatrick.hv.lx.  FALURE TO THRIVE kiv.  FALURE SIND WEIGHT KIV.  FALURE S		
7 coll-16 7 FALURE TO THRIVE.kw. 9 (fails adj2 thriv\$), but.kt. 9 (fails adj2 thriv\$), but.kt. 9 (fails adj3 (weight or grow\$)), tw.bt. 11 (fallet\$ adj3 (weight or grow\$)), tw.bt. 12 coll-11 13 7 and 12 14 WEIGHT LOSS.kw. 15 BODY WEIGHT CHANCES.kw. 15 BODY WEIGHT CHANCES.kw. 16 BODY WEIGHT CHANCES.kw. 16 BODY WEIGHT CHANCES.kw. 17 IDEAL BODY WEIGHT KM. 17 IDEAL BODY WEIGHT KM. 17 IDEAL BODY WEIGHT KM. 18 HINNESS.kw. 18 EMACIATION kw. 19 EMACIATION kw. 20 coll-14-21 21 7 and 22 22 CHILD NUTRITION DISORDERS.kw. 21 INFANT NUTRITION DISORDERS.kw. 22 (CHILD NUTRITION DISORDERS.kw. 23 (CHILD NUTRITION DISORDERS.kw. 24 FEEDING AND EATING DISORDERS OF CHILDHOOD'.kw. 25 (CHILD PRESCHOOL or INFANT) and ARALINITRITION), kw. 26 (CHILD, PRESCHOOL or INFANT) and ARALINITRITION), kw. 27 (CHILD, PRESCHOOL or INFANT) and ARALINITRITION), kw. 28 (CHILD PRESCHOOL or INFANT) and ARALINITRITION), kw. 29 (CHILD PRESCHOOL or preschools or preschools or roderies or infants or neonation or newborn's or baby or babies or pre#mie'? or premie or premies add? (Weight add) (loss or lose or losing or reduc's or decrease's or deficiens'))), kw.tx. 29 (CHILD OR preschools or pre-schools or toddiefs or infants or neonation or newborn's or baby or babies or pre#mie'? or premie or premies add? (Weight add) (loss or lose or losing or reduc's or excesses or deficiens'))), kw.tx. 20 (CHILDS or preschools or pre-schools or toddiefs or infants or neonation or newborn's or baby or babies or pre#mie'? or premie or premies add? (Weight add) (loss or insufficients') add (Identificate's or promise) add; (Weight add) (loss or insufficients') add (Identificate's or promise) add; (Weight add) (loss or insufficients') add (Identificate's or promise) add) (Identificate's or premise) add) (Identificate'	#	Searches
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MASTING SYNDROME.kw.  THINNESS kw.  EMACIATION kw.  ANOREXIA.hw.  Orl*14-21  7 and 22  CHILD NUTRITION DISORDERS kw.  (CHILD, PRESCHOOL or INFANT) and MALNUTRITION) kw.  ((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS) kw.  ((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS or newborn's or baby or babies or prefime' or premie or premies) add? (Indementions) and premier or premies) add? ((Slow's or insufficients)) add? weight add; (agains)).tw.tx.  ((Child's or preschool's or pre-school's or todder's or infants or neonats' or newborn's or baby or babies or prefime'? or premie or premies) add? ((Infants' or neonats' or newborn's or baby or babies or prefime'? or premie or premies) add? (grow's add)? (disorder or deficiens' or poors' or falls))).tw.tx.  ((Child's or preschool's or pre-school's or todder's or infants' or neonats' or newborn's or baby or babies or prefime'? or premie or premies) add? (neight' add)? (prow's add)? (disorder or deficiens' or premie or premies) add? (neight' add)? (prow's add)? (disorder or premie'? or premie or premies) add)? (hypernatt's or deficiens' or premie'? or premie or premies) add)? (hypernatt's or deficiens' or premie'? or premie or premies) add)? (hypernatt's or deficiens' or premie's or newborn's or baby	16	BODY WEIGHT MAINTENANCE.kw.
THINNESS.kw.  EMACATION.kw. ANOREXIA.kw. 7 and 22 CONTA-21 TO A and 22 CONTA-21 TO	17	IDEAL BODY WEIGHT.kw.
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<ul> <li>CHILD NUTRITION DISORDERS.kw.</li> <li>"FEEDING AND EATING DISORDERS of CHILDHOOD".kw.</li> <li>((CHILD, PRESCHOOL or INFANT) and MAUTRITION).kw.</li> <li>((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.</li> <li>((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.</li> <li>((CHILG). PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.</li> <li>((CHILG). PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.</li> <li>((CHILG) or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premies or premies) adjs (underutritions or under untritions or prometuritions or prome untritions or premies) adjs (underutritions or under untritions or prometuritions or baby or babies or pre#mie? or under weight? or underweight? or ((feeds or eats or nutritions) adj! (disorders or prometic or premies) adj ((follwos or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premies adjc ((follwos or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adjc (great) adjc (mainutritions or amanurishs)), wt. k.</li> <li>((Childs or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies adjc (freight? adj3 (poors) or deficiens or profors infalls)), but. k.</li> <li>((Childs or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj? (reight? adj3 (poors) or deficiens or shorts or smalls or retards))), but, k.</li> <li>((Childs or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj10 (weight or fluid?) adj2 (loss or lose or losing or retards)), but, k.</li> <li>((Infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj10 (weight or fluid?) adj3 (loss or lose or losing or reducs or d</li></ul>		
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<ul> <li>**FEEDING AND EATING DISORDERS OF CHILDHOOD*!w.</li> <li>**(CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.</li> <li>**(CHILD) or premies) adiff (Weight ad) (loss or lose or losing or reducts or decreas\$ or deficien\$)).tw,tx.</li> <li>**(CHILD) or premies) adig (undernutritions or under nutritions or prometive or premies) adig (undernutritions or under nutritions or under nutritions or under nourishs or under weight? or under weight? or ((fleedS or eats or nutritions) adij (disorder6 or problem\$)) or wasting or thin or thins or or emaciats or anorex8 or stunting or stunted).tw,tx.</li> <li>**(Child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premies adig (climaturitions) or malnourish\$).wt,x.</li> <li>**(Child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premies adig (rematurition\$ or amanourish\$).wt,x.</li> <li>**(Child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premies adig (rematurition\$ or amanourish\$).wt,x.</li> <li>**(Child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adig (height? adi3 (poor\$ or deficien\$ or sohor\$ or small\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adig (height? adi3 (poor\$ or deficien\$ or short\$ or small\$ or neonat\$ or baby or babies or pre#mie? or premie or premies) adig (0 (loser) or premies) adig (loser) or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adig (0 (loser) or premies) adig (0 (loser) or premies) adig (0 (loser) or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adig (0 (loser) or</li></ul>		
(CHILD, PRESCHOOL or INFANT) and MALNUTRITION), kw.  ((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.  ((CHILD, Or preschools or pre-schools or toddlers or infans or neonats or newborms or baby or babies or pre#mie? or premie or premies) adj5 (undernutritions or under nutritions or undernourishs or under nourishs or under nourishs or under weight? or underweight? or (Ideeds or eats or nutritions) adj1 (disorders or problems)) or writing or thin or thinns or emacials or anorexis or stunting or stunted).tw, tx.  ((Childs or preschools or pre-schools or toddlers or infans or neonats or newborms or baby or babies or pre#mie? or premie or premies) adj1 ((Isos or insufficients) adj2 weight adj2 gains)).tw, tx.  ((Childs or preschools or pre-schools or toddlers or infans or neonats or newborms or baby or babies or pre#mie? or premie or premies) adj2 (malnutritions or malnourishs)).tw, tx.  ((Childs or preschools or pre-schools or toddlers or infans or neonats or newborms or baby or babies or pre#mie? or premie or premies) adj7 (grows adj1 (disorder or deficiens) or poons or fails))).tw, tx.  ((Childs or preschools or pre-schools or toddlers or infans or neonats or newborms or baby or babies or pre#mie? or premie or premies) adj7 (fleight? adj3 (poor)s or deficiens or poons or fails)).tw, tx.  ((Childs or preschools or pre-schools or toddlers or infans or neonats or newborms or baby or babies or pre#mie? or premie or premies) adj10 (hypernatis* or dehvaris).tw, tx.  ((Infans or neonats or newborms or baby or babies or pre#mie? or premie or premies) adj10 (hypernatis* or dehvaris).tw, tx.  ((Infans or neonats or newborms or baby or babies or pre#mie? or premie or premies) adj10 (hypernatis* or poststatis or poststatis or neonats or newborms or baby or babies or pre#mie? or premie or premie		
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<ul> <li>35 or/24-34</li> <li>36 (INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.</li> <li>37 ((Infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw,tx.</li> <li>38 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.</li> <li>39 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.</li> <li>40 or/36-39</li> <li>41 13 or 23 or 35 or 40</li> <li>42 "REFERRAL AND CONSULTATION".kw.</li> <li>43 SECONDARY CARE.kw.</li> <li>44 TERTIARY HEALTHCARE.kw.</li> <li>45 (refer or referr\$).ti.</li> <li>46 (special\$ adj5 (care or service? or hospital?)).tw,tx.</li> <li>47 (special\$ adj5 (care or service? or hospital?)).tw,tx.</li> <li>48 ((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj7 (refer or referr\$)).tw,tx.</li> <li>49 ((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 ((primary adj7 secondary)).tw,tx.</li> <li>50 ((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 ((primary or secondary) adj7 tertiary)).tw,tx.</li> <li>51 ((diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).tw,tx.</li> <li>52 (diagnos\$ adj3 (difficult\$ or problem\$)).tw,tx.</li> <li>53 (diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).tw,tx.</li> <li>54 ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford</li></ul>	34	
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SECONDARY CARE.kw.  TERTIARY HEALTHCARE.kw.  (refer or referrs).ti.  (second\$ adj5 (care or service? or hospital?)).tw,tx.  (special\$ adj5 (care or service? or hospital?)).tw,tx.  (tertiary adj5 (care or service? or hospital?)).tw,tx.  ((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj7 (refer or referr\$)).tw,tx.  ((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 (primary adj7 secondary)).tw,tx.  ((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 ((primary or secondary) adj7 tertiary)).tw,tx.  ((diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).tw,tx.  ((parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).tw,tx.  ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.  41 and 55  41 and 56  (sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.		
TERTIARY HEALTHCARE.kw.  (refer or referr\$).ti.  (second\$ adj5 (care or service? or hospital?)).tw,tx.  (special\$ adj5 (care or service? or hospital?)).tw,tx.  (tertiary adj5 (care or service? or hospital?)).tw,tx.  ((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj7 (refer or referr\$)).tw,tx.  ((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 (primary adj7 secondary)).tw,tx.  ((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 ((primary or secondary)).tw,tx.  ((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 ((primary or secondary)) adj7 tertiary)).tw,tx.  ((diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).tw,tx.  ((parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).tw,tx.  ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.  41 and 55  41 and 56  (sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.		
<ul> <li>(refer or referr\$).ti.</li> <li>(second\$ adj5 (care or service? or hospital?)).tw,tx.</li> <li>(special\$ adj5 (care or service? or hospital?)).tw,tx.</li> <li>(tertiary adj5 (care or service? or hospital?)).tw,tx.</li> <li>((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj7 (refer or referr\$)).tw,tx.</li> <li>((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 (primary adj7 secondary)).tw,tx.</li> <li>((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 ((primary or secondary)) adj7 tertiary)).tw,tx.</li> <li>(diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).tw,tx.</li> <li>(diagnos\$ adj3 (difficult\$ or problem\$)).tw,tx.</li> <li>((primary or grandfather? or grandfather? or carer?) adj5 concern\$).tw,tx.</li> <li>((primary or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).tw,tx.</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.</li> <li>41 and 55</li> <li>41 and 56</li> <li>(sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.</li> </ul>		
<ul> <li>(second\$ adj5 (care or service? or hospital?)).tw,tx.</li> <li>(special\$ adj5 (care or service? or hospital?)).tw,tx.</li> <li>(tertiary adj5 (care or service? or hospital?)).tw,tx.</li> <li>((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj7 (refer or referr\$)).tw,tx.</li> <li>((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 (primary adj7 secondary)).tw,tx.</li> <li>((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 ((primary or secondary)) adj7 tertiary)).tw,tx.</li> <li>(diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).tw,tx.</li> <li>(diagnos\$ adj3 (difficult\$ or problem\$)).tw,tx.</li> <li>((parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).tw,tx.</li> <li>or/42-54</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.</li> <li>41 and 55</li> <li>41 and 56</li> <li>(sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.</li> </ul>		
<ul> <li>(special\$ adj5 (care or service? or hospital?)).tw,tx.</li> <li>(tertiary adj5 (care or service? or hospital?)).tw,tx.</li> <li>((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj7 (refer or referr\$)).tw,tx.</li> <li>((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 (primary adj7 secondary)).tw,tx.</li> <li>((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 ((primary or secondary)) adj7 tertiary)).tw,tx.</li> <li>(diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).tw,tx.</li> <li>(diagnos\$ adj3 (difficult\$ or problem\$)).tw,tx.</li> <li>((parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).tw,tx.</li> <li>or/42-54</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.</li> <li>41 and 55</li> <li>41 and 56</li> <li>(sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.</li> </ul>		
<ul> <li>(tertiary adj5 (care or service? or hospital?)).tw,tx.</li> <li>((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj7 (refer or referr\$)).tw,tx.</li> <li>((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 (primary adj7 secondary)).tw,tx.</li> <li>((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 ((primary or secondary)) adj7 tertiary)).tw,tx.</li> <li>(diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).tw,tx.</li> <li>(diagnos\$ adj3 (difficult\$ or problem\$)).tw,tx.</li> <li>((parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).tw,tx.</li> <li>or/42-54</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.</li> <li>41 and 55</li> <li>41 and 56</li> <li>(sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.</li> </ul>		
<ul> <li>((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 (primary adj7 secondary)).tw,tx.</li> <li>((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 ((primary or secondary)) adj7 tertiary)).tw,tx.</li> <li>(diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).tw,tx.</li> <li>(diagnos\$ adj3 (difficult\$ or problem\$)).tw,tx.</li> <li>((parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).tw,tx.</li> <li>or/42-54</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.</li> <li>41 and 55</li> <li>41 and 56</li> <li>(sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.</li> </ul>		
<ul> <li>((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 ((primary or secondary) adj7 tertiary)).tw,tx.</li> <li>(diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).tw,tx.</li> <li>(diagnos\$ adj3 (difficult\$ or problem\$)).tw,tx.</li> <li>((parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).tw,tx.</li> <li>or/42-54</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.</li> <li>41 and 55</li> <li>41 and 56</li> <li>(sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.</li> </ul>		
tertiary)).tw,tx.  (diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).tw,tx.  (diagnos\$ adj3 (difficult\$ or problem\$)).tw,tx.  ((parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).tw,tx.  or/42-54  ("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.  41 and 55  41 and 56  (sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.		
<ul> <li>(diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).tw,tx.</li> <li>(diagnos\$ adj3 (difficult\$ or problem\$)).tw,tx.</li> <li>((parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).tw,tx.</li> <li>or/42-54</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.</li> <li>41 and 55</li> <li>41 and 56</li> <li>(sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.</li> </ul>	51	
<ul> <li>(diagnos\$ adj3 (difficult\$ or problem\$)).tw,tx.</li> <li>((parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).tw,tx.</li> <li>or/42-54</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.</li> <li>41 and 55</li> <li>41 and 56</li> <li>(sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.</li> </ul>		• • •
<ul> <li>((parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).tw,tx.</li> <li>or/42-54</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.</li> <li>41 and 55</li> <li>41 and 56</li> <li>(sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.</li> </ul>		
<ul> <li>or/42-54</li> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.</li> <li>41 and 55</li> <li>41 and 56</li> <li>(sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.</li> </ul>		
<ul> <li>("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.</li> <li>41 and 55</li> <li>41 and 56</li> <li>(sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.</li> </ul>		
Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw,tx.  41 and 55 41 and 56 59 (sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.		
Bradford" or "UK 1990 Growth Reference").tw,tx.  41 and 55  41 and 56  59 (sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.	00	
41 and 56 (sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.		
59 (sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.	57	,
· · · · · · · · · · · · · · · · · · ·		
60 (persist\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw.tx.		
( - , ( - , - , - , - , - , - , - , - ,	60	(persist\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw,tx.

#	Searches
61	or/57-60

## 2 E.12.5 Health Technology Assessment (HTA)

#	Searches CHILD PRESCHOOL
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
5	exp PEDIATRICS/
6	p?ediatric\$.tw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).tw.
10	FTT.tw.
11	(falter\$ adj3 (weight or grow\$)).tw.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
20 27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
21 28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose of losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
11	or/37-40
12	13 or 24 or 36 or 41
43	"REFERRAL AND CONSULTATION"/
14	SECONDARY CARE/
45	TERTIARY HEALTHCARE/
46	(refer or referr\$).tw.
+0 17	(second\$ adj5 (care or service? or hospital?)).tw.
	(special\$ adj5 (care or service? or hospital?)).tw.
48	
48 49 50	(tertiary adj5 (care or service? or hospital?)).tw.  ((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj7 (refer or referr\$)).tw.

#	Searches
52	((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 ((primary or secondary) adj7 tertiary)).tw.
53	(diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).tw.
54	(diagnos\$ adj3 (difficult\$ or problem\$)).tw.
55	((parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).tw.
56	or/43-55
57	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").tw.
58	42 and 56
59	42 and 57
60	(sever\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw.
61	(persist\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).tw.
62	or/58-61

#### 2 **E.12.6** Embase

#	Searches
1	PRESCHOOL CHILD/ or TODDLER/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab.
7	0r/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	0r/8-11
13	7 and 12
14	*WEIGHT REDUCTION/
15	WEIGHT CHANGE/
16	WEIGHT FLUCTUATION/
17	WEIGHT VARIATION/
18	WASTING SYNDROME/
19	EMACIATION/
20	*ANOREXIA/
21	or/14-20
22	7 and 21
23	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *NUTRITIONAL DISORDER/
24	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *EATING DISORDER/
25	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *MALNUTRITION/
26	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *GROWTH DISORDER/
27	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
28	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
0.4	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
32	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
32	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
33	or/23-32
34	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
35	NEONATAL WEIGHT LOSS/
36	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
30	dehyrat\$)).ti,ab.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
	physiolog\$))).ti,ab.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$"
	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
	iosing or reduce or decrease or deficients or physiologe))).ii,ab.

#	Searches
39	or/34-38
40	13 or 22 or 33 or 39
41	PATIENT REFERRAL/
42	exp SECONDARY HEALTH CARE/
43	exp *TERTIARY HEALTH CARE/
44	(refer or referr\$).ti.
45	(refer or referr\$).ab. /freq=2
46	(second\$ adj5 (care or service? or hospital?)).ti,ab.
47	(special\$ adj5 (care or service? or hospital?)).ti,ab.
48	((refer or referr\$) and (tertiary adj5 (care or service? or hospital?))).ti,ab.
49	((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj7 (refer or referr\$)).ti,ab.
50	((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 (primary adj7 secondary)).ti,ab.
51	((criteria? or protocol? or guidance or guideline? or factor? or consensus\$) adj15 ((primary or secondary) adj7 tertiary)).ti,ab.
52	(diagnos\$ adj5 (uncertain\$ or unclear\$ or unsure or un-certain\$ or un-clear\$ or un-sure)).ti,ab.
53	(diagnos\$ adj3 (difficult\$ or problem\$)).ti,ab.
54	((parent\$ or mother? or father? or grandparent? or grandmother? or grandfather? or carer?) adj5 concern\$).ti,ab.
55	or/41-54
56	("Avon Longitudinal Study of Parents and Children" or ALSPAC or "Millennium Cohort Study" or "Gateshead Millennium Study" or "Millennium Baby Study" or "Generation R" or "Southampton Womens Survey" or "Born in Bradford" or "UK 1990 Growth Reference").ti,ab.
57	40 and 55
58	40 and 56
59	(sever\$ adj2 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).ti,ab.
60	(persist\$ adj3 ((fail\$ adj2 thriv\$) or FTT or (falter\$ adj2 (weight or grow\$)))).ti,ab.
61	or/57-60
62	limit 61 to english language
63	letter.pt. or LETTER/
64	note.pt.
65	editorial.pt.
66	CASE REPORT/ or CASE STUDY/
67	(letter or comment*).ti.
68	or/63-67
69	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
70	68 not 69
71	ANIMAL/ not HUMAN/
72	NONHUMAN/
73	exp ANIMAL EXPERIMENT/
74	exp EXPERIMENTAL ANIMAL/
75	ANIMAL MODEL/
76	exp RODENT/
77	(rat or rats or mouse or mice).ti.
78	or/70-77
79	62 not 78

# 2 E.13 Organisation of care

#### 3 E.13.1 Medline and Medline In-Process & Other Non-Indexed Citations

#	Searches
1	META-ANALYSIS/
2	META-ANALYSIS AS TOPIC/
3	(meta analy* or metanaly* or metaanaly*).ti,ab.
4	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
5	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
6	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
7	(search* adj4 literature).ab.
8	(medline or pubmed or cochrane or embase or psychlit or psychinfo or psycinfo or cinahl or science citation
	index or bids or cancerlit).ab.
9	cochrane.jw.
10	or/1-9
11	randomized controlled trial.pt.
12	controlled clinical trial.pt.
13	pragmatic clinical trial.pt.
14	randomi#ed.ab.
15	placebo.ab.
16	randomly.ab.

47	Searches CLINICAL TRIALS AS TORIC/
17	CLINICAL TRIALS AS TOPIC/
18 19	trial.ti.
20	or/10,19
21	CHILD, PRESCHOOL/
22	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
23	exp INFANT/
24	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
25	exp PEDIATRICS/
26	p?ediatric\$.ti,ab.
27	or/21-26
28	FAILURE TO THRIVE/
29	(fail\$ adj2 thriv\$).ti,ab.
30	FTT.ti,ab.
31 32	(falter\$ adj3 (weight or grow\$)).ti,ab.
33	27 and 32
34	*WEIGHT LOSS/
35	WEIGHT LOSS/ph [Physiology]
36	BODY WEIGHT CHANGES/
37	BODY WEIGHT MAINTENANCE/
38	IDEAL BODY WEIGHT/
39	WASTING SYNDROME/
40	*THINNESS/
41	EMACIATION/
42 43	ANOREXIA/ or/34-42
43	27 and 43
45	*CHILD NUTRITION DISORDERS/
46	*INFANT NUTRITION DISORDERS/
47	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
48	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
49	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
50	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
51	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab. ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
52	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or newborn\$ or baby or babies or pre#mie? or
F2	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab. ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
53	premie or preschools of pre-schools of toddlers of infans of heonats of newborns of baby of bables of pre-mile? of premie or premies) adj2 (malnutritions or malnourishs)).ti,ab.  ((childs or preschools or pre-schools or toddlers or infans or newborns or baby or babies or pre#mie? or
55	premie or preschools of pre-schools of toddiers of infants of heading of heading of baby of babies of pre-mine? or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or newborn\$ or baby or babies or pre#mie? or
56	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
57	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
58	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
59	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
60	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
61	or/57-60
62	33 or 44 or 56 or 61
63	PATIENT CARE TEAM/
64 65	((patient? or medical or health) adj1 care team).ab,ti. ((interdisciplinary or inter-disciplinary or interprofession\$ or inter-profession\$ or integrated or network\$) adj3 (team?
65	or staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or service?)).ab,ti.
66	((transdisciplinary or trans-disciplinary or transprofession\$ or trans-profession\$) adj3 (team? or staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or service?)).ab,ti.
67	((multidisciplinary or multi-disciplinary or multiprofession\$ or multi-profession\$ or integrated or network\$) adj3 (team? or staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or service?)).ab,ti.
68	mdt?.ab,ti.
69	network meeting?.ti,ab.
70	or/63-69

#	Searches
71	INTERDISCIPLINARY COMMUNICATION/
72	((interdisciplinary or inter-disciplinary or interprofession\$ or inter-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).ab,ti.
73	((multidisciplinary or multi-disciplinary or multiprofession\$ or multi-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).ab,ti.
74	((transdisciplinary or trans-disciplinary or transprofession\$ or trans-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).ab,ti.
75	((co-ordinat\$ or coordinat\$ or network\$) adj3 (care or service? or practice?)).ab,ti.
76	or/71-75
77	((midwi\$ or health visitor? or dietician? or nurse? or infant feed\$) adj3 (team\$ or service? or staff\$)).ti,ab.
78	(community adj3 (team? or approach\$ or program\$ or care or service?)).ti,ab.
79	(special\$ adj1 (team? or approach\$ or program\$ or care or manag\$ or service? or package?)).ti,ab.
80	((mobile or roaming) adj1 (team? or service?)).ti,ab.
81	"DELIVERY OF HEALTH CARE, INTEGRATED"/
82	PRIMARY HEALTH CARE/ma, og [Manpower, Organization & Administration]
83	COMMUNITY HEALTH SERVICES/ma, og [Manpower, Organization & Administration]
84	SECONDARY CARE/og [Organization & Administration]
85	TERTIARY HEALTHCARE/ma, og [Manpower, Organization & Administration]
86	or/77-85
87	((tertiary or secondary) adj5 (setting or clinic? or cent\$ or service? or care or healthcare or team?)).ti,ab.
88	((primary or community) adj5 (setting or clinic? or cent\$ or service? or care or healthcare or team?)).ti,ab.
89	or/87-88
90	70 or 76 or 86 or 89
91	62 and 90
92	limit 91 to english language
93	LETTER/
94	EDITORIAL/
95	NEWS/
96	exp HISTORICAL ARTICLE/
97	ANECDOTES AS TOPIC/
98	COMMENT/
99	CASE REPORT/
100 101	(letter or comment*).ti. or/93-100
101	RANDOMIZED CONTROLLED TRIAL/ or random*.ti.ab.
102	101 not 102
103	ANIMALS/ not HUMANS/
104	exp ANIMALS, LABORATORY/
106	exp ANIMAL EXPERIMENTATION/
107	exp MODELS, ANIMAL/
107	exp RODENTIA/
109	(rat or rats or mouse or mice).ti.
110	or/103-109
111	92 not 110
112	20 and 111

2 E.13.2 Cochrane Central Register of Controlled Trials (CCTR)

1

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,kw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab,kw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/

	Overeless
<b>#</b>	Searches **TUININESS/
20	*THINNESS/ EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or poor nutrition\$ or undernourish\$ or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/) ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
38	dehyrat\$)).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "15.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
41	or/37-40
42	13 or 24 or 36 or 41
43	PATIENT CARE TEAM/ or MULTIDISCIPLINARY TEAM CARE.kw.
44	((patient? or medical or health) adj1 care team).ab,ti.
45	((interdisciplinary or inter-disciplinary or interprofession\$ or inter-profession\$ or integrated or network\$) adj3 (team? or staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or service?)).ab,ti.
46	((transdisciplinary or trans-disciplinary or transprofession\$ or trans-profession\$) adj3 (team? or staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or service?)).ab,ti.
47	((multidisciplinary or multi-disciplinary or multiprofession\$ or multi-profession\$ or integrated or network\$) adj3 (team? or staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or service?)).ab,ti.
48	mdt?.ab,ti.
49	network meeting?.ti,ab.
50	or/43-49
51	INTERDISCIPLINARY COMMUNICATION/ or INTERDISCIPLINARY COMMUNICATION.kw.
52	((interdisciplinary or inter-disciplinary or interprofession\$ or inter-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).ab,ti.
53	((multidisciplinary or multi-disciplinary or multiprofession\$ or multi-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).ab,ti.
54	((transdisciplinary or trans-disciplinary or transprofession\$ or trans-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).ab,ti.
55	((co-ordinat\$ or coordinat\$ or network\$) adj3 (care or service? or practice?)).ab,ti.
56	or/51-55
57	((midwi\$ or health visitor? or dietician? or nurse? or infant feed\$) adj3 (team\$ or service? or staff\$)).ti,ab.
58 59	(community adj3 (team? or approach\$ or program\$ or care or service?)).ti,ab. (special\$ adj1 (team? or approach\$ or program\$ or care or manaq\$ or service? or package?)).ti,ab.
60	((mobile or roaming) adj1 (team? or service?)).ti,ab.
61	"DELIVERY OF HEALTH CARE, INTEGRATED"/ or INTEGRATED HEALTH CARE SYSTEM.kw.
62	((tertiary or secondary) adj5 (setting or clinic? or cent\$ or service? or care or healthcare or team?)).ti,ab.
63	((primary or community) adj5 (setting or clinic? or cent\$ or service? or care or healthcare or team?)).ti,ab.
64	or/57-63
65	50 or 56 or 64
66	42 and 65

#### 1 E.13.3 Cochrane Database of Systematic Reviews (CDSR)

#	Shrane Database of Systematic Reviews (CDSR)  Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	PEDIATRICS.kw.
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15 16	BODY WEIGHT CHANGES.kw. BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT MAINTENANCE.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
20	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab. ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
30	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
2.4	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
35	or/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
0.	dehyrat\$)).ti,ab.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
	physiolog\$))).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$"
	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
40	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab. or/36-39
40	13 or 23 or 35 or 40
41 42	MULTIDISCIPLINARY TEAM CARE.kw.
43	((patient? or medical or health) adj1 care team).ti,ab.
44	((interdisciplinary or inter-disciplinary or interprofession\$ or inter-profession\$ or integrated or network\$) adj3 (team? or
	staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or service?)).ti,ab.
45	((transdisciplinary or trans-disciplinary or transprofession\$ or trans-profession\$) adj3 (team? or staff\$ or task force? or
	approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or service?)).ti,ab.
46	((multidisciplinary or multi-disciplinary or multiprofession\$ or multi-profession\$ or integrated or network\$) adj3 (team?
	or staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or
	service?)).ti,ab.
47	mdt?.ti,ab.
48	network meeting?.ti,ab.
49	or/42-48
50	INTERDISCIPLINARY COMMUNICATION.kw.
51	((interdisciplinary or inter-disciplinary or interprofession\$ or inter-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).ti,ab.
52	((multidisciplinary or multi-disciplinary or multiprofession\$ or multi-profession\$) adj3 (communic\$ or collaborat\$ or
52	((manasophinary or main disciplinary or mainprofessionly or main-professionly) adjo (communicy or collaborate or

#	Searches
	relation\$)).ti,ab.
53	((transdisciplinary or trans-disciplinary or transprofession\$ or trans-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).ti,ab.
54	((co-ordinat\$ or coordinat\$ or network\$) adj3 (care or service? or practice?)).ti,ab.
55	or/50-54
56	((midwi\$ or health visitor? or dietician? or nurse? or infant feed\$) adj3 (team\$ or service? or staff\$)).ti,ab.
57	(community adj3 (team? or approach\$ or program\$ or care or service?)).ti,ab.
58	(special\$ adj1 (team? or approach\$ or program\$ or care or manag\$ or service? or package?)).ti,ab.
59	((mobile or roaming) adj1 (team? or service?)).ti,ab.
60	("DELIVERY OF HEALTH CARE, INTEGRATED" or INTEGRATED HEALTH CARE SYSTEM).kw.
61	((tertiary or secondary) adj5 (setting or clinic? or cent\$ or service? or care or healthcare or team?)).ti,ab.
62	((primary or community) adj5 (setting or clinic? or cent\$ or service? or care or healthcare or team?)).ti,ab.
63	or/56-62
64	49 or 55 or 63
65	41 and 64

#### 2 E.13.4 Database of Abstracts of Reviews of Effects (DARE)

	abase of Abstracts of Reviews of Effects (DARE)
#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw,tx.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw,tx.
5	PEDIATRICS.kw.
6	p?ediatric\$.tw,tx.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).tw,tx.
10	FTT.tw,tx.
11	(falter\$ adj3 (weight or grow\$)).tw,tx.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw,tx.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw,tx.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw,tx.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
00	premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw,tx.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
0.4	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw,tx.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
25	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw,tx.
35	or/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw,tx.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$"

#	Searches
	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
40	or/36-39
41	13 or 23 or 35 or 40
42	MULTIDISCIPLINARY TEAM CARE.kw.
43	((patient? or medical or health) adj1 care team).tw.tx.
44	((interdisciplinary or inter-disciplinary or interprofession\$ or inter-profession\$ or integrated or network\$) adj3 (team? or staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or service?)).tw,tx.
45	((transdisciplinary or trans-disciplinary or transprofession\$ or trans-profession\$) adj3 (team? or staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or service?)).tw,tx.
46	((multidisciplinary or multi-disciplinary or multiprofession\$ or multi-profession\$ or integrated or network\$) adj3 (team? or staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or service?)).tw,tx.
47	mdt?.tw,tx.
48	network meeting?.tw,tx.
49	or/42-48
50	INTERDISCIPLINARY COMMUNICATION.kw.
51	((interdisciplinary or inter-disciplinary or interprofession\$ or inter-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).tw,tx.
52	((multidisciplinary or multi-disciplinary or multiprofession\$ or multi-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).tw,tx.
53	((transdisciplinary or trans-disciplinary or transprofession\$ or trans-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).tw,tx.
54	((co-ordinat\$ or coordinat\$ or network\$) adj3 (care or service? or practice?)).tw,tx.
55	or/50-54
56	((midwi\$ or health visitor? or dietician? or nurse? or infant feed\$) adj3 (team\$ or service? or staff\$)).tw,tx.
57	(community adj3 (team? or approach\$ or program\$ or care or service?)).tw,tx.
58	(special\$ adj1 (team? or approach\$ or program\$ or care or manag\$ or service? or package?)).tw,tx.
59	((mobile or roaming) adj1 (team? or service?)).tw,tx.
60	("DELIVERY OF HEALTH CARE, INTEGRATED" or INTEGRATED HEALTH CARE SYSTEM).kw.
61	((tertiary or secondary) adj5 (setting or clinic? or cent\$ or service? or care or healthcare or team?)).tw,tx.
62	((primary or community) adj5 (setting or clinic? or cent\$ or service? or care or healthcare or team?)).tw,tx.
63	or/56-62
64	49 or 55 or 63
65	41 and 64

# 2 E.13.5 Health Technology Assessment (HTA)

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
5	exp PEDIATRICS/
6	p?ediatric\$.tw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).tw.
10	FTT.tw.
11	(falter\$ adj3 (weight or grow\$)).tw.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or

1

#	Searches
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
41	or/37-40
42	13 or 24 or 36 or 41
43	PATIENT CARE TEAM/
44	((patient? or medical or health) adj1 care team).tw.
45	((interdisciplinary or inter-disciplinary or interprofession\$ or inter-profession\$ or integrated or network\$) adj3 (team? or staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or service?)).tw.
46	((transdisciplinary or trans-disciplinary or transprofession\$ or trans-profession\$) adj3 (team? or staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or service?)).tw.
47	((multidisciplinary or multi-disciplinary or multiprofession\$ or multi-profession\$ or integrated or network\$) adj3 (team? or staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or service?)).tw.
48	mdt?.tw.
49	network meeting?.tw.
50	INTERDISCIPLINARY COMMUNICATION/
51	((interdisciplinary or inter-disciplinary or interprofession\$ or inter-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).tw.
52	((multidisciplinary or multi-disciplinary or multiprofession\$ or multi-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).tw.
53	((transdisciplinary or trans-disciplinary or transprofession\$ or trans-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).tw.
54	((co-ordinat\$ or coordinat\$ or network\$) adj3 (care or service? or practice?)).tw.
55	((midwi\$ or health visitor? or dietician? or nurse? or infant feed\$) adj3 (team\$ or service? or staff\$)).tw.
56	(community adj3 (team? or approach\$ or program\$ or care or service?)).tw.
57	(special\$ adj1 (team? or approach\$ or program\$ or care or manag\$ or service? or package?)).tw.
58	((mobile or roaming) adj1 (team? or service?)).tw.
59	"DELIVERY OF HEALTH CARE, INTEGRATED"/
60	((tertiary or secondary) adj5 (setting or clinic? or cent\$ or service? or care or healthcare or team?)).tw.
61	((primary or community) adj5 (setting or clinic? or cent\$ or service? or care or healthcare or team?)).tw.
62	or/43-61
63	42 and 62

## 2 **E.13.6 Embase**

#	Searches
1	SYSTEMATIC REVIEW/
2	META-ANALYSIS/
3	(meta analy* or metanaly* or metaanaly*).ti,ab.
4	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
5	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
6	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
7	(search* adj4 literature).ab.
8	(medline or pubmed or cochrane or embase or psychlit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
9	((pool* or combined) adj2 (data or trials or studies or results)).ab.
10	cochrane.jw.
11	or/1-10
12	random*.ti,ab.
13	factorial*.ti,ab.

#	Searches
14	(crossover* or cross over*).ti,ab.
15	((doubl* or singl*) adj blind*).ti,ab.
16 17	(assign* or allocat* or volunteer* or placebo*).ti,ab.  CROSSOVER PROCEDURE/
18	SINGLE BLIND PROCEDURE/
19	RANDOMIZED CONTROLLED TRIAL/
20	DOUBLE BLIND PROCEDURE/
21	or/12-20
22	or/11,21
23	PRESCHOOL CHILD/ or TODDLER/
24	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
25	exp INFANT/
26 27	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab. exp PEDIATRICS/
28	p?ediatric\$.ti,ab.
29	or/23-28
30	FAILURE TO THRIVE/
31	(fail\$ adj2 thriv\$).ti,ab.
32	FTT.ti,ab.
33	(falter\$ adj3 (weight or grow\$)).ti,ab.
34	or/30-33
35	29 and 34
36 37	*WEIGHT REDUCTION/
38	WEIGHT CHANGE/ WEIGHT FLUCTUATION/
39	WEIGHT VARIATION/
40	WASTING SYNDROME/
41	EMACIATION/
42	*ANOREXIA/
43	or/36-42
44	29 and 43
45	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *NUTRITIONAL DISORDER/
46 47	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *EATING DISORDER/ (PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *MALNUTRITION/
48	(PRESCHOOL CHILD/ OF TODDLER/ OF exp INFANT/) and *GROWTH DISORDER/
49	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
50	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
51	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
0.	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
52	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
53	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
54	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
54	premie or preschools or pre-schools or toddlers or intans or neonats or newborns or baby or bables or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
55	or/45-54
56	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
57	NEONATAL WEIGHT LOSS/
58	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
<b>F</b> 0	dehyrat\$)).ti,ab.
59	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$
	or physiolog\$))).ti,ab.
60	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or
	"12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss
	or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
61	or/56-60
62	35 or 44 or 55 or 61 MULTIDISCIPLINARY TEAM CARE/
63 64	((patient? or medical or health) adj1 care team).ab,ti.
65	healthcare team?.ab,ti.
66	((interdisciplinary or inter-disciplinary or interprofession\$ or inter-profession\$ or integrated or network\$) adj3 (team?
33	or staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or
	service?)).ab,ti.
67	((transdisciplinary or trans-disciplinary or transprofession\$ or trans-profession\$) adj3 (team? or staff\$ or task force?
60	or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or service?)).ab,ti.
68	((multidisciplinary or multi-disciplinary or multiprofession\$ or multi-profession\$ or integrated or network\$) adj3 (team? or staff\$ or task force? or approach\$ or program\$ or system? or panel? or forum? or care or manag\$ or
	or starty or tack rolog. or approach or programly or system: or parior: or rollin: or other or manage or

#	Searches
	service?)).ab,ti.
69	mdt?.ab.ti.
70	network meeting?.ti,ab.
71	or/63-70
72	*INTERDISCIPLINARY COMMUNICATION/
73	((interdisciplinary or inter-disciplinary or interprofession\$ or inter-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).ab,ti.
74	((multidisciplinary or multi-disciplinary or multiprofession\$ or multi-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).ab,ti.
75	((transdisciplinary or trans-disciplinary or transprofession\$ or trans-profession\$) adj3 (communic\$ or collaborat\$ or relation\$)).ab,ti.
76	((co-ordinat\$ or coordinat\$ or network\$) adj3 (care or service? or practice?)).ab,ti.
77	or/72-76
78	((midwi\$ or health visitor? or dietician? or nurse? or infant feed\$) adj3 (team\$ or service? or staff\$)).ti,ab.
79	(community adj3 (team? or approach\$ or program\$ or care or service?)).ti,ab.
80	(special\$ adj1 (team? or approach\$ or program\$ or care or manag\$ or service? or package?)).ti,ab.
81	((mobile or roaming) adj1 (team? or service?)).ti,ab.
82	or/78-81
83	INTEGRATED HEALTH CARE SYSTEM/
84	((primary or community) adj5 (setting or clinic? or service? or care or healthcare or team?)).ti,ab.
85	((tertiary or secondary) adj5 (setting or clinic? or cent\$ or service? or care or healthcare or team?)).ti,ab.
86	or/83-85
87	71 or 77 or 82 or 86
88	62 and 87
89	limit 88 to english language
90	letter.pt. or LETTER/
91	note.pt.
92	editorial.pt.
93	CASE REPORT/ or CASE STUDY/
94	(letter or comment*).ti.
95	or/90-94
96	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
97	95 not 96
98	ANIMAL/ not HUMAN/
99	NONHUMAN/
100	exp ANIMAL EXPERIMENT/
101	exp EXPERIMENTAL ANIMAL/
102	ANIMAL MODEL/
103	exp RODENT/
104	(rat or rats or mouse or mice).ti.
105	or/97-104
106	89 not 105
107	22 and 106

# 2 E.14 Information and support

#### 3 E.14.1 Medline and Medline In-Process & Other Non-Indexed Citations

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/

Searches  WASTING SYNDROME/  "THINNESS/ EMACATION  ANOREXIA/  or/14-22  7 and 23  "CHILD NUTRITION DISORDERS/  "FEEDING AND EATING DISORDERS OF CHILDHOOD'/  (CHILD, PRESCHOOL or exp INFANT) and "MALNUTRITION/  (CHILD, PRESCHOOL or exp INFANT) and "GROWTH DISORDERS/  ((CHILD, PRESCHOOL) or preschools or traddlers or infants or newborns or baby or babies or pre#mile? or premies) adj7 ((Slow\$ or insufficients) adj2 weight adj2 gain\$)),ti.ab.  ((Child\$ or preschool\$ or pre-school\$ or toddlers or infants or neonat\$ or newborns or baby or babies or pre#mile? or premies adj7 ((Slow\$ or insufficients) adj2 weight adj2 gain\$)),ti.ab.  ((Child\$ or preschool\$ or pre-school\$ or toddlers or infants or neonat\$ or newborns or baby or babies or pre#mile? or premies or premies adj7 (Grows adj
THINNESS/ EMACIATION ANOREXIA/ 30 or/14-22 ANOREXIA/ 31 or/14-22 ANOREXIA/ 32 or/14-22 T and 23 51 "CHILD NUTRITION DISORDERS/ 52 "INFANT NUTRITION DISORDERS/ 53 "INFANT NUTRITION DISORDERS OF CHILDHOOD!/ 54 (CHILD, PRESCHOOL/ or exp INFANT) and "MALNUTRITION/ 55 (CHILD, PRESCHOOL/ or exp INFANT) and "MALNUTRITION/ 66 (CHILD, PRESCHOOL/ or exp INFANT) and "GROWTH DISORDERS/ 67 (CHILD, PRESCHOOL/ or exp INFANT) and "GROWTH DISORDERS/ 68 (CHILD, PRESCHOOL/ or exp INFANT) and "GROWTH DISORDERS/ 69 (CHILD, PRESCHOOL) or exp INFANT) and "GROWTH DISORDERS/ 60 (CHILD, PRESCHOOL/ or exp INFANT) and "GROWTH DISORDERS/ 60 (CHILG) or preschool's or pre-school's or toddlers' or infans' or neonats' or newborn's or baby or babies or pre#mie? or premie or premies) adj? (Weight adj.' (loss or lose or losing or reducs' or decrease's or deficiens)). It, ab. 61 ((Child's or preschool's or pre-school's or toddlers' or infans' or neonats' or newborn's or baby or babies or pre#mie? or under weight? or underweight?  20 ((Child's or preschool's or pre-school's or toddlers' or infans' or neonats' or newborns' or baby or babies or pre#mie? or premie or premies) adj? (malnutritions' or malnutritions'), i.i.a.  21 ((Child's or preschool's or pre-school's or toddlers' or infans' or neonats' or newborns' or baby or babies or pre#mie? or newborns' or baby or babies or pre#mie? or newborns' or baby or babies or pre#mie? or premie or premies) adj?
2A NOREXIA/ 2 ANOREXIA/ 2 or/14-22 2 17 and 23 2 or/14-22 2 7 7 and 23 2 or/14-22 2 7 7 and 23 2 or/14-22 2 7 7 and 23 2 "INFANT NUTRITION DISORDERS/ 2 "INFEDIOS AND EATING DISORDERS OF CHILDHOOD'/ 2 (CHILD, PRESCHOOL/ or exp INFANT) and "MALNUTRITION/ 2 (CHILD, PRESCHOOL/ or exp INFANT) and "GROWTH DISORDERS/ 3 ((ChildS or preschools or pre-schools or toddlers or infans' or neonats or newborns' or baby or babies or pre#mie? or premie or premies) adj5 (undermutritions' or toddlers' or infans' or neonats' or newborns' or baby or babies or pre#mie? or premie or premies) adj5 (undermutritions' or under nutritions' or protections'), it.a.b. 3 ((childS or preschools or pre-schools or toddlers' or infans' or neonats' or newborns' or baby or babies or pre#mie? or premie or premies) adj5 (undermutritions' or under nutritions' or protections') or wasting or thin or thinn's or emacials' or anorexis' or stunting or stuntiens') adj1 (disorders' or problems')) or wasting or thin or thinn's or emacials' or pre-schools' or toddlers' or infans' or neonats' or newborns' or baby or babies or pre#mie? or premie or premies) adj7 ((Slows' or insufficients)) adj2 weight adj2 gain(s)), it.a.b. 3 ((childS or preschools' or pre-schools' or toddlers' or infans' or neonats' or newborns' or baby or babies or pre#mie? or premie or premies) adj2 ((malnutritions' or malnourishs)), it.a.b. 4 ((childS or preschools' or pre-schools' or toddlers' or infans' or neonats' or newborns' or baby or babies or pre#mie? or premie or premies) adj7 (grows adj1 (disorder or deficients' or poors' or fails))), it.a.b. 5 ((childS or preschools' or pre-schools') or toddlers' or infans' or neonats' or newborns' or baby or babies or pre#mie? or premie or premies) adj10 (hypernatrs' or premie or premies) adj10 (hypernatrs' or expense or premies) adj3 (adj3 (adj3) (
ANOREXIAV  or/14-22  17 and 23  or/14-22  17 and 23  CHILD NUTRITION DISORDERS/  "INFANT NUTRITION DISORDERS/  (CHILD, PRESCHOOL/ or exp INFANT/) and "MALNUTRITION/ (CHILD, PRESCHOOL/ or exp INFANT/) and "MALNUTRITION/ (CHILD, PRESCHOOL/ or exp INFANT/) and "MALNUTRITION/ (CHILD, PRESCHOOL/ or exp INFANT/) and "GROWTH DISORDERS/ (CHILG) PRESCHOOL/ or exp INFANT/) and "GROWTH DISORDERS/ (CHILG) or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reducs or decreass or deficiens))).ti.ab.  ((childs or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj7 (Ideads or east or nutritions) adj7 (Ideads or enderiourshs or under nourishs or under weight? or underweight? or (Ideads or east or nutritions) adj7 (Ideads or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj7 ((Slows or insufficients) adj2 (weight adj2 gains)).ti.ab.  ((Childs or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj2 (malnutritions or malnunishs).ti.ab.  ((Childs or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj7 (grows adj1 (gloswder or deficiens or poors of rails)).ti.ab.  ((Childs or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poors or deficiens or poors of rails)).ti.ab.  ((Childs or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj10 (height? adj3 (losor or deficiens or poors or family).ti.ab.  ((Infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj10 (height? or "11.5" or "15.5" or "16.5" or "15.5" or "15.5" or "15.5" o
or/14-22 4 7 and 23 5 "CHILD NUTRITION DISORDERS/ 6"INFANT NUTRITION DISORDERS/ 7"FEEDING AND EATING DISORDERS OF CHILDHOOD'/ (CHILD, PRESCHOOL or exp INFANT)) and "MALNUTRITION) (CHILD, PRESCHOOL or exp INFANT) and "GROWTH DISORDERS/ ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$)).it,ab. ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernounsh\$ or undernounsh\$ or undernounsh\$ or or under weight? or underweight? or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((slow\$ or insufficient\$) adj2 weight adj2 gain\$).ti,ab. ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ii,ab.  4 ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or short\$ or small\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or short\$ or small\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrafs).ii,ab.  5 (child\$ or preschool\$ or pre-school\$ or oddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrafs).ii,ab.  6 (child\$ or preschool\$ or newborn\$ or baby or babies or
<ul> <li>25 "CHILD NUTRITION DISORDERS/</li> <li>26 "INFANT NUTRITION DISORDERS OF CHILDHOODY/</li> <li>28 (CHILD, PRESCHOOL/ or exp INFANT) and "MALNUTRITION/</li> <li>30 (CHILD, PRESCHOOL/ or exp INFANT) and "GROWTH DISORDERS/</li> <li>30 (Ichilds) preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adjf (Weight adj3 (loss or lose or losing or reducs or decreass) or deficiens))).ti,ab.</li> <li>31 (Ichilds or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj6 (undernutritions or under nutritions or poor nutritions or undernourishs or under nourishs or under weight? or underweight? or (feeds or east or nutritions) adj1 (disorders or protemies) or wasting or thin or thinns or emaciats or anorexis or stunting or stunted)),ti,ab.</li> <li>32 (Ichilds or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj7 ((Slows or insufficients)) adj2 weight adj2 gains)),ti,ab.</li> <li>33 (Ichilds or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj2 (malnutritions or malnourishs)),ti,ab.</li> <li>34 (Ichilds or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj7 (grows adj1 (disorder or deficiens or poors or fails)),ti,ab.</li> <li>35 (Ichilds or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poors or deficiens or shorts or smalls or retards))),ti,ab.</li> <li>36 (infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj10 (hypernats or dehyrats),ti,ab.</li> <li>37 (infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj10 (hypernats or dehyrats),ti,ab.</li> <li>38 (infans or neonats or newborns or baby or</li></ul>
<ul> <li>26 *INFANT NUTRITION DISORDERS/</li> <li>27 "FEEDING AND EATING DISORDERS OF CHILDHOOD"/</li> <li>28 (CHILD, PRESCHOOL or exp INFANT) and "MALNUTRITION/</li> <li>29 (CHILD, PRESCHOOL or exp INFANT) and "GROWTH DISORDERS/</li> <li>30 (Ichilds or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$)).it.ab.</li> <li>31 (Ichilds or preschools or pre-schools or toddlers or infans or neonats or newborns or baby or babies or pre#mie? or premie or premies) adj5 (undernutritions or under nutritions) or poor nutritions or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutritions) adj1 (disorder\$ or premies) adj5 (indernutritions) or under nutritions or poor nutritions or undernourish\$ or under nourish\$ or enceints or emaciats or anorexi8 or stunting or stunted).it.ab.</li> <li>32 ((Ichild\$ or preschools or pre-school\$ or toddler\$ or infans or neonat\$ or newborns or baby or babies or pre#mie? or premie or premies) adj? ((Slow\$ or insufficients) adj2 weight adj2 gain\$),it.ab.</li> <li>33 ((Ichild\$ or preschool\$ or pre-school\$ or toddler\$ or infans or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutritions or malnourish\$),it.ab.</li> <li>34 ((Ichild\$ or preschool\$ or pre-school\$ or toddler\$ or infans or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (forw\$ adj1 (disorder or deficien\$ or poors or fall\$)),it.ab.</li> <li>35 ((Ichild\$ or preschool\$ or pre-school\$ or toddler\$ or infans or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))),it.ab.</li> <li>36 ((Ichild\$ or preschool\$ or pre-school\$ or toddler\$ or infans or neonat\$ or newborn\$ or baby or baby or babies or pre#mie? or premie or premies) adj10 (hypernatt\$ or newborn\$ or ba</li></ul>
"FEEDING AND EATING DISORDERS OF CHILDHOOD"/  (CHILD, PRESCHOOL/ or exp INFANT) and "MALNUTRITION/  (CHILD, PRESCHOOL/ or exp INFANT) and "GROWTH DISORDERS/  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$)),ti,a.b.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or undernourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problems\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted), ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$), ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)), ti, ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))), ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrats)), ti,ab.  ((child\$ or preschool\$ or or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (premie? or premie?) or neonat\$ or newborn\$ or baby or babies or pre#mie? o
(CHILD, PRESCHOOL/ or exp INFANT) and "MALNUTRITION/ (CHILD, PRESCHOOL) or exp INFANT) and "GROWTH DISORDERS/ ((CHILG) or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or loss or losing or reduc\$ or decreas\$ or deficien\$)), i.ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undermourish\$ or under nourish\$ or under weight? or (fleed\$ or eat\$ or nutrition\$ or poor nutrition\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorex\$ or stunting or stunted), it, ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((slow6 or insufficients) adj2 weight adj2 gain\$), it, ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$), it, ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (flow5 adj1 (disorder or deficien\$ or poor\$ or fail\$))), it, ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (fleight? adj3 (poor\$ or deficien\$ or poor\$ or fail\$))), it, ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))), it, ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyra\$), it, ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (preschool?) or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or
(Child, PRESCHOOL or exp INFANT) and "GROWTH DISORDERS' ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj? (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$)),ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj6 (undermutrition\$ or under nutrition\$ or undernotins\$ or under nourish\$ or under nourish\$ or expending or expending or anorexi\$ or stunting or stunted),ti,ab  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$),ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)),ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)),ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))),ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (poor\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj4 (poor\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or small\$ or retard\$))),ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$),ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (parly or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ o
<ul> <li>(child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.</li> <li>(child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or under nutrition\$ or underweight? or underweight? or (fleed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted).ti,ab.</li> <li>(child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((slow\$ or insufficient\$) adj2 weight adj2 gain\$),ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))),ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))),ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))),ti,ab.</li> <li>((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypematr\$ or dehyrats),ti,ab.</li> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypematr\$ or dehyrats),ti,ab.</li> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypematr\$ or postpartum or follow\$ birth?) adj10 (weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or newborn\$</li></ul>
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under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (mainutrition\$ or malnourish\$).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or pore or fais)).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$),ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (parly or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)),ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))),ti,ab.  ((child\$ or preonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.5" or "16.5" or "16.5" or "16.5" or "17.5" or
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premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) add2 (mainturition\$ or malnourish\$).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) add7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$)).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.  or/25-35  ap INFANT/ and (HYPERNATREMIA/ or "DEHYDRATION/)  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$)).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  1 or/37-40  1 3 or 24 or 36 or 41  NURSES, COMMUNITY HEALTH/  ((communit\$ or home or visit\$) adj2 nurs\$).ti,ab.  health visit\$.ti,ab.  CHILD CARE/  OHILD DAY CARE CENTERS/  NURSERIES/  ((daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.  ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.  (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregi
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premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti, ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti, ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti, ab.  or/25-35  acy INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)  (((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti, ab.  (((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti, ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti, ab.  141  or/37-40  142  13 or 24 or 36 or 41  NURSES, COMMUNITY HEALTH/  (((communit\$ or home or visit\$) adj2 nurs\$).ti, ab.  144  CHILD DAY CARE CENTERS/  NURSERIES/  ((daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or babysit\$ or nursery or nurseries or kindergra#en?).ti, ab.  ((exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or care??).ti.  (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or care??).ti.
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premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.  or/25-35  exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  41  or/37-40  42  13 or 24 or 36 or 41  NURSES, COMMUNITY HEALTH/  44  ((communit\$ or home or visit\$) adj2 nurs\$).ti,ab.  45  health visit\$.ti,ab.  46  CHILD CARE/  47  CHILD DAY CARE CENTERS/  NURSERIES/  48  NURSERIES/  49  (daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.  50  ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.  (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2
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<ul> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.</li> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>or/37-40</li> <li>13 or 24 or 36 or 41</li> <li>NURSES, COMMUNITY HEALTH/</li> <li>((communit\$ or home or visit\$) adj2 nurs\$).ti,ab.</li> <li>health visit\$.ti,ab.</li> <li>CHILD CARE/</li> <li>OLARE CENTERS/</li> <li>NURSERIES/</li> <li>(daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.</li> <li>((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.</li> <li>(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or care?).ti.</li> <li>(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or care?).ab. /freq=2</li> </ul>
<ul> <li>(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "15.\$" or "15.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>at or/37-40</li> <li>at or/37-40</li> <li>nurses, community Health/</li> <li>((communit\$ or home or visit\$) adj2 nurs\$).ti,ab.</li> <li>health visit\$.ti,ab.</li> <li>CHILD CARE/</li> <li>CHILD DAY CARE CENTERS/</li> <li>NURSERIES/</li> <li>(daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.</li> <li>((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.</li> <li>(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or care?).ti.</li> <li>(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or care?).ti.</li> </ul>
postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  1 or/37-40  1 3 or 24 or 36 or 41  NURSES, COMMUNITY HEALTH/  ((communit\$ or home or visit\$) adj2 nurs\$).ti,ab.  1 health visit\$.ti,ab.  CHILD CARE/  CHILD DAY CARE CENTERS/  NURSERIES/  (daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.  ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.  ((exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or care?).ab. /freq=2
physiolog\$))).ti,ab.  ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/37-40  13 or 24 or 36 or 41  NURSES, COMMUNITY HEALTH/  ((communit\$ or home or visit\$) adj2 nurs\$).ti,ab.  health visit\$.ti,ab.  CHILD CARE/  CHILD DAY CARE CENTERS/  NURSERIES/  (daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.  ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.  (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.  (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2
<ul> <li>40 ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.</li> <li>41 or/37-40</li> <li>42 13 or 24 or 36 or 41</li> <li>43 NURSES, COMMUNITY HEALTH/</li> <li>44 ((communit\$ or home or visit\$) adj2 nurs\$).ti,ab.</li> <li>45 health visit\$.ti,ab.</li> <li>46 CHILD CARE/</li> <li>47 CHILD DAY CARE CENTERS/</li> <li>48 NURSERIES/</li> <li>49 (daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.</li> <li>50 ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.</li> <li>51 (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or care?).ab. /freq=2</li> </ul>
or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  41 or/37-40  42 13 or 24 or 36 or 41  43 NURSES, COMMUNITY HEALTH/  44 ((communit\$ or home or visit\$) adj2 nurs\$).ti,ab.  45 health visit\$.ti,ab.  46 CHILD CARE/  47 CHILD DAY CARE CENTERS/  NURSERIES/  48 NURSERIES/  49 (daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.  50 ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.  51 (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or care?).ti.  52 (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or care?).ab. //freq=2
losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.  or/37-40  13 or 24 or 36 or 41  NURSES, COMMUNITY HEALTH/  ((communit\$ or home or visit\$) adj2 nurs\$).ti,ab.  health visit\$.ti,ab.  CHILD CARE/  CHILD DAY CARE CENTERS/  NURSERIES/  (daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.  ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.  (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.  (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.
13 or 24 or 36 or 41  NURSES, COMMUNITY HEALTH/  ((communit\$ or home or visit\$) adj2 nurs\$).ti,ab. health visit\$.ti,ab.  CHILD CARE/  CHILD DAY CARE CENTERS/  NURSERIES/  (daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.  ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.  (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.  (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2
NURSES, COMMUNITY HEALTH/  ((communit\$ or home or visit\$) adj2 nurs\$).ti,ab.  health visit\$.ti,ab.  CHILD CARE/  CHILD DAY CARE CENTERS/  NURSERIES/  (daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.  ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.  (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.  (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2
<ul> <li>44 ((communit\$ or home or visit\$) adj2 nurs\$).ti,ab.</li> <li>45 health visit\$.ti,ab.</li> <li>46 CHILD CARE/</li> <li>47 CHILD DAY CARE CENTERS/</li> <li>48 NURSERIES/</li> <li>49 (daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.</li> <li>50 ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.</li> <li>51 (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.</li> <li>52 (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2</li> </ul>
health visit\$.ti,ab.  CHILD CARE/  CHILD DAY CARE CENTERS/  NURSERIES/  (daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.  ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.  (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.  (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2
46 CHILD CARE/ 47 CHILD DAY CARE CENTERS/ 48 NURSERIES/ 49 (daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab. 50 ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab. 51 (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti. 52 (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2
<ul> <li>CHILD DAY CARE CENTERS/</li> <li>NURSERIES/</li> <li>(daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.</li> <li>((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.</li> <li>(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.</li> <li>(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2</li> </ul>
<ul> <li>(daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or babysit\$ or nurseries or kindergar#en?).ti,ab.</li> <li>((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.</li> <li>(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.</li> <li>(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2</li> </ul>
or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.  ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.  ((exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.  (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2
<ul> <li>((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.</li> <li>(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.</li> <li>(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2</li> </ul>
<ul> <li>(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.</li> <li>(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2</li> </ul>
and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.  (exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2
(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2
and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2
53 ((famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (support\$ or counsel\$ or advi?e\$ or
advis\$)).ti,ab.
54 or/43-53
55 HEALTH EDUCATION/ 56 exp CONSUMER HEALTH INFORMATION/
57 PATIENT EDUCATION AS TOPIC/
58 patient education handout.pt.
59 guideline.pt.
60 ((verbal\$ or written or group? or individual\$) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$
or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement
or support\$ or counsel\$)).ti,ab. 61 ((information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge
or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$) adj3 (pamphlet\$ or
leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or
webpage\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
62 (PUBLICATIONS/ or PAMPHLETS/ or POSTERS AS TOPIC/) and (patient\$ or famil\$ or parent? or parental or father\$
or mother\$ or caregiver\$ or carer?).ti,ab.
((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or webpage\$ or
video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
64 ((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$
or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or

#	Searches
	misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti.
65	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$
03	or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or
	misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ab. /freq=3
66	((information\$ or educat\$) adj3 (model\$ or program\$ or need\$ or requirement\$ or support\$ or seek\$ or access\$ or
	disseminat\$)).ti,ab.
67	((volunt\$ or peer? or group\$) adj3 support\$).ti,ab.
68	((online or on-line) adj3 forum?).ti,ab.
69	INTERNET/
70	SELF-HELP GROUPS/
71	group meeting?.ti,ab.
72	or/55-71
73	54 or 72
74	42 and 73
75	limit 74 to english language
76	LETTER/
77	EDITORIAL/
78	NEWS/
79	exp HISTORICAL ARTICLE/
80	ANECDOTES AS TOPIC/
81	COMMENT/
82	CASE REPORT/
83	(letter or comment*).ti.
84	or/76-83
85	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
86	84 not 85
87	ANIMALS/ not HUMANS/
88	exp ANIMALS, LABORATORY/
89	exp ANIMAL EXPERIMENTATION/
90	exp MODELS, ANIMAL/
91	exp RODENTIA/
92	(rat or rats or mouse or mice).ti.
93	or/86-92
94	75 not 93
95	INTERVIEW\$.tw.
96	PX.fs.
97	exp HEALTH SERVICES ADMINISTRATION/
98	or/95-97
99	94 and 98

2 E.14.2 Cochrane Central Register of Controlled Trials (CCTR)

000	in ane central register of controlled That's (COTR)
#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,kw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab,kw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/

#	Searches
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or poor nutrition\$ or undernourish\$ or underweight? or ((feed\$ or eat\$ or
32	nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab. ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
41	or/37-40
42	13 or 24 or 36 or 41
43	NURSES, COMMUNITY HEALTH/
44	((communit\$ or home or visit\$) adj2 nurs\$).ti,ab.
45	health visit\$.ti,ab,kw.
46	CHILD CARE/
47	CHILD DAY CARE CENTERS/
48	NURSERIES/
49 50	(daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab,kw.  ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.
51	(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.
52	(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or career?).ab. /freq=2
53	((famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (support\$ or counsel\$ or advi?e\$ or advis\$)).ti,ab.
54	or/43-53
55	HEALTH EDUCATION/
56	exp CONSUMER HEALTH INFORMATION/
57 58	PATIENT EDUCATION AS TOPIC/ patient education handout.pt.
58	guideline.pt.
60	((verbal\$ or written or group? or individual\$) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti,ab.
61	((information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or webpage\$ or
62	video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.  (PUBLICATIONS/ or PAMPHLETS/ or POSTERS AS TOPIC/) and (patient\$ or famil\$ or parent? or parental or father\$ or mather\$ or parent?) ti ob.
63	mother\$ or caregiver\$ or carer?).ti,ab.  ((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or webpage\$ or
64	video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.  ((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti.
65	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or
66	misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ab. /freq=3 ((information\$ or educat\$) adj3 (model\$ or program\$ or need\$ or requirement\$ or support\$ or seek\$ or access\$ or disseminat\$)).ti,ab.
67	((volunt\$ or peer? or group\$) adj3 support\$).ti,ab.
68	((online or on-line) adj3 forum?).ti,ab.

