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Faltering growth

NICE guideline: short version

Draft for consultation [April 2017]

This guideline covers recognition, assessment and monitoring of faltering growth in infants and children. It includes definition of growth thresholds for concern, and identification of the risk factors for, and possible causes of, faltering growth. It also covers interventions, monitoring, when to refer, service design, and information and support.

Who is it for?

- Healthcare professionals
- Providers of children's services
- Commissioners of children's services
- Parents and carers of children with faltering growth

This version of the guideline contains the draft recommendations, context and recommendations for research. Information about how the guideline was developed is on the [guideline's page](#) on the NICE website. This includes the guideline committee's discussion and the evidence reviews (in the [full guideline](#)), the scope, and details of the committee and any declarations of interest.

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1 Recommendations

People have the right to be involved in discussions and make informed decisions about their care, as described in [your care](#).

[Making decisions using NICE guidelines](#) explains how we use words to show the strength (or certainty) of our recommendations, and has information about prescribing medicines (including off-label use), professional guidelines, standards and laws (including on consent and mental capacity), and safeguarding.

2 **1.1 Weight loss in the early days of life**

3 Some weight loss in the first days after birth (referred to in this guideline as the early
4 days of life) is normal and usually relates to body fluid adjustments. Sometimes there
5 may be reason for concern about weight loss in the early days of life, which may
6 need assessment and intervention. For this reason weight loss in the early days of
7 life is dealt with separately in this guideline from concerns about weight loss or
8 inadequate weight gain in older infants and children, which is often related to
9 nutritional intake.

10 1.1.1 Be aware that:

- 11 • it is common for infants to lose some weight during the early days of
- 12 life.
- 13 • this weight loss usually stops after about 3 or 4 days of life.
- 14 • most infants have returned to their birth weight by 3 weeks of age.

15 1.1.2 If infants in the early days of life lose more than 10% of their birth weight
16 or they have not returned to their birth weight by 3 weeks of age:

- 17 • perform a clinical assessment, looking for signs of illness such as
- 18 dehydration
- 19 • take a detailed feeding history (see NICE's guideline on [Postnatal care](#)
- 20 [up to 8 weeks after birth](#))
- 21 • consider direct observation of feeding

- 1 • ensure observation of feeding, if needed, is done by an individual with
2 appropriate training and expertise (for example, in relation to
3 breastfeeding and bottle feeding)
- 4 • perform further investigations only if they are indicated based on the
5 clinical assessment.
- 6 1.1.3 Provide feeding support (see recommendations in NICE’s guideline on
7 [Postnatal care up to 8 weeks after birth](#)) if there is concern about weight
8 loss in infants in the early days of life, for example if they have lost more
9 than 10% of their birth weight or have not returned to their birth weight by
10 3 weeks of age.
- 11 1.1.4 If infants lose more than 10% of their birth weight in the early days of life
12 or they have not returned to their birth weight by 3 weeks of age, consider:
- 13 • referral to paediatric services if there is evidence of illness, marked
14 weight loss, or failure to respond to interventions (see recommendation
15 1.1.3)
- 16 • when to reassess if not referred to paediatric services.
- 17 1.1.5 If an infant loses more than 10% of their birth weight in the early days of
18 life, measure their weight again at appropriate intervals depending on the
19 level of concern, but usually no more frequently than daily.
- 20 1.1.6 Be aware that while supplementary feeding with infant formula in a
21 breastfed infant may help with weight gain, it often results in cessation of
22 breastfeeding.
- 23 1.1.7 If supplementation with an infant formula is given to a breastfed infant:
- 24 • support the mother to continue breastfeeding
- 25 • advise expressing breast milk to promote milk supply (the expressed
26 milk can then be fed to the infant).

1 **1.2 *Faltering growth after the early days of life***

2 ***Thresholds***

3 1.2.1 Consider using the following as thresholds for concern about faltering
4 growth in infants and children (a centile space being the space between
5 adjacent centile lines on the [UK WHO growth charts](#)):

- 6 • a fall across 1 or more centile spaces, if birthweight was below the 9th
7 centile,
- 8 • a fall across 2 or more centile spaces, if birthweight was between the
9 9th and 91st centiles,
- 10 • a fall across 3 or more centile spaces, if birthweight was above the 91st
11 centile,
- 12 • when current weight is below the 2nd centile for age, whatever the
13 birthweight.

