

Specialist neonatal respiratory care for babies born preterm

Literature search strategies

NICE guideline <TBC at publication>

Literature search strategies

August 2018

Early submission

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

Disclaimer

The recommendations in this guideline represent the view of NICE, arrived at after careful consideration of the evidence available. When exercising their judgement, professionals are expected to take this guideline fully into account, alongside the individual needs, preferences and values of their patients or service users. The recommendations in this guideline are not mandatory and the guideline does not override the responsibility of healthcare professionals to make decisions appropriate to the circumstances of the individual patient, in consultation with the patient and/or their carer or guardian.

Local commissioners and/or providers have a responsibility to enable the guideline to be applied when individual health professionals and their patients or service users wish to use it. They should do so in the context of local and national priorities for funding and developing services, and in light of their duties to have due regard to the need to eliminate unlawful discrimination, to advance equality of opportunity and to reduce health inequalities. Nothing in this guideline should be interpreted in a way that would be inconsistent with compliance with those duties.

NICE guidelines cover health and care in England. Decisions on how they apply in other UK countries are made by ministers in the [Welsh Government](#), [Scottish Government](#), and [Northern Ireland Executive](#). All NICE guidance is subject to regular review and may be updated or withdrawn.

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ISBN:

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1 Literature search strategies

A. Diagnosing respiratory disorders

Literature search strategies for question 2.1 What are the risk factors for 4 bronchopulmonary dysplasia in preterm babies?

5 Date of search: 29/06/2017

6 Database: Embase 1980 to 2017 Week 26, Ovid MEDLINE(R) Epub Ahead of Print, In-

7 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

8 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Intensive Care, Neonatal/ use ppez
10	newborn intensive care/ use emez
11	exp Intensive Care Units, Neonatal/ use ppez
12	neonatal intensive care unit/ use emez
13	(special and care and baby and unit*).tw.
14	((newborn or neonatal) adj ICU*1).tw.
15	(SCBU or NICU).tw.
16	exp Respiratory Distress Syndrome, Newborn/ use ppez
17	neonatal respiratory distress syndrome/ use emez
18	or/1-17
19	exp Respiration, Artificial/ use ppez
20	exp Intubation, Intratracheal/ use ppez
21	exp artificial ventilation/ use emez
22	exp assisted ventilation/ use emez
23	exp Ventilators, Mechanical/ use ppez
24	exp ventilator/ use emez
25	(ventilat* or respirator or respirators or intubat*).tw.
26	((respirat* or breath* or airway* or oxygen*) adj3 (support* or assist* or artificial or control* or oscillat* or pressure)).tw.
27	nasal cannula.tw.
28	or/19-27
29	18 and 28
30	Bronchopulmonary Dysplasia/ use ppez
31	lung dysplasia/ use emez
32	((bronch* or pulmon* or lung*) adj2 dysplasia*).tw.
33	((bronch* or pulmon* or lung*) adj2 hypoplas*).tw.
34	((chronic or long term) adj lung disease).tw.
35	BPD.tw.
36	or/30-35
37	29 and 36
38	Risk Factors/ use ppez
39	risk factor/ use emez
40	exp Risk Assessment/ use ppez
41	risk assessment/ use emez
42	exp Prognosis/ use ppez
43	prognos*.tw.
44	or/38-43
45	risk.tw.

EARLY SUBMISSION

#	Searches
46	exp Steroids/ use ppez
47	exp corticosteroid/ use emez
48	(steroid* or corticosteroid* or glucocortico*).tw.
49	or/46-48
50	Prenatal Exposure Delayed Effects/ use ppez
51	prenatal exposure/ use emez or prenatal drug exposure/ use emez
52	(antenatal or ante-natal or prenatal or pre-natal or f?etus or f?etal).tw.
53	or/50-52
54	49 and 53
55	Chorioamnionitis/ use ppez
56	exp chorioamnionitis/ use emez
57	(chorioamnioniti* or chorio-amnioniti* or amnioniti* or funisiti*).tw.
58	or/55-57
59	Fetal Growth Retardation/ use ppez
60	intrauterine growth retardation/ use emez
61	((f?etus or f?etal or intrauterine or intra-uterine) adj grow* adj (retard* or impair*).tw.
62	or/59-61
63	Gestational Age/ use ppez
64	gestational age/ use emez
65	((f?etus or f?etal or gestation*) adj (age or matur*).tw.
66	or/63-65
67	Birth Weight/ use ppez or exp Infant, Low Birth Weight/ use ppez
68	exp birth weight/ use emez
69	(birthweight or ((birth or newborn or neonat* or baby or babies or infant*) adj weight*).tw.
70	or/67-69
71	Sex Characteristics/ use ppez or Sex Factors/ use ppez
72	sex difference/ use emez
73	(sex or sexes or gender* or male* or female* or boy* or girl*).tw.
74	or/71-73
75	exp Ethnic Groups/ use ppez
76	ethnicity/ use emez or ethnic group/ use emez
77	ethnic.tw.
78	or/75-77
79	exp Resuscitation/ use ppez and exp Parturition/ use ppez
80	resuscitation/ use emez and birth/ use emez
81	(resuscitat* and birth).tw.
82	or/79-81
83	exp Ventilators, Mechanical/ use ppez
84	exp ventilator/ use emez
85	ventilat*.tw.
86	or/83-85
87	exp Steroids/ use ppez and Postnatal Care/ use ppez
88	exp steroid/ use emez and exp postnatal care/ use emez
89	((postnatal or post-natal or postpartum or post-partum or perinatal or peri-natal or after birth) adj2 steroid*).tw.
90	or/87-89
91	Ductus Arteriosus, Patent/ use ppez
92	patent ductus arteriosus/ use emez
93	(paten* ductus arteriosus or PDA).tw.
94	or/91-93
95	exp Oxygen Inhalation Therapy/ use ppez
96	oxygen therapy/ use emez
97	oxygen*.tw.
98	or/95-97
99	exp Vitamin A/ use ppez
100	retinol/ use emez
101	(vitamin a or retinol).tw.
102	or/99-101
103	exp Systemic Inflammatory Response Syndrome/ use ppez
104	exp systemic inflammatory response syndrome/ use emez
105	(sepsis or septic?emia or systemic inflamma* or blood poison* or py?emia).tw.
106	or/103-105
107	exp Body Temperature Regulation/ use ppez
108	thermoregulation/ use emez
109	(thermoregulat* or thermo-regulat* or body temperature regulat* or heat regulat* or heat loss).tw.

EARLY SUBMISSION

#	Searches
110	or/107-109
111	Water-Electrolyte Balance/ use ppez
112	fluid balance/ use emez
113	((fluid* or water or hydrat*) adj2 (overload* or balance)).tw.
114	or/111-113
115	Milk, Human/ use ppez
116	breast milk/ use emez
117	((human or mother* or breast) adj milk).tw.
118	or/115-117
119	45 and (or/54,58,62,66,70,74,78,82,86,90,94,98,102,106,110,114,118)
120	44 or 119
121	37 and 120
122	limit 121 to english language
123	limit 122 to yr="1990 -Current"
124	Letter/ use ppez
125	letter.pt. or letter/ use emez
126	note.pt.
127	editorial.pt.
128	Editorial/ use ppez
129	News/ use ppez
130	exp Historical Article/ use ppez
131	Anecdotes as Topic/ use ppez
132	Comment/ use ppez
133	Case Report/ use ppez
134	case report/ or case study/ use emez
135	(letter or comment*).ti.
136	or/124-135
137	randomized controlled trial/ use ppez
138	randomized controlled trial/ use emez
139	random*.ti,ab.
140	or/137-139
141	136 not 140
142	animals/ not humans/ use ppez
143	animal/ not human/ use emez
144	nonhuman/ use emez
145	exp Animals, Laboratory/ use ppez
146	exp Animal Experimentation/ use ppez
147	exp Animal Experiment/ use emez
148	exp Experimental Animal/ use emez
149	exp Models, Animal/ use ppez
150	animal model/ use emez
151	exp Rodentia/ use ppez
152	exp Rodent/ use emez
153	(rat or rats or mouse or mice).ti.
154	or/141-153
155	123 not 154
156	remove duplicates from 155
149	exp Models, Animal/ use ppez
150	animal model/ use emez
151	exp Rodentia/ use ppez
152	exp Rodent/ use emez
153	(rat or rats or mouse or mice).ti.
154	or/141-153
155	123 not 154

1 Date of search: 29/06/2017

2 Database: The Cochrane Library, issue 6 of 12, June 2017

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or newborn* or new-born* or baby or babies or preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie or premies)
#3	((low adj3 birth near/3 weigh*) or (LBW or VLBW))
#4	MeSH descriptor: [Respiratory Distress Syndrome, Newborn] explode all trees

EARLY SUBMISSION

ID	Search
#5	MeSH descriptor: [Intensive Care, Neonatal] explode all trees
#6	MeSH descriptor: [Intensive Care Units, Neonatal] explode all trees
#7	(special care baby unit* or ((newborn or neonatal) near ICU*1) or (SCBU or NICU))
#8	{or #1-#7}
#9	MeSH descriptor: [Respiration, Artificial] explode all trees
#10	MeSH descriptor: [Intubation, Intratracheal] explode all trees
#11	MeSH descriptor: [Ventilators, Mechanical] explode all trees
#12	(ventilat* or respirator or respirators or intubat*)
#13	((respirat* or breath* or airway* or oxygen*) near/3 (support* or assist* or artificial or control* or oscillat* or pressure))
#14	nasal cannula
#15	{or #9-#14}
#16	#8 and #15
#17	MeSH descriptor: [Bronchopulmonary Dysplasia] explode all trees
#18	((bronch* or pulmon* or lung*) near/2 dysplasia*)
#19	((bronch* or pulmon* or lung*) near/2 hypoplas*)
#20	((chronic or long term) near lung disease)
#21	BPD
#22	{or #17-#21}
#23	#16 and #22
#24	MeSH descriptor: [Risk Factors] explode all trees
#25	MeSH descriptor: [Risk Assessment] explode all trees
#26	risk factor*
#27	{or #24-#26}
#28	#23 and #27

1 Health economics

2 Date of search: 29/06/2017

3 Database: Embase 1980 to 2017 Week 26, Ovid MEDLINE(R) Epub Ahead of Print, In-

4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

5 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan\$ or neonat\$ or newborn\$ or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur\$ or pre-matur\$ or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Intensive Care, Neonatal/ use ppez
10	newborn intensive care/ use emez
11	exp Intensive Care Units, Neonatal/ use ppez
12	neonatal intensive care unit/ use emez
13	(special and care and baby and unit*).tw.
14	((newborn or neonatal) adj ICU*1).tw.
15	(SCBU or NICU).tw.
16	exp Respiratory Distress Syndrome, Newborn/ use ppez
17	neonatal respiratory distress syndrome/ use emez
18	or/1-17
19	exp Respiration, Artificial/ use ppez
20	exp Intubation, Intratracheal/ use ppez
21	exp artificial ventilation/ use emez
22	exp assisted ventilation/ use emez
23	exp Ventilators, Mechanical/ use ppez
24	exp ventilator/ use emez
25	(ventilat* or respirator or respirators or intubat*).tw.
26	((respirat* or breath* or airway* or oxygen*) adj3 (support* or assist* or artificial or control* or oscillat* or pressure)).tw.
27	nasal cannula.tw.
28	or/19-27

EARLY SUBMISSION

#	Searches
29	18 and 28
30	Bronchopulmonary Dysplasia/ use ppez
31	lung dysplasia/ use emez
32	((bronch* or pulmon* or lung*) adj2 dysplasia*).tw.
33	((bronch* or pulmon* or lung*) adj2 hypoplas*).tw.
34	((chronic or long term) adj lung disease).tw.
35	BPD.tw.
36	or/30-35
37	29 and 36
38	Risk Factors/ use ppez
39	risk factor/ use emez
40	exp Risk Assessment/ use ppez
41	risk assessment/ use emez
42	exp Prognosis/ use ppez
43	prognos*.tw.
44	or/38-43
45	risk.tw.
46	exp Steroids/ use ppez
47	exp corticosteroid/ use emez
48	(steroid* or corticosteroid* or glucocortico*).tw.
49	or/46-48
50	Prenatal Exposure Delayed Effects/ use ppez
51	prenatal exposure/ use emez or prenatal drug exposure/ use emez
52	(antenatal or ante-natal or prenatal or pre-natal or f?etus or f?etal).tw.
53	or/50-52
54	49 and 53
55	Chorioamnionitis/ use ppez
56	exp chorioamnionitis/ use emez
57	(chorioamnioniti* or chorio-amnioniti* or amnioniti* or funisiti*).tw.
58	or/55-57
59	Fetal Growth Retardation/ use ppez
60	intrauterine growth retardation/ use emez
61	((f?etus or f?etal or intrauterine or intra-uterine) adj grow* adj (retard* or impair*).tw.
62	or/59-61
63	Gestational Age/ use ppez
64	gestational age/ use emez
65	((f?etus or f?etal or gestation*) adj (age or matur*).tw.
66	or/63-65
67	Birth Weight/ use ppez or exp Infant, Low Birth Weight/ use ppez
68	exp birth weight/ use emez
69	(birthweight or ((birth or newborn or neonat* or baby or babies or infant*) adj weight*).tw.
70	or/67-69
71	Sex Characteristics/ use ppez or Sex Factors/ use ppez
72	sex difference/ use emez
73	(sex or sexes or gender* or male* or female* or boy* or girl*).tw.
74	or/71-73
75	exp Ethnic Groups/ use ppez
76	ethnicity/ use emez or ethnic group/ use emez
77	ethnic.tw.
78	or/75-77
79	exp Resuscitation/ use ppez and exp Parturition/ use ppez
80	resuscitation/ use emez and birth/ use emez
81	(resuscitat* and birth).tw.
82	or/79-81
83	exp Ventilators, Mechanical/ use ppez
84	exp ventilator/ use emez
85	ventilat*.tw.
86	or/83-85
87	exp Steroids/ use ppez and Postnatal Care/ use ppez
88	exp steroid/ use emez and exp postnatal care/ use emez
89	((postnatal or post-natal or postpartum or post-partum or perinatal or peri-natal or after birth) adj2 steroid*).tw.
90	or/87-89
91	Ductus Arteriosus, Patent/ use ppez
92	patent ductus arteriosus/ use emez

EARLY SUBMISSION

#	Searches
93	(paten* ductus arteriosus or PDA).tw.
94	or/91-93
95	exp Oxygen Inhalation Therapy/ use ppez
96	oxygen therapy/ use emez
97	oxygen*.tw.
98	or/95-97
99	exp Vitamin A/ use ppez
100	retinol/ use emez
101	(vitamin a or retinol).tw.
102	or/99-101
103	exp Systemic Inflammatory Response Syndrome/ use ppez
104	exp systemic inflammatory response syndrome/ use emez
105	(sepsis or septic?emia or systemic inflamma* or blood poison* or py?emia).tw.
106	or/103-105
107	exp Body Temperature Regulation/ use ppez
108	thermoregulation/ use emez
109	(thermoregulat* or thermo-regulat* or body temperature regulat* or heat regulat* or heat loss).tw.
110	or/107-109
111	Water-Electrolyte Balance/ use ppez
112	fluid balance/ use emez
113	((fluid* or water or hydrat*) adj2 (overload* or balance)).tw.
114	or/111-113
115	Milk, Human/ use ppez
116	breast milk/ use emez
117	((human or mother* or breast) adj milk).tw.
118	or/115-117
119	45 and (or/54,58,62,66,70,74,78,82,86,90,94,98,102,106,110,114,118)
120	44 or 119
121	37 and 120
122	limit 121 to english language
123	limit 122 to yr="1990 -Current"
124	Economics/
125	Value of life/
126	exp "Costs and Cost Analysis"/
127	exp Economics, Hospital/
128	exp Economics, Medical/
129	Economics, Nursing/
130	Economics, Pharmaceutical/
131	exp "Fees and Charges"/
132	exp Budgets/
133	or/124-132 use ppez
134	health economics/
135	exp economic evaluation/
136	exp health care cost/
137	exp fee/
138	budget/
139	funding/
140	or/134-139 use emez
141	budget*.ti,ab.
142	cost*.ti.
143	(economic* or pharmaco?economic*).ti.
144	(price* or pricing*).ti,ab.
145	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
146	(financ* or fee or fees).ti,ab.
147	(value adj2 (money or monetary)).ti,ab.
148	or/141-146
149	133 or 140 or 148
150	123 and 149

B. Respiratory support

Literature search strategies for question 1.1 What respiratory support (excluding resuscitation) is the most effective for preterm babies before admission to the neonatal unit?