#	Searches
69	INTERNET/
70	SELF-HELP GROUPS/
71	group meeting?.ti,ab,kw.
72	or/55-71
73	54 or 72
74	42 and 73
75	INTERVIEW\$.tw.
76	PX.fs.
77	exp HEALTH SERVICES ADMINISTRATION/
78	or/75-77
79	74 and 78

## 2 E.14.3 Cochrane Database of Systematic Reviews (CDSR)

	Searches
#	
1	CHILD, PRESCHOOL.kw. (child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
2	INFANT.kw.
3	
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	PEDIATRICS.kw.
6	p?ediatric\$.ti,ab.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
35	or/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
20	physiolog\$))).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$"
	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	or/36-39
40	13 or 23 or 35 or 40
41	13 01 23 01 33 01 40

#	Searches
42	NURSES, COMMUNITY HEALTH.kw.
43	((communit\$ or home or visit\$) adj2 nurs\$).ti,ab.
44	health visit\$.ti,ab.
	CHILD CARE.kw.
45	
46	CHILD DAY CARE CENTERS.kw.
47	NURSERIES.kw.
48	(daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.
49	((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab.
50	(COUNSELING or DECISION SUPPORT TECHNIQUES or SOCIAL SUPPORT or COMMUNITY NETWORKS).kw. and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti,ab.
51	((famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (support\$ or counsel\$ or advi?e\$ or advis\$)).ti,ab.
52	or/42-51
53	HEALTH EDUCATION.kw.
54	CONSUMER HEALTH INFORMATION.kw.
55	PATIENT EDUCATION AS TOPIC.kw.
56	((verbal\$ or written or group? or individual\$) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti,ab.
57	((information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or webpage\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
58	(PUBLICATIONS or PAMPHLETS or POSTERS).kw. and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti,ab.
59	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
60	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti.
61	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ab. /freq=3
62	((information\$ or educat\$) adj3 (model\$ or program\$ or need\$ or requirement\$ or support\$ or seek\$ or access\$ or disseminat\$)).ti,ab.
63	((volunt\$ or peer? or group\$) adj3 support\$).ti,ab.
64	((online or on-line) adj3 forum?).ti.ab.
65	INTERNET.kw.
66	SELF-HELP GROUPS.kw.
67	group meeting?.ti,ab.
68	or/53-67
69	52 or 68
70	41 and 69
70	TI GING OU

2 E.14.4 Database of Abstracts of Reviews of Effects (DARE)

#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw,tx.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw,tx.
5	PEDIATRICS.kw.
6	p?ediatric\$.tw,tx.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).tw,tx.
10	FTT.tw,tx.
11	(falter\$ adj3 (weight or grow\$)).tw,tx.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.

# 21	Searches ANOREVIA law
21 22	ANOREXIA.kw. or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
29	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw,tx.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw,tx.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw,tx.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw,tx.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw,tx.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw,tx.
35 36	or/24-34 (INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw,tx.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
40	or/36-39 13 or 23 or 35 or 40
41 42	NURSES, COMMUNITY HEALTH.kw.
43	((communit\$ or home or visit\$) adj2 nurs\$).ti,tw.
44	health visit\$.ti,ab.
45	CHILD CARE.kw.
46	CHILD DAY CARE CENTERS.kw.
47	NURSERIES.kw. (daycare? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder?
48	or babysit\$ or nursery or nurseries or kindergar#en?).ti,tw.  ((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,tw.
50	((attends of places of care?) adjs (prescribor? of pile school?)).ti,tw.  (COUNSELING or DECISION SUPPORT TECHNIQUES or SOCIAL SUPPORT or COMMUNITY NETWORKS).kw. and (patient\$ or famil\$ or parent?) or parental or father\$ or mother\$ or caregiver\$ or carer?).ti,tw.
51	((famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (support\$ or counsel\$ or advi?e\$ or advis\$)).ti,tw.
52	or/42-51
53	HEALTH EDUCATION.kw.
54	CONSUMER HEALTH INFORMATION.kw.
55 56	PATIENT EDUCATION AS TOPIC.kw.  ((verbal\$ or written or group? or individual\$) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement
57	or support\$ or counsel\$)).ti,tw. ((information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge
	or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or webpage\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,tw.
58	(PUBLICATIONS or PAMPHLETS or POSTERS).kw. and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti,tw.
59	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,tw.
60	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti,tw.
61	((information\$ or educat\$) adj3 (model\$ or program\$ or need\$ or requirement\$ or support\$ or seek\$ or access\$ or disseminat\$)).ti,tw.
62	((volunt\$ or peer? or group\$) adj3 support\$).ti,tw.
63	((online or on-line) adj3 forum?).ti,tw.
64	INTERNET.kw.
65	SELF-HELP GROUPS.kw.

#	Searches
66	group meeting?.ti,tw.
67	or/53-66
68	52 or 67
69	41 and 68

## 2 E.14.5 Health Technology Assessment (HTA)

пеа	Ith Technology Assessment (HTA)
#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
5	exp PEDIATRICS/
6	p?ediatric\$.tw.
	or/1-6
7	
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).tw.
10	FTT.tw.
11	(falter\$ adj3 (weight or grow\$)).tw.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw.
26	
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
41	or/37-40
42	13 or 24 or 36 or 41
43	NURSES, COMMUNITY HEALTH/
43	((communit\$ or home or visit\$) adj2 nurs\$).tw.
45	health visit\$.tw.
46	CHILD CARE/
47	CHILD DAY CARE CENTERS/
48	NURSERIES/

ш	Consider
#	Searches
49	(daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).tw.
50	((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).tw.
51	(exp COUNSELING/ or DECISION SUPPORT TECHNIQUES/ or SOCIAL SUPPORT/ or COMMUNITY NETWORKS/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).tw.
52	((famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (support\$ or counsel\$ or advi?e\$ or advis\$)).tw.
53	or/43-52
54	HEALTH EDUCATION/
55	exp CONSUMER HEALTH INFORMATION/
56	PATIENT EDUCATION AS TOPIC/
57	((verbal\$ or written or group? or individual\$) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).tw.
58	((information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or webpage\$ or video\$ or dvd\$ or online or internet or app? or application?)).tw.
59	(PUBLICATIONS/ or PAMPHLETS/ or POSTERS AS TOPIC/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).tw.
60	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or video\$ or dvd\$ or online or internet or app? or application?)).tw.
61	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).tw.
62	((information\$ or educat\$) adj3 (model\$ or program\$ or need\$ or requirement\$ or support\$ or seek\$ or access\$ or disseminat\$)).tw.
63	((volunt\$ or peer? or group\$) adj3 support\$).tw.
64	((online or on-line) adj3 forum?).tw.
65	INTERNET/
66	SELF-HELP GROUPS/
67	group meeting?.tw.
68	01/54-67
69	53 or 68
70	42 and 69

## 2 **E.14.6** Embase

⊨mb	Embase		
#	Searches		
1	PRESCHOOL CHILD/ or TODDLER/		
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.		
3	exp INFANT/		
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.		
5	exp PEDIATRICS/		
6	p?ediatric\$.ti,ab.		
7	or/1-6		
8	FAILURE TO THRIVE/		
9	(fail\$ adj2 thriv\$).ti,ab.		
10	FTT.ti,ab.		
11	(falter\$ adj3 (weight or grow\$)).ti,ab.		
12	or/8-11		
13	7 and 12		
14	*WEIGHT REDUCTION/		
15	WEIGHT CHANGE/		
16	WEIGHT FLUCTUATION/		
17	WEIGHT VARIATION/		
18	WASTING SYNDROME/		
19	EMACIATION/		
20	*ANOREXIA/		
21	or/14-20		
22	7 and 21		
23	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *NUTRITIONAL DISORDER/		
24	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *EATING DISORDER/		
25	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *MALNUTRITION/		
26	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *GROWTH DISORDER/		
27	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or		
00	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.		
28	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or		

#	Searches
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
33	or/23-32
34	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
35	NEONATAL WEIGHT LOSS/
36	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
39	or/34-38
40	13 or 22 or 33 or 39
41	*NURSE/
42 43	((communit\$ or home or visit\$) adj2 nurs\$).ti,ab.
43	health visit\$.ti,ab.  *CHILD CARE/
45	DAY CARE/
46	NURSERY/
47	(daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.
48 49	((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab. (COUNSELING/ or DECISION SUPPORT SYSTEM/ or SOCIAL SUPPORT/ or COMMUNITY CARE/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.
50	(COUNSELING/ or DECISION SUPPORT SYSTEM/ or SOCIAL SUPPORT/ or COMMUNITY CARE/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2
51	((famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (support\$ or counsel\$ or advi?e\$ or advis\$)).ti,ab.
52	or/41-51
53 54	*HEALTH EDUCATION/ or PARENTING EDUCATION/
55	CONSUMER HEALTH INFORMATION/ PATIENT EDUCATION/
56	((verbal\$ or written or group? or individual\$) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti,ab.
57	((information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web page\$ or
58	webpage\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.  PUBLICATION/ and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or care?).ti,ab.
59	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or care?) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web page\$ or wideo\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
60	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti.
61	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or care?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ab. /freq=3
62	((information\$ or educat\$) adj3 (model\$ or program\$ or need\$ or requirement\$ or support\$ or seek\$ or access\$ or disseminat\$)).ti,ab.
63	((volunt\$ or peer? or group\$) adj3 support\$).ti,ab.
64	((online or on-line) adj3 forum?).ti,ab.
65	INTERNET/
66	SELF HELP/
67	group meeting?.ti,ab.
68 69	or/53-67 52 or 68
70	52 OF 68 40 and 69
70	
71	limit 70 to english language

#	Searches
73	note.pt.
74	editorial.pt.
75	CASE REPORT/ or CASE STUDY/
76	(letter or comment*).ti.
77	or/72-76
78	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
79	77 not 78
80	ANIMAL/ not HUMAN/
81	NONHUMAN/
82	exp ANIMAL EXPERIMENT/
83	exp EXPERIMENTAL ANIMAL/
84	ANIMAL MODEL/
85	exp RODENT/
86	(rat or rats or mouse or mice).ti.
87	or/79-86
88	71 not 87
89	(interview\$ or qualitative).tw.
90	exp HEALTH CARE ORGANIZATION/
91	or/89-90
92	88 and 91

# 2 E.14.7 PsycInfo

Psy	PsycInfo		
#	Searches		
1	("120" or "140" or "160").ag.		
2	PRESCHOOL STUDENTS/		
3	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,hw,id,jw.		
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,hw,id,jw.		
5	exp PEDIATRICS/		
6	p?ediatric\$.ti,ab,hw,id,jw.		
7	or/1-6		
8	FAILURE TO THRIVE/		
9	(fail\$ adj2 thriv\$).ti,ab.		
10	FTT.ti,ab.		
11	(falter\$ adj3 (weight or grow\$)).ti,ab.		
12	or/8-11		
13	7 and 12		
14	WEIGHT LOSS/		
15	UNDERWEIGHT/		
16	CACHEXIA/		
17	ANOREXIA NERVOSA/		
18	or/14-17		
19	7 and 18		
20	EATING DISORDER/		
21	FEEDING DISORDER/		
22	NUTRITIONAL DEFICIENCIES/		
23	or/20-22		
24	7 and 23		
25	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.		
26	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.		
27	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.		
28	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.		
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.		
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.		
31	or/25-30		
32	("120" or "140").ag.		
33	exp DEHYDRATION/		
34	32 and 33		
35	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.		
36	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or		

#	Searches
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
38	or/35-37
39	13 or 19 or 24 or 31 or 34 or 38
40	*NURSES/
41	((communit\$ or home or visit\$) adj2 nurs\$).ti,ab.
42	health visit\$.ti,ab.
43	HOME VISITING PROGRAMS/
44	*CHILD CARE/
45	DAY CARE CENTERS/
46	CHILD DAY CARE/
47	NURSERY SCHOOLS/
48	(daycare? or day care? or childcare or child care? or child\$ center? or child\$ centre? or childminder? or child minder? or babysit\$ or nursery or nurseries or kindergar#en?).ti,ab.
49	((attend\$ or place\$ or care?) adj3 (preschool? or pre school?)).ti,ab. (COUNSELING/ or DECISION SUPPORT SYSTEMS/ or SOCIAL SUPPORT/ or SOCIAL NETWORKS/ or
50	COMMUNITY SERVICES/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti.
51	(COUNSELING/ or DECISION SUPPORT SYSTEMS/ or SOCIAL SUPPORT/ or SOCIAL NETWORKS/ or COMMUNITY SERVICES/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ab. /freq=2
52	((famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (support\$ or counsel\$ or advi?e\$ or advis\$)).ti,ab.
53	or/40-52
54	HEALTH EDUCATION/
55	CLIENT EDUCATION/
56	VERBAL COMMUNICATION/ and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti,ab.
57	((verbal\$ or written or group? or individual\$) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti,ab.
58	((information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or webpage\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
59	WRITTEN COMMUNICATION/ and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti,ab.
60	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
61	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti.
62	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ab. /freq=3
63	((information\$ or educat\$) adj3 (model\$ or program\$ or need\$ or requirement\$ or support\$ or seek\$ or access\$ or disseminat\$)).ti,ab.
64	((volunt\$ or peer? or group\$) adj3 support\$).ti,ab.
65	((online or on-line) adj3 forum?).ti,ab.
66	ONLINE COMMUNITY/ or ONLINE SOCIAL NETWORKS/
67	SUPPORT GROUPS/
68	group meeting?.ti,ab. or/54-68
69 70	53 or 69
71	39 and 70
72	limit 71 to english language
73	experience\$.mp.
74	interview\$.tw.
75	qualitative\$.tw.
76	or/73-75
77	72 and 76

#### 2 E.14.8 Medline and Medline In-Process & Other Non-Indexed Citations

#	Searches
1	META-ANALYSIS/

#	Searches
2	META-ANALYSIS AS TOPIC/
3	(meta analy* or metanaly*).ti,ab.
4	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
5	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
6	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
7	(search* adj4 literature).ab.
8	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
9	cochrane.jw.
10	or/1-9
11	randomized controlled trial.pt.
12	controlled clinical trial.pt.
13	pragmatic clinical trial.pt.
14 15	randomi#ed.ab. placebo.ab.
16	randomly.ab.
17	CLINICAL TRIALS AS TOPIC/
18	trial.ti.
19	or/11-18
20	or/10,19
21	CHILD, PRESCHOOL/
22	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
23	exp INFANT/
24	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
25	exp PEDIATRICS/
26	p?ediatric\$.ti,ab.
27	or/21-26 FAILURE TO THRIVE/
28 29	(fail\$ adj2 thriv\$).ti,ab.
30	FTT.ti,ab.
31	(falter\$ adj3 (weight or grow\$)).ti,ab.
32	or/28-31
33	27 and 32
34	*WEIGHT LOSS/
35	WEIGHT LOSS/ph [Physiology]
36	BODY WEIGHT CHANGES/
37	BODY WEIGHT MAINTENANCE/
38	IDEAL BODY WEIGHT/
39	WASTING SYNDROME/
40	*THINNESS/
41 42	EMACIATION/ ANOREXIA/
43	or/34-42
44	27 and 43
45	*CHILD NUTRITION DISORDERS/
46	*INFANT NUTRITION DISORDERS/
47	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
48	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
49	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
50	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
51	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
52	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.  ((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
53	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
54	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
55	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
56	or/45-55
57	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
58	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
59	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
60	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$"

#	Searches
	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose
	or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
61	or/57-60
62	33 or 44 or 56 or 61
63	HEALTH EDUCATION/
64	exp CONSUMER HEALTH INFORMATION/
65	PATIENT EDUCATION AS TOPIC/
66	patient education handout.pt.
67	guideline.pt.
68	((verbal\$ or written or group? or individual\$) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$
00	or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti,ab.
69	((information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or webpage\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
70	(PUBLICATIONS/ or PAMPHLETS/ or POSTERS AS TOPIC/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti,ab.
71	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
72	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti.
73	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ab. /freq=3
74	((information\$ or educat\$) adj3 (model\$ or program\$ or need\$ or requirement\$ or support\$ or seek\$ or access\$ or disseminat\$)).ti,ab.
75	((volunt\$ or peer? or group\$) adj3 support\$).ti,ab.
76	((online or on-line) adj3 forum?).ti,ab.
77	INTERNET/
78	SELF-HELP GROUPS/
79	group meeting?.ti,ab.
80	or/63-79
81	62 and 80
82	limit 81 to english language
83	LETTER/
84	EDITORIAL/
85	NEWS/
86	exp HISTORICAL ARTICLE/
87	ANECDOTES AS TOPIC/
88	COMMENT/
89	CASE REPORT/
90	(letter or comment*).ti.
91	or/83-90
92	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
93	91 not 92
94	ANIMALS/ not HUMANS/
95	exp ANIMALS, LABORATORY/
96	exp ANIMAL EXPERIMENTATION/
97	exp MODELS, ANIMAL/
98	exp RODENTIA/
99	(rat or rats or mouse or mice).ti.
100	or/93-99
100	82 not 100
101	20 and 101
102	25 4.15 101

## 2 E.14.9 Cochrane Central Register of Controlled Trials (CCTR)

obbinant contra regions of controlled male (corre)	
#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,kw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab,kw.
7	or/1-6
8	FAILURE TO THRIVE/

#	Searches
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17 18	BODY WEIGHT MAINTENANCE/ IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27 28	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/ (CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL) of exp INFANT/) and *MALNOTRITION/ (CHILD, PRESCHOOL) or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or poor nutrition\$ or undernourish\$ or underweight? or ((feed\$ or eat\$ or
20	nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
36	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab. or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
	dehyrat\$)).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
40	physiolog\$))).ti,ab. ((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or
40	"13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
41	or/37-40
42	13 or 24 or 36 or 41
43	HEALTH EDUCATION/
44	exp CONSUMER HEALTH INFORMATION/ PATIENT EDUCATION AS TOPIC/
45 46	patient education handout.pt.
47	guideline.pt.
48	((verbal\$ or written or group? or individual\$) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or
	advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or
	support\$ or counsel\$)).ti,ab.
49	((information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or
	understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or webpage\$ or
	video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
50	(PUBLICATIONS/ or PAMPHLETS/ or POSTERS AS TOPIC/) and (patient\$ or famil\$ or parent? or parental or father\$ or
	mother\$ or caregiver\$ or carer?).ti,ab.
51	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (pamphlet\$ or leaflet\$ or
	booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
52	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or
02	learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or
	misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti.
53	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or
	learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or
54	misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ab. /freq=3 ((information\$ or educat\$) adj3 (model\$ or program\$ or need\$ or requirement\$ or support\$ or seek\$ or access\$ or
54	disseminat\$)).ti,ab.
55	((volunt\$ or peer? or group\$) adj3 support\$).ti,ab.

#	Searches
56	((online or on-line) adj3 forum?).ti,ab.
57	INTERNET/
58	SELF-HELP GROUPS/
59	group meeting?.ti,ab,kw.
60	or/43-59
61	42 and 60

#### 2E.14.10 Cochrane Database of Systematic Reviews (CDSR)

Coc	hrane Database of Systematic Reviews (CDSR)
#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
5	PEDIATRICS.kw.
6	p?ediatric\$.ti.ab.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	0r/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
27	, , , , , , , , , , , , , , , , , , , ,
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$
	or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
35	or/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
40	or/36-39
41	13 or 23 or 35 or 40
42	HEALTH EDUCATION.kw.
43	CONSUMER HEALTH INFORMATION.kw.
44	PATIENT EDUCATION AS TOPIC.kw.
45	((verbal\$ or written or group? or individual\$) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or
70	advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or

#	Searches
	support\$ or counsel\$)).ti,ab.
46	((information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
47	(PUBLICATIONS or PAMPHLETS or POSTERS).kw. and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti,ab.
48	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or webpage\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
49	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti.
50	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ab. /freq=3
51	((information\$ or educat\$) adj3 (model\$ or program\$ or need\$ or requirement\$ or support\$ or seek\$ or access\$ or disseminat\$)).ti,ab.
52	((volunt\$ or peer? or group\$) adj3 support\$).ti,ab.
53	((online or on-line) adj3 forum?).ti,ab.
54	INTERNET.kw.
55	SELF-HELP GROUPS.kw.
56	group meeting?.ti,ab.
57	or/42-56
58	41 and 57

# 2E.14.11 Database of Abstracts of Reviews of Effects (DARE)

#	Searches
1	CHILD, PRESCHOOL.kw.
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw,tx.
3	INFANT.kw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw,tx.
5	PEDIATRICS.kw.
6	p?ediatric\$.tw,tx.
7	or/1-6
8	FAILURE TO THRIVE.kw.
9	(fail\$ adj2 thriv\$).tw,tx.
10	FTT.tw,tx.
11	(falter\$ adj3 (weight or grow\$)),tw,tx.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS.kw.
15	BODY WEIGHT CHANGES.kw.
16	BODY WEIGHT MAINTENANCE.kw.
17	IDEAL BODY WEIGHT.kw.
18	WASTING SYNDROME.kw.
19	THINNESS.kw.
20	EMACIATION.kw.
21	ANOREXIA.kw.
22	or/14-21
23	7 and 22
24	CHILD NUTRITION DISORDERS.kw.
25	INFANT NUTRITION DISORDERS.kw.
26	"FEEDING AND EATING DISORDERS OF CHILDHOOD".kw.
27	((CHILD, PRESCHOOL or INFANT) and MALNUTRITION).kw.
28	((CHILD, PRESCHOOL or INFANT) and GROWTH DISORDERS).kw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw,tx.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or
	thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw,tx.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
00	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw,tx.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or newborn\$ or baby or babies or pre#mie? or
22	premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw,tx.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw,tx.

#	Searches
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw,tx.
35	or/24-34
36	(INFANT and (HYPERNATREMIA or DEHYDRATION)).kw.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw,tx.
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "14.\$" or "16.\$" or "15.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw,tx.
40	or/36-39
41	13 or 23 or 35 or 40
42	HEALTH EDUCATION.kw.
43	CONSUMER HEALTH INFORMATION.kw.
44	PATIENT EDUCATION AS TOPIC.kw.
45	((verbal\$ or written or group? or individual\$) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti,tw.
46	((information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or webpage\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,tw.
47	(PUBLICATIONS or PAMPHLETS or POSTERS).kw. and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti,tw.
48	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,tw.
49	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti,tw.
50	((information\$ or educat\$) adj3 (model\$ or program\$ or need\$ or requirement\$ or support\$ or seek\$ or access\$ or disseminat\$)).ti,tw.
51	((volunt\$ or peer? or group\$) adj3 support\$).ti,tw.
52	((online or on-line) adj3 forum?).ti,tw.
53	INTERNET.kw.
54	SELF-HELP GROUPS.kw.
55	group meeting?.ti,tw.
56	or/42-55
57	41 and 56

# 2E.14.12 Health Technology Assessment (HTA)

	Assessment (TTA)
#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
5	exp PEDIATRICS/
6	p?ediatric\$.tw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).tw.
10	FTT.tw.
11	(falter\$ adj3 (weight or grow\$)).tw.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23

	Ol
#	Searches *CUIL D NUTTRITION DISCORDEDS/
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
41	or/37-40
42	13 or 24 or 36 or 41
43	HEALTH EDUCATION/
44	exp CONSUMER HEALTH INFORMATION/
45	PATIENT EDUCATION AS TOPIC/
46	((verbal\$ or written or group? or individual\$) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).tw.
47	((information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web page\$ or webpage\$ or video\$ or dvd\$ or online or internet or app? or application?)).tw.
48	(PUBLICATIONS/ or PAMPHLETS/ or POSTERS AS TOPIC/) and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or career?).tw.
49	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or webpage\$ or video\$ or dvd\$ or online or internet or app? or application?)).tw.
50	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).tw.
51	((information\$ or educat\$) adj3 (model\$ or program\$ or need\$ or requirement\$ or support\$ or seek\$ or access\$ or disseminat\$)).tw.
52	((volunt\$ or peer? or group\$) adj3 support\$).tw.
53	((online or on-line) adj3 forum?).tw.
54	INTERNET/
55	SELF-HELP GROUPS/
56	group meeting?.tw.
57	or/43-56
58	42 and 57

## 2**E.14.13** Embase

#	Searches	
1	SYSTEMATIC REVIEW/	
2	META-ANALYSIS/	
3	(meta analy* or metanaly* or metaanaly*).ti,ab.	
4	((systematic or evidence) adj2 (review* or overview*)).ti,ab.	
5	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.	
6	(search strategy or search criteria or systematic search or study selection or data extraction).ab.	
7	(search* adj4 literature).ab.	
8	(medline or pubmed or cochrane or embase or psychlit or psychinfo or psychinfo or cinahl or science citation	

щ	Convolue
#	Searches index or bids or cancerlit).ab.
9	((pool* or combined) adj2 (data or trials or studies or results)).ab.
10	cochrane.jw.
11	or/1-10
12	random*.ti,ab.
13	factorial*.ti,ab.
14	(crossover* or cross over*).ti,ab.
15	((doubl* or singl*) adj blind*).ti,ab.
16	(assign* or allocat* or volunteer* or placebo*).ti,ab.
17	CROSSOVER PROCEDURE/
18	SINGLE BLIND PROCEDURE/
19 20	RANDOMIZED CONTROLLED TRIAL/ DOUBLE BLIND PROCEDURE/
21	or/12-20
22	or/11,21
23	PRESCHOOL CHILD/ or TODDLER/
24	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
25	exp INFANT/
26	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
27	exp PEDIATRICS/
28	p?ediatric\$.ti,ab.
29	or/23-28
30 31	FAILURE TO THRIVE/ (fail\$ adj2 thriv\$).ti,ab.
32	FTT.ti,ab.
33	(falter\$ adj3 (weight or grow\$)).ti,ab.
34	or/30-33
35	29 and 34
36	*WEIGHT REDUCTION/
37	WEIGHT CHANGE/
38	WEIGHT FLUCTUATION/
39	WEIGHT VARIATION/
40 41	WASTING SYNDROME/ EMACIATION/
42	*ANOREXIA/
43	or/36-42
44	29 and 43
45	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *NUTRITIONAL DISORDER/
46	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *EATING DISORDER/
47	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *MALNUTRITION/
48	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *GROWTH DISORDER/
49	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
50	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
51	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
52	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
53	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
54	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
55	or/45-54
56	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
57 58	NEONATAL WEIGHT LOSS/  ((inter® or promise or promise or promise or promise) adid ((hyperpotr® or
	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
59	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
60	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "15.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
61	or/56-60
62	35 or 44 or 55 or 61
63	*HEALTH EDUCATION/ or PARENTING EDUCATION/
64 65	CONSUMER HEALTH INFORMATION/ PATIENT EDUCATION/
65	FATILITI EDUCATION

#	Searches
66	((verbal\$ or written or group? or individual\$) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti,ab.
67	((information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
68	PUBLICATION/ and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti,ab.
69	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
70	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti.
71	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ab. /freq=3
72	((information\$ or educat\$) adj3 (model\$ or program\$ or need\$ or requirement\$ or support\$ or seek\$ or access\$ or disseminat\$)).ti,ab.
73	((volunt\$ or peer? or group\$) adj3 support\$).ti,ab.
74	((online or on-line) adj3 forum?).ti,ab.
75	INTERNET/
76	SELF HELP/
77	group meeting?.ti,ab.
78	or/63-77
79	62 and 78
80	limit 79 to english language
81 82	letter.pt. or LETTER/ note.pt.
83	editorial.pt.
84	CASE REPORT/ or CASE STUDY/
85	(letter or comment*).ti.
86	or/81-85
87	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
88	86 not 87
89	ANIMAL/ not HUMAN/
90	NONHUMAN/
91	exp ANIMAL EXPERIMENT/
92	exp EXPERIMENTAL ANIMAL/
93	ANIMAL MODEL/
94	exp RODENT/
95	(rat or rats or mouse or mice).ti.
96	or/88-95
97	80 not 96
98	22 and 97

#### 1

#### 2E.14.14 PsycInfo

#	Searches
1	("120" or "140" or "160").ag.
2	PRESCHOOL STUDENTS/
3	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,hw,id,jw.
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,hw,id,jw.
5	exp PEDIATRICS/
6	p?ediatric\$.ti,ab,hw,id,jw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).ti,ab.
10	FTT.ti,ab.
11	(falter\$ adj3 (weight or grow\$)).ti,ab.
12	or/8-11
13	7 and 12
14	WEIGHT LOSS/
15	UNDERWEIGHT/
16	CACHEXIA/
17	ANOREXIA NERVOSA/
18	or/14-17
19	7 and 18
20	EATING DISORDER/

<b>#</b> 21	Searches FEEDING DISORDER/
22	NUTRITIONAL DEFICIENCIES/
23	or/20-22
24	7 and 23
25	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
26	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
27	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
28	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
31	or/25-30
32 33	("120" or "140").ag. exp DEHYDRATION/
34	32 and 33
35	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
36	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
37	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
38	or/35-37
39	13 or 19 or 24 or 31 or 34 or 38
40	HEALTH EDUCATION/
41	CLIENT EDUCATION/
42	VERBAL COMMUNICATION/ and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti,ab.
43	((verbal\$ or written or group? or individual\$) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti,ab.
44	((information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruction\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or webpage\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
45	WRITTEN COMMUNICATION/ and (patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?).ti,ab.
46	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (pamphlet\$ or leaflet\$ or booklet\$ or manual\$ or brochure\$ or publication\$ or handout\$ or website\$ or web site\$ or web page\$ or webpage\$ or video\$ or dvd\$ or online or internet or app? or application?)).ti,ab.
47	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ti.
48	((patient\$ or famil\$ or parent? or parental or father\$ or mother\$ or caregiver\$ or carer?) adj3 (information\$ or educat\$ or learn\$ or train\$ or program\$ or advi?e\$ or advis\$ or instruct\$ or teach\$ or knowledge or understanding or misunderstanding or communicat\$ or involvement or support\$ or counsel\$)).ab. /freq=3
49	((information\$ or educat\$) adj3 (model\$ or program\$ or need\$ or requirement\$ or support\$ or seek\$ or access\$ or disseminat\$)).ti,ab.
50	((volunt\$ or peer? or group\$) adj3 support\$).ti,ab.
51	((online or on-line) adj3 forum?).ti,ab.
52	ONLINE COMMUNITY/ or ONLINE SOCIAL NETWORKS/
53	SUPPORT GROUPS/
54 55	group meeting?.ti,ab. or/40-54
56	39 and 55
57	limit 56 to english language
58	control:.tw.
59	effectiveness.tw.
60	risk:.tw.
61	or/58-60
62	double-blind.tw.
63 64	random: assigned.tw. control.tw.
65	or/62-64
00	0.702 01

1

#	Searches
66	57 and 61
67	57 and 65
68	or/66-67

## 2 E.15 Health economics global search

#### 3 E.15.1 Medline and Medline In-Process & Other Non-Indexed Citations

	lline and Medline in-Process & Other Non-Indexed Citations
#	Searches
1	ECONOMICS/
2	VALUE OF LIFE/
3	exp "COSTS AND COST ANALYSIS"/
4	exp ECONOMICS, HOSPITAL/
5	exp ECONOMICS, MEDICAL/
6	exp RESOURCE ALLOCATION/
7	ECONOMICS, NURSING/
8	ECONOMICS, PHARMACEUTICAL/
9	exp "FEES AND CHARGES"/
10	exp BUDGETS/
	•
11	budget*.ti,ab.
12	cost*.ti,ab.
13	(economic* or pharmaco?economic*).ti,ab.
14	(price* or pricing*).ti,ab.
15	(financ* or fee or fees or expenditure* or saving*).ti,ab.
16	(value adj2 (money or monetary)).ti,ab.
17	resourc* allocat*.ti,ab.
18	(fund or funds or funding* or funded).ti,ab.
19	(ration or rations or rationing* or rationed).ti,ab.
20	ec.fs.
21	or/1-20
22	CHILD, PRESCHOOL/
23	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
24	exp INFANT/
25	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
26	exp PEDIATRICS/
27	p?ediatric\$.ti,ab.
28	0r/22-27
29	FAILURE TO THRIVE/
30	(fail\$ adj2 thriv\$).ti,ab.
31	FTT.ti,ab.
32	(falter\$ adj3 (weight or grow\$)).ti,ab.
33	or/29-32
34	28 and 33
35	*WEIGHT LOSS/
36	WEIGHT LOSS/ph [Physiology]
37	BODY WEIGHT CHANGES/
38	BODY WEIGHT MAINTENANCE/
39	IDEAL BODY WEIGHT/
40	WASTING SYNDROME/
41	*THINNESS/
42	EMACIATION/
43	ANOREXIA/
44	or/35-43
45	28 and 44
46	*CHILD NUTRITION DISORDERS/
47	*INFANT NUTRITION DISORDERS/
48	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
49	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
50	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
51	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
52	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
53	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.

#	Searches
54	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
55	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
56	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
57	or/46-56
58	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
59	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
60	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
61	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
62	or/58-61
63	34 or 45 or 57 or 62
64	limit 63 to english language
65	LETTER/
66	EDITORIAL/
67	NEWS/
68	exp HISTORICAL ARTICLE/
69	ANECDOTES AS TOPIC/
70	COMMENT/
71	CASE REPORT/
72	(letter or comment*).ti.
73	or/65-72
74	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
75	73 not 74
76	ANIMALS/ not HUMANS/
77	exp ANIMALS, LABORATORY/
78	exp ANIMAL EXPERIMENTATION/
79	exp MODELS, ANIMAL/
80	exp RODENTIA/
81	(rat or rats or mouse or mice).ti.
82	or/75-81
83	64 not 82
84	21 and 83

### 2 E.15.2 Cochrane Central Register of Controlled Trials (CCTR)

#	Searches
1	ECONOMICS/
2	VALUE OF LIFE/
3	exp "COSTS AND COST ANALYSIS"/
4	exp ECONOMICS, HOSPITAL/
5	exp ECONOMICS, MEDICAL/
6	exp RESOURCE ALLOCATION/
7	ECONOMICS, NURSING/
8	ECONOMICS, PHARMACEUTICAL/
9	exp "FEES AND CHARGES"/
10	exp BUDGETS/
11	budget*.ti,ab,kw.
12	cost*.ti,ab,kw.
13	(economic* or pharmaco?economic*).ti,ab,kw.
14	(price* or pricing*).ti,ab,kw.
15	(financ* or fee or fees or expenditure* or saving*).ti,ab,kw.
16	(value adj2 (money or monetary)).ti,ab,kw.
17	resourc* allocat*.ti,ab,kw.
18	(fund or funds or funding* or funded).ti,ab,kw.
19	(ration or rations or rationing* or rationed).ti,ab,kw.
20	ec.fs.
21	or/1-20
22	CHILD, PRESCHOOL/
23	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab,kw.
24	exp INFANT/
25	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab,kw.
26	exp PEDIATRICS/

#	Searches
27	p?ediatric\$.ti,ab,kw.
28	or/22-27
29	FAILURE TO THRIVE/
30	(fail\$ adj2 thriv\$).ti,ab.
31	FTT.ti,ab.
32	(falter\$ adj3 (weight or grow\$)).ti,ab.
33	or/29-32
34	28 and 33
-	
35	*WEIGHT LOSS/
36	WEIGHT LOSS/ph [Physiology]
37	BODY WEIGHT CHANGES/
38	BODY WEIGHT MAINTENANCE/
39	IDEAL BODY WEIGHT/
40	WASTING SYNDROME/
41	*THINNESS/
42	EMACIATION/
43	ANOREXIA/
44	or/35-43
45	28 and 44
46	*CHILD NUTRITION DISORDERS/
47	*INFANT NUTRITION DISORDERS/
48	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
49	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
50	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
51	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
50	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
52	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adi5 (undernutrition\$ or poor nutrition\$ or undernourish\$ or underweight? or ((feed\$ or eat\$ or
	nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or
	stunted)).ti,ab.
53	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
33	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
54	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
54	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
55	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
00	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
56	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
57	0r/46-56
58	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
59	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or
	dehyrat\$)).ti,ab.
60	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
	physiolog\$))).ti,ab.
61	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$"
	or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
62	or/58-61
63	34 or 45 or 57 or 62
64	21 and 63

2 E.15.3 Health Technology Assessment (HTA)

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
5	exp PEDIATRICS/
6	p?ediatric\$.tw.
7	or/1-6
8	FAILURE TO THRIVE/
9	(fail\$ adj2 thriv\$).tw.
10	FTT.tw.
11	(falter\$ adj3 (weight or grow\$)).tw.
12	or/8-11
13	7 and 12
14	*WEIGHT LOSS/

#	Searches
15	WEIGHT LOSS/ph [Physiology]
16	BODY WEIGHT CHANGES/
17	BODY WEIGHT MAINTENANCE/
18	IDEAL BODY WEIGHT/
19	WASTING SYNDROME/
20	*THINNESS/
21	EMACIATION/
22	ANOREXIA/
23	or/14-22
24	7 and 23
25	*CHILD NUTRITION DISORDERS/
26	*INFANT NUTRITION DISORDERS/
27	"FEEDING AND EATING DISORDERS OF CHILDHOOD"/
28	(CHILD, PRESCHOOL/ or exp INFANT/) and *MALNUTRITION/
29	(CHILD, PRESCHOOL/ or exp INFANT/) and *GROWTH DISORDERS/
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
31	premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or
	under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$
	or emaciat\$ or anorexi\$ or stunting or stunted)).tw.
32	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
33	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw.
34	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw.
35	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw.
36	or/25-35
37	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
38	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw.
39	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or
	physiolog\$))).tw.
40	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or
	"13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
41	or/37-40
42	13 or 24 or 36 or 41

2 E.15.4 NHS Economic Evaluation Database (NHSEED)

#	Searches
1	CHILD, PRESCHOOL/
2	(child\$ or preschool\$ or pre-school\$ or toddler\$).tw.
3	exp INFANT/
4	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).tw.
5	exp PEDIATRICS/
6	p?ediatric\$.tw.
7	or/1-6
8	(fail\$ adj2 thriv\$).tw.
9	FTT.tw.
10	(falter\$ adj3 (weight or grow\$)).tw.
11	or/8-10
12	7 and 11
13	WEIGHT LOSS/
14	BODY WEIGHT CHANGES/
15	WASTING SYNDROME/
16	THINNESS/
17	EMACIATION/
18	CACHEXIA/
19	ANOREXIA NERVOSA/
20	or/13-19
21	7 and 20
22	CHILD NUTRITION DISORDERS/
23	INFANT NUTRITION DISORDERS/
24	(CHILD, PRESCHOOL/ or exp INFANT/) and MALNUTRITION/

#	Searches
25	(CHILD, PRESCHOOL/ or exp INFANT/) and GROWTH DISORDERS/
_	
26	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).tw.
27	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).tw.
28	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).tw.
29	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj2 (malnutrition\$ or malnourish\$)).tw.
30	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).tw.
31	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).tw.
32	or/22-31
33	exp INFANT/ and DEHYDRATION/
34	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).tw.
35	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
36	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "19.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).tw.
37	or/33-36
38	12 or 21 or 32 or 37

### 2 E.15.5 Embase

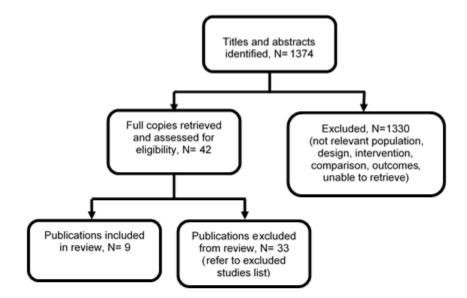
	Jase Table 1
#	Searches
1	*HEALTH ECONOMICS/
2	exp *ECONOMIC EVALUATION/
3	exp *HEALTH CARE COST/
4	exp *FEE/
5	*BUDGET/
6	*FUNDING/
7	*RESOURCE ALLOCATION/
8	budget*.ti,ab.
9	cost*.ti,ab.
10	(economic* or pharmaco?economic*).ti,ab.
11	(price* or pricing*).ti,ab.
12	(financ* or fee or fees or expenditure* or saving*).ti,ab.
13	(value adj2 (money or monetary)).ti,ab.
14	resourc* allocat*.ti,ab.
15	(fund or funds or funding* or funded).ti,ab.
16	(ration or rations or rationing* or rationed).ti,ab.
17	or/1-16
18	PRESCHOOL CHILD/ or TODDLER/
19	(child\$ or preschool\$ or pre-school\$ or toddler\$).ti,ab.
20	exp INFANT/
21	(infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies).ti,ab.
22	exp PEDIATRICS/
23	p?ediatric\$.ti,ab.
24	or/18-23
25	FAILURE TO THRIVE/
26	(fail\$ adj2 thriv\$).ti,ab.
27	FTT.ti,ab.
28	(falter\$ adj3 (weight or grow\$)).ti,ab.
29	or/25-28
30	24 and 29
31	*WEIGHT REDUCTION/
32	WEIGHT CHANGE/
33	WEIGHT FLUCTUATION/
34	WEIGHT VARIATION/
35	WASTING SYNDROME/
36	EMACIATION/
37	*ANOREXIA/
38	or/31-37

#	Searches
39	24 and 38
40	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *NUTRITIONAL DISORDER/
41	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *EATING DISORDER/
42	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *MALNUTRITION/
43	(PRESCHOOL CHILD/ or TODDLER/ or exp INFANT/) and *GROWTH DISORDER/
44	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj7 (Weight adj3 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$))).ti,ab.
45	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj5 (undernutrition\$ or under nutrition\$ or poor nutrition\$ or undernourish\$ or under nourish\$ or under weight? or underweight? or ((feed\$ or eat\$ or nutrition\$) adj1 (disorder\$ or problem\$)) or wasting or thin or thinn\$ or emaciat\$ or anorexi\$ or stunting or stunted)).ti,ab.
46	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 ((Slow\$ or insufficient\$) adj2 weight adj2 gain\$)).ti,ab.
47	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or
	premie or premies) adj2 (malnutrition\$ or malnourish\$)).ti,ab.
48	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (grow\$ adj1 (disorder or deficien\$ or poor\$ or fail\$))).ti,ab.
49	((child\$ or preschool\$ or pre-school\$ or toddler\$ or infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj7 (height? adj3 (poor\$ or deficien\$ or short\$ or small\$ or retard\$))).ti,ab.
50	or/40-49
51	exp INFANT/ and (HYPERNATREMIA/ or *DEHYDRATION/)
52	NEONATAL WEIGHT LOSS/
53	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (hypernatr\$ or dehyrat\$)).ti,ab.
54	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 (early or postnatal\$ or
	postpartum or follow\$ birth?) adj10 ((weight or fluid?) adj2 (loss or lose or losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
55	((infan\$ or neonat\$ or newborn\$ or baby or babies or pre#mie? or premie or premies) adj10 ("10.\$" or "11.\$" or "12.\$" or "13.\$" or "14.\$" or "15.\$" or "16.\$" or "17.\$" or "18.\$" or "20.\$") adj10 ((weight or fluid?) adj3 (loss or lose or
	losing or reduc\$ or decreas\$ or deficien\$ or physiolog\$))).ti,ab.
56	or/51-55
57	30 or 39 or 50 or 56
58	limit 57 to english language
59	letter.pt. or LETTER/
60	note.pt.
61	editorial.pt.
62	CASE REPORT/ or CASE STUDY/
63	(letter or comment*).ti.
64	or/59-63
65	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
66	64 not 65
67	ANIMAL/ not HUMAN/
68	NONHUMAN/
69	exp ANIMAL EXPERIMENT/
70	exp EXPERIMENTAL ANIMAL/
71	ANIMAL MODEL/
72	exp RODENT/
73	(rat or rats or mouse or mice).ti.
74	or/66-73
75	58 not 74
76	17 and 75

# Appendix F: Summary of identified studies

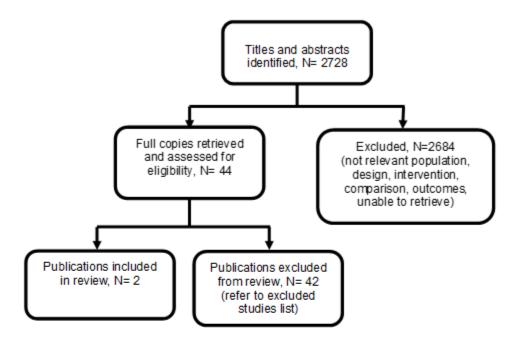
### 2 F.1 Weight loss in the first days of life

#### Figure 1: Flow diagram of clinical article selection for normal limits of weight loss



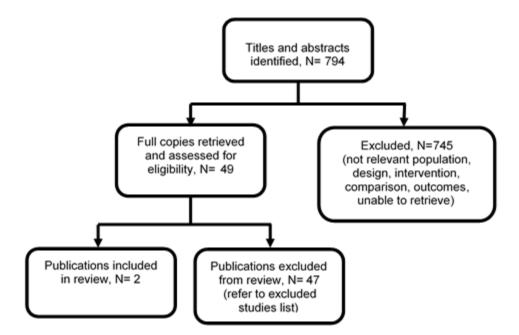
## 1 F.2 Thresholds for faltering growth

#### 2 Figure 2: Flow diagram of clinical article selection for thresholds review



### F.3 Weight loss associated with adverse outcomes

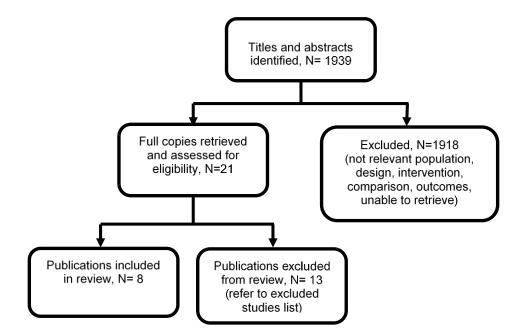
Figure 3: Flow diagram of clinical article selection for weight loss associated with adverse outcomes review



1

## F.4 Differences in feeding and eating

## Figure 4: Flow diagram of clinical article selection for differences in feeding and eating review

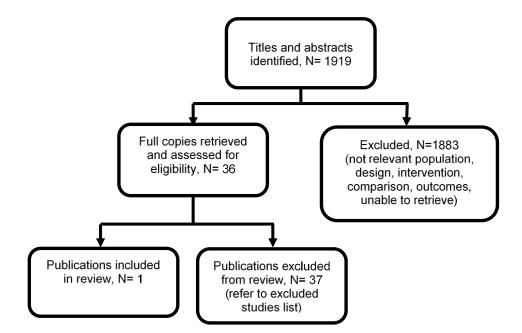


1

2

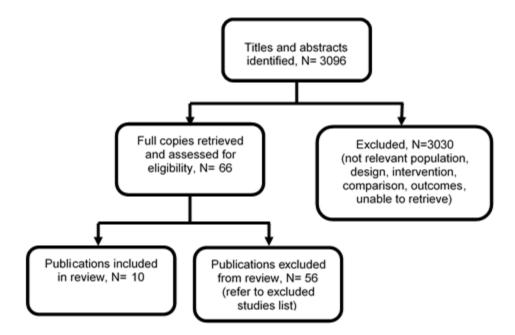
### 1 F.5 Approaches in assessing feeding and eating

# Figure 5: Flow diagram of clinical article selection for approaches in feeding and eating review



### 1 F.6 Risk factors

#### 2 Figure 6: Flow diagram of clinical article selection for risk factors review



1

2

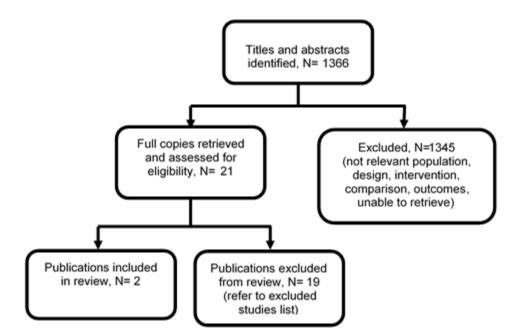
4 5

6

7

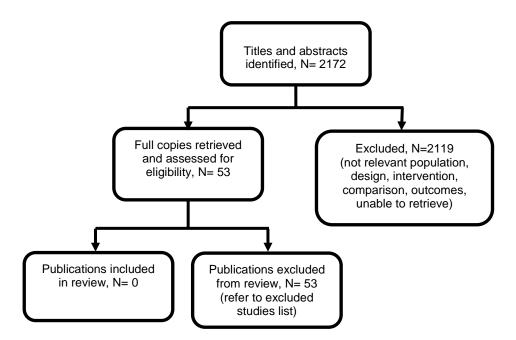
## F.7 Prevalence of specific causative organic disorders

# Figure 7: Flow diagram of clinical article selection for prevalence of specific causative organic disorders review



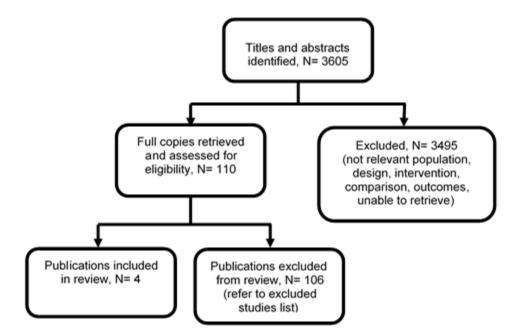
## 1 F.8 Breastfeeding support

#### 2 Figure 8: Flow diagram of clinical article selection for breastfeeding support review



### F.9 Dietary advice and supplementation

# Figure 9: Flow diagram of clinical article selection for dietary advice and supplementation review



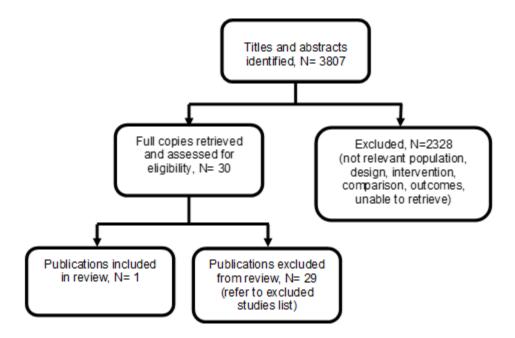
1

2

3

#### F.10 Non-nutritional interventions

## Figure 10: Flow diagram of clinical article selection for non-nutritional interventions review



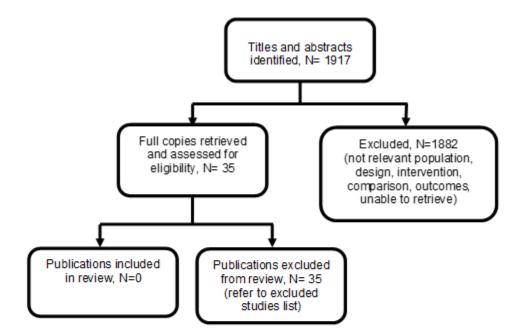
## F.11 Monitoring

4 5

7

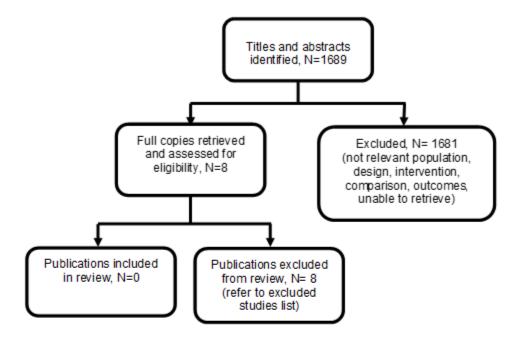
8

Figure 11: Flow diagram of clinical article selection for monitoring review



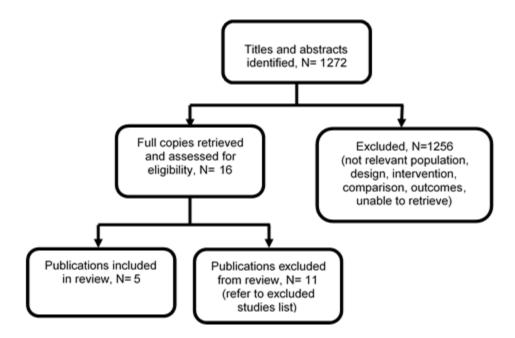
### 1 F.12 Referral

#### 2 Figure 12: Flow diagram of clinical article selection for referral review



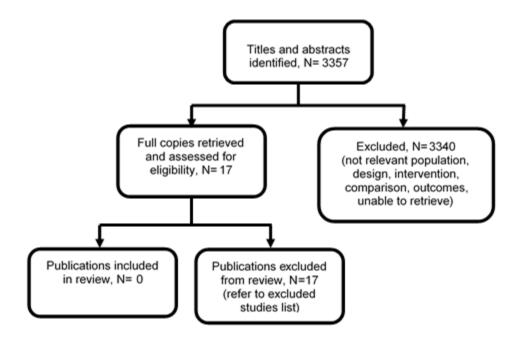
### 1 F.13 Organisation of care

#### 2 Figure 13: Flow diagram of clinical article selection for service configuration review



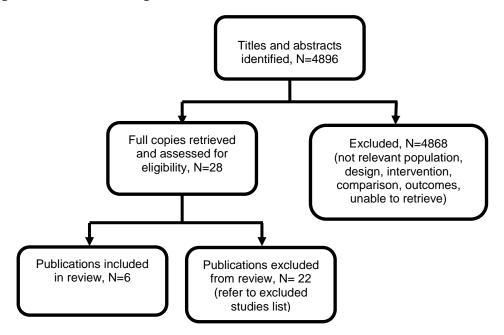
### 1 F.14 Information and support

#### 2 Figure 14: Flow diagram of clinical article selection for information and support



### 1 F.15 Health economics

#### 2 Figure 15: Flow diagram of clinical article selection for health economics



# **Appendix G: Evidence tables**

## G.12 Weight loss in the first days of life

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results					Reviewer comment
Authors	Cohort population	Reference Test	Raw Data	Results					Funding
Bertini, G., Breschi, R.,	1760 healthy, full- term, singleton babies	n/a	n/a	Characteristics of different examinations	of study popu ation ages	lation and pe	ercentage of we	ight loss at	Not reported
Dani, C.	born by vaginal		Summary		All	Male	Female	p-value	Quality Items
Year of publication	delivery between April 2007 and December 2012. Just under two-		<b>Data</b> n/a	Number of infants	1760	858	902		Critical appraisal using Munn et al
2015	thirds (64.7%) of the mothers were primiparous and were			Birthweight, g (mean ± SD)	3379.16 ± 347.11	3438 ± 342.66	3322.99 ± 342.08	0.47	2014: 1. Was the sample
Country of publication	breastfeeding infants for the first time and 86% if the multiparous mothers			Weight loss after 12 h (mean ± SD)	39.62 ± 1.24	39.59 ± 1.37	39.66 ± 1.10	0.98	representative of the target population? Yes
Ref Id	had prior breastfeeding experience.			Weight loss after 24 h (mean ± SD)	2.81 ± 1.25	2.62 ± 1.16	2.95 ± 1.32	0.99	2. Were study participants recruited in an
431546  Consecutive recruitment	Inclusion Criteria			Weight loss after 36 h (mean ± SD)	5.52 ± 1.44	5.50 ± 1.45	5.54 v 1.42	0.26	appropriate way? Yes (the study included all
Yes	Not reported  Exclusion Criteria			Weight loss after 48 h (mean ± SD)	5.71 ± 1.89	5.77 ± 1.91	5.67 ± 1.86	0.21	the participants who were born in the Center between Apr 2007 and Dec 2012
Sub-type Retrospective cohort study	Pre-term and post- term deliveries, membrane rupture			Weight loss after 60 h (mean ± SD)	5.35 ± 2.08	5.47 ± 2.09	5.23 ± 2.07	0.38	who met the inclusion criteria)  3. Was the
	occurring more than 18h before the onset of labour dystocia.			Weight loss after 72 h	5 ± 2.21	5 ± 2.25	5.18 ± 2.18	0.17	sample size adequate? Yes

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results								Reviewer comment
	Characteristics  Babies with asphyxia, respiratory distress and congenital malformations were equally excluded.  Demographics - Total 1760  Cases n/a Statistical method Descriptive statistics Controls n/a Diagnostic criteria The weights in this study were obtained using SECA 335 weighing scale (Hamburg, Germany) that is accurate to 10g.			(mean	of infants vectord  Feeding  breast-	N	Numb   712/1'   1400/   609/1'   1342/   819/1'   652/1'   Follow   up   (hrs)	760 (40.4) 1760 (79.5) 760 (34.6) 1760 (76.2) 760 (46.5) 760 (37)	ords (%)	centile	97.5th centile	(>1000 participants)  4. Were the study subjects and the setting described in detail? Method of delivery (vaginal), int ake (exclusively breastfed), and scale type and birth weight was reported. Setting was described (Hospital).  5. Was the data analysis conducted with sufficient coverage of the identified sample? N/A  6. Were objective, standard criteria used for the measurement of the condition? Yes. Scale type was
				vagilla	ехс			<u>[(±11.61)</u>	(=1.70)	0.0		reported, but whether the scale was calibrated has not been reported; standard procedure carried out in the Hospital has not been reported.  7. Was the condition measured reliably? Unclear.