14 ***Measurement of weight and height or length***

15 1.2.2 If there is concern about faltering growth (for example, based on the
16 criteria in recommendation 1.2.1):

- 17 • weigh the infant or child
- 18 • measure their length (from birth to 2 years old) or height (if aged over 2
19 years)
- 20 • plot the above measurements and available previous measurements on
21 the [UK WHO growth charts](#) to assess weight change and linear growth
22 over time.

23 1.2.3 If there are concerns about an infant's length or a child's length or height,
24 obtain the parents' heights and work out the mid-parental height centile. If
25 the child's length or height centile is below the range predicted from
26 parental heights (more than 2 centile spaces below the mid-parental
27 centile) be aware this could suggest [undernutrition](#) or a primary growth
28 disorder.

1 1.2.4 If there is concern about faltering growth or [linear growth](#) in a child over 2
2 years of age, determine the BMI centile:

- 3 • using the UK WHO centiles and the accompanying BMI centile ‘look-up
4 chart’, **or**
- 5 • by calculating the BMI (weight in kg/height in metres squared) and
6 plotting this on the [BMI centile chart](#).

7 Then:

- 8 • if the BMI is below the 2nd centile, be aware this may reflect either
9 undernutrition or a small build
- 10 • if the BMI is below the 0.4th centile, this suggests probable
11 undernutrition that needs assessment and intervention.

12 1.2.5 Record all growth measurements in the parent or carer-held Personal
13 Child Health Record.

14 **Assessment**

15 1.2.6 If an infant's or child's feeding or mealtimes needs to be observed
16 because of concerns about faltering growth, ensure this is done by an
17 individual with appropriate training and expertise.

18 1.2.7 If there is concern about faltering growth:

- 19 • perform a clinical and developmental assessment, and take a detailed
20 feeding or eating history
- 21 • consider direct observation of feeding or meal times
- 22 • consider investigating for:
 - 23 – urinary tract infection (follow the principles of assessment in NICE’s
24 guideline on [urinary tract infection in under 16s](#))
 - 25 – coeliac disease, if the diet has included gluten-containing foods
26 (follow the principles of assessment in NICE’s guideline on [coeliac
27 disease](#))
- 28 • perform further investigations only if they are indicated based on the
29 clinical assessment.

- 1 1.2.8 Be aware that the following possible causes or contributory factors may
2 be associated with faltering growth:
- 3 • preterm birth
 - 4 • neurodevelopmental concerns
 - 5 • maternal postnatal depression or anxiety.
- 6 1.2.9 Be aware that investigations (other than those recommended in 1.2.7) are
7 unlikely to reveal an underlying disorder in a child with faltering growth
8 who appears well with no other clinical concerns.
- 9 1.2.10 If a child with faltering growth develops new clinical symptoms or signs
10 after the initial assessment, reconsider whether investigations are
11 needed.
- 12 1.2.11 Recognise that in faltering growth :
- 13 • a range of factors may contribute to the problem, and it may not be
14 possible to identify a clear cause
 - 15 • there may be difficulties in the interaction between an infant or child
16 and the parents or carers that may contribute to the problem, but this
17 may not be the primary cause.
- 18 1.2.12 Based on the feeding history and any direct observation of feeding,
19 consider whether any of the following are contributing to faltering growth
20 in milk-fed infants:
- 21 • ineffective suckling in breastfed infants
 - 22 • ineffective bottle feeding
 - 23 • feeding patterns or routines being used
 - 24 • the feeding environment
 - 25 • feeding aversion
 - 26 • parent/carer–infant interactions
 - 27 • how parents or carers respond to the infant’s feeding cues
 - 28 • physical disorders that affect feeding.

1 1.2.13 Based on the feeding history and any direct observation of mealtimes,
2 consider whether any of the following are contributing to faltering growth:

- 3 • mealtime arrangements and practices
- 4 • types of foods offered
- 5 • food aversion and avoidance
- 6 • parent/carer–child interactions, for example responding to the child's
7 mealtime cues
- 8 • appetite, for example a lack of interest in eating
- 9 • physical disorders that affect feeding.

10 1.2.14 Consider asking the parents or carers of infants and children with faltering
11 growth to keep a diary recording food intake (types and amounts) and
12 mealtime issues (for example, settings, behaviour) to help inform
13 management strategies and assess progress.