5 Systematic reviews and RCTs

6 Date of initial search: 22/11/2017

7 Database(s): Embase 1980 to 2017 Week 47, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

10 Date of updated search: 03/07/2018

11 Database(s): Embase 1980 to 2018 Week 27, Ovid MEDLINE(R) Epub Ahead of Print, In-
12 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
13 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	(special and care and baby and unit*).tw.
16	((newborn or neonatal or neo-natal) adj ICU*1).tw.
17	((newborn or neonat* or neo-nat* or prematur* or preterm or pre-term or pre?mie* or premie*1) adj2 (unit or care or department* or facilit* or hospital*).tw.
18	(SCBU or NICU).tw.
19	or/1-18
20	Time Factors/
21	Time-to- Treatment/
22	exp Perinatal Care/
23	Infant Mortality/
24	or/20-23 use ppez
25	Premature Birth/
26	Delivery Rooms/
27	25 or 26 use ppez
28	24 and 27
29	time factor/
30	time to treatment/
31	perinatal period/
32	newborn period/
33	newborn morbidity/ or newborn mortality/ or infant mortality/
34	or/29-33 use emez
35	exp "immature and premature labor"/
36	delivery room/ or delivery/
37	35 or 36 use emez
38	34 and 37
39	(birth or born or labo?r or gold* hour or first hour or first day or twenty four hours or (gold* adj2 minute*) or ((delivery or labo?r or obstetric) adj2 (room* or suite*))).ti.

EARLY SUBMISSION

#	Searches
40	((initial or first or early) adj2 (manag* or stabili* or support*)).ti.
41	((before or prior or time) adj2 admission).ti.
42	or/39-41
43	28 or 38 or 42
44	19 and 43
45	exp Respiration, Artificial/
46	exp Ventilators, Mechanical/
47	exp Intubation, Intratracheal/
48	exp Pulmonary Surfactants/
49	Airway Extubation/
50	Oxygen Inhalation Therapy/
51	or/45-50 use ppez
52	exp artificial ventilation/
53	exp assisted ventilation/
54	exp respiratory tract intubation/
55	respiratory care/
56	oxygen therapy/
57	extubation/
58	*surfactant/
59	lung surfactant/
60	or/52-59 use emez
61	((respirat* or breath* or airway* or oxygen*) adj3 (support* or assist* or artificial or control* or oscillat* or pressure)).tw.
62	ventilat*.tw.
63	nasal cannula.tw.
64	(hi flow or HF or HFNC or HHFNC or HHHFNC or CPAP or MIST or LISA or AMV or INSURE or ISX).tw.
65	surfactant*.tw.
66	(intubat* or extubat* or endotracheal).tw.
67	or/61-66
68	51 or 60 or 67
69	44 and 68
70	Letter/ use ppez
71	letter.pt. or letter/ use emez
72	note.pt.
73	editorial.pt.
74	Editorial/ use ppez
75	News/ use ppez
76	exp Historical Article/ use ppez
77	Anecdotes as Topic/ use ppez
78	Comment/ use ppez
79	Case Report/ use ppez
80	case report/ or case study/ use emez
81	(letter or comment*).ti.
82	or/70-81
83	randomized controlled trial/ use ppez
84	randomized controlled trial/ use emez
85	random*.ti,ab.
86	or/83-85
87	82 not 86
88	animals/ not humans/ use ppez
89	animal/ not human/ use emez
90	nonhuman/ use emez
91	exp Animals, Laboratory/ use ppez
92	exp Animal Experimentation/ use ppez
93	exp Animal Experiment/ use emez
94	exp Experimental Animal/ use emez
95	exp Models, Animal/ use ppez
96	animal model/ use emez
97	exp Rodentia/ use ppez
98	exp Rodent/ use emez
99	(rat or rats or mouse or mice).ti.
100	or/87-99
101	69 not 100
102	Meta-Analysis/
103	Meta-Analysis as Topic/

EARLY SUBMISSION

#	Searches
104	systematic review/
105	meta-analysis/
106	(meta analy* or metanaly* or metaanaly*).ti,ab.
107	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
108	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
109	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
110	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
111	(search* adj4 literature).ab.
112	(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.
113	cochrane.jw.
114	((pool* or combined) adj2 (data or trials or studies or results)).ab.
115	or/102-103,106,108-113 use ppez
116	or/104-107,109-114 use emez
117	or/115-116
118	clinical Trials as topic.sh. or (controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or (placebo or randomi#ed or randomly).ab. or trial.ti.
119	118 use ppez
120	(controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or drug therapy.fs. or (groups or placebo or randomi#ed or randomly or trial).ab.
121	120 use ppez
122	crossover procedure/ or double blind procedure/ or randomized controlled trial/ or single blind procedure/ or (assign* or allocat* or crossover* or cross over* or ((doubl* or singl*) adj blind*) or factorial* or placebo* or random* or volunteer*).ti,ab.
123	122 use emez
124	119 or 121
125	123 or 124
126	117 or 125
127	101 and 126
128	limit 127 to english language
129	limit 128 to yr="1990 -Current"
130	remove duplicates from 129

1 Observational studies

2 Date of initial search: 22/11/2017

3 Database(s): Embase 1980 to 2017 Week 47, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 03/07/2018

7 Database(s): Embase 1980 to 2018 Week 27, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	(special and care and baby and unit*).tw.

EARLY SUBMISSION

#	Searches
16	((newborn or neonatal or neo-natal) adj ICU*1).tw.
17	((newborn or neonat* or neo-nat* or prematur* or preterm or pre-term or pre?mie* or premie*1) adj2 (unit or care or department* or facilit* or hospital*)).tw.
18	(SCBU or NICU).tw.
19	or/1-18
20	Time Factors/
21	Time-to- Treatment/
22	exp Perinatal Care/
23	Infant Mortality/
24	or/20-23 use ppez
25	Premature Birth/
26	Delivery Rooms/
27	25 or 26 use ppez
28	24 and 27
29	time factor/
30	time to treatment/
31	perinatal period/
32	newborn period/
33	newborn morbidity/ or newborn mortality/ or infant mortality/
34	or/29-33 use emez
35	exp "immature and premature labor"/
36	delivery room/ or delivery/
37	35 or 36 use emez
38	34 and 37
39	(birth or born or labo?r or gold* hour or first hour or first day or twenty four hours or (gold* adj2 minute*) or ((delivery or labour or labor or obstetric) adj2 (room* or suite*))).ti.
40	((initial or first or early) adj2 (manag* or stabili* or support*)).ti.
41	((before or prior or time) adj2 admission).ti.
42	or/39-41
43	28 or 38 or 42
44	19 and 43
45	exp Respiration, Artificial/
46	exp Ventilators, Mechanical/
47	exp Intubation, Intratracheal/
48	exp Pulmonary Surfactants/
49	Airway Extubation/
50	Oxygen Inhalation Therapy/
51	or/45-50 use ppez
52	exp artificial ventilation/
53	exp assisted ventilation/
54	exp respiratory tract intubation/
55	respiratory care/
56	oxygen therapy/
57	extubation/
58	*surfactant/
59	lung surfactant/
60	or/52-59 use emez
61	((respirat* or breath* or airway* or oxygen*) adj3 (support* or assist* or artificial or control* or oscillat* or pressure)).tw.
62	ventilat*.tw.
63	nasal cannula.tw.
64	(hi flow or HF or HFNC or HHFNC or HHHFNC or CPAP or MIST or LISA or AMV or INSURE or ISX).tw.
65	surfactant*.tw.
66	(intubat* or extubat* or endotracheal).tw.
67	or/61-66
68	51 or 60 or 67
69	44 and 68
70	Letter/ use ppez
71	letter.pt. or letter/ use emez
72	note.pt.
73	editorial.pt.
74	Editorial/ use ppez
75	News/ use ppez
76	exp Historical Article/ use ppez
77	Anecdotes as Topic/ use ppez

EARLY SUBMISSION

#	Searches
78	Comment/ use ppez
79	Case Report/ use ppez
80	case report/ or case study/ use emez
81	(letter or comment*).ti.
82	or/70-81
83	randomized controlled trial/ use ppez
84	randomized controlled trial/ use emez
85	random*.ti,ab.
86	or/83-85
87	82 not 86
88	animals/ not humans/ use ppez
89	animal/ not human/ use emez
90	nonhuman/ use emez
91	exp Animals, Laboratory/ use ppez
92	exp Animal Experimentation/ use ppez
93	exp Animal Experiment/ use emez
94	exp Experimental Animal/ use emez
95	exp Models, Animal/ use ppez
96	animal model/ use emez
97	exp Rodentia/ use ppez
98	exp Rodent/ use emez
99	(rat or rats or mouse or mice).ti.
100	or/87-99
101	69 not 100
102	Epidemiologic Studies/
103	Case Control Studies/
104	Retrospective Studies/
105	Cohort Studies/
106	Longitudinal Studies/
107	Follow-Up Studies/
108	Prospective Studies/
109	Cross-Sectional Studies/
110	or/102-109 use ppez
111	clinical study/
112	case control study/
113	family study/
114	longitudinal study/
115	retrospective study/
116	prospective study/
117	cohort analysis/
118	or/111-117 use emez
119	((retrospective\$ or cohort\$ or longitudinal or follow?up or prospective or cross section\$) adj3 (stud\$ or research or analys\$)).ti.
120	110 or 118 or 119
121	101 and 120
122	limit 121 to english language
123	limit 122 to yr="1990 -Current"
124	remove duplicates from 123

1 Health economics

2 Date of initial search: 22/11/2017

3 Database(s): Embase 1980 to 2017 Week 47, Ovid MEDLINE(R) Epub Ahead of Print, In-
 4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
 5 1946 to Present

6 Date of updated search: 03/07/2018

7 Database(s): Embase 1980 to 2018 Week 27, Ovid MEDLINE(R) Epub Ahead of Print, In-
 8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
 9 1946 to Present

EARLY SUBMISSION

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	(special and care and baby and unit*).tw.
16	((newborn or neonatal or neo-natal) adj ICU*1).tw.
17	((newborn or neonat* or neo-nat* or prematur* or preterm or pre-term or pre?mie* or premie*1) adj2 (unit or care or department* or facilit* or hospital*)).tw.
18	(SCBU or NICU).tw.
19	or/1-18
20	Time Factors/
21	Time-to- Treatment/
22	exp Perinatal Care/
23	Infant Mortality/
24	or/20-23 use ppez
25	Premature Birth/
26	Delivery Rooms/
27	25 or 26 use ppez
28	24 and 27
29	time factor/
30	time to treatment/
31	perinatal period/
32	newborn period/
33	newborn morbidity/ or newborn mortality/ or infant mortality/
34	or/29-33 use emez
35	exp "immature and premature labor"/
36	delivery room/ or delivery/
37	35 or 36 use emez
38	34 and 37
39	(birth or born or labo?r or gold* hour or first hour or first day or twenty four hours or (gold* adj2 minute*) or ((delivery or labour or labor or obstetric) adj2 (room* or suite*))).ti.
40	((initial or first or early) adj2 (manag* or stabili* or support*)).ti.
41	((before or prior or time) adj2 admission).ti.
42	or/39-41
43	28 or 38 or 42
44	19 and 43
45	exp Respiration, Artificial/
46	exp Ventilators, Mechanical/
47	exp Intubation, Intratracheal/
48	exp Pulmonary Surfactants/
49	Airway Extubation/
50	Oxygen Inhalation Therapy/
51	or/45-50 use ppez
52	exp artificial ventilation/
53	exp assisted ventilation/
54	exp respiratory tract intubation/
55	respiratory care/
56	oxygen therapy/
57	extubation/
58	*surfactant/
59	lung surfactant/
60	or/52-59 use emez
61	((respirat* or breath* or airway* or oxygen*) adj3 (support* or assist* or artificial or control* or oscillat* or pressure)).tw.
62	ventilat*.tw.

EARLY SUBMISSION

#	Searches
63	nasal cannula.tw.
64	(hi flow or HF or HFNC or HHFN or HHHFN or CPAP or MIST or LISA or AMV or INSURE or ISX).tw.
65	surfactant*.tw.
66	(intubat* or extubat* or endotracheal).tw.
67	or/61-66
68	51 or 60 or 67
69	44 and 68
70	Letter/ use ppez
71	letter.pt. or letter/ use emez
72	note.pt.
73	editorial.pt.
74	Editorial/ use ppez
75	News/ use ppez
76	exp Historical Article/ use ppez
77	Anecdotes as Topic/ use ppez
78	Comment/ use ppez
79	Case Report/ use ppez
80	case report/ or case study/ use emez
81	(letter or comment*).ti.
82	or/70-81
83	randomized controlled trial/ use ppez
84	randomized controlled trial/ use emez
85	random*.ti,ab.
86	or/83-85
87	82 not 86
88	animals/ not humans/ use ppez
89	animal/ not human/ use emez
90	nonhuman/ use emez
91	exp Animals, Laboratory/ use ppez
92	exp Animal Experimentation/ use ppez
93	exp Animal Experiment/ use emez
94	exp Experimental Animal/ use emez
95	exp Models, Animal/ use ppez
96	animal model/ use emez
97	exp Rodentia/ use ppez
98	exp Rodent/ use emez
99	(rat or rats or mouse or mice).ti.
100	or/87-99
101	69 not 100
102	Economics/
103	Value of life/
104	exp "Costs and Cost Analysis"/
105	exp Economics, Hospital/
106	exp Economics, Medical/
107	Economics, Nursing/
108	Economics, Pharmaceutical/
109	exp "Fees and Charges"/
110	exp Budgets/
111	or/102-110 use ppez
112	health economics/
113	exp economic evaluation/
114	exp health care cost/
115	exp fee/
116	budget/
117	funding/
118	or/112-117 use emez
119	budget*.ti,ab.
120	cost*.ti.
121	(economic* or pharmaco?economic*).ti.
122	(price* or pricing*).ti,ab.
123	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
124	(financ* or fee or fees).ti,ab.
125	(value adj2 (money or monetary)).ti,ab.
126	or/119-124

EARLY SUBMISSION

#	Searches
127	111 or 118 or 126
128	101 and 127
129	limit 128 to english language
130	limit 129 to yr="1990 -Current"
131	remove duplicates from 130

1 Systematic reviews, RCTs and Health economics

2 Date of initial search: 23/11/2017

3 Database(s): The Cochrane Library, issue 11 of 12, November 2017

4 Date of updated search: 02/07/2018

5 Database(s): The Cochrane Library, issue 7 of 12, July 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies)
#3	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1)
#4	(low near birth near weigh*)
#5	MeSH descriptor: [Intensive Care, Neonatal] this term only
#6	MeSH descriptor: [Intensive Care Units, Neonatal] this term only
#7	(special and care and baby and unit*)
#8	((newborn or neonatal or neo-natal) near (ICU*1 or unit*))
#9	(SCBU or NICU)
#10	{or #1-#9}
#11	MeSH descriptor: [Time Factors] this term only
#12	MeSH descriptor: [Time-to-Treatment] this term only
#13	MeSH descriptor: [Perinatal Care] this term only
#14	MeSH descriptor: [Infant Mortality] explode all trees
#15	{or #11-#14}
#16	MeSH descriptor: [Obstetric Labor, Premature] explode all trees
#17	MeSH descriptor: [Delivery Rooms] this term only
#18	#16 or #17
#19	#15 and #18
#20	(birth or born or labo?r or gold* hour or first hour or first day or twenty four hours or (gold* near/2 minute*) or ((delivery or labour or labor or obstetric) near/2 (room* or suite*))) :ti
#21	((initial or first or early) near/2 (manag* or stabili* or support*)) :ti
#22	((before or prior or time) near/2 admission) :ti
#23	{or #20-#22}
#24	#19 or #23
#25	#10 and #24
#26	MeSH descriptor: [Respiration, Artificial] explode all trees
#27	MeSH descriptor: [Ventilators, Mechanical] explode all trees
#28	MeSH descriptor: [Intubation, Intratracheal] explode all trees
#29	MeSH descriptor: [Pulmonary Surfactants] explode all trees
#30	MeSH descriptor: [Airway Extubation] explode all trees
#31	MeSH descriptor: [Oxygen Inhalation Therapy] this term only
#32	((respirat* or breath* or airway* or oxygen*) near/3 (support* or assist* or artificial or control* or oscillat* or pressure))
#33	ventilat*
#34	nasal cannula
#35	(hi flow or HF or HFNC or HHFNC or HHHFNC or CPAP or MIST or LISA or AMV or INSURE or ISX)
#36	surfactant*
#37	(intubat* or extubat* or endotracheal)
#38	{or #26-#37}
#39	#25 and #38 Publication Year from 1990 to 2017

Literature search strategies for question 3.3 What is the most effective way of using surfactant in managing respiratory distress syndrome?