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results	Reviewer comment
					How the infants were weighed and documentation of latch and positioning as well as number of breastfeeds were not reported. Weight loss was not defined.
					8. Was there appropriate statistical analysis? Unclear - Whether incorrect weights were deleted has not been reported; confidence intervals not provided.
					9. Are all important confounding factors/subgroups/differences identified and accounted for? N/A (confounding factors have not been specified in the protocol)
					10. Were subpopulations identified using objective criteria? N/A (subpopulations have not been reported)

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results								Reviewer comment Overall quality:
Authors	Cohort population	Reference Test	Raw Data	Results		moderate Funding						
Davanzo, R., Cannioto, Z., Ronfani, L., Monasta, L.,	1003 infants consecutively admitted to the regular for Material	n/a	Summary Data	Birth type	Feeding	N	Follow up (hrs)	Nad ir	Mean max. weight loss (%)	95th centil e	97.5th centile	The authors received no financial support for the research,
Demarini, S.  Year of publication	Institute for Maternal and Child Health "Burlo Garofolo" (Trieste, Italy). 20.7%			any	formula	33 6	Median 72 [IQR 48 - 96]	NR	7.5 (±2.4)	11.6	12.2	authorship, or publication of this study.
2013  Country of	delivered by Caesarean section. 60.1% exclusively breast-fed			any	breast- exc, breast- part	66 7	Median 72 [IQR 48 - 96]	NR	6.3 (±2)	9.5	10.2	Quality Items  Critical appraisal using Munn et al
<b>publication</b> Italy	Inclusion Criteria Healthy term infants			vaginal	any	79 5	Median 72 [IQR 48 – 72]	NR	6.4 (±2.1)	9.8	10.5	2014:  1. Was the sample representative of the
<b>Ref Id</b> 458248	Exclusion Criteria			Caesare an	any	20 8	Median 108 [IQR 96 to 144]	NR	7.6 (±2.2)	11.2	11.9	target population? Yes
Consecutive recruitment Yes	Not reported  Demographics Total 1003											<ol> <li>Were study participants recruited in an appropriate way? Yes</li> </ol>
Sub-type  Retrospective cohort study	Cases n/a											3. Was the sample size adequate? Yes (>1000 participants)
	Statistical method  Continuous data were reported as means and standard deviations if normally distributed (according											4. Were the study subjects and the setting described in detail? Intake (exclusively breastfed, mixed

	Number of	Test/			
	Participant &	Outcome	Outcome		
Bibliographic	Participant	characteri	measures to		
details	Characteristics	stics	be used	Results	Reviewer comment
uctans	to the skewness and kurtosis joint test) or as medians and interquartile ranges if not distributed normally. Weight loss was analysed as both a continuous and a dichotomous variable (≥ 8% or < 8%). Bivariate relations were evaluated by the t test, Mann-Whitney nonparametric test, or $\chi$ 2 test, depending on the nature of the variables. Multivariate logistic regression was used to study the association between weight loss ≥ 8% (outcome) and all covariates. Controls  Diagnostic criteria  Every day between 8-10am, all infants were weighed naked, with an electronic scale, by a nurse, regardless of the feeding pattern.	SHUS	pe useu	Results	feeding and formula feeding), birth weight was reported and birth type  5. Was the data analysis conducted with sufficient coverage of the identified sample? Yes  6. Were objective, standard criteria used for the measurement of the condition? Yes  7. Was the condition measured reliably? Unclear-electronic scale used, unclear whether it was calibrated.  8. Was there appropriate statistical analysis? Unclear-Whether incorrect weights were deleted has not been reported; confidence intervals not provided.  9. Are all important confounding

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results		Reviewer comment
						factors/subgroups/di fferences identified and accounted for? N/A (confounding factors have not been specified in the protocol)  10. Were subpopulations identified using objective criteria? Yes  Overall quality: moderate
Authors	Cohort population	Reference Test	Raw Data	Results		Funding
Flaherman, V. J., Bokser, S.,	1049 infants born between June 2007	n/a	Summary Data n/a	Infant characteristics for entire cohort	and infants with any breastfeeding	not reported
Newman, T. B.	and February 2008 at the University of				Entire cohort	Quality Items Critical appraisal
Year of	California, San			Birth weight (g)	3373 ± 469 (1049, 100%)	using Munn et al

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results					Reviewer comment
publication	Francisco who			gestational age (\	veeks)	39.5 ± 1	1.2 (395, 37.7%)	ı	2014:
2010	received level 1 care only. 853 (85.6%) were			Maximum docum hospital weight lo		6.0 ± 2.0	6 (1049,100%)		Was the sample representative of the
Country of	documented as			Infants losing 10	% birth weight	67 (6.4%	%)		target
publication	breastfeeding exclusively, 144								population? Yes
USA	(14.4%) were			Infant characteris	tics		997 breastfed		2. Were study
Ref Id	documented as mixed feeding, and 53 (5%)			Birth weight (g)			468 (997, 100%		participants recruited in an
Nor Id	were documented as			gestational age (\	•	39.6 ± 1	1.2 (380, 38.1%)		appropriate
466850	formula feeding only. Inclusion Criteria			Maximum docum hospital weight lo		6.2 ± 2.0	6% (997, 10%)		way? Yes
Consecutive recruitment	Not reported Exclusion Criteria			Infants losing 10 <sup>o</sup>	% birth weight	67 (6.7%	%)		<ol><li>Was the sample size</li></ol>
	Not reported								adequate? Yes
Sub-type	Demographics - Total 1049			Infant characteris		67 infants with ented 10% weigl		<ul><li>(&gt;1000 participants)</li><li>4. Were the study subjects and the</li></ul>	
Retrospective cohort study	Cases n/a			Birth weight (g)		3340 ±	487 (67, 100%)		subjects and the setting described in
concit clady	Statistical method			gestational age (v	veeks)	39.5 ± 1	.6 (35, 52.2%)		detail? Intake
	Chi-square analysis to assess whether			Maximum docum hospital weight lo		11.3 ± 2	11.3 ± 2.3% (67, 100%)		(exclusively breastfed, mixed
	weight loss at <24 hours was associated			Infants losing 10	% birth weight	NA			feeding and formula feeding), birth
	hospital ≥ 10% weight loss. Multivariate logistic regression was used to assess whether weight loss at < 24 hours was associated with inhospital weight loss ≥ 10% after adjusting	loss. Multivariate logistic regression was used to assess whether weight loss at < 24 hours was associated with in- hospital weight loss ≥ 10% after adjusting for clinical predictors and to assess whether 24-hour weight loss predicted		ORs for the effect of breastfed infants or infant age at predict delivery, in compari Weight loss ≥4% ≥4.5%	the outcome of the tor measureme	of eventual ventual vent after adjust swithout succession (in the content of the	veight loss ≥ 10 <sup>o</sup>	%, by d of 9)	weight was reported and birth type  5. Was the data analysis conducted with sufficient coverage of the identified sample?  Yes  6. Were objective,
	and to assess whether 24-hour weight loss predicted whether or not there			Birth type Feeding	IN HUD	(bre)	ean ax. eight	97.5th centile	standard criteria used for the measurement of the condition? Yes

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Resul	lts						Reviewer comment
	Participant & Participant Characteristics was a subsequent recorded weight, after adjusting for other clinical predictors. Because time of birth may have affected whether an infant is reweighed at <24 hours, sensitivity analysis were conducted in order to examine the above mentioned outcomes for weights measured at <30 hours and <36 hours. Controls n/a Diagnostic criteria Infant weight was measured by "usual clinical procedures" at the institution where the study has been carried out. Weights were usually taken between 9pm and midnight. Infants born	Outcome characteri	measures to	any	breast-exc breast-part	39	38.7 (±18.5)	6.2 (±2.6)	10.4	11.26	7. Was the condition measured reliably? Unclear-electronic scale used, unclear whether it was calibrated.  8. Was there appropriate statistical analysis? Unclear Whether incorrect weights were deleted has not been reported; confidence intervals not provided.  9. Are all important confounding factors/subgroups/differences identified and accounted for? N/A (confounding factors have not
	shortly before that time period were often not weighed until the following day according to clinical judgement. Weight change was defined as the difference between birth weight and weight recorded subsequently,										been specified in the protocol)  10. Were subpopulations identified using objective criteria? Yes  Overall quality: moderate

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results					Reviewer comment
	calculated as a percentage of birth weight. Maximum weight loss was defined as the largest negative weight change during the birth hospitalization. Weight nadir was defined as the lowest weight recorded during birth hospitalization. Data on weights subsequent to discharge from birth hospitalization was not available.								
Authors	Cohort population	Reference Test	Raw Data	Results					Quality Items
Flaherman, V. J., Kuzniewicz,	From the original cohort of 63096	n/a	Summary Data	Weight loss of	the cohort	<u>t</u>			Critical appraisal using Munn et al
M. W., Li, S., Walsh, E., McCulloch, C. E., Newman, T. B. Year of publication	infants, 59779 (94.7%) had a weight subsequent to birth weight measured in the first 36h after birth and were retained for further analysis. Of				Entire cohort (n=5977 9)	Exclusively breastfed during birth hospitalizatio n (n=25980)	during birth hospitalizatio	Breastfed infants with eventual weight loss of ≥10% (n=4580)	2014:  1. Was the sample representative of the target population? Yes
2013 Country of publication USA	these 59779 infants, 56375 (94.3%) had at least one additional weight documented			Weight loss at <24h (% of birth weight)	1.6 ±2.5	2 ± 2.9	1.9±2.7	3.2±3.8	2. Were study participants recruited in an appropriate
Ref Id 466851 Consecutive recruitment	between 36 and 120h of age. In total, there were 50063 infants with			Weight loss at <36h (% of birth weight)	2.8±2.9	3.3±3	3.4±2.8	5.1±3.8	way? Yes (the study included participants who were born at 11
Sub-type Retrospective	hospital feeding data.Of these, 25980			≥5% weight loss at <24h	4.5	5.3	5.5	16.5	Kaiser Permanente Northern California

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Result	ts							Reviewer comment
cohort study	(51.0%) were breastfed without			(% of infant	ts)							(KPNC) hospitals in 2009 and 2010)
	formula in-hospital, 21698 (43.3%) received breast milk and formula in- hospital and			≥5% v loss a (% of infant		7.5	20.9	2	1.5	42.3		3. Was the sample size adequate? Yes (>1000 participants)
	2376 (4.7%) received formula only inhospital			Exces weigh (≥10% birth weigh	t loss of	.1%	11.8%	9	.6%	n/a		4. Were the study subjects and the setting described in detail? Intake
	Inclusion Criteria					11	1	1	11			(breastfeeding), birth weight was
	Infants ≥36 weeks gestational age			Birth type	Feeding	N	Follow up (hrs)	Nadir (hrs)	weight	95th centile	97.5th centile	reported; however and documentation of latch and
	Exclusion Criteria				breast-		Mean		loss (%)			positioning as well as number of
	Not reported			any	exc	25980	38(±16.8)	NR	6.7 (±3.6)	12.5	13.8	breastfeeds were not reported.
	Demographics – Total			any	breast- part	47687	Mean 48(±24)	NR	6.3 (±3.5)	12.0	13.2	Method of delivery was used for
	59779											adjusting the predictors but was
	Cases											not reported in the text. Setting has been described
	n/a											(Hospital).
	Statistical method											5. Was the data
	Descriptive statistics											analysis conducted with sufficient coverage of the
	Controls Diagnostic criteria											identified sample? N/A
	Weight loss at <24 hours and at <36 hours were defined as the differences											6. Were objective, standard criteria used for the

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results	Reviewer comment
uctans	between birth weight and the lowest recorded weight prior to 24 and 36h, respectively, calculated as a percentage of birth weight. First-day weight loss was defined as weight loss occurring 24 hours after birth.		ne useu	Tresums	measurement of the condition? Unclear. Scale type has not been reported, standard procedure for weighing carried out in the Hospital has not been reported.  7. Was the condition measured reliably? Yes. Weight loss has been defined.  8. Was there appropriate statistical analysis? Unclear - Whether incorrect weights were deleted has not been reported; confidence intervals not provided.  9. Are all important confounding factors/subgroups/differences identified and accounted for? N/A (confounding factors have not been specified in the protocol)  10. Were
					been defined.  8. Was ther appropriate statistical analysis? Und Whether incorveights were deleted has not been reported confidence into provided.  9. Are all important confounding factors/subgrofferences iden and accounted N/A (confound factors have not been specified protocol)

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results							Reviewer comment
											identified using objective criteria? Yes (exclusively breastfed, breastfed at least once during birth hospitalization)  Overall quality: moderate
Authors	Cohort population	Reference Test	Raw Data	Results							Funding
Flaherman, V. J., Schaefer,	The original cohort presented with	rest	Summary Data	Summary of matched variables for censored newborns							Supported by the US Department of
E. W., Kuzniewicz, M.	161471 infants who were born at ≥36			Weight loss, points	, percentage	Vagin n (%)		7),   Ca  n (	esarean (n %)	=8414),	Health and Human Services, Health
W., Li, S. X., Walsh, E. M.,	weeks gestation at 1 of 14 Kaiser			<0.005		7373	(87.2)	59	98 (71.3)		Resources and Services
Paul, I. M.	Permanent Nothern California hospitals			0.05-0.20		651 (7	7.7)	14	45 (17.2)		Administration, Maternal and Child
Year of	betweeen January 1,			0.20-0.50		253 (3	<u>'</u>		6 (6.7)		Health Research
publication	2009 and December 31, 2013, who			0.50-1		146 (1			5 (3.5)		Program and from the National Institute
2015	survived to discharge			1-2		34 (0.	4)		1 (1.2)		of Child Health and
Country of	home and who did not receive Level II or			>2 0 9 (0.1)				Human Development.			
publication USA Ref Id	Level III care. 108907 were included in the final analysis, of whom 83433 (76.6%) were delivered			Birth type	Feeding	N	Follow up (hrs)	Nadir (hrs)		95th centile	Funded by the National Institutes of Health.  Quality Items
482773	vaginally and 25474 (23.4%) were			vaginal	breast- exc	83433	72	57	7.4	10.6	Critical appraisal
Consecutive recruitment	delivered by cesarean.			Caesarean	broact	25474	96	65	8.6	11.7	using Munn et al 2014:
Sub-type	Inclusion Criteria										1. Was the sample representative of the
Nested case-	Not reported										target

	Number of	Test/			
	Participant &	Outcome	Outcome		
Bibliographic	Participant	characteri	measures to		
details	Characteristics	stics	be used	Results	Reviewer comment
control study					population? Yes
	<b>Exclusion Criteria</b>				p op anomalia i a a
					<ol><li>Were study</li></ol>
	Newborns with				participants
	infectious disease or				recruited in an
	congenital				appropriate
	abnormalities				way? Yes (the
	requiring Level II or Level III care.				study included all
	Newborns with				the participants who were born in the
	implausible weight				Center between
	loss or weight gain				Jan 2009 and Dec
	values (>10% loss in				2013 who met the
	the first 24 hours,				inclusion criteria)
	>15% at any time				
	thereafter, gain >5%),				3. Was the
	infants whose weright				sample size
	was not obtained in the eligible period and				adequate? Yes (>1000 participants)
	before formula				(>1000 participants)
	feeding and infants				4. Were the study
	from multiple births.				subjects and the
					setting described in
	Demographics -				detail? Method of
	Total				delivery (vaginal), int
	161471				ake (exclusively breastfed), and birth
	101471				weight was
	Cases				reported. Setting
	0.000				was described
	n/a				(Hospital).
	Statistical method				5. Was the data
	n/o				analysis conducted
	n/a				with sufficient coverage of the
	Descriptive				identified sample?
	statistics				N/A
	Controls				
					6. Were objective,

	Number of Participant &	Test/ Outcome	Outcome		
Bibliographic	Participant	characteri	measures to		
details	Characteristics	stics	be used	Results	Reviewer comment
uetans	Diagnostic criteria  Excess weight loss was defined as the loss of ≥10% of birth weight. Weight loss percentiles were determined from 6 to 72 hours for vaginal births and from 6 to 96 hours for caesarean births, reflecting the differences in length of stay by delivery mode and the corresponding variation in availability of weight.	SIICS	pe useu	results	standard criteria used for the measurement of the condition? Yes. Scale type was reported, but whether the scale was calibrated has not been reported; standard procedure carried out in the Hospital has not been reported.  7. Was the condition measured reliably? Unclear. How the infants were weighed and documentation of latch and positioning as well as number of breastfeeds were not reported. Weight loss was not defined.  8. Was there appropriate statistical analysis? Unclear - Whether incorrect weights were deleted has not been reported; confidence intervals not provided.  9. Are all
					not provided.

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results					Reviewer comment
									confounding factors/subgroups/di fferences identified and accounted for? N/A (confounding factors have not been specified in the protocol)  10. Were subpopulations identified using objective criteria? N/A (subpopulations have not been reported)  Overall quality: moderate
Authors	Cohort population	Reference Test	Raw Data	Results					Funding
Macdonald, P. D., Ross, S.	971 consecutive term newborns of birth		Summary Data	Centile data for th	e timing an	d degree of ini	tial weight loss	3	Not reported
R., Grant, L., Young, D.	weight ≥2500g during the first 2-3 weeks of				Median	90th centile	95th centile	97.5 centile	Quality Items
Year of	life: 34 were excluded due to inadequate			Weight loss (%)					Critical appraisal using Munn et al
publication	data and 937 were included: 45% breast			Breast (n=420)	6.6 (6.3- 6.9)	10.6 (10.3- 11.2)	11.8 (11.2- 12.9)	12.8 (12.1- 13.7)	2014:
2003 Country of	fed; 42% formula fed, 13% breast and formula fed				3.5 (3.0- 3.9)	6.9(6.6-7.8)	8.4 (7.8-8.9)	9.5(8.6-10.9)	Was the sample representative of the
publication	Inclusion Criteria All newborns who			Mixed (n=121)	5.9(4.8- 6.9)	10.6 (9.5- 11.6)	11.5(10.6- 12.8)		target population? Yes
United Kingdom	where born in a local postcode with a weight ≥2500g			Timing of loss (days)					Were study participants
Ref Id	and ≥37 weeks gestation.			Breast (n=420)	2.7(2.5- 2.8)	7.0(6.2-7.9)	9.1 (7.7- 10.2)	10.3(10.0- 11.1)	recruited in an appropriate

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results					Reviewer comment
448631	Exclusion Criteria Infants who were not			Formula (n=396)	2.7(2.5- 2.9)	6.2(5.5-6.8)	7.1(6.7-9.2)	9.3(7.9-9.9)	way? Yes (the included infants
Consecutive recruitment	weighed sufficiently often to record a			Mixed (n=121)	2.5(2.2-	6.5(4.9-10.0)	9.3 (6.5-		were consecutive term new-borns
Sub-type Prospective cohort study	minimum weight (usually only having 1 postnatal weight) Demographics - Total 971 Cases n/a Statistical method For the variables under study (maximum recorded percentage weight loss and the timing of this weight loss), the data distribution was studied using the Anderson Darling Normality test. This test confirmed that the data were not normally distributes (p<0.001 for each parameter). In view of the skewed ditribution, the results are reported in as medians and centiles. The binomial distribution method was used to produce 95% confidence intervals for the			Wilked (II=121)	2.8)	0.5(4.9-10.0)	12.0)		3. Was the sample size adequate? Yes (93 7 participants)  4. Were the study subjects and the setting described in detail? Intake was reported (exclusively breastfed, formula fed, mixed feeding), Setting was described (Hospital).Birth weight was not reported, method of delivery not reported.  5. Was the data analysis conducted with sufficient coverage of the identified sample? N/A  6. Were objective, standard criteria used for the measurement of the
	centiles. Comparisons between the breast and formula fed								condition? Yes. Scale type, whether the scale was calibrated standard

	Number of Participant &	Test/ Outcome	Outcome		
Bibliographic	Participant	characteri	measures to		
details	Characteristics	stics	be used	Results	Reviewer comment
	groups were carried				procedure carried
	out using the Mann- Whitney U test and				out in the Hospital was reported.
	the Fisher exact test				was reported.
	was used to compare				7. Was the
	distributions.				condition measured
	Controls				reliably? Unclear.
	n/a				Documentation of
	Diagnostic criteria				latch and positioning
	Babies were weighed				as well as number of
	at birth and before				breastfeeds were
	discharge (Around 48 hours). Further				not reported. Weight loss was not
	weights were				defined.
	recorded at home on				delined.
	about the 5th, 7th and				8. Was there
	10th days of life.				appropriate
	Weighing was				statistical
	discontinued once an				analysis? Unclear -
	infant had regained				Whether incorrect
	his/her weight. As this				weights were
	took a variable length of time, some infants				deleted has not been reported;
	were followed up for				confidence intervals
	longer and had more				not provided.
	weights recorded				p. o vidodi.
	than others.Those				9. Are all
	babies not regaining				important
	their birth weight by				confounding
	day 10 were followed				factors/subgroups/di
	up for longer and had				fferences identified
	more weight recorded than others.				and accounted for? N/A (confounding
	Midwives recorded				factors have not
	date and time of				been specified in the
	weight to allow				protocol)
	calculation of precise				
	age. Infants were				10. Were
	weighed naked using				subpopulations
	a set of digital scales,				identified using

Bibliographic details	Number of Participant & Participant Characteristics and the weight was	Test/ Outcome characteri stics	Outcome measures to be used	Results							Reviewer comment objective
	expressed in kilograms.										criteria? Unclear (breast, formula and mixed feeding have been identified but not defined (see 7)) Overall quality: low
Authors	Cohort population	Reference Test	Raw Data Summary Data	Results							Funding
Martens, P. J., Romphf, L.	812 newborn infants born in 6 hospitals in		, , , , , , , , , , , , , , , , , , ,	Descriptive s	tatistics						Manitoba Health Research Council,
Year of publication	Manitoba, Canada from 1999 to 2002. Inclusion Criteria				Sample size (n=812)	me	edian ± SD	95% CI	Rang	je	Southeastman RHA, Canadian Institutes of Health Research.
2007	Infants who were full- term (37 weeks or			Weight loss, %	773	5.0		4.89%- 5.29%	-15.5 15.99		Quality Items
Country of	more gestation), infants and mothers			Birth weight, g	812	362	24 ± 464	-	2310	to 5365	Critical appraisal
publication	who were not transferred post-birth										using Munn et al 2014:
Canada  Ref Id	to another hospital facility, and infants who were discharged										1. Was the sample
482976	live from the hospital to the birth mother's										representative of the target
Consecutive	care.										population? Yes
recruitment Sub-type	Exclusion Criteria n/a			Comparison	of variables by	feedir	ng categorie	<u>es</u>			Were study     participants     recruited in an
Retrospective cohort study	Demographics - Total			Explanator	Exclusivel		Partially breastfe		npletel	95%	appropriate way? Yes (data
	812			y variable		CI		CI y fo	rmula-	CI	from the included population was obtained from audit
	Cases			Weight loss, %, ¬x	5.49 ±	5.23-	5.52 ±		3 ±	2.02-	charts of hospitals in 3 Regional Health
	n/a			±SD	2.60	5.74	3.02	5.88 2.1	2	2.85	Authorities (RHA) in

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results								Reviewer comment
	Statistical method descriptive statistics			Type of delivery caesares section*	, <b>%</b> 8.6		- :	22.2	-	15.6	-	Canada)  3. Was the sample size
	Controls  Diagnostic criteria Percentage weight			*the result was statistically significantly different among the 3 different categories, p<.05 (using analysis of variance for the continuous variables with Duncan test and chi-square test for the categorical variables)						adequate? Yes (but >1000 participants)  4. Were the study		
	loss was calculated as discharge weight minus birth weight, with the assumption			Birth type	Feeding	N	Follow up (hrs)	Nadir	Mean max. weight loss (%		97.5th centile	subjects and the setting described in detail? Method of delivery was reported (vaginal,
	that maximal weight loss was experienced at an approximate discharge time			any	breast- exc	428	Mean 51 (±20.4)	NR	5.5 (±2	.6) 9.7	10.6	caesarean section) intake (exclusively breastfed), birth
	(because average length of stay was 2.5 days).			any	breast- part	275	Mean 71 (±31.9)		5.5 (±3	.0) 10.4	11.4	weight was reported. Setting was described
	Feeding method was classified into 3 categories:			any	formula	108	Mean 61 (±43.7)	NR	2.4 (±3	.1) 7.5	8.5	<ul><li>(Hospital).</li><li>5. Was the data</li></ul>
	Exclusively breastfed, meaning no other liquid given by mouth Partially breast fed, meaning the new- born received breast			*In hospit	al weight l	oss						analysis conducted with sufficient coverage of the identified sample? N/A
	milk or was breastfeeding but also received supplemental liquids Completely formulafed, with no breastfeeds recorded in the hospital.											6. Were objective, standard criteria used for the measurement of the condition? Unclear. Scale type was reported, standard procedure carried out in the Hospital for weighing the children has not

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results	Reviewer comment
					been reported.  7. Was the condition measured reliably? Unclear. WL has been defined, definition of method of feeding but documentation of latch and positioning as well as number of breastfeeds were not reported.  8. Was there appropriate statistical analysis? Yes - 95% CI have been provided, whether incorrect weights were deleted has not been reported; confidence intervals not provided.  9. Are all important confounding factors/subgroups/differences identified and accounted for? N/A (confounding factors have not been specified in the protocol)
					10. Were subpopulations

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results								Reviewer comment				
												identified using objective criteria? Yes (definition for exclusively breastfed, partially breastfed, completely formula fed have been provided)  Overall quality: moderate				
Authors	Cohort population	Reference	Raw Data	Results								Funding				
Miller, J. R., Flaherman, V.	The original cohort presented with	Test	Summary Data	Summary of matched variables for new-borns with censored weights							The US Department of Health					
J., Schaefer, E. W.,	161471 infants who were born at ≥36							Percent we	eight loss	1		Vagin (n=432	al (	Caesarea n=888)	an	and Human Services, Health
Kuzniewicz, M. W., Li, S. X.,	weeks gestation at 1 of 14 Kaiser			<0.05 perce	entage po	int		29 (53		353 (39.8	3%)	Resources and Services				
Walsh, E. M., Paul, I. M.	Permanent Northern California hospitals			Between 0.	.05 and 0.	20 per	centage	155 (3	5.9%)	368 (41.4	4%)	Administration, Maternal and Child				
Year of publication	between January 1, 2009 and December 31, 2013, who			Between 0. point	.20 and 0.	50 per	centage	41 (9.5	5%)	146 (16.4	4%)	Health Research Program (grant R40 MC 26811)				
2015	survived to discharge home and who did			Between 0. point	.50 and 1	percen	tage	7 (1.69	%)	16 (1.8%	))	Quality Items				
Country of publication	not receive Level II or Level III care. 7075 were included in			>1 percenta	age point			-		5 (0.6%)		Critical appraisal using Munn et al				
USA	the final analysis, of whom 4525 (64.0%)							I	Median			<u>2014:</u>				
Ref Id	were delivered vaginally and 2550 (36.0%) by caesarean			Birth type	Feeding	N	Follow up (hrs)	Nadir (hrs)	max. weight loss (%)	95th centile	97.5th centile	Was the sample representative of the				
466964	section.						Mean					target population? Yes				
Consecutive recruitment	Inclusion Criteria			vaginal	formula	4525	45.6 (±43.2)	48	2.9	6.3	NR	2. Were study				

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results								Reviewer comment
Sub-type Retrospective cohort study	First feeding in the hospital was formula and a weight was recorded after 6 hours of age and before any breastfeeding.  Exclusion Criteria  Missing data on type of delivery, weight, or feeding; birth weight <2000 g or >5000 g; multiple birth; reported birth weights that were discrepant between data sources; or no weight documented after 6 hours of age and before initiation of formula feeding; implausible weight change (>10% loss in the first 24 hours, >15% loss during the measurement period before 72 hours, >10% gain during the measurement period before 72 hours).  Demographics - Total  7075  Cases			caesarean	formula	2550	Mean 72 (±40.8)	48	3.7	6.8	NR	participants recruited in an appropriate way? Yes (the study included all the participants who were born at the University of California between January 2009 and December 2013 who met the inclusion criteria)  3. Was the sample size adequate? Yes (>1000 participants)  4. Were the study subjects and the setting described in detail? Intake (formula feeding), birth weight was reported. Method of delivery was reported (vaginal, cesarean. Setting was described (Hospital).  5. Was the data analysis conducted with sufficient coverage of the identified sample? N/A  6. Were objective,

	Number of	Test/ Outcome	Outcome		
Bibliographic	Participant & Participant	characteri	Outcome measures to		
details	Characteristics	stics	be used	Results	Reviewer comment
	n/a				standard criteria
	Statistical method				used for the measurement of the
	Otatistical metrica				condition? Unclear-
	A penalized fixed				scale type not
	effects quantile				reported.
	regression model appropriate for				7. Was the
	repeated measures				condition measured
	was used to estimate				reliably? Unclear. H
	percentile curves as a function of time after				ow the infants were weighed and
	birth.				documentation of
					latch and positioning
	Controls				as well as formula
	n/a				fed intakes were not reported.
	11/4				roportou.
	Diagnostic criteria				8. Was there
	Weight change was				appropriate statistical
	defined as the				analysis? Yes
	difference between				
	birth weight and each weight recorded				<ol><li>9. Are all important</li></ol>
	subsequently,				confounding
	calculated as a				factors/subgroups/di
	percentage of birth				fferences identified
	weight (as is typically performed daily in				and accounted for? N/A (confounding
	clinical practice).				factors have not
	Weight loss				been specified in the
	percentiles were determined from 6 to				protocol)
	48 hours for vaginal				10. Were
	births and from 6 to				subpopulations
	72 hours for caesarean deliveries.				identified using objective
	caesarean denvenes.				criteria? Yes
					Other information

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results				Reviewer comment  Overall quality:
Authors Wright, C. M., Parkinson, K. N. Year of	Cohort population  The Millennium baby cohort study, which is a study of feeding and growth in	Results  Weight characteristics at different examinate (IQR))	1	1	1	Funding  Henry Smith Charity, Child Growth Foundation		
publication 2004	infancy. A total of 1254 babies were				0	5 (4-7)	12 (10-18)	Quality Items
Country of	born to residents of			Number of weights	959	490	839	Critical appraisal
Ref Id these, 1011 mother	recruiting weeks. Of these, 1011 mothers			More than 5% below birth weight	0	17% (82)	3.8% (32)	using Munn et al 2014:
Consecutive recruitment	of 1029 (82%) babies agreed to join the study. Of these, 961			More than 10% below birth weight	-	3.3% (16)	1.7% (14)	Was the sample representative of the target
Prospective cohort study	Sub-type were born at term Prospective (gestation ≥37 weeks)							population? Yes  2. Were study participants
	Inclusion Criteria All babies born in							recruited in an appropriate way? Yes (the study included
	specified recruiting weeks between June 1999 and May 2000 at term (gestation ≥37 weeks).							participants who were born in specified recruiting weeks in Gateshead between
	Exclusion Criteria							June1999 and May 2000)
	Not reported							3. Was the sample size
	Demographics – Total							adequate? Yes (961 participants)

Bibliographic details	Number of Participant & Participant Characteristics	Test/ Outcome characteri stics	Outcome measures to be used	Results	Reviewer comment
	961  Cases n/a  Statistical method  Weights were				4. Were the study subjects and the setting described in detail? Method of delivery (vaginal), int ake (exclusively breastfed), and scale type and birth weight was not
	transformed into standard deviation scores (SDS) compared with both the UK 1990 and the US Centre for Disease Control growth references. Plainly erroneous weights were deleted. For each child, the				reported. Setting was described (Hospital).  5. Was the data analysis conducted with sufficient coverage of the identified sample? N/A
	weight nearest to each target age (5 days, 12 days, 7 weeks) and within the previously stated target age (5 days, 12 days, 7 weeks) and within a previously stated rage (4-7, 10-18,29-70) was identified.				6. Were objective, standard criteria used for the measurement of the condition? Unclear. Scale type not reported; standard procedure carried out in the Hospital has not been reported.
	Controls  n/a  Diagnostic criteria  Infants' weight were				7. Was the condition measured reliably? Unclear. Weight loss not defined, feeding method not reported. The

characteristics stics be used Results weights of some children taken by parents.  Obtained from the home visits that midwives did to the participant of the study. Basic birth and other information was collected from parents at recruitment, and thereafter parents received postal questionnaires. Once data collection was completed, all weights available for each child were colleted and duplicated were deleted. The number of weight available at each time point is variable since not all participants returned the weights at every time point. The mean weight SDS and age at measurement were very similar for both groups (the ones who returned the weights and who didn't) and	Bibliographic	Number of Participant & Participant	Test/ Outcome characteri	Outcome measures to		
home visits that midwives did to the participant of the study. Basic birth and other information was collected from parents at recruitment, and thereafter parents received postal questionnaires. Once data collection was completed, all weights available for each child were collated and duplicated were deleted. The number of weight available at each time point is variable since not all participants returned the weights at every time point. The mean weight SDS and age at measurement were very similar for both groups (the ones who returned the weights) and who didn't) and wood didn't) and weights and who didn't) and weights and who didn't) and	details		stics	be used	Results	Reviewer comment
difference in birth have not been weight or deprivation reported)		characteristics obtained from the home visits that midwives did to the participant of the study. Basic birth and other information was collected from parents at recruitment, and thereafter parents received postal questionnaires. Once data collection was completed, all weights available for each child were collated and duplicated were deleted. The number of weight available at each time point is variable since not all participants returned the weights at every time point. The mean weight SDS and age at measurement were very similar for both groups (the ones who returned the weights and who didn't) and there was no difference in birth			Results	weights of some children taken by parents.  8. Was there appropriate statistical analysis? Unclear - Whether incorrect weights were deleted has not been reported; confidence intervals not provided.  9. Are all important confounding factors/subgroups/differences identified and accounted for? N/A (confounding factors have not been specified in the protocol)  10. Were subpopulations identified using objective criteria? N/A (subpopulations have not been

## **G.2**<sup>1</sup> Weight loss associated with adverse outcomes

Bibliographi	D. C. C.							
c details	Participants	Thresholds	Methods		mes and results			Comments
Full citation	Sample size	Tests	Methods	Resul	ts			Limitations
Chang, R. J.,	Total n=874	Medical records, including	In our nursery,	Incidence of hyperbilirubinemia for 2			2	Methodological
Chou, H. C.,	Hyperbilirubinemia group,	gestational age, BW, daily	breastfeeding is		d neonates by body	<u>loss</u>		<u>limitations</u>
Chang, Y. H.,	n=219.	BW loss over the first 3 days	encouraged, but	percer	ntages of 3%-10%			assessed using the
Chen, M. H.,	No hyperbilirubinemia	[(birth body weight - daily	supplementary formula will					Critical Appraisal
Chen, C. Y., Hsieh, W. S.,	group, n=655	body weight)/birth body weight) x 100%)] and total	be given if it proves inadequate, as assessed	вw	Incidence of	Odds		Skills Programme (CASP 2006)
Tsao, P. N.,	Characteristics	serum bilirubin before	by parents and clinicians.	loss	hyperbilirubinem	ratio	р	Clinical Prediction
Weight loss	Onaracteristics	phototherapy were	However, supplementary	%	ia (below vs	(95%	•	Rule Checklist
percentage	Hyperbilirubinemia group,	reviewed. All neonates with	formula is routinely used if		above)	CI)		<u></u>
prediction of	n=219	serum bilirubin above 11	BW loss after birth is					A) Are the results
subsequent		mg/dL (188.1 µmole/L) were	significant (≥10%) unless	001		0.67		of the study valid?
neonatal	Gestational age	scheduled for routine	the family refuses.	3%	33.3. vs 25		0.569	,
hyperbilirubin	(weeks)=38.73 (1.18)	outpatient follow-up 2 days				2.69)		1. Is the CPR
emia in	Dieth handers sinht	later. Serum microbilirubin		<u> </u>				clearly defined?
exclusively breastfed	Birth body weight (g)=3254.21 (384.34)	was assessed using direct						Yes (2004
neonates,	(g)=3254.21 (364.34) Male, n=116 (52.97%)	spectrophotometry of a microhematocrit tube.		407	40.0 05.0	1.46	0.557	American Academy
Pediatrics &	Wale, 11=110 (32.3176)	micronematocht tube.		4%	18.8 vs 25.2	(0.41,	0.557	of Pediatrics
Neonatology,	Delivery as normal	Significant				5.17)		guidelines)
53, 41-4,	spontaneous	hyperbilirubinemia and						0.71
2012	delivery, n=152 (69.41%).	phototherapy criteria were						2. The population
		defined according to the				1.48		for which the rule was derived
Ref Id	Maximum body weight loss	2004 American Academy of		5%	18.8 vs 25.5		0.3	included an
	percentage (%)=8.96	Pediatrics guidelines for				3.11)		appropriate
436240	(1.99)	phototherapy. However,						spectrum of
Country	2-day old body weight loss	phototherapy started for all infants whose serum						patients? Yes
where the	2-day old body weight loss percentage (%)=7.66	bilirubin levels were above				1.27		
study was	(1.54)	15 mg/dL (256.5 µmol/L).		6%	21.5 vs 25.8	(0.82,	0.282	3. Was the rule
carried out	(1.01)	10 mg/αε (200.0 μmol/ε).				1.95)		validated in a
	3-day old body weight loss							different group of
Taiwan	percentage=8.62 (2.12)							patients? Can't tell
						1.28		
Study type	No hyperbilirubinemia			7%	22.2 vs 26.8		0.134	4. Were the
<b>5</b>	group, n=655					1.77)		predictor variables
Retrospectiv	Contational							and the outcome
e cohort	Gestational age (weeks)=39.07 (1.16)							evaluated in a blinded fashion?
study	(WEEKS)=39.07 (1.10)							Can't tell (not

Bibliographi c details	Participants	Thresholds	Methods	Outco	mes and results			Comments
Aim of the study  To investigate	Birth body weight (g)=3231.90 (331.22) Male, n=317 (48.4%) Delivery as normal	Tillesilolus	incinous		22.3 vs 29.3	1.45 (1.06, 1.97)	0.019	reported whether outcome assessors or participants were blinded to the study outcome)
the best body weight (BW) loss cut-off value at 2 and 3 days of age for	spontaneous delivery: n=476 (72.67%). Maximum body weight loss percentage (%)=8.48 (2.13)			9%	24.8 vs 26.9	1.12 (0.74, 1.69)	0.606	5. Were the predictor variables and the outcome evaluated in the whole sample
prediction of subsequent neonatal hyperbilirubin emia.	2-day old body weight loss percentage (%)=7.44 (1.66) 3-day old body weight loss			10%	24.7 vs 33.3	1.52 (0.77, 3.02)	0.227	selected initially? Yes  6. Are the statistical methods used to
Study dates  March 2002- July 2005	percentage=7.97 (2.24)  Inclusion Criteria  All neonates born at		eight loss≥8% on the re predictive value (le and the negative p was 77.7%; the ser 6.6% and the specif	PPV) wa redictive nsitivity v	s value value	construct and validate the rule clearly described? No		
Source of funding  None reported	National Taiwan University Hospital that have a gestational age >35 weeks and birth body weight (BBW) above 2500g. Only exclusively breastfed neonates included			lncide day-ol percer	nce of hyperbilirubir d neonates by body ntages of 3%-10%	nemia fo		7. Can the performance of the rule be calculated?
	(breastfed=without supplementation of formula at any time before or during development of hyperbilirubinemia.)			loss %	hyperbilirubine mia (below vs above)	ratio (95% CI)	<b>p</b> 0.191	8. How precise was the estimate of the treatment effect? Can't tell
	Exclusion Criteria					4.98) 1.70		C) Will the results help locally? / Are
	Risk factors for developing neonatal hyperbilirubinemia, such			5%		(0.92, 3.16) 1.77	0.092	the findings applicable to the scenario?
	as evidence of hemolysis (positive Coombs' test),			6%	16.4% vs. 25.7%	(1.07, 2.91)	0.025	9. Would the

Bibliographi						
c details	Participants	Thresholds	Methods	Outcomes and	results	Comments
	glucose-6-phosphate dehydrogenase deficiency, cephalohematoma,			7% 15.4% vs.	. 27.6% 2.10 (1.39, 3.15) <0.001	prediction rule be reliable and the results
	congenital infection, congenital hypothyroidism, perinatal asphyxia and major organ			8% 19.2% vs.	. 28.4% 1.67 (1.20, 2.33) 0.002	interpretable if used for your patient? Yes
	anomalies. Early-onset (i.e., <48 hours of age) neonatal			9% 20.8% vs.	. 30.3% 1.66 (1.20, 0.002 2.30) 0.002	10. Is the rule acceptable in your case? Yes
	hyperbilirubinemia. Neonates also not enrolled because we were interested in			10% 22.3% vs.	. 32.9% (1.16, 2.51) 0.007	11. Would the results of the rule
	using 2nd and 3rd day BW loss as indicators.			11% 23.2% vs.	. 37.7% 2.01 (1.16, 0.012 3.46) 0.012	modify your decision about the management of the patient or the
				12% 24.1% vs.	. 28.6% 1.26 (0.48, 0.641 3.28) 0.641	information you can give to him/her? Can't tell
				37.7%, the NPV	was 11.7% and the	GLOBAL RATING FOR THIS STUDY:Low
Full citation	Sample size	Tests	Methods	Results		Limitations
Davanzo, R., Cannioto, Z., Ronfani, L., Monasta, L., Demarini, S., Breastfeedin g and neonatal weight loss in healthy term infants, Journal of Human Lactation, 29,	1003 infants consecutively admitted to the regular nursery of the Institute for Maternal and Child Health "Burlo Garofolo" (Trieste, Italy). 20.7% delivered by Caesarean section. 60.1% exclusively breast-fed Characteristics Mean gestational age (wk)=40 (39-40) 1 minute Apgar score (median [IQR)]=9 (9-9)	Healthy infants were routinely discharged from the hospital at a postnatal age ≥ 36 hours, according to the recommendations of the American Academy of paediatrics. Babies with a neonatal weight loss > 10% were not considered for discharge until they regained enough weight to fall below 10% weight loss. A weight check of discharged infants was	Every day between 8- 10am, all infants were weighed naked, with an electronic scale, by a nurse, regardless of the feeding pattern. Hypernatremia defined as serum sodium concentration > 150 mEq/L. Statistical analysis Continuous data were reported as means and standard deviations if	Weight loss<8% With regard to ja needed photothe sample). The me concentration of requiring phototh Upon bivariate a weight loss ≥ 8% jaundiced infants requiring phototh = .4). Fifty-one o were SGA. Weig	ration level>145 mEq/L vs ≥8%: 0/731 vs 2/272 lundice, 59 infants erapy (5.9% of the total ean bilirubin serum jaundiced infants herapy was 16.9 mg/dL. nalysis, no difference in was found between a requiring or not herapy (32% vs 38%; Pout of 1003 (5%) infants that loss ≥ 8% was of SGA infants versus	Methodological limitations assessed using the Critical Appraisal Skills Programme (CASP 2006) Clinical Prediction Rule Checklist  A) Are the results of the study valid?  1. Is the CPR

Bibliographi					
c details	Participants	Thresholds	Methods	Outcomes and results	Comments
45-53, 2013	5 minute Apgar score (median	scheduled within 2-4 days after discharge, and was	normally distributed (according to the	28% of non-SGA infants (P =0.01).	clearly defined? Yes
Ref Id	[IQR)]=10 (10-10) Length of hospital stay, d	carried out either at the hospital outpatient clinic by	skewness and kurtosis joint test) or as medians		2. The population
458248	(median [IQR)]: All infants 3 (2-4);	a registered nurse or at the health districts of the Trieste	and interquartile ranges if not distributed normally.		The population for which the rule was derived
Country/ies	Vaginal delivery 3 (2-3);	province, by a midwife. A	Weight loss was analyzed		included an
where the	Caesarean delivery 4.5 (4-	hospital-based post-	as both a continuous and a		appropriate
study was carried out	6) Mean birth weight, g	discharge weight check was scheduled for some infants	dichotomous variable (≥ 8% or < 8%). Bivariate		spectrum of
	(mean ± SD)=3404 ± 442	depending on: (a) extent of	relations were evaluated		patients? Yes
Italy	Cesarean delivery, n (%)=208/1003 (20.7%)	in-hospital weight loss, (b) uncertainty of breastfeeding,	by the t test, Mann- Whitney nonparametric		3. Was the rule
Study type	Exclusive breastfeeding at	and (c) need for jaundice	test, or $\chi$ 2 test, depending		validated in a different group of
	discharge, n (%)	reassessment.	on the nature of the		patients? Can't tell
Retrospectiv	=603/1003 (60.1%)		variables. Multivariate		,
e cohort study	Breastfeeding (exclusive or		logistic regression was used to study the		4. Were the
otday	predominant) at discharge,		association between		predictor variables
Aim of the	n (%)=		weight loss ≥ 8%		and the outcome evaluated in a
study	667/10		(outcome) and all covariates.		blinded fashion? Can't tell (not
To assess the extent of	Inclusion Criteria				reported whether
neonatal weight loss	Healthy term infants				outcome assessors or participants were
and its	<b>Exclusion Criteria</b>				blinded to the study outcome)
with selected	Not reported.				5 Mana Ha
variables in a					<ol><li>Were the predictor variables</li></ol>
population of healthy term					and the outcome
infants cared					evaluated in the
for using a					whole sample
specific					selected initially? Yes
protocol on weight loss.					100
_					6. Are the statistical methods used to
Study dates					construct and
January to					validate the rule
August 2007.					clearly described?

Bibliographi c details	Participants	Thresholds	Methods	Outcomes and results	Comments
Source of funding					No
None reported.					B) What are the results?
торопоа.					7. Can the performance of the rule be calculated? n/a
					8. How precise was the estimate of the treatment effect? Can't tell
					C) Will the results help locally? / Are the findings applicable to the scenario?
					9. Would the prediction rule be reliable and the results interpretable if used for your patient? Yes
					10. Is the rule acceptable in your case? Yes
					11. Would the results of the rule modify your decision about the management of the patient or the information you can give to him/her?

Bibliographi c details Participants Thresholds Methods Outco	comes and results Comments
	Can't tell  GLOBAL RATING FOR THIS STUDY:Low

1

## **G.3**<sup>2</sup> Thresholds for faltering growth

inresnoias	ioi iaiteiiiig	growth		
2	Characteristics			Comments and
Study details	of the population	Measurements taken	Results	limitations
Full citation	Sample size	Details	Statistical analyses	Limitations
Olsen, E. M., Petersen, J., Skovgaard, A. M., Weile, B., Jorgensen, T., Wright, C. M., Failure to thrive: the prevalence and concurrence of anthropometric	N= 5624 Inclusion criteria Not reported Exclusion criteria No child was excluded, as anthropometric screening of children in primary care is normally	Weight and length at birth and perinatal data were obtained from the National Birth Registry. Postnatal measurements were collected by public health nurses using a standardised record as part of four routine home visits conducted when the children were aged about 1-5 weeks, 2-3 months, 4-6 months and 8-10 months.	Crude prevalence was determined using all children screenable by each of the seven criteria, whereas the concurrence among criteria was analysed in subgroups of children for whom growth status could be evaluated for all the given criteria. In the absence of a single gold standard measure of undernutrition, it was considered that a child with both poor weight gain and low weight for height was most likely to be significantly undernourished. The sensitivity and the positive predictive value of each of the 7 anthropometric criteria in detecting children with the combination of	Methodological limitations assessed using the Critical Appraisal Skills Programme (CASP 2006) Clinical Prediction Rule Checklist  A) Are the results of
criteria in a general infant population, Archives of Disease in Childhood, 92,	carried out on the whole population.	Data were grouped into 2 age groups: 2-6 months (age group 1) and 6-11 months (age group 2).  Growth data were converted into z	conditional weight gain and BMI below the 5th centile termed "significant undernutrition" was tested.  Results	the study valid?  1. Is the CPR clearly defined? Yes
109-14, 2007 Ref Id 377973		scores and centiles using the LMS method. Seven clinically used criteria for FTT were applied to the cohort corresponding to "moderate" FTT, and the prevalence and concurrence were compared within and across the	Prevalence of FTT A total of 17% (n=942) of the 5624 children with visits met one or more of the anthropometric criteria in the younger age group and 20% (n=1126) in the older age group, with 27% (n=1524) meeting one or more criteria in at least one age	2. The population for which the rule was derived included an appropriate spectrum
Country/ies where the study was carried out  Denmark  Aim of the study		2 age groups. Conditional weight gain was calculated using the thrive index method (thrive index is the change in weight z scores from birth to the later age, adjusted for regression to the mean, with an average thrive index being zero).	groups. The total yield for each criterion varied from 1.3% (Waterlow) to 22.2% (crossing at least 2 major weight centiles downward).  Sensitivity and positive predictive values of each criterion in identifying significant undernutrition (BMI and conditional weight gain below the 5th centile)	of patients? Yes  3. Was the rule validated in a different group of patients? Can't tell

Study details	Characteristics of the population	Measurements taken	Results					Comments and limitations	
To compare the prevalence and concurrence of		Anthropometric criteria of failure to thrive: Weight < 75% of median weight for			3789 infants winificant underr		screenable,	4. Were the predictor variables and the outcome evaluated in a blinded fashion?	
different anthropometric criteria for FTT and test the sensitivity and positive	propometric Weight < 80% of median weight for length (Waterlow criterion) the sensitivity Body mass index for chronological	Weight < 80% of median weight for length (Waterlow criterion) Body mass index for chronological age < 5th centile		Criterion			Sensitivity	PPV (%)	No (measurments were taken as part of routine monitoring)  5. Were the predictor
these in detecting children with		weight for chronological age <5th centile Weight deceleration crossing more	Gomez criterion	56	31	40	55	variables and the outcome evaluated in the whole sample	
"significant undernutrition", defined as the		than two major centile lines; centile lines used: 5,10,25,50,75,90 Conditional weight gain= lowest 5%, adjusted for regression towards the mean from birth until weight within the given age group.	Waterlo w criterion	42	22	29	52	selected initially? Yes  6. Are the statistical	
combination of slow conditional weight gain and low body mass index (BMI).			BMI < 5th centile	184	77	100	42	methods used to construct and validate the rule	
Funding	gain and BMI below the 5th centile	Weight <5th centile	131	52	68	40	clearly described? Yes  B) What are the		
Egmont Foundation, the Danish Health Insurance Foundation, the		le <5	length <5th centile	141	13	17	9	results?  7. Can the	
Foundation, the Foundation of Carl August and Jenny Andersen, the Lunbeck Foundation, the	ion of Carl and Jenny n, the ion, the d ion, the Surovell Fund for ental Health h of	Weight downwa rd crossing ≥	553	55	71	10	performance of the rule be calculated? Yes  8. How precise was		
Gangsted Foundation, the Beatrice Surovell Haskell Fund for Child Mental Health Research of			Conditio nal weight gain <5th centile	178	77	100*	43	the estimate of the treatment effect? Some estimates were very precise, others not as much	
Copenhagen, the Rosalie Petersen Foundation, the Foundation of Director Jacob		Age group 2: among 3692 infants who were fully screenable, 66 infants showed significant undernutrition					C) Will the results help locally? / Are the findings applicable to the scenario?		

Study details	Characteristics of the population	Measurements taken	Results					Comments and limitations
Madsen and Wife Olga Madsen, the Linex Foundation and the Danish			Criterion	Total meeting criterion	Number with significant undernutriti on	Sensitivit y (%)	PPV (%)	9. Would the prediction rule be reliable and the results interpretable if
Ministry of Social Affairs.			Gomez criterion	23	11	17	48	used for your patient? Yes
Comparison/contr			Waterlo w criterion	19	11	17	58	10. Is the rule acceptable in your case? Yes  11. Would the results of the rule modify
N/A			BMI < 5th centile	162	66	100	41	
			Weight <5th centile	183	50	76	27	your decision about the management of the patient or the information you can
			Lenght <5th centile	125	1	1 1/2	1	give to him/her? Yes
			Weight downwa rd crossing ≥ 2 major centiles	773	56	85	7	GLOBAL RATING FOR THIS STUDY:moderate
			Conditio nal weight gain <5th centile	184	66	100*	36	
			*100% by c	definition. N	Negative predic	tive values:	98%-100%	

Study details	Characteristics of the population	Measurements taken	Results					Comments and limitations
			Characteristics of c	hildren ide	entified as c	ases by the	<u>e</u>	
			different criteria am group 1	ong fully s	screenable o	hildren for	<u>age</u>	
				Birth:	Birth:	Age	Age	
			Criterion	mean weight	mean length z	z	group mean z	
				z scores	scores	scores: weight	scores: length	
			All in the age group	0.001	0.018	-0.061	-0.042	
			Gomez criterion <75%	-1.37*	-1.19*	-3.15*	-1.87*	
			Waterlow criterion <80%	-0.01	0.08	-1.64*	0.95*	
			BMI < 5th centile	-0.20*	-0.07	-1.36*	0.56*	

Study details	Characteristics of the population	Measurements taken	Results		Comments and limitations			
			Weight <5th centile	1.13*	-1.05*	-2.15*	-1.23*	
			Length <5th centile	-1.09*	-1.14*	-1.31*	-2.13*	
			Weight deceleration ≥ 2 major centile lines	deceleration ≥ 2   0.84*   0.57*   -0.67*   -0.13*				
			Conditional weight gain <5th centile -0.14 -0.23* -1.96* -0.87*					
			Weight gain < 5th centile and BMI <5th centile	-0.17	-0.12	-2.10*	-0.25*	
			* p <0.05, tested against children identified as normal by the same criterion					
Full citation	Sample size	Details	Statistical analyse	s				Limitations
Ross, E. S., Krebs, N. F., Shroyer, A. L., Dickinson, L. M., Barrett, P. H., Johnson, S. L., Early growth faltering in healthy term infants predicts longitudinal growth,	N=1939 in the 4 - to-6 month time period and N=1900 in the 2- to-4 time period. Inclusion criteria Term gestation (≥37 weeks, ≤ 42 weeks),	Information was gathered during regularly-scheduled well-child visits between two and six months of age**. Infants with a birthweight >4.2 kg were then eliminated from analysis to control for regression to the mean, resulting in a dataset with birthweights >5%tile and <95%tile.	Means and standar months, length in conteach time period of categorically by birt < 3.0 kg, ≥3.0 kg to ≤ 4.2 kg) to assess a case. The referent roughly the middle standard months and standard months are standard months.	Methodological limitations assessed using the Critical Appraisal Skills Programme (CASP 2006) Clinical Prediction Rule Checklist				
Early Human Development, 85, 583-8, 2009	birthweight >2.5 kg, no known prenatal exposure to alcohol or illicit	The predictor variable was defined as a change in WAZ between the first and the last weights collected within the 4-to-6 month time period (primary	Logistic regression a rate of deceleration ≥ -0.85 during the 4 with an increased ri	-score) of sociated	A) Are the results of the study valid?			
<b>Ref Id</b> 409159	drugs, and an initial hospital stay of ≤ 4 days.	hypothesis) or within the 2-to-4 month time period (secondary hypothesis.)***	life, after adjusting the interaction term	of birth -0.85, and	1. Is the CPR clearly defined? Yes			
Country where the study was carried	Exclusion criteria Children who were born with	The predictor variable was created by subtracting WAZ1 (weight-for-age)	were entered and to likelihood test.					The population for which the rule was derived included an

Study details	Characteristics of the population	Measurements taken	Results	Comments and limitations
<b>out</b> USA	any known, documented congenital or	(the first WAZ collected) from WAZ2 (the last WAZ.).	The time period of 2-to-4 months as a predictor, using the same logistic regression modelling techniques. The 95% confidence intervals for the c-statistics for each of the logistic	appropriate spectrum of patients? Yes
USA  Aim of the study  To identify whether early deceleration in weight gain could be used to predict subsequent early growth childhood growth faltering. The authors aimed to test 2 different hypotheses:  H1: a change in weight-for-age in a negative direction of more than -0.85 standard deviation between the four and six month well-child visit was predictive of a child reaching a weight-for-length ratio ≤ the 5th percentile ("underweight") at some point during the first two years of life*.  H2: whether a				of patients? Yes  3. Was the rule validated in a different group of patients? Can't tell  4. Were the predictor variables and the outcome evaluated in a blinded fashion? Can't tell  5. Were the predictor variables and the outcome evaluated in the whole sample selected initially? Yes  6. Are the statistical methods used to construct and validate the rule clearly described? Yes  B) What are the results?  7. Can the performance of the rule be calculated?
similar change in the two-to-four month time period would be equally predictive. The			Relationship of Change in Weight-for-Age and Odds of Becoming a Case, Stratified by Birthweight Category, 4-6  Month Time Period (n=1939)	8. How precise was the estimate of the treatment effect?  Precise
authors were interested in finding			Parameter Odds Ratio 95% CI Relative Risk 95% CI	C) Will the results

	Characteristics			Comments and
Study details	of the population	Measurements taken	Results	limitations
the earliest time interval useful for prognostic purposes.			Only Birthweight (kg) category in model*	help locally? / Are the findings applicable to the scenario?
Sensitivity analyses were conducted to			<b>&lt;2.75kg</b> 2.13 1.4, 3.3 1.25 1.1, 1.5	<ol><li>Would the prediction rule be</li></ol>
determine the effect			<b>≥2.75kg, &lt;3.0kg</b> 1.85 1.4, 2.4 1.19 1.1,1.3	reliable and the
of the growth reference (2006 WHO vs. 2000			≥3.0kg, ≤4.0kg (Reference) 1.0	results interpretable if used for your patient? Can't tell
CDC) on the			<b>&gt;4.0kg, ≤4.2kg</b> 0.43 0.2, 0.9 0.88 0.8,09	patient: carreton
robustness of the model.  Funding			Only Negative Change in WAZ score ≥ -0.85 in the model**       2.17             1.3, 3.5       1.28         1.1,1.5       1.1,1.5	10. Is the rule acceptable in your case? Yes
Kaiser-Permanente Comparison/control group			Both BW and Change WAZ in model*	11. Would the results of the rule modify your decision about the management of
The control group were those			<b>BW&lt;2.75kg</b> 2.19 1.4, 3.3	the patient or the
children who did not present with a			BW ≥2.75kg, <3.0kg 1.90 1.4, 2.5	information you can give to him/her? Yes
deceleration in weight gain during			≥3.0kg, ≤4.0kg (Reference) 1.0	GLOBAL RATING
early infancy.			BW >4.0kg, ≤4.2kg 0.42 0.2, 0.9	FOR THIS STUDY:Moderate
			Negative         Change in WAZ         score ≥ -0.85             1.5, 3.9	Other information
			WAZ = weight-for-age z score * p<0.0001; ** p=0.0019  Sensitivity, Specificity, and Area under the ROC curve by category of birthweight using a negative change in WAZ of ≥ -0.85  Birthweigh t category  Sensitivit y (95% CI)  Specificit y (95% CI)  CI  Area under Curve (AUC)  p-value	*A negative change of more than -0.85 was chosen a priori based upon data published by Mei and colleagues (2004) that suggested approximately 17% of infants demonstrated
				a negative change in weight-for-age ≥1 standard deviation

Study details	Characteristics of the population	Measurements taken	Results					Comments and limitations
			Aggregate cohort	0.06 (0.04, 0.09)	0.97 (0.96, 0.98)	0.611	p< .0001	between birth and six months of age, and this study was
			< 3.0 kilograms	0.02 (0.0, 0.07)	0.98 (0.96, 1.0)	0.615	p= .0004	examining a shorter time interval.
			≥3.0 kilograms, < 4.2 kilograms	0.07 (0.05, 0.10)	0.97 (0.96, 0.98)	0.619	p< .0001	**The age interval of four-to-six months was chosen initially because it reflects
								the typical timing of well-child visits and there are a number of developmental changes related to feeding skill development and changing nutritional requirements that could influence growth.
								***Weight-for-age was chosen over weight-for length as the predictor variable because weight is the most accurately collected anthropometric measurement in the infant under one year of age.
								****WLZ is preferred as the indicator for underweight by the CDC, the World Health Organization (WHO), and the American Academy of Paediatrics (AAP).