14 ***Interventions for faltering growth***

15 1.2.15 Together with parents and carers, establish a management plan with
16 specific goals for every infant or child where there are concerns about
17 faltering growth. This plan could include:

- 18 • assessments or investigations
- 19 • interventions
- 20 • clinical and growth monitoring
- 21 • when reassessment to review progress and achievement of growth
22 goals should happen.

23 1.2.16 Provide feeding support (see recommendations in NICE's guideline on
24 [postnatal care up to 8 weeks after birth](#)) if there is concern about faltering
25 growth in the first weeks of life. Consider whether such feeding support
26 might be helpful in older milk-fed infants, including those having
27 complementary solid foods.

28 1.2.17 Be aware that while supplementary feeding with infant formula may
29 increase weight gain in a breastfed infant if there is concern about
30 faltering growth, it often results in cessation of breastfeeding.

1 1.2.18 If supplementation with an infant formula is given to a breastfed infant
2 because of concern about faltering growth after the early days of life:

- 3 • support the mother to continue breastfeeding
- 4 • advise expressing breast milk to promote milk supply (the expressed
5 milk can then be fed to the infant).

6 1.2.19 When there are concerns about faltering growth, discuss the following, as
7 individually appropriate, with the infant's or child's parents or carers:

- 8 • encouraging relaxed and enjoyable feeding and mealtimes
- 9 • eating together as a family or with other children
- 10 • encouraging young children to feed themselves
- 11 • allowing young children to be 'messy' with their food
- 12 • making sure feeds and mealtimes are not too brief or too long
- 13 • setting reasonable boundaries for mealtime behaviour while avoiding
14 punitive approaches
- 15 • avoiding coercive feeding
- 16 • avoiding grazing
- 17 • establishing regular mealtime schedules (for example 3 meals and 2
18 snacks in a day)
- 19 • offering limited food choices at each meal.

20 1.2.20 If necessary, based on the assessment, advise on food choices for infants
21 and children that:

- 22 • are appropriate to the child's developmental stage in terms of quantity,
23 type and food texture
- 24 • optimise energy and nutrient density.

25 1.2.21 In infants or children who need a further increase in the nutrient density of
26 their diet beyond that achieved through advice on food choices, consider:

- 27 • referral to a paediatric dietitian
- 28 • short-term dietary fortification using energy-dense foods.

- 1 1.2.22 Advise the parents or carers of infants or children with faltering growth
2 that drinking too many energy-dense drinks, including milk, can reduce a
3 child's appetite for other foods.
- 4 1.2.23 Consider a trial of an oral nutritional supplement for infants or children
5 with continuing faltering growth despite other interventions (see
6 recommendations 1.2.16 to 1.2.23).
- 7 1.2.24 Regularly reassess infants and children receiving an oral nutritional
8 supplement for faltering growth to decide if it should be continued. Take
9 into account:
- 10 • weight change
 - 11 • linear growth
 - 12 • intake of other foods
 - 13 • tolerance
 - 14 • adherence
 - 15 • the views of parents or carers.
- 16 1.2.25 Only consider enteral tube feeding for infants and children with faltering
17 growth when:
- 18 • there are serious weight concerns, **and**
 - 19 • an appropriate specialist multidisciplinary assessment for possible
20 causes and contributory factors has been completed, **and**
 - 21 • other interventions have been tried without improvement.
- 22 1.2.26 If enteral tube feeding is to be used in an infant or child with faltering
23 growth, make a plan with appropriate multidisciplinary involvement, for:
- 24 • the goals of the treatment (for example reaching a specific weight
25 target)
 - 26 • the strategy for its withdrawal once the goal is reached (for example
27 progressive reduction together with strategies to promote oral intake).

1 **Monitoring**

2 1.2.27 If there are concerns about faltering growth (see recommendation 1.2.1),
3 measure the weight at appropriate intervals taking account of factors such
4 as age and the level of concern, but usually no more often than:

- 5 • daily if less than 1 month old
- 6 • weekly between 1–6 months old
- 7 • fortnightly between 6–12 months
- 8 • monthly from 1 year of age.

9 1.2.28 Monitor weight if there are concerns about faltering growth (see
10 recommendation 1.2.1), but be aware that weighing children more
11 frequently than is needed (see recommendation 1.2.27) may add to
12 parental anxiety (for example, minor short-term changes may cause
13 unnecessary concern).

14 1.2.29 Be aware that weight loss is unusual except in the early days of life, and
15 may be a reason for increased concern and more frequent weighing than
16 is recommended (see recommendation 1.2.27).