8 Systematic reviews and RCTs

EARLY SUBMISSION

- 1 Date of initial search: 01/11/2017
- 2 Database(s): Embase 1980 to 2017 Week 41, Ovid MEDLINE(R) Epub Ahead of Print, In-
- 3 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
- 4 1946 to Present
- 5 Date of updated search: 03/07/2018
- 6 Database(s): Embase 1980 to 2018 Week 27, Ovid MEDLINE(R) Epub Ahead of Print, In-
- 7 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
- 8 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti.ab.jw.nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW or ELBW).tw.
9	exp Intensive Care, Neonatal/ use ppez
10	newborn intensive care/ use emez
11	exp Intensive Care Units, Neonatal/ use ppez
12	neonatal intensive care unit/ use emez
13	newborn care/ use emez
14	(special and care and baby and unit*).tw.
15	((newborn or neonatal or neo-natal) adj3 (ICU*1 or unit*)).tw.
16	(SCBU or NICU).tw.
17	or/1-16
18	exp Pulmonary Surfactants/ use ppez
19	surfactant/ use emez
20	lung surfactant/ use emez
21	poractant/ use emez
22	beractant/ use emez
23	surfactant*.tw.
24	(poractant* or curosurf).tw.
25	(beractant* or survanta or alveofact).tw.
26	or/18-25
27	17 and 26
28	Letter/ use ppez
29	letter.pt. or letter/ use emez
30	note.pt.
31	editorial.pt.
32	Editorial/ use ppez
33	News/ use ppez
34	exp Historical Article/ use ppez
35	Anecdotes as Topic/ use ppez
36	Comment/ use ppez
37	Case Report/ use ppez
38	case report/ or case study/ use emez
39	(letter or comment*).ti.
40	or/28-39
41	randomized controlled trial/ use ppez
42	randomized controlled trial/ use emez
43	random*.ti.ab.
44	or/41-43
45	40 not 44
46	animals/ not humans/ use ppez
47	animal/ not human/ use emez
48	nonhuman/ use emez
49	exp Animals, Laboratory/ use ppez
50	exp Animal Experimentation/ use ppez
51	exp Animal Experiment/ use emez
52	exp Experimental Animal/ use emez

EARLY SUBMISSION

#	Searches
53	exp Models, Animal/ use ppez
54	animal model/ use emez
55	exp Rodentia/ use ppez
56	exp Rodent/ use emez
57	(rat or rats or mouse or mice).ti.
58	or/45-57
59	27 not 58
60	limit 59 to english language
61	limit 60 to yr="1990 -Current"
62	Meta-Analysis/
63	Meta-Analysis as Topic/
64	systematic review/
65	meta-analysis/
66	(meta analy* or metanaly* or metaanaly*).ti,ab.
67	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
68	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
69	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
70	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
71	(search* adj4 literature).ab.
72	(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.
73	cochrane.jw.
74	((pool* or combined) adj2 (data or trials or studies or results)).ab.
75	or/62-63,66,68-73 use ppez
76	or/64-67,69-74 use emez
77	or/75-76
78	clinical Trials as topic.sh. or (controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or (placebo or randomi#ed or randomly).ab. or trial.ti.
79	78 use ppez
80	(controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or drug therapy.fs. or (groups or placebo or randomi#ed or randomly or trial).ab.
81	80 use ppez
82	crossover procedure/ or double blind procedure/ or randomized controlled trial/ or single blind procedure/ or (assign* or allocat* or crossover* or cross over* or ((doubl* or singl*) adj blind*) or factorial* or placebo* or random* or volunteer*).ti,ab.
83	82 use emez
84	79 or 81
85	83 or 84
86	77 or 85
87	61 and 86
88	remove duplicates from 87

1 Observational studies

2 Date of initial search: 01/11/2017

3 Database(s): Embase 1980 to 2017 Week 44, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 03/07/2018

7 Database(s): Embase 1980 to 2018 Week 27, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez

EARLY SUBMISSION

#	Searches
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW or ELBW).tw.
9	exp Intensive Care, Neonatal/ use ppez
10	newborn intensive care/ use emez
11	exp Intensive Care Units, Neonatal/ use ppez
12	neonatal intensive care unit/ use emez
13	newborn care/ use emez
14	(special and care and baby and unit*).tw.
15	((newborn or neonatal or neo-natal) adj3 (ICU*1 or unit*)).tw.
16	(SCBU or NICU).tw.
17	or/1-16
18	exp Pulmonary Surfactants/ use ppez
19	surfactant/ use emez
20	lung surfactant/ use emez
21	poractant/ use emez
22	beractant/ use emez
23	surfactant*.tw.
24	(poractant* or curosurf).tw.
25	(beractant* or survanta or alveofact).tw.
26	or/18-25
27	17 and 26
28	Letter/ use ppez
29	letter.pt. or letter/ use emez
30	note.pt.
31	editorial.pt.
32	Editorial/ use ppez
33	News/ use ppez
34	exp Historical Article/ use ppez
35	Anecdotes as Topic/ use ppez
36	Comment/ use ppez
37	Case Report/ use ppez
38	case report/ or case study/ use emez
39	(letter or comment*).ti.
40	or/28-39
41	randomized controlled trial/ use ppez
42	randomized controlled trial/ use emez
43	random*.ti,ab.
44	or/41-43
45	40 not 44
46	animals/ not humans/ use ppez
47	animal/ not human/ use emez
48	nonhuman/ use emez
49	exp Animals, Laboratory/ use ppez
50	exp Animal Experimentation/ use ppez
51	exp Animal Experiment/ use emez
52	exp Experimental Animal/ use emez
53	exp Models, Animal/ use ppez
54	animal model/ use emez
55	exp Rodentia/ use ppez
56	exp Rodent/ use emez
57	(rat or rats or mouse or mice).ti.
58	or/45-57
59	27 not 58
60	limit 59 to english language
61	limit 60 to yr="1990 -Current"
62	Epidemiologic Studies/
63	Case Control Studies/
64	Retrospective Studies/
65	Cohort Studies/
66	Longitudinal Studies/
67	Follow-Up Studies/
68	Prospective Studies/
69	Cross-Sectional Studies/
70	or/62-69 use ppez

EARLY SUBMISSION

#	Searches
71	clinical study/
72	case control study/
73	family study/
74	longitudinal study/
75	retrospective study/
76	prospective study/
77	cohort analysis/
78	or/71-77 use emez
79	((retrospective\$ or cohort\$ or longitudinal or follow?up or prospective or cross section\$) adj3 (stud\$ or research or analys\$)).ti.
80	70 or 78 or 79
81	61 and 80
82	remove duplicates from 81

1 Health economics

2 Date of initial search: 01/11/2017

3 Database(s): Embase 1980 to 2017 Week 44, Ovid MEDLINE(R) Epub Ahead of Print, In-

4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

5 1946 to Present

6 Date of updated search: 03/07/2018

7 Database(s): Embase 1980 to 2018 Week 27, Ovid MEDLINE(R) Epub Ahead of Print, In-

8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW or ELBW).tw.
9	exp Intensive Care, Neonatal/ use ppez
10	newborn intensive care/ use emez
11	exp Intensive Care Units, Neonatal/ use ppez
12	neonatal intensive care unit/ use emez
13	newborn care/ use emez
14	(special and care and baby and unit*).tw.
15	((newborn or neonatal or neo-natal) adj3 (ICU*1 or unit*)).tw.
16	(SCBU or NICU).tw.
17	or/1-16
18	exp Pulmonary Surfactants/ use ppez
19	surfactant/ use emez
20	lung surfactant/ use emez
21	poractant/ use emez
22	beractant/ use emez
23	surfactant*.tw.
24	(poractant* or curosurf).tw.
25	(beractant* or survanta or alveofact).tw.
26	or/18-25
27	17 and 26
28	Letter/ use ppez
29	letter.pt. or letter/ use emez
30	note.pt.
31	editorial.pt.
33	News/ use ppez
34	exp Historical Article/ use ppez

EARLY SUBMISSION

#	Searches
35	Anecdotes as Topic/ use ppez
36	Comment/ use ppez
37	Case Report/ use ppez
38	case report/ or case study/ use emez
39	(letter or comment*).ti.
40	or/28-39
41	randomized controlled trial/ use ppez
42	randomized controlled trial/ use emez
43	random*.ti,ab.
44	or/41-43
45	40 not 44
46	animals/ not humans/ use ppez
47	animal/ not human/ use emez
48	nonhuman/ use emez
49	exp Animals, Laboratory/ use ppez
50	exp Animal Experimentation/ use ppez
51	exp Animal Experiment/ use emez
52	exp Experimental Animal/ use emez
53	exp Models, Animal/ use ppez
54	animal model/ use emez
55	exp Rodentia/ use ppez
56	exp Rodent/ use emez
57	(rat or rats or mouse or mice).ti.
58	or/45-57
59	27 not 58
60	limit 59 to english language
61	limit 60 to yr="1990 -Current"
62	Economics/
63	Value of life/
64	exp "Costs and Cost Analysis"/
65	exp Economics, Hospital/
66	exp Economics, Medical/
67	Economics, Nursing/
68	Economics, Pharmaceutical/
69	exp "Fees and Charges"/
70	exp Budgets/
71	or/62-70 use ppez
72	health economics/
73	exp economic evaluation/
74	exp health care cost/
75	exp fee/
76	budget/
77	funding/
78	or/72-77 use emez
79	budget*.ti,ab.
80	cost*.ti.
81	(economic* or pharmaco?economic*).ti.
82	(price* or pricing*).ti,ab.
83	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
84	(financ* or fee or fees).ti,ab.
85	(value adj2 (money or monetary)).ti,ab.
86	or/79-84
87	71 or 78 or 86
88	61 and 87
89	remove duplicates from 88

1 The Cochrane Library

2 Date of initial search: 01/11/2017

3 Database(s): The Cochrane Library, issue 10 of 12, October 2017

4 Date of updated search: 02/07/2018

EARLY SUBMISSION

1 Database(s): The Cochrane Library, issue 7 of 12, July 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies)
#3	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1)
#4	(low near birth near weigh*)
#5	MeSH descriptor: [Intensive Care, Neonatal] this term only
#6	MeSH descriptor: [Intensive Care Units, Neonatal] this term only
#7	(special and care and baby and unit*)
#8	((newborn or neonatal or neo-natal) near (ICU*1 or unit*))
#9	(SCBU or NICU)
#10	{or #1-#9}
#11	MeSH descriptor: [Pulmonary Surfactants] explode all trees
#12	surfactant*
#13	(poractant* or curosurf)
#14	(beractant* or survanta or alveofact)
#15	{or #11-#14}
#16	#10 and #15 Publication Year from 1990 to 2017

Literature search strategies for question 3.1 What is the most effective way to administer oxygen during respiratory support?

4 Date of initial search: 27/03/18

5 Database(s): Embase 1980 to 2018 Week 13, Ovid MEDLINE(R) Epub Ahead of Print, In-
6 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
7 1946 to Present

8 Date of updated search: 03/07/2018

9 Database(s): Embase 1980 to 2018 Week 27, Ovid MEDLINE(R) Epub Ahead of Print, In-
10 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
11 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Intensive Care, Neonatal/ use ppez
10	newborn intensive care/ use emez
11	exp Intensive Care Units, Neonatal/ use ppez
12	neonatal intensive care unit/ use emez
13	(special and care and baby and unit*).tw.
14	((newborn or neonatal) adj ICU*1).tw.
15	(SCBU or NICU).tw.
16	exp Respiratory Distress Syndrome, Newborn/ use ppez
17	neonatal respiratory distress syndrome/ use emez
18	or/1-17
19	exp *oxygen therapy/ use emez
20	oxygen/ad, ih, na use emez
21	exp Oxygen/ad, th use ppez
22	exp *Oxygen Inhalation Therapy/ use ppez
23	((oxygen* or o2) adj3 (admin* or automat* or deliver* or humidif* or non humidif* or nonhumidif* or unhumidif* or incubat* or inhal* or low flow* or manual or method* or nasal cannula* or intranasal* or titrat*).tw.
24	or/19-23
25	18 and 24
26	limit 25 to english language
27	limit 26 to yr="1990 -Current"

EARLY SUBMISSION

#	Searches
28	Letter/ use ppez
29	letter.pt. or letter/ use emez
30	note.pt.
31	editorial.pt.
32	Editorial/ use ppez
33	News/ use ppez
34	exp Historical Article/ use ppez
35	Anecdotes as Topic/ use ppez
36	Comment/ use ppez
37	Case Report/ use ppez
38	case report/ or case study/ use emez
39	(letter or comment*).ti.
40	or/28-39
41	randomized controlled trial/ use ppez
42	randomized controlled trial/ use emez
43	random*.ti,ab.
44	or/41-43
45	40 not 44
46	animals/ not humans/ use ppez
47	animal/ not human/ use emez
48	nonhuman/ use emez
49	exp Animals, Laboratory/ use ppez
50	exp Animal Experimentation/ use ppez
51	exp Animal Experiment/ use emez
52	exp Experimental Animal/ use emez
53	exp Models, Animal/ use ppez
54	animal model/ use emez
55	exp Rodentia/ use ppez
56	exp Rodent/ use emez
57	(rat or rats or mouse or mice).ti.
58	or/45-57
59	27 not 58
60	remove duplicates from 59

1 Health economics

2 Date of initial search: 27/03/18

3 Database(s): Embase 1980 to 2018 Week 13, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 03/07/2018

7 Database(s): Embase 1980 to 2018 Week 27, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Intensive Care, Neonatal/ use ppez
10	newborn intensive care/ use emez
11	exp Intensive Care Units, Neonatal/ use ppez
12	neonatal intensive care unit/ use emez
13	(special and care and baby and unit*).tw.
14	((newborn or neonatal) adj ICU*1).tw.

EARLY SUBMISSION

#	Searches
15	(SCBU or NICU).tw.
16	exp Respiratory Distress Syndrome, Newborn/ use ppez
17	neonatal respiratory distress syndrome/ use emez
18	or/1-17
19	exp *oxygen therapy/ use emez
20	oxygen/ad, ih, na use emez
21	oxygen breathing/ use emez
22	oxygen administration kit/ use emez
23	oxygen delivery device/ use emez
24	neonatal incubator/ use emez
25	nasal oxygen catheter/ use emez or exp nasal cannula/ use emez
26	exp respiratory gas humidifier/ use emez
27	exp Oxygen/ad, th use ppez
28	exp *Oxygen Inhalation Therapy/ use ppez
29	Incubators, Infant/ use ppez
30	Cannula/ use ppez
31	Humidifiers/ use ppez
32	((oxygen* or o2) adj3 (admin* or automat* or deliver* or humidif* or non humidif* or nonhumidif* or unhumidif* or incubat* or inhal* or low flow* or manual* or method* or nasal cannula* or intranasal* or titrat*)).tw.
33	or/19-32
34	18 and 33
35	limit 34 to english language
36	limit 35 to yr="1990 -Current"
37	Letter/ use ppez
38	letter.pt. or letter/ use emez
39	note.pt.
40	editorial.pt.
41	Editorial/ use ppez
42	News/ use ppez
43	exp Historical Article/ use ppez
44	Anecdotes as Topic/ use ppez
45	Comment/ use ppez
46	Case Report/ use ppez
47	case report/ or case study/ use emez
48	(letter or comment*).ti.
49	or/37-48
50	randomized controlled trial/ use ppez
51	randomized controlled trial/ use emez
52	random*.ti,ab.
53	or/50-52
54	49 not 53
55	animals/ not humans/ use ppez
56	animal/ not human/ use emez
57	nonhuman/ use emez
58	exp Animals, Laboratory/ use ppez
59	exp Animal Experimentation/ use ppez
60	exp Animal Experiment/ use emez
61	exp Experimental Animal/ use emez
62	exp Models, Animal/ use ppez
63	animal model/ use emez
64	exp Rodentia/ use ppez
65	exp Rodent/ use emez
66	(rat or rats or mouse or mice).ti.
67	or/54-66
68	36 not 67
69	remove duplicates from 68
70	Economics/
71	Value of life/
72	exp "Costs and Cost Analysis"/
73	exp Economics, Hospital/
74	exp Economics, Medical/
75	Economics, Nursing/
76	Economics, Pharmaceutical/
77	exp "Fees and Charges"/
78	exp Budgets/

EARLY SUBMISSION

#	Searches
79	(or/70-78) use ppez
80	health economics/
81	exp economic evaluation/
82	exp health care cost/
83	exp fee/
84	budget/
85	funding/
86	(or/80-85) use emez
87	budget*.ti,ab.
88	cost*.ti.
89	(economic* or pharmaco?economic*).ti.
90	(price* or pricing*).ti,ab.
91	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
92	(financ* or fee or fees).ti,ab.
93	(value adj2 (money or monetary)).ti,ab.
94	or/87-92
95	79 or 86 or 94
96	69 and 95

- 1 Date of initial search: 27/03/2018
- 2 Database: The Cochrane Library, issue 3 of 12, March 2018
- 3 Date of updated search: 02/07/2018
- 4 Database: The Cochrane Library, issue 7 of 12, July 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies)
#3	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1)
#4	(low near birth near weigh*)
#5	MeSH descriptor: [Intensive Care, Neonatal] this term only
#6	MeSH descriptor: [Intensive Care Units, Neonatal] this term only
#7	(special and care and baby and unit*)
#8	((newborn or neonatal or neo-natal) near (ICU*1 or unit*))
#9	(SCBU or NICU)
#10	{or #1-#9}
#11	MeSH descriptor: [Oxygen] explode all trees and with qualifier(s): [Administration & dosage - AD]
#12	MeSH descriptor: [Oxygen Inhalation Therapy] explode all trees
#13	MeSH descriptor: [Incubators, Infant] this term only
#14	MeSH descriptor: [Cannula] this term only
#15	MeSH descriptor: [Humidifiers] this term only
#16	((oxygen* or o2) near/3 (admin* or automat* or deliver* or humidif* or non humidif* or nonhumidif* or unhumidif* or incubat* or inhal* or low flow* or manual* or method* or nasal cannula* or intranasal* or titrat*))
#17	{or #11-#16}
#18	#10 and #17 Publication Year from 1990 to 2018

Literature search strategies for question 3.2 What is the effectiveness and safety of the different assisted ventilation techniques in preterm babies?