Study details	Characteristics of the population	Measurements taken	Results	Comments and limitations
				Weight-for-length ratio is also the most reflective of a nutritional deficit (underweight); therefore, it can prompt a nutritional intervention. The authors decided to use the lowest WLZ, reflecting the a priori determination that one instance of a WLZ of ≤-1.67 resulted in becoming a case

1

## **G.4**<sup>2</sup> Differences in feeding and eating

		canny and cath	-9								
Study details	Participan ts	Assessment/ methods	Outcomes and	results						Comments	
Full citation	Inclusion criteria	Assessment/methods	Outcomes and	Outcomes and results							
Drewett, R.		For each child a standard	Intakes of solid f	Intakes of solid foods and of fluids in cases and controls at test meal							
F., Kasese-	Children	lunchtime meal was		Cases	Cases	Controls	Controls	t [z]	p<	Methodology	
Hara, M., Wright, C.,	aged 12- 24 months	videotaped. The meal replaced a normal		Mean	SD	Mean	SD			checklist NICE manual: case-	
Feeding behaviour in young	Feeding at the time lunchtime meal and was pehaviour in of the given in the usual way in investigatio the child's own home.	Intake mass (g)- Solid food	95.7	41.9	127.8	51.7	2.5	0.02	control studies  Section 1: Internal		
children who fail to thrive, Appetite, 40,	n and cases referred to	Counts of behaviour were assessed using a behaviour code	Intake mass (g)- drink	21.3	37.8	70.1	63.3	[2.84]	0.005	validity 1.1 The study addresses an	
55-60, 2003 Ref Id	a specialist clinical service over a 2	developed and validated by the study authors. Digital scales were used for weighting food before	Intake density (kJ/100g)- Solid food	709.3	232.5	757.1	169.4	0.85	0.4	appropriate and clearly focused question: Adequately	
378257	years period	and after the meal accurate to 0.1g, and the								addressed Selection of	

Study details	Participan ts	Assessment/ methods	Outcomes ar	nd results						Comments
Country/ies where the study was carried out	provided their weight gain was in	energy density of the foods was known, making it possible to calculate energy intake.	Intake density (kJ/100g)- drink	1 (kJ 62	68.4	194.5	57.8	1.67	0.2	participants 1.2 The cases and controls are taken from comparable
UK Study type	the slowest 5% compared with	The children drank an energy drink over the half and before the meal.	Intake energically (kJ)- solid food	645.4	284.4	925.6	352.3	3.19	0.003	populations: Well covered 1.3 The same exclusion criteria
Case-control	children of the same weight		Intake energ	<b>9y</b> 40.8	92.1	136.7	138.1	[2.85]	0.005	are used for both cases and controls: Well covered
Aim of the study  To compare feeding behaviour at the test meal in children who failed to thrive and appropriate controls and to examine the extent to which differences in their	soon after birth. Exclusion criteria Not reported Cases characteris tics N=28 children in the slowest 5% compared with children of the same		Counts of beh	aviour code	s recorded	for cases and c	controls at test me	<u>al</u>		1.4 What was the participation rate for each group (cases and controls)?: Above 90% 1.5 Participants and non-participants are compared to establish their similarities or differences: Well covered 1.6 Cases are clearly defined and differentiated from
behaviour explained	weight soon after			Cases	Cases	Controls	Controls	z	p<	controls: Adequately
differences in their energy	birth. The mean (SD)				Quartiles (Q)	Medians (M)	Quartiles (Q)			addressed 1.7 It is clearly
intake.	age was 17.4 (3.6)		Feedself	46	23-84	63	38-92	2.03	0.04	established that controls are not
Source of	months. 14		Hand	3	1-5	1	0-4	2.15	0.03	cases: Adequately
funding	(52%) were boys.		Give	23	9-39	13	2-29	1.5	0.2	addressed Assessment
Not reported	Controls		Accept	13	3-28	9	2-22	1.17	0.3	ASSESSITIETT
	characteris		Refuse	6	3-14	3	1-8	1.95	0.05	1.8 Measures were
	tics N=28 children		Reject	6	1-10	3	1-8	1.31	0.2	taken to prevent knowledge of primary exposure

Study details	Participan ts	Assessment/ methods	Outcomes and results	Comments
	with normal growth recruited to be comparabl e with cases in age and sex, with the same primary care physician and in the same geographic al area. The mean (SD) age was 18.4 (4.0) months. 15 (58%) were boys			from influencing case ascertainment: Ad equately addressed 1.9 Exposure status is measured in a standard, valid and reliable way: Adequately addressed  Confounding factors  1.10 The main potential confounders are identified and taken into account in the design and analysis: Not addressed Statistical analysis
				1.11 Have confidence intervals been provided?: Not addressed  1.12 Overall assessment of internal validity. Are the study results internally valid?: + Some of the checklist criteria have been fulfilled, where they have not been fulfilled, or

Study details	Participan ts	Assessment/ methods	Outcomes and results				Comments
							not adequately described, the conclusions are unlikely to alter
							Section 2: Overall assessment of external validity.
							Are the study results externally valid (i.e. generalisable to the source population)? +
							Moderate
Full citation	Inclusion criteria	Assessment/methods	Outcomes and results				Limitations
Kasese-Hara, M., Wright,	Not	Children were given standard ad libitum test	Energy intake (kJ) in case and c energy intake at the test meal or	Appendix E Methodology			
C., Drewett, R., Energy compensation	reported	meals on 2 days in the same week, at lunchtime in their own homes. One		Case (n=27)	Control (n=26)		checklist NICE manual: case— control studies
in young children who fail to thrive,	Exclusion criteria	meal was preceded by a low energy pre-load and the other by a high energy	Low energy pre-load day Energy intake at test meal	687.5 (334.3)	1065.9 (431.8)	t=3.6, p<0.001	Section 1: Internal validity
Journal of Child Psychology &	Not reported	pre-load in the form of a blackcurrant or orange flavoured drink. Half the	High energy pre-load day				1.1 The study addresses an
Psychiatry & Allied	Cases characteri	children in each group received the low energy	Energy intake from pre-load	160.7 (113.9)	254.7 (115.1)	t=2.99, p<0.01	appropriate and clearly focused
Disciplines, 43, 449-56, 2002	stics N=27	drink first, and the other half the high energy drink. 2 children from each block	Energy intake at test meal	765.6 (358.9)	808.6 (423.0)	t=0.40, NS	question: Adequately addressed
Ref Id	children under assessme	were assigned at random to each order.	Total energy intake	926.3 (419.9)	1063.3 (455.6)	T=0.26, NS	Selection of participants
378368	nt by a community	On the days of the test the child was first given					1.2 The cases and controls are taken

	Participan						
Study details	ts	Assessment/ methods	Outcomes and results				Comments
Country	-based	the pre-load to drink. 25					from comparable
where the	service for	minutes late they were	⊥ intake	78.1 (365.9)	-257.3 (383.3)	T=3.26, P<0.01	populations:
study was	failure to	given the ad-libitum meal,					Adequately
carried out	thrive, with	and allowed to eat as they					addressed
	weight	normally would, with or					
UK	gain in the	without the help of the					1.3 The same
	lowest 5%	parent. Feeding continued					exclusion criteria
Study type	for their	until the child showed					are used for both
	age. The	clear signs of being					cases and controls:
Case-control	children	satiated. The parent made					Well covered
	who failed	the decision of end the					
Aim of the	to thrive	meal.					1.4 What was the
study	received						participation rate
_	tailored	Digital scales were used					for each group
To compare	nutritional	for all weightings,					(cases and
the energy	and	accurate to 0.001g.					controls)?: Above
compensation	behavioura	F					90% for both
characteristic	l advice	Energy contents were					groups
s of a group	from the	supplied by the					4.5 Doutioin outs
of children with failure to	project dietitian at	manufacturers and are					1.5 Participants and non-
thrive with	a joint	given in kJ per 100g.					participants are
those of	home visit						compared to
control	with the						establish their
children with	health						similarities or
normal weight	visitor, but						differences: Not
gain. The	nutritional						addressed
prediction that	supplemen						addressed
the children	ts were not						1.6 Cases are
who fail to	used, nor						clearly defined and
thrive would	any						differentiated from
show less	structured						controls: Well
precise	behavioura						covered
energy	I						5515.54
compensation	therapies.						1.7 It is clearly
that the	Controls						established that
controls was	characteris						controls are not
tested.	tics						cases: Well
	N=26						covered
Source of	children						Assessment
funding	with						
	normal						1.8 Measures were

	Participan			
Study details	ts	Assessment/ methods	Outcomes and results	Comments
John Gilroy, Senior Pharmacist, Drug Information Unit, Royal Victoria Infirmary, newcastle- Upong-Tyne, The Swedish International Development Agency and the University of Zambia.	growth.	ASSESSITETIV ITTELLIOUS		taken to prevent knowledge of primary exposure from influencing case ascertainment: Not applicable  1.9 Exposure status is measured in a standard, valid and reliable way: Adequately addressed Confounding factors  1.10 The main potential confounders are identified and taken into account in the design and analysis: Not addressed Statistical analysis  1.11 Have confidence intervals been provided?: Not addressed  1.12 Overall assessment of internal validity. Are the study results internally valid?:+ Some of the checklist criteria have been fulfilled,

Study details	Participan ts	Assessment/ methods	Outcomes and results				Comments
							where they have not been fulfilled, or not adequately described, the conclusions are unlikely to alter Section 2: Overall assessment of external validity. Are the study results externally valid (i.e. generalisable to the source population)?:+
Full citation	Inclusion criteria	Assessment/methods	Outcomes and results	Limitations			
McDougall,	Criteria	Mothers were invited to	Feeding behaviour of cases	Appendix E			
P., Drewett,	Not	take part in the study by		Methodology			
R. F., Hungin, A. P., Wright,	reported	their own health visitor, and visited at home when		Cases (n=74)	Controls (n=86)	p value	checklist NICE manual: case-
C. M., The	Exclusion	the infant reached 4	Ever breast fed	56.2%	45.3%	0.2	control studies
detection of early weight faltering at the	criteria Not	months of age. They were given a structured questionnaire, focussing	Slow feeding before 2 months				Section 1: Internal validity
6-8-week	reported	on family details, feeding	yes, often	28.4%	3.5%		,
check and its association	Cases	and the infant's health.	yes, sometimes	10.8%	8.1%	<0.001	1.1 The study addresses an
with family	characteri	This was administered	No, never	60.8%	88.4%	<0.001	appropriate and
factors,	stics	orally to ensure that	Weak sucking				clearly focused
feeding and behavioural	The case	literacy problems did not hinder any responses.	yes, often	12.2%	0.0%		question: Adequately
development,	sample	, ,	yes, sometimes	8.1%	1.2%		addressed
Archives of Disease in	comprised all infants	The significance of associations was tested	No, never	79.7%	98.8%	<0.001	Selection of participants
Childhood,	with weight	using chi-square	Small quantities of milk				participarits
94, 549-52,	gain below	statistics. The infants	yes, often	28.4%	9.3%		1.2 The cases and
2009	the fifth centile	were weighed and their development assessed	yes, sometimes	21.6%	27.9%		controls are taken from comparable
Ref Id	over the	blind to their group using	No, never	5.0%	62.8%	0.01	populations: Well

Study details	Participan ts	Assessment/ methods	Outcomes and results				Comments	
377933	first 6-8 weeks	the Bayley scales. This was repeated when the	Slow feeding after 2 months				covered	
Country	Controls	infants reached 9 months. Comparison for these and	yes, often	16.2%	1.2%		1.3 The same exclusion criteria	
where the	characteri	other continuous variables	yes, sometimes	8.1%	4.7%		are used for both	
study was carried out	stics	were made using t test statistics.	No, never	72.5%	94.2%	<0.001	cases and controls: Well covered	
UK	Controls were the	Statistics.	Controls	Refused breast milk after 2 months				1.4 What was the
Study type	infant nearest in		yes, often	4.5%	0.0%		participation rate for each group	
olddy type	birth date		yes, sometimes	22.7%	0.0%		(cases and	
Nested case-	to each		No, never	72.7%	100.0%	0.02	controls)?: Above	
control study  Aim of the	case on the same health		Refused other milk after 2 months				90% 1.5 Participants	
study	visitor's list		yes, often	8.1%	4.6%		and non-	
To identify			yes, sometimes	20.3%	23.2%		participants are compared to	
infants with early weight faltering at the 6-8 week			No, never	68.9%	70.9%	0.7	establish their similarities or differences: Well covered	
check and examine their family circumstance s, feeding and behavioural development.							1.6 Cases are clearly defined and differentiated from controls: Adequately addressed	
Source of funding  NHS Executive Nothern and Yorkshire Regional Office							1.7 It is clearly established that controls are not cases: Adequately addressed Assessment  1.8 Measures were taken to prevent knowledge of	

Study details	Participan ts	Assessment/ methods	Outcomes and results	Comments
,				from influencing case ascertainment: Ad equately addressed
				1.9 Exposure status is measured in a standard, valid and reliable way: Adequately addressed Confounding factors
				1.10 The main potential confounders are identified and taken into account in the design and analysis: Not addressed Statistical analysis
				1.11 Have confidence intervals been provided?: Not addressed
				1.12 Overall assessment of internal validity. Are the study results internally valid?: + Some of the checklist criteria have been fulfilled, where they have not been fulfilled, or not adequately

Study details	Participan ts	Assessment/ methods	Outcomes and res	sults				Comments
								described, the conclusions are unlikely to alter Section 2: Overall assessment of external validity. Are the study results externally valid (i.e. generalisable to the source population)? + Other information
Full citation	Inclusion criteria	Assessment/methods	Outcomes and res	Limitations				
Parkinson, K. N., Wright, C. M., Drewett, R. F., Mealtime energy intake	Not reported  Exclusion criteria	Participants were studied during 2 lunchtime meals in their own homes, generally on consecutive days. One was finger food and one a spoon food	Descriptive statistics, correlation coefficients and associated statistics across the two meal for feeding behaviour variables, energy intake, weight of food eaten and meal duration (n=84 to 86). The Spearman p statistics show the correlation between the meals, the Wilcoxon W statistics show whether the difference in the medians is statistically significant					Appendix E Methodology checklist NICE manual: case— control studies
and feeding behaviour in	Not	meal, and the order was randomly	Behavioural variables	All children median	Q1 TO Q3	Spearman's ρ	Wilcoxon W	Section 1: Internal validity
children who fail to thrive: a	reported	counterbalanced. Commercially produced	Give- finger	3.0	0 to 12.0	0.22	7.1	1.1 The study
population-	Cases	foods of known energy	Give - spoon	36.5	15.8 to 49.3	p=0.047	p< 0.0005	addresses an
based case- control study,	characteri stics	content were provided, selected by the mother	Accept- finger	1.0	0 to 7.0	0.15	7.0	appropriate and clearly focused
Journal of		from 2 lists. Video-	Accept- spoon	24.0	8.0 to 39.3	NS	p<0.0005	question:
Child Psychology &	N= 30 children	recording began when the food was placed in front of	Refuse- finger	1.0	0 to 5.3	0.29	5.8	Adequately addressed
Psychiatry &	with first	the child and continued	Refuse- spoon	8.0	3.0 to 13.3	p=0.008	p<0.0005	Selection of
Allied Disciplines,	year weight	until the food was removed, or the meal was	Feedself- finger	47.5	28.8 to 65.8	0.25	5.2	participants
45, 1030-5,	gain below	clearly over.	Feedself- spoon	17.0	2.0 to 40.8	p=0.022	p<0.0005	1.2 The cases and
2004	the 5th centile	Feeding behaviour was coded using an	Reject- finger	4.0	2.0 to 9.3	0.08	6.5	controls are taken from comparable
Ref Id	Children's	established behavioural	Reject- spoon	1.0	0 to 2.0	NS	p <0.0005	populations: Well
378525	age ranged	coding inventory, which described both self- and	Energy intake (kJ) finger	568	686	406	0.44, t= 0.5	covered

Study details	Participan ts	Assessment/ methods	Outcomes and re	esults				Comments
Country where the study was carried out  UK  Study type  Nested case- control  Aim of the study  To examine the feeding behaviour and food intake of a cohort of children with failure to thrive  Source of funding  Henry Smith Charity, SPARKS (Sport Aiding Medical Research for Kids) and Gateshead Health Trust Levy Funding	between 13 and 21 months (m ean 15.7, SD 1.4) Controls characteris tics N= 57 controls identified from a 10% random sample of the Millenium Baby Study, provided their thrive index after 9 months was above the 10th percentile. Children's age ranged between 13 and 21 months (m ean 15.7, SD 1.4)	Assessment/ methods parental-feeding. Each meal was coded in real time using all-occurrence sampling with a purpose- written program.	Outcomes and re Energy intake (kJ) spoon	687	702	286	p < 0.0005, NS	1.3 The same exclusion criteria are used for both cases and controls: Well covered  1.4 What was the participation rate for each group (cases and controls)?: Above 90% for both groups  1.5 Participants and non-participants are compared to establish their similarities or differences: Not addressed  1.6 Cases are clearly defined and differentiated from controls: Well covered  1.7 It is clearly established that controls are not cases: Well covered Assessment  1.8 Measures were taken to prevent knowledge of primary exposure from influencing case

Study details	Participan ts	Assessment/ methods	Outcomes and results	Comments
otady dotains		ASSESSMENT MEMOUS		ascertainment: Not applicable
				1.9 Exposure status is measured in a standard, valid and reliable way: Adequately addressed Confounding factors
				1.10 The main potential confounders are identified and taken into account in the design and analysis: Well covered Statistical analysis
				1.11 Have confidence intervals been provided?: Not addressed
				1.12 Overall assessment of internal validity. Are the study results internally valid?:++ All or most of the checklist criteria have been fulfilled, where they have not been fulfilled the conclusions are very unlikely to alter

Study details	Participan ts	Assessment/ methods	Outcomes	and result	S				Comments		
Full citation	Inclusion	Assessment/methods	Outcomes	and result	s				Section 2: Overall assessment of external validity.  Are the study results externally valid (i.e. generalisable to the source population)?: +  Moderate Limitations		
	criteria										
Robertson, J., Puckering, C.,	Not	Participants (aged 13-21 months) were studied	Counts for	<u>all domains</u>	for cases co	mpared to contro	<u>ois</u>		Appendix E Methodology		
Parkinson, K., Corlett, L., Wright, C.,	reported  Exclusion	during 2 lunchtime meals in their own homes, generally on consecutive	in their own homes, generally on consecutive	in their own homes, generally on consecutive		Median	Range	Geometric mean	Geometric mean difference	P t-test	checklist NICE manual: case— control studies
Mother-child feeding interactions in	criteria Not	days, with their mother present. One was a finger food meal and one was a	Total positive						Section 1: Internal validity		
children with	reported	spoon meal, with the	Cases	81.5	4-496	79.2	69.4	0.003			
and without weight	Cases	order randomly counterbalanced.	Controls	169.5	40-372	148.5			1.1 The study addresses an		
faltering; nested case	characteri stics	Commercially produced foods of known energy	Total negative						appropriate and clearly focused		
control study, Appetite, 56,	N= 30	content were provided, selected by the mother	Cases	0	0-5	0.53	0.53	0.115	question: Adequately		
753-9, 2011	mother- child dyads	from 2 lists.	Controls	1	0-15	1.06			addressed Selection of		
Ref Id	in which children	Video recording began when the food was placed							participants		
378571	presented with weight	in front of the child and continued until the food							1.2 The cases and controls are taken		
Country where the study was carried out	gain below the 5th percentile for the	was removed, or the meal was clearly over. All the video recordings were viewed and analysed by							from comparable populations: Well covered		
UK	cohort.	one of the authors in the original study by							1.3 The same exclusion criteria		

	Participan					
Study details	ts	Assess	ment/ me	ethods	Outcomes and results	Comments
Study type  Nested case- control study  Aim of the  study  To explore whether the  Mellow  Parenting  assessment  system can  detect any  difference in  parent-child  meal time  interaction  between  children with  weight  faltering and  normally  growing  children.  Source of	_	Parkinson measure study waversion of Parentin which sudyadic robetween and the relations are the sof the M System parent's behavio	on 2004. The used in the Me of the M	The this olified sellow g System es the ip and child of the following domains renting code conal	Outcomes and results	are used for both cases and controls: Well covered  1.4 What was the participation rate for each group (cases and controls)?: cases = 69% and controls = 72%  1.5 Participants and non-participants are compared to establish their similarities or differences: Not addressed  1.6 Cases are clearly defined and differentiated from controls: Well covered  1.7 It is clearly established that
funding  Not reported		Auto conom ir y III wonom ti	child's ndividua ly, wishes, needs iming  Express es warmth to the child,	dismissi ve of the child's point of view  Express es,critici sm, smackin g, shouting		controls are not cases: Well covered Assessment  1.8 Measures were taken to prevent knowledge of primary exposure from influencing case ascertainment: Not applicable

	Participan			
Study details	ts	Assessment/ methods	Outcomes and results	Comments
		'mesh' , rough handling child		1.9 Exposure status is measured in a standard, valid
		Influenc es the child's behavio ur by persuasi on or distractio n or other non- confront ational means Harsh demand s, threats or negative respons es to the child's request		and reliable way: Adequately addressed Confounding factors  1.10 The main potential confounders are identified and taken into account in the design and analysis: Not
		Distress  Distre		addressed Statistical analysis  1.11 Have confidence intervals been provided?: Not addressed  1.12 Overall assessment of internal validity. Are
		Cont rol  Complian riately seeks to achieve complian rice  Complian riately seeks to achieve complian rice  Cont rol  Cont rol		the study results internally valid?:+ Some of the checklist criteria have been fulfilled, where they have not been fulfilled, or not adequately described, the conclusions are unlikely to alter Section 2: Overall

0. 1. 1.4.11.	Participan					14.							
Study details	ts	Assessment/ methods were data already held on the meals, including energy intake, meal duration, length and weight at assessment. There were also linked to questionnaire data collected for the children as part of the larger study.	Outcor	nes an	d res	sults							assessment of external validity. Are the study results externally valid (i.e. generalisable to the source population)?:+
Full citation Wright, C.,	Inclusion criteria	Assessment/methods Standard health visitor		consur			nildre	en with failur	e to thrive (r	nean values	and standard	<u>d</u>	Appendix E
Loughridge, J., Moore, G., Failure to thrive in a population context: two contrasting studies of feeding and nutritional status, Proceedings of the Nutrition	Not reported  Exclusion criteria  Not reported  Cases characteristics  N=42	proforma and 3 days food diary.	deviation	Crud e valu es		Con trol s				Adjusted for significan t confound ers using linear regression			Methodology checklist NICE manual: case— control studies  Section 1: Internal validity  1.1 The study addresses an appropriate and clearly focused question: Adequately
Society, 59, 37-45, 2000 Ref Id 378706 Country/ies where the study was	children with a thrive index of <1.3 weight SDS. This criterion identifies			Mea n	SD	<b>M</b>	SD	Mean differenc e	Statistica I significan ce of differenc e P=	differenc	Other variables in model	Statistic al significa nce of differen ce	addressed Selection of participants  1.2 The cases and controls are taken from comparable populations: Well
Carried out  UK  Study type  Case-control	the slowest gaining 5% of children, whatever their initial weight		Energ y intak e base d on actua	536	205	469	109	67	0.07	48.2	Deprivation	0.18	1.3 The same exclusion criteria are used for both cases and controls: Well covered

Study details	Participan ts	Assessment/ methods	Outcom	nes a	nd res	sults							Comments
Aim of the study  To address the following hypotheses:	centile. Infant's age ranged between 6 and 32 months.		l wt										1.4 What was the participation rate for each group (cases and controls)?: Above
Children with failure to thrive, compared with normally-growing controls would: Consume less food, with less	Controls characteris tics  N=45 children identified from the district		wt- for- heigh t	473	163	473	109	0	0.99	-21.0	Deprivation	0.5	90% for both groups  1.5 Participants and non-participants are compared to establish their similarities or differences: Not covered
variety have been weaned significantly later and show an immature feeding pattern,	health child computer. Infant's age ranged between 7 and 33 months.		Energ y intak e base d on predi cted wt	444	155	482	101	-37.7	0.2	-54.5	Deprivation	0.06	1.6 Cases are clearly defined and differentiated from controls: Well covered  1.7 It is clearly established that controls are not
has higher rates of early feeding			Feeding	histo	ry of	childre	<u>en wi</u>	th failure to t	thrive				cases: Well covered
difficulty as well as less current interest in food.				C a s e s		Co ntr ols							1.8 Measures were taken to prevent knowledge of primary exposure
Source of funding  Not reported				N	% tot al	No.	% tot	Statistical significan ce of differenc e P=		Adjusted OR	Statistical significanc e of difference P=	Other variable s in model	from influencing case ascertainment: Not applicable  1.9 Exposure status is measured

Study details	Participan ts	Assessment/ methods	Outcomes	an	d res	ults							Comments
			Infancy feeding problem s	1 3	30	5	11	0.03	3.35	2	0.26	Breast- fed	in a standard, valid and reliable way: Adequately addressed Confounding factors
			All meals mostly:										potential confounders are identified and taken into account in the design and analysis: Well
			Hungry	1	42	39	87	<0.001	0.12	0.13	<0.001	Breast- fed	covered Statistical analysis
			Eats all	1	42	29	64	0.033	0.4	-	-	None	1.11 Have confidence intervals been provided?: Not
			Child enjoys	3	72	39	87	0.13	0.43	-	-	None	addressed  1.12 Overall assessment of internal validity. Are
			Mother enjoys	2	56	32	71	0.05	0.43	0.47	0.12	Breast- fed	the study results internally valid?:++ All or most of the checklist criteria have been fulfilled, where they have
			Drinks from beaker	1 8	45	31	72	0.012	0.32	0.36	0.042	Breast- fed	not been fulfilled the conclusions are very unlikely to alter
													Section 2: Overall assessment of external validity.

Study details	Participan ts	Assessment/ methods	Outcomes and re	eulte				Comments			
Otday dotains	U	Assessment methods	outomics and re	SuitS				Are the study results externally valid (i.e. generalisable to the source population)?: ++			
Full citation	Inclusion	Assessment/methods	Outcomes and re	sults				Limitations			
Heptinstall,	criteria	For nutrition and mealtime reports, mothers were	Energy and protein	n intake of case	and compariso	on groups		Appendix E Methodology			
E., Puckering, C., Skuse, D., Start, K., Zur-	Case selection criteria	asked to keep a food diary for a minimum of 3		Cases	Controls	Statistical significance		checklist NICE manual: case-			
Szpiro, S., Dowdney, L.,	was that the child	days. Aditionally, direct observations were made		Mean ± SD	Mean ± SD	t	P	control studies			
Nutrition and mealtime behaviour in	must be below the 10th	during a mealtime with all	during a mealtime with all the family members of the	the family members of the child present (whenever	the family members of the child present (whenever	Reported Daily Energy Intake (Kcal)	1388 ± 356	1424 ± 323	0.34	n.s	Section 1: Internal validity
families of growth- retarded children,	population centile for height and weight at 4	possible) eating the child's best meal (this was done on the assumption that a meal that was habitually	Reported Daily Energy Intake (Kcal/Kgm)	100 ±25	91 ± 21	2.78	<0.02	1.1 The study addresses an appropriate and clearly focused			
Human Nutrition - Applied Nutrition, 41, 390-402,	years on British Standard growth charts.	refused would be least representative of the child's food intake and behaviour).	Reported Daily Energy Intake as percentage of RDA (%)	85 ±22	88 ± 20	0.34	ns	question: Poorly addressed Selection of participants			
1987 <b>Ref Id</b> 454969	Additionall y, to allow for possible genetic contributio		Reported Daily Energy Intake as percentage of RDA (%)	110 ± 39	106 ± 35	0.39	ns	1.2 The cases and controls are taken from comparable populations: Adequately addressed			
Country where the	ns, their stature ha		Observed Meal (Kcal)	241 ± 113	199±97	1.27	ns	1.3 The same exclusion criteria			
study was carried out	to be under the 10th centile in relation to		Organization of far	mily mealtimes	and child's mea	altime behaviour: m	nother's reports	are used for both cases and controls: Not addressed			

Study details	Participan ts	Assessment/ methods	Outcomes and results					Comments
Study type  Case-control	mean parental height.			Case s	Comparison s	Statistical significance (Z)	Statistical significance (P)	1.4 What was the participation rate for each group (cases and
Aim of the study  To assess the	Exclusion criteria  For cases,		Meals taken without supervision	7	2	1.6	n.s	controls)?: Not reported  1.5 Participants
nutrition and mealtime behaviours in families of	those in whom organic disease		1 daily meal unpredictable	7	1	2.1	<0.05	and non- participants are compared to establish their
growth- retarded children in	may have accounted for growth		All meals unplanned	3	3	0.0	n.s	similarities or differences: Adec
comparison with those children with	retardation		Difficult child to feed	9	3	1.7	n.s	1.6 Cases are
normal weight gain.			Pressure on child to eat	19	13	1.0	n.s	differentiated fror controls: Poorly addressed
Source of unding	n= 23 four year-olds; 48% were		Angry confrontations	11	5	1.5	n.s	1.7 It is clearly established that
Bethlem Royal and Maudsley Hospitals	boys. Controls characteris tics		Parent-child communication	on (total	number of beh	naviours observed)	,	controls are not cases: Well covered Assessment
Research Endowment Fund	n= 23 four year-olds; 48% were		Behaviour category*		Cases (n=23) mean ± SD	Comparisons mean ± SD	Statistical significance P	1.8 Measures we taken to prevent
	boys.		Instructions		17 ±20	8±7	<0.02	knowledge of primary exposure
			Encouragements		2±3	1±2	n.s	from influencing
			Help		6±11	2±5	n.s	case ascertainment: N
			Positive affect (parenta	al)	2±2	2±2	n.s	applicable
			Negative affect (parent	al)	8±17	2±3	<0.01	1.9 Exposure
			Child's non-complianc total instructions)	e (% of	50±28	42±34	n.s	status is measure in a standard, val

Study dotails	Participan ts	Assessment/ methods	Outcomes and results	Comments
Study details	ıs	Assessment methods	Outcomes and results	way: Poorly addressed Confounding factors
				1.10 The main potential confounders are identified and taken into account in the design and analysis: Not addressed Statistical analysis
				1.11 Have confidence intervals been provided?: Not addressed
				1.12 Overall assessment of internal validity. Are the study results internally valid?:- Few or no checklist criteria have been fulfilled and the conclusions are likely or very likely to alter
				Section 2: Overall assessment of external validity.
				Are the study results externally valid (i.e. generalisable to the

Study details	Participan ts	Assessment/ methods	Outcomes and	d results				Comments
Study details		Assessment/ methods	Outcomes and	d results				source population)?:+  Other information  Instructions: prompts to eat, instructions to use cutlery Encouragement: positively worded attempts to get the child to eat Help: feeding, cutting up food, rearranging food on the plate to facilitate eating Positive affect: a) praise; b) pats, hugs and kisses as a reward for eating Negative affect: a) threats; b) disapprovals;
Full citation	Inclusion	Assessment/methods	Outcomes and	d results				c)sarcasm; d)teases: e)aggression overall: Low Limitations
Kasese-Hara, M., Drewett, R., Wright, C., Sweetness preferences in	Not reported  Exclusion	Intakes of water were compared with intake of 0.2 M and 0.4 M sucrose. The drinks were made up in advance, and given in	Concentratio n	Intake (logeg) Cases Mean	(n=27) SD	Controls Mean	(n=26) SD	Appendix E Methodology checklist NICE manual: case— control studies
1-year-old children who fail to thrive,	criteria Cases	counterbalanced order, first water followed by 0.2M followed by 0.4 M	0.0 M	1.486	1.090	1.574	1.051	Section 1: Internal validity
Journal of	making	sucrose, each drink	0.2 M	1.843	1.533	2.266	1.287	validity

Otanda datalla	Participan	A	0	l					0		
Study details	ts	Assessment/ methods	Outcomes and	results	iir				Comments		
Reproductive and Infant Psychology,	early recovery	offered for 60 s with a 30 s interval between each; then 0.4 M sucrose	0.4 M	1.531	1	.552	1.805	1.306	1.1 The study addresses an appropriate and		
19, 253-257, 2001	Cases characteri	followed by 0.2 M followed by water, each				clearly focused question: Poorly					
Ref Id	stics N= 27	drink offered for 60 s with a 30 s interval between each. The same			addressed Selection of participants						
448550	children with failure	sequence was used for each child, and it was	Analysis of vari	Analysis of variance							
Country	to thrive as	impossible to know in		df	SS	MS	F	р	controls are taken		
where the study was carried out	identified by the conditional	advance how many cases would be available, making more elaborate	Between subjects	52					from comparable populations: Adequately addressed		
	weight	designs risky in practice.	Group	1	186.11	3.65	0.76	0.387			
UK Study type	criterion ('thrive index')	The drinks were offered in a feeder cup or in a bottle,	Subjects within	51	2.78				1.3 The same exclusion criteria are used for both		
	,	as the mother wished.	groups						cases and		
Case-control	Controls characteri	The 2 intake measures for	within subjects	106					controls: Not addressed		
Aim of the study	stics N= 26	water and each concentration of sucrose were summed. Intakes	Concentratio n	2	7.70	3.85	4.93	0.009	1.4 What was the participation rate		
To investigate the possibility	children with	were expressed as their natural logarithms to	Concentratio n x group	2	0.79	0.39	0.51	0.605	for each group (cases and		
that failure to thrive is associated with a reduced	normal growth chosen to be comparabl	normalize their distributions.	Concentratio n x subjects within groups	102	79.72				controls)?: Not reported  1.5 Participants and non-		
hedonic	e with		Total	158	277.1				participants are		
response to sweet tasted  Source of funding  Swedish International	cases on sex, age and geographic al location								compared to establish their similarities or differences: Adequ ately addressed  1.6 Cases are clearly defined and		
Development Agency and									differentiated from controls: Poorly		

Ctudy details	Participan ts	Assessment/ methods	Outcomes and results	Comments
Study details	ts	Assessment/ methods	Outcomes and results	Comments
the University of Zambia.				addressed  1.7 It is clearly established that controls are not cases: Well covered Assessment  1.8 Measures were taken to prevent knowledge of primary exposure from influencing case ascertainment: Not applicable  1.9 Exposure status is measured in a standard, valid and reliable way: Poorly addressed
				Confounding factors  1.10 The main potential confounders are identified and taken into account in the design and analysis: Not addressed Statistical analysis  1.11 Have confidence intervals been provided?: Not

Study details	Participan ts	Assessment/ methods	Outcomes and results				Comments
Otday details		ASSESSITE III III III III III III III III III	Outcomes and results				addressed 1.12 Overall assessment of internal validity. Are the study results internally valid?:- Few or no checklist criteria have been fulfilled and the conclusions are likely or very likely to alter  Section 2: Overall assessment of
							external validity.  Are the study results externally valid (i.e. generalisable to the source population)?: +
							overall: Low
Full citation	Inclusion criteria	Assessment/methods	Outcomes and results				Limitations
MacPhee, M.,		Children were matched in	Feeding Checklist for thriving a	nd NOFTT dyads	<u>s</u>		Appendix E
Schneider, J., A clinical tool	Not reported	age, sex and ethnicity and were videotaped from the				NOFFT	Methodology checklist NICE
for nonorganic failure-to-	Exclusion criteria	onset of feeding interactions with their mothers.		Thriving dyads(% Yes)	NOFFT Dyads(% yes)	Dyads(p value)	manual: case- control studies
thrive feeding	Not	Two raters, who were not	Caregiver items				
interactions, Journal of Pediatric	reported Cases	aware of the status of the dyads viewed (NOFTT vs. Thriving), independently	Positions baby so that eye contact is possible	73	42	0.047	Section 1: Internal validity
Nursing, 11,	characteris	viewed and scored 50	Frequently talks to baby	41	25	0.05	1.1 The study
29-39, 1996 Ref Id	tics N=24	infant-mother videotapes using the Feeding	Ignores infant's signals	18	38	0.003	addresses an appropriate and
409330	mother-	Checklist* and the	Infant items				clearly focused
Country/ies	child dyads	Chatoor Feeding Scale**	Gaze averts during feeding	18	50	0.025	question:

0. 1 1	Participan									
Study details	ts	Assessment/ methods	Outcomes and results							Comments
where the study was	(12 males) . Children		Arches away from food or caregiver	23	54			0.03		Adequately addressed
carried out USA Study type	with non organic failure to		*Only significant individual item space"	s are rep	ported for	each a	ssessmen	t tool "	because of	Selection of participants
Case-control Aim of the	thrive (NOFTT)		Chatoor feeding scale results for	1.2 The cases and controls are taken						
study To design a	were included.								NOFET	from comparable populations: Well
feeding interaction	NOFTT was				Thrivin dyads(%		NOFFT Dyads(%	6 yes)	NOFFT Dyads(p value)	covered
checklist to improve	defined as persistent								valuo,	1.3 The same exclusion criteria
observation and	decline or		Maternal							are used for both
documentatio	weight									Well covered
n of non- organic failure	gain since birth in the		Mother waits for infants to in interactions	nitiate	77		25		0.001	1.4 What was the
to thrive (NOFTT)	absence of organic		Mother shows pleasure tow	ard						participation rate for each group
feeding situations.	<u> </u>		infant in gaze, voice or smile		68		33		0.018	(cases and controls)?: Above
The 2 specific aims were: (a) to develop a	characteris tics N=22		Mother appears cheerful		68		25		0.003	90% for both groups
reliable and valid tool for use in busy	thriving mother- child dyads		Mother restricts infant move	ement						1.5 Participants and non- participants are
inpatient and outpatient settings and	(12 males).		Mother misses infant cues		0		17		0.45	compared to establish their similarities or
(b) to demonstrate the tool's			Mother controls feeding by overriding baby's cues		4.5		42		0.004	differences: Not addressed
usefulness in clinical										1.6 Cases are clearly defined and
practice. Source of	ource of nding nildren's		Infant							differentiated from controls: Well
funding Children's			Baby looks at mother	77		33		0.003	covered	
hospital Research										1.7 It is clearly established that

Study details	Participan ts	Assessment/ methods	Outcomes and results				Comments
Institute of Denver			Baby appears cheerful	64	21	0.003	controls are not cases: Well covered Assessme
			Infant vocalizes to mother	100	79	0.025	nt 1.8 Measures were
			*Only significant individual items are re space"	ported for each a	ssessment tool '	because of	1.8 Measures were taken to prevent knowledge of primary exposure from influencing case ascertainment: Not applicable  1.9 Exposure status is measured in a standard, valid and reliable way: Adequately addressed Confounding factors  1.10 The main potential confounders are identified and taken into account in the design and analysis: Not addressed Statistical analysis  1.11 Have confidence intervals been provided?: Not addressed  1.12 Overall assessment of

	Participan			
Study details	ts	Assessment/ methods	Outcomes and results	Comments
				internal validity. Are the study results internally valid?:+ Some of the checklist criteria have been fulfilled, where they have not been fulfilled, or not adequately described, the conclusions are unlikely to alter
				Section 2: Overall assessment of external validity.
				Are the study results externally valid (i.e. generalisable to the source population)?: +
				Overall: moderate
				Other information
				The main aim of this study was to develop a reliable and valid tool (the feeding checklist) for use in an outpatient setting.
				In order to develop and validate it, it was compared with the Chatoor Feeding Scale, which was selected

Study dotails	Participan	Assassment/methods	Outcomes and results	Commonts
Study details	Participants	Assessment/ methods	Outcomes and results	as a comparative instrument because of its specific application for NOFFT children and its coverage of different developmental stages.  The feeding Checklist* is a 25 items scale with caregiver and child subdivisions but not subscales.  There is not scoring system and the format is designed to highlight behaviours that warrant professional attention and intervention. Items in this scale reflect the caregiver's ability to respond to infant cues and the infants ability to provide clear signals
				The Chatoor Feeding Scale** contains 46 items that are arranged into caregiver and infant behaviour categories.

	Participan			
Study details	ts	Assessment/ methods	Outcomes and results	Comments

## **G.5**<sup>1</sup> Approaches in assessing feeding and eating

Study details	Participants	Assessment/method s	Compariso n	Outcomes and results				Comments
Full	Characteristic	Assessment/method	Compariso	Outcomes and results			Limitations	
citation	S	s	n					
\\/ \mi =  = 1 \	The		NInt	Feeding and eating behave	<u>/iour rated</u>	t ages	Methodological limitations	
Wright, C. M.,	The participants of	The authors of the study developed a	Not applicable		11	11-	10	assessed using the Critical Appraisal Skills Programme
Parkinson,	this study had	core pool of questions	арріісавіє				12 mo, &	(CASP 2006) Clinical Prediction
K. N.,	been part of	that prior research and			(n)	(n)	(n)	Rule Checklist
Drewett, R.	the Millennium	their own clinical		Appetite	71.7			
F., How	Infant Study.	practice suggested		Normal (very good)	(537)		48.4 (280)	A) Are the results of the study
does		might relate to failure		Borderline (good)	25.8		39.1 (226)	valid?
maternal	Basic	to thrive, and these			(193)		12.4 (72)	
and child	demographic	were included in every		very poor)	2.6 (19)			1. Is the CPR clearly defined? No
feeding behavior	information of the	age-relevant guestionnaire. The		Oromotor dysfunction	81.3	59.8		(definition of the multiple
relate to	participants	questions were		Normal (0)	(606)	(365)		parameters the families of the
weight gain	was collected	grouped in advance		Borderline (1)	13.4	30.8		study were assessed for have not
and failure	at recruitment	into various		High (>1)	(100) 5.3 (39)	(188) 9.3 (57)		been provided)
to thrive?	and parents	dimensions based on			5.5 (59)			0.71
Data from	then received	separate hypothesized		Avoidant eating		48.6		2. The population for which the
а	questionnaires	factors from which,		behaviour		(449)	24.7 (142)	rule was derived included an appropriate spectrum of patients?
prospectiv	at 6 weeks, 4,	when possible, a		Lo (0-1)		34.7 (320)	55.5 (319)	Yes
e birth	8 and 12	score was		Medium (2-5)		16.7	19.8 (114)	163
cohort,	months, when	constructed. These		High (>5)		(154)		3. Was the rule validated in a
Pediatrics,	they	were child factors		Barren I Con Pro-	00.4			different group of patients? Can't
117, 1262- 9, 2006	completed guestions	(appetite, oromotor dysfunction*, avoidant		Matenal feeding	80.1	73.4	00.0 (000)	tell
9, 2000	about feeding	eating behaviour) and		anxiety Normal (0)	(605) 16.8	(761) 23.9	68.9 (398) 21.8 (126)	
Ref Id	and other	maternal factors		Borderline (1)	(122)	(133)	9.3 (54)	4. Were the predictor variables
110110	issues as well	(feeding anxiety and		High (>1)	3.4 (23)	6.9 (29)	9.5 (54)	and the outcome evaluated in a
378707	as transcribing	response to food			0.1 (20)			blinded fashion? Can't tell (not
	routinely	refusal [RTFR]).		DTED		37.5		reported whether outcome `
Country/ie	collected			RTFR Low (0-3)		(224) 43.0	27.0 (147)	assessors or participants were
s where	weights.	*For oromotor		Medium (4-)		(527)	35.8 (195)	blinded to the study outcome)
the study		dysfunction, 3		High (>5)		19.4	37.1 (202)	
was	Participant's	questions were asked		1.1.9.1 (20)		(116)		<ol><li>Were the predictor variables</li></ol>
carried	weights were	only at 6 weeks, about				(110)		and the outcome evaluated in the

Study	D. 41.1	Assessment/method	Compariso						•
details out UK	Participants converted into standard deviations	the presence of chewing, sucking, and swallowing problems,	n	Outcomes and Predictors of		ring to 12	months_		Comments  whole sample selected initially?  Yes, slthough participatios rates varied across time (81% of
Aim of the study	scores compared with the UK growth reference	which on the author's previous research had discriminated between children with weight			%(n)	P (X2)	OR (logistic regressio n)	P (logistic regression)	participants returned questionnaires at 6 months and 63% of participants returned questionnaires at 12 months).
To study the influences of child and maternal	(1990). Overall weight gain and the prevalence of weight faltering were	faltering and controls, combined with whether mild feeds were reported to last > 35 minutes because clinical experience		Appetite rated at 6 wk Normal Borderline Low	4.1 (20) 5.6 (10) 5.6 (1)	0.4			<ul><li>6. Are the statistical methods used to construct and validate the rule clearly described? No</li><li>B) What are the results?</li></ul>
feeding behaviour on weight gain and failure to thrive in the first	examined. For each child, all available weights within 4 age ranges (1-2, 2-6, 6-9 and 9 to 18	suggested this would be important.  The appetite, oromotor dysfunction and maternal feeding anxiety variable		Appetite rated at 12 mo Normal Borderline Low	3.2 (9) 4.9 (11) 8.6 (6)	0.06			7. Can the performance of the rule be calculated? no  8. How precise was the estimate of the treatment effect? Can't tell
year of life.  Source of funding  Not reported	months) were identified and the average SD score per child for that time period calculated.	scores were skewed with a majority of subjects falling into 1 or 2 categories at 1 end of the distribution, so for most analyses, there were recorded into 3 categories:		Avoidant eating behaviour at 23 mo Normal Borderline Low	2.1 (3) 4.4 (14) 11.3 (6)	0.049			C) Will the results help locally? / Are the findings applicable to the scenario?  9. Would the prediction rule be reliable and the results
	Weight gain was assessed using the thrive index. Weight faltering was	"normal" comprising 50% to 80% children, borderline, and high or low as appropriate. The internal consistency of the avoidant eating		Maternal feeding anxiety 12 mo Normal Borderline Low	3.6 (14) 4.8 (6) 11.3 (6)	0.02			interpretable if used for your patient? Can't tell  10. Is the rule acceptable in your case? Yes (informative)  11. Would the results of the rule modify your decision about the
	defined, for any time interval, as conditional weight gain (TI) below the	behaviour score and the response to food refusal scored were tested using Cronbach's α.		RTFR at 8 mo Normal Borderline Low	2.8 (8) 4.8 (12) 3.0 (10)	0.016			management of the patient or the information you can give to him/her? Can't tell
	5th percentile								GLOBAL RATING FOR THIS STUDY:Low

Study		Assessment/method	Compariso							
details	Participants	s	n .	Outcomes	s and resu	Its				Comments
	in the cohort as a whole from birth to that age, and this was defined as			RTFR at mo Normal Borderlin Low	1.4 (2 3.1 (6)		05	1.0 2.25 5.72	0.3 0.014	
	sustained if weight faltering			Predictors	of sustain	ed weight	falte	ring during	the first year	
	was present in ≥2 of the 4 age bands.				%(n)	P (X2)		(logistic gression)	P (logistic regression)	
	A questionnaire at 6 weeks was returned for 749 (81%) infants, of whom 734			Appetit e rated at 6 wk Normal Borderli ne Low	2.8 (15 6.2 (12) 31.6 (6)	<0.001	1 1.8 10.		2<0.001	
	(985) had weights at mean (SD) ages 6.6 (0.83) weeks and 688 (92%) at 12.9 (1.5) months. Only 578 (63%) returned			Appetit e rated at 12 mo Normal Borderli ne Low	2.9 (8) 4.0 (9) 12.5 (9)	0.09	1 1.1 3.9		0.1 0.009	
	questionnaires at 12 months, but of these, 561 (97%) had weights around 6 weeks and 570 (99%) around 12 months. In total, 92 children (10%) showed weight faltering at some time and			Avoidan t eating behavio ur at 23 mo Normal Borderli ne Low	2.8 (11) 7.1 (9) 11.1 (6)	0.001				

Study		Assessment/method	Compariso	
details	Participants	S	n	Outcomes and results Comments
	sustained weight faltering ≥2 of the 4 age bands. Weight faltering was defined, for any time interval, as conditional			Matern al feeding anxiety 12 mo Normal Borderli ne Low 0.015
	weight gain (thrive index) below the 5th percentile in the cohort as a whole from			RTFR at 8 mo Normal Borderli ne 4.7 (12) 7.8 (9) 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.0041 0.0041
	birth to that age, and this was defined as sustained if weight faltering was present in ≥2 of the 4 age bands.			RTFR at 12 mo 4.9 (4) Normal Borderli ne Low 0.04
	The 5th percentile for weight gain varied from a fall of 0.9 weigh SDS (birth to 6 weeks) to 1.3 SDS (birth to 12 months).			Internal consistency of the avoidant eating behaviour score was Cronbach's $\alpha$ = 0.75 Internal consistency of the response to food refusal score was Cronbach's $\alpha$ = 0.38 at 8 months, 0.33 at 1 year
	Inclusion criteria  Not reported  Exclusion			

S	tudy		Assessment/method	Compariso		
d	etails	Participants	S	n	Outcomes and results	Comments
		criteria				
		Infants born				
		before 37				
		weeks'				
		gestation				
		J				

1

## **G.6**<sub>2</sub> Risk factors

Study details	Participants	Factors	Results	Comments
Full citation	Cases	Factors	Adjusted odds ratio	Limitations
Drewett, R., Blair, P., Emmett, P., Emond, A., Alspac Study Team, Failure to thrive in the term and preterm infants of mothers depressed in the postnatal period: a population- based birth cohort study, Journal of Child Psychology & Psychiatry & Allied Disciplines, 45, 359-66, 2004  Ref Id	Cases  N=12,391  Diagnostic criteria  Slowest-gaining 5% of weight from birth until 9m  Controls  Inclusion criteria  Children born in the Avon between April 1991 and 31 December 1992  Exclusion criteria  Infants born with a major congenital abnormality (i.e. Cerebral palsy, Down's syndrome, a cleft palate or congenital heart disease: n=89) and children born after term.  Statistical method  Logistic regression analyses adjusting for: weight gain over the first 9 months, ordinal position of the child in the family,	Postnatal depression as measured by the Edinburgh Postnatal Depression Scale (EPDS). The established cut-off was 12 (low cut-off), but a higher cut-off was also used (15).	Term births, postnatal depression at 8 weeks measured by EPDS (low and high EPDS cut-off): EPDS >12; X2 =.439, P=.51 EPDS >15; X2 =.030, P=.86  Term births, postnatal depression at 8 months measured by EPDS (low and high EPDS cut-off): EPDS >12; X2 =.020, P=.87 EPDS >15; X2 =.120, P=.729  Adjusted effect of depression over a more extended period; X2 =.1.71, P=.192  Preterm births, postnatal depression at 8 weeks measured by the EPDS (low and high EPDS cut-off): EPDS >12; X2 =.896, P=.344 EPDS >15; X2 =1.939, P=.164  Preterm births, postnatal depression at 8 months measured by EPDS (low and high EPDS cut-off): EPDS >12; X2 =1.744, P=.187 EPDS >15; X2 =3.87, P=.534  Adjusted effect of depression over a more extended period; X2 =.784, P=.376	Methodological limitations assessed using the Critical Appraisal Skills Programme (CASP 2006) Clinical Prediction Rule Checklist  A) Are the results of the study valid?  1. Is the CPR clearly defined? Yes  2. The population for which the rule was derived included an appropriate spectrum of patients? Yes  3. Was the rule validated in a different group of patients? Yes  4. Were the predictor variables and the outcome evaluated in a blinded fashion? Can't tell (not reported whether outcome assessors or participants were

Study details	Participants	Factors	Results	Comments
Country where the study was carried out  United Kingdom  Funding  Medical Research Council, the Wellcome Trust, UL government departments, medical charities and others.	Demographics  N=12,391 children included, n=11718 were born at term (37-42 weeks) and n=673 were born preterm (<37 weeks); n=587 were identified as failure to thrive, of whom 531 were born at term and 56 were born preterm.			5. Were the predictor variables and the outcome evaluated in the whole sample selected initially? Yes  6. Are the statistical methods used to construct and validate the rule clearly described? Yes  B) What are the results?  7. Can the performance of the rule be calculated? Yes  8. How precise was the estimate of the treatment effect? Rule was precise  C) Will the results help locally? / Are the findings applicable to the scenario?  9. Would the prediction rule be reliable and the results interpretable if used for your patient? Yes  10. Is the rule acceptable in your case? Yes  11. Would the results of the rule modify your decision about the management of the patient or the information you can give to him/her? No (the EPDS is a screening questionnaire, thus even is the results are indicative of depression, the management of the patient will not change straightaway, but will lead to an appropriate referral)

Study details	Participants	Factors	Results	Comments
				GLOBAL RATING FOR THIS STUDY: Moderate
Full citation Blair, P. S.,	<u>Cases</u> N= 11718	Factors  Social class	Adjusted odds ratio  Social class, OR (95% CI)	Methodological limitations assessed using the Critical Appraisal Skills Programme
Drewett, R. F., Emmett, P. M., Ness, A., Emond, A. M., Family,	Diagnostic criteria Infants whose weight gain was below the 5th centile	(registrar general's occupational coding of parents	Birth to 6-8 weeks = 1.11 (0.87, 1.42) 6-8 weeks to 9 months = 1.03 (0.79, 1.32) Birth to 9 months = 1.21 (0.96, 1.54) Parental education, OR (95% CI)	(CASP 2006) Clinical Prediction Rule Checklist  A) Are the results of the study
socioeconomic and prenatal factors associated with	Controls Inclusion criteria	[most skilled occupation taken], III is skilled	Birth to 6-8 weeks = 1.04 (0.82, 1.32) 6-8 weeks to 9 months = 1.09 (0.86, 1.39) Birth to 9 months = 1.15 (0.92, 1.45)	valid?  1. Is the CPR clearly defined? No (the patients have been
failure to thrive in the Avon Longitudinal Study of Parents	Not reported <u>Exclusion criteria</u>	manual work, IV is semi- skilled, and V is unskilled	Maternal smoking (1st semester), OR (95% CI) Birth to 6-8 weeks = 1.06 (0.85, 1.31) 6-8 weeks to 9 months = 0.81 (0.64, 1.03) Birth to 9 months = 0.96 (0.77, 1.20)	clearly defined, however the variables included in the CPR have not been defined)
and Children (ALSPAC), International Journal of Epidemiology,	Not reported  Statistical method  Normal distributions were described	Parental education	Maternal smoking (2nd semester), OR (95% CI) Birth to 6-8 weeks = 1.04 (0.82, 1.31) 6-8 weeks to 9 months = 0.83 (0.64, 1.08) Birth to 9 months = 0.92 (0.72, 1.17)	2. The population for which the rule was derived included an appropriate spectrum of patients? Yes
33, 839-47, 2004 Ref Id	using the mean and standard deviation and other distributions using medians and inter-quartile ranges. Odds ratios, 95% CI, and p-values (all quoted as two-sided) were quoted for both the	(<'0' level)  Maternal smoking (1st, 3rd semester	Alcohol consumption, OR (95% CI) Birth to 6-8 weeks = 1.16 (0.68, 1.93) 6-8 weeks to 9 months = 0.89 (0.48, 1.62) Birth to 9 months = 1.11 (0.65, 1.88)	3. Was the rule validated in a different group of patients?No (the rule consisted of postal questionnaires)
408514  Country where	univariable and multivariable analyses. Correlation was calculated as Pearson's for normal data and Spearman's p for	) Alcohol	Illegal drugs taken, OR (95% CI) and p value Birth to 6-8 weeks = 2.30 (1.39, 3.75) p<0.001	4. Were the predictor variables and the outcome evaluated in a
the study was carried out	ordinal data. CI for single proportions were calculated using Wilson's method. In the univariable analysis differences	consumption (>7 units/wk)	6-8 weeks to 9 months = 1.02 (0.49, 2.07) Birth to 9 months = 1.41 (0.76, 2.56)	blinded fashion? Can't tell (not reported whether outcome assessors or participants were
United Kingdom  Study type	were evaluated using the X2 test with Yate's continuity correction (or Fisher's exact test when an expected count cell	Illegal drugs taken	Mother dieting, OR (95% CI) Birth to 6-8 weeks = 1.45 (0.85, 2.44) 6-8 weeks to 9 months = 1.06 (0.56, 1.96)	<ul><li>blinded to the study outcome)</li><li>5. Were the predictor variables</li></ul>
Cohort study	was less than 5).	(includes cannabis,	Birth to 9 months = 1.43 (0.84, 2.41)	and the outcome evaluated in

Study details	Participants	Factors	Results	Comments
Study dates  Not reported  Funding  Wellcome Trust, MRC, the Department of the Environment, Department of Health, MAFF, British Gas, and other companies. This analysis has been supported by the Wellcome Trust.	Demographics  "Avon has a predominantly white population with a mixture of urban and rural communities and a socioeconomic mix similar to the rest of the UK".	amphetamin es, barbiturates, LSD, cocaine, ecstasy, heroin, methadone, and other narcotics)  Mother vegetarian  Mother dieting	Mother vegetarian, OR (95% CI) Birth to 6-8 weeks = 1.32 (0.90, 1.94) 6-8 weeks to 9 months = 0.98 (0.62, 1.53) Birth to 9 months = 1.09 (0.72, 1.65)	the whole sample selected initially? Yes  6. Are the statistical methods used to construct and validate the rule clearly described? No (reliability of the rule not considered)  B) What are the results?  7. Can the performance of the rule be calculated? No  8. How precise was the estimate of the treatment effect? Rule was not precise  C) Will the results help locally? / Are the findings applicable to the scenario?  9. Would the prediction rule be reliable and the results interpretable if used for your patient? No (they would be informative at best)  10. Is the rule acceptable in your case? No  11. Would the results of the rule modify your decision about the management of the patient or the information you can give to him/her? No  GLOBAL RATING FOR THIS PAPER: Low

Study details	Participants	Factors	Results	Comments
Full citation	Cases	Factors	Adjusted odds ratio	Limitations
· un onunon	<u> </u>	. 40.0.0	Augustica Gaus Faits	
Bocca-	N=1123	Small for	SGA, adjusted, OR (95% CI), p-value	Methodological limitations
Tjeertes,I.F., Kerstjens,J.M.,	Diagnostic criteria	gestational age		assessed using the Critical Appraisal Skills Programme
Reijneveld,S.A.,	Diagnostio ontona	ugo	Height at 4 years less than -2 SDs, OR (95% CI), p-	(CASP 2006) Clinical Prediction
de Winter,A.F.,	>2SD scores below the median growth	Maternal	value= 7.7 (2.9-20.4) p<.01	Rule Checklist
Bos,A.F., Growth and	of the Dutch population	educational level	Weight at 4 years less than -2 SDs, OR (95% CI), p-value = 9.3 (3.9 -23.1) p<.01	A) Are the results of the study
predictors of	Controls	icvei	value = 3.0 (0.0 20.1) p<.01	valid?
growth restraint			Maternal educational level, unadjusted, OR (95% CI), p-	
in moderately preterm children	Inclusion criteria		value	<ol> <li>Is the CPR clearly defined?</li> <li>Yes</li> </ol>
aged 0 to 4	Children born moderately prematurely		Height at 4 y less than -2 SDs = 1.6 [0.9-2.9], NS	100
years,	(GA: 32-35 6/7 weeks)		Weight at 4 y less than 2 SDs = 1.0 [0.5-1.9], NS	2. The population for which the
Pediatrics, 128, e1187-e1194,	Exclusion criteria		Head circumference at 1 y less than -2SDs, Crude OR (95% CI) = 5.3 (1.4-20.6), P<.05	rule was derived included an appropriate spectrum of
2011	ZAGIGGIGII GIIIGIIG		(0070 01) = 0.0 (1.1 20.0), 1 4.00	patients? Yes
Ref Id	Children with major congenital malformations and syndromes (those		Maternal education, adjusted, OR (95% CI), p-value	
Rei iu	with neurologic abnormalities were			3. Was the rule validated in a
235507	allowed)		Head circumference at 1 y less than -2SDs, Crude OR	different group of patients? Yes
Country/ies	Statistical method		(95% CI) = 5.3 (1.4-20.6), P<.01	4. Were the predictor variables
where the	Otatistical metriou		Mother smoking during pregnancy, unadjusted, OR (95%	and the outcome evaluated in a
study was	Multivariate (stepwise backward) logistic		CI), p-value	blinded fashion? Can't tell (data
carried out	regression was used to assess the potential predictors of growth restrain.		1-5 cigarettes per day	on SGA was obstained from medical records, however data
The Netherlands	Factors adjusted for were: Gestational		Height at 4 y less than -2 SDs = 0.9 [0.3-2.7], NS	on smoking habits and paternal
0. 1.	age, ethnicity ,maternal education level		Weight at 4 y less than 2 SDs = 1.4 [0.5-3.6], NS	education were obtained
Study type	(low versus moderate/high) ,family income (low versus moderate/high)		Head circumference at 1 y less than -2SDs, Crude OR (95% CI)= 1.3 (0.2-10.4), NS	through questionnaires)
Prospective	,smoking during pregnancy (categorical)			5. Were the predictor variables
cohort	,in vitro fertilization/intracytoplasmic		6-10 cigarettes per day Height at 4 y less than -2 SDs = 0.6 [0.2-2.7], NS	and the outcome evaluated in
Study dates	sperm injection (no versus yes) ,gender ,being part of a multiple ( singletons		Weight at 4 y less than -2 SDs = 0.6 [0.2-2.7], NS	the whole sample selected initially? Yes
•	versus twins and versus		Head circumference at 1 y less than -2SDs, Crude OR	
Consecutive recruitment	triplets/quadruplets) ,breastfeeding during the first months of life (no versus		(95% CI) = 1.8 (0.2-14.6) >10 cigarettes per day	<ol><li>Are the statistical methods used to construct and validate</li></ol>
recruitinent	yes).		Height at 4 y less than -2 SDs = 1.5 [0.5-4.4], NS	the rule clearly described? Yes
Funding	• •		Weight at 4 y less than 2 SDs = 1.8 [0.6-5.2], NS	•
	Demographics		Head circumference at 1 y less than -2SDs, Crude OR	B) What are the results?

Study details	Participants	Factors	Results	Comments
Research foundation of the Beatrix Children's Hospital, the Cornelia Foundation for the Handicapped Child, the A. Bulk-Child Preventive Child Health Care research fund, the Dutch Brain Foundation, and unrestricted investigator-initiated research grants from FrieslandCampina, Friso Infant Nutrition, and Pfizer Europe.	57% (n=637) of the total sample were boys.  Of the total sample, 11.7% (n=131) had a GA=32wk; 20.4% (n=229) had a GA=33wk; 27.4% (n=308) had a GA=34 wk; 40.5% (n=455) had a GA=35wk. 7% (n=79) were from a low family income and 91.4% (n=1026) were from a moderate/high family income 92% (N=1033) had Dutch origin and the remaining were ex-colonial, Turkish, Moroccan, Asian, African or other ethnicity.		(95% CI)=2.1 (0.3-17.4), NS	7. Can the performance of the rule be calculated? n/a (continuos outcomes)  8. How precise was the estimate of the treatment effect? Rule was precise, although subject to recall bias (for the outcome 'smoking during pregnancy')  C) Will the results help locally? / Are the findings applicable to the scenario?  9. Would the prediction rule be reliable and the results interpretable if used for your patient? Yes  10. Is the rule acceptable in your case? Yes  11. Would the results of the rule modify your decision about the management of the patient or the information you can give to him/her? Can't tell  GLOBAL RATING OF THE PAPER: Moderate
Full citation  Karp, R. J., Scholl, T. O., Decker, E., Ebert, E., Growth of abused children. Contrasted with	Cases  N= 53 (27%) Diagnostic criteria *see "other information" section below  Controls  N= 143 (73%)	Factors  Child abuse (including chronic mistreatment and neglect, all children had been	Adjusted odds ratio  Abused children (%) vs non-abused (%); OR [95% CI], p-value for wasting and stunting: Stunting (Low wgt/hgt ) (16.3% vs. 0.7%);16.6 [1.9-145.0], p<0.05  Wasting (Low hgt/age) (11.6% vs. 5.6%); 2.2 [0.61-7.9],NS	Limitations Methodological limitations assessed using the Critical Appraisal Skills Programme (CASP 2006) Clinical Prediction Rule Checklist  A) Are the results of the study valid?

