

Evidence review questions and search strategies

Evidence reviews to support the guideline on: Flu Vaccination: increasing uptake

Scope available at	https://www.nice.org.uk/guidance/indevelopment/gid-phg96/documents
Committee	PHAC B

Introduction

This guideline focusses on identifying effective and cost effective interventions to increase uptake of seasonal flu vaccination in children 2-17 years, people age from 6 months to 64 years in a clinical risk group, carers and health and social care workers

Review questions

Topic 1: Information about, and acceptability of, flu vaccination (carers, children and clinical risk groups)

Review question 1a (RQ 1a): What interventions to promote information about, and acceptability of, flu vaccination are the most effective for increasing acceptability and uptake of seasonal flu vaccination among carers, children and clinical risk groups?

Review question 1b (RQ 1b) : What interventions to promote information about, and acceptability of, flu vaccination are cost effective for increasing acceptability and uptake of seasonal flu vaccination among carers, children and clinical risk groups?

Topic 2: Access to flu vaccination (carers, children and clinical risk groups)

Review question 2a (RQ 2a): What interventions to increase access to seasonal flu vaccine are the most effective in increasing uptake of seasonal flu vaccine among carers, children and clinical risk groups?

Review question 2b (RQ 2b): What interventions to increase access to seasonal flu vaccine are cost effective in increasing uptake of seasonal flu vaccine among carers, children and clinical risk groups?

Topic 3: Provider-based systems and processes (carers, children and clinical risk groups)

Review question 3a (RQ 3a): Which provider-based systems and processes for identifying, contacting and inviting carers, children and clinical risk groups for seasonal flu vaccination are most effective in increasing uptake of among these population group?

Review question 3b (RQ 3b): Which provider-based systems and processes for identifying, contacting and inviting carers, children and clinical risk groups for seasonal flu vaccination are cost-effective in increasing uptake among these groups?

Topic 4: Education and programme leadership (health and social care workers)

Review question 4a (RQ 4a): Do education and programme leadership activities increase acceptability and uptake of seasonal flu vaccination among health and social care workers?

Review question 4b (RQ 4b): Are education and programme leadership activities cost-effective in increasing acceptability and uptake of seasonal flu vaccination among health and social care workers?

Topic: 5 Access (health and social care workers)

Review question 5a (RQ 5a): Do opportunities to increase access to seasonal flu vaccination increase uptake among health and social care workers?

Review question 5b (RQ 5b): Are opportunities to increase access to seasonal flu vaccination cost-effective in increasing uptake among health and social care workers?

Search Strategies

See [appendix 1](#) for sources to be searched

See [appendix 2a](#) for 'carers, children and clinical risk groups' search strategy

See [appendix 2b](#) for 'health and social care workers' search strategy

Appendix 1 - Sources to be searched

A systematic search of relevant databases and websites (listed below) will be carried out to identify relevant studies.

<p>Databases</p> <p>Core databases</p> <ul style="list-style-type: none">• CENTRAL (Wiley))• Cochrane Database of Systematic Reviews (Wiley)• DARE (records up to March 2014 only) (Wiley)• Econlit (Ovid)• Embase (Ovid)• MEDLINE and MEDLINE in Process (Ovid)• PsycINFO (Ovid) <p>Other databases</p> <ul style="list-style-type: none">• NHS EED (Ovid)• British Nursing Index (Proquest)• Social Policy & Practice* (Ovid)• HMIC* (Ovid) <p>*sources of grey literature</p>	<p>Websites</p> <p>Core websites</p> <ul style="list-style-type: none">• NHS Evidence• OpenGrey• Public Health England• Department of Health• Health Evidence (Canada)• NHS Scotland• Welsh Government <p>Additional websites</p> <ul style="list-style-type: none">• World Health Organisation• Kings Fund• NHS Employers• Centres for Disease Control and Prevention• British Muslims Association• Diabetes UK• British Heart Foundation
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Appendix 2a – search strategy (Carers, children and clinical risk groups)

Database: Ovid MEDLINE(R) <1996 to April Week 2 2016>

Search Strategy:

Strategy – Clinical risk groups, children, carers		
#	Searches	Results
1	exp Influenza, Human/	40799
2	Influenza A virus/	17642
3	Influenza B virus/	3359
4	Influenzavirus C/	309
5	(influenza* or flu or grippe).tw.	93602
6	or/1-5	99916
7	exp Vaccination/	70018
8	Vaccines/	18041
9	Immunization/	46296
10	(vaccin* or immuni*).tw.	387373
11	or/7-10	416475
12	6 and 11	30641
13	exp Influenza Vaccines/	18322
14	12 or 13	33248
15	Disabled Persons/	35102
16	clinical risk group*.tw.	97
17	((underlying or exist* or chronic or long term) adj3 (condition* or illness* or disease*)).tw.	242566
18	co-morbid*.tw.	15582
19	Lung Diseases/	63247

20	chronic respiratory disease*.tw.	2113
21	Asthma/	109906
22	asthma*.tw.	120671
23	Pulmonary Disease, Chronic Obstructive/	26787
24	chronic obstructive pulmonary disease*.tw.	29526
25	copd.tw.	27023
26	Bronchitis/ or Bronchitis, Chronic/	20924
27	bronchitis.tw.	18234
28	Emphysema/	6551
29	emphysema.tw.	18387
30	Bronchiectasis/	7053
31	bronchiectasis.tw.	6474
32	Cystic Fibrosis/	30266
33	cystic fibrosis.tw.	33453
34	Lung Diseases, Interstitial/	6875
35	Idiopathic Pulmonary Fibrosis/	1703
36	((interstitial lung or idiopathic pulmonary) adj2 (fibrosis* or disease*)).tw.	9318
37	Pneumoconiosis/	6426
38	pneumoconiosis.tw.	3617
39	Bronchopulmonary Dysplasia/	3494
40	((bronchopulmonary or lung) adj2 dysplasia).tw.	4486
41	Respiratory Tract Diseases/	20044
42	respiratory tract disease*.tw.	2303
43	Heart diseases/	62496
44	Coronary Artery Disease/	45659

45	coronary artery disease*.tw.	61377
46	Heart Defects, Congenital/	45915
47	Myocardial Ischemia/	34302
48	((congenital or isch?emic or chronic) adj3 (heart disease* or heart defect* or myocardial or malform*)).tw.	76447
49	Hypertension/	207757
50	Heart Failure/	93857
51	(hypertension or hypertensive or heart failure).tw.	418293
52	Renal Insufficiency, Chronic/	10210
53	Kidney Failure, Chronic/	82195
54	((kidney or renal) adj3 (disease* or failure*)).tw.	157262
55	renal insufficienc*.tw.	18844
56	Nephrotic Syndrome/	14539
57	Kidney Transplantation/	83636
58	(nephrotic syndrome or kidney transplant*).tw.	42243
59	(transplant* adj2 recipient*).tw.	41251
60	Liver Diseases/ or Liver Cirrhosis/	119266
61	Biliary Atresia/	2502
62	Hepatitis, Chronic/	5491
63	(chronic adj3 (liver disease* or hepatitis)).tw.	52503
64	((biliary or bile duct) adj2 atresia) or cirrhosis).tw.	69797
65	Multiple Sclerosis/ or Nervous System Diseases/	80798
66	((nervous system or neurological or motor neurone or parkinson*) adj3 disease*).tw.	81953
67	(multiple sclerosis or ms).tw.	236121
68	Cardiovascular Diseases/	115708

69	cardiovascular disease*.tw.	103272
70	Stroke/ or Ischemic Attack, Transient/	85925
71	(stroke* or transient isch?emic attack* or TIA or cerebrovascular accident*).tw.	163996
72	Postpoliomyelitis Syndrome/	739
73	(postpolio* or polio*).tw.	25647
74	Cerebral Palsy/	17020
75	cerebral palsy.tw.	15143
76	Learning Disorders/	13091
77	(learning adj3 (disabilit* or disorder*)).tw.	7401
78	Diabetes Mellitus, Type 1/ or Diabetes Mellitus, Type 2/ or Diabetes Mellitus/	243804
79	diabet*.tw.	423612
80	Immunosuppression/ or Immune System Diseases/	40379
81	(immun* adj3 (disease* or disorder)).tw.	36680
82	immunosuppress*.tw.	107268
83	Bone Marrow Transplantation/	43235
84	bone marrow transplant*.tw.	29053
85	exp HIV Infections/	243267
86	(AIDS or HIV*).tw.	298104
87	Multiple Myeloma/	33980
88	myeloma.tw.	38052
89	Interleukin-1 Receptor-Associated Kinases/	998
90	Immunologic Deficiency Syndromes/	13400
91	Complement System Proteins/	25518