17 1.2.30 If there are concerns about faltering growth monitor length or height at
18 intervals, but no more often than every 3 months.

19 **Referral**

20 1.2.31 If an infant or child with faltering growth has any of the following discuss
21 with, or refer to, an appropriate paediatric specialist care service:

- 22 • symptoms or signs that raise suspicion of an underlying disorder
- 23 • a failure to respond to interventions delivered in a primary care setting
- 24 • rapid weight loss or severe undernutrition
- 25 • safeguarding concerns (see the NICE guideline on [child maltreatment](#)).

26 1.2.32 Do not admit infants or children with faltering growth to hospital unless
27 they are acutely unwell or there is a specific indication requiring inpatient
28 care, such as a plan to begin tube feeding (see recommendation 1.2.25).

1 **1.3** ***Organisation of care***

2 1.3.1 Ensure there is a pathway of care for infants and children where there are
3 concerns about faltering growth. Clarify the role of healthcare
4 professionals in the community setting and the process for referral to
5 specialist care in the pathway.

6 1.3.2 Provide community-based care for infants and children where there are
7 faltering growth concerns with a team (the 'primary care team') that
8 includes:

- 9 • a midwife
- 10 • health visitor
- 11 • GP.

12 1.3.3 Ensure that the primary care team has access to the following healthcare
13 professionals:

- 14 • infant feeding specialist
- 15 • consultant paediatrician
- 16 • paediatric dietitian
- 17 • speech and language therapist with expertise in feeding and eating
18 difficulties
- 19 • clinical psychologist
- 20 • occupational therapist.

21 **1.4** ***Information and support***

22 1.4.1 Follow the principles in the NICE guideline on [patient experience in NHS](#)
23 [services](#) in relation to communication (including different formats and
24 languages), information and shared decision-making.

25 1.4.2 Provide information on faltering growth or weight loss in the early days of
26 life, to parents or carers that is:

- 27 • specific to them and their child
- 28 • clearly explained and understandable to them

1 • spoken and in writing.

2 1.4.3 If there is concern about faltering growth in an infant or child, discuss with
3 the parents or carers:

4 • the reasons for the concern, and how the growth measurements are
5 interpreted

6 • any worries or issues they may have

7 • any possible or likely causes or factors that may be contributing to the
8 problem

9 • the management plan (see recommendation 1.2.15).

10 1.4.4 Recognise the emotional impact that concerns about faltering growth can
11 have on parents and carers and offer them information about available:

12 • professional support

13 • peer support.

14 ***Terms used in this guideline***

15 **Infant**

16 A baby up to 1 year of age.

17 **Child**

18 Pre-school children from 1 year of age.

19 **Undernutrition**

20 This is what happens when nutrition is not sufficient. An infant or child with
21 undernutrition may be abnormally thin, may weigh less than expected for their length
22 or height, and if prolonged undernutrition can lead to stunting (length or height less
23 than expected for age).

24 **Linear growth**

25 This is the increase in length (under 2 years of age) or height (2 years or older) over
26 time in infants and children.

1 Putting this guideline into practice

2 [This section will be completed after consultation]

3 NICE has produced [tools and resources](#) [link to tools and resources tab] to help you
4 put this guideline into practice.

5 [Optional paragraph if issues raised] Some issues were highlighted that might need
6 specific thought when implementing the recommendations. These were raised during
7 the development of this guideline. They are:

- 8 • [add any issues specific to guideline here]
- 9 • [Use 'Bullet left 1 last' style for the final item in this list.]

10 Putting recommendations into practice can take time. How long may vary from
11 guideline to guideline, and depends on how much change in practice or services is
12 needed. Implementing change is most effective when aligned with local priorities.

13 [Clinical topics only] Changes recommended for clinical practice that can be done
14 quickly – like changes in prescribing practice – should be shared quickly. This is
15 because healthcare professionals should use guidelines to guide their work – as is
16 required by professional regulating bodies such as the General Medical and Nursing
17 and Midwifery Councils.

18 Changes should be implemented as soon as possible, unless there is a good reason
19 for not doing so (for example, if it would be better value for money if a package of
20 recommendations were all implemented at once).

21 Different organisations may need different approaches to implementation, depending
22 on their size and function. Sometimes individual practitioners may be able to respond
23 to recommendations to improve their practice more quickly than large organisations.