Study details	Participants	Factors	Results	Comments
the non-abused in an urban poor community,	Inclusion criteria	harmed physically by a parent or		1. Is the CPR clearly defined? No
Clinical Pediatrics, 28, 317-20, 1989	Not reported  Exclusion criteria	other responsible adult)		The population for which the rule was derived included an appropriate spectrum of
<b>Ref Id</b> 435639	Not reported  Statistical method			patients? No (patients were referred from a source)
Country/ies where the	Multiple logistic regression analyses using a maximum likelihood solution			3. Was the rule validated in a different group of patients? No
study was carried out	was utilized. Odds ratios and their 95 percent confidence intervals were calculated from the regression			4. Were the predictor variables and the outcome evaluated in a blinded fashion? Can't tell (not
United States Study type	coefficients and the covariance matrices. Separate logistic regressions were computed for wasting and for			reported whether outcome assessors or participants were blinded to the study outcome)
Cross sectional Funding	stunting. Comparisons were made of differences between abused and non-abused children.			5. Were the predictor variables and the outcome evaluated in the whole sample selected
Partly supported	Demographics			initially? Yes  6. Are the statistical methods
by UMDNJ Foundation	Abused children: n=19 (35.8%) were male; n=17 (33.4%) were between 2 and 3.9 years old and 34 (66.7%) were between 4 and 5.9 years old; n=45			used to construct and validate the rule clearly described? No
	(86.5%) were black, n=2 (3.8%) were white and n=5 (9.6%) were Hispanic.			B) What are the results?
	Non-abused children: n=70 (49%) were male; n=80 (56%) were been 2 and			7. Can the performance of the rule be calculated? No
	3.9 years old and n=63 (44.1%) were between 4 and 5.9 years old; n=83 (59.3%) were black, n=5 (3.6%) were white and n=52 (37.1%) were Hispanic.			8. How precise was the estimate of the treatment effect? Rule was not precise
	wille and H=32 (31.170) were Hispanic.			C) Will the results help locally? / Are the findings applicable to the scenario?
				9. Would the prediction rule be

Study details	Participants	Factors	Results	Comments
	. u. nopulio			reliable and the results interpretable if used for your patient? No  10. Is the rule acceptable in your case? No  11. Would the results of the rule modify your decision about the management of the patient or the information you can give to him/her? No  GLOBAL RATING OF THE PAPER: Low  Other information  *Definition of FTT: Height x age x sex < 5th percentile (stunting), weight x height x sex below the 5th percentile (wasting or underweight)
Full citation  Wright, C. M., Parkinson, K. N., Drewett, R. F., The influence of maternal socioeconomic and emotional factors on infant weight gain and weight faltering (failure to thrive): data from a prospective birth cohort, Archives of Disease in Childhood, 91,	Cases n=92  Diagnostic criteria See "other comments" section below  Controls n=923 Inclusion criteria Not reported  Exclusion criteria Infants born before 37 weeks gestation	Interaction between deprivation, weight gain and postnatal depression.	Adjusted odds ratio  Socioeconomic factors: Maternal, paternal education association with weight gain =NS Deprivation (Townsend score) association with thrive index (birth to 6 weeks) = p 0.005  Postnatal depression At 4 months, in deprived groups, depression (EPDS>12) was associated with lower TI At 4 months, in more affluent groups, depression (EPDS>12) was not associated with TI	Limitations Methodological limitations assessed using the Critical Appraisal Skills Programme (CASP 2006) Clinical Prediction Rule Checklist  A) Are the results of the study valid?  1. Is the CPR clearly defined? Yes  2. The population for which the rule was derived included an appropriate spectrum of patients? Yes  3. Was the rule validated in a

Study details	Participants	Factors	Results	Comments
312-7, 2006	Statistical method			different group of patients? Yes
Ref Id	Categorical data were analysed using X2 and X2 for trend. Weight gain			4. Were the predictor variables and the outcome evaluated in a
378708	outcomes (Thrive Index) were assessed using ANOVA with a linear contrast and			blinded fashion? Can't tell (not reported whether outcome
Country/ies where the	multiple linear regression. Multivariate models were usually constructed by			assessors or participants were blinded to the study outcome)
study was	entering all predictor variables with			,
carried out	significant (p<0.05) univariate associations. To explore the relation			<ol><li>Were the predictor variables and the outcome evaluated in</li></ol>
United Kingdom	between postnatal depression, deprivation and weight gain, and			the whole sample selected initially? Yes
Study type	interaction term (raised/normal EPDS x			G. Are the statistical methods
Prospective	Townsend score quintile) was included in the model; to explore the non-linear			<ol><li>6. Are the statistical methods used to construct and validate</li></ol>
cohort	relation between deprivation and weight			the rule clearly described? No
Study dates	gain, a quadratic term (Townsend score quintile2) was used.			B) What are the results?
Between June 1999 and May	Demographics			7. Can the performance of the rule be calculated? No
2000	Of the n=93 infants with weight faltering, all but 7 (0.8%) were of white British			8. How precise was the
Funding	origin. In total, 92 children (10%) showed weight faltering at some time			estimate of the treatment effect? Rule was not precise
Not reported	and 36 (4%) had sustained weight faltering in two or more of the four age bands. Of these, 22 were still faltering at 12 months, 10 had recovered, and 4 were lost to follow up.			C) Will the results help locally? / Are the findings applicable to the scenario?
	were lost to follow up.			<ol> <li>Would the prediction rule be reliable and the results interpretable if used for your patient? No</li> </ol>
				10. Is the rule acceptable in your case? Yes
				11. Would the results of the rule modify your decision about the management of the patient or the information you can give to

Study details	Participants	Factors	Results	Comments
				him/her? No
				GLOBAL RATING OF THE PAPER: Low
				Other information
				Definition for weight faltering: For any time interval, weight gain (TI) below the 5th centile for than interval
				Thrive index (TI): is a measure of change in weight SD over time, conditional on initial weight, to allow for regression to the mean. The TI compares a child's actual weight SDS to their expected weight SDS.
Full citation	<u>Cases</u>	Factors	Adjusted odds ratio	Limitations
O'Brien, L. M., Heycock, E. G., Hanna, M., Jones, P. W., Cox, J. L., Postnatal depression and faltering growth: a community study, Pediatrics, 113, 1242-7, 2004 Ref Id	n=135 Diagnostic criteria *see other information section below  Controls  n=567 Inclusion criteria  Not reported  Exclusion criteria  Child who were born prematurely, were small for gestational age or children whose mothers did not know English.	Postnatal depression as measured by the Edinburgh Postnatal Depression Scale (EPDS) Anxiety as measured by the Hospital Anxiety and Depression Scale (HADS)	Total % score of the questionnaires results in index and control groups, OR [95%CI] and p-values of the screening questionnaires for Index and Control mothers EPDS $\geq 9$ , (32.7% index vs.21.5% control) = 1.71 [1.16-2.53], p $\leq$ 0.01 EPDS $\geq$ 13, (14.8% index vs. 7.8% control) = 1.96 [1.13-3.38], p $\leq$ 0.02 Anxiety subscale of HADS $\geq$ 8, (24% index vs. 12.9% control) = 2.08 [1.33-3.25] p $\leq$ 0.01 No. of women scoring EPDS $\geq$ 9 or anxiety subscale of HADS $\geq$ 8, (35.2% index vs. 23.6% control) = 1.74 [1.19-2.54], p $=$ 0.01	Methodological limitations assessed using the Critical Appraisal Skills Programme (CASP 2006) Clinical Prediction Rule Checklist  A) Are the results of the study valid?  1. Is the CPR clearly defined? Yes  2. The population for which the rule was derived included an appropriate spectrum of patients? No (patients were referred from a source)
Country/ies where the study was carried out	Statistical method.  Logistic regression with index/control as the dependent variable, was used to			Was the rule validated in a different group of patients? Yes

Study details	Participants	Factors	Results	Comments
Jnited Kingdom	correct the P-value for the association of depression and faltering growth for variables that showed significant			4. Were the predictor variables and the outcome evaluated in a blinded fashion? Can't tell
Study type Prospective cohort Study dates Not reported Funding Study supported by the Locally Organised Research Scheme (West Midlands, UK)				5. Were the predictor variables and the outcome evaluated in the whole sample selected initially? Yes  6. Are the statistical methods used to construct and validate the rule clearly described? Yes  B) What are the results?  7. Can the performance of the rule be calculated? No  8. How precise was the estimate of the treatment effect? Rule was not precise  C) Will the results help locally? / Are the findings applicable to the scenario?  9. Would the prediction rule be reliable and the results interpretable if used for your patient? Yes  10. Is the rule acceptable in your case? Yes  11. Would the results of the rule modify your decision about the management of the patient or the information you can give to him/her? No  GLOBAL RATING OF THE

Study details	Participants				Factors	Results					Comments		
													*Diagnostic criteria for FTT; a fall across 2 centile channels or a fall beneath the second centile on standardized growth charts for at least 3 months (to exclude weight loss secondary to an acute illness)
Full citation	Sample size				Factors	Adjusted odds ratio					Limitations		
Emond, A., Drewett, R., Blair, P.,	N= 495 to 528 cases (depending on the time when measurements were taken) Characteristics					Weight data were extracted	Multivariate model of poor weight gain from birth to 8 weeks					Methodological limitations assessed using the Critical Appraisal Skills Programme	
Emmett, P., Postnatal factors associated with		to 8	to 8	week	8 weeks to 9	from the Avon Child Health			Case (n, %)	Control (n, %)	OR (95% CI)	p value	(CASP 2006) Clinical Prediction Rule Checklist
failure to thrive in term infants in		week s	week s		month s	Computer system,							A) Are the results of the study valid?
the Avon Longitudinal Study of Parents and Children,	n	528	1190 0	495	11223	using measuremen ts made as part of the	Infant problem s (non- referenc	Yes	151/503 , 30%		2.20 (1.7 4 to 2.78)		1. Is the CPR clearly defined? Yes
Archives of Disease in Childhood, 92,	(g)	56 (49- 62)	(46-	(3000-	3460 (3160- 3770)	local pre- school child health	e group)						2. The population for which the rule was derived included an appropriate spectrum of
115-9, 2007	(IQR)	02)	00)	3000)	3770)	surveillance programme.	Weak						patients? Yes
<b>Ref Id</b> 378265			0.07 (1.00	0.02 (1.01)	0.07	Measuremen ts were taken at birth, at 8	sucking at 4 weeks	Yes			1.52 (1.16 to 2.00)	0.003	3. Was the rule validated in a different group of patients? No
Country/ies	Mean (SD)	)	)	(1.01)	(1.00)	weeks (range 1-3							4. Were the predictor variables and the outcome evaluated in a
where the study was carried out	Weight z score at 8 weeks	-1.55	0.10 (0.92	-0.17 (1.02)	0.04 (0.97)	months) and at 9 months (range 6-12 months). All	Difficult to feed at 4 weeks	Minor illnes s		3467/1119 0, 31%	1.43 (1.15 to 1.78)	0.001	<ul><li>blinded fashion? Can't tell</li><li>5. Were the predictor variables and the outcome evaluated in</li></ul>
UK Study type	Mean (SD)					weights were standardized to z scores adjusting for						the whole sample selected initially? Yes  6. Are the statistical methods	

Study details	Participants	Factors	Results	Comments
Study details Prospective cohort study  Aim of the study  To assess the contribution of postnatal factors to failure to thrive in infancy  Study dates  Between April 1991 and 31 December 1992  Source of funding  Wellcome trust, London.	Weight z score at 9	differences in sex and age (gestational age in weeks for weight at birth and infant age in weeks for subsequent weights). Growth was assessed by calculating the difference z scores between two time points and adjusting for regression towards the mean using correlates provided by the British 1990 Growth Reference.	Infant health up to 8 weeks   Quite ill or very ill   27/528, 5.1%   268/11190, 2.4%   2.08 (1.31 to 3.31)   0.002	used to construct and validate the rule clearly described? No  B) What are the results?  7. Can the performance of the rule be calculated? No  8. How precise was the estimate of the treatment effect? Not precise  C) Will the results help locally? / Are the findings applicable to the scenario?  9. Would the prediction rule be reliable and the results interpretable if used for your patient? Can't tell (would be informative, but not completely reliable)  10. Is the rule acceptable in your case? No  11. Would the results of the rule modify your decision about the management of the patient or the information you can give to him/her? Can't tell  GLOBAL RATING OF THE PAPER: Low
Full citation	Cases	Factors	Adjusted odds ratio	Limitations
Kelleher, K. J., Casey, P. H., Bradley, R. H., Pope, S. K., Whiteside, L., Barrett, K. W.,	n=180 Diagnostic criteria *see "other information" section below Controls	-Maternal education -Small for gestational age -Abnormal or	Characteristics at Infant's Birth and relative risk ratios [95% CI], p-value Small for gestational age= 2.62 [1.72,3.98], p<0.05 Maternal education= Some college = 1.00 < High school = 1.52 [0.86,2.69], NS	Methodological limitations assessed using the Critical Appraisal Skills Programme (CASP 2006) Clinical Prediction Rule Checklist

Study details	Participants	Factors	Results	Comments
Swanson, M. E.,	n=591	suspect	High School Graduate = 1.51 [0.87,2.63], NS	A) Are the results of the study
Kirby, R. S.,		neurological	≥ College graduate = 2.12 [1.09,4.13], NS	valid?
Risk factors and	Inclusion criteria	exam	Abnormal or suspect neurological exam = 1.82	
outcomes for			[1.21,2.75], P < 0.05	1. Is the CPR clearly defined?
failure to thrive	Not reported			Yes
in low birth	Fundament and and			0.7
weight preterm	Exclusion criteria			2. The population for which the
infants.[Erratum	Infanta who lived autoide of the			rule was derived included an
appears in Pediatrics 1993	Infants who lived outside of the			appropriate spectrum of patients? Yes
Jul;92(1):190],	catchment area or who were discharged outside the recruitment time period,			patients? res
Pediatrics, 91,	infants who exceeded 37 weeks GCA,			3. Was the rule validated in a
941-8, 1993	infants who died within the first 48 hours			different group of patients? No
5 <del>+</del> 1 0, 1555	of life. Triplets, quadruplets, and the twin			(the study includes the criteria
Ref Id	of an ineligible child, and only one of			used for SGA, maternal
	each pair of eligible twins was included			education for nor for abnormal
377887	in analyses.			or suspect neurological exam)
	Maternal exclusions included maternal			,
Country/ies	drug or alcohol abuse, inability to			4. Were the predictor variables
where the	communicate adequately in English, and			and the outcome evaluated in a
study was	maternal report of psychiatric			blinded fashion? Can't tell
carried out	hospitalization.			
	Infant medical exclusions included			5. Were the predictor variables
United States	hospitalization longer than 60 days after			and the outcome evaluated in
	40 weeks GCA, oxygen support for			the whole sample selected
Study type	more than 90 days, severe neurologic			initially? Yes (exclusions and
0	abnormality, severe sensory deficit or			drop-outs have been described
3-year	chromosome-multiple anomaly			and accounted for)
prospective cohort study	syndrome.			6. Are the statistical methods
Conon Study	Statistical method			used to construct and validate
Funding	Statistical metriou			the rule clearly described? No
rananig	Multivariate logistic regression, fitted by			the rule clearly decombed. No
The Infant	the method of maximum likelihood, was			B) What are the results?
Health and	calculated to evaluate the effect of			
Development	perinatal predictor variables on FTT			7. Can the performance of the
Program is	while controlling for the effects of the			rule be calculated? No
supported by	other variables in the model. Stepwise			
grants to the	logistic regression analysis was used to			8. How precise was the
Department of	assist in the selection of variables for			estimate of the treatment
Pediatrics,	the multivariate model.			effect? Can't tell (criteria for
Stanford	Demographics			'suspect neurological exam'
University; The	FTT: 52.2% were male, 31.1% had			was not reported)

Study details Participants	Factors	Results	Comments
Frank Porter Graham Child Development Center, University of North Carolina; and the eight participating universities by the Robert Wood Johnson Foundation. Additional support was provided by the Department of Pediatrics, Stanford University, from the Pew Charitable Trusts; the Bureau of Maternal and Child Health and Resources Development, Health Resources Services Administration, United States Public Health Service, Department of Health and Human Services; and the Stanford Canter for the Study of Families,	ad	Results	C) Will the results help locally? / Are the findings applicable to the scenario?  9. Would the prediction rule be reliable and the results interpretable if used for your patient? Can't tell  10. Is the rule acceptable in your case? Can't tell  11. Would the results of the rule modify your decision about the management of the patient or the information you can give to him/her? Can't tell  GLOBAL RATING OF THE PAPER: Low  Other information  Some of the children included in this study presented with chronic, disabling conditions. Distributions are as follows: FTT (n=180): 16 children presented with crebral palsy, n=25 children presented with congenital heart disease Non-FTT (n=591): 27 children presented with crebral palsy, n=57 presented with bronchopulmonary dysplasia and n=8 presented with congenital heart disease  *Diagnostic criteria of FTT:

Study details	Participants	Factors	Results	Comments
Youth.				lower than average growth velocity to meet criteria. Cases included infants meeting all 3 criteria listed below between 4 and 36 month gestation-corrected age (GCA): a) who were coded by the developmental clinician during a health assessment as having FTT (infants below the 5th percentile for gestational corrected age on the National Centre for Health Statistics growth grids, and if his/her growth status put him below that recorded at the last regular assessment visit); b) hose weight was less than the 5th percentile for CGA at 2 or more points in time and; c) whose rate of weight growth during the preceding months was less than average for gender and CGA as determined by incremental (velocity) growth curves. Additionally, infants who were not coded by the developmental clinician as having FTT but met criteria b) and c) at 2 or more points in time between 4 and 36 months GCA, and blinded reviews of their growth curves by 2 developmental paediatricians led to a consensus of FTT, were coded as cases.
Full citation	Cases	Factors	Adjusted odds ratio	Limitations
Olsen, E. M.,	n=3692	Gestational	Results reported by FTT definition type; OR [95% CI], p-	Methodological limitations

Study details	Participants	Factors	Results	Comments
Skovgaard, A.		age (weeks)	value:	assessed using the Critical
M., Weile, B.,	Controls	and feeding	FTT=conditional weight Gain <5% from birth until 6-11	Appraisal Skills Programme
Jorgensen, T.,		problems.	months; Gestational age (weeks):1.11 [0.96,1.27], NS	(CASP 2006) Clinical Prediction
Risk factors for	Inclusion criteria		; Feeding problems: 1.15 [0.74,1.78], NS	Rule Checklist
failure to thrive	Children with a apprinting ant		FTT= Combination of: conditional weight gain < 5% and	A) Are the recults of the study
in infancy depend on the	Children with a coexisting set comprising weight and length between 6		BMI <5th Percentile; Gestational age (weeks): 1.15 [0.85,1.56], NS; Feeding problems: 1.25 [0.60,2.61], NS	A) Are the results of the study valid?
anthropometric	and 11 months as well as birthweight.		FTT= crossing ≥ two major weight centiles from birth until	<u>valid?</u>
definitions used:	and it months as well as birthweight.		6-11 months; Gestational age (weeks): 1.13 [1.04,1.23],	1. Is the CPR clearly defined?
the Copenhagen	Exclusion criteria		p<0.05; Feeding problems 1.12 [0.86,1.47],NS	Yes
County Child			NS= no significant	
Cohort,	Gestational age < 37 full weeks, multiple			2. The population for which the
Paediatric and	births, or those having serious			rule was derived included an
Perinatal	congenital disorders or illnesses.			appropriate spectrum of
Epidemiology,	Children with birthweight ≤ 10th			patients? Yes
21, 418-31,	percentile could not (for technical			2 Mas the mule velidated in a
2007	reasons) fulfil the FTT criterion C (downward crossing of two or major			3. Was the rule validated in a different group of patients?
Ref Id	centiles), these children were also			Can't tell (gestation age
itter ia	excluded from these analyses. After			presented with the standard
377974	exclusion the TI value defining the 5%			outcome definition, however
	with the slowest weight gain (for			feeding problems were parent
Country/ies	conditional weight gain) was TI ≤ -1.46.			reported and no criteria was
where the	Statistical method.			reported)
study was				
carried out	Distribution of the continuous variables			4. Were the predictor variables
Denmark	was described using medians and interquartile ranges. Logistic regression			and the outcome evaluated in a blinded fashion? Can't tell
Denmark	was performed with FTT as the outcome			billided fashion? Carri tell
Study type	variable, with ORs, 95%CI and P-values			5. Were the predictor variables
, -,,	(two-sided) calculated for multivariable			and the outcome evaluated in
Prospective	analyses. Multivariable analyses were			the whole sample selected
cohort	constructed based on the hypotheses,			initially? Yes
	prior the analyses, including significant			
Study dates	variables from earlier population studies.			6. Are the statistical methods
N				used to construct and validate
Not reported	Confounders that the study adjusted for: Sex, ethnicity, mother's age, social			the rule clearly described? Can't tell
Funding	level of neighbourhood, whether parents			Carritell
r ununing	live together. Multivariate model also			B) What are the results?
Egmont	includes observations concerning			D) Triat are the results.
Foundation, the	psychomotor development, mother-child			7. Can the performance of the
Danish Health	relationship and overall development of			rule be calculated? No

Study details	Participants	Factors	Results	Comments
Insurance Foundation, the Foundation of Carl August and Jenny Andersen, the Lundbeck Foundation, the Gangsted Foundation, the Beatrice Surovell Haskell Fund for CHild Mental Health Reseach of Copenhagen, the Rosalie Petersen Foundation, the Foundation of Director Jabon Madsen and his wife Olga Madsen, the Linex Foundation and the Danish Ministry of Social Affairs.	the child.  For the purpose of this study, FG had 3 different anthropometric criteria, resembling those used in earlier population studies of FTT were investigated: (1) FTT= Conditional weight gain <5% from birth until 6-11 months; (2) FTT = Combination of: conditional weight gain <5% and BMI <5th percentile; (3) FTT= Crossing ≥ two major weight centiles from birth until 6-11 months.  Demographics  50.4% of the sample were boys; 22.6% were from a high social level of living area, 29.5% from an intermediate social level of living area and 4.9% from a low social level of living area.			8. How precise was the estimate of the treatment effect? The estimate was not precise  C) Will the results help locally? / Are the findings applicable to the scenario?  9. Would the prediction rule be reliable and the results interpretable if used for your patient? Can't tell (gestational age will be, however feeding problems would not be with the information available in the study)  10. Is the rule acceptable in your case? Yes  11. Would the results of the rule modify your decision about the management of the patient or the information you can give to him/her? Can't tell  GLOBAL RATING OF THE PAPER: Low
Full citation	<u>Cases</u>	Factors	Adjusted odds ratio	Limitations
Olsen, E. M., Skovgaard, A. M., Weile, B., Petersen, J., Jorgensen, T., Risk factors for weight faltering in infancy according to age at onset,	n=3638  Diagnostic criteria  *see "other information" section below  Controls  Inclusion criteria	Slow starters analysis (birth to 2 weeks): mother smoking during pregnancy, feeding problem	Weight faltering was categorised according to age of onset and groups were analysed according to this. Slow starters analysis (birth to 2 weeks),OR (95% CI) and p value  Mother smoking during pregnancy = 1.52 [1.06,2.18], p=0.0253 Feeding problem = 1.71 [1.11, 2.63], p= 0.0209  Early onset analysis (2 weeks to 4 months), OR (95% CI)	Methodological limitations assessed using the Critical Appraisal Skills Programme (CASP 2006) Clinical Prediction Rule Checklist  A) Are the results of the study valid?  1. Is the CPR clearly defined?

Study details	Participants	Factors	Results	Comments
Paediatric and	Children with available weights in all		and p value	Yes
Perinatal	three age bands, and an available	Early onset	Feeding problem= 1.69 [1.08,2.63], p=0.0278	
Epidemiology,	birthweight.	analysis (2		2. The population for which the
24, 370-82,		weeks to 4	Late onset analysis (4-8 months), OR (95% CI) and p	rule was derived included an
2010	Exclusion criteria	months):	value	appropriate spectrum of
		Feeding	Feeding problem = 1.98 [1.31,2.99], p= 0.0018	patients? Yes
Ref Id	Children with major congenital disorders	problems	7 1/1	·
	or serious physical illness within 0-11	·		3. Was the rule validated in a
377975	months of age.	Late onset		different group of patients? No
	ŭ	analysis (4-8		5
Country where	Statistical method	months):		4. Were the predictor variables
the study was		feeding		and the outcome evaluated in a
carried out	Distributions of continuous variables	problems		blinded fashion? Can't tell
	were described using medians and			
Denmark	interquartile ranges, as none of these			5. Were the predictor variables
	were normally distributed. Risk factor			and the outcome evaluated in
Study type	analyses were done with each type of			the whole sample selected
	weight faltering as a separate outcome,			initially? Yes
Prospective	using all children not included in the			
cohort study	given case group as controls.			<ol><li>Are the statistical methods</li></ol>
	Multivariate analysis were performed on			used to construct and validate
Study dates	all variables with a P value <0.05 in the			the rule clearly described? No
	unadjusted analysis, using logistic			
2000	regression. Significant variables were			B) What are the results?
	adjusted individually for variables			
Funding	previously used as confounders judged			7. Can the performance of the
	from infant mental health literature and			rule be calculated? No
The Egmont	assessment of the causal network.			
Foundation, the				8. How precise was the
Danish Health	Demographics			estimate of the treatment
Insurance	50.00( / .0000) (1)			effect? No
Foundation, the	50.9% (n=3638) of the sample were			0) 14(11.41.41.41.41.41.41.41.41.41.41.41.41.4
Foundation of	boys; 15.7% (n=572) of the children had			C) Will the results help locally? /
Carl August and	parents who were not born in Denmark			Are the findings applicable to
Jenny	and 11.9% (n=431) had 1 of their			the scenario?
Andersen, the	parents born in Denmark. 19.3%			O Marild the prodiction wile be
Lundbeck Foundation, the	(n=701) were from a high social status and 32.7% (n=1191) were from an			<ol><li>Would the prediction rule be reliable and the results</li></ol>
Gangsted	intermediate social status. 42.1%			interpretable if used for your
Foundation, the	(n=1140) had mothers with a previous			patient? Can't tell
Beatrice	liveborn children. 4.7% (n=170)			patient: Carritell
Surovell Haskell	had birthweight <5% and 90.5%			10. Is the rule acceptable in
Fund for Child	(n=3294) had a birthweight between 5-			your case? Can't tell
i unu ioi ciliiu	(11–3234) flad a billinvelgill between 5-			your case! Carri tell

Study details	Participants	Factors	Results	Comments
Mental Health Research of	95%.			11. Would the results of the rule
Copenhagen, the Rosalie				modify your decision about the management of the patient or
Petersen Foundation, the				the information you can give to him/her? Can't tell
Foundation of Director Jacob				GLOBAL RATING OF THE
Madsen and Wife Olga				PAPER: Low
Madsen, the Linex				Other information
Foundation and				other information
the Danish Ministry of Social Affairs.				*definition of FTT: weight faltering was defined as the slowest weight gaining 5% of all children in the cohort with an
				available weight.

## **G.7**<sup>1</sup> Prevalence of specific causative conditions

Study details	Participants	Outcomes and results	Comments	
Full citation	Inclusion criteria	Outcomes and results		Limitations
Berwick, D.M., Levy, J.C., Kleinerman, R., Failure	Not reported  Exclusion criteria	Specific structural causes of failure to thriv	Risk of bias assessed using JBI checklist for prevalence studies (Munn 2015)	
to thrive: diagnostic yield of hospitalisation, Archives of Disease in	Children were excluded from the study if an obvious cause of FTT was	Partial intestinal obstruction Pyloric stenosis (2) Malrotation (1)	3 (3.6%)	Was the sample frame appropriate to address the target population?
Childhood, 57, 347- 351, 1982	explicitly identified by history or physical examination at the time of	Urinary tract infection	3 (3.6%)	Unclear - children included in this study had been hospitalized, which
001, 1002	admission, or if the infant was in a	Tuberculosis	1 (1.2%)	may indicate that were very severe
<b>Ref Id</b> 245027	medically critical condition at the time of admission.	Neurological Leigh's disease (1)	2 (2.4%)	cases.  Were study participants sampled in an appropriate way? yes - cross
210021	Sample characteristics	Cerebral palsy (1)		sectional study using hospital records
Aim of the study		Coeliac disease	2 (2.4%)	Was the sample size adequate?
To assess the diagnostic yield of	Failure to thrive was defined as those children whose weight lies consistently below the 3rd centile for age, or whose	Hypercalcaemia	1 (1.2%)	unclear Were the study subjects and the setting described in detail? yes

Study details	Participants	Outcomes and results				Comments
children in the infant- toddler age group who are admitted to hospital to investigate the cause of FTT of obscure origin.  Country/ies where the study was carried out  USA  Study type  Cross-sectional	growth is rapidly crossing centiles downwards. The study authors abstracted detailed information from the case records of all infants aged 1 and 25 months from whom the diagnosis of FTT had been noted at admission or discharge. Children were divided in 4 groups (FTT unexplained, FTT environmental, FTT specific diagnosis, not FTT). Of the patients with a specific diagnosis, two-thirds had a functional gastrointestinal disorder and one-third had a specific structural disease. 10% (n=12) of the patients presented with a specific structural cause for failure to thrive.					Was the data analysis conducted with sufficient coverage of the identified sample? yes Were valid methods used for the identification of the condition? unclear Was the condition measured in a standard, reliable way for all participants? no - not all children received all diagnostic tests Was there appropriate statistical analysis? yes Was the response rate adequate, and if not, was the low response rate managed appropriately? n/a  Overall quality of the study: low
Full citation	Inclusion criteria	Outcomes and results				Limitations
Sills, R. H., Failure to	All patients admitted to a children's	Final diagnosis of cause of fa	Itering gro	wth		Risk of bias assessed using JBI
thrive. The role of	hospital for diagnostic investigation of		No(%)	of patients	(N=185)	checklist for prevalence studies
clinical and laboratory evaluation, American	failure to thrive over a 34 month period. Age < 3 years, weight < 3rd percentile	Nonorganic etiology	106 (58	3%)		(Munn 2015)
Journal of Diseases of	on the Boston Children's Hospital	Environmental deprivation	92 (50°	%)		Was the sample frame appropriate to
Children, 132, 967-9, 1978	Anthropometric Charts, or weight decrease greater than 2 major	Simple feeding problem	5 (3%)			address the target population? unclear
	percentiles	Rumination	3 (3%)			Were study participants sampled in
Ref Id	Exclusion criteria	Constitutional and familial	4 (2%)			an appropriate way? unclear - definition of faltering growth 3rd
409576	Exclusion chieria	Organic etiology	34 (189	%)		percentile and these weren't children
Aim of the study	None reported	Undetermined etiology	45 (24°	%)		without signs or symptoms of underlying organic conditions
To investigate whether	Sample characteristics	Contribution of clinical history	, physical	examinatio	on and	Was the sample size adequate?
laboratory studies	185 children	laboratory studies to final diag			_	Were the study subjects and the
provide additional				No of		setting described in detail? yes
diagnostic information to clinical examination				cases	1	Was the data analysis conducted with sufficient coverage of the identified
alone for children with		History alone useful		17	1	sample? yes
faltering growth.		Physical examination alone		1		Were valid methods used for the
Country/ies where		History and physical examinuseful	ation	16		identification of the condition? unclear

Study details	Participants	Outcomes and results		Comments
the study was carried out  USA  Study type  Cross sectional study		Laboratory studies useful without suggestion from clinical examination	on 0	Was the condition measured in a standard, reliable way for all participants? no - not all children received all diagnostic tests Was there appropriate statistical analysis? yes Was the response rate adequate, and if not, was the low response rate managed appropriately? n/a  Overall quality of the study: low
Full citation	Inclusion criteria	Outcomes and results		Limitations
Wright, C.M., The Parkin Project: A study of screening and	97 children included in the intervention arm of Wright 1998. 61/97 had medical done by the project paediatrician,		No of cases	See Wright 1998
intervention in failure to thrive, MD Thesis,	16/97 had information retrieved from medical records and 20/97 had no	Organic condition likely to be the sole cause of FG	5/97 (5%)	
1996 <b>Ref Id</b>	formal assessment (10 had already recovered before assessment was scheduled)	Organic condition likely to contribute to FG	12/97 (12%)	
577005	Exclusion criteria		No of cases	
Aim of the study  This thesis was part of	See Wright 1998  Sample characteristics	Organic condition was already diagnosed prior to study	15/97 (15%)	
the Parkin project study (see Wright 1998)	See Wright 1998	Assessment for the study found undiagnosed organic condition	2/97 (2%)	
Country/ies where the study was carried out				
UK				
Study type				
See Wright 1998				
Full citation	Inclusion criteria	Outcomes and results		Limitations

Study details	Participants	Outcomes and results		Comments
Wright, C. M., Callum, J., Birks, E., Jarvis, S., Effect of community	Children were identified using a screening programme that required a minimum of two weights to be entered		No of cases (%)	Risk of bias assessed using JBI checklist for prevalence studies (Munn 2015)
based management in failure to thrive: randomised controlled	on the district child health computer for each infant. The computer identified children as failing to thrive if the	Major organic disease likely to be sole cause of FG	10/229 (4%)	Was the sample frame appropriate to address the target population?
trial, BMJ, 317, 571-4, 1998 <b>Ref Id</b>	second weight standard deviation score (SDS2) showed a fall from the baseline weight (SDS1) at 6 weeks, after adjustment for regression to the	Minor organic disease possibly contributing to FG	27/229 (12%)	unclear - although they had faltering growth they may also have had signs or symptoms of underlying organic conditions
393237 Aim of the study	mean using the thrive index method (defined as SDS2-SDS1 × 0.65).7 The screening threshold used was a fall of 1.26 SD, equivalent to a centile shift			Were study participants sampled in an appropriate way? yes - population screening sample.
Country/ies where the study was	from the 50th to between the 10th and 3rd centile, which identifies the 5% of children with slowest gain. Recruitment			Was the sample size adequate? Unclear
carried out UK	to the study began in October 1991 and continued for 2 years. All children resident in Newcastle and born after October 1990 were eligible for			Were the study subjects and the setting described in detail? yes Was the data analysis conducted with
Study type  Cohort study (children	inclusion.  Exclusion criteria			sufficient coverage of the identified sample? Yes
with faltering growth were identified via population screening for inclusion in a	When a pair of twins screened in, only the first twin identified was included			Were valid methods used for the identification of the condition? Unclear
randomised controlled trial).	Sample characteristics  N=229 children with confirmed faltering growth were identified at age 6 to 15 months and followed up till at least 3 years of age.			Was the condition measured in a standard, reliable way for all participants? no - not all children received a medical from the project paediatrician - some diagnoses were based on information from hospital records and some children had no formal medical examination.
				Was there appropriate statistical analysis? Yes
				Was the response rate adequate, and if not, was the low response rate

Study details	Participants	Outcomes and results	Comments
			managed appropriately? n/a
			Overall quality of the study: low
			Other information
			See Wright 1996 for further data from the intervention arm of this study.

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# **G.8**<sup>3</sup> Breastfeeding support

4 Not applicable for this review

**G.9**<sup>5</sup> Dietary advice and supplementation

Study details	Participants			Interventions	Methods	Outcomes and Results					Comments
Full citation	Sample size			Interventions	Details	Results					Limitations
Panahi, Y., Falahi, G.,	120 patients			Bovine colostrum (40	Randomization:	Gomez inc	Limitations assessed				
Falahpour, M.,	Characteristics			mg per kg per day)	One hundred twenty consecutive eligible		Gomez		Contr	_	using the Cochrane
Moharamzad, Y.,	Characteristic	Case	Control	ady)	patients were randomized into 2 groups, based on a		index	(n=6 0)	(n=60)	Р	risk of bias checklist
Khorasgani,		(n=60)	(n=60)		simple randomization		Normal	0	0	0.356	<u>oncomist</u>
M. R., Beiraghdar,	Age, y	5.05 (2.33)	5.25 (2.62)		protocol.		Mild	29	24 (40)		Was the allocation
F., Naghizadeh,	Breast-feeding duration, mo	10.48 (4.9)	10.29 (5.57)		Intervention:	Beginni ng	IVIIIQ	(46.3 )	24 (40)		sequence adequately
M. M., Bovine	duration, mo				Control group:		Moderat	31			generated?
colostrum in the	Weight, kg	13.8 (3.95)	14.12 (4.26)		Routine medical management such as		е	(51.7 )	36 (60)		Low risk
management of nonorganic	Height, cm	97.6 (15.65)	98.5 (16.29)		parents' instructions regarding correct dietary	First month	Normal	2 (3.3)	0	0.276	Was the
failure to thrive: a randomized	Gomez, %	==	73.53 (5.27)		programs, daily multivitamins and minerals, and zinc	month		(3.3)			allocation adequately concealed?

Study details	Participants			Interventions	Methods	Outcomes	s and Res	ults			Comments
clinical trial, Journal of Pediatric	wateriow i, %	(4.06)	90.66 (3.35)		sulphate syrup. Intervention group: In addition to the mentioned		Mild	31 (51.7	28 (46.7)		Unclear
Gastroenterol	All of the data are expr (standard deviation).	essed as	mean	treatments, received bovine colostrum (40			Madanat	27			Were baseline
ogy & Nutrition, 50, 551-4, 2010			Control (n=60)		mg/kg/day).		Moderat e	(45.0 )	32 (53.3)		outcome measureme
Ref Id	Воу	33 (55)	38 (63.3)		Follow-up:  All of the children were		Normal	5 (8.3)	0	0.017	nts similar?
393038	Girl	27 (45)	22 (36.7)		visited by a paediatrician 4 times during the study.	Second month	Mild	38 (63.3	32 (53.3)		Were
Country where the study was	Gestational age; preterm	17 (28.3)	18 (30)		The first visit was at the time of entrance to the study. The second,	month	Moderat	17 (28.3	28		baseline characteristi cs similar?
carried out		43 (71.7)	42 (70)		third, and fourth visits were done at the end		е	(20.3	(46.7)		Low risk
Iran	Weight at	26	26 (43.3)		of the first, second, and third month since starting		Normal	12 (20.0	2 (3.3)	0.006	Were
Study type Randomized		34 (56.7)	34 (56.7)		the study. During these visits, according to Waterlow I and Gomez	Third month	Mild	36 (60)	36 (60.0)		incomplete outcome data
Clinical Trial	Breast-feeding	58 (96.7)	59 (98.3)		criteria, the process of child growth was	month	Moderat	12 (20.0	22		adequately addressed?
Aim of the study		31 (51.7)	35 (58.3)		monitored.  Variables:	All of the	e data are p	)	(36.7)	guenav	Low risk
To evaluate whether	Completed vaccination program	45 (75)	48 (80)		The following variables	(range).	uala ale p	resent	eu as ile	equericy	Was knowledge
bovine colostrum supplementati on has a	Beginning supplemental nutrition <6 mo old	18 (30)	19 (31.7)		were gathered: age, sex, weight (kilograms), height (centimetres), appetite for food, vaccination program,	An increas groups reg The differe	garding Go	mez in	idex.		of the allocated intervention s
clinical efficacy in the management	Beginning supplemental nutrition >= 6 mo old	42 (70)	41 (68.3)		presence of breast- feeding and its duration, formula usage, time of	the case (becomes at the end	statistically	signifi s	cant (P=	0.003)	adequately prevented during the
of children with non- organic Failur	Appetite for food	10 (16.7)	11 (18.3)		beginning the supplemental nutrition, gestational age (preterm	treatment. Waterlow	l index ((he	eight fo	or age)		study? High risk
e to Thrive (FTT).	All of the data are pres frequency (percentage				and term), and weight at the time of birth.		Waterlow	Cas	e Cont		
Study dates	Inclusion criteria				Statistical analyses: Descriptive indices such		l index	(n=6 0)	rol (n=6	Р	Was the study

Study details	Participants	Interventions	Methods	Outcomes and Results					Comments
March 2000	Children ages 4 to 40 years		as frequency, percentage,				0)		adequately
March 2006– February 2008	Children ages 1 to 10 years Both sex Having nonorganic FTT		mean, and standard deviation were used to express data.		Normal	9 (15.0 )	8 (13.3 )	0.315	protected against contaminati on?
Source of funding	Exclusion criteria Children with severe non-organic FTT (based on Waterlow I criteria [<85% of the		For comparison of continuous variables, the independent sample t test	Beginni ng	Mild	19 (31.7 )	27 (45.0 )		Low risk
Tehran University of Medical Scien ces	expected], and Gomez criteria [<60% of the expected]) Children with diagnosis of an underlying cause for their growth failure, that is,		or the Mann-Whitney U test and for categorical variables the x2 or Fisher exact tests were used.		Moderate	32 (53.3 )	25 (41.7 )		Was the study free from selective
063	organic FTT		ender lesis were used.		Normal	13 (21.7 )	8 (13.3 )	0.259	outcome reporting?
				First month	Mild	20 (33.3 )	28 (46.7 )		Low risk  Was the study free
					Moderate		24 (40.0 )		from other risks of bias?
					Normal	16 (26.7 )	9 (15.0 )	0.137	Low risk
				Second month	Mild	23 (38.3 )	33 (55.0 )		
					Moderate	21 (35.0 )	18 (30.0 )		
					Normal	17 (28.3	9 (15.0 )	0.193	
				Third month	Mild	27 (45.0 )	34 (56.7 )		
					Moderate		17 (28.3 )		

Study details	Participants			Interventions	Methods	Outcomes and Results						Comments
						All c (ran		ta are pre	esented	as frequ	ency	
						the the	nird mon een the	e was rep th based case (92 os (P=0.0	on Wat .91) and	erlow inc		
Full citation	Sample size			Interventions	Details	Resu	ılts					Limitations
Alarcon, P. A., Lin, L. H.,	104			The nutritional supplement Ped	Baseline visit The following	Weig						<u>Limitations</u> <u>assessed</u>
Noche, M., Jr.,	Characteristics	Interventio	Control	iasure® (Abbott International Div	procedures were performed:		Interve		Contro			using the Cochrane
Hernandez, V. C., Cimafranca,		n group (n=53)	group (n=51)	ision, Abbott Laboratories, Ab bott Park, IL),	Subjects were randomized (1:1) to the Intervention or Control group	Da y	Weig ht (Kg)	basali	weig	Chang e from baselin	Р	risk of bias checklist
L., Lam, W.,	Age, mo	48.3 ± 6.4	48.7 ± 6.6	an oral	· .			ne		е		
Comer, G. M., Effect of oral supplementati	(%), wates	26(49%)	27(53%)	supplement designed to provide	a complete medical history and physical examination A 3-day dietary history	30	13.9± 1.4(4 4)	0.54 ±0.39	13.4± 1.8(43	0.31 ±0.40	0.0 10	Was the allocation
on on catch-	Ethnicity, n (%)			complete,	Assessment of appetite		442.		13.7±			sequence
up growth in picky eaters,	Filipino	25(47%)	22(43%)	balanced nutrition for	and activity levels  Measurement of height	60	1.5(4	0.98 ±0.58	1 0/15	0.44 ±0.40	<0. 001	adequately generated?
Clinical	Taiwanese	28(53%)	28(55%)	children 1 to 6	and weight		4)		)	20.10		
Pediatrics, 42, 209-17, 2003	Other	0	1(2%)	years of age. The nutritional supplement	Collection of blood for measurement of clinical laboratory values	90	14.5± 1.5(4 4)	1.18 ±0.65	13.7± 1.8(47	0.44 ±0.41	<0. 001	Unclear Was the
2003	Weight (kg)	13.6 ± 1.5	13.3 ± 1.7	was lactose-free	Recording of concomitant		(4)		)			allocation
Ref Id 378133	Weight for age percentile¤	9.6 ± 9.2	6.9 ± 6.9	and provided 1.0 kcal/mL, with 12% of	medications, vitamins and supplements A history of	Weig	ht for A	<u>ge</u>				adequately concealed?
370133	Height(cm)	97.4 ± 6.1	96.6 ± 6.2	calories	gastrointestinal (GI)		Interve		Contro			Unclear
Countries where the study was carried out	Height for age percentile		15.3 ± 17.5	as protein, 43.8% as carbohydrate, a nd 44.8% as fat.	symptoms Parents were given nutrition counselling by a physician	Da y	Weigh t for Age(p ercent	e from baseli	t for Age	Chan ge from baseli	Р	Were baseline outcome
Philippines and Taiwan	Weight for height percentile	17.2 ± 9.2	14.8 ± 10.1	Subjects in the intervention group	A daily diary was provided to parents		ile) 12.2±	ne	7.6±8.	ne 1.37	0.0	measureme nts similar?
Study type	Appetite level	4.8 ± 1.8	4 ± 2.1	consumed 40 mL/kg/day of	Intervention The nutritional supplement	30	12.4(4 4)	±5.98	7(43)	±4.04	25	Low risk
, ,,,	Activity	7.4 ± 2.1	$6.9 \pm 2.3$	the supplement	(Pediasure®) was	60	16.0±	7.42	8.3±9.	1.49	<0.	Were

Study details	Participants	Interventions	Methods	Outcomes and Results Comments
randomized clinical trial	Castrointesti   13(25)   9(18)	in addition to their regular diet, and were	dispensed to the Intervention group at the 30- and 60-day visits.	14.8(4 ±9.44 2(45) ±4.40 001 baseline characteristics similar?
Aim of the study	symptoms	not to consume any	Follow-up	90   15.7(4   8.59   8.9(47   0.56   0.01   Low risk *
To investigate	¤Intervention > Control, p=0.05 by ANOVA	similar products during the	All the subjects were visited at the 30, 60, and	height for
the efficacy of physician-	§Intervention > Control, p=0.023 by ANOVA	study.	90 day (± 7 days) after baseline visit.	Height age percentile
directed nutriti onal			30- and 60-day visits, the	Intervention   Control   was higher significantly in
counselling with	Inclusion criteria		diaries were collected and	y t (cm) e t (cm) P in Intervention
and without nutritional supplementati	Children with picky-eating behaviour Children 36 to 60 months of age Children below the 25th percentile in weight for height		reviewed, and new ones were provided. Following procedures or	30   97.8±   1.12±   96.7±   0.64±   0.03   group than Control.
on in improving the growth of children	Exclusion criteria		assessments were done at all follow-up visits; Medical, surgical, and medication history since	60   98.6±   1.81±   97.6±   1.15±   0.01   incomplete outcome data
who had picky-eater behaviors and	Children currently suffering from; Acute or chronic infections Temperature > 40°C		the last visit Height and weight Appetite and activity levels	90   99.2±   2.66±   98.3±   1.72±   <0.   adequately addressed?
who had evidence of growth	Allergy to cow's milk or other ingredients in the nutritional supplement Iron deficiency anaemia being treated		Nutrition counselling by a physician At the final 30 and 90-day	Unclear  Height for Age  Was
faltering.	with iron therapy any metabolic, malabsorption, renal,		visit; The nutritional supplement	Intervention Control knowledge of the
Not mentioned.	hepatic, cardiovascular disease; pancreatic insufficiency or cystic fibrosis Infantile anorexia Developmental disability		(Pediasure®) was dispensed (the intervention) the diaries were collected and reviewed, and new	Da y     Height for Age (perce ntile)     Chan ge (perce ntile)     Height for Age (perce ntile)     Chan ge (perce ntile)     Chan ge (perce ntile)     Chan ge (perce ntile)     Percented intervention s adequately prevented designs the control of the percented of the percented designs the control of the percented o
Source of funding  Not			ones were provided. At the final 90-day visit; A complete physical examination	30 18.9± 19.2(4 7.25 13.6±1 6.9(43 5
mentioned.			Blood was collected for measurement of clinical laboratory values.	60 21.4±2 3.3(44) 2.96 ±6.39 5) 13.9 ±16(4 ±4.24 7 7
			Nutrition Counselling The 3-day diet recall taken	protected against

Study details	Participants	Interventions	Methods	Outcomes and Results	Comments
			at the baseline visit was used to develop specific dietary strategies for each subject.  A physician counselled parents at each visit on techniques to enhance their child's eating behaviours, and these principles were reinforced at each visit.  Laboratory Analyses Serum albumin, iron, ferritin, and zinc measurements  Statistical Analyses  For continuous variables; analysis of variance (ANOVA) was used to measure differences between groups, with treatment and country as main effects.  For categorical variables; Cochran-Mantel-Haenszel test controlling for country was used for between group comparisons.  For gender; the Fisher exact test was used.	22.8 ±23.6( 44)  5.09 ±7.92  14.7  21.8(4  7)  () indicates number of subjects Data are reported as the mean ± SD  Adverse events  30 (57%) and 35 (69%) of Intervention and Control subjects, respectively All were mild or moderate in severity and most were not considered to be related to the study treatments.  The most commonly reported were events involving the digestive and respiratory systems, and infections. The percent of subjects in whom upper respiratory tract infections developed was significantly lower in the Intervention vs Control group (28% vs 51% of subjects, respectively; p=0.027).	contamination?  Low risk  Was the study free from selective outcome reporting?  Low risk  Was the study free from other risks of bias?  Low risk
Full citation	Sample size	Interventions	Details	Results	Limitations
Clarke, S.E., Evans, S., Macdonald, A., Davies, P., Booth, I.W., Randomized comparison of	49 Characteristics	Nutrient-dense formula (NDF) vs energy supplemented f ormula (ESF) The two feeds contained	Randomization  Randomization was in blocks of four to maintain roughly equal NDF/ESF and gender balance. Intervention	NDF group (n=26) ESF group (n = 23) Differenc e between groups	Limitations assessed using the Cochrane risk of bias checklist

Study details	Participants				Interventions	Outcomes a	Comments				
a nutrient- dense formula with an energy- supplemented formula for infants with faltering		Nutrient -dense formula (NDF) (n = 26)	Energy- supple mented formula (ESF) (n = 23)	Signifi cance level	comparable amounts of total carbohydrate and fat and each provided 4.2 kJ (1 kcal)/ mL. The NDF	Nutrient-dense formula (NDF) vs energy supplemented formula (ESF) Both feeds were introduced stepwise over four days. Feed preparation was explained to parents verbally and	Median change in weight z-score  p value  Infants in eacimproved the				Was the allocation sequence adequately generated?  L ow risk Was the
growth, Journal of		14 M	12 M		contained more protein,	written instructions were	There was no	significa	nt differer	nce	allocation
Human Nutrition and Dietetics, 20,	Sex	12 F	11 F		vitamins, minerals and trace elements.	issued for use at home.  The infants were fed by	between med groups; 7.2 g /kg/ day	_	_		adequately concealed?
329-339, 2007	in weeks	5.6 (2.4– 31.0)	4.0 (1.9– 22.1)	0.10 (NS)	The ESF was based on Cow & Gate Premium,	bottle and/or nasogastric or gastrostomy tube. The study dietitian (SC)	kg/day for the		iDi and i	.0 g/	Unclear Were
<b>Ref Id</b> 257432	Median weight for age z-score (range)	-2.4 (-5.6 to - 0.5)	-2.5 (-5.9 to +0.5)	0.99 (NS)	and supplement ed with 4 g /100 mL of glucose polymer (Maxijul	prescribed each infant's nutritional intake aiming for an intake of 630–840 kJ (150–200 kcal) /kg		NDF group (n=26)	group	Differenc e between	baseline outcome measureme nts similar?
Country where the study was carried out	Median length for age z-score (range)	-0.9 (-4.9 to +0.7)	-1.2 (-5.0 to +1.6)	0.47 (NS)	; SHS International, Liverpool, UK) and 4 mL /100 mL long	/ day.  Daily record sheets of feed intake, solids eaten, stool frequency and	Median change in weight z-	-0.18	-0.28 (-1.3 to 2.1)	0.30	Low risk Were baseline
UK		10	13		chain fat emulsion (Colog	consistency and vomits were completed by	p value	0.24	0.01		characteristi cs similar?
Study type  Randomized controlled trial	disease  Gastroenter ology/surgi cal patients	7	8		ne; SHS International).	nursing staff for inpatients and by parents/carers after discharge. Anthropometry measurements	Both groups score but only was statistica	y the decl	line in the cant (P =	ESF group 0.01)	Low risk Were incomplete
Aim of the study	Cystic fibrosis	3	2			Anthropometric data	Median linear week in NDF in ESF group	group an	d 0.60 cm		outcome data
To compare the effectiven	Neurologic al syndrome	3	0			(length, weight, Mid upper arm circumference) were collected by a	Arm anthropo	, ,	illicarity.		adequately addressed?
ess of a nutrient- dense formula (NDF) with an	Faltering growth of unknown origin	3	0			single observer (SC), at recruitment and 6 weeks later at the end of the study.	While there wincrease in m for the group significant difficult between the formula in the significant difficult in the significant d	edian ML as a who ferences	JAC (cm ple, there with the income in the income in the income in	oer week) were no	Was knowledge of the
energy	Inclusion crit	eria				Biochemical and	between the	iwo group	JS.		allocated

Study details	Participants	Interventions	Methods	Outcomes and Results	Comments
supplemented formula (ESF) in infants with	Inclusion criteria comprised infants; Attending Birmingham Children's Hospital Weighing between 2–8 kg		haematological assessments.  At entry and at the end of	Biochemistry and haematology There was no significant difference within or between groups for albumin, total CO2, or plasma potassium, and these remained	intervention s adequately prevented
faltering growth. Study dates	Diagnosed with faltering growth due to cardiac lesions, cystic fibrosis, or other organic causes		the study the followings were measured: Serum albumin, plasma	within normal ranges in both groups during the trial.  Each individual group had a	during the study?
a period of 6 weeks during 1997/98.	Fed orally and/or enterally.  Exclusion criteria		electrolytes, blood urea, total CO2, a full blood count and urinary	significant improvement in plasma sodium (more so in the NDF group; P = 0.003), but there was no significant difference between	Unclear Was the
Source of funding Nutricia	Exclusion criteria comprised infants; With major gastrointestinal, hepatic or		electrolytes.  Statistical analyses	the two groups.  Blood urea concentration in the ESF group	study adequately protected
Clinical Care	renal dysfunction or metabolic disease Requiring a cow's milk free diet Consuming more than 20% of their energy intake from solids		Mann–Whitney U-tests were used to compare feed groups for growth	had fallen significantly by 6 weeks (P =0.005) with a median level (1.5 mmol / L) below the lower limit of the normal reference range (1.7–6.7 mmol / L); this	against contaminati on?
	Requiring parenteral nutrition		(using the conventional standardized z-scores of weight and height	was significantly lower compared with the NDF group (P =0.001).	Low risk Was the
			adjusted for age and gender), biochemical and nutrient intake data; and to assess gender differences	No significant increase in urinary sodium occurred in either group during the trial (P =0.16 NDF; P =0.86 ESF).	study free from selective outcome
			in growth, biochemistry and nutrient intake. General linear model	In the NDF group urinary potassium increased significantly (P = 0.001) over the study period and by the end of 6 weeks this	reporting?
			analysis was used to determine if observed	was 50% higher than in the ESF group (P = 0.006).	Was the
			differences in growth between groups was significantly associated	Feed tolerance	study free from other risks of
			with gender, age or biochemistry at the start of the study.	Both feeds were equally well tolerated. There was no significant difference in daily stool frequency between the two groups.	bias? Low risk
			Fisher's exact test was used to compare the two groups for differences in proportions below the normal urea reference range.		
Full citation	Sample size	Interventions	Details	Results	Limitations

Study details	<b>Participants</b>				Interventions	Methods	Outcomes a	Comments			
Fewtrell, M. S., Morley, R., Abbott, R. A., Singhal, A., Stephenson,	474 infants Standard term formula (TF) group: n = 147 Nutrient enriched formula (EF) group: n = 152 Breast-fed reference group: n = 175				Standard term formula (TF) and nutrient enriched formula(EF) tria I diet to	Randomization:  The randomization schedule was generated by random permuted blocks. The subjects were	Growth outco	Randor formula			Limitations assessed using the Cochrane risk of bias checklist
T., MacFadyen, U. M.,		Random formula		Breast- fed	commence within the first week of delivery The EF	stratified by race (white or Asian) and by birth weight centile (below or above the 5th centile for	Gains (kg)	groups TF		Difference (95% CI)	Was the
Clements, H., Lucas, A., Catch-up growth in		groups	EF	reference group	(PremCare) contained nearly 30% more	gestation age and sex).  Blinding:	Enrolment to 9	5.66 ±	5.87 ±	0.22	sequence adequately generated?
small-for- gestational- age term		(n=145) 41.5 (61)	(n=151) 50.7 (77)	(n = 175) 53.1 (93)	protein in relation to energy than did	The formulas were color-coded and the code was	months	0.922	0.89	0.010, 0.45)	Low risk
infants: a randomized trial,	Gestation (wk)	39.4 ± 1.39	39.0 ± 1.26	39.17 ± 1.45	the TF (OsterMilk) and contained	held by Farley Health Products and not revealed to the investigators	Enrolment to 18 months	7.51 ± 1.13	7.76 ± 1.10	0.25 (  0.032,	Was the allocation adequately
American Journal of Clinical	Birth weight (kg)	2.60 ± 0.28	2.53 ± 0.30	2.57 ± 0.29	more calcium, phosphorus, trace	until after the preliminary data analysis. Parents and study personnel were				0.54)	concealed? Low risk
Nutrition, 74, 516-23, 2001	Birth weight (SD score)	1.67 ± 0.46	1.71 ± 0.60	1.67 ± 0.51	elements, and vitamins to support the projected	therefore blinded to the dietary allocation throughout the study, follow-up, and initial data	9 to 18 months	1.95 ± 0.61	1.85 ± 0.62	0.06, 0.26)	Were baseline outcome
421715	Enrolment				increased growth.	analyses.	<u>Length</u>				measureme nts similar?
Country where the study was	(kg)	2.57 ± 0.30 47.28 ±	2.50 ± 0.30 47.03 ±	2.51 ± 0.27 47.61 ±		Standard term formula (TF) and nutrient enriched		Random formula-			Low risk Were
carried out		2.05 33.0 ± 1.2	2.05 32.7 ± 1.3	1.86 33.0 ± 1.3		formula (EF) trial diet Follow-up: Following Growth	Gains (cm)	groups TF	EF	Difference (95% CI)	baseline characteristi cs similar?
Study type	Maternal weight	56.2 ± 10.4	57.5 ± 10.6	59.0 ± 11.5 (157)		outcomes were measured in all included infants between enrolment, 9 and	Enrollmen		23.4 ± 2.6	1.1* (0.38, 1.8)	Low risk
Randomized Controlled Trial		(137) 160.0 ± 6.0 (137)	(130) 159.4 ± 11.8 (130)	161.5 ± 6.6 (157)		18 months age and 6, 12 and 24 week: Weight Length	Enrollmen t to 18 mo	3.2	33.0 ± 2.9 9.51 ±	1.0* (0.25, 1.82)	Were incomplete outcome data

Study details	Participants	3			Interventions	Methods	Outcomes a	Comments			
Aim of the study	Maternal OFC (cm)	1.9	54.5 ± 2.4 (130)	54.9 ± 1.9 (154)		Occipitofrontal head circumference (OFC)	mo	1.94	2.32	(0.22, 0.89)	adequately addressed?
To test the hypothesis that the	Paternal weight	75.5 ± 12.1	76.1 ± 13.2	74.8 ± 11.4 (153)		Following food tolerance outcomes were recorded at 12 and 26	Occipitofronta	al head ci	ircumfere	nce (OFC)	Low risk Was
growth of Small-for- gestational-	(kg) Paternal height	174.9 ± 8.3	(117) 175.5 ± 12.2	177.0 ± 7.5 (154)		week: The frequency and consistency of stools		Randor formula groups	a-fed		knowledge of the allocated
age (SGA) infants can be altered by dietary	Paternal OFC (cm)	57.1 ± 1.8	(120) 57.2 ± 2.8	58.1 ± 3.0 (135)		The presence of blood and troublesome constipation	Gains (cm)	TF	EF	Difference (95% CI)	intervention s adequately prevented
manipulation during the first 9 months	Maternal age (y)	(116) 26.4 ± 4.9	(95) 26.8 ± 5.4	29.5 ± 4.7		The amount of time spent crying in a 24-h period and whether the mother thought the infant had	Enrolment to 9 months	11.6 ± 1.8	12.1 ± 1.4	0.5* (0.1, 0.9)	during the study?
postnatally Study dates 1993-1995 Source of	Inclusion co		erm (≥37 v	wk		To address the safety, following information was	Enrolment to 18 months	13.9 ± 1.8	14.5 ± 1.5	0.63* (0.20, 1.1)	Was the study adequately
funding Farley Health Products (a division of HJ Heinz	gestation) Birth weights gestation an charts.					collected on: The frequency of upper respiratory tract infections Chest infections requiring antibiotics		2.36 ± 0.80	2.35 ± 0.73	0.01 ( 0.19, 0.21)	protected against contaminati on?
Company Ltd, Stockley Park , Uxbridge, United Kingdom)	Congenital a growth or de Changing to delivery	abnormalit evelopmer	nt			Gastroenteritis The number of visits to the hospital or to the family physician The number of courses of antibiotics taken The presence of eczema, wheeze, and asthma To support secondary explanatory analyses, parental weights, heights and head circumference were obtained too.  Statistical analyses:	*Significant of 0.01.  Food tolerand There were not between the or in the incide or blood in the Safety There were not between group respiratory tragastroenteritithe family physical properties.	ce o signific groups lence of ce e stools a o signific ups in the act infecti s, or visit	ant difference in stool coolic, constat 12 or 2 ant difference ons, ches	ences e of upper st infections,	Low risk  Was the study free from selective outcome reporting?  Low risk  Was the study free from other risks of bias?

Study details	Participants	Interventions	Methods	Outcomes and Results	Comments
			Differences between the 2 formula-fed groups were compared by using: Student's t test or the Mann-Whitney U test for continuous variable Chi-square test or Fisher's exact test for categorical variables.		Low risk
			The change in weight, length, and OFC between interim points was examined by using multiple linear regression analysis.		
			Differences between the formula-fed groups and the breast-fed reference group were compared by using:		
			Analysis of variance with post hoc pairwise comparisons with Dunnett's test where appropriate.		
			The differences in size between breast-fed infants and formula-fed infants at 18 month, were analysed regarding following factors:		
			The infant's sex, size at enrollment, birth order, and age at follow-up; parental size; social class; and maternal education and support.		

## **G.10**<sup>1</sup> Non-nutritional interventions

Study								
details	Participants	Interventions	Methods	Outcomes and Resu	ılts			Comments
Full citation	Sample size	Interventions	Details	Results				Limitations
Turner, K. M. T., Sanders, M. R., Wall, C. R.,	20 children (10 male and 10 female)  Characteristics	Following intake assessments, participants were	The severity of the child's feeding difficulties was	Changes in means (S recorded accurate me amounts consumed b standard measuring of	esented, and oplied with	Limitations assessed using the Cochrane risk of bias checklist  Selection bias: unclear		
Behavioural parent	Children presented with feeding	randomly allocated to	assessed during a		Pretreatme nt	Posttreatme nt	Follow-up	(generation of a randomised sequence has
training versus dietary education in	difficulties (most of them of over 12 months duration) and were recruited from	either behavioural parent training (BPT) or	structured intake interview with the	Energy intake (% of R.D.I)				not been described, method used to conceal the allocation has not been provided)
the treatment of	the intake of children referred to either a	standard dietary	child's parents.	ВРТ	86.4 (32.9)	86.0 (28.9)	90.9 (24.7)	Performance bias: low risk
children with persistent feeding	Children's Hospital or a Behaviour Research Centre.	education (SDE), which were	The specific feeding	SDE	87.0 (15.0)	85.3 (16.0)	93.1 (13.9)	of bias  Detection bias: unclear (it
difficulties, Behaviour Change, 11, 242-258,	9 of the children had previously been hospitalised due to	conducted over a two-month period.	difficulties reported included problems	Protein intake (% of R.D.I)				has not been reported whether the outcome assessors had knowledge about the allocated
1994	feeding difficulties, 2 had received	All treatment was provided	relating to food refusal	врт	115.7 (49.4)	122.5 (58.2)	123.0 (51.7)	interventions)
Ref Id 433526	gastrointestinal tube feeding, 8 had undergone repeated	in an individual basis,	(e.g. turning away, leaving the	SDE	126.4 (45.8)	132.4 (21.0)	108.7 (20.6)	Attrition bias: low risk of bias
Country where the	investigative procedures, 8 had previously suffered	primarily with mothers. Target	table, vomiting, gagging,	Food frequency				Reporting bias: low risk of bias
study was carried out	from gastrointestinal reflux, 4 were currently suffering	children were usually present in the	spitting food out, avoiding	ВРТ	7.0 (2.4)	6.9 (2.1)	8.5 (2.2)	
Australia	reflux, and 5 suffered from other organic	room during sessions, and	meals, holding food	SDE	6.4 (2.2)	7.0 (1.8)	8.4 (2.8)	
Study type RCT	problems (bowel blockage/overactivity, persistent diarrhoea).	were provided with games and activities (with the	in the mouth); dietary intake (e.g.	Satisfaction with treat Mothers in the BPT co	ondition had si	ignificantly high	ner ratings of	
Aim of the study	Inclusion criteria	exception of sessions	lack of variety in	satisfaction with treat did fathers in the BPT				

Study					
details	Participants	Interventions	Methods	Outcomes and Results	Comments
	Between 12 months	requiring the	the diet,	66.1), in comparison with mother and fathers in the SDE condition	
То	and 5 years of age, if	active	food "fads",	(means= 48.9 and 41.8 respectively)	
determine	the child's parents	participation	consumptio	(mounts note and note operation)	
whether	had sought help for	of the child.	n of		
intervention	their child's feeding	as in practice	inadequate		
S	problems, and if the	meals in the	amounts of		
addressing	child has a history of	BPT	food,		
parents'	persistent significant	condition).	reliance on		
feeding	feeding difficulties	condition).	milk rather		
practices	over a minimum	The	than solids,		
have any	period of 3 months	assessment	refusal to try		
effects,	period of 3 months	procedure	new foods);		
either	Exclusion criteria	was repeated	mealtime		
positive or	Exclusion criteria	immediately	behaviour		
•	A specific organic	after the			
adverse, on	disease was present	completion of	(e.g. disruptive		
measures of					
parents;	which appeared to	treatment,	behaviour,		
global	explain the child's	and again	excessively		
adjustment	feeding difficulty or	following a 3	slow intake,		
(e.g. mood,	they met the	to 4 month	crying,		
social	diagnostic criteria for	period during	tantrums,		
support,	affective disorder,	which time	throwing		
marital	psychosis, or severe	there was no	food); and		
adjustment,	developmental delay.	contact with	feeding		
sense of		the therapist.	skills (lack		
competence		5	of chewing,		
as a parent)		<u>Behavioural</u>	refusal to		
04		parent training	self-feed,		
Study		(BPT):	refusal to be		
dates		This focused	fed by		
		on teaching	parents or		
Not reported		parents child-	caregivers,		
		management	lack of		
Source of		agreement	tolerance to		
funding		strategies in	different		
		relation to	food		
Project		feeding and	textures,		
supported		mealtimes. It	failure to		
by a grant		consisted of 6	move on to		
from the		weekly	sold or		
National		sessions (of 1	lumpy		
Health and		hour duration)	foods).		

Study					
details	Participants	Interventions	Methods	Outcomes and Results	Comments
Medical		divided into			
Research Council of		both didactic and practical			
Australia		components.			
Australia		components.			
		Session			
		1; discussion			
		of the known			
		factors			
		contributing to and			
		maintaining			
		feeding			
		problems in			
		young			
		children, and the			
		presentation			
		of a parent			
		training video			
		and a parent			
		manual. This			
		session introduced the			
		application of			
		behavioural			
		techniques			
		such as			
		praise and			
		token reinforcement			
		to increase			
		appropriate			
		eating			
		behaviour, the			
		use of quiet			
		time and time out to			
		decrease			
		inappropriate			
		mealtime			
		behaviour,			

Study	Doubleinsste	Interventing	Mathada	Outcomes and Desuite	Commonto
details	Participants	and the use of shaping, parental prompting (via clear, specific instructions), fading of prompts and modelling as required.  Session 2; provided feedback of assessment results, and negotiation of individual treatment goals and target behaviours, tailored to fit the child's presenting problems and developmenta I level (e.g. ageappropriate targets such as increased texture or lumpiness in foods, chewing, and self-feeding for younger children). Management focused initially on	Methods	Outcomes and Results	Comments

Study					
details	Participants	Interventions	Methods	Outcomes and Results	Comments
		establishing			
		prerequisite			
		behaviours			
		(e.g. self-			
		feeding, chewing),			
		setting regular			
		mealtimes,			
		reducing			
		snacking			
		between			
		meals,			
		removing			
		distractions			
		from the meal setting, and			
		setting, and setting clear,			
		realistic, age-			
		appropriate			
		goals for			
		mealtime			
		behaviour and			
		the amount of			
		food to be			
		eaten.			
		Sessions 3, 4			
		and			
		5: involved in			
		vivo practice			
		for parents in			
		the use of			
		management			
		techniques learned, and			
		provided			
		therapist			
		feedback, via			
		practice			
		meals held in			
		the clinic. Also			
		addressed			

were the gradual increase of variety in the child's diet, following by fading and phasing out of parental prompts and the behaviour chart.  Session 6: covered maintenance and relapse-prevention training, which involved parents in generating solution to future high-risk waiting situations. Throughout treatment, parents were given homework tasks and provided with feedback on their use of management strategies. To facilitate treatment integrity in this experimental condition,	Study					
gradual increase of variety in the child's diet, following by fading and phasing out of parental prompts and the behaviour chart. Session 6: covered maintenance and relapse- prevention training, which involved parents in generating solution to future high- risk waiting situations. Throughout treatment, parents were given homework tasks and provided with feedback on their use of management strategies. To facilitate treatment integrity in this experimental condition,	details	Participants		Methods	Outcomes and Results	Comments
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parental prompts and the behaviour chart. Session 6: covered maintenance and relapse- prevention training, which involved parents in generating solution to future high- risk waiting situations. Throughout treatment, parents were given homework tasks and provided with feedback on their use of management strategies. To facilitate treatment integrity in this experimental condition,						
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6: covered maintenance and relapse-prevention training, which involved parents in generating solution to future high-risk waiting situations.  Throughout treatment, parents were given homework tasks and provided with feedback on their use of management strategies. To facilitate treatment integrity in this experimental condition,			chart.			
maintenance and relapse- prevention training, which involved parents in generating solution to future high- risk waiting situations. Throughout treatment, parents were given homework tasks and provided with feedback on their use of management strategies. To facilitate treatment integrity in this experimental condition,						
and relapse- prevention training, which involved parents in generating solution to future high- risk waiting situations. Throughout treatment, parents were given homework tasks and provided with feedback on their use of management strategies. To facilitate treatment integrity in this experimental condition,						
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generating solution to future high- risk waiting situations. Throughout treatment, parents were given homework tasks and provided with feedback on their use of management strategies. To facilitate treatment integrity in this experimental condition,						
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feedback on their use of management strategies. To facilitate treatment integrity in this experimental condition,						
their use of management strategies. To facilitate treatment integrity in this experimental condition,						
strategies. To facilitate treatment integrity in this experimental condition,						
strategies. To facilitate treatment integrity in this experimental condition,			management			
facilitate treatment integrity in this experimental condition,			strategies. To			
integrity in this experimental condition,						
experimental condition,						
condition,						
			experimental			
			treatment			

Study					
details	Participants		Methods	Outcomes and Results	Comments
		sessions			
		followed a			
		written, structured			
		therapy			
		protocol.			
		0			
		<u>Standard</u> <u>Dietary</u>			
		Education			
		(SDE)			
		This condition			
		was provided			
		within a			
		children's			
		hospital			
		outpatient			
		setting over 3 to 4 sessions			
		(of 30 mins			
		duration).			
		Parents			
		received			
		nutrition education			
		from a trained			
		dietitian,			
		relating to			
		food groups,			
		nutrient			
		requirements, age-			
		appropriate			
		food intake			
		and portion			
		sizes, age-			
		appropriate feeding			
		behaviour,			
		timing of			
		meals, the			

Study					
details	Participants	Interventions	Methods	Outcomes and Results	Comments
		mealtime setting, healthy eating guidelines and dietary myths and facts. Individual diet and menu planning was also conducted, including advice of palatability, and appearance and texture of food.			
		Although there was some overlap of information offered to the 2 treatment condition (i.e. age-appropriate intake and behaviour, mealtime setting, and feeding routines), the SDE condition provided no specific training in behaviour management, and no			

Study details	Participants	Interventions	Methods	Outcomes and Results	Comments
		practical skills training.			