92	(interleukin-1 receptor-associated kinase* or interleukin 1 receptor associated kinase* or IRAK or NEMO or Nuclear factor-kappa B essential modulator* or Nuclear factor kappa B essential modulator*).tw.	1836
93	(complement* adj3 (deficienc* or disorder* or system*)).tw.	10292
94	aspleni*.tw.	1388
95	((splenic or spleen) adj3 dysfunction*).tw.	123
96	Anemia, Sickle Cell/	17969
97	sickle cell.tw.	17893
98	Celiac Disease/	17410
99	c?eliac.tw.	20524
100	Pregnant Women/	5605
101	Pregnancy Trimester, Third/ or Pregnancy/ or Pregnancy Trimester, First/ or Pregnancy Trimester, Second/	769116
102	Pregnancy Trimesters/	1477
103	(pregnant or pregnancy or gestation*).tw.	430574
104	Obesity, Morbid/	13223
105	(obes* adj2 morbid*).tw.	10134
106	or/15-105	3930956
107	Child/ or Parents/ or Adolescent/ or Child, Preschool/	2588133
108	(child* or boy* or girl* or toddler* or kid or kids or adolescent* or youngster* or young person* or young people or schoolchild* or minor or minors or teen* or juvenile* or student* or pupil or pupils or pre-school* or preschool* or under 18* or under eighteen* or underage* or over 1* or over one* or parent*).tw.	1802780
109	107 or 108	3342672
110	Caregivers/	24586
111	(carer* or careworker* or care worker* or care giver* or caregiver*).tw.	52544

112	110 or 111	60206
113	Health Promotion/	58861
114	((increas* or improv* or rais* or higher) adj4 (uptake or rate* or immuni* or vaccin* or complian*)).tw.	395235
115	((information or advice or advised or recommend*) adj3 (campaign* or consult* or doctor* or GP or physician* or clinician* or nurse* or support group* or patient* or peer* or forum* or social media or online or apps or social care or socialcare or health care or healthcare or carer or volunteer* or famil* or parent* or son* or daughter* or child* or brother* or sister* or sibling*)).tw.	92543
116	Health Education/ or Patient Education as Topic/ or Leadership/	160477
117	((education* or learn*) adj3 (tool* or resource* or peer* or lay)).tw.	9381
118	((flu or influenza) adj3 (lead* or champion*)).tw.	213
119	or/113-118	688201
120	Health Services Accessibility/ or House Calls/ or Mass Vaccination/	61774
121	((vaccin* or immuni*) adj3 (access or communit* or pharmac* or clinic* or mass or service or GP or doctor* or physician* or clinician* or nurse practitioner* or midwife or midwives or walk-in or walk in or outreach or mobile or residential home* or care home* or residential care or nursing home* or home visit* or house call* or support group* or on-site or on site or weekend* or evening* or 24-hour* or 24 hour* or extended-hour* or extended hour* or opportunistic or opportunit* or open access or parallel* or voucher*)).tw.	11917
122	or/120-121	72786
123	Health Policy/ or Reminder Systems/ or Motivation/ or Physician Incentive Plans/ or Reimbursement, Incentive/ or Medical Audit/ or Clinical Audit/ or Feedback/ or Registries/ or Immunization Programs/ or Information Systems/ or Medical Records Systems, Computerized/ or Electronic Health Records/	268368
124	((local or vaccin* or immuni*) adj3 (policy or policies or program* or provider* or approach* or computer* or information system*)).tw.	23009
125	((system* or process* or search* or program*) adj3 (identif* or contact* or invit* or find* or locat*)).tw.	76839

126	(remind* or track* or alert* or postcard* or mail* or email* or text* or sms or recall* or telephon* or registry or registries or letter* or appointment* or schedul* or invite* or invitation* or prompt* or poster*).tw.	856532
127	"Appointments and Schedules"/	7615
128	((book* or on-line or online or data or record*) adj3 system*).tw.	37248
129	((system* or process*) adj3 (re-book or re book or follow-up or follow up)).tw.	2517
130	((system* or process*) adj3 (audit* or feedback or statistic* or response*)).tw.	55445
131	((vaccin* or immuni*) adj3 (pay* or financ* or fiscal)).tw.	185
132	((incentive* or reward*) adj3 (scheme* or program* or target* or voucher*)).tw.	1701
133	"quality and outcomes framework".tw.	282
134	((share* or personal or integrat* or centrali*) adj3 (health record* or healthcare record* or health care record* or social care record* or data interchange or data record*)).tw.	875
135	or/123-134	1240108
136	or/119,122,135	1886974
137	or/106,109,112	6567492
138	and/14,136-137	6166
139	Randomized Controlled Trial.pt.	410079
140	Controlled Clinical Trial.pt.	90300
141	Clinical Trial.pt.	497803
142	exp Clinical Trials as Topic/	289214
143	Placebos/	33136
144	Random Allocation/	85966
145	Double-Blind Method/	133970
146	Single-Blind Method/	21522
147	Cross-Over Studies/	37571