24 Here are some pointers to help organisations put NICE guidelines into practice:

25 1. **Raise awareness** through routine communication channels, such as email or
26 newsletters, regular meetings, internal staff briefings and other communications with
27 all relevant partner organisations. Identify things staff can include in their own
28 practice straight away.

- 1 **2. Identify a lead** with an interest in the topic to champion the guideline and motivate
2 others to support its use and make service changes, and to find out any significant
3 issues locally.

- 4 **3. Carry out a baseline assessment** against the recommendations to find out
5 whether there are gaps in current service provision.

- 6 **4. Think about what data you need to measure improvement** and plan how you
7 will collect it. You may want to work with other health and social care organisations
8 and specialist groups to compare current practice with the recommendations. This
9 may also help identify local issues that will slow or prevent implementation.

- 10 **5. Develop an action plan**, with the steps needed to put the guideline into practice,
11 and make sure it is ready as soon as possible. Big, complex changes may take
12 longer to implement, but some may be quick and easy to do. An action plan will help
13 in both cases.

- 14 **6. For very big changes** include milestones and a business case, which will set out
15 additional costs, savings and possible areas for disinvestment. A small project group
16 could develop the action plan. The group might include the guideline champion, a
17 senior organisational sponsor, staff involved in the associated services, finance and
18 information professionals.

- 19 **7. Implement the action plan** with oversight from the lead and the project group.
20 Big projects may also need project management support.

- 21 **8. Review and monitor** how well the guideline is being implemented through the
22 project group. Share progress with those involved in making improvements, as well
23 as relevant boards and local partners.

- 24 NICE provides a comprehensive programme of support and resources to maximise
25 uptake and use of evidence and guidance. See our [into practice](#) pages for more
26 information.

- 27 Also see Leng G, Moore V, Abraham S, editors (2014) Achieving high quality care –
28 practical experience from NICE. Chichester: Wiley.

1 **Context**

2 The term 'faltering growth' (previously called 'failure to thrive') is widely used to refer
3 to a slower rate of weight gain in childhood than expected for age and sex. The term
4 faltering growth is preferred as periods of slow growth may represent temporary
5 variation from the expected pattern and the word 'failure' may be seen as pejorative.
6 Various definitions of faltering growth have been used in the past, meaning
7 estimates of prevalence in the UK vary widely.

8 The World Health Organisation (WHO) has produced growth standards, based on
9 longitudinal studies of healthy breastfed infants. These standards, along with UK
10 term and preterm infant growth data, have been incorporated into UK WHO growth
11 charts for monitoring growth in UK children. A child's weight, length or height and
12 head circumference can be plotted on these charts to provide a visual representation
13 of growth over time. Epidemiological data suggest that healthy children usually
14 progress relatively consistently along a growth centile.

15 Newborn infants normally lose weight in the early days of life. Persisting or large
16 weight losses can cause concern in parents, carers and health professionals about
17 ineffective establishment of feeding. In older children, faltering growth can occur
18 when nutritional intake does not meet a child's specific energy requirements.
19 Undernutrition presents as a relatively slow weight gain, demonstrated by downward
20 movement across weight centiles on the growth chart.

21 Children with faltering growth may be identified by routine growth monitoring or by
22 parental or health professional concern. Standard management is usually community
23 based, with support and advice provided to increase energy intake and manage
24 challenging feeding behaviour. Some children will be referred to paediatric dieticians
25 or paediatricians for further assessment and management.

26 Certain health conditions predispose children to faltering growth (for example, cystic
27 fibrosis or coeliac disease). Specific treatment for these conditions can improve or
28 restore expected rates of weight gain. In children with no specific cause for faltering
29 growth, simple interventions to increase nutritional intake may be effective in
30 improving weight gain. Faltering growth in early childhood may be associated with
31 persisting problems with appetite and feeding.

1 The cause of faltering growth in the absence of a specific underlying health condition
2 is likely to be complex and multifactorial. In the past, child neglect or socioeconomic
3 and educational disadvantage were often considered to be likely contributors. While
4 neglected children may be undernourished, neglect is an uncommon explanation for
5 faltering growth. Similarly, significant associations with socioeconomic or educational
6 factors have not been demonstrated.

7 There is variation across the UK in care provided for infants, children and families
8 where concerns are raised about early weight loss or faltering growth. There is
9 cultural and socioeconomic variation in starting and continuing breastfeeding, the
10 approach to introducing complementary solid food and choice of foods, feeding
11 behaviour and parental acceptance of feeding support and advice.