- 7 Date of initial search: 09/08/2017
- 8 Database(s): Embase 1980 to 2017 Week 32, Ovid MEDLINE(R) Epub Ahead of Print, In-
- 9 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
- 10 1946 to Present
- 11 Date of updated search: 01/05/2018
- 12 Database(s): Embase 1980 to 2018 Week 18, Ovid MEDLINE(R) Epub Ahead of Print, In-
- 13 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
- 14 1946 to Present

EARLY SUBMISSION

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	exp low birth weight/ use emez
5	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
6	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	special care baby unit*.tw.
16	((newborn or neonatal) adj ICU*1).tw.
17	(SCBU or NICU).tw.
18	or/1-17
19	exp Respiration, Artificial/ use ppez
20	exp artificial ventilation/ use emez
21	exp assisted ventilation/ use emez
22	exp Ventilators, Mechanical/ use ppez
23	exp ventilator/ use emez
24	((artificial* or assist* or bilevel or bi-level or continu* or control* or conventional or high flow or high-flow or high frequency or high-frequency or intermittent or invasive or mandatory or mechanic* or nasal cannula or non-invasive or noninvasive or non-synchroni* or nonsynchroni* or non-trigger* or oscillat* or positive or pressure* or support* or synchroni* or target* or trigger* or volume or unsynchroni*) adj2 ventilat*).tw.
25	(AC or BIPAP or CIMV or CMV or CPAP or HFNC or HHFNC or HHHFNC or HFOV or IMV or NIPPV or PRVC or PRVCV or PSV or PTV or SIMV or SIPPV or TCPL or TTV or VAPS or VGV).tw.
26	or/19-25
27	18 and 26
28	limit 27 to english language
29	limit 28 to yr="1990 -Current"
30	Letter/ use ppez
31	letter.pt. or letter/ use emez
32	note.pt.
33	editorial.pt.
34	Editorial/ use ppez
35	News/ use ppez
36	exp Historical Article/ use ppez
37	Anecdotes as Topic/ use ppez
38	Comment/ use ppez
39	Case Report/ use ppez
40	case report/ or case study/ use emez
41	(letter or comment*).ti.
42	or/30-41
43	randomised controlled trial/ use ppez
44	randomised controlled trial/ use emez
45	random*.ti,ab.
46	or/43-45
47	42 not 46
48	animals/ not humans/ use ppez
49	animal/ not human/ use emez
50	nonhuman/ use emez
51	exp Animals, Laboratory/ use ppez
52	exp Animal Experimentation/ use ppez
53	exp Animal Experiment/ use emez
54	exp Experimental Animal/ use emez
55	exp Models, Animal/ use ppez
56	animal model/ use emez
57	exp Rodentia/ use ppez
58	exp Rodent/ use emez
59	(rat or rats or mouse or mice).ti.
60	or/47-59
61	29 not 60

EARLY SUBMISSION

#	Searches
62	Meta-Analysis/
63	Meta-Analysis as Topic/
64	systematic review/
65	meta-analysis/
66	(meta analy* or metanaly* or metaanaly*).ti,ab.
67	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
68	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
69	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
70	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
71	(search* adj4 literature).ab.
72	(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.
73	cochrane.jw.
74	((pool* or combined) adj2 (data or trials or studies or results)).ab.
75	or/62-63,66,68-73 use ppez
76	or/64-67,69-74 use emez
77	or/75-76
78	clinical Trials as topic.sh. or (controlled clinical trial or pragmatic clinical trial or randomised controlled trial).pt. or (placebo or randomi#ed or randomly).ab. or trial.ti.
79	78 use ppez
80	(controlled clinical trial or pragmatic clinical trial or randomised controlled trial).pt. or drug therapy.fs. or (groups or placebo or randomi#ed or randomly or trial).ab.
81	80 use ppez
82	crossover procedure/ or double blind procedure/ or randomised controlled trial/ or single blind procedure/ or (assign* or allocat* or crossover* or cross over* or ((doubl* or singl*) adj blind*) or factorial* or placebo* or random* or volunteer*).ti,ab.
83	82 use emez
84	79 or 81
85	83 or 84
86	77 or 85
87	61 and 86

1 Date of initial search: 09/08/2017

2 Database: The Cochrane Library, issue 8 of 12, August 2017

3 Date of updated search: 01/05/2018

4 Database: The Cochrane Library, issue 4 of 4, April 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or new-born* or baby or babies or preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie or premies)
#3	((low near/3 birth near/3 weigh*) or (LBW or VLBW))
#4	MeSH descriptor: [Respiratory Distress Syndrome, Newborn] explode all trees
#5	MeSH descriptor: [Intensive Care, Neonatal] explode all trees
#6	MeSH descriptor: [Intensive Care Units, Neonatal] explode all trees
#7	(special care baby unit* or ((newborn or neonatal) near ICU) or (SCBU or NICU))
#8	{or #1-#7}
#9	MeSH descriptor: [Respiration, Artificial] explode all trees
#10	MeSH descriptor: [Ventilators, Mechanical] explode all trees
#11	((artificial* or assist* or bilevel or bi-level or continu* or control* or conventional or high flow or high-flow or high frequency or high-frequency or intermittent or invasive or mandatory or mechanic* or nasal cannula or non-invasive or noninvasive or non-synchroni* or nonsynchroni* or non-trigger* or oscillat* or positive or pressure* or support* or synchroni* or target* or trigger* or volume or unsynchroni*) near/2 ventilat*)
#12	(AC or BIPAP or CIMV or CMV or CPAP or HFNC or HHHFNC or HFOV or IMV or NIPPV or PRVC or PRVCV or PSV or PTV or SIMV or SIPPV or TCPL or TTV or VAPS or VGV)
#13	{or #9-#12}
#14	#8 and #13 Publication Year from 1990 to 2017

5 Health economics

6 Date of initial search: 09/08/2017

EARLY SUBMISSION

- 1 Database(s): Embase 1980 to 2017 Week 32, Ovid MEDLINE(R) Epub Ahead of Print, In-
- 2 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
- 3 1946 to Present
- 4 Date of updated search: 02/05/2018
- 5 Database(s): Embase 1980 to 2018 Week 18, Ovid MEDLINE(R) Epub Ahead of Print, In-
- 6 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
- 7 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	exp low birth weight/ use emez
5	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
6	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	special care baby unit*.tw.
16	((newborn or neonatal) adj ICU*1).tw.
17	(SCBU or NICU).tw.
18	or/1-17
19	exp Respiration, Artificial/ use ppez
20	exp artificial ventilation/ use emez
21	exp assisted ventilation/ use emez
22	exp Ventilators, Mechanical/ use ppez
23	exp ventilator/ use emez
24	((artificial* or assist* or bilevel or bi-level or continu* or control* or conventional or high flow or high-flow or high frequency or high-frequency or intermittent or invasive or mandatory or mechanic* or nasal cannula or non-invasive or noninvasive or non-synchroni* or nonsynchroni* or non-trigger* or oscillat* or positive or pressure* or support* or synchroni* or target* or trigger* or volume or unsynchroni*) adj2 ventilat*).tw.
25	(AC or BIPAP or CIMV or CMV or CPAP or HFNC or HHFNC or HHHFNC or HFOV or IMV or NIPPV or PRVC or PRVCV or PSV or PTV or SIMV or SIPPV or TCPL or TTV or VAPS or VGV).tw.
26	or/19-25
27	18 and 26
28	limit 27 to english language
29	limit 28 to yr="1990 -Current"
30	Letter/ use ppez
31	letter.pt. or letter/ use emez
32	note.pt.
33	editorial.pt.
34	Editorial/ use ppez
35	News/ use ppez
36	exp Historical Article/ use ppez
37	Anecdotes as Topic/ use ppez
38	Comment/ use ppez
39	Case Report/ use ppez
40	case report/ or case study/ use emez
41	(letter or comment*).ti.
42	or/30-41
43	randomised controlled trial/ use ppez
44	randomised controlled trial/ use emez
45	random*.ti,ab.
46	or/43-45
47	42 not 46
48	animals/ not humans/ use ppez
49	animal/ not human/ use emez
50	nonhuman/ use emez

EARLY SUBMISSION

#	Searches
51	exp Animals, Laboratory/ use ppez
52	exp Animal Experimentation/ use ppez
53	exp Animal Experiment/ use emez
54	exp Experimental Animal/ use emez
55	exp Models, Animal/ use ppez
56	animal model/ use emez
57	exp Rodentia/ use ppez
58	exp Rodent/ use emez
59	(rat or rats or mouse or mice).ti.
60	or/47-59
61	29 not 60
62	Economics/
63	Value of life/
64	exp "Costs and Cost Analysis"/
65	exp Economics, Hospital/
66	exp Economics, Medical/
67	Economics, Nursing/
68	Economics, Pharmaceutical/
69	exp "Fees and Charges"/
70	exp Budgets/
71	or/62-70 use ppez
72	health economics/
73	exp economic evaluation/
74	exp health care cost/
75	exp fee/
76	budget/
77	funding/
78	or/72-77 use emez
79	budget*.ti,ab.
80	cost*.ti.
81	(economic* or pharmaco?economic*).ti.
82	(price* or pricing*).ti,ab.
83	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
84	(financ* or fee or fees).ti,ab.
85	(value adj2 (money or monetary)).ti,ab.
86	or/79-84
87	71 or 78 or 86
88	61 and 87
89	remove duplicates from 88

Literature search strategies for question 3.7 What is the effectiveness of nitric oxide in preterm babies requiring invasive ventilation?

3 Systematic reviews and RCTs

4 Date of initial search: 09/01/18

5 Database(s): Embase 1980 to 2018 Week 02, Ovid MEDLINE(R) Epub Ahead of Print, In-
6 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
7 1946 to Present

8 Date of updated search: 05/06/2018

9 Database(s): Embase 1980 to 2018 Week 23, Ovid MEDLINE(R) Epub Ahead of Print, In-
10 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
11 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.

EARLY SUBMISSION

#	Searches
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	Nitric Oxide/ use ppez
25	Endothelium-Dependent Relaxing Factors/ use ppez
26	nitric oxide/ use emez
27	((nitric or nitrogen) adj3 (oxide or monoxide or oxygen)).tw.
28	endothelial?derived relax*.tw.
29	endothelial?dependent relax*.tw.
30	or/24-29
31	23 and 30
32	limit 31 to english language
33	limit 32 to yr="1990 -Current"
34	Letter/ use ppez
35	letter.pt. or letter/ use emez
36	note.pt.
37	editorial.pt.
38	Editorial/ use ppez
39	News/ use ppez
40	exp Historical Article/ use ppez
41	Anecdotes as Topic/ use ppez
42	Comment/ use ppez
43	Case Report/ use ppez
44	case report/ or case study/ use emez
45	(letter or comment*).ti.
46	or/34-45
47	randomised controlled trial/ use ppez
48	randomised controlled trial/ use emez
49	random*.ti,ab.
50	or/47-49
51	46 not 50
52	animals/ not humans/ use ppez
53	animal/ not human/ use emez
54	nonhuman/ use emez
55	exp Animals, Laboratory/ use ppez
56	exp Animal Experimentation/ use ppez
57	exp Animal Experiment/ use emez
58	exp Experimental Animal/ use emez
59	exp Models, Animal/ use ppez
60	animal model/ use emez
61	exp Rodentia/ use ppez
62	exp Rodent/ use emez
63	(rat or rats or mouse or mice).ti.
64	or/51-63
65	33 not 64
66	Meta-Analysis/
67	Meta-Analysis as Topic/
68	systematic review/

EARLY SUBMISSION

#	Searches
69	meta-analysis/
70	(meta analy* or metanaly* or metaanaly*).ti,ab.
71	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
72	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
73	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
74	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
75	(search* adj4 literature).ab.
76	(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.
77	cochrane.jw.
78	((pool* or combined) adj2 (data or trials or studies or results)).ab.
79	or/66-67,70,72-77 use ppez
80	or/68-71,73-78 use emez
81	or/79-80
82	clinical Trials as topic.sh. or (controlled clinical trial or pragmatic clinical trial or randomised controlled trial).pt. or (placebo or randomi#ed or randomly).ab. or trial.ti.
83	82 use ppez
84	(controlled clinical trial or pragmatic clinical trial or randomised controlled trial).pt. or drug therapy.fs. or (groups or placebo or randomi#ed or randomly or trial).ab.
85	84 use ppez
86	crossover procedure/ or double blind procedure/ or randomised controlled trial/ or single blind procedure/ or (assign* or allocat* or crossover* or cross over* or ((doubl* or singl*) adj blind*) or factorial* or placebo* or random* or volunteer*).ti,ab.
87	86 use emez
88	83 or 85
89	87 or 88
90	81 or 89
91	65 and 90
92	remove duplicates from 91

1 Observational studies

2 Date of initial search: 09/01/2018

3 Database(s): Embase 1980 to 2018 Week 02, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 05/06/2018

7 Database(s): Embase 1980 to 2018 Week 23, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.

EARLY SUBMISSION

#	Searches
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	Nitric Oxide/ use ppez
25	Endothelium-Dependent Relaxing Factors/ use ppez
26	nitric oxide/ use emez
27	((nitric or nitrogen) adj3 (oxide or monoxide or oxygen)).tw.
28	endothelial?derived relax*.tw.
29	endothelial?dependent relax*.tw.
30	or/24-29
31	23 and 30
32	limit 31 to english language
33	limit 32 to yr="1990 -Current"
34	Letter/ use ppez
35	letter.pt. or letter/ use emez
36	note.pt.
37	editorial.pt.
38	Editorial/ use ppez
39	News/ use ppez
40	exp Historical Article/ use ppez
41	Anecdotes as Topic/ use ppez
42	Comment/ use ppez
43	Case Report/ use ppez
44	case report/ or case study/ use emez
45	(letter or comment*).ti.
46	or/34-45
47	randomised controlled trial/ use ppez
48	randomised controlled trial/ use emez
49	random*.ti,ab.
50	or/47-49
51	46 not 50
52	animals/ not humans/ use ppez
53	animal/ not human/ use emez
54	nonhuman/ use emez
55	exp Animals, Laboratory/ use ppez
56	exp Animal Experimentation/ use ppez
57	exp Animal Experiment/ use emez
58	exp Experimental Animal/ use emez
59	exp Models, Animal/ use ppez
60	animal model/ use emez
61	exp Rodentia/ use ppez
62	exp Rodent/ use emez
63	(rat or rats or mouse or mice).ti.
64	or/51-63
65	33 not 64
66	Epidemiologic Studies/
67	Case Control Studies/
68	Retrospective Studies/
69	Cohort Studies/
70	Longitudinal Studies/
71	Follow-Up Studies/
72	Prospective Studies/
73	Cross-Sectional Studies/
74	or/66-73 use ppez
75	clinical study/
76	case control study/
77	family study/
78	longitudinal study/
79	retrospective study/
80	prospective study/
81	cohort analysis/
82	or/75-81 use emez

EARLY SUBMISSION

#	Searches
83	((retrospective\$ or cohort\$ or longitudinal or follow?up or prospective or cross section\$) adj3 (stud\$ or research or analys\$)).ti.
84	74 or 82 or 83
85	65 and 84
86	remove duplicates from 85

1 Health economics

2 Date of initial search: 09/01/2018

3 Database(s): Embase 1980 to 2018 Week 02, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 05/06/2018

7 Database(s): Embase 1980 to 2018 Week 23, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	((infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	Nitric Oxide/ use ppez
25	Endothelium-Dependent Relaxing Factors/ use ppez
26	nitric oxide/ use emez
27	((nitric or nitrogen) adj3 (oxide or monoxide or oxygen)).tw.
28	endothelial?derived relax*.tw.
29	endothelial?dependent relax*.tw.
30	or/24-29
31	23 and 30
32	limit 31 to english language
33	limit 32 to yr="1990 -Current"
34	Letter/ use ppez
35	letter.pt. or letter/ use emez
36	note.pt.
37	editorial.pt.
38	Editorial/ use ppez
39	News/ use ppez
40	exp Historical Article/ use ppez
41	Anecdotes as Topic/ use ppez