148	((random\$ or control\$ or clinical\$) adj3 (trial\$ or stud\$)).tw.	806804
149	(random\$ adj3 allocat\$).tw.	22641
150	placebo\$.tw.	161447
151	((singl\$ or doubl\$ or trebl\$ or tripl\$) adj (blind\$ or mask\$)).tw.	131082
152	(crossover\$ or (cross adj over\$)).tw.	60235
153	or/139-152	1479689
154	Observational Studies as Topic/	1266
155	Observational Study/	19166
156	Epidemiologic Studies/	7023
157	exp Case-Control Studies/	764103
158	exp Cohort Studies/	1509575
159	Cross-Sectional Studies/	209746
160	Controlled Before-After Studies/	111
161	Historically Controlled Study/	45
162	Interrupted Time Series Analysis/	124
163	Comparative Study.pt.	1729351
164	case control\$.tw.	83680
165	case series.tw.	38633
166	(cohort adj (study or studies)).tw.	97500
167	cohort analy\$.tw.	4089
168	(follow up adj (study or studies)).tw.	38237
169	(observational adj (study or studies)).tw.	49507
170	longitudinal.tw.	145584
171	prospective.tw.	369555
172	retrospective.tw.	295058

173	cross sectional.tw.	180405
174	or/154-173	3535459
175	Meta-Analysis.pt.	62777
176	Meta-Analysis as Topic/	14637
177	Review.pt.	2023681
178	exp Review Literature as Topic/	8461
179	(metaanaly\$ or metanaly\$ or (meta adj3 analy\$)).tw.	74269
180	(review\$ or overview\$).ti.	298311
181	(systematic\$ adj5 (review\$ or overview\$)).tw.	69561
182	((quantitative\$ or qualitative\$) adj5 (review\$ or overview\$)).tw.	5049
183	((studies or trial\$) adj2 (review\$ or overview\$)).tw.	27640
184	(integrat\$ adj3 (research or review\$ or literature)).tw.	6241
185	(pool\$ adj2 (analy\$ or data)).tw.	16315
186	(handsearch\$ or (hand adj3 search\$)).tw.	5896
187	(manual\$ adj3 search\$).tw.	3527
188	or/175-187	2198774
189	Qualitative Research/	26004
190	Nursing Methodology Research/	15827
191	Interview.pt.	25945
192	exp Interviews as Topic/	46155
193	Questionnaires/	337357
194	Narration/	5872
195	Health Care Surveys/	26736
196	(qualitative\$ or interview\$ or focus group\$ or questionnaire\$ or narrative\$ or narration\$ or survey\$).tw.	941983

197	(ethno\$ or emic or etic or phenomenolog\$ or grounded theory or constant compar\$ or (thematic\$ adj4 analys\$) or theoretical sampl\$ or purposive sampl\$).tw.	45654
198	(hermeneutic\$ or heidegger\$ or husser\$ or colaizzi\$ or van kaam\$ or van manen\$ or giorgi\$ or glaser\$ or strauss\$ or ricoeur\$ or spiegelberg\$ or merleau\$).tw.	7533
199	(metasynthes\$ or meta-synthes\$ or metasummar\$ or meta-summar\$ or metastud\$ or meta-stud\$ or metathem\$ or meta-them\$).tw.	517
200	or/189-199	1098914
201	or/139-200	6824454
202	and/14,106,136	2929
203	and/14,106,136,201	2116
204	and/14,109,136	4474
205	and/14,109,136,201	3016
206	and/14,112,136	419
207	and/14,112,136,201	294
208	animals/ not humans/	4175932
209	News/	165247
210	Editorial/	373604
211	or/208-210	4693453
212	202 not 211	2819
213	limit 212 to (english language and yr="1996 - 2016")	2316
214	203 not 211	2091
215	limit 214 to (english language and yr="1996 - 2016")	1762
216	204 not 211	4346
217	limit 216 to (english language and yr="1996 - 2016")	3477
218	205 not 211	2995