## **G.11**<sup>1</sup> Monitoring

2

3 Not applicable for this review

#### **G.12**<sup>4</sup> Referral

5 Not applicable for this review

# **G.13**6 Organisation of care

Study details	Participa nts	Interventions	Methods		es and Res	sults				Comments
Full citation Wright, C.	Sample size N=229	Interventions  Structured health visitor management, with dietetic,	Details  Allocation to treatment:	Results o	of anthropol	metry at	home	visit:		s <u>Limitations</u>
M., Callum, J., Birks, E., Jarvis, S.,	randomis ed (n=120 interventi on ;	paediatric, and social work input as required. (A multidisciplinary group initially comprising a liaison	Twenty of the 38 primary care teams in Newcastle upon Tyne were randomly allocated by toss of a coin to take part in the		Intervent ion group	Contr ol group		Adjuste d mean differenc e	95% CI differen ce	assessed using the Cochrane risk of bias
Effect of community based managem	n=109 control) Character istics	health visitor and a research paediatrician, and a paediatric dietician. The staff provided introductory training	intervention.  Each team comprised 1-3 health visitors who dealt with	No. at home visit	68	65				checklist Sequence generation:
ent in failure to thrive: randomise	In the interventi on group there	for health visitors in the intervention practices as well as twice yearly sessions thereafter)	30-150 births annually. All children identified in these practices were offered intervention, and those in the	Age (month s)		46.1	0.01			Low risk of bias
d controlled trial, BMJ,	were n=64 males in	Control practices: records of the children identified in	remaining practices constituted controls.	Weight (SD score)	-0.93	-1.29	0.044			Allocation concealme nt: N/A
317, 571- 4, 1998	total; in the	control practices were checked by an independent	Intervention:							Blinding:

Study details	Participa nts	Interventions	Methods	Outcom	es and Re	esults					Comments
Ref Id	control group there	research assistant approximately annually during the study. This	Developed by the Parkin project, a multidisciplinary group (a liaison health visitor, a	Weight deficit*		0.90	0.016		0.02 to 0.64		N/A Incomplete
393237  Country where the	were n=54 males in total.	assistant then retrieved weights and medical information without notifying the health visitors. The	The staff provided introductory training for health visitors in the	Height (SD score)	-0.79	-1.13	0.034				Outcome data: Unclear risk
study was carried out	Inclusion criteria	control health visitors received no additional training or support and		Height deficit*		-0.58	0.061		-0.12 to 0.72		of bias.
UK <b>Study</b>	Children were identified	continued routine weighing of infants in the baby clinic. If they were concerned about any infant they were referred	In the intervention practices 120 cases of failure to thrive were identified; 23 had no additional input because they had	height: h	neight SD s	score min	us mid- <sub>l</sub>	lex; **adjus parental SI		rental	bias: possibility (16% loss
type  Controlled	using a screening programm	in a conventional manner	recovered to above the screening threshold before identification. Of the 97 eligible		of anthrop			Adjust	95% CI		to follow up in control compared
trial, randomise d by	e that required a minimum of two		children remaining, 95 (98%) received a standardised health visitor assessment at a mean		tion	Contro I group	P value	e mean differe nce	differe		to only 1 patient in intervention
primary care practice	weights to be entered		age of 15.6 (range 7-35) months.  Dietician input was accepted by	No. at last follow	120	109					group) Selective outcome re
Aim of the study	on the district child health		78 (80%) families. Once the families had completed a food diary for 3 days they were usually visited by the dietician,	Age (mont hs)	40.6	36.8	0.029				porting: Low risk of bias
evaluate the effectivene ss of a	computer for each infant. The		with the health visitor when special advice was offered. Occasionally advice was relayed by the health visitor.	Weigh	-1.16	-1.49	0.019				
health visitor led interventio n for	computer identified children as failing		Unless there was active hospital involvement (16 (16%) cases) a medical examination by the project paediatrician was	Weigh		-1.17	0.005	0.28	0.08 to 0.49		
failure to thrive in children under 2	to thrive if the second weight		offered. This was taken up by 60/81 (74%) of the families. After this the health visitor monitored the family and					 lex; **adjus parental SI		rental	
years old	standard deviation		forwarded weights to the project team until the infant had	received		eptions o	f child's	e interview early probl O)			

Study details	Participa nts	Interventions	Methods	Outcomes and Results				Comments
Study dates	score (SDS2) showed a		recovered.  In persisting cases (about one		Int group	Control group	P value	
October 1991- October 1993	fall from the baseline weight		third) the health visitors joined team meetings to discuss future management.	Service received from health visitor (1=bad, 5=excellent)	4.1 (0.96)	3.8 (1.1)	0.11	
Source of funding	(SDS1) at 6 weeks, after		In 16 (16%) children a referral was made for social work assessment either by social services or, later in the study, by a dedicated social worker; five others had already had social worker involvement at the time of identification  Children in control practices: The records of the 109 children identified in control practices	How often saw health visitor (1=v.worry,5=exciting)	3.4 (0.98)	3.2(0.98)	0.15	
Wellcome Trust, Newcastle Hospitals	adjustme nt for regressio n to the mean			How did you feel about having your child weighed? (1=v.worried,2=excited)	2.7 (1.6)	2.9(1.2)	0.62	
Special Trustees, and Henry Smith	using the thrive index method			How would you describe your child's appetite? (1=v.poor,5=eats all the time)				
Charity	(defined as SDS2-SD		were checked by an independent research assistant approximately annually during	At 1 year?	2.5 (1.7)	2.9(1.9)	0.17	
	S1 x 0.65).7		the study.	At time of interview?	3.4 (1.6)	2.9 (2.0)	0.03	
	The screening threshold used was a fall of 1.26 SD, equivalent to a centile shift from the 50th to between the 10th and 3rd centile, which identifies		This assistant then retrieved weights and medical information without notifying the health visitors.  The control health visitors received no additional training or support and continued routine weighing of infants in the baby clinic. If they were concerned about any infant they were referred in a conventional manner.  Outcome study:  A year after the close of recruitment all the children were	Total	68	66		

Study	Participa				
details	nts	Interventions	Methods	Outcomes and Results	Comments
	the 5% of		traced by a research nurse.		
	children with		The nurse offered a home visit when the child was aged over 3		
	slowest		years to collect basic		
	gain.		demographic and medical		
	Recruitme		information, as well as the		
	nt to the		parents' opinions, using a		
	study		structured interview.		
	began in		The infants' weight and height,		
	October 1991 and		and parental heights, were measured using portable		
	continued		electronic scales and a		
	for 2		Leicester height measure.		
	years. All		Any weights in personal child		
	children		health records were transcribed.		
	resident		For all children, clinic and		
	in Name and		primary care records were		
	Newcastl e and		reviewed, as well as hospital notes where necessary, to		
	born after		extract all recorded weights and		
	October		medical information.		
	1990				
	were				
	eligible for				
	inclusion.				
	Exclusio				
	n criteria				
	When a				
	pair of twins				
	screened				
	in, only				
	the first				
	twin				
	identified				
	was				
	included				
Full citation	Sample size	Interventions	Details	Results	Limitation
Citation	3126	Details about the	Specific methods about the	Anthropometric characteristics (z score) of children at the end	S

Study	Participa								0	
details	nts	Interventions	Methods	Outcomes and Results					Comments	
Hutcheson	Data were available	interventions have been	initial intervention have been	of the initial intervention and at age 4						Limitations
, J. J., Black, M.	on n=116	reported in Black, 1995.	reported in Black, 1995.	_	11					<u>assessed</u>
M., Talley,	children		The data collection was		End of initia			Age 4		using the
M.,	at the end		repeated again at age 4, when		intervention	n	'	nge <del>T</del>		Cochrane risk of bias
Dubowitz,	of the		the parent and child were		11	C		11	СО	checklist
H.,	interventi		seated at a small table and		HI			11	CO	CHECKIST
Howard, J.	on and on		asked to work on several	Mean		1	.5			
B., Starr,	74 at the		puzzles. During all videotaped	weight-for-	-1.7 (.6)		.0)	1.7 (.6)	-1.5 (.8)	
R. H., Jr.,	age 4		observations parents were	height (z)		(1	.0)			Attrition:
Thompson	follow-up		requested to behave as they did	Mean						
, B. S.,	visit. n=31		at home. The camera visible in	height-for-	-0.8(1.1)			0.8	-1.0	Baseline
Risk	children		the room, but did not require an	age (z)		(1	.1) (	1.0)	(1.1)	comparisor
status and	were lost		operator.	HI home intervention: CO clinic only						s using demographi
home	because		0							
interventio	they did		Outcome measures:							c and
n among children	not complete		Cognitive development: As at							dependent
with	the 4-year		baseline, children's cognitive							variables
failure-to-	evaluation		development was measured by							indicated
thrive:	(n=22		the Bayley Scales of Infant							no
follow-up	could not		Development (mean of 100 and							differences
at age 4,	be		a SD of 16). At age 4, children's							between those who
Journal of	assessed		cognitive development was							did and did
Pediatric	within 6		measured with the Batelle							not
Psycholog	months of		Developmental Inventory.							complete
y, 22, 651-	their 4-		· ·	Mean (SD) for children's cognitive development at baseline.					the 4-year	
68, 1997	year		Maternal psychological						evaluation,	
	birthday		functioning: measured at	close to interv	vention and ag	<u>ge 4</u>				except that
Ref Id	and n=9		baseline using a combination of		1	11	1			the mother
	could not		three subscales of the Brief		HI		co			who were
408649	be		Symptom Index (BSI). The BSI			Not	1	No	ot	included in
Country/i	located),		is a 53-item psychological symptom self-report scale in		Negative*	negative*	Negat	1VA*	egative*	the final
es where	and n=11 were lost		which respondents are asked to		1	97.9	91.8		5.2	sample
the study	due to		report on the frequency of	At baseline	96.6 (14.0)	(15.7)	(13.0)			were older
was	missing		symptoms over the preceding 7						1.6)	(M=25.3
carried	data on		days using a 4-point scale,	1 year after		86.1	865		).7	years,
out	outcome		ranging from not at all to	recruitment	NS	(16.8),NS	(18.0),	,NS (1	4.3),NS	SD=5.6)
	or		extremely. For the present		77.4	0.4.0	77.0			than mothers
USA	predictor		investigation, a composite score	Age 4	(18.3),P<.0	84.9	77.8		.6	who were
	variables.		combining scores on the		s //	(13.2),NS	(12.2),	,NS (1	7.9),NS	not

Study P	Participa				
	nts .	Interventions	Methods	Outcomes and Results	Comments
details n Study type   Ir c Follow-up of a RCT   A Aim of the study   Ir To extend the the findings of plack,   1995 by following the   C children in that study to age 4 gand by examining factors at that amoderate the effects of the winterventio in.   e Study adates   S Source of funding   Ir	-	Interventions	depression, hostility, and anxiety subscales was used.  Low scores on this scale are optimal, indicating less severe symptomatology. Scores on the BSI were transformed to z scores, based on the normative sample. Mothers were divided into negative and nonnegative groups using a median split.	Outcomes and Results  HI home intervention; CO clinic only; NS no significant; *negative and non-negative scores were obtained using a median split of the Brief Symptom Index (BSI).	included (M= 23.2, SD= 4.4, t= 2.02, p<.05). In addition to the main objective, this study intended to examine the moderating effects of risk status on the impact of home intervention. In order to assess the relative contribution s to FTT, 2 types of risk (demograp hic and maternal negative affectivity) and 2 levels of intervention were examined. It was hypothesiz

Study details	Participa nts	Interventions	Methods	Outcomes and Results	Comments
	ental disabilitie s that could interfere with growth developm ent.  Exclusio n criteria  Not reported				risk (either demographi c or maternal) will be more likely to evidence compromis ed developme nt in the area of cognitive developme nt, motor developme nt and interactive behaviour. Following the initial protocol, only maternal factors and cognitive developme nt were reported.
Full citation  Black, M. M., Dubowitz, H., Hutcheson, J., Berenson-Howard, J., Starr,	Sample size  N=130 (n=64 clinic + home interventi on [HI]; n=66 clinic only [CO]).	Interventions  All children received nutrition intervention at the growth and nutrition clinic. The home intervention (HI) was based on an ecologic model with The Hawaii Early Learning Program as a curriculum. HI was scheduled weekly during 1 year and was conducted by lay-home	Details  75% of the families were recruited from inner-city paediatric primary care clinics serving low-income families and the remaining families were recruited from community health maintenance organizations and paediatricians.  None had identified medical problems associated with their	Mean (SD) Mean Baseline and Postintervention Scores on Growth and Developmental Measures Adjusted for Maternal Education  Postinterv ention  Chan ge for the 12-	Limitations assessed using the Cochrane risk of bias checklist Sequence generation:

Study	Participa									
details	nts	Interventions	Methods	Outcomes	and Results	S	11	1		Comments
R. H., Jr., A randomize d clinical	Inclusion criteria	visitors and supervised by a community health nurse. Home visitors asked families about their strengths, needs,	growth deficiency, as determined by record review, physical examination, and laboratory assessment. Children						mont h perio d	Low risk of bias  Allocation
trial of home interventio	Age younger than 25	priorities and they developed an individualized family service plan with specific	were randomized to the HI or CO group.	N	28	28	26	34		concealme nt: Low risk of bias
n for children with failure to thrive, Pediatrics, 95, 807-	months; weight for age below the fifth percentile , base	goals and objectives. The home visitors did not weight the children or limit their attention to dietary intake or feeding. They addressed the parent-child relationship in	All children received a comprehensive clinical evaluation involving professionals from 5 disciplines: paediatrics, psychology, nutrition, social work, and	Weight for age + ໝ	-1.3(1.1)	-1.8(.6)	-1.1(1.0)	1 7( 7)	F=32. 23; P<.00 1	Blinding: Low risk of bias
14, 1995  Ref Id  378173	on the National Center for Health Statistics growth	multiple contexts, including feeding. Treatment integrity was assessed.	nursing, and were followed clinically as needed. Data were collected before treatment. All children received standardized anthropometric and developmental assessments,	Weight for height + ₪	-1.0(1.4)	-1.5(.5)	-0.8(1.1)	-1.3(.6)	F=13. 40; p=.00	Outcome data: Uncle ar risk of bias (the study did not address
Country/ie s where the study was carried out	charts; gestation al age of at least 36 weeks, birth		and a videotape was made of parents with their children during lunch. Additionally, parents received a 60 minute interview in which standardized questionnaires were	Height for age + অ	-0.8(1.1)	-0.7(1.1)	-1.0(1.0)	11-	F=9.9 4; F=0.0 02	this outcome)  Selective outcome reporting:
USA Study type RCT	weight appropriat e for gestation al age, and non-		administered including basic demographic information and parent functioning. One year after recruitment, the data collection was repeated, and 18 months after recruitment,	Cognitive develop ment ϖ Ξ	89.3(17.4)	81.9(12. 5)	86.1(18.7 )	80.8(15	F=44. 12; P<.00	Low risk of bias
Aim of the study  To evaluate the efficacy of a home-	significant history of perinatal complicati ons, congenital disorders, chronic		families received home visits by a research assistant blinded to intervention status. The visitor remained in the home for approximately 40 minutes and observed the child and family together.	weight for h	nigh score neight and he Intervention, recruitment	eight for ag	e			
based intervention on the	illnesses, or developm		Statistical analyses: the efficacy of the program was evaluated separately for infants and							

Study	Participa				
details	nts	Interventions	Methods	Outcomes and Results	Comments
growth	ental		toddlers, and children were		
and	disabilitie		examined in both laboratory and		
developm	s that		home settings. Repeated-		
ent of	could		measures multivariate analyses		
children	interfere		of covariance were used to		
with	with		examine changes in the		
nonorgani	growth		dependent variables during the		
c failure to	developm		intervention period. The		
thrive	ent.		independent variables were		
(NOFTT)			intervention status, age at		
	Exclusio		recruitment, and change over		
Study	n criteria		time. Because maternal		
dates			education is often associated		
	Not		with developmental outcome, it		
Not	reported		was included as a covariate in		
reported			all analyses. To account for		
			differences in initial growth		
Source of			status, weight for height and		
funding			height for age at recruitment		
			were also included as		
Maternal			covariated, except when the		
and Child			analyses examined changes in		
Health			growth.		
Research					
Program.					
			Outcome measures:		
			Growth: determined using age-		
			and gender- specific charts from		
			the National Center for Health		
			Statistics to convert raw weight		
			and height to percentiles of		
			weight for age, height for age,		
			and weight for height. To		
			account for genetic		
			contributions to stature, the		
			children's height for age was		
			adjusted by mean parental		
			height. Data were converted to		
			SD scores (z scores) for ease of		
			comparison across ages.		
			Cognitive development: as		

Study details	Participa nts	Interventions	Methods	Outcomes and	Results			Comments		
			measured by the Bayley Scales of Infant Development.							
Full citation	Sample size	Interventions	Details	Results				Limitation s		
Black, M.	Failure to	HI was scheduled weekly during 1 year and was	Infants with FTT or AG were recruited from paediatric		FTT-HI	FTT-CO	AG	See Black		
M., Dubowitz, H., Krishnaku mar, A., Starr Jr, R.	thrive (FTT) group; n=96 (n=47 HI group;	conducted by lay-home visitors and supervised by a community health nurse. Home visitors asked families about their strengths, needs, priorities and they developed	primary care clinics and were matched by gender, race, and socioeconomic status, defined by marital status and dependence on public assistance.	matched by gender, race, and socioeconomic status, defined by marital status and dependence on public	wisitors and supervised by a matched by gender, race, and socioeconomic status, defined by marital status and dependence on public assistance.	Height for age, z scorea,b	-0.22 (1.06)f	-0.62 (0.93)g	0.40 (1.02)f,g	1995
H., Early intervention and recovery among	n=49 CO group) Adequate growth (AG)	service plan with specific goals and objectives. The home visitors did not weight the children or limit their	more than 90% agreed to participate in the initial evaluation that included measures of growth.	ВМІа,ь	16.98 (4.34)h	15.70 (2.28)f,h	17.84 (3.59)f			
children with failure to thrive:	group; n= 93	attention to dietary intake or feeding. They addressed the parent-child relationship in multiple contexts, including	standardized developmental assessments, and a 60-minute interview of questionnaires of	IQa,c,d	85.31 (12.09)	87.66 (14.80)	87.20 (13.54)			
Follow-up at age 8, Pediatrics, 120, 59-69, 2007  Ref Id  442142  Country where the study was carried out  USA  Study type	Age younger than 25 months; birth weight ≥ 2500 g; gestation al age of at least 36 weeks, birth weight appropriat e for gestation al age, and non	feeding. Treatment integrity was assessed.	demographics, children's behaviour, and maternal and family functioning. Children with FTT were treated in an interdisciplinary clinic. Based on a randomization procedure, stratified by race, gender and infant age, children with FTT were randomized to receive either the clinical intervention plus home intervention (FTT-HI) or the clinical intervention only (FTT-CO).	assista b) Adjuste c) Adjuste d) Multiva variabl (p<.05 e) Multiva variabl (p<.05	s index; IQ Intelled for maternal ance ed for maternal ed for maternal ariate analysis cles significant u ) ariate analysis cles significant u ) ariate analysis cles significant u )	igence quotient education and height and BMI IQ and HOME of variance differ sing pairwise co	receipt of public rences between omparisons rences between omparisons			

Study	Participa				
details	nts	Interventions	Methods	Outcomes and Results	Comments
Longitudin	significant				
al study	history of				
·	perinatal				
Aim of	complicati				
the study	ons,				
•	congenital				
To	disorders,				
examine	chronic				
the long-	illnesses,				
term	or				
impact of	developm				
home-	ental				
based	disabilitie				
interventio	s that				
n on	could				
children's	interfere				
growth	with				
and	growth				
cognitive	developm				
performan	ent.				
ce at age					
8.	Children				
	in the FTT				
Study	group had				
dates	to meet 1				
	of 2				
Infants	criteria				
were	using				
recruited	age- and				
from 1989-	gender-				
1992	specific				
	National				
Source of	Center for				
funding	Health				
J	Statistics				
Maternal	charts:				
and Child	sustained				
Health	weight for				
Research	age < 5th				
Program,	percentile				
US	or weight				
Departme	for lenght				

details nt of
Health and Human Services, and grants to the Consortiu m for to met 2 Congitudin al Studies on Child Abuse and Neglect (LONGSC AN) from the percentile children's Bureau, Office on Child Abuse and Neglect, Administra tion for
Youth, and Families.
Full Sample Interventions Details Results Limitation
citation size  Children in both groups Subjects were recruited from all Growth and development before and after intervention
Raynor, n= 83 (n attended the consultant led children referred to a failure to Limitations
P., Rudolf, =42 outpatient clinic. In addition, thrive clinic by general Interventi assessed
M. C., interventi the intervention group practitioners, health visitors,   on group
K. $n=41$ visiting from a specialist officers. A blocked $\ \mathbf{Before}\ _{\mathbf{After}}$ $\ \mathbf{\Delta}\ _{\mathbf{After}}$
Marchant, control health visitor for a period of 1 randomisation table for mean mean mean mean mean mean mean mean
P., group). year. During the health allocation and cards were (SD) (SD) (SD) (CD) (CD)
toking intervention, an initial placed into coquentially
D. A. Inclusion assessment was carried out in numbered opaque sealed Number   Number
D., A Inclusion assessment was carried out numbered opaque sealed randomise criteria by weekly visits, lasting 60- envelopes by an independent sealed envelopes by an independent sealed envelopes by an independent sealed sealed envelopes by an independent sealed

Study	Participa	Interventions	Mathada	Outcome	o and Dag	ulta					Comments
details	nts	Interventions	Methods		s and Res						Comments
controlled trial of specialist	Age 4-30 months and	week period within the home. The assessment included a semi-structured interview,	stratified according to age (below and above 12 months of age) and birth weight to ensure	SD score	(0.78)		(0.39 to 0.79)	(0.82)	(0.89)	(0.22 to 0.62)	Allocation concealme
health visitor interventio n for	weight below the third centile, or	observation of a mealtime, and assessment of parent-child interactions.	equal distribution across the groups.  Outcome measures:	Height SD score	-1.71 (1.0)	-1.78 (0.67)	-0.07 (- 0.28 to 0.14)	-1.56 (1.0)	-1.76 (1.1)	-0.20 (-0.47 t 0.07)	nt: Low risk of bias  Blinding:
failure to thrive,	decelerati on in	The focus of work was orientated towards the child's	Growth: children were weighed	Numbe r	38	38	38	27	27	27	Low risk of bias
Archives of Disease in Childhood, 80, 500-6,	weight gain over 2 centile channels, in the	poor growth and interventions were planned in conjunction with the family, focusing on eating behaviour.	and measured using SECA digital baby scales and the Harpenden infantometer. Growth was charted on the child growth foundation charts and	Mental develo pmenta I index	84.3 (14.2)	(15.1)	2.2 (- 1.2 to 5.5)	83.0 (10.8)	86.8 (14.6)	3.8 (- 0.9 to 8.6)	Incomplete Outcome data: Low risk of bias
1999 Ref Id	absence of organic disease. Children	Additionally, the health visitor's work was also focused on mealtime management and alleviation	converted to SD scores using the Castlemead growth package Cognitive development: measured using the Bayley		cant differe the groups					ıres	Selective outcome re porting:
409153 <b>Country</b>	from all birth weights	of stress experienced during mealtimes, advice in relation with the child's nutritional	scales of infant development II (BSID II 1993).  Referrals, hospital attendance and admissions, and family				Low risk of bias				
where the	and	needs in terms of amount,	Referral to support services: at	t health visitor visits							
study was carried out	maturity were included.	frequency, types of food Families also got counselling on personal problems and	the end of the study, the levels of support services provided to children in both groups were			ntervent	io Con		P value		
United Kingdom	Exclusio n criteria	were referred to specialist agencies to help in dealing with difficulties such as marital conflict, domestic	compiled and compared. Hospital notes were reviewed for attendances and non-attendances at the FTT clinics.	Referred commun dieticiar	d to	/42	12/4		<0.001*	r	
Study type	Those whose main	violence, housing issues and financial problems.	admissions to hospital, and referrals to other agencies (including community dietician).	Missed appoints	ent 5/	37	14/3	7	0.017 Ξ		
Aim of the study	caregiver s were not English		A random sample of 25 family health visitor client notes for both the number of home visits	Number children admitted hospital	d to	37	14/3	7	0.036 Ξ		
To determine whether home interventio	speakers, because regular interpreter s were not		carried out, and unproductive visits (family not at home at the appointed time).  Data analysis: data was analysed on the basis of	Number families unprodufamily h	with ≥2 uctive ealth	12	6/13		0.015*		

Study	Participa				
details	nts	Interventions	Methods	Outcomes and Results	Comments
n by a specialist health visitor affects the outcome of children with failure to thrive (FTT).  Study dates  From April 1994 to February 1996  Source of funding  Northern and Yorkshire Region Research and Developm ent Unit.	available.		intention to treat. Results are shown as the mean and SD, with 95% confidence intervals (CI) calculated where appropriate. The following data were approximately normally distributed and were tested using the independent sample t test: change in weight and height SD scores, Bayley MDI and PDI, and percentage of expected average requirement for age. In addition, the weight data were analysed for numbers of children in each group awaiting an increase in weight SD score (⊥wtsds) of >0.25 SD and > 0.5 SD, and compared by Fisher's exact test.	* Fisher's exact test; ≡ X2 test; ≡ taken from a random sample	

# **G.14**<sup>2</sup> Information and support

3 Not applicable for this review

4

#### **G.15**<sup>1</sup> Health economics

2 Not applicable for this review

3

4

# 2 Appendix H: Excluded studies

# H.13 Weight loss in the first days of life

Reference	Reason for exclusion
Bakar, F. T., Ozen, A., Karatepe, H. O., Berber, M., Ercan, H., Impact of early weight loss on growth of Caesarean delivered babies: how long does it last?, Child: Care, Health & Development, 38, 706-13, 2012	Small sample size (<500 participants)
Burwick, R., Shipp, T., Early neonatal weight loss differs by mode of delivery in healthy term and late preterm neonates, American Journal of Obstetrics and Gynecology, 1), S91, 2012	Small sample size (<500)
Butler, D. A., MacMillan, J. P., Relationship of breast feeding and weight loss to jaundice in the newborn period: review of the literature and results of a study, Cleveland Clinic Quarterly, 50, 263-8, 1983	The study provided data of excess weight loss in relation to milk supply but not on normal weight loss
Caglar, M. K., Ozer, I., Altugan, F. S., Risk factors for excess weight loss and hypernatremia in exclusively breast-fed infants, Brazilian Journal of Medical & Biological Research, 39, 539-44, 2006	Small sample size (<500)
Catov, J. M., Lee, M. J., Xu, J., Simhan, H. N., Decreasing birth weight among term pregnancies: Are babies getting smaller?, Reproductive Sciences, 1), 103A, 2013	This abstract does report on small & large for gestational age and mean birth weight in term infants, but not on weight loss
Centre for Reviews and Dissemination, Early parenteral nutrition and growth outcomes in preterm infants: a systematic review and meta-analysis (Provisional abstract), Database of Abstracts of Reviews of Effects, 2015	No data on weight loss was reported
Chang, R. J., Chou, H. C., Chang, Y. H., Chen, M. H., Chen, C. Y., Hsieh, W. S., Tsao, P. N., Weight loss percentage prediction of subsequent neonatal hyperbilirubinemia in exclusively breastfed neonates, Pediatrics & Neonatology, 53, 41-4, 2012	Weight loss percentage is only reported by incidence of hyperbilirubinemia: which was not one of the outcomes reported in the protocol – please see report on thresholds associated with adverse events
Chantry, C. J., Nommsen-Rivers, L. A., Peerson, J. M., Cohen, R. J., Dewey, K. G., Excess weight loss in first-born breastfed newborns relates to maternal intrapartum fluid balance, Pediatrics, 127, e171-e179, 2011	Small sample size (<500)
Chen, C. F., Hsu, M. C., Shen, C. H., Wang, C. L., Chang, S. C., Wu, K. G., Wu, S. C., Chen, S. J., Influence of breast-feeding on weight loss, jaundice, and waste elimination in neonates, Pediatrics & Neonatology, 52, 85-92, 2011	Small sample size (<500)
Cohn, A., A simple method for assessing if weight loss is greater or less than 10%, Archives of Disease in Childhood, 90, 88, 2005	No data on weight loss was reported
Cole, T. J., Statnikov, Y., Santhakumaran, S., Pan, H., Modi, N.,	No data on weight loss was

Deference	December evaluation
Reference  Rith weight and longitudinal growth in infants harn holew 22	Reason for exclusion
Birth weight and longitudinal growth in infants born below 32 weeks' gestation: A UK population study, Archives of Disease in Childhood: Fetal and Neonatal Edition, 99, F34-F40, 2014	reported
Crossland, D. S., Richmond, S., Hudson, M., Smith, K., Abu-Harb, M., Weight change in the term baby in the first 2 weeks of life, Acta Paediatrica, International Journal of Paediatrics, 97, 425-429, 2008	Small sample size (<500)
Flaherman, V. J., Beiler, J. S., Cabana, M. D., Paul, I. M., Relationship of newborn weight loss to milk supply concern and anxiety: the impact on breastfeeding duration, Maternal & Child Nutrition, 12, 463-72, 2016	The study provided data of excess weight loss in relation to milk supply but not on normal weight loss
Flaherman, V. J., McKean, M., Cabana, M. D., The effect of birth weight on exclusive breastfeeding through 3 months, Breastfeeding Medicine, 6, S10, 2011	Small sample size (<500)
Fonseca, M. J., Santos, A. C., Umbilical cord blood adipokines and newborn weight change.[Erratum appears in Arch Gynecol Obstet. 2016 Jan;293(1):229], Archives of Gynecology & Obstetrics, 291, 1037-40, 2015	Small sample size (<500)
Gianni, M. L., Roggero, P., Orsi, A., Piemontese, P., Garbarino, F., Bracco, B., Garavaglia, E., Agosti, M., Mosca, F., Body composition changes in the first 6 months of life according to method of feeding, Journal of Human Lactation, 30, 148-55, 2014	No data on weight loss was reported
Henrichs, J., Schenk, J. J., Roza, S. J., van den Berg, M. P., Schmidt, H. G., Steegers, E. A., Hofman, A., Jaddoe, V. W., Verhulst, F. C., Tiemeier, H., Maternal psychological distress and fetal growth trajectories: the Generation R Study, Psychological Medicine, 40, 633-43, 2010	No data on weight loss was reported
Kirchengast, S., Hartmann, B., Association between maternal age at menarche and newborn size, Social Biology, 47, 114-26, 2000	No data on weight loss was provided
Manganaro, R., Marseglia, L., Mami, C., Palmara, A., Paolata, A., Loddo, S., Gargano, R., Mondello, M., Gemelli, M., Breast milk sodium concentration, sodium intake and weight loss in breast-feeding newborn infants, British Journal of Nutrition, 97, 344-8, 2007	Small sample size (<500)
Marchini, G., Fried, G., Ostlund, E., Hagenas, L., Plasma leptin in infants: relations to birth weight and weight loss, Pediatrics, 101, 429-32, 1998	Small sample size (<500)
Martin-Calama, J., Bunuel, J., Valero, M. T., Labay, M., Lasarte, J. J., Valle, F., de Miguel, C., The effect of feeding glucose water to breastfeeding newborns on weight, body temperature, blood glucose, and breastfeeding duration, Journal of Human Lactation, 13, 209-13, 1997	Small sample size (<500)
Mezzacappa, M. A., Ferreira, B. G., Excessive weight loss in exclusively breastfed full-term newborns in a Baby-Friendly Hospital, Revista Paulista de Pediatria, 34, 281-6, 2016	Setting is a low income country (Brazil)
Moyses, H. E., Johnson, M. J., Leaf, A. A., Cornelius, V. R., Early parenteral nutrition and growth outcomes in preterm infants: a systematic review and meta-analysis, American Journal of Clinical Nutrition, 97, 816-26, 2013	No data on weight loss has been reported
Nastasi, S., McNamara, J., Wyble, J., Weiss, L., Wyble, L.,	Abstract only, N=651 but

Reference	Reason for exclusion
Williams, M., Post delivery weight loss for exclusively or nearly exclusively breastfed infants in a suburban, non-teaching, lower minority, baby-friendly hospital, Breastfeeding Medicine, 8, S10-S11, 2013	insufficient detail to include in the analysis (e.g. does not report the number born vaginally versus caesarean section)
Noel-Weiss, J., Courant, G., Woodend, A. K., Physiological weight loss in the breastfed neonate: a systematic review, Open Medicine: A Peer-reviewed, Independent, Open-access Journal, 2, e99-e110, 2008	This systematic review included 3 studies from low income countries and 3 studies with small sample size (<500). The remaining 2 studies (Macdonald and Manganaro) have been retrieved for inclusion in the review
Oddie, S. J., Craven, V., Deakin, K., Westman, J., Scally, A., Severe neonatal hypernatraemia: a population based study, Archives of Disease in Childhood Fetal & Neonatal Edition, 98, F384-7, 2013	Small sample size (<500)
Preer, G. L., Newby, P. K., Philipp, B. L., Weight loss in exclusively breastfed infants delivered by cesarean birth, Journal of Human Lactation, 28, 153-8, 2012	Small sample size (<500)
Puscasiu, L., Roman, H., Newman, R., Hulsey, T. F., Hulsey, T. C., Mircea, O., Association of pre-pregnant body mass index and gestational weight gain with the timing of delivery and fetal growth in singletons, Gineco.eu, 9, 161-166, 2013	No infants were included in this study (only women)
Schaefer, E. W., Flaherman, V. J., Kuzniewicz, M. W., Li, S. X., Walsh, E. M., Paul, I. M., External Validation of Early Weight Loss Nomograms for Exclusively Breastfed Newborns, Breastfeeding Medicine: The Official Journal of the Academy of Breastfeeding Medicine, 10, 458-63, 2015	No data on weight loss was reported
Tarcan, A., Tiker, F., Vatandas, N. S., Haberal, A., Gurakan, B., Weight loss and hypernatremia in breast-fed babies: frequency in neonates with non-hemolytic jaundice, Journal of Paediatrics & Child Health, 41, 484-7, 2005	Small sample size (<500)
Timmermans, S., Jaddoe, V. W., Hofman, A., Steegers-Theunissen, R. P., Steegers, E. A., Periconception folic acid supplementation, fetal growth and the risks of low birth weight and preterm birth: the Generation R Study, British Journal of Nutrition, 102, 777-85, 2009	This study reports on associations between periconception folic acid supplementation and fetal growth but does not report on weight loss in babies
van Dommelen, P., Boer, S., Unal, S., van Wouwe, J. P., Charts for weight loss to detect hypernatremic dehydration and prevent formula supplementing, Birth, 41, 153-9, 2014	No data on weight loss was reported
Zuppa, A. A., Sindico, P., Antichi, E., Carducci, C., Alighieri, G., Cardiello, V., Cota, F., Romagnoli, C., Weight loss and jaundice in healthy term newborns in partial and full rooming-in, Journal of Maternal-Fetal & Neonatal Medicine, 22, 801-5, 2009	The feeding models (partial and full rooming-in) are not relevant for the protocol of this review

# **H.2**<sup>2</sup> Thresholds for faltering growth

Reference	Reason for Exclusion
Reference	REASON TO EXCUISION

Reference	Reason for Exclusion
Argyle, J., Approaches to detecting growth faltering in infancy and childhood, Annals of Human Biology, 30, 499-519, 2003	Narrative study; relevant definition or outcomes for the protocol not included
Batchelor, J. A., Has recognition of failure to thrive changed?, Child: Care, Health & Development, 22, 235-40, 1996	Small sample size (n=310)
Bouma, S., Diagnosing Pediatric Malnutrition: Paradigm Shifts of Etiology-Related Definitions and Appraisal of the Indicators, Nutrition in Clinical Practice, 20, 20, 2016	Narrative review
Briend, A., Bari, A., Critical assessment of the use of growth monitoring for identifying high risk children in primary health care programmes, BMJ (Clinical research ed.), 298, 1607-11, 1989	Setting is a low income country
Briones, E., Perea, E., Ruiz, M. P., Torro, C., Gili, M., The Andalusian Nutritional Survey: comparison of the nutritional status of Andalusian children aged 6-60 months with that of the NCHS/CDC reference population, Bulletin of the World Health Organization, 67, 409-16, 1989	Study focused on reporting prevalence only
Butte, N. E., Garza, C., de Onis, M., Evaluation of the feasibility of international growth standards for school-aged children and adolescents, Food & Nutrition Bulletin, 27, S169-74, 2006	Narrative review; relevant population, definition or outcomes have not been included
de Onis, M., Garza, C., Victora, C. G., The WHO Multicentre Growth Reference Study: strategy for developing a new international growth reference, Forum of Nutrition, 56, 238-40, 2003	This is a review study
Din, Z. U., Emmett, P., Steer, C., Emond, A., Growth outcomes of weight faltering in infancy in ALSPAC, Pediatrics, 131, e843-e849, 2013	This study did not report on thresholds. Will be included in the growth monitoring review.
Din, Z., Emmett, P. M., Emond, A. M., Do infants with weight faltering subsequently catch-up?, Archives of Disease in Childhood, 96, A14, 2011	This is a conference abstract of a included study in this systematic review (Din, 2013)
Drotar, D., Pallotta, J., Eckerle, D., A prospective study of family environments of children hospitalized for nonorganic failure-to-thrive, Journal of Developmental & Behavioral Pediatrics, 15, 78-85, 1994	No relevant outcomes have been reported
Eisenegger, C., Allenspach-Moser, S., Lallemand, D., Who growth charts replacing national reference data: Their influence on screening for over-or underweight and of growth disorders, Hormone Research in Paediatrics, 82, 410, 2014	Narrative study; not relevant outcomes included
Emond, A. M., Blair, P. S., Emmett, P. M., Drewett, R. F., Weight faltering in infancy and IQ levels at 8 years in the Avon Longitudinal Study of Parents and Children, Pediatrics, 120, e1051-8, 2007	This study did not report on thresholds. Will be included in the growth monitoring review.
Flegal, K. M., Wei, R., Ogden, C., Weight-for-stature compared with body mass index-for-age growth charts for the United States from the Centers for Disease Control and Prevention, American Journal of Clinical Nutrition, 75, 761-766, 2002	Study does not report any of the outcomes relevant for the protocol
Fredriks, A. M., van Buuren, S., van Heel, W. J., Dijkman-Neerincx, R. H., Verloove-Vanhorick, S. P., Wit, J. M., Nationwide age references for sitting height, leg length, and sitting height/height ratio, and their diagnostic value for disproportionate growth disorders, Archives of Disease in Childhood, 90, 807-12, 2005	Population included is not relevant for the protocol
Heltshe, S. L., Borowitz, D. S., Leung, D. H., Ramsey, B., Mayer-Hamblett, N., Early attained weight and length predict growth faltering better than velocity measures in infants with CF, Journal	Indirect population

Reference	Reason for Exclusion
of Cystic Fibrosis, 13, 723-9, 2014	
Holme, A. R., Blair, P. S., Emond, A. M., Psychosocial and educational outcomes of weight faltering in infancy in ALSPAC, BMJ Open, 3 (7) (no pagination), 2013	Outcomes considered in this study (educational, psychosocial) are not included in the protocol
Isanaka, S., Villamor, E., Shepherd, S., Grais, R. F., Assessing the impact of the introduction of the World Health Organization growth standards and weight-for-height z-score criterion on the response to treatment of severe acute malnutrition in children: secondary data analysis, Pediatrics, 123, e54-9, 2009	Setting is a low income country
Kerac, M., Egan, R., Mayer, S., Walsh, A., Seal, A., New WHO growth standards: roll-out needs more resources, Lancet, 374, 100-2, 2009	Narrative study; definition for growth is based on population from low income countries
Kerac, M., Seal, A., Blencowe, H., Bunn, J., Improved assessment of child nutritional status using target weights and a novel, low-cost, weight-for-height slide chart, Tropical Doctor, 39, 23-6, 2009	Review study focused on presenting a slide chart, not relevant for the protocol
Mackner, L. M., Starr, R. H., Jr., Black, M. M., The cumulative effect of neglect and failure to thrive on cognitive functioning, Child Abuse & Neglect, 21, 691-700, 1997	The study looked at associations between failure to thrive, cognitive functioning and neglect and did not present with a comparison group
Mwangome, M. K., Berkley, J. A., The reliability of weight-for-length/height Z scores in children, Maternal & Child Nutrition, 10, 474-80, 2014	Low income countries are the setting of the included studies in this systematic review
Nash, A., Corey, M., Sherwood, K., Secker, D., Saab, J., O'Connor, D. L., Growth assessment in infants and toddlers using three different reference charts, Journal of Pediatric Gastroenterology & Nutrition, 40, 283-8, 2005	Study did not include any of the relevant outcomes for the protocol
Olsen, E. M., Failure to thrive: still a problem of definition, Clinical Pediatrics, 45, 1-6, 2006	Narrative review
Olsen, E. M., Skovgaard, A. M., Weile, B., Jorgensen, T., Risk factors for failure to thrive in infancy depend on the anthropometric definitions used: the Copenhagen County Child Cohort, Paediatric and Perinatal Epidemiology, 21, 418-31, 2007	The included population in this study is not followed up; any of the outcomes included in the protocol is included
O'Neill, S. M., Hannon, G., Khashan, A. S., Hourihane, J. O. B., Kenny, L. C., Kiely, M., Murray, D. M., Thin-for-gestational age infants are at increased risk of neurodevelopmental delay at 2 years, Archives of Disease in Childhood., 20, 2016	Weight data was reported at at birth only.
Pelletier, D., Theoretical considerations related to cutoff points, Food & Nutrition Bulletin, 27, S224-36, 2006	Population and outcomes not relevant for the study protocol
Pritchard, N., A practical approach to the assessment of faltering growth in the infant and toddler, Paediatrics and Child Health (United Kingdom), 25, 433-436, 2015	Narrative review
Raynor, P., Rudolf, M. C., Anthropometric indices of failure to thrive, Archives of Disease in Childhood, 82, 364-5, 2000	Study under 500 participants
Samson-Fang,L.J., Stevenson,R.D., Identification of malnutrition in children with cerebral palsy: poor performance of weight-for-height centiles, Developmental Medicine and Child Neurology, 42, 162-168, 2000	Small sample size; not relevant outcomes were listed
Seal, A., Kerac, M., Operational implications of using 2006 World Health Organization growth standards in nutrition programmes: secondary data analysis, BMJ, 334, 733, 2007	Setting is a low income country
Shah, P. S., Wong, K. Y., Merko, S., Bishara, R., Dunn, M., Asztalos, E., Darling, P. B., Postnatal growth failure in preterm	Excluded on the basis of small sample size (n=221)

Reference	Reason for Exclusion
infants: ascertainment and relation to long-term outcome, Journal of Perinatal Medicine, 34, 484-9, 2006	
Simondon, K. B., Simondon, F., Cornu, A., Delpeuch, F., The utility of infancy weight curves for the prediction of linear growth retardation in preschool children, Acta Paediatrica Scandinavica, 80, 1-6, 1991	Study conducted in a low income country
Steward, D. K., Ryan-Wenger, N. A., Boyne, L. J., Selection of growth parameters to define failure to thrive, Journal of Pediatric Nursing, 18, 52-9, 2003	Narrative review
Vesel, L., Bahl, R., Penny, M., Kirkwoodd, B. R., Arthur, P., Morris, S., Amenga-Etego, S., Zandoh, C., Boahen, O., Bhandari, N., Bhan, M. K., Wahed, M. A., Lanata, C. F., Butron, B., Huapaya, A. R., Rivera, K. B., Moulton, L. H., Ram, M., Kjolhede, C. L., Propper, L., Martines, J., Underwood, B., Use of new World Health Organization child growth standards to assess how infant malnutrition relates to breastfeeding and mortality, Bulletin of the World Health Organization, 88, 39-48, 2010	Population sourced from a low income country
Vignerova, J., Paulova, M., Shriver, L. H., Riedlova, J., Schneidrova, D., Kudlova, E., Lhotska, L., The prevalence of wasting in Czech infants: a comparison of the WHO child growth standards and the Czech growth references, Maternal & Child Nutrition, 8, 249-58, 2012	Population included in this study is not followed up, relevant outcomes have not been included
Wang, Y., Moreno, L. A., Caballero, B., Cole, T. J., Limitations of the current world health organization growth references for children and adolescents, Food & Nutrition Bulletin, 27, S175-88, 2006	Narrative study; the focus is on overweight and obesity
Whitehead, R. G., Paul, A. A., Growth charts and the assessment of infant feeding practices in the western world and in developing countries, Early Human Development, 9, 187-207, 1984	Narrative review
Wilcox, W. D., Nieburg, P., Miller, D. S., Failure to thrive. A continuing problem of definition, Clinical Pediatrics, 28, 391-4, 1989	Narrative review
Wright, C. M., Identification and management of failure to thrive: a community perspective, Archives of Disease in Childhood, 82, 5-9, 2000	Narrative study; definition of criteria and outcomes do not match the study protocol
Wright, C. M., Garcia, A. L., Child undernutrition in affluent societies: what are we talking about?, Proceedings of the Nutrition Society, 71, 545-55, 2012	This study did not report on thresholds. Will be included in the growth monitoring review.
Wright, C. M., Sachs, M., Short, J., Sharp, L., Cameron, K., Moy, R. J., Designing new UK-WHO growth charts: implications for health staff use and understanding of charts and growth monitoring, Maternal & Child Nutrition, 8, 371-9, 2012	Small sample size; study does not match the population directness and outcomes as defined by the protocol
Wright, C. M., Talbot, E., Screening for failure to thrivewhat are we looking for?, Child: Care, Health & Development, 22, 223-34, 1996	Narrative study, no relevant population or outcomes have been included
Wright, C., Avery, A., Epstein, M., Birks, E., Croft, D., New chart to evaluate weight faltering, Archives of Disease in Childhood, 78, 40-3, 1998	Study does not meet the population directness or outcomes as defined by the procol
Wright, J. A., Ashenburg, C. A., Whitaker, R. C., Comparison of methods to categorize undernutrition in children, Journal of Pediatrics, 124, 944-6, 1994	Study under 500 participants

## H.31 Weight loss associated with adverse outcomes

Reference Reason for Exclusion

Reference	Reason for Exclusion
Aka, N., Arpaci,, Vural, F., Kose, G., Perinatal and neonatal outcomes of maternal heart diseases, Clinical and Experimental Obstetrics and Gynecology, 43, 560-564, 2016	Comorbid heart disease population
Auth, M. K. H., Vora, R., Kokai, G., Investigation of chronic diarrhoea, Paediatrics and Child Health (United Kingdom), 26, 423-432, 2016	Narrative review
Bakar, F. T., Ozen, A., Karatepe, H. O., Berber, M., Ercan, H., Impact of early weight loss on growth of Caesarean delivered babies: how long does it last?, Child: Care, Health & Development, 38, 706-13, 2012	No comparison group
Bertini, G., Breschi, R., Dani, C., Physiological weight loss chart helps to identify high-risk infants who need breastfeeding support, Acta Paediatrica, 104, 1024-7, 2015	No comparison group
Bertino, E., Coscia, A., Mombro, M., Boni, L., Rossetti, G., Fabris, C., Spada, E., Milani, S., Postnatal weight increase and growth velocity of very low birthweight infants, Archives of Disease in Childhood Fetal & Neonatal Edition, 91, F349-56, 2006	No appropriate comparison group
Buehler, J. W., Kleinman, J. C., Hogue, C. J., Strauss, L. T., Smith, J. C., Birth weight-specific infant mortality, United States, 1960 and 1980, Public Health Reports, 102, 151-61, 1987	Reports mortality risk by birth weight
Caglar, M. K., Ozer, I., Altugan, F. S., Risk factors for excess weight loss and hypernatremia in exclusively breast-fed infants, Brazilian Journal of Medical & Biological Research, 39, 539-44, 2006	Not high income country study
Centre for Reviews and Dissemination, Low birth weight or diagnosis, which is a higher risk: a meta-analysis of observational studies (Provisional abstract), Database of Abstracts of Reviews of Effects, 2015	Population is newborns with LBW and congenital heart disease.
Chen, C. F., Hsu, M. C., Shen, C. H., Wang, C. L., Chang, S. C., Wu, K. G., Wu, S. C., Chen, S. J., Influence of breast-feeding on weight loss, jaundice, and waste elimination in neonates, Pediatrics & Neonatology, 52, 85-92, 2011	No relevant data
Ericson, J. E., Arnold, C., Cheeseman, J., Cho, J., Kaneko, S., Wilson, E., Clark, R. H., Benjamin, D. K., Chu, V., Smith, P. B., Hornik, C. P., Use and safety of erythromycin and metoclopramide in hospitalized infants, Journal of Pediatric Gastroenterology and Nutrition, 61, 334-339, 2015	Does not use weight loss threshold
Flaherman, V. J., Bokser, S., Newman, T. B., First-day newborn weight loss predicts in-hospital weight nadir for breastfeeding infants, Breastfeeding Medicine: The Official Journal of the Academy of Breastfeeding Medicine, 5, 165-8, 2010	Data only for effect of 4-5% weight loss on outcome of eventual 10% weight loss
Flaherman, V. J., Kuzniewicz, M. W., Li, S., Walsh, E., McCulloch, C. E., Newman, T. B., First-day weight loss predicts eventual weight nadir for breastfeeding newborns, Archives of Disease in Childhood Fetal & Neonatal Edition, 98, F488-92, 2013	Study examining assoc. bt high weight loss (5%) during first 24h birth and eventual >=10% weight loss
Flaherman, V. J., Schaefer, E. W., Kuzniewicz, M. W., Li, S. X., Walsh, E. M., Paul, I. M., Early weight loss nomograms for exclusively breastfed newborns, Pediatrics, 135, e16-23, 2015	No relevant comparison group
Fonseca, M. J., Severo, M., Barros, H., Santos, A. C., Determinants of weight changes during the first 96 hours of life in full-term newborns, Birth, 41, 160-8, 2014	Compares newborns <=-9.4% and->=-4.1% weight loss but data collected between 24-72 hours after delivery
Fonseca, M. J., Severo, M., Correia, S., Santos, A. C., Effect of birth weight and weight change during the first 96h of life on childhood body compositionpath analysis, International Journal	No relevant outcomes/comparison group

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<b>Reference</b> of Obesity, 39, 579-85, 2015	Reason for Exclusion
Griffiths, L. J., Smeeth, L., Hawkins, S. S., Cole, T. J., Dezateux, C., Effects of infant feeding practice on weight gain from birth to 3 years, Archives of Disease in Childhood, 94, 577-82, 2009	No threshold data
Grossman, X., Chaudhuri, J. H., Feldman-Winter, L., Merewood, A., Neonatal weight loss at a US Baby-Friendly Hospital, Journal of the Academy of Nutrition & Dietetics, 112, 410-3, 2012	No comparison group
Horimukai, K., Morita, K., Narita, M., Kondo, M., Kabashima, S., Inoue, E., Sasaki, T., Niizeki, H., Saito, H., Matsumoto, K., Ohya, Y., Transepidermal water loss measurement during infancy can predict the subsequent development of atopic dermatitis regardless of filaggrin mutations, Allergology International, 65, 103-8, 2016	Does not use weight loss threshold
Irwin, L., Omekara, F., Traa, C., Eldredge, D., In-hospital weight loss in breastfeeding newborns during initial post-delivery period, Breastfeeding Medicine, 6, S12, 2011	Conference abstract
lyer, N. P., Srinivasan, R., Evans, K., Ward, L., Cheung, W. Y., Matthes, J. W., Impact of an early weighing policy on neonatal hypernatraemic dehydration and breast feeding.[Erratum appears in Arch Dis Child. 2008 Jun;93(6):547], Archives of Disease in Childhood, 93, 297-9, 2008	Insufficient number of participants (<100)
Kaufman, J., Phadke, D., Tong, S., Eshelman, J., Newman, S., Ruzas, C., da Cruz, E. M., Osorio, S., Clinical Associations of Early Dysnatremias in Critically III Neonates and Infants Undergoing Cardiac Surgery, Pediatric Cardiology, 1-6, 2016	Comorbid heart disease population
Keely, A., Cunningham-Burley, S., Elliott, L., Sandall, J., Whittaker, A., "If she wants to eatand eat and eatfine! It's gonna feed the baby": Pregnant women and partners' perceptions and experiences of pregnancy with a BMI >40kg/m(2), Midwifery, 28, 28, 2016	Qualitative study
Lassaletta, A., Scheinemann, K., Zelcer, S. M., Hukin, J., Wilson, B. A., Jabado, N., Carret, A. S., Lafay-Cousin, L., Larouche, V., Hawkins, C. E., Pond, G. R., Poskitt, K., Keene, D., Johnston, D. L., Eisenstat, D. D., Krishnatry, R., Mistry, M., Arnoldo, A., Ramaswamy, V., Huang, A., Bartels, U., Tabori, U., Bouffet, E., Phase II weekly vinblastine for chemotherapy-naive children with progressive low-grade glioma: A Canadian pediatric brain tumor consortium study, Journal of Clinical Oncology, 34, 3537-3543, 2016	Cancer study
Levine, A. C., Glavis-Bloom, J., Modi, P., Nasrin, S., Atika, B., Rege, S., Robertson, S., Schmid, C. H., Alam, N. H., External validation of the DHAKA score and comparison with the current IMCI algorithm for the assessment of dehydration in children with diarrhoea: a prospective cohort study, The Lancet Global Health, 4, e744-e751, 2016	Low income country study
Macdonald, P. D., Ross, S. R., Grant, L., Young, D., Neonatal weight loss in breast and formula fed infants, Archives of Disease in Childhood Fetal & Neonatal Edition, 88, F472-6, 2003	No specified time point/threshold
Majeed, S., King, K. C., Hypernatremia in the extremely low-birth-weight infants: A retrospective study, Children's Hospital Quarterly, 6, 133-137, 1995	Insufficient number of participants (<100).
Manganaro, R., Mami, C., Marrone, T., Marseglia, L., Gemelli, M., Incidence of dehydration and hypernatremia in exclusively breast-fed infants, Journal of Pediatrics, 139, 673-5, 2001	No relevant data
Martens, P. J., Romphf, L., Factors associated with newborn in- hospital weight loss: comparisons by feeding method,	No relevant data

Deference	Reason for Exclusion
Reference demographics, and birthing procedures, Journal of Human	Reason for Exclusion
Lactation, 23, 233-41, quiz 242-5, 2007	
Merlob, P., Aloni, R., Prager, H., Jelin, N., Idel, M., Kotona, J., Continued weight loss in the newborn during the third day of life as an indicator of early weaning, Israel Journal of Medical Sciences, 30, 646-8, 1994	No relevant outcomes
Mestrovic, Z., Roje, D., Vulic, M., Zec, M., Calculation of optimal gestation weight gain in pre-pregnancy underweight women due to body mass index change in relation to mother's height, Archives of Gynecology & Obstetrics, 14, 14, 2016	Does not use weight loss threshold
Mustufa, M. A., Sheikh, M. A., Taseer, I. U., Raza, S. J., Arshad, M. S., Akhter, T., Arain, G. M., Habibullah, S., Safdar, S., Firdous, R., Adnan, M., Trajectory of cause of death among brought dead neonates in tertiary care public facilities of Pakistan: A multicenter study, World Journal of Pediatrics, 23, 23, 2016	Low income country study
Nastasi, S., McNamara, J., Wyble, J., Weiss, L., Wyble, L., Williams, M., Post delivery weight loss for exclusively or nearly exclusively breastfed infants in a suburban, non-teaching, lower minority, baby-friendly hospital, Breastfeeding Medicine, 8, S10-S11, 2013	Poster abstract
Noel-Weiss, J., Courant, G., Woodend, A. K., Physiological weight loss in the breastfed neonate: a systematic review, Open Medicine: A Peer-reviewed, Independent, Open-access Journal, 2, e99-e110, 2008	No relevant articles
Oddie, S., Richmond, S., Coulthard, M., Hypernatraemic dehydration and breast feeding: a population study, Archives of Disease in Childhood, 85, 318-20, 2001	No appropriate comparison group
Pathai, S., Cumberland, P. M., Rahi, J. S., Prevalence of and early-life influences on childhood strabismus: Findings from the millennium cohort study, Archives of Pediatrics and Adolescent Medicine, 164, 250-257, 2010	Does not use weight loss threshold
Preer, G. L., Newby, P. K., Philipp, B. L., Weight loss in exclusively breastfed infants delivered by cesarean birth, Journal of Human Lactation, 28, 153-8, 2012	No relevant outcomes
Regnault, N., Botton, J., Blanc, L., Hankard, R., Forhan, A., Goua, V., Thiebaugeorges, O., Kaminski, M., Heude, B., Charles, M. A., Eden mother-child cohort study group, Determinants of neonatal weight loss in term-infants: specific association with prepregnancy maternal body mass index and infant feeding mode, Archives of Disease in Childhood Fetal & Neonatal Edition, 96, F217-22, 2011	No relevant outcomes
Regnault, N., Botton, J., Blanc, L., Hankard, R., Forhan, A., Thiebaugeorges, O., Kaminski, M., Heude, B., Charles, M. A., De Agostini, M., Ducimetiere, P., Saurel-Cubizolles, M. J., Dargent, P., Fritel, X., Larroque, B., Lelong, N., Marchand, L., Nabet, C., Annesi-Maesano, I., Slama, R., Goua, V., Magnin, G., Schweitzer, M., Foliguet, B., Job-Spira, N., Determinants of neonatal weight loss in term-infants: Specific association with pre-pregnancy maternal body mass index and infant feeding mode, Archives of Disease in Childhood: Fetal and Neonatal Edition, 96, F217-F222, 2011	No information on adverse outcomes
Smith, S. L., Kirchhoff, K. T., Chan, G. M., Squire, S. J., Patterns of postnatal weight changes in infants with very low and extremely low birth weights, Heart & Lung, 23, 439-45, 1994	Insufficient number of participants (<100).
Suchomlinov, A., Tutkuviene, J., The absence of physiological neonatal weight loss on the 1st-5th day is associated with	No comparison group

Reference	Reason for Exclusion
decreased later physical indices, Annals of Human Biology, 1-5, 2016	
Tarcan, A., Tiker, F., Vatandas, N. S., Haberal, A., Gurakan, B., Weight loss and hypernatremia in breast-fed babies: frequency in neonates with non-hemolytic jaundice, Journal of Paediatrics & Child Health, 41, 484-7, 2005	Not high income country study/<100 participants
Thijs, H. F. H., Massawe, A. W., Okken, A., Coenraads, P. J., Muskiet, F. A. J., Huisman, M., Boersma, E. R., Measurement of transepidermal water loss in Tanzanian cot-nursed neonates and its relation to postnatal weight loss, Acta Paediatrica, International Journal of Paediatrics, 85, 356-360, 1996	Low income country study
Verd, S., de Sotto, D., Fernandez, C., Gutierrez, A., The Effects of Mild Gestational Hyperglycemia on Exclusive Breastfeeding Cessation, Nutrients, 8, 19, 2016	Does not use weight loss threshold
Verma, R. P., Shibli, S., Fang, H., Komaroff, E., Clinical determinants and utility of early postnatal maximum weight loss in fluid management of extremely low birth weight infants, Early Human Development, 85, 59-64, 2009	No comparison group
Wright, C. M., Parkinson, K. N., Postnatal weight loss in term infants: what is normal and do growth charts allow for it?, Archives of Disease in Childhood Fetal & Neonatal Edition, 89, F254-7, 2004	No comparison group
Yang, W. C., Zhao, L. L., Li, Y. C., Chen, C. H., Chang, Y. J., Fu, Y. C., Wu, H. P., Bodyweight loss in predicting neonatal hyperbilirubinemia 72 hours after birth in term newborn infants, BMC Pediatrics, 13, 145, 2013	Provides data by hyperbilirubinemia status
Zuppa, A. A., Sindico, P., Antichi, E., Carducci, C., Alighieri, G., Cardiello, V., Cota, F., Romagnoli, C., Weight loss and jaundice in healthy term newborns in partial and full rooming-in, Journal of Maternal-Fetal & Neonatal Medicine, 22, 801-5, 2009	Not clear when measurement time point

# H.42 Differences in feeding and eating

Reference	Reason for Exclusion
Abadie, V., Andre, A., Zaouche, A., Thouvenin, B., Baujat, G., Schmitz, J., Early feeding resistance: A possible consequence of neonatal oro-oesophageal dyskinesia, Acta Paediatrica, International Journal of Paediatrics, 90, 738-745, 2001	Cases included do not present with faltering growth
Ammaniti, M., Ambruzzi, A. M., Lucarelli, L., Cimino, S., D'Olimpio, F., Malnutrition and dysfunctional mother-child feeding interactions: clinical assessment and research implications, Journal of the American College of Nutrition, 23, 259-71, 2004	Cases were children with feeding disorders and faltering growth and were not separated for reporting the results or doing the analyses
Aviram, I., Atzaba-Poria, N., Pike, A., Meiri, G., Yerushalmi, B., Mealtime dynamics in child feeding disorder: the role of child temperament, parental sense of competence, and paternal involvement, Journal of Pediatric Psychology, 40, 45-54, 2015	Outcomes not relevant for the protocol
Berkowitz, C. D., Senter, S. A., Characteristics of mother-infant interactions in nonorganic failure to thrive, Journal of Family Practice, 25, 377-81, 1987	The assessment of the interactions were done while the mother-infant were playing but not at mealtime
Black, M. M., Krishnakumar, A., Predicting longitudinal growth curves of height and weight using ecological factors for children with and without early growth deficiency, Journal of Nutrition, 129,	Not relevant population (low income) and definition of faltering growth does not

Reference	Reason for Exclusion
539S-543S, 1999	match with the current definition used in this guideline
Dowdney, L., Skuse, D., Heptinstall, E., Puckering, C., Zur-Szpiro, S., Growth retardation and developmental delay amongst innercity children, Journal of Child Psychology & Psychiatry & Allied Disciplines, 28, 529-41, 1987	Outcomes reported by the study are not relevant for the protocol
Drewett, R. F., Corbett, S. S., Wright, C. M., Physical and emotional development, appetite and body image in adolescents who failed to thrive as infants, Journal of Child Psychology & Psychiatry & Allied Disciplines, 47, 524-31, 2006	Outcomes reported by the study are not relevant for the protocol
Kerzner, B., Clinical investigation of feeding difficulties in young children: a practical approach, Clinical Pediatrics, 48, 960-5, 2009	Narrative review
Lindberg, L., Ostberg, M., Isacson, I. M., Dannaeus, M., Feeding disorders related to nutrition, Acta Paediatrica, 95, 425-9, 2006	Cases included in the study do not present with faltering growth
Lobo, M. L., Barnard, K. E., Coombs, J. B., Failure to thrive: a parent-infant interaction perspective, Journal of Pediatric Nursing, 7, 251-61, 1992	The control group also presented with faltering growth
Ramsay, M., Gisel, E. G., McCusker, J., Bellavance, F., Platt, R., Infant sucking ability, non-organic failure to thrive, maternal characteristics, and feeding practices: a prospective cohort study, Developmental Medicine & Child Neurology, 44, 405-14, 2002	Infants included present with sucking difficulties
Wright, C. M., Parkinson, K. N., Drewett, R. F., How does maternal and child feeding behavior relate to weight gain and failure to thrive? Data from a prospective birth cohort, Pediatrics, 117, 1262-9, 2006	Study does not present with a control or comparative group

H.52 Approaches in assessing feeding and eating

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Reference	Reason for Exclusion
Ahmed, S., Goldberg, G. R., Roy, S. K., Raqib, R., Haque, S., Prentice, A., Dietary calcium and phosphate intake in the aetiology of rickets in bangladesh, Annals of Nutrition and Metabolism, 63, 725, 2013	Low income country study
Akman, S. A., Halicioglu, O., Koturoglu, G., Koc, F., Aslan, A., Sutcuoglu, S., Arikan, C., Kurugol, Z., The characteristics and eating habits of 2 to 6-year-old children with food refusal, Journal of Pediatric Gastroenterology and Nutrition, 50, E173, 2010	Conference abstract, Turkish study
Ali, S. S., Dhaded, S. M., Goudar, S. S., The impact of nutrition on child development at 3 years in a rural community of India, International Journal of Preventive Medicine, 5, 494-499, 2014	Lower-middle income country study
Ammaniti, M., Ambruzzi, A. M., Lucarelli, L., Cimino, S., D'Olimpio, F., Malnutrition and dysfunctional mother-child feeding interactions: clinical assessment and research implications, Journal of the American College of Nutrition, 23, 259-71, 2004	Cases were children with feeding disorders and faltering growth and were not separated for reporting the results or doing the analyses
Barnard, M. U., Wolf, L., Psychosocial failure to thrive. Nursing assessment and intervention, Nursing Clinics of North America, 8, 557-65, 1973	Narrative review

Reference	Reason for Exclusion
Bell, L. K., Golley, R. K., Magarey, A. M., A short	Included children did not present with faltering
food-group-based dietary questionnaire is reliable and valid for assessing toddlers' dietary risk in relatively advantaged samples.[Erratum appears in Br J Nutr. 2014 Nov 14;112(9):1587], British Journal of Nutrition, 112, 627-37, 2014	growth or weight gain concerns
Black, M. M., Tilton, N., Bento, S., Cureton, P., Feigelman, S., Recovery in Young Children with Weight Faltering: Child and Household Risk Factors, Journal of Pediatrics, 170, 301-6, 2016	Not an assessment study
D'Angelo, S., Yajnik, C. S., Kumaran, K., Joglekar, C., Lubree, H., Crozier, S. R., Godfrey, K. M., Robinson, S. M., Fall, C. H., Inskip, H. M., S. W. S. Study Group, the, Pmns Study Group, Body size and body composition: a comparison of children in India and the UK through infancy and early childhood, Journal of Epidemiology & Community Health, 69, 1147-53, 2015	No relevant assessment method
Dowdney, L., Skuse, D., Heptinstall, E., Puckering, C., Zur-Szpiro, S., Growth retardation and developmental delay amongst inner-city children, Journal of Child Psychology & Psychiatry & Allied Disciplines, 28, 529-41, 1987	Study does not use any assessment method for comparison
Drewett, R. F., Kasese-Hara, M., Wright, C., Feeding behaviour in young children who fail to thrive, Appetite, 40, 55-60, 2003	Study does not use any assessment method for comparison
Emmett, P., Dietary assessment in the Avon Longitudinal Study of Parents and Children, European Journal of Clinical Nutrition, 63 Suppl 1, S38-44, 2009	Assessment methods were not directed to children with faltering growth
Emmett, P., Assessing diet in longitudinal birth cohort studies, Paediatric and Perinatal Epidemiology, 23 Suppl 1, 154-73, 2009	Expert review
Emmett, P. M., Jones, L. R., Diet, growth, and obesity development throughout childhood in the Avon Longitudinal Study of Parents and Children, Nutrition Reviews, 73 Suppl 3, 175-206, 2015	Included children did not present with faltering growth or weight gain concerns
Emmett, P. M., Jones, L. R., Diet and growth in infancy: relationship to socioeconomic background and to health and development in the Avon Longitudinal Study of Parents and Children, Nutrition Reviews, 72, 483-506, 2014	Included children did not present with faltering growth or weight gain concerns
Emmett, P. M., Jones, L. R., Northstone, K., Dietary patterns in the Avon Longitudinal Study of Parents and Children, Nutrition Reviews, 73 Suppl 3, 207-30, 2015	Included children did not present with faltering growth or weight gain concerns
Emond, A., Drewett, R., Blair, P., Emmett, P., Postnatal factors associated with failure to thrive in term infants in the Avon Longitudinal Study of Parents and Children, Archives of Disease in Childhood, 92, 115-9, 2007	Not assessment study - weaning and feeding data were collected before faltering growth appeared
Evans, A., Seth, J. G., Smith, S., Harris, K. K., Loyo, J., Spaulding, C., Van Eck, M., Gottlieb, N., Parental feeding practices and concerns related to child underweight, picky eating, and using food to calm differ according to ethnicity/race, acculturation, and income, Maternal and child health journal, 15, 899-909, 2011	Assessment methods are not relevant to review protocol.