EARLY SUBMISSION

#	Searches
42	Comment/ use ppez
43	Case Report/ use ppez
44	case report/ or case study/ use emez
45	(letter or comment*).ti.
46	or/34-45
47	randomised controlled trial/ use ppez
48	randomised controlled trial/ use emez
49	random*.ti,ab.
50	or/47-49
51	46 not 50
52	animals/ not humans/ use ppez
53	animal/ not human/ use emez
54	nonhuman/ use emez
55	exp Animals, Laboratory/ use ppez
56	exp Animal Experimentation/ use ppez
57	exp Animal Experiment/ use emez
58	exp Experimental Animal/ use emez
59	exp Models, Animal/ use ppez
60	animal model/ use emez
61	exp Rodentia/ use ppez
62	exp Rodent/ use emez
63	(rat or rats or mouse or mice).ti.
64	or/51-63
65	33 not 64
66	Economics/
67	Value of life/
68	exp "Costs and Cost Analysis"/
69	exp Economics, Hospital/
70	exp Economics, Medical/
71	Economics, Nursing/
72	Economics, Pharmaceutical/
73	exp "Fees and Charges"/
74	exp Budgets/
75	or/66-74 use ppez
76	health economics/
77	exp economic evaluation/
78	exp health care cost/
79	exp fee/
80	budget/
81	funding/
82	or/76-81 use emez
83	budget*.ti,ab.
84	cost*.ti.
85	(economic* or pharmaco?economic*).ti.
86	(price* or pricing*).ti,ab.
87	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
88	(financ* or fee or fees).ti,ab.
89	(value adj2 (money or monetary)).ti,ab.
90	or/83-88
91	75 or 82 or 90
92	65 and 91
93	remove duplicates from 92

1 Cochrane Library

2 Date of initial search: 09/01/2018

3 Database: The Cochrane Library: issue 1 of 12, January 2018

4 Date of updated search: 05/06/2018

5 Database: The Cochrane Library: issue 6 of 12, June 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees

EARLY SUBMISSION

ID	Search
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies)
#3	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1)
#4	(low near birth near weigh*)
#5	MeSH descriptor: [Intensive Care, Neonatal] this term only
#6	MeSH descriptor: [Intensive Care Units, Neonatal] this term only
#7	(special and care and baby and unit*)
#8	((newborn or neonatal or neo-natal) near (ICU*1 or unit*))
#9	(SCBU or NICU)
#10	{or #1-#9}
#11	MeSH descriptor: [Nitric Oxide] this term only
#12	MeSH descriptor: [Endothelium-Dependent Relaxing Factors] this term only
#13	((nitric or nitrogen) near (oxide or monoxide or oxygen))
#14	"endothelial* derived relax**"
#15	"endothelial* dependent relax**"
#16	{or #11-#15}
#17	#10 and #16 Publication Year from 1990 to 2018

C. Managing respiratory disorders

Literature search strategies for question 3.4 What is the effectiveness of 3 corticosteroids in preterm babies requiring respiratory support?

4 Systematic reviews and RCTs

5 Date of initial search: 10/05/2017

6 Database: Embase 1980 to 2017 Week 19, Ovid MEDLINE(R) Epub Ahead of Print, In-
7 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
8 1946 to Present

9 Date of updated search: 26/06/2018

10 Database(s): Embase 1980 to 2018 Week 26, Ovid MEDLINE(R) Epub Ahead of Print, In-
11 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
12 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	exp low birth weight/ use emez
5	(infan* or neonat* or newborn* or new-born* or baby or babies).ti,ab,jw,nw.
6	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	special care baby unit*.tw.
16	((newborn or neonatal) adj ICU*1).tw.
17	(SCBU or NICU).tw.
18	or/1-17
19	exp Respiration, Artificial/ use ppez
20	exp artificial ventilation/ use emez
21	exp assisted ventilation/ use emez
22	exp Ventilators, Mechanical/ use ppez
23	exp ventilator/ use emez

EARLY SUBMISSION

#	Searches
24	((mechanic* or artificial or assisted or continu* or control* or high frequency or invasive or mandatory or oscillat* or pressure* or pulmonary or support* or trigger* or volume) adj3 (ventilat* or respirate or respiration or breathing or airway*)) or ventilat* or respirator or respirators).tw.
25	(ACV or CMV or SIMV or PCV or PTV or SIPPV or VGV or PCVG or HFOV).tw.
26	assist* control*.tw.
27	volume control*.tw.
28	volume guarantee.tw.
29	or/19-28
30	Budesonide/ use ppez
31	budesonide/ use emez
32	(budesonide or budelin or pulmicort).tw.
33	exp Dexamethasone/ use ppez
34	dexamethasone/ use emez
35	(dexamethasone or dexsol or martapen).tw.
36	exp Hydrocortisone/ use ppez
37	hydrocortisone/ use emez
38	(hydrocortisone or ef Cortesol or solu Cortef or solucortef or corlan).tw.
39	(steroid* or corticosteroid* or glucocortico*).tw.
40	or/30-39
41	18 and 29 and 40
42	limit 41 to english language
43	limit 42 to yr="1990 -Current"
44	Letter/ use ppez
45	letter.pt. or letter/ use emez
46	note.pt.
47	editorial.pt.
48	Editorial/ use ppez
49	News/ use ppez
50	exp Historical Article/ use ppez
51	Anecdotes as Topic/ use ppez
52	Comment/ use ppez
53	Case Report/ use ppez
54	case report/ or case study/ use emez
55	(letter or comment*).ti.
56	or/44-55
57	randomized controlled trial/ use ppez
58	randomized controlled trial/ use emez
59	random*.ti,ab.
60	or/57-59
61	56 not 60
62	animals/ not humans/ use ppez
63	animal/ not human/ use emez
64	nonhuman/ use emez
65	exp Animals, Laboratory/ use ppez
66	exp Animal Experimentation/ use ppez
67	exp Animal Experiment/ use emez
68	exp Experimental Animal/ use emez
69	exp Models, Animal/ use ppez
70	animal model/ use emez
71	exp Rodentia/ use ppez
72	exp Rodent/ use emez
73	(rat or rats or mouse or mice).ti.
74	or/61-73
75	43 not 74
76	Meta-Analysis/
77	Meta-Analysis as Topic/
78	systematic review/
79	meta-analysis/
80	(meta analy* or metanaly* or metaanaly*).ti,ab.
81	((systematic or evidence) adj2 (review* or overview*)),ti,ab.
82	((systematic* or evidence*) adj2 (review* or overview*)),ti,ab.
83	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
84	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
85	(search* adj4 literature).ab.

EARLY SUBMISSION

#	Searches
86	(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.
87	cochrane.jw.
88	((pool* or combined) adj2 (data or trials or studies or results)).ab.
89	or/76-77,80,82-87 use ppez
90	or/78-81,83-88 use emez
91	or/89-90
92	clinical Trials as topic.sh. or (controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or (placebo or randomi#ed or randomly).ab. or trial.ti.
93	92 use ppez
94	(controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or drug therapy.fs. or (groups or placebo or randomi#ed or randomly or trial).ab.
95	94 use ppez
96	crossover procedure/ or double blind procedure/ or randomized controlled trial/ or single blind procedure/ or (assign* or allocat* or crossover* or cross over* or ((doubl* or singl*) adj blind*) or factorial* or placebo* or random* or volunteer*).ti,ab.
97	96 use emez
98	93 or 95
99	97 or 98
100	91 or 99
101	75 and 100
102	remove duplicates from 101

1 Observational studies

2 Date of initial search: 10/05/2017

3 Database: Embase 1980 to 2017 Week 19, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 26/06/2018

7 Database(s): Embase 1980 to 2018 Week 26, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	exp low birth weight/ use emez
5	((infan* or neonat* or newborn* or new-born or baby or babies).ti,ab,jw,nw.
6	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	special care baby unit*.tw.
16	((newborn or neonatal) adj ICU*1).tw.
17	(SCBU or NICU).tw.
18	or/1-17
19	exp Respiration, Artificial/ use ppez
20	exp artificial ventilation/ use emez
21	exp assisted ventilation/ use emez
22	exp Ventilators, Mechanical/ use ppez
23	exp ventilator/ use emez
24	((((mechanic* or artificial or assisted or continu* or control* or high frequency or invasive or mandatory or oscillat* or pressure* or pulmonary or support* or trigger* or volume) adj3 (ventilat* or respirate or respiration or breathing or airway*)) or ventilat* or respirator or respirators).tw.

EARLY SUBMISSION

#	Searches
25	(ACV or CMV or SIMV or PCV or PTV or SIPPV or VGV or PCVG or HFOV).tw.
26	assist control.tw.
27	volume control*.tw.
28	volume guarantee.tw.
29	or/19-28
30	Budesonide/ use ppez
31	budesonide/ use emez
32	(budesonide or budelin or pulmicort).tw.
33	exp Dexamethasone/ use ppez
34	dexamethasone/ use emez
35	(dexamethasone or dexsol or martapen).tw.
36	exp Hydrocortisone/ use ppez
37	hydrocortisone/ use emez
38	(hydrocortisone or efcortisol or solu cortef or soluortef or corlan).tw.
39	(steroid* or corticosteroid* or glucocortico*).tw.
40	or/30-39
41	18 and 29 and 40
42	limit 41 to english language
43	limit 42 to yr="1990 -Current"
44	Letter/ use ppez
45	letter.pt. or letter/ use emez
46	note.pt.
47	editorial.pt.
48	Editorial/ use ppez
49	News/ use ppez
50	exp Historical Article/ use ppez
51	Anecdotes as Topic/ use ppez
52	Comment/ use ppez
53	Case Report/ use ppez
54	case report/ or case study/ use emez
55	(letter or comment*).ti.
56	or/44-55
57	randomized controlled trial/ use ppez
58	randomized controlled trial/ use emez
59	random*.ti,ab.
60	or/57-59
61	56 not 60
62	animals/ not humans/ use ppez
63	animal/ not human/ use emez
64	nonhuman/ use emez
65	exp Animals, Laboratory/ use ppez
66	exp Animal Experimentation/ use ppez
67	exp Animal Experiment/ use emez
68	exp Experimental Animal/ use emez
69	exp Models, Animal/ use ppez
70	animal model/ use emez
71	exp Rodentia/ use ppez
72	exp Rodent/ use emez
73	(rat or rats or mouse or mice).ti.
74	or/61-73
75	43 not 74
76	Epidemiologic Studies/
77	Case Control Studies/
78	Retrospective Studies/
79	Cohort Studies/
80	Longitudinal Studies/
81	Follow-Up Studies/
82	Prospective Studies/
83	Cross-Sectional Studies/
84	or/76-83 use ppez
85	clinical study/
86	case control study/
87	family study/
88	longitudinal study/

EARLY SUBMISSION

#	Searches
89	retrospective study/
90	prospective study/
91	cohort analysis/
92	or/85-91 use emez
93	((retrospective* or cohort* or longitudinal or follow?up or prospective or cross section*) adj3 (stud* or research or analys*)).ti.
94	84 or 92 or 93
95	75 and 94
96	remove duplicates from 95

1 Health economics

2 Date of initial search: 10/05/2017

3 Database: Embase 1980 to 2017 Week 19, Ovid MEDLINE(R) Epub Ahead of Print, In-

4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

5 1946 to Present

6 Date of updated search: 26/06/2018

7 Database(s): Embase 1980 to 2018 Week 26, Ovid MEDLINE(R) Epub Ahead of Print, In-

8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	exp low birth weight/ use emez
5	((infan* or neonat* or newborn* or new-born* or baby or babies).ti,ab,jw,nw.
6	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	special care baby unit*.tw.
16	((newborn or neonatal) adj ICU*1).tw.
17	(SCBU or NICU).tw.
18	or/1-17
19	exp Respiration, Artificial/ use ppez
20	exp artificial ventilation/ use emez
21	exp assisted ventilation/ use emez
22	exp Ventilators, Mechanical/ use ppez
23	exp ventilator/ use emez
24	((((mechanic* or artificial or assisted or continu* or control* or high frequency or invasive or mandatory or oscillat* or pressure* or pulmonary or support* or trigger* or volume) adj3 (ventilat* or respirate or respiration or breathing or airway*)) or ventilat* or respirator or respirators).tw.
25	(ACV or CMV or SIMV or PCV or PTV or SIPPV or VGV or PCVG or HFOV).tw.
26	assist control.tw.
27	volume control*.tw.
28	volume guarantee.tw.
29	or/19-28
30	Budesonide/ use ppez
31	budesonide/ use emez
32	(budesonide or budelin or pulmicort).tw.
33	exp Dexamethasone/ use ppez
34	dexamethasone/ use emez
35	(dexamethasone or dexsol or martapen).tw.
36	exp Hydrocortisone/ use ppez
37	hydrocortisone/ use emez

EARLY SUBMISSION

#	Searches
38	(hydrocortisone or efcortisol or solu cortef or solucortef or corlan).tw.
39	(steroid* or corticosteroid* or glucocortico*).tw.
40	or/30-39
41	18 and 29 and 40
42	limit 41 to english language
43	limit 42 to yr="1990 -Current"
44	Letter/ use ppez
45	letter.pt. or letter/ use emez
46	note.pt.
47	editorial.pt.
48	Editorial/ use ppez
49	News/ use ppez
50	exp Historical Article/ use ppez
51	Anecdotes as Topic/ use ppez
52	Comment/ use ppez
53	Case Report/ use ppez
54	case report/ or case study/ use emez
55	(letter or comment*).ti.
56	or/44-55
57	randomized controlled trial/ use ppez
58	randomized controlled trial/ use emez
59	random*.ti,ab.
60	or/57-59
61	56 not 60
62	animals/ not humans/ use ppez
63	animal/ not human/ use emez
64	nonhuman/ use emez
65	exp Animals, Laboratory/ use ppez
66	exp Animal Experimentation/ use ppez
67	exp Animal Experiment/ use emez
68	exp Experimental Animal/ use emez
69	exp Models, Animal/ use ppez
70	animal model/ use emez
71	exp Rodentia/ use ppez
72	exp Rodent/ use emez
73	(rat or rats or mouse or mice).ti.
74	or/61-73
75	43 not 74
76	Economics/
77	Value of life/
78	exp "Costs and Cost Analysis"/
79	exp Economics, Hospital/
80	exp Economics, Medical/
81	Economics, Nursing/
82	Economics, Pharmaceutical/
83	exp "Fees and Charges"/
84	exp Budgets/
85	or/76-84 use ppez
86	health economics/
87	exp economic evaluation/
88	exp health care cost/
89	exp fee/
90	budget/
91	funding/
92	or/86-91 use emez
93	budget*.ti,ab.
94	cost*.ti.
95	(economic* or pharmaco?economic*).ti.
96	(price* or pricing*).ti,ab.
97	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
98	(financ* or fee or fees).ti,ab.
99	(value adj2 (money or monetary)).ti,ab.
100	or/93-98
101	85 or 92 or 100

EARLY SUBMISSION

#	Searches
102	75 and 101
103	remove duplicates from 102
97	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
98	(financ* or fee or fees).ti,ab.
99	(value adj2 (money or monetary)).ti,ab.
100	or/93-98
101	85 or 92 or 100
102	75 and 101
103	remove duplicates from 102

1 Systematic reviews, RCTs, health economics

2 Date of initial search: 10/05/2017

3 Databases: The Cochrane Library, issue 5 of 12, May 2017

4 Date of updated search: 27/06/2018

5 Databases: The Cochrane Library, issue 6 of 12, June 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or newborn* or new-born* or baby or babies or preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie or premies)
#3	((low near/3 birth near/3 weigh*) or (LBW or VLBW))
#4	MeSH descriptor: [Respiratory Distress Syndrome, Newborn] explode all trees
#5	MeSH descriptor: [Intensive Care, Neonatal] explode all trees
#6	MeSH descriptor: [Intensive Care Units, Neonatal] explode all trees
#7	(special care baby unit* or ((newborn or neonatal) near ICU*1) or (SCBU or NICU))
#8	{or #1-#7}
#9	MeSH descriptor: [Respiration, Artificial] explode all trees
#10	MeSH descriptor: [Ventilators, Mechanical] explode all trees
#11	((((mechanic* or artificial or assisted or continu* or control* or high frequency or invasive or mandatory or oscillat* or pressure* or pulmonary or support* or trigger* or volume) near/3 (ventilat* or respirate or respiration or breathing or airway*)) or ventilat* or respirator or respirators)
#12	(ACV or CMV or SIMV or PCV or PTV or SIPPV or VGV or PCVG or HFOV)
#13	(assist* control* or volume control* or volume guarantee)
#14	{or #9-#13}
#15	MeSH descriptor: [Budesonide] this term only
#16	(budesonide or budelin or pulmicort)
#17	MeSH descriptor: [Dexamethasone] explode all trees
#18	(dexamethasone or dexsol or martapen)
#19	MeSH descriptor: [Hydrocortisone] explode all trees
#20	(hydrocortisone or efcortisol or solu cortef or soluortef or corlan)
#21	(steroid* or corticosteroid* or glucocortico*)
#22	{or #15-#21}
#23	#8 and #14 and #22 Publication Year from 1990 to 2017

Literature search strategies for question 3.5 What is the safety and effectiveness of diuretics in preterm babies on respiratory support?