219	limit 218 to (english language and yr="1996 - 2016")	2481
220	206 not 211	412
221	limit 220 to (english language and yr="1996 - 2016")	369
222	207 not 211	294
223	limit 222 to (english language and yr="1996 - 2016")	260

Appendix 2b – search strategy (Healthcare workers)

Healthcare Workers			
#	Searches	Results	Annotations
1	exp Influenza, Human/	40962	
2	Influenza A virus/	17680	
3	Influenza B virus/	3371	
4	Influenzavirus C/	311	
5	(influenza* or flu or grippe).tw.	93972	
6	or/1-5	100301	
7	exp Vaccination/	70311	
8	Vaccines/	18090	
9	Immunization/	46579	
10	(vaccin* or immuni*).tw.	389959	
11	or/7-10	419164	
12	6 and 11	30787	
13	exp Influenza Vaccines/	18389	
14	12 or 13	33402	
15	exp health personnel/ or allied health personnel/ or dental assistants/ or dental hygienists/ or dental technicians/ or physical therapists/ or dentists/ or medical staff, hospital/ or nurses/ or physicians/ or Midwifery/ or Students, Medical/ or Students, Nursing/ or Hospitals/ or Pharmacists/	523987	

16	(doctor* or GP or physician* or clinician* or nurs* or dentist* or dental hygienist* or dental technician* or dental staff or midwife* or midwives or paramedic* or occupational therapist* or physiotherapist* or physical therapist* or ambulance driver* or radiographer* or pharmacist* or health visitor* or dietician* or chiroprapist* or podiatrist* or orthopedist*).tw.	898240
17	((health or health care or healthcare or social care or social) adj2 (personnel or worker* or provider* or employee* or staff or professional* or practitioner* or assistant* or scientist*)).tw.	140328
18	((medical or hospital or care home) adj2 (staff or employee* or personnel or worker* or practitioner* or student* or setting* or receptionist* or secretar* or manager* or porter* or volunteer*)).tw.	80007
19	((art or music or drama or speech or language) adj3 therapist*).tw.	1573
20	or/15-19	1317621
21	Health Promotion/	59462
22	((increas* or improv* or rais* or higher) adj4 (uptake or rate* or immuni* or vaccin* or complian*)).tw.	397309
23	Health Education/ or Education, Medical, Continuing/ or Leadership/ or Mandatory Programs/ or Immunization Programs/ or Physician Incentive Plans/	122586
24	((flu or influenza) adj3 (lead* or champion*)).tw.	217

25	((educat* or learn*) adj3 (outreach or tool* or resource* or multidisciplinary or peer* or dvd*)).tw.	11700
26	(e-learn* or elearn*).tw.	1270
27	((information or advice or advised or recommend*) adj3 (campaign* or doctor* or GP* or physician* or clinician* or nurse* or peer* or forum* or social media)).tw.	19178
28	(remind* or track* or alert* or postcard* or mail* or email* or text* or sms or recall* or telephon* or registry or registries or letter* or appointment* or schedul* or invite* or invitation* or prompt* or poster* or myth* or follow-up or follow up).tw.	1438756
29	((system* or process*) adj3 (audit* or feedback or statistic* or response*)).tw.	55787
30	Health Policy/ or Reminder Systems/ or Motivation/ or Physician Incentive Plans/ or Reimbursement, Incentive/ or Medical Audit/ or Clinical Audit/ or Feedback/ or Registries/ or Immunization Programs/ or Medical Records Systems, Computerized/ or Electronic Health Records/ or "Appointments and Schedules"/	260268
31	((incentive* or reward*) adj3 (scheme* or program* or target*)).tw.	1642
32	((policy or policies or condition* or term*) adj3 (work* or employ*)).tw.	25292
33	((policy or policies or requirement*) adj3 (surgical mask* or mandatory or standard* or practice* or appraisal* or induct* or CPD or	11437