12 **More information**

[The following sentence is for post-consultation versions only – editor to
update hyperlink with guideline number] You can also see this guideline in the
NICE pathway on [\[pathway title\]](#).

To find out what NICE has said on topics related to this guideline, see our web
page on [developer to add and link topic page title or titles; editors can advise
if needed].

[The following sentence is for post-consultation versions only – editor to
update hyperlink with guideline number] See also the guideline committee's
discussion and the evidence reviews (in the [full guideline](#)), and information
about [how the guideline was developed](#), including details of the committee.

13

14 **Recommendations for research**

15 The guideline committee has made the following recommendations for research. The
16 committee's full set of research recommendations is detailed in the [full guideline](#).

1 **1 High energy liquid feed supplements**

2 Do high energy liquid feed supplements improve growth in children with faltering
3 growth?

4 **Why this is important**

5 It seems logical to attempt to treat inadequate dietary intake with food of some kind,
6 and high energy liquid dietary supplements appear to be effective when used in older
7 adults. Although they are also widely promoted for use in children, little research on
8 their efficacy has been done. Experimental research suggests that high energy liquid
9 feed supplements may suppress appetite and displace normal diet, and one case
10 series found that when high energy liquid feed supplements were withdrawn appetite
11 improved with no impact on weight. Further research is important to establish
12 whether their effectiveness justifies their cost and the suppressant effect on appetite.

13 **2 Feeding interventions for the management of neonatal weight**
14 **loss**

15 What is the effectiveness of feeding interventions compared to usual care/ advice for
16 breastfed neonates (up to 28 days old) with weight loss of greater than 10%?

17 **Why this is important**

18 Weight loss in breastfeeding infants in the first month of life can cause anxiety for
19 parents and healthcare professionals. It can also incur costs to the NHS from
20 admissions of the infant to hospital, with the potential for cessation of exclusive
21 breastfeeding with its associated long-term health benefits.

22 Practice varies across the UK. Robust evidence about which feeding interventions
23 improve outcomes could inform practice, potentially reducing unnecessary and costly
24 interventions and supporting parent-infant relationships and physical and emotional
25 health.

26 **3 Behavioural interventions**

27 What is the effectiveness of behavioural interventions compared to usual care/
28 advice for children with faltering growth?

1 **Why this is important**

2 Health visitors provide behavioural interventions for faltering growth in community
3 settings. This is carried out with the aim to optimise the Healthy Child Programme
4 and provide support and build relationships with parents and children. Behavioural
5 interventions are time consuming and therefore incur costs. Evidence for the specific
6 components of behavioural interventions are scarce and if found to be effective they
7 could have short-term and longer-term preventative results. A standardised
8 approach to behavioural interventions could both improve clinical practice and save
9 costs.

10 ***4 Frequency of monitoring***

11 How frequently should children be measured to identify faltering growth?

12 **Why this is important**

13 It is important to know whether a particular frequency or schedule of measurement of
14 infants and children would identify faltering growth at an earlier age and contribute to
15 an earlier catch-up in weight. Present practice suggests routine measurements be
16 taken at time of routine childhood immunisation. Is this schedule of measurement the
17 most likely to confirm whether an infant or child has faltering growth as early as
18 possible? It is unclear whether the present pattern of measurement is most effective
19 for children for whom there are concerns about their growth. If an altered schedule of
20 routine measurement was found to be identifying faltering growth at an earlier age
21 and contribute to an early catch-up in weight, it would be necessary to consider how
22 best to deliver such a schedule to the entire population of infants and children.

23 ***5 Support needs of parents***

24 What are the experiences and concerns of parents of children with faltering growth?

25 **Why this is important**

26 Having a child with faltering growth can be distressing experience. Parents can feel
27 blamed or unheard. Faltering growth happens when children are young so can have
28 a long-term impact on the child-parent relationship. There are no studies that
29 describe parental experiences or concerns and therefore there is a gap in the
30 evidence. Research on this topic would help to improve the understanding of the

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1 needs and concerns of parents who have children with faltering growth which will
2 then enable healthcare professionals to start to address them. Understanding the
3 experiences, expectations and needs of parents should help design effective
4 intervention strategies that are tailored to the family. Importance of child-parent dyad
5 in addressing faltering growth.

6 The concerns of parents are not consistently addressed or recognised, so further
7 research may provide evidence for a framework for support and information.

8 **ISBN:**