8 Systematic reviews and RCTs

9 Date of initial search: 03/10/2017

10 Database(s): Embase 1980 to 2017 Week 40, Ovid MEDLINE(R) Epub Ahead of Print, In-

11 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

12 1946 to Present

13 Date of updated search: 26/06/2018

EARLY SUBMISSION

- 1 Database(s): Embase 1980 to 2018 Week 26, Ovid MEDLINE(R) Epub Ahead of Print, In-
- 2 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
- 3 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	Diuretics/ use ppez
25	diuretic agent/ use emez
26	Sodium Potassium Chloride Symporter Inhibitors/ use ppez
27	diuretic*.tw.
28	loop diuretic agent/ use emez
29	Furosemide/ use ppez
30	furosemide/ use emez
31	(furosemid* or frusemide or furantral).tw.
32	Mineralocorticoid Receptor Antagonists/ use ppez
33	aldosterone antagonist/ use emez
34	Canrenoic Acid/ use ppez
35	canrenoate potassium/ use emez
36	((potassium adj canrenoate) or (aldadiene adj kalium) or canrenoic acid).tw.
37	Spirolactone/ use ppez
38	spironolactone/ use emez
39	(spironolact?on* or acetylthiospirolactone).tw.
40	Thiazides/ use ppez
41	thiazide diuretic agent/ use emez
42	thiazide*.tw.
43	exp Chlorothiazide/ use ppez
44	chlorothiazide/ use emez
45	(chlorothiazid* or mechlozid or uroflux).tw.
46	or/24-44
47	23 and 46
48	limit 47 to english language
49	limit 48 to yr="1990 -Current"
50	Letter/ use ppez
51	letter.pt. or letter/ use emez
52	note.pt.
53	editorial.pt.
54	Editorial/ use ppez
55	News/ use ppez
56	exp Historical Article/ use ppez
57	Anecdotes as Topic/ use ppez
58	Comment/ use ppez
59	Case Report/ use ppez
60	case report/ or case study/ use emez

EARLY SUBMISSION

#	Searches
61	(letter or comment*).ti.
62	or/50-61
63	randomized controlled trial/ use ppez
64	randomized controlled trial/ use emez
65	random*.ti,ab.
66	or/63-65
67	62 not 66
68	animals/ not humans/ use ppez
69	animal/ not human/ use emez
70	nonhuman/ use emez
71	exp Animals, Laboratory/ use ppez
72	exp Animal Experimentation/ use ppez
73	exp Animal Experiment/ use emez
74	exp Experimental Animal/ use emez
75	exp Models, Animal/ use ppez
76	animal model/ use emez
77	exp Rodentia/ use ppez
78	exp Rodent/ use emez
79	(rat or rats or mouse or mice).ti.
80	or/67-79
81	49 not 80
82	Meta-Analysis/
83	Meta-Analysis as Topic/
84	systematic review/
85	meta-analysis/
86	(meta analy* or metanaly* or metaanaly*).ti,ab.
87	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
88	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
89	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
90	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
91	(search* adj4 literature).ab.
92	(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.
93	cochrane.jw.
94	((pool* or combined) adj2 (data or trials or studies or results)).ab.
95	or/82-83,86,88-93 use ppez
96	or/84-87,89-94 use emez
97	or/95-96
98	clinical Trials as topic.sh. or (controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or (placebo or randomi#ed or randomly).ab. or trial.ti.
99	98 use ppez
100	(controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or drug therapy.fs. or (groups or placebo or randomi#ed or randomly or trial).ab.
101	100 use ppez
102	crossover procedure/ or double blind procedure/ or randomized controlled trial/ or single blind procedure/ or (assign* or allocat* or crossover* or cross over* or ((doubl* or singl*) adj blind*) or factorial* or placebo* or random* or volunteer*).ti,ab.
103	102 use emez
104	99 or 101
105	103 or 104
106	97 or 105
107	81 and 106
108	remove duplicates from 107

1 Observational studies

2 Date of initial search: 03/10/2017

3 Database(s): Embase 1980 to 2017 Week 40, Ovid MEDLINE(R) Epub Ahead of Print, In-
 4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
 5 1946 to Present

6 Date of updated search: 26/06/2018

EARLY SUBMISSION

- 1 Database(s): Embase 1980 to 2018 Week 26, Ovid MEDLINE(R) Epub Ahead of Print, In-
- 2 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
- 3 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	Diuretics/ use ppez
25	diuretic agent/ use emez
26	Sodium Potassium Chloride Symporter Inhibitors/ use ppez
27	diuretic*.tw.
28	loop diuretic agent/ use emez
29	Furosemide/ use ppez
30	furosemide/ use emez
31	(furosemid* or frusemide or furantral).tw.
32	Mineralocorticoid Receptor Antagonists/ use ppez
33	aldosterone antagonist/ use emez
34	Canrenoic Acid/ use ppez
35	canrenoate potassium/ use emez
36	((potassium adj canrenoate) or (aldadiene adj kalium) or canrenoic acid).tw.
37	Spirolactone/ use ppez
38	spironolactone/ use emez
39	(spironolact?on* or acetylthiospirolactone).tw.
40	Thiazides/ use ppez
41	thiazide diuretic agent/ use emez
42	thiazide*.tw.
43	exp Chlorothiazide/ use ppez
44	chlorothiazide/ use emez
45	(chlorothiazid* or mechlozid or uroflux).tw.
46	or/24-44
47	23 and 46
48	limit 47 to english language
49	limit 48 to yr="1990 -Current"
50	Letter/ use ppez
51	letter.pt. or letter/ use emez
52	note.pt.
53	editorial.pt.
54	Editorial/ use ppez
55	News/ use ppez
56	exp Historical Article/ use ppez
57	Anecdotes as Topic/ use ppez
58	Comment/ use ppez
59	Case Report/ use ppez
60	case report/ or case study/ use emez

EARLY SUBMISSION

#	Searches
61	(letter or comment*).ti.
62	or/50-61
63	randomized controlled trial/ use ppez
64	randomized controlled trial/ use emez
65	random*.ti,ab.
66	or/63-65
67	62 not 66
68	animals/ not humans/ use ppez
69	animal/ not human/ use emez
70	nonhuman/ use emez
71	exp Animals, Laboratory/ use ppez
72	exp Animal Experimentation/ use ppez
73	exp Animal Experiment/ use emez
74	exp Experimental Animal/ use emez
75	exp Models, Animal/ use ppez
76	animal model/ use emez
77	exp Rodentia/ use ppez
78	exp Rodent/ use emez
79	(rat or rats or mouse or mice).ti.
80	or/67-79
81	49 not 80
82	Epidemiologic Studies/
83	Case Control Studies/
84	Retrospective Studies/
85	Cohort Studies/
86	Longitudinal Studies/
87	Follow-Up Studies/
88	Prospective Studies/
89	Cross-Sectional Studies/
90	or/82-89 use ppez
91	clinical study/
92	case control study/
93	family study/
94	longitudinal study/
95	retrospective study/
96	prospective study/
97	cohort analysis/
98	or/91-97 use emez
99	((retrospective\$ or cohort\$ or longitudinal or follow?up or prospective or cross section\$) adj3 (stud\$ or research or analys\$)).ti.
100	90 or 98 or 99
101	81 and 100
102	remove duplicates from 101

1 Health economics

2 Date of initial search: 03/10/2017

3 Database(s): Embase 1980 to 2017 Week 40, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 26/06/2018

7 Database(s): Embase 1980 to 2018 Week 26, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.

EARLY SUBMISSION

#	Searches
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	Diuretics/ use ppez
25	diuretic agent/ use emez
26	Sodium Potassium Chloride Symporter Inhibitors/ use ppez
27	diuretic*.tw.
28	loop diuretic agent/ use emez
29	Furosemide/ use ppez
30	furosemide/ use emez
31	(furosemid* or frusemide or furantral).tw.
32	Mineralocorticoid Receptor Antagonists/ use ppez
33	aldosterone antagonist/ use emez
34	Canrenoic Acid/ use ppez
35	canrenoate potassium/ use emez
36	((potassium adj canrenoate) or (aldadiene adj kalium) or canrenoic acid).tw.
37	Spironolactone/ use ppez
38	spironolactone/ use emez
39	(spironolact?on* or acetylthiospirolactone).tw.
40	Thiazides/ use ppez
41	thiazide diuretic agent/ use emez
42	thiazide*.tw.
43	exp Chlorothiazide/ use ppez
44	chlorothiazide/ use emez
45	(chlorothiazid* or mechlozid or uroflux).tw.
46	or/24-44
47	23 and 46
48	limit 47 to english language
49	limit 48 to yr="1990 -Current"
50	Letter/ use ppez
51	letter.pt. or letter/ use emez
52	note.pt.
53	editorial.pt.
54	Editorial/ use ppez
55	News/ use ppez
56	exp Historical Article/ use ppez
57	Anecdotes as Topic/ use ppez
58	Comment/ use ppez
59	Case Report/ use ppez
60	case report/ or case study/ use emez
61	(letter or comment*).ti.
62	or/50-61
63	randomized controlled trial/ use ppez
64	randomized controlled trial/ use emez
65	random*.ti,ab.
66	or/63-65
67	62 not 66
68	animals/ not humans/ use ppez

EARLY SUBMISSION

#	Searches
69	animal/ not human/ use emez
70	nonhuman/ use emez
71	exp Animals, Laboratory/ use ppez
72	exp Animal Experimentation/ use ppez
73	exp Animal Experiment/ use emez
74	exp Experimental Animal/ use emez
75	exp Models, Animal/ use ppez
76	animal model/ use emez
77	exp Rodentia/ use ppez
78	exp Rodent/ use emez
79	(rat or rats or mouse or mice).ti.
80	or/67-79
81	49 not 80
82	Economics/
83	Value of life/
84	exp "Costs and Cost Analysis"/
85	exp Economics, Hospital/
86	exp Economics, Medical/
87	Economics, Nursing/
88	Economics, Pharmaceutical/
89	exp "Fees and Charges"/
90	exp Budgets/
91	or/82-90 use ppez
92	health economics/
93	exp economic evaluation/
94	exp health care cost/
95	exp fee/
96	budget/
97	funding/
98	or/92-97 use emez
99	budget*.ti,ab.
100	cost*.ti.
101	(economic* or pharmaco?economic*).ti.
102	(price* or pricing*).ti,ab.
103	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
104	(financ* or fee or fees).ti,ab.
105	(value adj2 (money or monetary)).ti,ab.
106	or/99-104
107	91 or 98 or 106
108	81 and 107
109	remove duplicates from 108

1 Systematic reviews, RCTs and health economics

2 Date of initial search: 03/10/2017

3 Database(s): Cochrane Library, issue 10 of 12, October 2017

4 Date of updated search: 27/06/2018

5 Database(s): Cochrane Library, issue 6 of 12, June 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies or preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie or premies or low birth weight or very low birth weight)
#3	(LBW or VLBW)
#4	MeSH descriptor: [Respiratory Distress Syndrome, Newborn] explode all trees
#5	MeSH descriptor: [Intensive Care, Neonatal] explode all trees
#6	MeSH descriptor: [Intensive Care Units, Neonatal] explode all trees
#7	MeSH descriptor: [Neonatal Nursing] explode all trees
#8	((newborn or neonat* or neo-nat*) near/2 (unit or care or department* or facilit* or hospital* or ICU*))
#9	(special near baby next unit*)
#10	(SCBU or NICU)

EARLY SUBMISSION

ID	Search
#11	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie* or premies) near/2 (unit* or care or department* or facilit* or hospital*))
#12	{or #1-#11}
#13	MeSH descriptor: [Diuretics] this term only
#14	MeSH descriptor: [Sodium Potassium Chloride Symporter Inhibitors] this term only
#15	diuretic*
#16	MeSH descriptor: [Furosemide] this term only
#17	(furosemid* or frusemid* or furantral)
#18	MeSH descriptor: [Mineralocorticoid Receptor Antagonists] this term only
#19	MeSH descriptor: [Canrenoic Acid] this term only
#20	((potassium next canrenoate) or (aldadiene next kalium) or canrenoic acid)
#21	MeSH descriptor: [Spironolactone] this term only
#22	(spironolacton* or acetylthiospirolactone)
#23	MeSH descriptor: [Thiazides] this term only
#24	thiazide*
#25	MeSH descriptor: [Chlorothiazide] explode all trees
#26	(chlorothiazid* or mechlozid or uroflux)
#27	{or #13-#26}
#28	#12 and #27

Literature search strategies for question 3.6 What is the effectiveness of caffeine 2 in preterm babies requiring respiratory support?

3 Date of initial search: 13/03/2018

4 Database: Embase 1980 to 2018 Week 11, Ovid MEDLINE(R) Epub Ahead of Print, In-
5 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
6 1946 to Present

7 Date of updated search: 12/06/2018

8 Database(s): Embase 1980 to 2018 Week 24, Ovid MEDLINE(R) Epub Ahead of Print, In-
9 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
10 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	((infan* or neonat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Intensive Care, Neonatal/ use ppez
10	newborn intensive care/ use emez
11	exp Intensive Care Units, Neonatal/ use ppez
12	neonatal intensive care unit/ use emez
13	(special and care and baby and unit*).tw.
14	((newborn or neonatal) adj ICU*1).tw.
15	(SCBU or NICU).tw.
16	exp Respiratory Distress Syndrome, Newborn/ use ppez
17	neonatal respiratory distress syndrome/ use emez
18	or/1-17
19	Caffeine/ use ppez
20	caffeine/ use emez
21	caffeine citrate/ use emez
22	caffeine benzoate/ use emez
23	caffeine.tw.
24	or/19-23
25	18 and 24
26	Letter/ use ppez

EARLY SUBMISSION

#	Searches
27	letter.pt. or letter/ use emez
28	note.pt.
29	editorial.pt.
30	Editorial/ use ppez
31	News/ use ppez
32	exp Historical Article/ use ppez
33	Anecdotes as Topic/ use ppez
34	Comment/ use ppez
35	Case Report/ use ppez
36	case report/ or case study/ use emez
37	(letter or comment*).ti.
38	or/26-37
39	randomsied controlled trial/ use ppez
40	randomsied controlled trial/ use emez
41	random*.ti,ab.
42	or/39-41
43	38 not 42
44	animals/ not humans/ use ppez
45	animal/ not human/ use emez
46	nonhuman/ use emez
47	exp Animals, Laboratory/ use ppez
48	exp Animal Experimentation/ use ppez
49	exp Animal Experiment/ use emez
50	exp Experimental Animal/ use emez
51	exp Models, Animal/ use ppez
52	animal model/ use emez
53	exp Rodentia/ use ppez
54	exp Rodent/ use emez
55	(rat or rats or mouse or mice).ti.
56	or/43-55
57	25 not 56
58	limit 57 to english language
59	limit 58 to yr="1990 -Current"
60	remove duplicates from 59

1 Health economics

2 Date of initial search: 14/03/2018

3 Database: Embase 1980 to 2018 Week 11, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 12/6/2018

7 Database(s): Embase 1980 to 2018 Week 24, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Intensive Care, Neonatal/ use ppez
10	newborn intensive care/ use emez
11	exp Intensive Care Units, Neonatal/ use ppez
12	neonatal intensive care unit/ use emez
13	(special and care and baby and unit*).tw.