Reference	Reason for Exclusion
Fledderjohann, J., Vellakkal, S., Khan, Z.,	Lower-middle income country mortality study
Ebrahim, S., Stuckler, D., Quantifying the impact of rising food prices on child mortality in India: A cross-district statistical analysis of the District Level Household Survey, International Journal of Epidemiology, 45, 554-564, 2016	Lower-initiale income country mortality study
Frappier, P. A., Marino, B. L., Shishmanian, E., Nursing assessment of infant feeding problems, Journal of Pediatric Nursing, 2, 37-44, 1987	Narrative review
Garg, A., Chadha, R., Index for measuring the quality of complementary feeding practices in rural India, Journal of Health, Population & Nutrition, 27, 763-71, 2009	Lower-middle income country study
Heptinstall, E., Puckering, C., Skuse, D., Start, K., Zur-Szpiro, S., Dowdney, L., Nutrition and mealtime behaviour in families of growth-retarded children, Human Nutrition - Applied Nutrition, 41, 390-402, 1987	Study does not use any assessment method for comparison
Hollen, L. I., Din, Z. U., Jones, L. R., Emond, A. M., Emmett, P., Are diet and feeding behaviours associated with the onset of and recovery from slow weight gain in early infancy?, British Journal of Nutrition, 111, 1696-1704, 2014	ALSPAC study - risk factors for faltering growth rather than assessment of infants with FG
Jansen, P. W., Roza, S. J., Jaddoe, V. W., Mackenbach, J. D., Raat, H., Hofman, A., Verhulst, F. C., Tiemeier, H., Children's eating behavior, feeding practices of parents and weight problems in early childhood: results from the population-based Generation R Study, International Journal of Behavioral Nutrition & Physical Activity, 9, 130, 2012	Children included did not present with faltering growth or weight gain concerns
Kasese-Hara, M., Drewett, R., Wright, C., Sweetness preferences in 1-year-old children who fail to thrive, Journal of Reproductive and Infant Psychology, 19, 253-257, 2001	Study does not use any assessment method for comparison
Kasese-Hara, M., Wright, C., Drewett, R., Energy compensation in young children who fail to thrive, Journal of Child Psychology & Psychiatry & Allied Disciplines, 43, 449-56, 2002	Study does not use any assessment method for comparison
Kulshrestha, R., Dalzell, M., Kumar, R., Utility of child eating behaviour questionnaire in assessment of feeding aversion in children with neurodisability, European Journal of Paediatric Neurology, 13, S34, 2009	Included children did not present with faltering growth or weight gain concerns
Leung,A.K.C., Robson,W.L.M., Fagan,J.E., Assessment of the child with failure to thrive, American Family Physician, 48, 1432-1438, 1993	Narrative review
MacPhee, M., Schneider, J., A clinical tool for nonorganic failure-to-thrive feeding interactions, Journal of Pediatric Nursing, 11, 29-39, 1996	Nested case control study. It was included in the assessment (differences) review
Noble, S., Emmett, P., Differences in weaning practice, food and nutrient intake between breast- and formula-fed 4-month-old infants in England, Journal of Human Nutrition & Dietetics, 19, 303-13, 2006	Included children did not present with faltering growth or weight gain concerns
Parkinson, K. N., Wright, C. M., Drewett, R. F., Mealtime energy intake and feeding behaviour in children who fail to thrive: a population-based case-control study, Journal of Child Psychology	Study does not use any assessment method for comparison

Reference	Reason for Exclusion
& Psychiatry & Allied Disciplines, 45, 1030-5,	
2004	
Ramsay, M., Gisel, E. G., McCusker, J., Bellavance, F., Platt, R., Infant sucking ability, non-organic failure to thrive, maternal characteristics, and feeding practices: a prospective cohort study, Developmental Medicine & Child Neurology, 44, 405-14, 2002	Infants included present with sucking difficulties
Ramsay, M., Martel, C., Porporino, M., Zygmuntowicz, C., The Montreal Children's Hospital Feeding Scale: A brief bilingual screening tool for identifying feeding problems, Paediatrics & Child Health, 16, 147-e17, 2011	Children included in the study do not present with faltering growth
Robertson, J., Puckering, C., Parkinson, K., Corlett, L., Wright, C., Mother-child feeding interactions in children with and without weight faltering; nested case control study, Appetite, 56, 753-9, 2011	Nested case control study. It was included in the assessment (differences) review
Seiverling, L., Hendy, H. M., Williams, K., The Screening Tool of Feeding Problems applied to children (STEP-CHILD): psychometric characteristics and associations with child and parent variables, Research in Developmental Disabilities, 32, 1122-9, 2011	Included children did not present with faltering growth or weight gain concerns
Shields, B., Wacogne, I., Wright, C. M., Weight faltering and failure to thrive in infancy and early childhood, BMJ, 345, e5931, 2012	Narrative review
Woods, J. N., Borrero, J. C., Laud, R. B., Borrero, C. S. W., Descriptive analyses of pediatric food refusal: The structure of parental attention, Behavior Modification, 34, 35-56, 2010	Unclear whether faltering growth: included children were admitted to either an inpatient program or an intensive day treatment feeding program
Wright, C., Loughridge, J., Moore, G., Failure to thrive in a population context: two contrasting studies of feeding and nutritional status, Proceedings of the Nutrition Society, 59, 37-45, 2000	Study does not use any assessment method for comparison

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## H.63 Risk factors

Reference	Reason for exclusion
Altemeier, W. A., 3rd, O'Connor, S. M., Sherrod, K. B., Vietze, P. M., Prospective study of antecedents for nonorganic failure to thrive, Journal of Pediatrics, 106, 360-5, 1985	Small sample size (<100)
Avan, B., Richter, L. M., Ramchandani, P. G., Norris, S. A., Stein, A., Maternal postnatal depression and children's growth and behaviour during the early years of life: exploring the interaction between physical and mental health, Archives of Disease in Childhood, 95, 690-5, 2010	Study was not conducted in a high-income country (South Africa)
Avan, B., Richter, L. M., Ramchandani, P. G., Norris, S. A., Stein, A., Maternal postnatal depression and children's growth and behaviour during the early years of life: exploring the interaction between physical and mental health, Archives of Disease in Childhood, 95, 690-5, 2010	Study was not conducted in a high-income country (South Africa)
Aviram, I., Atzaba-Poria, N., Pike, A., Meiri, G., Yerushalmi, B., Mealtime dynamics in child feeding disorder: the role of child	No outcomes of interest

Reference	Reason for exclusion
temperament, parental sense of competence, and paternal involvement, Journal of Pediatric Psychology, 40, 45-54, 2015	
Bauer, C. R., Perinatal effects of prenatal drug exposure. Neonatal aspects, Clinics in Perinatology, 26, 87-106, 1999	This is a review and not an observational study
Bauer, C. R., Perinatal effects of prenatal drug exposure. Neonatal aspects, Clinics in Perinatology, 26, 87-106, 1999	This is a review and not an observational study
Behar, A. R., Arancibia, M. M., [Maternal eating disorders and their influence on eating behavior of the children: a review of the literature], Revista Chilena de Pediatria, 85, 731-9, 2014	Article not in English
Black, M. M., Tilton, N., Bento, S., Cureton, P., Feigelman, S., Recovery in Young Children with Weight Faltering: Child and Household Risk Factors, Journal of Pediatrics, 170, 301-6, 2016	Small sample size (<500)
Blair, P. S., Drewett, R. F., Emmett, P. M., Ness, A., Emond, A. M., Family, socioeconomic and prenatal factors associated with failure to thrive in the Avon Longitudinal Study of Parents and Children (ALSPAC), International Journal of Epidemiology, 33, 839-47, 2004	This is a review and not an observational study
Block, R. W., Krebs, N. F., American Academy of Pediatrics Committee on Child, Abuse, Neglect,, American Academy of Pediatrics Committee on, Nutrition, Failure to thrive as a manifestation of child neglect, Pediatrics, 116, 1234-7, 2005	This is a review and not an observational study
Cooper, P. J., Whelan, E., Woolgar, M., Morrell, J., Murray, L., Association between childhood feeding problems and maternal eating disorder: role of the family environment, British Journal of Psychiatry, 184, 210-5, 2004	No outcomes of interest
Daniel, M., Kleis, L., Cemeroglu, A. P., Etiology of failure to thrive in infants and toddlers referred to a pediatric endocrinology outpatient clinic, Clinical Pediatrics, 47, 762-5, 2008	Children and young people included in this study presented with gastrointestinal disease. Additionally, small for gestational age was one of the studied risk factors but is unclear whether analysis adjusted for this
De Jesus, L. C., Pappas, A., Shankaran, S., Li, L., Das, A., Bell, E. F., Stoll, B. J., Laptook, A. R., Walsh, M. C., Hale, E. C., Newman, N. S., Bara, R., Higgins, R. D., Eunice Kennedy Shriver National Institute of, Health, Human Development Neonatal Research, Network, Outcomes of small for gestational age infants born at <27 weeks' gestation, Journal of Pediatrics, 163, 55-60.e1-3, 2013	Preterm infants
Doctor, B. A., O'Riordan, M. A., Kirchner, H. L., Shah, D., Hack, M., Perinatal correlates and neonatal outcomes of small for gestational age infants born at term gestation, American Journal of Obstetrics & Gynecology, 185, 652-9, 2001	Outcomes only reported at birth
Dubowitz, H., Zuckerman, D. M., Bithoney, W. G., Newberger, E. H., Child abuse and failure to thrive: individual, familial, and environmental characteristics, Violence & Victims, 4, 191-201, 1989	This study does not reach the minimum sample size stated in the protocol (n=41)
Easter, A., Howe, L. D., Tilling, K., Schmidt, U., Treasure, J., Micali, N., Growth trajectories in the children of mothers with eating disorders: a longitudinal study, BMJ Open, 4, e004453, 2014	The outcome of this study was not faltering growth
Ekeus, C., Lindblad, F., Hjern, A., Short stature, smoking habits and birth outcome in international adoptees in Sweden, Acta Obstetricia et Gynecologica Scandinavica, 87, 1309-1314, 2008	Cross sectional study; no outcomes of interest
Elwood, P. C., Sweetnam, P. M., Gray, O. P., Davies, D. P.,	The population included did

Reference	Reason for exclusion
Wood, P. D., Growth of children from 0-5 years: with special	not present with faltering
reference to mother's smoking in pregnancy, Annals of Human Biology, 14, 543-57, 1987	growth
Ester, W., Roza, S., Hoek, W., Susser, E., Tiemeier, H., Fetal size and eating behavior in childhood: the generation R study, European Child and Adolescent Psychiatry, 1), S191-S192, 2013	Faltering growth was not an outcome in this study
Farrow, C., Blissett, J., Maternal cognitions, psychopathologic symptoms, and infant temperament as predictors of early infant feeding problems: A longitudinal study, International Journal of Eating Disorders, 39, 128-134, 2006	No outcomes of interest
Goh, L. H., How, C. H., Ng, K. H., Failure to thrive in babies and toddlers, Singapore Medical Journal, 57, 287-91, 2016	Review study
Hack, M., Breslau, N., Weissman, B., Aram, D., Klein, N., Borawski, E., Effect of very low birth weight and subnormal head size on cognitive abilities at school age, New England Journal of Medicine, 325, 231-7, 1991	Only cognitive abilities have been reported as an outcome
Hack, M., Schluchter, M., Cartar, L., Rahman, M., Cuttler, L., Borawski, E., Growth of very low birth weight infants to age 20 years, Pediatrics, 112, e30-8, 2003	Multivariate analysis of correlates of weight, height and BMI z scores is only reported at 20 years.
Henrichs, J., Schenk, J. J., Barendregt, C. S., Schmidt, H. G., Steegers, E. A., Hofman, A., Jaddoe, V. W., Moll, H. A., Verhulst, F. C., Tiemeier, H., Fetal growth from mid- to late pregnancy is associated with infant development: the Generation R Study, Developmental Medicine & Child Neurology, 52, 644-51, 2010	This study is not specifically related with faltering growth as the conclusion is that (faster) fetal growth is associated with lower risk of delayed infant development
Herman-Staab, B., Antecedents to nonorganic failure-to-thrive, Pediatric Nursing, 18, 579-83, 590, 1992	Study not adjusted for confounders
Hofman, A., Jaddoe, V. W., Mackenbach, J. P., Moll, H. A., Snijders, R. F., Steegers, E. A., Verhulst, F. C., Witteman, J. C., Buller, H. A., Growth, development and health from early fetal life until young adulthood: the Generation R Study, Paediatric and Perinatal Epidemiology, 18, 61-72, 2004	Study focused in the scope of the Generation R study
Husain, N., Cruickshank, J. K., Tomenson, B., Khan, S., Rahman, A., Maternal depression and infant growth and development in British Pakistani women: a cohort study, BMJ Open, 2, e000523, 2012	Faltering growth was not the outcome of this study
Hvelplund, C., Hansen, B. M., Koch, S. V., Andersson, M., Skovgaard, A. M., Perinatal Risk Factors for Feeding and Eating Disorders in Children Aged 0 to 3 Years, Pediatrics, 137, 1-8, 2016	Only feeding and eating disorders have been reported as an outcome
Jaddoe, V. W., van Duijn, C. M., Franco, O. H., van der Heijden, A. J., van lizendoorn, M. H., de Jongste, J. C., van der Lugt, A., Mackenbach, J. P., Moll, H. A., Raat, H., Rivadeneira, F., Steegers, E. A., Tiemeier, H., Uitterlinden, A. G., Verhulst, F. C., Hofman, A., The Generation R Study: design and cohort update 2012, European Journal of Epidemiology, 27, 739-56, 2012	Not an observational study
Jaddoe, V. W., Verburg, B. O., de Ridder, M. A., Hofman, A., Mackenbach, J. P., Moll, H. A., Steegers, E. A., Witteman, J. C., Maternal smoking and fetal growth characteristics in different periods of pregnancy: the generation R study, American Journal of Epidemiology, 165, 1207-15, 2007	This study has low birth weight as an outcome
Jansen, P. W., Roza, S. J., Jaddoe, V. W., Mackenbach, J. D., Raat, H., Hofman, A., Verhulst, F. C., Tiemeier, H., Children's eating behavior, feeding practices of parents and weight problems in early childhood: results from the population-based Generation	Not relevant outcomes; children with obesity have also been included

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Reference  P. Study International Journal of Rehavioral Nutrition & Physical	Reason for exclusion
R Study, International Journal of Behavioral Nutrition & Physical Activity, 9, 130, 2012	
Kelleher,, Erratum: Risk factors and outcomes for failure to thrive in low birth weight preterm infants (Pediatrics (May 1993) 91 (941-948)), Pediatrics, 92, 190, 1993	Erratum. Used for completing the funding of the study by Kelleher, 1993
Kerr, M. A., Black, M. M., Krishnakumar, A., Failure-to-thrive, maltreatment and the behavior and development of 6-year-old children from low-income, urban families: a cumulative risk model, Child Abuse & Neglect, 24, 587-98, 2000	This study looks at failure to thrive as a risk factor for other aspects often seen in children
Leung, A. K., Robson, W. M., Fagan, J. E., Assessment of the child with failure to thrive, American Family Physician, 48, 1432-8, 1993	This is a review and not an observational study
McDougall, P., Drewett, R. F., Hungin, A. P., Wright, C. M., The detection of early weight faltering at the 6-8-week check and its association with family factors, feeding and behavioural development, Archives of Disease in Childhood, 94, 549-52, 2009	This study looked at the association between weight faltering and family factors, feeding and behavioural development rather than the risk factors for weight faltering
Micali, N., Simonoff, E., Stahl, D., Treasure, J., Maternal eating disorders and infant feeding difficulties: maternal and child mediators in a longitudinal general population study, Journal of Child Psychology & Psychiatry & Allied Disciplines, 52, 800-7, 2011	The outcome for maternal eating difficulties are infant eating difficulties and not faltering growth
Miller, B. S., Kroupina, M. G., Iverson, S. L., Masons, P., Narad, C., Himes, J. H., Johnson, D. E., Petryk, A., Auxological evaluation and determinants of growth failure at the time of adoption in Eastern European adoptees, Journal of Pediatric Endocrinology, 22, 31-9, 2009	Risk factors included in this study are not considered in the protocol
Motion,S., Northstone,K., Emond,A., Persistent early feeding difficulties and subsequent growth and developmental outcomes, Ambulatory Child Health, 7, 231-237, 2001	Analysis did not adjust for critical confounders
Nutzenadel, W., Failure to thrive in childhood, Deutsches Arzteblatt International, 108, 642-9, 2011	Not in English
O'Keeffe, L. M., Kearney, P. M., Greene, R. A., Zuccolo, L., Tilling, K., Lawlor, D. A., Howe, L. D., Maternal alcohol use during pregnancy and offspring trajectories of height and weight: A prospective cohort study, Drug & Alcohol Dependence, 153, 323-9, 2015	Not faltering growth infants
Ong, K. K. L., Preece, M. A., Emmett, P. M., Ahmed, M. L., Dunger, D. B., Size at birth and early childhood growth in relation to maternal smoking, parity and infant breast-feeding: Longitudinal birth cohort study and analysis, Pediatric Research, 52, 863-867, 2002	This study is not addressing faltering growth
Ounsted, M., Scott, A., Smoking during pregnancy. Its association with other maternal factors and birth weight, Acta Obstetricia et Gynecologica Scandinavica, 61, 367-371, 1982	Study did not adjust for confounders
Reilly,S.M., Skuse,D.H., Wolke,D., Stevenson,J., Oral-motor dysfunction in children who fail to thrive: organic or non-organic?, Developmental Medicine and Child Neurology, 41, 115-122, 1999	N=47
Robertson, J., Puckering, C., Parkinson, K., Corlett, L., Wright, C., Mother-child feeding interactions in children with and without weight faltering; nested case control study, Appetite, 56, 753-9, 2011	Not a risk factors study
Skuse, D. H., Gill, D., Reilly, S., Wolke, D., Lynch, M. A., Failure to thrive and the risk of child abuse: a prospective population survey, Journal of Medical Screening, 2, 145-9, 1995	Faltering growth as a risk factor for other events

Reference	Reason for exclusion
Stewart, R. C., Maternal depression and infant growth: a review of recent evidence, Maternal & Child Nutrition, 3, 94-107, 2007	In this systematic review, studies from low and medium income countries were included. The included studies from high income countries are already in this review
Surkan, P. J., Kennedy, C. E., Hurley, K. M., Black, M. M., Maternal depression and early childhood growth in developing countries: systematic review and meta-analysis, Bulletin of the World Health Organization, 89, 608-15, 2011	All studies included in this systematic review were conducted in developing countries
Timmermans, S., Jaddoe, V. W., Hofman, A., Steegers-Theunissen, R. P., Steegers, E. A., Periconception folic acid supplementation, fetal growth and the risks of low birth weight and preterm birth: the Generation R Study, British Journal of Nutrition, 102, 777-85, 2009	The outcome for this study was low birth weight
Traviss, G. D., West, R. M., House, A. O., Maternal mental health and its association with infant growth at 6 months in ethnic groups: results from the Born-in-Bradford birth cohort study, PLoS ONE [Electronic Resource], 7, e30707, 2012	Not specific to faltering growth, but abdominal circumference at 6 months was the only growth measurement used.
Victora, C. G., Villar, J., Barros, F. C., Ismail, L. C., Chumlea, C., Papageorghiou, A. T., Bertino, E., Ohuma, E. O., Lambert, A., Carvalho, M., Jaffer, Y. A., Altman, D. G., Noble, J. A., Gravett, M. G., Purwar, M., Frederick, I. O., Pang, R., Bhutta, Z. A., Kennedy, S. H., International, Fetal, Newborn Growth Consortium for the 21st, Century, Anthropometric Characterization of Impaired Fetal Growth: Risk Factors for and Prognosis of Newborns With Stunting or Wasting, JAMA Pediatrics, 169, e151431, 2015	Children from low/medium income countries were included (Brazil, China, India, Kenya)
Victora, C. G., Villar, J., Barros, F. C., Ismail, L. C., Chumlea, C., Papageorghiou, A. T., Bertino, E., Ohuma, E. O., Lambert, A., Carvalho, M., Jaffer, Y. A., Altman, D. G., Noble, J. A., Gravett, M. G., Purwar, M., Frederick, I. O., Pang, R., Bhutta, Z. A., Kennedy, S. H., International, Fetal, Newborn Growth Consortium for the 21st, Century, Anthropometric Characterization of Impaired Fetal Growth: Risk Factors for and Prognosis of Newborns With Stunting or Wasting, JAMA Pediatrics, 169, e151431, 2015	The study included populations from developing countries
Wahlbeck, K., Forsen, T., Osmond, C., Barker, D. J., Eriksson, J. G., Association of schizophrenia with low maternal body mass index, small size at birth, and thinness during childhood, Archives of General Psychiatry, 58, 48-52, 2001	Anthropometric measurements were studied as a risk factor for schizophrenia in adulthood
Walden, R. V., Taylor, S. C., Hansen, N. I., Poole, W. K., Stoll, B. J., Abuelo, D., Vohr, B. R., Major congenital anomalies place extremely low birth weight infants at higher risk for poor growth and developmental outcomes, Pediatrics, 120, e1512-e1519, 2007	The type of major congenital anomalies this study looks at are cardiovascular, CNS, chromosome, gastrointestinal or geritourinary; which are not stated in the protocol. All preterm infants
Wilensky, D. S., Ginsberg, G., Altman, M., Tulchinsky, T. H., Ben Yishay, F., Auerbach, J., A community based study of failure to thrive in Israel, Archives of Disease in Childhood, 75, 145-8, 1996	Not a risk factors study
Wright, C. M., Stone, D. H., Parkinson, K. N., Undernutrition in British Haredi infants within the Gateshead Millennium cohort study, Archives of Disease in Childhood, 95, 630-3, 2010	Risk factors in this study are not considered in the protocol
Wright, C., Birks, E., Risk factors for failure to thrive: a population-based survey, Child: Care, Health & Development, 26, 5-16, 2000	Analysis did not adjust for critical confounders

# H.71 Prevalence of specific causative conditions

Prevalence of specific causative condition	
Reference	Reason for Exclusion
Adedoyin, O., Gottlieb, B., Frank, R., Vento, S., Vergara, M., Gauthier, B., Trachtman, H., Evaluation of failure to thrive: diagnostic yield of testing for renal tubular acidosis, Pediatrics, 112, e463, 2003	Adult population; small sample size
Agnihotri, A., Singh, P., Sharma, P., Jyotsna, V., Das, P., Gupta, S., Makharia, G., Khadgawat, R., Patients with short stature should be screened for celiac disease, Journal of Gastroenterology and Hepatology, 28, 380, 2013	Population presented with short stature and the study was developed in a low income country
Alper, B. S., Curry, S. H., Urinary tract infection in children, American Family Physician, 72, 2483-8, 2005	Children did not present with faltering growth
Anonymous,, ARC syndrome is not so rare, Journal of Medical Genetics, 39, 183, 2002	Commentary article
Eichler, I., Frisch, H., Granditsch, G., Growth failure and insulinlike growth factor (IGF-I) in childhood celiac disease, Klinische Wochenschrift, 69, 825-9, 1991	Main aim is to assess the growth outcomes of children with celiac disease
Furth, S. L., Growth and nutrition in children with chronic kidney disease, Advances in Chronic Kidney Disease, 12, 366-71, 2005	Review article
Furth, S. L., Hwang, W., Yang, C., Neu, A. M., Fivush, B. A., Powe, N. R., Growth failure, risk of hospitalization and death for children with end-stage renal disease, Pediatric Nephrology, 17, 450-5, 2002	Outcome reported by the study is not relevant. Study looked at associations between growth failure and risk of hospitalization
Furth, S. L., Stablein, D., Fine, R. N., Powe, N. R., Fivush, B. A., Adverse clinical outcomes associated with short stature at dialysis initiation: a report of the North American Pediatric Renal Transplant Cooperative Study, Pediatrics, 109, 909-13, 2002	Study looks at the relation between short height and adverse clinical outcomes at dyalysis initiation
Hendrikse, W. H., Reilly, J. J., Weaver, L. T., Malnutrition in a children's hospital, Clinical Nutrition, 16, 13-18, 1997	No separate data for infants/preschool children
Hill, I., Fasano, A., Schwartz, R., Counts, D., Glock, M., Horvath, K., The prevalence of celiac disease in at-risk groups of children in the United States, Journal of Pediatrics, 136, 86-90, 2000	Failure to thrive group includes school-age children up to 20 years old
Ikram, M. A., Sajid, A., Hameed, S., Arshad, K., Irshad ul, Haq, Coeliac disease in children presenting with failure to thrive, Journal of Ayub Medical College, Abbottabad: JAMC, 23, 6-9, 2011	Small sample size
Karlberg, J., Henter, J. I., Tassin, E., Lindblad, B. S., Longitudinal analysis of infantile growth in children with celiac disease, Acta Paediatrica Scandinavica, 77, 516-24, 1988	Main aim is to assess the growth outcomes of children with celiac disease
Karlberg, J., Schaefer, F., Hennicke, M., Wingen, A. M., Rigden, S., Mehls, O., Early age-dependent growth impairment in chronic renal failure. European Study Group for Nutritional Treatment of Chronic Renal Failure in Childhood, Pediatric Nephrology, 10, 283-7, 1996	Main aim is to assess the growth outcomes of children with renal failure
Lewis, M., Shaw, J., Reid, C., Evans, J., Webb, N., Verrier-Jones, K., Growth in children with established renal failurea Registry analysis (chapter 14), Nephrology Dialysis Transplantation, 22 Suppl 7, vii176-80, 2007	No relevant population (children between 2 and 16 years old)
Nurminen, S., Kivela, L., Taavela, J., Huhtala, H., Maki, M., Kaukinen, K., Kurppa, K., Factors associated with growth disturbance at celiac disease diagnosis in children: a retrospective cohort study, BMC Gastroenterology, 15, 125, 2015	No infant or pre-school children were included
Rodig, N. M., McDermott, K. C., Schneider, M. F., Hotchkiss, H. M., Yadin, O., Seikaly, M. G., Furth, S. L., Warady, B. A., Growth	Main aim is to assess the growth outcomes of children

Reference	Reason for Exclusion
in children with chronic kidney disease: a report from the Chronic Kidney Disease in Children Study, Pediatric Nephrology, 29, 1987-95, 2014	with kidney disease
Rossi, T. M., Albini, C. H., Kumar, V., Incidence of celiac disease identified by the presence of serum endomysial antibodies in children with chronic diarrhea, short stature, or insulin-dependent diabetes mellitus, Journal of Pediatrics, 123, 262-4, 1993	No separate data for infants and preschool children
Saari, A., Harju, S., Makitie, O., Saha, M. T., Dunkel, L., Sankilampi, U., Systematic growth monitoring for the early detection of celiac disease in children, JAMA Pediatrics, 169, e1525, 2015	Main aim is to assess the growth outcomes of children with celiac disease
Saki Malehi, A., Hajizadeh, E., Ahmadi, K., Kholdi, N., Modeling the recurrent failure to thrive in less than two-year children: recurrent events survival analysis, Journal of Research in Health Sciences, 14, 96-9, 2014	Main aim of the study not relevant (study looks at the hazard ratios for the FTT event over time)
Sisley, S., Trujillo, M. V., Khoury, J., Backeljauw, P., Low incidence of pathology detection and high cost of screening in the evaluation of asymptomatic short children, Journal of Pediatrics, 163, 1045-51, 2013	Sample not infants/preschool children
Smarrazzo, A., Arcidiaco, C., Velmishi, V., Roma, E., Kansu, A., Micetic-Turk, D., Costa, S., Bouziane-Nedjadi, K., Tamara, M. L., Ben-Hariz, M., Misak, Z., Kraljacic, V. D., Attard, T. M., Abu-Zekry, M., Mohamed, A., Magazzu, G., Auricchio, R., Greco, L., Coeliac disease across mediterranean countries: A prospective study, Journal of Pediatric Gastroenterology and Nutrition, 62, 83-84, 2016	Conference abstract/insufficient information to determine sample age

#### H.82 Breastfeeding support

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Reference	Reason for Exclusion
Formula versus donor breast milk for feeding preterm or low birth weight infants, Essentially MIDIRS, 5, 48-48 1p, 2014	Study unavailable.
Agrasada, G. V., Gustafsson, J., Kylberg, E., Ewald, U., Postnatal peer counselling on exclusive breastfeeding of low-birthweight infants: a randomized, controlled trial, Acta Paediatrica, 94, 1109-15, 2005	Takes place in hospital in Manila.
Ahmed, A. H., Sands, L. P., Effect of pre- and postdischarge interventions on breastfeeding outcomes and weight gain among premature infants, JOGNN - Journal of Obstetric, Gynecologic, & Neonatal Nursing, 39, 53-63, 2010	Used for the references; none of the participants were reported to have specific feeding difficulties.
Bakewell-Sachs, S., Toward evidence-based practice. [Commentary on] Effect of breastmilk consumption on neurodevelopmental outcomes at 6 and 12 months of age in VLBW infants, MCN: The American Journal of Maternal Child Nursing, 28, 336-336 1p, 2003	Commentary.
Bhat, B. A., Gupta, B., Effects of human milk fortification on morbidity factors in very low birth weight infants, Annals of Saudi medicine, 23, 28-31, 2003	Babies from special care unit.
Boyd, C. A., Quigley, M. A., Brocklehurst, P., Donor breast milk versus infant formula for preterm infants: systematic review and meta-analysis, Archives of Disease in Childhood Fetal & Neonatal Edition, 92, F169-75, 2007	As per protocol: exclude Comparisons of interventions for breastfeeding with non-breastfeeding interventions.
Buthmanaban, V., Ong, C. B. K., Chua, M. C., Ong, I., Effect of pre-discharge nutrition and lactation counselling on growth and	Pre-post study on counselling; no enough details on

Reference	Reason for Exclusion
feeding practices of extremely low birth weight infants,	intervention delivered.
Proceedings of Singapore Healthcare, 19, S240, 2010	
Centre for Reviews and Dissemination, Prevalence, diagnosis, and treatment of ankyloglossia: methodologic review (Structured abstract), Database of Abstracts of Reviews of Effects, 2015	Summary of full article Segal 2007
Centre for Reviews and Dissemination, A systematic review of telephone support for women during pregnancy and the early postpartum period (Structured abstract), Database of Abstracts of Reviews of Effects, 2015	summary of full paper Dennis 2008
Centre for Reviews and Dissemination, Hindmilk: a head start in preterm nutrition (Structured abstract), Database of Abstracts of Reviews of Effects, 2015	summary of paper Heon 2009
Centre for Reviews and Dissemination, Effects of n-3 long-chain polyunsaturated fatty acid supplementation during pregnancy and/or lactation on neurodevelopment and visual function in children: a systematic review of randomized controlled trials (Provisional abstract), Database of Abstracts of Reviews of Effects, 2015	summary of paper Dziechciarz 2010
Centre for Reviews and Dissemination, Effect of pre- and postdischarge interventions on breastfeeding outcomes and weight gain among premature infants (Structured abstract), Database of Abstracts of Reviews of Effects, 2015	No relevant population (infants did not present with weight concerns)
Centre for Reviews and Dissemination, Effect of domperidone on insufficient lactation in puerperal women: a systematic review and meta-analysis of randomized controlled trials (Structured abstract), Database of Abstracts of Reviews of Effects, 2015	No relevant population (i.e. typically developing infants have been included)
Centre for Reviews and Dissemination, Extending breastfeeding duration through primary care: a systematic review of prenatal and postnatal interventions (Structured abstract), Database of Abstracts of Reviews of Effects, 2015	No relevant population (i.e. typically developing infants have been included)
Constantine, A. H., Williams, C., Sutcliffe, A. G., A systematic review of frenotomy for ankyloglossia (Tongue Tie) in breast fed infants, Archives of Disease in Childhood, 96, A62-A63, 2011	Abstract only; not enough info reported.
Dastgerdi, E., Shirazi, M., Mohammadzadeh, A., ShahFarhat, A., Amiri, R., Effect of metoclopramide on increased milk production in mothers of preterm infants, Iranian Journal of Obstetrics, Gynecology and Infertility, 14, 2011	Paper unavailable.
Davanzo, Riccardo, Cannioto, Zemira, Ronfani, Luca, Monasta, Lorenzo, Demarini, Sergio, Independent Study Module for Lactation Consultants: "Breastfeeding and Neonatal Weight Loss in Healthy Term Infants― , Journal of Human Lactation, 29, 102-104 3p, 2013	Study module for lactation consultants.
Dennis, C. L., Kingston, D., A systematic review of telephone support for women during pregnancy and the early postpartum period, JOGNN - Journal of Obstetric, Gynecologic, & Neonatal Nursing, 37, 301-14, 2008	Population: not specific to faltering growth or feeding difficulties.
Dziechciarz, P., Horvath, A., Szajewska, H., Effects of n-3 long-chain polyunsaturated fatty acid supplementation during pregnancy and/or lactation on neurodevelopment and visual function in children: a systematic review of randomized controlled trials, Journal of the American College of Nutrition, 29, 443-54, 2010	Preventative interventions during pregnancy.
Embleton, N. D., Wilson, D. J., Shah, L., Breastmilk Fortification or Supplementation for Preterm Infants: Effects on Growth and Duration of Breastfeeding, Pediatric Academic Societies Annual Meeting, 2, 2009	Fortification of breast milk for preterm babies without specific feeding difficulties.

Reference	Reason for Exclusion
Feyereislova, S., Stranak, Z., Cerna, M., Kollarova, J., Feyereisl, J., Limited amount of formula may facilitate breastfeeding-a randomized controlled trial, Journal of Maternal-Fetal and Neonatal Medicine, 29, 264-265, 2016	>5% loss of birth weight is not considered faltering growth
Flaherman, V. J., Aby, J., Burgos, A. E., Lee, K. A., Cabana, M. D., Newman, T. B., Effect of early limited formula on duration and exclusivity of breastfeeding in at-risk infants: an RCT, Pediatrics, 131, 1059-65, 2013	Study excluded because of the population here considered: the entry criteria were for example, those who had lost more than 5% of birth weight, but excluded those who lost more than 10%. This not faltering growth population, nor early weight loss babies.
Flaherman, V., Aby, J., Burgos, A., Lee, K., Cabana, M., Newman, T., Randomized Trial of Early Limited Formula To Reduce Formula Use at 1 Week and Promote Breastfeeding at 3 Months in Infants with High Early Weight Loss, Pediatric Academic Societies Annual Meeting, 2012	Study unavailable.
Francis, D. O., Krishnaswami, S., McPheeters, M., Treatment of ankyloglossia and breastfeeding outcomes: a systematic review, Pediatrics, 135, e1458-66, 2015	Study unavailable.
Gaman, W. N., Failure to thrive in the contented breast-fed baby, Canadian Medical Association Journal, 132, 97-100, 1985	Commentary.
Giglia, R., Binns, C., The effectiveness of the internet in improving breastfeeding outcomes: a systematic review, Journal of Human Lactation, 30, 156-60, 2014	Not RCT
Giugliani, E. R., Horta, B. L., Loret de Mola, C., Lisboa, B. O., Victora, C. G., Effect of breastfeeding promotion interventions on child growth: a systematic review and meta-analysis, Acta Paediatrica, 104, 20-9, 2015	This systematic review includes papers on breastfeeding promotion rather than breastfeeding support interventions. Also, the populations considered do not include children or infants with particular feeding difficulties.
Gupta, M., Shaw, B., A double-blind randomized clinical trial for evaluation of galactogogue activity of asparagus racemosus willd, Iranian Journal of Pharmaceutical Research, 10, 167-172, 2011	Study unavailable.
Heon, M., Goulet, C., Levy, E., Nuyt, A. M., Hindmilk: a head start in preterm nutrition, Enfermeria Clinica, 19, 129-35, 2009	This review includes four studies that do not meet the review protocol criteria with regards to the population included.
Hogan, M., Westcott, C., Griffiths, M., Randomized, controlled trial of division of tongue-tie in infants with feeding problems, Journal of Paediatrics and Child Health, 41, 246-250, 2005	This papers has been excluded because both population (infants with feeding problems due to tongue-tie) and outcomes (improvement of feeding problems, no better specified) were not specifically relevant to review protocol. However, this particular paper has been used in the NICE Post-natal care guideline.
Hogan, M., Westcott, C., Griffiths, M., Randomized, controlled trial of division of tongue-tie in infants with feeding problems [corrected] [published erratum appears in J PAEDIATR CHILD HEALTH 2006 Dec;42(12):829], Journal of Paediatrics & Child	Infants presented with feeding problems, mostly due to tongue-tie. At risk of weight faltering but no weight

Reference	Reason for Exclusion
Health, 41, 246-251, 2005	outcomes assessed.
Hornell, A., Lagstrom, H., Lande, B., Thorsdottir, I., Breastfeeding, introduction of other foods and effects on health: a systematic literature review for the 5th Nordic Nutrition Recommendations, Food & Nutrition Research, 57, 2013	Population: healthy babies and mothers, no specific feeding difficulties reported.
Ibanez, G., de Saint Michel, C. R., Denantes, M., Saurel-cubizolles, M., Ringa, V., Magnier, A., Systematic review and meta-analysis of randomized controlled trials evaluating primary care-based interventions to promote breastfeeding in low-income women, Family Practice, 29, 245-254, 2012	Not directed at weight gain
Kennedy, T. S., Oakland, M. J., Shaw, R. D., A nutrition intervention with families of low-birth-weight infants, Nutrition in Clinical Practice, 15, 30-35 6p, 2000	LBW infants from NICU units.
Khanam, S., Khan, J., Sharma, D., Chawla, D., Murki, S., Nutritional bundle to improve growth outcomes among very low birth weight infants, Journal of Maternal-Fetal & Neonatal Medicine, 28, 1851-5, 2015	Intervention not relevant to the review protocol; population of mixed breast-fed and formula fed babies.
Kuschel, Carl A., Harding, Jane E., Multicomponent fortified human milk for promoting growth in preterm infants, Cochrane Database of Systematic Reviews, 2009	Fortification of breast milk for preterm babies without specific feeding difficulties.
Kuschel, Carl A., Harding, Jane E., Protein supplementation of human milk for promoting growth in preterm infants, Cochrane Database of Systematic Reviews, 2009	Fortification of breast milk for preterm babies without specific feeding difficulties.
Kuschel, Carl A., Harding, Jane E., Kumaran, Vazhkudai S., Fat supplementation of human milk for promoting growth in preterm infants, Cochrane Database of Systematic Reviews, 2009	Fortification of breast milk for preterm babies without specific feeding difficulties.
Kuschel, Carl A., Harding, Jane E., Kumaran, Vazhkudai S., Calcium and phosphorus supplementation of human milk for preterm infants, Cochrane Database of Systematic Reviews, 2009	Fortification of breast milk for preterm babies without specific feeding difficulties.
Marinelli, Kathleen A., Lussier, Mary M., Brownell, Elizabeth, Herson, Victor C., Hagadorn, James I., The Effect of a Donor Milk Policy on the Diet of Very Low Birth Weight Infants, Journal of Human Lactation, 30, 310-316 7p, 2014	Pre-post prospective cohort; NICU setting; no weight outcomes.
Pinelli, J., Saigal, S., Atkinson, S. A., Pinelli, J. M., Mainous, R. O., Effect of breastmilk consumption on neurodevelopmental outcomes at 6 and 12 months of age in VLBW infants, Advances in Neonatal Care (Elsevier Science), 3, 76-87 12p, 2003	VLBW babies in NICU.
Pinelli, J., Atkinson, S.A., Saigal, S., Randomized trial of breastfeeding support in very low-birth-weight infants, Archives of Pediatrics and Adolescent Medicine, 155, 548-553, 2001	Population in NICU setting.
Power, R. F., Murphy, J. F., Tongue-tie and frenotomy in infants with breastfeeding difficulties: achieving a balance, Archives of Disease in Childhood, 100, 489-94, 2015	Not weight based outcomes have been reported
Rocha, N. M., Martinez, F. E., Jorge, S. M., Cup or bottle for preterm infants: effects on oxygen saturation, weight gain, and breastfeeding, Journal of human lactation: official journal of International Lactation Consultant Association, 18, 132-138, 2002	Population: preterm infant with no specific feeding problems reported.
Sakha, K., Behbahan, A. G., Training for perfect breastfeeding or metoclopramide: which one can promote lactation in nursing mothers?, Breastfeeding Medicine: The Official Journal of the Academy of Breastfeeding Medicine, 3, 120-3, 2008	Study conducted in a low- income country
Secco, L., Walsh, A., Maclellan, M., Weak infant sucking in the first 8 weeks, reliance on breastfeeding for >=9 months, small feeds, and difficulties in weaning were associated with failure to thrive, Evidence-Based Nursing, 10, 90, 2007	The study reports on association with risk factors.

Reference	Reason for Exclusion
Segal, L. M., Stephenson, R., Dawes, M., Feldman, P., Prevalence, diagnosis, and treatment of ankyloglossia: methodologic review, Canadian Family Physician, 53, 1027-33, 2007	The only RCT included in this review has been included.
Turkyilmaz, C., Onal, E., Hirfanoglu, I. M., Turan, O., Koc, E., Ergenekon, E., Atalay, Y., The effect of galactagogue herbal tea on breast milk production and short-term catch-up of birth weight in the first week of life, Journal of Alternative & Complementary Medicine, 17, 139-42, 2011	Inclusion criteria applied to the population do not represent those of the review protocol.
Verner, Alison M., McGuire, William, Craig, Stanley John, Effect of taurine supplementation on growth and development in preterm or low birth weight infants, Cochrane Database of Systematic Reviews, -, 2010	Participants were all formula-fed.
Waisman, I., Gonzalez, M. L., Gonzalez, D., Prenatal education and breastfeeding, Saludarte, 2, 7-17, 2001	Study unavailable.
Wallace,L.M., Dunn,O.M., Alder,E.M., Inch,S., Hills,R.K., Law,S.M., A randomised-controlled trial in England of a postnatal midwifery intervention on breast-feeding duration, Midwifery, 22, 262-273, 2006	Weight gain was not one of the outcomes
Watson, Julie, McGuire, William, Responsive versus scheduled feeding for preterm infants, Cochrane Database of Systematic Reviews, 2015	Fortification of breast milk for preterm babies without specific feeding difficulties.
Yesinel, S., Aldemir, E. Y., Kavuncuoglu, S., Yesinel, S., Yildiz, H., Evaluation of growth in very low birth weight preterm babies, Turk Pediatri Arsivi, 49, 289-98, 2014	Not an intervention study (no intervention evaluated).

# H.92 Dietary advice and supplementation

Reference	Reason for Exclusion
Abate, G., Kogi-Makau, W., Muroki, N. M., Health seeking and hygiene behaviours predict nutritional status of pre-school children in a slum area of Addis Ababa, Ethiopia, Ethiopian Medical Journal, 38, 253-65, 2000	Review on potential determinants of feeding practices.
Abrams, S. A., Mushi, A., Hilmers, D. C., Griffin, I. J., Davila, P., Allen, L., A multinutrient-fortified beverage enhances the nutritional status of children in Botswana, Journal of Nutrition, 133, 1834-40, 2003	Population = urban school children aged 6-11 y
Ackatia-Armah, R. S., McDonald, C. M., Doumbia, S., Erhardt, J. G., Hamer, D. H., Brown, K. H., Malian children with moderate acute malnutrition who are treated with lipid-based dietary supplements have greater weight gains and recovery rates than those treated with locally produced cereal-legume products: a community-based, cluster-randomized trial, American Journal of Clinical Nutrition, 101, 632-45, 2015	Evidence from developing country
Al Hazzani, F., Early or delayed enteral feeding for preterm growth-restricted infants: a randomized trial, Journal of Clinical Neonatology, 1, 181-3, 2012	No population or outcomes of interest
Alaimo, K., Oleksyk, S. C., Drzal, N. B., Golzynski, D. L., Lucarelli, J. F., Wen, Y., Velie, E. M., Effects of changes in lunch-time competitive foods, nutrition practices, and nutrition policies on low-income middle-school children's diets, Childhood obesity (Print), 9, 509-23, 2013	School programs.
Arora, N. K., Anand, N. K., Bhan, M. K., Jailkhani, B., Aggarwal, A., Meenu, R., Batla, R., Nutrient absorption from a fat-enriched	No outcomes relevant to growth/weight gain were

Reference	Reason for Exclusion
diet in young malnourished children: a randomized controlled trial, Acta Paediatrica, 87, 143-8, 1998	studied.
Ashworth, A., Ferguson, E., Dietary counseling in the management of moderate malnourishment in children, Food & Nutrition Bulletin, 30, S405-33, 2009	Aim: to evaluate dietary messages in current programs and assess their adequacy and effectiveness.
Bahwere, P., Banda, T., Sadler, K., Nyirenda, G., Owino, V., Shaba, B., Dibari, F., Collins, S., Effectiveness of milk whey protein-based ready-to-use therapeutic food in treatment of severe acute malnutrition in Malawian under-5 children: A randomised, double-blind, controlled non-inferiority clinical trial, Maternal & Child Nutrition, 10, 436-51, 2014	Population = severe acute malnutrition.
Batra, P., Schlossman, N., Balan, E., Pruzensky, W., Saltzman, E., Roberts, S., Effects of two micronutrient-fortified food aid products containing different levels of dairy protein on anthropometric variables in rural pre-school children in Guinea-Bissau, FASEB journal, 1), 2014	Evidence from developing country (causes leading to FG are different)
Beckett, C., Durnin, J. V., Aitchison, T. C., Pollitt, E., Effects of an energy and micronutrient supplement on anthropometry in undernourished children in Indonesia, European Journal of Clinical Nutrition, 54 Suppl 2, S52-9, 2000	Evidence from developing country (causes leading to FG are different)
Bhat, B. A., Gupta, B., Effects of human milk fortification on morbidity factors in very low birth weight infants, Annals of Saudi medicine, 23, 28-31, 2003	Preterm babies only.
Bhutta, Z. A., Das, J. K., Interventions to address maternal and childhood undernutrition: current evidence, Nestle Nutrition Institute Workshop Series, 78, 59-69, 2014	Narrative review.
Blakstad, E. W., Strommen, K., Moltu, S. J., Wattam-Bell, J., Nordheim, T., Almaas, A. N., Gronn, M., Ronnestad, A. E., Braekke, K., Iversen, P. O., Von Hofsten, C., Veierod, M. B., Westerberg, A. C., Drevon, C. A., Nakstad, B., Improved Visual Perception in Very Low Birth Weight Infants on Enhanced Nutrient Supply, Neonatology, 108, 30-37, 2015	Primary (and only) outcome reported is not relevant to the review protocol.
Blaney, S., Februhartanty, J., Sukotjo, S., Feeding practices among Indonesian children above six months of age: a literature review on their magnitude and quality (part 1), Asia Pacific Journal of Clinical Nutrition, 24, 16-27, 2015	Literature review on magnitude and quality of feeding practices In Indonesia.
Brand, J. C., Miller, J. J., Vorbach, E. A., Edwards, R. A., A trial of lactose hydrolysed milk in Australian Aboriginal children, Medical Journal of Australia, 2, 10-3, 1977	Not randomized.
Brooke, O. G., Kinsey, J. M., High energy feeding in small for gestation infants, Archives of Disease in Childhood, 60, 42-6, 1985	N = 17 small sample size.
Brown, K. H., Sanchez-Grinan, M., Perez, F., Peerson, J. M., Ganoza, L., Stern, J. S., Effects of dietary energy density and feeding frequency on total daily energy intakes of recovering malnourished children, American Journal of Clinical Nutrition, 62, 13-8, 1995	Severe malnutrition small sample size.
Brumberg, H. L., Kowalski, L., Troxell-Dorgan, A., Gettner, P., Konstantino, M., Poulsen, J. F., Ehrenkranz, R. A., Randomized trial of enteral protein and energy supplementation in infants less than or equal to 1250 g at birth, Journal of Perinatology, 30, 517-21, 2010	Considers infants from NICU and this is specified as exclusion criterion in the protocol
Brunton, J. A., Saigal, S., Atkinson, S. A., Growth and body composition in infants with bronchopulmonary dysplasia up to 3 months corrected age: a randomized trial of a high-energy	Population = 60 preterm babies with BMP from ICU

Reference	Reason for Exclusion
nutrient-enriched formula fed after hospital discharge, Journal of Pediatrics, 133, 340-5, 1998	
Cadell, J. L., Studies in protein-calorie malnutrition. II. A double-blind clinical trial to assess magnesium therapy, New England Journal of Medicine, 276, 535-40, 1967	Magnesium deficiency.
Centre for Reviews and Dissemination, Home fortification of foods with multiple micronutrient powders for health and nutrition in children under two years of age (Structured abstract), Database of Abstracts of Reviews of Effects, 2015	Population = children under 2 years of age with no specific health problems; intervention = micronutrient powders
Chan, J. C. M., McEnery, P. T., Chinchilli, V. M., Abitbol, C. L., Boineau, F. G., Friedman, A. L., Lum, G. M., Roy, S., Ruley, E. J., Strife, C. F., A prospective, double-blind study of growth failure in children with chronic renal insufficiency and the effectiveness of treatment with calcitriol versus dihydrotachysterol, Journal of Pediatrics, 124, 520-528, 1994	Children with chronic renal insufficiency.
Ciampolini, M., Bini, S., Giommi, A., Vicarelli, D., Giannellini, V., Same growth and different energy intake over four years in children suffering from chronic non-specific diarrhoea, International Journal of Obesity, 18, 17-23, 1994	Population = chronic non- specific diarrhoea
Cohen, R. J., Brown, K. H., Canahuati, J., Rivera, L. L., Dewey, K. G., Determinants of growth from birth to 12 months among breast-fed Honduran infants in relation to age of introduction of complementary foods, Pediatrics, 96, 504-10, 1995	Evidence from developing country (causes leading to FG are different)
Cohen, R. J., Brown, K. H., Canahuati, J., Rivera, L. L., Dewey, K. G., Effects of age of introduction of complementary foods on infant breast milk intake, total energy intake, and growth: a randomised intervention study in Honduras, Lancet, 344, 288-93, 1994	Evidence from developing country (causes leading to FG are different)
Cole, S. Z., Lanham, J. S., Failure to thrive: an update, American Family Physician, 83, 829-34, 2011	Narrative review.
De Oliveira, S. M. S., Costa, Mjdc, Rivera, M. A. A., Santos, L. M. P., Ribeiro, Mdlc, Soares, Gdsf, Asciutti, L. S., Da Costa, S. F. G., [Impact of a dietary supplement on the nutritional status of preschool children enrolled in day care centers], Revista de Nutricao, 19, 169-76, 2006	In Spanish.
DeRegil, Maria Luz, Suchdev, Parminder S., Vist, Gunn E., Walleser, Silke, PenaRosas, Pablo Juan, Home fortification of foods with multiple micronutrient powders for health and nutrition in children under two years of age, Cochrane Database of Systematic Reviews, 2014	Population = children with no specific health problem.
DeRegil,Maria Luz, Jefferds,Elena Maria, PenaRosas,Pablo Juan, Point-of-use fortification of foods with micronutrient powders containing iron in children of preschool and school age, Cochrane Database of Systematic Reviews, -, 2014	Protocol only.
Dewey, K. G., Adu-Afarwuah, S., Systematic review of the efficacy and effectiveness of complementary feeding interventions in developing countries, Maternal and Child Nutrition, 4, 24-85, 2008	Evidence from developing country (causes leading to FG are different)
Diop el, H. I., Dossou, N. I., Ndour, M. M., Briend, A., Wade, S., Comparison of the efficacy of a solid ready-to-use food and a liquid, milk-based diet for the rehabilitation of severely malnourished children: a randomized trial, American Journal of Clinical Nutrition, 78, 302-7, 2003	Population = severely malnourished children
Evans, S., Twaissi, H., Daly, A., Davies, P., Macdonald, A., Should high-energy infant formula be given at full strength from its first day of usage?, Journal of Human Nutrition and Dietetics, 19, 191-197, 2006	Methodological reason, as the study reports non-parametric outcomes which is not an issue itself, but they do not provide exact p-values and

Reference	Reason for Exclusion
	therefore it is not possible to grade the paper. This is a statistical â€~rule' that has been agreed at the NCC-WCH.
Fenton, Tanis R., Premji, Shahirose S., AlWassia, Heidi, Sauve, Reg S., Higher versus lower protein intake in formula-fed low birth weight infants, Cochrane Database of Systematic Reviews, 2014	Low birth weight infants; ICU
Flax, V. L., Phuka, J., Cheung, Y. B., Ashorn, U., Maleta, K., Ashorn, P., Feeding patterns and behaviors during home supplementation of underweight Malawian children with lipid-based nutrient supplements or corn-soy blend, Appetite, 54, 504-11, 2010	Evidence from developing country (causes leading to FG are different)
Francis, D. K., Smith, J., Saljuqi, T., Watling, R. M., Oral protein calorie supplementation for children with chronic disease.[Update of Cochrane Database Syst Rev. 2000;(3):CD001914; PMID: 10908515], Cochrane Database of Systematic Reviews, 5, CD001914, 2015	Population = children with cystic fibrosis or malignant disease.
Francis, Damian K., Smith, Joanne, Saljuqi, Tawab, Watling, Ruth M., Oral protein calorie supplementation for children with chronic disease, Cochrane Database of Systematic Reviews, 2015	Population = children with chronic diseases.
Galeano, N. F., Lepage, G., Leroy, C., Belli, D., Levy, E., Roy, C. C., Comparison of two special infant formulas designed for the treatment of protracted diarrhea, Journal of Pediatric Gastroenterology & Nutrition, 7, 76-83, 1988	Intractable diarrhea and short bowel syndrome
Gera, T., Efficacy and safety of therapeutic nutrition products for home based therapeutic nutrition for severe acute malnutrition: A Systematic Review, Indian Pediatrics, 47, 709-718, 2010	Population = severe acute malnutrition.
Gershoff, S. N., McGandy, R. B., Nondasuta, A., Tantiwongse, P., Nutrition studies in Thailand: effects of calories, nutrient supplements, and health interventions on growth of preschool Thai village children, American Journal of Clinical Nutrition, 48, 1214-8, 1988	Evidence from developing country (causes leading to FG are different)
Gigante, D. P., Buchweitz, M., Helbig, E., Almeida, A. S., Araujo, C. L., Neumann, N. A., Victora, C., Randomized clinical trial of the impact of a nutritional supplement "multimixture" on the nutritional status of children enrolled at preschools, Jornal de Pediatria, 83, 363-9, 2007	Longitudinal study. Unclear if specific to FG.
Goudet, Sophie M., Griffiths, Paula L., Bogin, Barry A., Madise, Nyovani J., Nutritional interventions for preventing stunting in children (0 to 5 years) living in urban slums, Cochrane Database of Systematic Reviews, 2015	Focuses on prevention of stunting.
Graham, G. G., Lembcke, J., Morales, E., Quality-protein maize as the sole source of dietary protein and fat for rapidly growing young children, Pediatrics, 85, 85-91, 1990	Small sample size, N = 10
Grantham― Mcgregor SM, Fernald LCH, Kagawa RM, Walker S., Effects of integrated child development and nutrition interventions on child development and nutritional status (Provisional abstract), Annals of the New York Academy of Sciences, 1308, 11― 32, 2014	Evidence from developing country (causes leading to FG are different)
Grantham-McGregor, S. M., Powell, C. A., Walker, S. P., Himes, J. H., Nutritional supplementation, psychosocial stimulation, and mental development of stunted children: The Jamaican study, Lancet, 338, 1-5, 1991	Population = stunted children.
Grantham-McGregor, S., Powell, C., Walker, S., Nutritional supplements, stunting, and child development, Lancet, 2, 809-10,	Population = stunted children from jamaica

Deference	Boscon for Evaluaion
Reference 1989	Reason for Exclusion
Gresham, E., Byles, J. E., Bisquera, A., Hure, A. J., Effects of dietary interventions on neonatal and infant outcomes: a systematic review and meta-analysis, American Journal of Clinical Nutrition, 100, 1298-321, 2014	Before or during pregnancy interventions.
Gupta, S., Kumar, D., An intervention study in malnutrition among under five children in a rural area of Jammu, JK Science, 15, 73-76, 2013	Not an RCT.
Henderson, G., Fahey, T., McGuire, W., Calorie and protein- enriched formula versus standard term formula for improving growth and development in preterm or low birth weight infants following hospital discharge, Cochrane Database of Systematic Reviews, CD004696, 2005	Preterm babies only.
Henderson, G., Fahey, T., McGuire, W., Nutrient-enriched formula milk versus human breast milk for preterm infants following hospital discharge, Cochrane Database of Systematic Reviews, CD004862, 2007	Preterm babies only.
Heyman, M. B., Vichinsky, E., Katz, R., Gaffield, B., Hurst, D., Castillo, R., Chiu, D., Kleman, K., Ammann, A. J., Thaler, M. M., Growth retardation in sickle-cell disease treated by nutritional support, Lancet (London, England), 1, 903-6, 1985	Sickle-cell disease.
Hossain, M.I., Wahed, M.A., Ahmed, S., Increased food intake after the addition of amylase-rich flour to supplementary food for malnourished children in rural communities of Bangladesh, Food and Nutrition Bulletin, 26, 323-329, 2005	Evidence from developing country (causes leading to FG are different)
Hsu, J. W., Badaloo, A., Wilson, L., Taylor-Bryan, C., Chambers, B., Reid, M., Forrester, T., Jahoor, F., Dietary supplementation with aromatic amino acids increases protein synthesis in children with severe acute malnutrition, Journal of Nutrition, 144, 660-6, 2014	Population = severe acute malnutrition
Huynh, D. T., Estorninos, E., Capeding, R. Z., Oliver, J. S., Low, Y. L., Rosales, F. J., Longitudinal growth and health outcomes in nutritionally at-risk children who received long-term nutritional intervention, Journal of Human Nutrition & Dietetics, 28, 623-35, 2015	At risk of undernutrition, philipines
lannotti, L. L., Dulience, S. J., Green, J., Joseph, S., Francois, J., Antenor, M. L., Lesorogol, C., Mounce, J., Nickerson, N. M., Linear growth increased in young children in an urban slum of Haiti: a randomized controlled trial of a lipid-based nutrient supplement, American Journal of Clinical Nutrition, 99, 198-208, 2014	Population = healthy infants
Jalil, R., Naser, I., Wan Muda, W. M., Wan Nik, W. S., Shariff, Z., Abdullah, M. R., Effect of animal source food (ASF) provision on the growth of malnourished children in kelantan, Malaysia: A randomized controlled trial, Annals of Nutrition & Metabolism, 63, 2013	No clear definition of "malnourished".
Kabir, I., Rahman, M. M., Haider, R., Mazumder, R. N., Khaled, M. A., Mahalanabis, D., Increased height gain of children fed a high-protein diet during convalescence from shigellosis: a six-month follow-Up study, Journal of Nutrition, 128, 1688-91, 1998	Study conducted in Bangladesh, non-radomised
Karagianni, P., Briana, D. D., Mitsiakos, G., Elias, A., Theodoridis, T., Chatziioannidis, E., Kyriakidou, M., Nikolaidis, N., Early versus delayed minimal enteral feeding and risk for necrotizing enterocolitis in preterm growth-restricted infants with abnormal antenatal Doppler results, American Journal of Perinatology, 27, 367-73, 2010	NICU patients; no comparison of interest

Reference	Reason for Exclusion
Karagol, B. S., Zenciroglu, A., Okumus, N., Polin, R. A., Randomized controlled trial of slow vs rapid enteral feeding advancements on the clinical outcomes of preterm infants with birth weight 750-1250 g, Jpen: Journal of Parenteral & Enteral Nutrition, 37, 223-8, 2013	NICU patients; no intervention/comparison of interest
Kasese-Hara, M., Wright, C., Drewett, R., Energy compensation in young children who fail to thrive, Journal of Child Psychology & Psychiatry & Allied Disciplines, 43, 449-56, 2002	Not randomized small sample size.
King, S., Prawitz, A. D., Umoren, J., O'Gorman, T., The impact of high diastase malted barley flour on weight and height of malnourished children in Panama, Journal of hunger & environmental nutrition, 1, 23-35, 2007	Evidence from developing country (causes leading to FG are different)
Krahenbuhl, J. D., Schutz, Y., Jequier, E., High fat versus high carbohydrate nutritional supplementation: a one year trial in stunted rural Gambian children, European Journal of Clinical Nutrition, 52, 213-22, 1998	Evidence from developing country (causes leading to FG are different)
Krebs, N. F., Hambidge, K. M., Mazariegos, M., Westcott, J., Goco, N., Wright, L. L., Koso-Thomas, M., Tshefu, A., Bose, C., Pasha, O., Goldenberg, R., Chomba, E., Carlo, W., Kindem, M., Das, A., Hartwell, T., McClure, E., Complementary Feeding Study, Group, Complementary feeding: a Global Network cluster randomized controlled trial, BMC Pediatrics, 11, 4, 2011	The study does not focus on faltering growth.
Krebs, N. F., Mazariegos, M., Chomba, E., Sami, N., Pasha, O., Tshefu, A., Carlo, W. A., Goldenberg, R. L., Bose, C. L., Wright, L. L., Koso-Thomas, M., Goco, N., Kindem, M., McClure, E. M., Westcott, J., Garces, A., Lokangaka, A., Manasyan, A., Imenda, E., Hartwell, T. D., Hambidge, K. M., Randomized controlled trial of meat compared with multimicronutrient-fortified cereal in infants and toddlers with high stunting rates in diverse settings, American Journal of Clinical Nutrition, 96, 840-7, 2012	Study conducted with population from developing countries
Lagstrom, H., Seppanen, R., Jokinen, E., Niinikoski, H., Ronnemaa, T., Viikari, J., Simell, O., Influence of dietary fat on the nutrient intake and growth of children from 1 to 5 y of age: the Special Turku Coronary Risk Factor Intervention Project, American Journal of Clinical Nutrition, 69, 516-23, 1999	Healthy children.
Lapinleimu, H., Viikari, J., Jokinen, E., Salo, P., Routi, T., Leino, A., Ronnemaa, T., Seppanen, R., Valimaki, I., Simell, O., Prospective randomised trial in 1062 infants of diet low in saturated fat and cholesterol, Lancet, 345, 471-6, 1995	Population = healthy 7-month old infants. Effects on the children's growth measured as an adverse effect.
Lazzerini,M., Rubert,L., Pani,P., Specially formulated foods for treating children with moderate acute malnutrition in low- and middle-income countries, Cochrane Database of Systematic Reviews, -, 2013	Malnutrition in low- and middle-income coutries
Leaf, A., Dorling, J., Kempley, S., McCormick, K., Mannix, P., Linsell, L., Juszczak, E., Brocklehurst, P., Abnormal Doppler Enteral Prescription Trial Collaborative, Group, Early or delayed enteral feeding for preterm growth-restricted infants: a randomized trial, Pediatrics, 129, e1260-8, 2012	Infants were in ICU
Livingstone, V. H., Problem-Solving Formula for Failure to Thrive in Breast-fed Infants, Canadian Family Physician, 36, 1541-5, 1990	Focuses on diagnosis/assessment.
Long, J. K., Murphy, S. P., Weiss, R. E., Nyerere, S., Bwibo, N. O., Neumann, C. G., Meat and milk intakes and toddler growth: a comparison feeding intervention of animal-source foods in rural Kenya, Public Health Nutrition, 15, 1100-7, 2012	No clear definition of population characteristics with regards to growth concerns.
Lucas, A., Morley, R., Cole, T. J., Gore, S. M., Davis, J. A.,	Infants were recruited from an

Reference	Reason for Exclusion
Bamford, M. F., Dossetor, J. F., Early diet in preterm babies and developmental status in infancy, Archives of Disease in Childhood, 64, 1570-8, 1989	ICU
Lutter, C. K., Mora, J. O., Habicht, J. P., Rasmussen, K. M., Robson, D. S., Herrera, M. G., Age-specific responsiveness of weight and length to nutritional supplementation, American Journal of Clinical Nutrition, 51, 359-364, 1990	Population = children at risk of malnutrition; comparison over different periods for the same intervention.
Manary, M. J., Ndkeha, M. J., Ashorn, P., Maleta, K., Briend, A., Home based therapy for severe malnutrition with ready-to-use food, Archives of Disease in Childhood, 89, 557-61, 2004	Severe malnutrition.
Miller, J., Makrides, M., Gibson, R. A., McPhee, A. J., Stanford, T. E., Morris, S., Ryan, P., Collins, C. T., Effect of increasing protein content of human milk fortifier on growth in preterm infants born at <31 wk gestation: a randomized controlled trial, American Journal of Clinical Nutrition, 95, 648-55, 2012	Preterm babies only.
Moltu, S. J., Blakstad, E. W., Strommen, K., Almaas, A. N., Nakstad, B., Ronnestad, A., Braekke, K., Veierod, M. B., Drevon, C. A., Iversen, P. O., Westerberg, A. C., Enhanced feeding and diminished postnatal growth failure in very-low-birth-weight infants, Journal of Pediatric Gastroenterology & Nutrition, 58, 344-51, 2014	Population from ICU.
Muzhingi, T., Tang, G., Yeum, K. J., Bermudez, O., Siwela, A., Peanut butter increases kale beta-carotene absorption and conversion to vitamin A in pre-school children, FASEB journal, 1), 2014	No weight gain measurements reported.
Nackers, F., Broillet, F., Oumarou, D., Djibo, A., Gaboulaud, V., Guerin, P. J., Rusch, B., Grais, R. F., Captier, V., Effectiveness of ready-to-use therapeutic food compared to a corn/soy-blend-based pre-mix for the treatment of childhood moderate acute malnutrition in Niger, Journal of Tropical Pediatrics, 56, 407-13, 2010	Evidence from developing country (causes leading to FG are different)
Nesamvuni, A. E., Vorster, H. H., Margetts, B. M., Kruger, A., Fortification of maize meal improved the nutritional status of 1-3-year-old African children, Public Health Nutrition, 8, 461-7, 2005	Evidence from developing country (causes leading to FG are different)
Niinikoski, H., Lapinleimu, H., Viikari, J., Ronnemaa, T., Jokinen, E., Seppanen, R., Terho, P., Tuominen, J., Valimaki, I., Simell, O., Growth until 3 years of age in a prospective, randomized trial of a diet with reduced saturated fat and cholesterol, Pediatrics, 99, 687-94, 1997	Population = healthy infants
Nikiema, L., Huybregts, L., Kolsteren, P., Lanou, H., Tiendrebeogo, S., Bouckaert, K., Kouanda, S., Sondo, B., Roberfroid, D., Treating moderate acute malnutrition in first-line health services: An effectiveness cluster-randomized trial in Burkina Faso, American Journal of Clinical Nutrition, 100, 241-9, 2014	Evidence from developing country (causes leading to FG are different)
Nutzenadel, W., Failure to thrive in childhood, Deutsches Arzteblatt International, 108, 642-9, 2011	The paper does not focus on weight gain or relevant comparisons.
Patel, M. P., Sandige, H. L., Ndekha, M. J., Briend, A., Ashorn, P., Manary, M. J., Supplemental feeding with ready-to-use therapeutic food in Malawian children at risk of malnutrition, Journal of Health, Population & Nutrition, 23, 351-7, 2005	No randomization.
Penny, M. E., Creed-Kanashiro, H. M., Robert, R. C., Narro, M. R., Caulfield, L. E., Black, R. E., Effectiveness of an educational intervention delivered through the health services to improve nutrition in young children: a cluster-randomised controlled trial,	Population = poor periurban area, no definition of faltering growth or malnutrition state.