	professional development or sick* absence* or sick* leave)).tw.	
34	((declin* or sign*) adj3 (form* or statement*)).tw.	27389
35	(opt out* or opt-out*).tw.	838
36	((vaccin* or immuni*) adj3 (pay* or financ* or fiscal)).tw.	385
37	((share* or centrali* or integrat*) adj3 (health record* or healthcare record* or health care record* or social care record* or data interchange or data record*)).tw.	252
38	((vaccin* or immuni*) adj3 (access or peer* or on-site or on site or mobile or extended hour* or extended-hour* or 24-hour* or 24 hour* or drop-in or drop in)).tw.	823
39	or/21-38	2233715
40	Randomized Controlled Trial.pt.	411978
41	Controlled Clinical Trial.pt.	90457
42	Clinical Trial.pt.	498624
43	exp Clinical Trials as Topic/	290438
44	Placebos/	33206
45	Random Allocation/	86260
46	Double-Blind Method/	134422
47	Single-Blind Method/	21619
48	Cross-Over Studies/	37761
49	((random\$ or control\$ or clinical\$) adj3 (trial\$ or stud\$)).tw.	812860
50	(random\$ adj3 allocat\$).tw.	22732

51	placebo\$.tw.	162234
52	((singl\$ or doubl\$ or trebl\$ or tripl\$) adj (blind\$ or mask\$)).tw.	131520
53	(crossover\$ or (cross adj over\$)).tw.	60494
54	or/40-53	1487946
55	Observational Studies as Topic/	1299
56	Observational Study/	19615
57	Epidemiologic Studies/	7079
58	exp Case-Control Studies/	769481
59	exp Cohort Studies/	1517858
60	Cross-Sectional Studies/	211263
61	Controlled Before-After Studies/	113
62	Historically Controlled Study/	45
63	Interrupted Time Series Analysis/	126
64	Comparative Study.pt.	1734410
65	case control\$.tw.	85558
66	case series.tw.	38829
67	(cohort adj (study or studies)).tw.	98944
68	cohort analy\$.tw.	4156
69	(follow up adj (study or studies)).tw.	38409
70	(observational adj (study or studies)).tw.	49968
71	longitudinal.tw.	147040
72	prospective.tw.	371880
73	retrospective.tw.	296548
74	cross sectional.tw.	181737
75	or/55-74	3552642

76	Meta-Analysis.pt.	63705
77	Meta-Analysis as Topic/	14733
78	Review.pt.	2031739
79	exp Review Literature as Topic/	8506
80	(metaanaly\$ or metanaly\$ or (meta adj3 analy\$)).tw.	75306
81	(review\$ or overview\$).ti.	299772
82	(systematic\$ adj5 (review\$ or overview\$)).tw.	70440
83	((quantitative\$ or qualitative\$) adj5 (review\$ or overview\$)).tw.	5094
84	((studies or trial\$) adj2 (review\$ or overview\$)).tw.	27871
85	(integrat\$ adj3 (research or review\$ or literature)).tw.	6280
86	(pool\$ adj2 (analy\$ or data)).tw.	16558
87	(handsearch\$ or (hand adj3 search\$)).tw.	5969
88	(manual\$ adj3 search\$).tw.	3551
89	or/76-88	2207936
90	Qualitative Research/	26259
91	Nursing Methodology Research/	15828
92	Interview.pt.	25975
93	exp Interviews as Topic/	46483
94	Questionnaires/	339340
95	Narration/	5892
96	Health Care Surveys/	26861

97	(qualitative\$ or interview\$ or focus group\$ or questionnaire\$ or narrative\$ or narration\$ or survey\$).tw.	947595
98	(ethno\$ or emic or etic or phenomenolog\$ or grounded theory or constant compar\$ or (thematic\$ adj4 analys\$) or theoretical sampl\$ or purposive sampl\$).tw.	45906
99	(hermeneutic\$ or heidegger\$ or husser\$ or colaizzi\$ or van kaam\$ or van manen\$ or giorgi\$ or glaser\$ or strauss\$ or ricoeur\$ or spiegelberg\$ or merleau\$).tw.	7551
100	(metasynthes\$ or meta-synthes\$ or metasummar\$ or meta-summar\$ or metastud\$ or meta-stud\$ or metathem\$ or meta-them\$).tw.	521
101	or/90-100	1105288
102	or/40-101	6855296
103	and/14,20,39	2424
104	and/14,20,39,102	1743
105	animals/ not humans/	4189112
106	Editorial/	374840
107	News/	165432
108	or/105-107	4707973
109	103 not 108	2367
110	limit 109 to (english language and yr="1996 - 2016")	2025
111	104 not 108	1740
112	limit 111 to (english language and yr="1996 - 2016")	1480