EARLY SUBMISSION

#	Searches
14	((newborn or neonatal) adj ICU*1).tw.
15	(SCBU or NICU).tw.
16	exp Respiratory Distress Syndrome, Newborn/ use ppez
17	neonatal respiratory distress syndrome/ use emez
18	or/1-17
19	Caffeine/ use ppez
20	caffeine/ use emez
21	caffeine citrate/ use emez
22	caffeine benzoate/ use emez
23	caffeine.tw.
24	or/19-23
25	18 and 24
30	Economics/
31	Value of life/
32	exp "Costs and Cost Analysis"/
33	exp Economics, Hospital/
34	exp Economics, Medical/
35	Economics, Nursing/
36	Economics, Pharmaceutical/
37	exp "Fees and Charges"/
38	exp Budgets/
39	(or/30-38) use ppez
40	health economics/
41	exp economic evaluation/
42	exp health care cost/
43	exp fee/
44	budget/
45	funding/
46	(or/40-45) use emez
47	budget*.ti,ab.
48	cost*.ti.
49	(economic* or pharmaco?economic*).ti.
50	(price* or pricing*).ti,ab.
51	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*).ab.
52	(financ* or fee or fees).ti,ab.
53	(value adj2 (money or monetary)).ti,ab.
54	or/47-53
55	39 or 46 or 54
56	25 and 55
57	limit 56 to english language
58	limit 57 to yr="1990 -Current"
59	remove duplicates from 58

1 Date of initial search: 13/03/2018

2 Database: The Cochrane Library, issue 3 of 12, March 2018

3 Date of updated search: 13/06/2018

4 Database: The Cochrane Library, issue 6 of 12, June 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies)
#3	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1)
#4	(low near birth near weigh*)
#5	MeSH descriptor: [Intensive Care, Neonatal] this term only
#6	MeSH descriptor: [Intensive Care Units, Neonatal] this term only
#7	(special and care and baby and unit*)
#8	((newborn or neonatal or neo-natal) near (ICU*1 or unit*))
#9	(SCBU or NICU)
#10	{or #1-#9}
#11	MeSH descriptor: [Caffeine] this term only
#12	caffeine
#13	#11 or #12

EARLY SUBMISSION

ID	Search
#14	#10 and #13 Publication Year from 1990 to 2018

Literature search strategies for question 3.8: What is the effectiveness of 2 interventions for closing a patent ductus arteriosus in preterm babies requiring 3 respiratory support?

4 Systematic reviews and RCTs

5 Date of initial search: 15/11/2017

6 Database(s): Embase 1980 to 2017 Week 46, Ovid MEDLINE(R) Epub Ahead of Print, In-
7 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
8 1946 to Present

9 Date of updated search: 05/06/2018

10 Database(s): Embase 1980 to 2018 Week 23, Ovid MEDLINE(R) Epub Ahead of Print, In-
11 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
12 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	Ductus Arteriosus, Patent/ use ppez
25	exp patent ductus arteriosus/ use emez
26	(patent ductus or persistent ductus or ductus arteriosus or PDA).tw.
27	or/24-26
28	23 and 27
29	drug therapy.fs.
30	surgery.fs.
31	29 or 30
32	Cyclooxygenase Inhibitors/ use ppez
33	prostaglandin synthase inhibitor/ use emez
34	Acetaminophen/ use ppez
35	paracetamol/ use emez
36	(paracetamol or acetaminophen or acetamidophen* or acetylamino* or panadol or tylenol).tw.
37	Anti-Inflammatory Agents, Non-Steroidal/ use ppez
38	nonsteroid antiinflammatory agent/ use emez
39	Ibuprofen/ use ppez

EARLY SUBMISSION

#	Searches
40	ibuprofen/ use emez
41	(ibuprofen* or ibuprophen or isobutylphenyl propionic acid or NSAID*).tw.
42	or/32-41
43	Fluid Therapy/ use ppez
44	fluid therapy/ use emez
45	Dehydration/ use ppez
46	dehydration/ use emez
47	or/43-46
48	((fluid* or water) adj3 (restrict* or balanc* or deplet* or depriv* or imbalanc* or intake* or loss or manag* or remov* or therap* or treatment*)) or (dehydrat* or dishydrat*).tw.
49	diuretic*.tw.
50	48 or (48 and 49)
51	Diuretics/ use ppez
52	diuretic agent/ use emez
53	51 or 52
54	47 and 53
55	Furosemide/ use ppez
56	furosemide/ use emez
57	(furosemid* or frusemide or furantral).tw.
58	or/55-57
59	Spirolactone/ and exp Chlorothiazide/ use ppez
60	spironolactone/ and chlorothiazide/ use emez
61	Furosemide/ and Canrenoic Acid/ use ppez
62	((spironolact?on* or acetylthiospirolactone) and (chlorothiazid* or mechlozid or uroflux)).tw.
63	furosemide/ and canrenoate potassium/ use emez
64	((furosemid* or frusemide or furantral) and ((potassium adj canrenoate) or (aldadiene adj kalium) or canrenoic acid)).tw.
65	or/59-64
66	Ligation/ use ppez
67	ductus arteriosus obliteration/ use emez
68	exp cardiovascular procedure/ use emez
69	exp Cardiac Catheterization/ use ppez
70	heart catheterization/ use emez
71	clip/ use emez
72	*Cardiovascular Surgical Procedures/ or *Cardiac Surgical Procedures/ use ppez
73	*cardiovascular surgery/ or *heart surgery/ use emez
74	(ligation* or catheter* or clip or clips* or closure or coil* or device* or intervention* or occlusion* or surgery or suture* or suturing or transcatheter* or trans-catheter*).tw.
75	or/66-74
76	31 or 42 or 47 or 50 or 54 or 58 or 65 or 75
77	28 and 76
78	limit 77 to english language
79	limit 78 to yr="1990 -Current"
80	Letter/ use ppez
81	letter.pt. or letter/ use emez
82	note.pt.
83	editorial.pt.
84	Editorial/ use ppez
85	News/ use ppez
86	exp Historical Article/ use ppez
87	Anecdotes as Topic/ use ppez
88	Comment/ use ppez
89	Case Report/ use ppez
90	case report/ or case study/ use emez
91	(letter or comment*).ti.
92	or/80-91
93	randomised controlled trial/ use ppez
94	randomised controlled trial/ use emez
95	random*.ti,ab.
96	or/93-95
97	92 not 96
98	animals/ not humans/ use ppez
99	animal/ not human/ use emez
100	nonhuman/ use emez
101	exp Animals, Laboratory/ use ppez

EARLY SUBMISSION

#	Searches
102	exp Animal Experimentation/ use ppez
103	exp Animal Experiment/ use emez
104	exp Experimental Animal/ use emez
105	exp Models, Animal/ use ppez
106	animal model/ use emez
107	exp Rodentia/ use ppez
108	exp Rodent/ use emez
109	(rat or rats or mouse or mice).ti.
110	or/97-109
111	79 not 110
112	Meta-Analysis/
113	Meta-Analysis as Topic/
114	systematic review/
115	meta-analysis/
116	(meta analy* or metanaly* or metaanaly*).ti,ab.
117	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
118	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
119	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
120	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
121	(search* adj4 literature).ab.
122	(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.
123	cochrane.jw.
124	((pool* or combined) adj2 (data or trials or studies or results)).ab.
125	or/112-113,116,118-123 use ppez
126	or/114-117,119-124 use emez
127	or/125-126
128	clinical Trials as topic.sh. or (controlled clinical trial or pragmatic clinical trial or randomised controlled trial).pt. or (placebo or randomi#ed or randomly).ab. or trial.ti.
129	128 use ppez
130	(controlled clinical trial or pragmatic clinical trial or randomised controlled trial).pt. or drug therapy.fs. or (groups or placebo or randomi#ed or randomly or trial).ab.
131	130 use ppez
132	crossover procedure/ or double blind procedure/ or randomised controlled trial/ or single blind procedure/ or (assign* or allocat* or crossover* or cross over* or ((doubl* or singl*) adj blind*) or factorial* or placebo* or random* or volunteer*).ti,ab.
133	132 use emez
134	129 or 131
135	133 or 134
136	127 or 135
137	111 and 136
138	remove duplicates from 137

1 Observational studies

2 Date of initial search:15/11/2017

3 Database(s): Embase 1980 to 2017 Week 46, Ovid MEDLINE(R) Epub Ahead of Print, In-

4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

5 1946 to Present

6 Date of updated search: 06/06/2018

7 Database(s): Embase 1980 to 2018 Week 23, Ovid MEDLINE(R) Epub Ahead of Print, In-

8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.

EARLY SUBMISSION

#	Searches
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	Ductus Arteriosus, Patent/ use ppez
25	exp patent ductus arteriosus/ use emez
26	(patent ductus or persistent ductus or ductus arteriosus or PDA).tw.
27	or/24-26
28	23 and 27
29	drug therapy.fs.
30	surgery.fs.
31	29 or 30
32	Cyclooxygenase Inhibitors/ use ppez
33	prostaglandin synthase inhibitor/ use emez
34	Acetaminophen/ use ppez
35	paracetamol/ use emez
36	(paracetamol or acetaminophen or acetamidophen* or acetylamino phen* or panadol or tylenol).tw.
37	Anti-Inflammatory Agents, Non-Steroidal/ use ppez
38	nonsteroid antiinflammatory agent/ use emez
39	Ibuprofen/ use ppez
40	ibuprofen/ use emez
41	(ibuprofen* or ibuprophen or isobutylphenyl propionic acid or NSAID*).tw.
42	or/32-41
43	Fluid Therapy/ use ppez
44	fluid therapy/ use emez
45	Dehydration/ use ppez
46	dehydration/ use emez
47	or/43-46
48	((fluid* or water) adj3 (restrict* or balanc* or deplet* or depriv* or imbalanc* or intake* or loss or manag* or remov* or therap* or treatment*)) or (dehydrat* or dishydrat*).tw.
49	diuretic*.tw.
50	48 or (48 and 49)
51	Diuretics/ use ppez
52	diuretic agent/ use emez
53	51 or 52
54	47 and 53
55	Furosemide/ use ppez
56	furosemide/ use emez
57	(furosemid* or frusemide or furantral).tw.
58	or/55-57
59	Spirolactone/ and exp Chlorothiazide/ use ppez
60	spironolactone/ and chlorothiazide/ use emez
61	Furosemide/ and Canrenoic Acid/ use ppez
62	((spironolact?on* or acetylthiospirolactone) and (chlorothiazid* or mechlozid or uroflux)).tw.
63	furosemide/ and canrenoate potassium/ use emez
64	((furosemid* or frusemide or furantral) and ((potassium adj canrenoate) or (aldadiene adj kalium) or canrenoic acid)).tw.
65	or/59-64
66	Ligation/ use ppez
67	ductus arteriosus obliteration/ use emez

EARLY SUBMISSION

#	Searches
68	exp cardiovascular procedure/ use emez
69	exp Cardiac Catheterization/ use ppez
70	heart catheterization/ use emez
71	clip/ use emez
72	*Cardiovascular Surgical Procedures/ or *Cardiac Surgical Procedures/ use ppez
73	*cardiovascular surgery/ or *heart surgery/ use emez
74	(ligation* or catheter* or clip or clips* or closure or coil* or device* or intervention* or occlusion* or surgery or suture* or suturing or transcatheter* or trans-catheter*).tw.
75	or/66-74
76	31 or 42 or 47 or 50 or 54 or 58 or 65 or 75
77	28 and 76
78	limit 77 to english language
79	limit 78 to yr="1990 -Current"
80	Letter/ use ppez
81	letter.pt. or letter/ use emez
82	note.pt.
83	editorial.pt.
84	Editorial/ use ppez
85	News/ use ppez
86	exp Historical Article/ use ppez
87	Anecdotes as Topic/ use ppez
88	Comment/ use ppez
89	Case Report/ use ppez
90	case report/ or case study/ use emez
91	(letter or comment*).ti.
92	or/80-91
93	randomised controlled trial/ use ppez
94	randomised controlled trial/ use emez
95	random*.ti,ab.
96	or/93-95
97	92 not 96
98	animals/ not humans/ use ppez
99	animal/ not human/ use emez
100	nonhuman/ use emez
101	exp Animals, Laboratory/ use ppez
102	exp Animal Experimentation/ use ppez
103	exp Animal Experiment/ use emez
104	exp Experimental Animal/ use emez
105	exp Models, Animal/ use ppez
106	animal model/ use emez
107	exp Rodentia/ use ppez
108	exp Rodent/ use emez
109	(rat or rats or mouse or mice).ti.
110	or/97-109
111	79 not 110
112	Epidemiologic Studies/
113	Case Control Studies/
114	Retrospective Studies/
115	Cohort Studies/
116	Longitudinal Studies/
117	Follow-Up Studies/
118	Prospective Studies/
119	Cross-Sectional Studies/
120	or/112-119 use ppez
121	clinical study/
122	case control study/
123	family study/
124	longitudinal study/
125	retrospective study/
126	prospective study/
127	cohort analysis/
128	or/121-127 use emez
129	((retrospective\$ or cohort\$ or longitudinal or follow?up or prospective or cross section\$) adj3 (stud\$ or research or analys\$)).ti.
130	120 or 128 or 129

EARLY SUBMISSION

#	Searches
131	111 and 130
132	remove duplicates from 131

1 Health economics

2 Date of initial search:15/11/2017

3 Database(s): Embase 1980 to 2017 Week 46, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 05/06/2018

7 Database(s): Embase 1980 to 2018 Week 23, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	Ductus Arteriosus, Patent/ use ppez
25	exp patent ductus arteriosus/ use emez
26	(patent ductus or persistent ductus or ductus arteriosus or PDA).tw.
27	or/24-26
28	23 and 27
29	drug therapy.fs.
30	surgery.fs.
31	29 or 30
32	Cyclooxygenase Inhibitors/ use ppez
33	prostaglandin synthase inhibitor/ use emez
34	Acetaminophen/ use ppez
35	paracetamol/ use emez
36	(paracetamol or acetaminophen or acetamidophen* or acetylamino phen* or panadol or tylenol).tw.
37	Anti-Inflammatory Agents, Non-Steroidal/ use ppez
38	nonsteroid antiinflammatory agent/ use emez
39	Ibuprofen/ use ppez
40	ibuprofen/ use emez
41	(ibuprofen* or ibuprophen or isobutylphenyl propionic acid or NSAID*).tw.
42	or/32-41
43	Fluid Therapy/ use ppez
44	fluid therapy/ use emez

EARLY SUBMISSION

#	Searches
45	Dehydration/ use ppez
46	dehydration/ use emez
47	or/43-46
48	((fluid* or water) adj3 (restrict* or balanc* or deplet* or depriv* or imbalanc* or intake* or loss or manag* or remov* or therap* or treatment*)) or (dehydrat* or dishydrat*).tw.
49	diuretic*.tw.
50	48 or (48 and 49)
51	Diuretics/ use ppez
52	diuretic agent/ use emez
53	51 or 52
54	47 and 53
55	Furosemide/ use ppez
56	furosemide/ use emez
57	(furosemid* or frusemide or furantral).tw.
58	or/55-57
59	Spironolactone/ and exp Chlorothiazide/ use ppez
60	spironolactone/ and chlorothiazide/ use emez
61	Furosemide/ and Canrenoic Acid/ use ppez
62	((spironolacton* or acetylthiospirolactone) and (chlorothiazid* or mechlozid or uroflux)).tw.
63	furosemide/ and canrenoate potassium/ use emez
64	((furosemid* or frusemide or furantral) and ((potassium adj canrenoate) or (aldadiene adj kalium) or canrenoic acid)).tw.
65	or/59-64
66	Ligation/ use ppez
67	ductus arteriosus obliteration/ use emez
68	exp cardiovascular procedure/ use emez
69	exp Cardiac Catheterization/ use ppez
70	heart catheterization/ use emez
71	clip/ use emez
72	*Cardiovascular Surgical Procedures/ or *Cardiac Surgical Procedures/ use ppez
73	*cardiovascular surgery/ or *heart surgery/ use emez
74	(ligation* or catheter* or clip or clips* or closure or coil* or device* or intervention* or occlusion* or surgery or suture* or suturing or transcatheter* or trans-catheter*).tw.
75	or/66-74
76	31 or 42 or 47 or 50 or 54 or 58 or 65 or 75
77	28 and 76
78	limit 77 to english language
79	limit 78 to yr="1990 -Current"
80	Letter/ use ppez
81	letter.pt. or letter/ use emez
82	note.pt.
83	editorial.pt.
84	Editorial/ use ppez
85	News/ use ppez
86	exp Historical Article/ use ppez
87	Anecdotes as Topic/ use ppez
88	Comment/ use ppez
89	Case Report/ use ppez
90	case report/ or case study/ use emez
91	(letter or comment*).ti.
92	or/80-91
93	randomised controlled trial/ use ppez
94	randomised controlled trial/ use emez
95	random*.ti,ab.
96	or/93-95
97	92 not 96
98	animals/ not humans/ use ppez
99	animal/ not human/ use emez
100	nonhuman/ use emez
101	exp Animals, Laboratory/ use ppez
102	exp Animal Experimentation/ use ppez
103	exp Animal Experiment/ use emez
104	exp Experimental Animal/ use emez
105	exp Models, Animal/ use ppez
106	animal model/ use emez