Reference	Reason for Exclusion
Lancet, 365, 1863-72, 2005	N DOT
Perez-Escamilla, R., Pollitt, E., Growth improvements in children above 3 years of age: The Cali Study, Journal of Nutrition, 125, 885-893, 1995	Not an RCT.
Phu, P. V., Hoan, N. V., Salvignol, B., Treche, S., Wieringa, F. T., Dijkhuizen, M. A., Khan, N. C., Tuong, P. D., Schwartz, H., Berger, J., A six-month intervention with two different types of micronutrient-fortified complementary foods had distinct short- and long-term effects on linear and ponderal growth of vietnamese infants, Journal of Nutrition, 142, 1735-40, 2012	Evidence from developing country (causes leading to FG are different)
Phuka, J. C., Maleta, K., Thakwalakwa, C., Cheung, Y. B., Briend, A., Manary, M. J., Ashorn, P., Postintervention growth of Malawian children who received 12-mo dietary complementation with a lipid-based nutrient supplement or maize-soy flour, American Journal of Clinical Nutrition, 89, 382-90, 2009	Severe stunting.
Phuka, J., Thakwalakwa, C., Maleta, K., Cheung, Y. B., Briend, A., Manary, M., Ashorn, P., Supplementary feeding with fortified spread among moderately underweight 6-18-month-old rural Malawian children, Maternal and Child Nutrition, 5, 159-170, 2009	Evidence from developing country (causes leading to FG are different)
Picot J, Hartwell D, Harris P, Mendes D, Clegg AJ, Takeda A., The effectiveness of interventions to treat severe acute malnutrition in young children: a systematic review, Health Technology Assessment, 16, 1― 316, 2012	Severe acute malnutrition.
Poustie, V. J., Russell, J. E., Watling, R. M., Ashby, D., Smyth, R. L., Oral protein energy supplements for children with cystic fibrosis: CALICO multicentre randomised controlled trial, British Medical Journal, 332, 632-635, 2006	Population = children with cystic fibrosis
Poustie, V. J., Smyth, R. L., Watling, R. M., Oral protein calorie supplementation for children with chronic disease, Cochrane Database of Systematic Reviews, (4), 2009	Chronic disease population.
Poustie, V. J., Watling, R. M., Smyth, R. L., Oral protein-energy supplements for children with chronic disease: systematic review, Proceedings of the Nutrition Society, 62, 801-6, 2003	Cystic fibrosis population.
Pridham, K., Kosorok, M. R., Greer, F., Carey, P., Kayata, S., Sondel, S., The effects of prescribed versus ad libitum feedings and formula caloric density on premature infant dietary intake and weight gain, Nursing research, 48, 86-93, 1999	Preterm babies only.
Sanchez-Tamayo, T., Espinosa Fernandez, M. G., Moreno Algarra, M. C., Fernandez Romero, V., Vallejo Triano, J., Tapia Moreno, E., Salguero Garcia, E., New clinical practice guideline on enteral feeding in very low birth weight infants; first part, Nutricion Hospitalaria, 30, 321-8, 2014	Study in Spanish
Saran, S., Gopalan, S., Krishna, T. P., Use of fermented foods to combat stunting and failure to thrive, Nutrition, 18, 393-396, 2002	Evidence from developing country (causes leading to FG are different)
Shewade, H. D., Patro, B. K., Bharti, B., Soundappan, K., Kaur, A., Taneja, N., Effectiveness of indigenous ready-to-use therapeutic food in community-based management of uncomplicated severe acute malnutrition: A randomized controlled trial from india, Journal of Tropical Pediatrics, 59, 393-398, 2013	Evidence from developing country (causes leading to FG are different)
Simmer, Karen, Patole, Sanjay K., Rao, Shripada C., Longchain polyunsaturated fatty acid supplementation in infants born at term, Cochrane Database of Systematic Reviews, 2011	Population = healthy infants
Simondon, K. B., Gartner, A., Berger, J., Cornu, A., Massamba, J. P., San Miguel, J. L., Ly, C., Missotte, I., Simondon, F., Traissac, P., Delpeuch, F., Maire, B., Effect of early, short-term	Evidence from developing country (causes leading to FG are different)

Reference	Reason for Exclusion
supplementation on weight and linear growth of 4-7-mo-old infants	TOTAL PROPERTY.
in developing countries: A four-country randomized trial, American Journal of Clinical Nutrition, 64, 537-545, 1996	
Singh, A. S., Kang, G., Ramachandran, A., Sarkar, R., Peter, P., Bose, A., Locally made ready-to-use therapeutic food for treatment of malnutrition: A randomized controlled trial, Indian Pediatrics, 47, 679-686, 2010	Population = severe acute population.
Stein, A. D., Barnhart, H. X., Hickey, M., Ramakrishnan, U., Schroeder, D. G., Martorell, R., Prospective study of proteinenergy supplementation early in life and of growth in the subsequent generation in Guatemala, American Journal of Clinical Nutrition, 78, 162-7, 2003	The intervention started prenatally.
Super, C. M., Herrera, M. G., Mora, J. O., Long-term effects of food supplementation and psychosocial intervention on the physical growth of Colombian infants at risk of malnutrition, Child Development, 61, 29-49, 1990	Evidence from developing country (causes leading to FG are different)
Tedstone A, Aviles M, Shetty P, Daniels L., Effectiveness of interventions to promote healthy eating in preschool children aged 1 to 5 years: a review, Health Promotion Effectiveness Reviews, 65, 1998	Not specific to FG.
Thakwalakwa, C. M., Ashorn, P., Jawati, M., Phuka, J. C., Cheung, Y. B., Maleta, K. M., An effectiveness trial showed lipid-based nutrient supplementation but not corn-soya blend offered a modest benefit in weight gain among 6- to 18-month-old underweight children in rural Malawi, Public Health Nutrition, 15, 1755-62, 2012	Evidence from developing country (causes leading to FG are different)
Visser, Janicke, McLachlan, Milla H., Fergusson, Pamela, Volmink, Jimmy, Garner, Paul, Supplementary feeding for food insecure, vulnerable and malnourished populations - an overview of systematic reviews, Cochrane Database of Systematic Reviews, 2013	Protocol only.
Williams, E. A., Elia, M., Lunn, P. G., A double-blind, placebo- controlled, glutamine-supplementation trial in growth-faltering Gambian infants, American Journal of Clinical Nutrition, 86, 421-7, 2007	Evidence from developing country (causes leading to FG are different)
Williams, P. A., Cates, S. C., Blitstein, J. L., Hersey, J., Gabor, V., Ball, M., Kosa, K., Wilson, H., Olson, S., Singh, A., Nutrition-education program improves preschoolers' at-home diet: A group randomized trial, Journal of the Academy of Nutrition and Dietetics, 114, 1001-8, 2014	No weight gain measurements as an outcome.
Wright, C. M., Callum, J., Birks, E., Jarvis, S., Effect of community based management in failure to thrive: randomised controlled trial, BMJ, 317, 571-4, 1998	This paper will be included in another systematic review of this guideline (probably the 'information and support' question).
Yoo, S. D., Hwang, E. H., Lee, Y. J., Park, J. H., Clinical Characteristics of Failure to Thrive in Infant and Toddler: Organic vs. Nonorganic, Pediatric Gastroenterology Hepatology & Nutrition, 16, 261-8, 2013	Clinical characteristics of failure to thrive.
Young, Lauren, Morgan, Jessie, McCormick, Felicia M., McGuire, William, Nutrient-enriched formula versus standard term formula for preterm infants following hospital discharge, Cochrane Database of Systematic Reviews, -, 2012	Preterm babies only.

## H.10<sub>1</sub> Non-nutritional interventions

Reference	Reason for Exclusion
	The study has been conducted
Aboud, F. E., Shafique, S., Akhter, S., A responsive feeding intervention increases children's self-feeding and maternal responsiveness but not weight gain, Journal of Nutrition, 139, 1738-43, 2009	in a low- or middle-income country. Moreover, the participants are not only children with faltering growth.
Ashworth, A., Ferguson, E., Dietary counseling in the management of moderate malnourishment in children, Food & Nutrition Bulletin, 30, S405-33, 2009	It is about current dietary recommendation for moderate malnutrition which have been collected from different organizations. None of the included studies in this paper could be included in our review based on the protocol.
Bithoney, William G., McJunkin, James, Michalek, Joanne, Snyder, John, Egan, Harwood, Epstein, Daniel, The effect of a multidisciplinary team approach on weight gain in nonorganic failure-to-thrive children, Journal of Developmental and Behavioral Pediatrics, 12, 254-258, 1991	The intervention is not relevant to non-nutritional interventions.
Black, M. M., Dubowitz, H., Hutcheson, J., Berenson-Howard, J., Starr, R. H., Jr., A randomized clinical trial of home intervention for children with failure to thrive, Pediatrics, 95, 807-14, 1995	The intervention is related to health care services delivery.
Black, M. M., Dubowitz, H., Krishnakumar, A., Starr, R. H., Jr., Early intervention and recovery among children with failure to thrive: follow-up at age 8, Pediatrics, 120, 59-69, 2007	The intervention is related to health care services delivery.
Buthmanaban, V., Ong, C. B. K., Chua, M. C., Ong, I., Effect of pre-discharge nutrition and lactation counselling on growth and feeding practices of extremely low birth weight infants, Proceedings of Singapore Healthcare, 19, S240, 2010	Not enough data has been reported.
Casey, P. H., Kelleher, K. J., Bradley, R. H., Kellogg, K. W., Kirby, R. S., Whiteside, L., A multifaceted intervention for infants with failure to thrive. A prospective study, Archives of Pediatrics & Adolescent Medicine, 148, 1071-7, 1994	The population study is not only children with FTT. While the main outcome is the incidence of FTT.
Garcia Coll, C. T., Halpern, L., Seifer, R., Meyer, E. C., Kilis, E., Lester, B. M., Vohr, B. R., Oh, W., Behavioral intervention and post-natal growth in full-term intrauterine growth retarded (IUGR) infants, Early Human Development, 46, 105-16, 1996	The population of the study are IUGR infants.
Godfrey, Kate, Rhodes, Paul, Hunt, Caroline, The relationship between family mealtime interactions and eating disorder in childhood and adolescence: A systematic review, Australian and New Zealand Journal of Family Therapy, 34, 54-74, 2013	The population of the included studies are not children with faltering growth.
Hanks, H., Hobbs, C., Seymour, D., Stratton, Peter, Infants who fail to thrive: An intervention for poor feeding practices, Journal of Reproductive and Infant Psychology, 6, 101-111, 1988	No comparison group and small size (n=6) participants.
Haynes, Clare F., Cutler, Christy, Gray, Jane, O'Keefe, Kirstin, Kempe, Ruth S., Non-organic failure to thrive: Decision for placement and videotaped evaluations, Child Abuse & Neglect, 7, 309-319, 1983	It is not about the non- nutritional interventions. It is more focused on health care delivery.
Hutcheson, J. J., Black, M. M., Talley, M., Dubowitz, H., Howard, J. B., Starr, R. H., Jr., Thompson, B. S., Risk status and home intervention among children with failure-to-thrive: follow-up at age 4, Journal of Pediatric Psychology, 22, 651-68, 1997	The intervention is related to healthcare services delivery.
Iwaniec, Dorota, Herbert, Martin, McNeish, A., Social work with failure-to-thrive children and their families: II. Behavioural social work intervention, British Journal of Social Work, 15, 375-389,	It is a non-randomized study, all children with faltering growth has received the

Reference	Reason for Exclusion
1985	intervention. However, the intervention is more related to healthcare services delivery.
Iwaniec, Dorota, Herbert, Martin, McNeish, A., Social work with failure-to-thrive children and their families: I. Psychosocial factors, British Journal of Social Work, 15, 243-259, 1985	The effectiveness of a non- nutritional intervention has not been assessed in this study.
Iwaniec, Dorota, Sneddon, Helga, Attachment style in adults who failed to thrive as children: Outcomes of a 20 year follow-up study of factors influencing maintenance or change in attachment style, British Journal of Social Work, 31, 179-195, 2001	No outcome of interest.
Kafatos, A. G., Tsitoura, S., Pantelakis, S. N., Doxiadis, S. A., Maternal and infant health education in a rural Greek community, Hygie, 10, 32-7, 1991	This study focused on maternal and infant mortality and morbidity. The children with faltering growth have not been addressed.
Kendrick, D., Elkan, R., Hewitt, M., Dewey, M., Blair, M., Robinson, J., Williams, D., Brummell, K., Does home visiting improve parenting and the quality of the home environment? A systematic review and meta analysis, Archives of Disease in Childhood, 82, 443-51, 2000	The aim of this systematic review is to evaluate the effectiveness of home visiting programmes on parenting and quality of the home environment. Two related studies in this systematic review has been retrieved and evaluated on our review.
Malhotra, N., Vishwambaran, L., Sundaram, K. R., Narayanan, I., A controlled trial of alternative methods of oral feeding in neonates, Early Human Development, 54, 29-38, 1999	The infants and children with faltering Growth have not been addressed in this study.
Parkinson, Kathryn N., Wright, Charlotte M., Drewett, Robert F., Mealtime energy intake and feeding behaviour in children who fail to thrive: A population-based case-control study, Journal of Child Psychology and Psychiatry, 45, 1030-1035, 2004	It is a case-control study.
Ramsay, Maria, Zelazo, Philip R., Food refusal in failure-to-thrive infants: Nasogastric feeding combined with interactive-behavioral treatment, Journal of Pediatric Psychology, 13, 329-347, 1988	There is no comparison and the sample size is very small (n=5).
Rendon-Macias, M. E., Cruz-Perez, L. A., Mosco-Peralta, M. R., Saraiba-Russell, M. M., Levi-Tajfeld, S., Morales-Lopez, M. G., Assessment of sensorial oral stimulation in infants with suck feeding disabilities, Indian journal of pediatrics, 66, 319-329, 1999	The patients involved in the study are not children with faltering growth.
Richter-Strydom, L. M., Griesel, R. D., Glatthaar, I., Effects of a nutrition education programme on the psychological performance of malnourished children. A 3-year follow-up study, South African Medical Journal. Suid-Afrikaanse Tydskrif Vir Geneeskunde, 68, 659-62, 1985	It has conducted in a developing country. Population is malnourished children in South Africa.
Robertson, Joanne, Puckering, Christine, Parkinson, Kathryn, Corlett, Lauren, Wright, Charlotte, Mother-child feeding interactions in children with and without weight faltering; nested case control study, Appetite, 56, 753-759, 2011	It is a case-control study.
Stein, A., Forsyth, R., Netsi, E., Juszczak, E., The relationship between changes in eating disorder psychopathology in mothers with eating disorders and infant weight during the first year of life, Archives of Women's Mental Health, 18 (2), 402, 2015	The participants are not infants or children with faltering growth.
Wang, X. M., Zhu, Y. P., Wang, L., Effect of positive nutritional support strategy on extrauterine growth restriction in preterm infants. [Chinese], Chinese Journal of Contemporary Pediatrics, 15, 1054-1058, 2013	The full text is in Chinese.
Ward, Mary J., Kessler, Daniel B., Altman, Susannah C., Infant-	The effectiveness of non-

Reference	Reason for Exclusion
mother attachment in children with failure to thrive, Infant Mental Health Journal, 14, 208-220, 1993	nutritional intervention has not been assessed.
Wright, C., Birks, E., Risk factors for failure to thrive: a population-based survey, Child: Care, Health & Development, 26, 5-16, 2000	It is a case-control study. The effectiveness of a non- nutritional intervention has not been assessed.
Yilmaz, G., Caylan, N., Karacan, C. D., Bodur, I., Gokcay, G., Effect of cup feeding and bottle feeding on breastfeeding in late preterm infants: a randomized controlled study, Journal of Human Lactation, 30, 174-9, 2014	The study population are preterm infants in ICU.
Zeskind, P. S., Ramey, C. T., Fetal malnutrition: an experimental study of its consequences on infant development in two caregiving environments, Child Development, 49, 1155-62, 1978	The study has focused on fetal malnutrition. Children with faltering growth have not been addressed.
Zeskind, P. S., Ramey, C. T., Preventing intellectual and interactional sequelae of fetal malnutrition: a longitudinal, transactional, and synergistic approach to development, Child Development, 52, 213-8, 1981	The study has focused on fetal malnutrition. Children with faltering growth have not been addressed.

## H.112 Monitoring

Reason for Exclusion
The study aimed to assess the current use of growth charts throughout a questionnaire, no relevant data specific to growth monitoring was reported
Population did not present with faltering growth; study was carried out in a low income country (Pakistan)
Narrative review, no data relevant to growth monitoring was reported
Narrative review, only generalizable to low income countries
Study reviews the thresholds used for recognition of faltering growth, but does not provide with specific information about growth measurements
Narrative review. Specific data on growth monitoring or faltering growth was not reported
Narrative review focused on thresholds for atypical growth
Study does not provide with growth measurements data, only with the presence/absence of faltering growth and its origin.

Reference	Reason for Exclusion
Centre for Reviews and Dissemination, A	Executive summary, no data about growth
systematic review of the routine monitoring of	monitoring was provided
growth in children of primary school age to	
identify growth-related conditions (Structured abstract), Database of Abstracts of Reviews of	
Effects, 2015	
Clemons, R. M., Issues in newborn care,	Narrative review. No data regarding growth
Primary Care; Clinics in Office Practice, 27, 251-	monitoring was reported
67, 2000	
Corbett, S. S., Drewett, R. F., Wright, C. M.,	The comparison group is the control group,
Does a fall down a centile chart matter? The	which has measures at the same time points as
growth and developmental sequelae of mild	the faltering growth group
failure to thrive, Acta Paediatrica, 85, 1278-83, 1996	
De Curtis, M., Rigo, J., Extrauterine growth	Narrative review, no data relevant to growth
restriction in very-low-birthweight infants, Acta	monitoring was reported
Paediatrica, 93, 1563-8, 2004	
De Onis, M., Monitoring child growth and infant	Abstract of a narrative review. No relevant data
and young child feeding practices, Annals of	regarding growth monitoring was reported
Nutrition and Metabolism, 63, 51, 2013	N
Drewett, R., Emond, A., Blair, P., Emmett, P.,	No comparison group
The importance of slow weight gain in the first 2 months in identifying children who fail to thrive,	
Journal of Reproductive and Infant Psychology,	
23, 309-317, 2005	
Emond, A. M., Blair, P. S., Emmett, P. M.,	No comparison group
Drewett, R. F., Weight faltering in infancy and IQ	
levels at 8 years in the Avon Longitudinal Study	
of Parents and Children, Pediatrics, 120, e1051-8, 2007	
Frisancho, A. R., Reduction of birth weight	Population are adolescents and adults and not
among infants born to adolescents: maternal-	children with faltering growth
fetal growth competition, Annals of the New York	0 0
Academy of Sciences, 817, 272-80, 1997	
Gerein, N., Is growth monitoring worthwile?,	Narrative review, does not contain relevant
Health Policy and Planning, 3, 181-194, 1988 Hall, D. M., Growth monitoring: the next five	growth monitoring data  Narrative review, no data relevant to growth
years, Journal of Medical Screening, 2, 174-8,	monitoring was reported
1995	monitoring was reported
Hall, D. M., Growth monitoring, Archives of	Narrative review, no data relevant to growth
Disease in Childhood, 82, 10-5, 2000	monitoring was reported
Haymond, M., Kappelgaard, A. M., Czernichow,	Narrative review, no data relevant to growth
P., Biller, B. M., Takano, K., Kiess, W., Global	monitoring was reported
Advisory Panel Meeting on the Effects of Growth, Hormone, Early recognition of growth	
abnormalities permitting early intervention, Acta	
Paediatrica, 102, 787-96, 2013	
Henry, J. J., Routine growth monitoring and	Narrative review. Specific data on growth
assessment of growth disorders, Journal of	monitoring or faltering growth was not reported
Pediatric Health Care, 6, 291-301, 1992	
Holme, A. R., Blair, P. S., Emond, A. M.,	Study does not compare an increased frequency
Psychosocial and educational outcomes of weight faltering in infancy in ALSPAC, BMJ	of monitoring with routine monitoring
Open, 3 (7) (no pagination), 2013	
Jaddoe, V. W., van Duijn, C. M., Franco, O. H.,	This review summarises the design of the
van der Heijden, A. J., van lizendoorn, M. H., de	Generation R study but does not provide any
Jongste, J. C., van der Lugt, A., Mackenbach, J.	data in growth monitoring or faltering growth
P., Moll, H. A., Raat, H., Rivadeneira, F.,	
Steegers, E. A., Tiemeier, H., Uitterlinden, A. G.,	
Verhulst, F. C., Hofman, A., The Generation R	

Reference	Reason for Exclusion
Study: design and cohort update 2012, European Journal of Epidemiology, 27, 739-56, 2012	
James Cole, T., Assessment of growth, Best Practice and Research: Clinical Endocrinology and Metabolism, 16, 383-398, 2002	Narrative review
Karlberg, J., Jalil, F., Lam, B., Low, L., Yeung, C. Y., Linear growth retardation in relation to the three phases of growth, European Journal of Clinical Nutrition, 48 Suppl 1, S25-43; discussion S43-4, 1994	No comparison group was reported
Mulligan, J., Voss, L. D., McCaughey, E. S., Bailey, B. J., Betts, P. R., Growth monitoring: testing the new guidelines, Archives of Disease in Childhood, 79, 318-22, 1998	Population included in the study do not meet the age criteria(children at school entry)
Panpanich, Ratana, Garner, Paul, Growth monitoring in children, Cochrane Database of Systematic Reviews, 2009	The 2 studies included in this systematic review were from developing countries (South Africa and India)
Pfister,K.M., Ramel,S.E., Linear Growth and Neurodevelopmental Outcomes, Clinics in Perinatology, 41, 309-321, 2014	Narrative review
Richard, S. A., Black, R. E., Checkley, W., Revisiting the relationship of weight and height in early childhood, Advances in Nutrition, 3, 250- 4, 2012	Narrative review focused on interventions to improve nutritional status of children living in developing countries
Sachs, M., Dykes, F., Carter, B., Weight monitoring of breastfed babies in the United Kingdom - Interpreting, explaining and intervening, Maternal and Child Nutrition, 2, 3-18, 2006	Narrative review, data about growth monitoring was not reported
ud Din, Z., Emmett, P., Steer, C., Emond, A., Growth outcomes of weight faltering in infancy in ALSPAC, Pediatrics, 131, e843-9, 2013	Comparison group (control group) gets measured at the same frequency than the faltering growth group
Warne, G. L., The assessment of growth in children, Australian Family Physician, 11, 422, 425-7, 1982	Narrative review. No data regarding growth monitoring was reported
Wells, J. C., Growth and failure to thrive, Paediatric Nursing, 14, 37-42; quiz 43, 2002	Narrative review. No data regarding growth monitoring was reported
Wright, C. M., Garcia, A. L., Child undernutrition in affluent societies: what are we talking about?, Proceedings of the Nutrition Society, 71, 545-55, 2012	No comparison group
Wright, C. M., Parkinson, K. N., Postnatal weight loss in term infants: what is normal and do growth charts allow for it?, Archives of Disease in Childhood Fetal & Neonatal Edition, 89, F254-7, 2004	No comparison group

## H.122 Referral

Reference	Reason for exclusion
Centre for Reviews and Dissemination, Effectiveness of weight management programs in children and adolescents (Structured abstract), Database of Abstracts of Reviews of Effects, 2015	Population present with overweight/obesity
Gerasimidis, K., Macleod, I., Maclean, A., Buchanan, E., McGrogan, P., Swinbank, I., McAuley, M., Wright, C. M., Flynn, D. M., Performance of the novel Paediatric Yorkhill Malnutrition	Study provides with the description of the development of a tool for nutritional

Reference	Reason for exclusion
Score (PYMS) in hospital practice, Clinical Nutrition, 30, 430-5, 2011	screening but does not present with specific data about referral
Grote, F. K., Oostdijk, W., De Muinck Keizer-Schrama, S. M., van Dommelen, P., van Buuren, S., Dekker, F. W., Ketel, A. G., Moll, H. A., Wit, J. M., The diagnostic work up of growth failure in secondary health care; an evaluation of consensus guidelines, BMC Pediatrics, 8, 21, 2008	Population included do not present with faltering growth
Jellinek, D., Hall, D. M., How are children's growth problems diagnosed?, Child: Care, Health & Development, 20, 371-7, 1994	Study presents with the results of a survey made to parents regarding growth problems, but no specific data on referral or growth faltering.
Pritchard, N., A practical approach to the assessment of faltering growth in the infant and toddler, Paediatrics and Child Health (United Kingdom), 25, 433-436, 2015	Narrative review. The study provides with statement about how to assess faltering growth, but does not provide with specific data about referral
van Buuren, S., Bonnemaijer-Kerckhoffs, D. J., Grote, F. K., Wit, J. M., Verkerk, P. H., Many referrals under Dutch short stature guidelines, Archives of Disease in Childhood, 89, 351-2, 2004	Study does not present with a comparison group, children do not present with faltering growth
van Buuren, S., van Dommelen, P., Zandwijken, G. R., Grote, F. K., Wit, J. M., Verkerk, P. H., Towards evidence based referral criteria for growth monitoring, Archives of Disease in Childhood, 89, 336-41, 2004	Chapter 5 of this guideline: individual growth curve models for assessing evidence-based referral criteria in growth monitoring - all children included are taking growth hormone
Wright, C. M., Talbot, E., Screening for failure to thrivewhat are we looking for?, Child: Care, Health & Development, 22, 223-34, 1996	Narrative review, study describes the process of how to screen for faltering growth, but does not provide with specific data on referral

## H.132 Organisation of care

organisation or our	
Reference	Reason for Exclusion
Ashworth, A., Shrimpton, R., Jamil, K., Growth monitoring and promotion: review of evidence of impact, Maternal & Child Nutrition, 4 Suppl 1, 86-117, 2008	Only studies from medium and low income countries were included
Bithoney, W. G., McJunkin, J., Michalek, J., Egan, H., Snyder, J., Munier, A., Prospective evaluation of weight gain in both nonorganic and organic failure-to-thrive children: an outpatient trial of a multidisciplinary team intervention strategy, Journal of Developmental & Behavioral Pediatrics, 10, 27-31, 1989	Not an RCT
Bryson, S. R., Theriot, L., Ryan, N. J., Pope, J., Tolman, N., Rhoades, P., Primary follow-up care in a multidisciplinary setting enhances catch-up growth of very-low-birth-weight infants, Journal of the American Dietetic Association, 97, 386-90, 1997	Children had been admitted to a NICU setting; not an RCT.
Cole, S. Z., Lanham, J. S., Failure to thrive: an update, American Family Physician, 83, 829-34, 2011	This is a review of the current evidence related to faltering growth
Garner, P., Panpanich, R., Logan, S., Is routine growth monitoring	In this systematic review, the

effective? A systematic review of trials, Archives of Disease in Childhood, 82, 197-201, 2000	setting for the included studies are not high-income countries
Hench, K. D., Shults, J., Benyi, T., Clow, C., Delaune, J., Gilluly, K., Johnson, L., Johnson, M., Rosister, K., McKnight-Menci, H., Shorkey, D., Waite, F., Weber, C., Lipman, T. H., Effect of educational preparation on the accuracy of linear growth measurement in pediatric primary care practices: Results of a multicenter nursing study, Journal of Pediatric Nursing, 20, 64-74, 2005	Study not related with service configuration
Heuschkel, R., Salvestrini, C., Beattie, R. M., Hildebrand, H., Walters, T., Griffiths, A., Guidelines for the management of growth failure in childhood inflammatory bowel disease, Inflammatory Bowel Diseases, 14, 839-49, 2008	The main aim of this RCT was to identify treatments for faltering growth
Lipman, T. H., Hench, K. D., Benyi, T., Delaune, J., Gilluly, K. A., Johnson, L., Johnson, M. G., McKnight-Menci, H., Shorkey, D., Shults, J., Waite, F. L., Weber, C., A multicentre randomised controlled trial of an intervention to improve the accuracy of linear growth measurement, Archives of Disease in Childhood, 89, 342-6, 2004	Study focused on measurement accuracy and measurement devices
McCarton, C. M., Brooks-Gunn, J., Wallace, I. F., Bauer, C. R., Bennett, F. C., Bernbaum, J. C., Broyles, R. S., Casey, P. H., McCormick, M. C., Scott, D. T., Tyson, J., Tonascia, J., Meinert, C. L., Results at age 8 years of early intervention for low-birth-weight premature infants. The Infant Health and Development Program, JAMA, 277, 126-32, 1997	Children with low birth weight
Resnick, M. B., Davis, E. F., Nelson, R. M., et al.,, Developmental intervention for low birth weight infants: Improved early developmental outcome, Pediatrics, 80, 68-74, 1987	Not an RCT
Scholler, I., Nittur, S., Understanding failure to thrive, Paediatrics and Child Health (United Kingdom), 22, 438-442, 2012	Narrative review

## **H.14**<sub>2</sub> Information and support

Reference	Reason for Exclusion
Adamson, M., Morawska, A., Sanders, M. R., Childhood feeding difficulties: a randomized controlled trial of a group-based parenting intervention, Journal of developmental and behavioral pediatrics: JDBP, 34, 293-302, 2013	Parenting programme (not giving information). Not focused on measurement of growth.
Centre for Reviews and Dissemination, Targeting physical activity and nutrition interventions towards mothers with young children: a review on components that contribute to attendance and effectiveness (Structured abstract), Database of Abstracts of Reviews of Effects, 2015	Children not specifically with growth concerns
Centre for Reviews and Dissemination, A systematic review of the effectiveness of peer/paraprofessional 1: 1 interventions targeted towards mothers (parents) of 0-6 year old children in promoting positive maternal (parental) and/or child health/developmental outcomes (Structured abstract), Database of Abstracts of Reviews of Effects, 2015	No relevant articles
Centre for Reviews and Dissemination, Parent participation in weight-related health interventions for children and adolescents: a systematic review and meta-analysis (Structured abstract), Database of Abstracts of Reviews of Effects, 2015	No relevant articles
Centre for Reviews and Dissemination, A systematic review of telephone support for women during pregnancy and the early postpartum period (Structured abstract), Database of Abstracts of	No relevant articles

Reference	Reason for Exclusion
Reviews of Effects, 2015	
Anonymous,, Failure to thrive: what this means for your child, American Family Physician, 83, 837-8, 2011	No qualitative analysis presented (info leaflet).
Beale, B., McMaster, R., Hillege, S., Eating disorders: a qualitative analysis of the parents' journey, Contemporary Nurse, 18, 124-32, 2004	Population considered and addressed = adolescents with eating disorders (bulimia and anorexia nervosa).
Borucki, L. C., Breastfeeding mothers' experiences using a supplemental feeding tube device: finding an alternative, Journal of Human Lactation, 21, 429-38, 2005	Qualitative analysis of women's perspectives on alternative breastfeeding intervention. No mention of FG or FTT.
Brotherton, A. M., Abbott, J., Aggett, P. J., The impact of percutaneous endoscopic gastrostomy feeding in children; the parental perspective, Child: Care, Health & Development, 33, 539-46, 2007	Population = children with PEG (only 2/24 have FG); not specific to FG.
Crawford, P. B., Gosliner, W., Anderson, C., Strode, P., Becerra- Jones, Y., Samuels, S., Carroll, A. M., Ritchie, L. D., Counseling Latina mothers of preschool children about weight issues: suggestions for a new framework, Journal of the American Dietetic Association, 104, 387-94, 2004	Population studied = healthy children. The paper collects the perspectives of Latina mothers.
Funkquist, E. L., Carlsson, M., Nyqvist, K. H., Consulting on feeding and sleeping problems in child health care: what is at the bottom of advice to parents?, Journal of Child Health Care, 9, 137-52, 2005	Population not clearly defined, evidence not relevant for the review protocol on what information and support should be provided to parents and carers.
Hillege, S., Beale, B., McMaster, R., Impact of eating disorders on family life: Individual parents' stories, Journal of Clinical Nursing, 15, 1016-1022, 2006	Population considered and addressed = adolescents with eating disorders of onset 10-19 years (bulimia and anorexia nervosa).
Kawakami, C., Fujiwara, C., Experiences of parents' with children receiving long-term home parenteral nutrition, Pediatrics International, 55, 612-8, 2013	Population = preschool children with chronic eating disorders who have received total parental nutrition for 1-6 years. Not specific to FG.
Loth, K. A., Neumark-Sztainer, D., Croll, J. K., Informing family approaches to eating disorder prevention: Perspectives of those who have been there, International Journal of Eating Disorders, 42, 146-152, 2009	Population considered and addressed = adolescents with eating disorders (bulimia and anorexia nervosa).
Rogeberg, K., Eating disorders and the family. Experiences gathered in a parent support group, Acta Psychiatrica Scandinavica, Supplementum, 361, 50-1, 1990	Not qualitative analysis evidence, and not specific to children with FG.
Singer, L. T., Song, L. Y., Hill, B. P., Jaffe, A. C., Stress and depression in mothers of failure-to-thrive children, Journal of Pediatric Psychology, 15, 711-20, 1990	The paper reports on prevalence of stress in mothers of FTT children. No qualitative analysis presented.
Woolford, S. J., Clark, S. J., Lumeng, J. C., Williams, D. R., Davis, M. M., Maternal perspectives on growth and nutrition counseling provided at preschool well-child visits, Journal of the National Medical Association, 99, 153-8, 2007	Population = mothers of healthy children, the study reports on their understanding of growth charts but this evidence is too indirect to be used for FG.
Adamson, M., Morawska, A., Sanders, M. R., Childhood feeding difficulties: a randomized controlled trial of a group-based	Parenting programme (not giving information). Not

Reference	Reason for Exclusion
parenting intervention, Journal of developmental and behavioral pediatrics: JDBP, 34, 293-302, 2013	focused on measurement of growth.

## H.152 Health economics

Peference	Reason for Exclusion
Reference	
Bachmann, M. O., Cost effectiveness of community-based therapeutic care for children with severe acute malnutrition in Zambia: decision tree model, Cost Effectiveness & Resource Allocation, 2 2009	Population not relevant to UK setting
Beissel, A., Nguyen, K. A., Pillet, F., Doiret, F., Plaisant, F., Gauthier-Moulinier, H., Magrou, A. S., Tarifa-Buisson, H., Deruy, F., Goyet, A. S., Conti, I., Keita, C., Duhamel, C., Hommey, S., Hommey, S. D. A., Touzet, S., Claris, O., Effects of education nurse program in improving feeding pattern in premature infants, Archives of Disease in Childhood, A477 2014	Not HE
Breitfelder, A., Wenig, C. M., Wolfenstetter, S. B., Rzehak, P., Menn, P., John, J., Leidl, R., Bauer, C. P., Koletzko, S., Roder, S., Herbarth, O., von Berg, A., Berdel, D., Kramer, U., Schaaf, B., Wichmann, H. E., Heinrich, J., Gini-plus, Lisa-plus Study Groups, Relative weight-related costs of healthcare use by children-results from the two German birth cohorts, GINI-plus and LISA-plus, Economics & Human Biology, 302-15 2011	Population not relevant to FG
Butler, T. J., Szekely, L. J., Grow, J. L., A standardized nutrition approach for very low birth weight neonates improves outcomes, reduces cost and is not associated with increased rates of necrotizing enterocolitis, sepsis or mortality, Journal of Perinatology, 851-7 2013	Abstract only - full text could not be retrieved
Casiro, O. G., McKenzie, M. E., McFadyen, L., Shapiro, C., Seshia, M. M., MacDonald, N., Moffatt, M., Cheang, M. S., Earlier discharge with community-based intervention for low birth weight infants: a randomized trial, Pediatrics, 128-34 1993	Not relevant to any review question
Cheung, Y. B., Lam, K. F., Three estimates of the association between linear growth failure and cognitive ability, Tropical Medicine & International Health, 1020-4 2009	Looks at long-term outcomes of faltering growth, which was not relevant to any review question
Corbett, S. S., Drewett, R. F., Durham, M., Tymms, P., Wright, C. M., The relationship between birthweight, weight gain in infancy, and educational attainment in childhood, Paediatric and Perinatal Epidemiology, 57-64 2007	Looks at long-term outcomes of faltering growth, which was not relevant to any review question
Craig, D., Fayter, D., Stirk, L., Crott, R., Growth monitoring for short stature: update of a systematic review and economic model, Health Technology Assessment (Winchester, England), iii-iv, 1-64 2011	Systematic review identifying only studies also identified by NICE search
Dallas, M. J., Bowling, D., Roig, J. C., Auestad, N., Neu, J., Enteral glutamine supplementation for very-low-birth-weight infants decreases hospital costs, Jpen, 352-6 1998	Not relevant to any review question
Dewey, K. G., Begum, K., Long-term consequences of stunting in early life, Maternal & Child Nutrition, 43221 2011	Looks at long-term outcomes of faltering growth, which was not relevant to any review question
Durand-Zaleski, I., Developments in idiopathic short stature: cost versus allocation of resources, Hormone research in pdiatrics, 33-5 2011	Not relevant to any review question

Reference	Reason for Exclusion
Hall, A., Khanh, L. N., Son, T. H., Dung, N. Q., Lansdown, R. G., Dar, D. T., Hanh, N. T., Moestue, H., Khoi, H. H., Bundy, D. A., Partnership for Child, Development, An association between chronic undernutrition and educational test scores in Vietnamese children, European Journal of Clinical Nutrition, 801-4 2001	Population not relevant to UK setting
Hoddinott, J., Alderman, H., Behrman, J. R., Haddad, L., Horton, S., The economic rationale for investing in stunting reduction, Maternal & Child Nutrition, 69-82 2013	Looks at long-term outcomes of faltering growth, which was not relevant to any review question
Hoddinott, J., Behrman, J. R., Maluccio, J. A., Melgar, P., Quisumbing, A. R., Ramirez-Zea, M., Stein, A. D., Yount, K. M., Martorell, R., Adult consequences of growth failure in early childhood, American Journal of Clinical Nutrition, 1170-8 2013	Looks at long-term outcomes of faltering growth, which was not relevant to any review question
Howe, T.H., Sheu, C.F., Wang, T.N., Hsu, Y.W., Parenting stress in families with very low birth weight preterm infants in early infancy, Research in Developmental Disabilities, 1748-1756 2014	Population not relevant to UK setting
Jelliffe-Pawlowski, L. L., Hansen, R. L., Neurodevelopmental outcome at 8 months and 4 years among infants born full-term small-for-gestational-age, Journal of Perinatology, 505-14 2004	Not HE
Karlberg, J., Albertsson-Wikland, K., Baber, F. M., Low, L. C., Yeung, C. Y., Born small for gestational age: consequences for growth, Acta Paediatrica Supplement, 8-13; discussion 14 1996	Looks at long-term outcomes of faltering growth, which was not relevant to any review question
Klek, S., Hermanowicz, A., Dziwiszek, G., Matysiak, K., Szczepanek, K., Szybinski, P., Galas, A., Home enteral nutrition reduces complications, length of stay, and health care costs: results from a multicenter study, The American journal of clinical nutrition, 609-15 2014	Population not relevant to FG
Koltowska-Haggstrom, M., Quality of life and growth hormone deficiency in adult patients in clinical evaluation and health economic assessment, Pediatric endocrinology, diabetes, & metabolism, 203-9 2009	Population not relevant to FG
McDougall, P., Drewett, R. F., Hungin, A. P., Wright, C. M., The detection of early weight faltering at the 6-8-week check and its association with family factors, feeding and behavioural development, Archives of Disease in Childhood, 549-52 2009	Not HE
Norgan, N. G., Long-term physiological and economic consequences of growth retardation in children and adolescents, Proceedings of the Nutrition Society, 245-56 2000	Looks at long-term outcomes of faltering growth, which was not relevant to any review question
Schmitt, B. D., Mauro, R. D., Nonorganic failure to thrive: an outpatient approach, Child Abuse & Neglect, 235-48 1989	Not HE

# 5 Appendix I: Forest and percentage plots

6

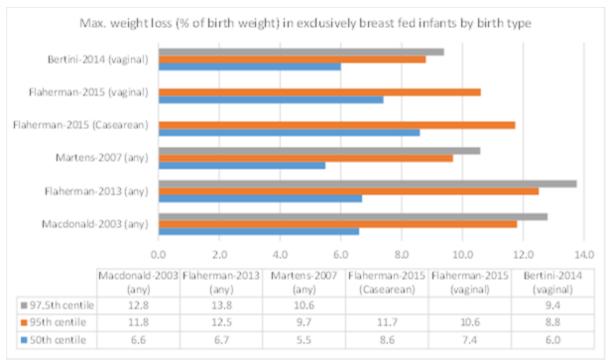
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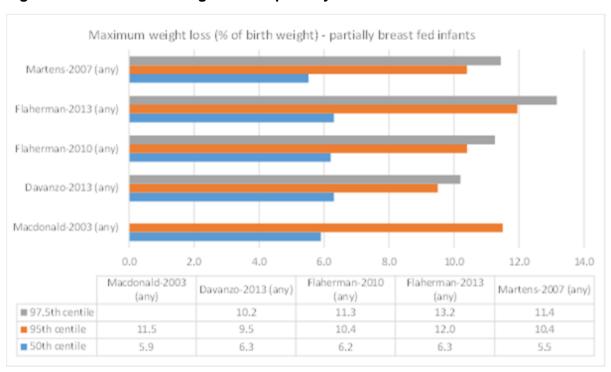
## I.11 Weight loss in the first days of life

#### 2 Figure 16: Maximum weight loss in exclusively breast fed infants



3

#### 5 Figure 17: Maximum weight loss in partially breast fed infants

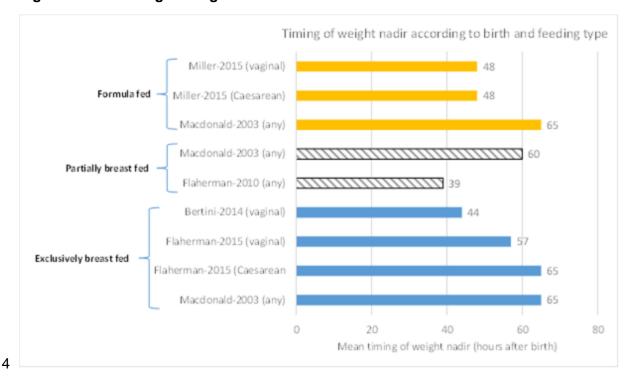


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#### 1 Figure 18: Maximum weight loss in formula fed infants



#### 3 Figure 19: Timing of weight nadir



## **I.2**<sup>5</sup> Thresholds for faltering growth

6 Not applicable for this review

## I.37 Weight loss associated with adverse outcomes

8 Not applicable for this review

### I.41 Differences in feeding and eating

2 Not applicable for this review

### I.53 Approaches in assessing feeding and eating

4 Not applicable for this review

#### I.65 Risk factors

6 Not applicable for this review

### 1.77 Prevalence of specific causative organic disorders

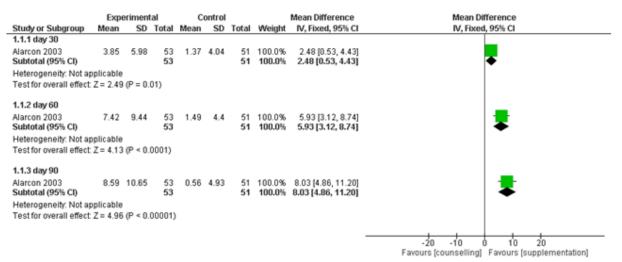
8 Not applicable for this review

## I.89 Breastfeeding support

10 Not applicable for this review

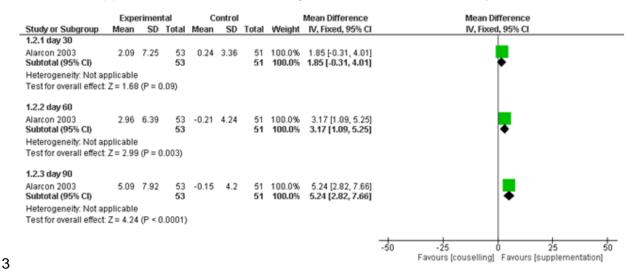
## I.91 Dietary advice and supplementation

## Figure 20: Weight for age measurement for nutritional counselling + nutritional supplement versus counselling alone at 30, 60, and 90 days

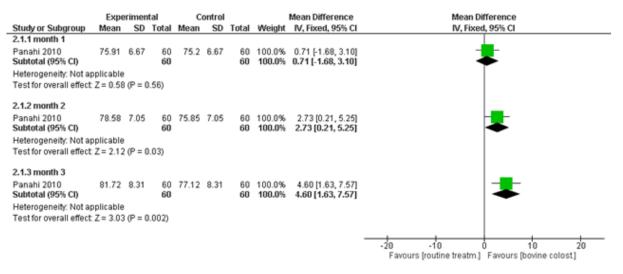


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## 1 Figure 21: Height for age measurement for nutritional counselling + nutritional supplement versus counselling alone at 30, 60, and 90 days



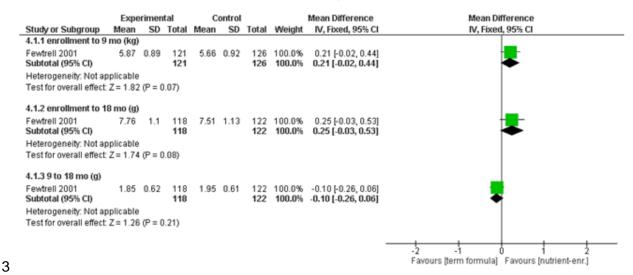
## 4 Figure 22: Weight for age measurement for routine treatments + bovine colostrum versus routine treatments alone at 1, 2, and 3 months



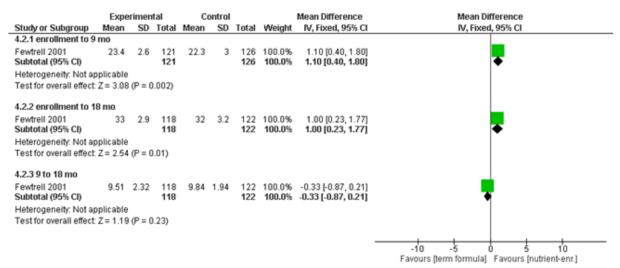
7 Figure 23: Height for age measurement for routine treatments + bovine colostrum versus routine treatments alone at 1, 2, and 3 months

	erimental Control						Mean Difference	Mean Difference	
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	IV, Fixed, 95% CI
2.2.1 month 1									
Panahi 2010 Subtotal (95% CI)	91.14	3.62	60 60	91.06	3.62	60 <b>60</b>		0.08 [-1.22, 1.38] 0.08 [-1.22, 1.38]	#
Heterogeneity: Not as	pplicable								
Test for overall effect	Z = 0.12	(P = 0	1.90)						
2.2.2 month 2									<u>L</u>
Panahi 2010 Subtotal (95% CI)	92.1	3.87	60 60	91.55	3.87	60 <b>60</b>	100.0% 100.0%		<b>‡</b>
Heterogeneity: Not as	pplicable								
Test for overall effect	Z = 0.78	(P = 0	1.44)						
2.2.3 month 3									
									_
Panahi 2010 Subtotal (95% CI)	92.91	3.89	60 60	91.71	3.89	60 60	100.0% 100.0%	1.20 [-0.19, 2.59] 1.20 [-0.19, 2.59]	-
Heterogeneity: Not as	pplicable								
Test for overall effect	Z = 1.69	P = 0	1.09)						
									-10 -5 0 5 10
									Favours (routine treatm.) Favours (bovine colost.)

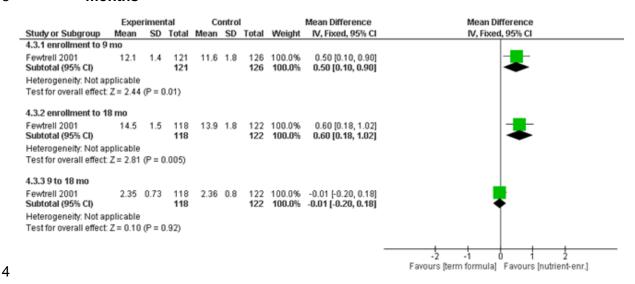
## 1 Figure 24: Weight measurement for nutrient-enriched formula versus standard term formula at 9 and 18 months follow-up, and between 9 and 18 months



## 4 Figure 25: Length measurement for nutrient-enriched formula versus standard term formula at 9 and 18 months follow-up, and between 9 and 18 months



#### 1 Figure 26: Occipital frontal measurement for nutrient-enriched formula versus 2 standard term formula at 9 and 18 months follow-up, and between 9 and 18 3 months

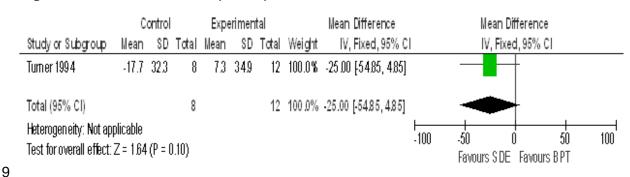


#### I.105 Non-nutritional interventions

#### 6 Figure 27: Energy intake (% RDI)

	Control			Control Experimental				Mean Difference		Mean Difference			
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI		IV	, Fixed, 95%	6 CI	
Tumer 1994	6.1	10.6	8	45	232	12	100.0%	1.60 [13.44, 16.64]			-		
Total (95% CI)			8			12	100.0%	1.60 [-13.44, 16.64]			•		
Heterogen eity: Not a Test for overall effec	• •	(P = 0	183)						-100	-50 Favours	0 SDE Favo	50 urs BPT	100

#### 8 Figure 28: Protein intake (% RDI)



## I.11 Monitoring

7

10

12 Not applicable for this review

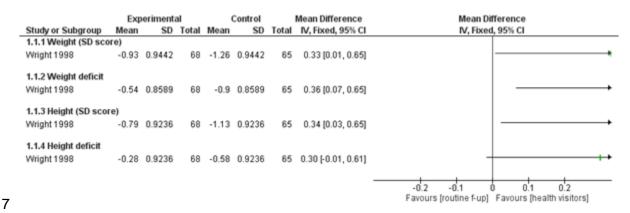
#### I.121 Referral

2 Not applicable for this review

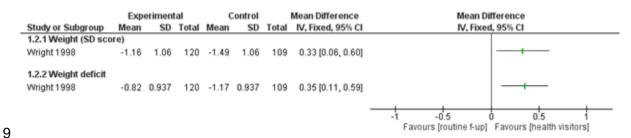
### I.133 Organisation of care

#### I.13.14 Structured health visitor management compared to routine monitoring only

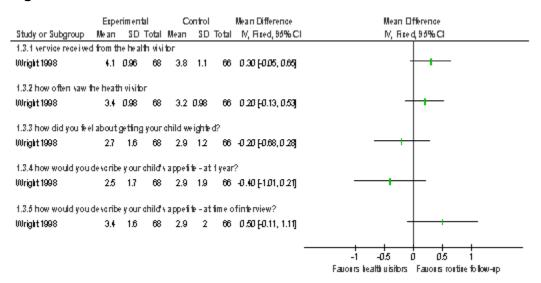
## 5 Figure 29: Weight (SD score and deficit) and height (SD score and deficit) at home visit



#### 8 Figure 30: Weight (SD score) and weight deficit at last follow-up

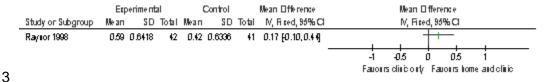


#### 10 Figure 31: Parent or carer satisfaction

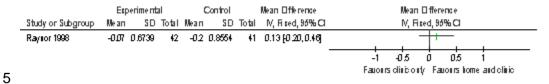


#### I.13.21 Specialised home visit + outpatient clinic compared to outpatient clinic only

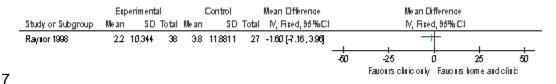
#### 2 Figure 32: Weight (SD score)



#### 4 Figure 33: Height (SD score)



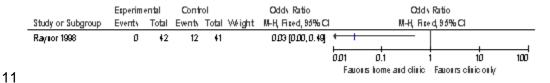
#### 6 Figure 34: Mental development index



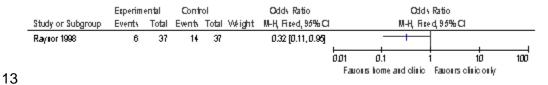
#### 8 Figure 35: Psychomotor developmental index

	Esp	oerim enta	al		Control		Mean Difference		М	Mean □fference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	N, Fited, 95% CI		IV	, Riced, 95%)	a	
Raytor 1998	8.2	16.1245	38	5.6	13,3978	27	2.60 [4.60,9.80]		+-			
								-100	-60	Ó	50	100
									Fauors cliri	conty Fauon	rs home and o	áric .

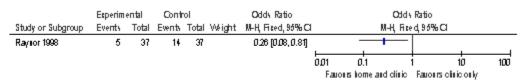
#### 10 Figure 36: Referrals to a community dietitian



#### 12 Figure 37: Admissions to hospital

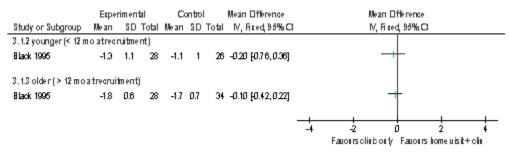


#### 14 Figure 38: Missed ≥ 3 outpatient appointments



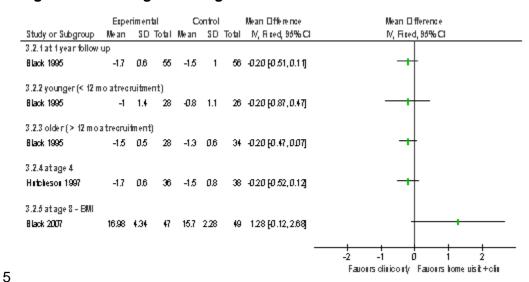
#### I.13.31 Lay home visit + growth and nutrition clinic compared to clinic only

#### 2 Figure 39: Weight for age at 1 year

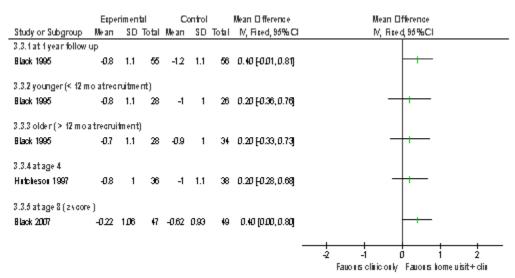


#### 3

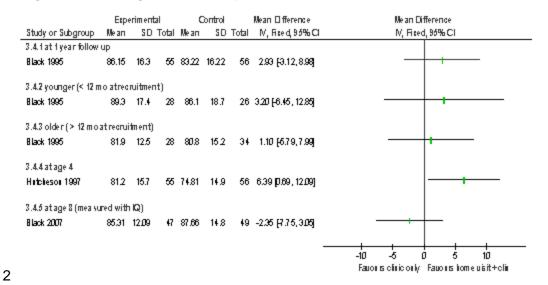
#### 4 Figure 40: Weight for height



### 6 Figure 41: Height for age



#### 1 Figure 42: Cognitive development



## **I.14**<sup>3</sup> Information and support

4 Not applicable for this review

#### I.155 Health economics

6 Not applicable for this review