EARLY SUBMISSION

#	Searches
107	exp Rodentia/ use ppez
108	exp Rodent/ use emez
109	(rat or rats or mouse or mice).ti.
110	or/97-109
111	79 not 110
112	Economics/
113	Value of life/
114	exp "Costs and Cost Analysis"/
115	exp Economics, Hospital/
116	exp Economics, Medical/
117	Economics, Nursing/
118	Economics, Pharmaceutical/
119	exp "Fees and Charges"/
120	exp Budgets/
121	or/112-120 use ppez
122	health economics/
123	exp economic evaluation/
124	exp health care cost/
125	exp fee/
126	budget/
127	funding/
128	or/122-127 use emez
129	budget*.ti,ab.
130	cost*.ti.
131	(economic* or pharmaco?economic*).ti.
132	(price* or pricing*).ti,ab.
133	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
134	(financ* or fee or fees).ti,ab.
135	(value adj2 (money or monetary)).ti,ab.
136	or/129-134
137	121 or 128 or 136
138	111 and 137
139	remove duplicates from 138

1 Systematic reviews, RCTs, health economics

2 Date of initial search: 15/11/2017

3 Database: The Cochrane Library, issue 11 of 12, November 2017

4 Date of updated search: 05/06/2018

5 Database: The Cochrane Library, issue 6 of 12, June 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies)
#3	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1)
#4	(low near birth near weigh*)
#5	MeSH descriptor: [Intensive Care, Neonatal] this term only
#6	MeSH descriptor: [Intensive Care Units, Neonatal] this term only
#7	(special and care and baby and unit*)
#8	((newborn or neonatal or neo-natal) near (ICU*1 or unit*))
#9	(SCBU or NICU)
#10	{or #1-#9}
#11	MeSH descriptor: [Ductus Arteriosus, Patent] this term only
#12	(patent ductus or persistent ductus or ductus arteriosus or PDA)
#13	#11 or #12
#14	#10 and #13
#15	MeSH descriptor: [Cyclooxygenase Inhibitors] explode all trees
#16	MeSH descriptor: [Acetaminophen] this term only
#17	MeSH descriptor: [Ibuprofen] this term only
#18	MeSH descriptor: [Anti-Inflammatory Agents, Non-Steroidal] this term only
#19	(paracetamol or acetaminophen or acetamidophen* or acetylaminophen* or panadol or tylenol)

EARLY SUBMISSION

ID	Search
#20	(ibuprofen* or ibuprophen or isobutylphenyl propionic acid or NSAID*)
#21	{or #15-#20}
#22	MeSH descriptor: [Fluid Therapy] explode all trees
#23	MeSH descriptor: [Dehydration] this term only
#24	#22 or #23
#25	MeSH descriptor: [Diuretics] this term only
#26	#24 and #25
#27	{or #24-#26}
#28	((fluid* or water) N3 ((restrict* or balanc* or deplet* or depriv* or imbalanc* or intake* or loss or manag* or remov* or therap* or treatment*)))
#29	(dehydrat* or dishydrat*)
#30	#28 or #29
#31	diuretic*
#32	#30 and #31
#33	{or #30-#32}
#34	MeSH descriptor: [Furosemide] this term only
#35	(furosemid* or frusemide or furantral)
#36	#34 or #35
#37	MeSH descriptor: [Spironolactone] this term only
#38	MeSH descriptor: [Chlorothiazide] explode all trees
#39	#37 and #38
#40	MeSH descriptor: [Furosemide] this term only
#41	MeSH descriptor: [Canrenoic Acid] explode all trees
#42	#40 and #41
#43	((spironolacton* or acetylthiospirolactone) and (chlorothiazid* or mechlozid or uroflux))
#44	((furosemid* or frusemide or furantral) and ((potassium adj canrenoate) or (aldadiene N2 kalium) or canrenoic acid))
#45	#43 or #44
#46	MeSH descriptor: [Ligation] this term only
#47	MeSH descriptor: [Cardiac Catheterization] explode all trees
#48	MeSH descriptor: [Cardiovascular Surgical Procedures] this term only
#49	MeSH descriptor: [Cardiac Surgical Procedures] this term only
#50	(ligation* or catheter* or clip or clips* or closure or coil* or device* or intervention* or occlusion* or surgery or suture* or suturing or transcatheter* or trans-catheter*)
#51	{or #46-#50}
#52	{or #21, #27, #33, #36, #39, #42, #45, #51}
#53	#14 and #52 Publication Year from 1990 to 2017

D. Monitoring

Literature search strategies for question 4.1 What oxygen levels are optimal in the management of preterm babies?

Systematic reviews and RCTs

5 Date of initial search: 06/12/2017

6 Database(s): Embase 1980 to 2017 Week 49, Ovid MEDLINE(R) Epub Ahead of Print, In-
7 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
8 1946 to Present

9 Date of updated search: 05/06/2018

10 Database: Database(s): Embase 1980 to 2018 Week 23, Ovid MEDLINE(R) Epub Ahead of
11 Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid
12 MEDLINE(R) 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez

EARLY SUBMISSION

#	Searches
4	(infan* or neonat* or neo-nat*newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	*oxygen/ae, ad, an, cr, do, to
25	oxygen blood level/
26	oxygen therapy/ad, ae, do
27	oxygen desaturation/
28	exp oximetry/
29	hypoxia/ or newborn hypoxia/
30	hyperoxia/
31	(or/24-30) use emez
32	*Oxygen/ad, ae, an, bl, to
33	Oxygen Inhalation Therapy/ad, ae, bl, to
34	exp Oximetry/
35	Hypoxia/
36	Hyperoxia/
37	(or/32-36) use ppez
38	31 or 37
39	((oxygen or o2 or spO2) adj2 (level* or saturat* or titrat* or overdos* or toxic* or balanc* or target* or high* or low*)).tw.
40	(hypoxi* or hyperoxi*).tw.
41	or/38-40
42	23 and 41
43	limit 42 to english language
44	limit 43 to yr="1990 -Current"
45	Letter/ use ppez
46	letter.pt. or letter/ use emez
47	note.pt.
48	editorial.pt.
49	Editorial/ use ppez
50	News/ use ppez
51	exp Historical Article/ use ppez
52	Anecdotes as Topic/ use ppez
53	Comment/ use ppez
54	Case Report/ use ppez
55	case report/ or case study/ use emez
56	(letter or comment*).ti.
57	or/45-56
58	randomized controlled trial/ use ppez
59	randomized controlled trial/ use emez
60	random*.ti,ab.
61	or/58-60
62	57 not 61
63	animals/ not humans/ use ppez
64	animal/ not human/ use emez
65	nonhuman/ use emez
66	exp Animals, Laboratory/ use ppez

EARLY SUBMISSION

#	Searches
67	exp Animal Experimentation/ use ppez
68	exp Animal Experiment/ use emez
69	exp Experimental Animal/ use emez
70	exp Models, Animal/ use ppez
71	animal model/ use emez
72	exp Rodentia/ use ppez
73	exp Rodent/ use emez
74	(rat or rats or mouse or mice).ti.
75	or/62-74
76	44 not 75
77	Meta-Analysis/
78	Meta-Analysis as Topic/
79	systematic review/
80	meta-analysis/
81	(meta analy* or metanaly* or metaanaly*).ti,ab.
82	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
83	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
84	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
85	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
86	(search* adj4 literature).ab.
87	(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.
88	cochrane.jw.
89	((pool* or combined) adj2 (data or trials or studies or results)).ab.
90	(or/77-78,81,83-88) use ppez
91	[or/186-189,191-196 use emez]
92	or/90-91
93	clinical Trials as topic.sh. or (controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or (placebo or randomi#ed or randomly).ab. or trial.ti.
94	93 use ppez
95	(controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or drug therapy.fs. or (groups or placebo or randomi#ed or randomly or trial).ab.
96	95 use ppez
97	crossover procedure/ or double blind procedure/ or randomized controlled trial/ or single blind procedure/ or (assign* or allocat* or crossover* or cross over* or ((doubl* or singl*) adj blind*) or factorial* or placebo* or random* or volunteer*).ti,ab.
98	97 use emez
99	94 or 96
100	98 or 99
101	92 or 100
102	76 and 101
103	remove duplicates from 102

Observational studies

2 Date of initial search: 06/12/2017

3 Database(s): Embase 1980 to 2017 Week 49, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 05/06/2018

7 Database(s): Embase 1980 to 2018 Week 23, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.

EARLY SUBMISSION

#	Searches
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	or/1-17
19	*oxygen/
20	oxygen blood level/
21	oxygen therapy/ad, ae, do
22	oxygen desaturation/
23	exp oximetry/
24	hypoxia/ or newborn hypoxia/
25	hyperoxia/
26	or/19-25 use emez
27	*Oxygen/
28	Oxygen Inhalation Therapy/ad, ae, bl
29	exp Oximetry/
30	Hypoxia/
31	Hyperoxia/
32	or/27-31 use ppez
33	26 or 32
34	((oxygen or o2 or spo2) adj2 (level* or saturat* or titrat* or overdos* or toxic* or balanc* or target* or high* or low*)).tw.
35	(hypoxi* or hyperoxi*).tw.
36	or/33-35
37	18 and 36
38	limit 37 to english language
39	limit 38 to yr="1990 -Current"
40	Letter/ use ppez
41	letter.pt. or letter/ use emez
42	note.pt.
43	editorial.pt.
44	Editorial/ use ppez
45	News/ use ppez
46	exp Historical Article/ use ppez
47	Anecdotes as Topic/ use ppez
48	Comment/ use ppez
49	Case Report/ use ppez
50	case report/ or case study/ use emez
51	(letter or comment*).ti.
52	or/40-51
53	randomized controlled trial/ use ppez
54	randomized controlled trial/ use emez
55	random*.ti,ab.
56	or/53-55
57	52 not 56
58	animals/ not humans/ use ppez
59	animal/ not human/ use emez
60	nonhuman/ use emez
61	exp Animals, Laboratory/ use ppez
62	exp Animal Experimentation/ use ppez
63	exp Animal Experiment/ use emez
64	exp Experimental Animal/ use emez
65	exp Models, Animal/ use ppez
66	animal model/ use emez
67	exp Rodentia/ use ppez
68	exp Rodent/ use emez
69	(rat or rats or mouse or mice).ti.

EARLY SUBMISSION

#	Searches
70	or/57-69
71	39 not 70
72	Epidemiologic Studies/
73	Case Control Studies/
74	Retrospective Studies/
75	Cohort Studies/
76	Longitudinal Studies/
77	Follow-Up Studies/
78	Prospective Studies/
79	Cross-Sectional Studies/
80	or/72-79 use ppez
81	clinical study/
82	case control study/
83	family study/
84	longitudinal study/
85	retrospective study/
86	prospective study/
87	cohort analysis/
88	or/81-87 use emez
89	((retrospective\$ or cohort\$ or longitudinal or follow?up or prospective or cross section\$) adj3 (stud\$ or research or analys\$)).ti.
90	80 or 88 or 89
91	71 and 90
92	remove duplicates from 91

Health economics

2 Date of initial search: 06/12/2017

3 Database(s): Embase 1980 to 2017 Week 49, Ovid MEDLINE(R) Epub Ahead of Print, In-

4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

5 1946 to Present

6 Date of updated search: 05/06/2018

7 Database(s): Embase 1980 to 2018 Week 23, Ovid MEDLINE(R) Epub Ahead of Print, In-

8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	or/1-17
19	*oxygen/
20	oxygen blood level/
21	oxygen therapy/ad, ae, do
22	oxygen desaturation/
23	exp oximetry/

EARLY SUBMISSION

#	Searches
24	hypoxia/ or newborn hypoxia/
25	hyperoxia/
26	or/19-25 use emez
27	*Oxygen/
28	Oxygen Inhalation Therapy/ad, ae, bl
29	exp Oximetry/
30	Hypoxia/
31	Hyperoxia/
32	or/27-31 use ppez
33	26 or 32
34	((oxygen or o2 or spo2) adj2 (level* or saturat* or titrat* or overdos* or toxic* or balanc* or target* or high* or low*)).tw.
35	(hypoxi* or hyperoxi*).tw.
36	or/33-35
37	18 and 36
38	limit 37 to english language
39	limit 38 to yr="1990 -Current"
40	Letter/ use ppez
41	letter.pt. or letter/ use emez
42	note.pt.
43	editorial.pt.
44	Editorial/ use ppez
45	News/ use ppez
46	exp Historical Article/ use ppez
47	Anecdotes as Topic/ use ppez
48	Comment/ use ppez
49	Case Report/ use ppez
50	case report/ or case study/ use emez
51	(letter or comment*).ti.
52	or/40-51
53	randomized controlled trial/ use ppez
54	randomized controlled trial/ use emez
55	random*.ti,ab.
56	or/53-55
57	52 not 56
58	animals/ not humans/ use ppez
59	animal/ not human/ use emez
60	nonhuman/ use emez
61	exp Animals, Laboratory/ use ppez
62	exp Animal Experimentation/ use ppez
63	exp Animal Experiment/ use emez
64	exp Experimental Animal/ use emez
65	exp Models, Animal/ use ppez
66	animal model/ use emez
67	exp Rodentia/ use ppez
68	exp Rodent/ use emez
69	(rat or rats or mouse or mice).ti.
70	or/57-69
71	39 not 70
72	Economics/
73	Value of life/
74	exp "Costs and Cost Analysis"/
75	exp Economics, Hospital/
76	exp Economics, Medical/
77	Economics, Nursing/
78	Economics, Pharmaceutical/
79	exp "Fees and Charges"/
80	exp Budgets/
81	or/72-80 use ppez
82	health economics/
83	exp economic evaluation/
84	exp health care cost/
85	exp fee/
86	budget/
87	funding/

EARLY SUBMISSION

#	Searches
88	or/82-87 use emez
89	budget*.ti,ab.
90	cost*.ti.
91	(economic* or pharmaco?economic*).ti.
92	(price* or pricing*).ti,ab.
93	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
94	(financ* or fee or fees).ti,ab.
95	(value adj2 (money or monetary)).ti,ab.
96	or/89-94
97	81 or 88 or 96
98	71 and 97
99	remove duplicates from 98

Systematic reviews, RCTs, health economics

2 Date of initial search: 06/12/2017

3 Database: The Cochrane Library, issue 12 of 12, December 2017

4 Date of updated search: 05/06/2018

5 Database: The Cochrane Library, issue 6 of 12, June 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies)
#3	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1)
#4	(low near birth near weigh*)
#5	MeSH descriptor: [Intensive Care, Neonatal] this term only
#6	MeSH descriptor: [Intensive Care Units, Neonatal] this term only
#7	(special and care and baby and unit*)
#8	((newborn or neonatal or neo-natal) near (ICU*1 or unit*))
#9	(SCBU or NICU)
#10	{or #1-#9}
#11	MeSH descriptor: [Oxygen] this term only
#12	MeSH descriptor: [Oxygen Inhalation Therapy] this term only
#13	MeSH descriptor: [Oximetry] explode all trees
#14	MeSH descriptor: [Hypoxia] this term only
#15	MeSH descriptor: [Hyperoxia] this term only
#16	((oxygen or o2 or spo2) N2 (level* or saturat* or titrat* or overdos* or toxic* or balanc* or target* or high* or low*))
#17	{or #11-#16}
#18	#10 and #17 Publication Year from 1990 to 2017

Literature search strategies for question 4.2 What is the best method for measuring oxygen levels in diagnosing hyperoxia or hypoxia in preterm babies?

9 Date of initial search: 17/01/2018

10 Database(s): Embase Classic+Embase 1947 to 2018 January 16, Ovid MEDLINE(R) Epub

11 Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid

12 MEDLINE(R) 1946 to Present

13 Date of updated search: 12/06/2018

14 Database(s): Embase Classic & Embase 1947 to 2018 June 11, Ovid MEDLINE(R) Epub

15 Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid

16 MEDLINE(R) 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez

EARLY SUBMISSION

#	Searches
2	newborn/ use emczd
3	prematurity/ use emczd
4	(infan* or neonat* or neo-nat*newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emczd
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emczd
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emczd
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emczd
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emczd
17	newborn care/ use emczd
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	hypoxia/ use emczd
25	newborn hypoxia/ use emczd
26	hyperoxia/ use emczd
27	Hypoxia/ use ppez
28	hyperoxia/ use ppez
29	(hypox* or anox* or hyperox*).tw.
30	((oxygen* or o2) adj3 (deficien* or asphyx* or low or lower or depriv* or insufficien*).tw.
31	((oxygen* or o2) adj3 (excess* or high* or increas* or "too much" or optim* or concentrat*).tw.
32	or/24-31
33	oxygen/ use emczd
34	physiologic monitoring/
35	diagnosis/
36	diagnostic accuracy/
37	dose response/
38	blood analysis/
39	(or/34-38) use emczd
40	33 and 39
41	hypoxia/di or newborn hypoxia/di
42	hyperoxia/di
43	oxygen blood level/
44	oxyhemoglobin/an
45	oxygen desaturation/
46	arterial oxygen saturation/
47	oxygen saturation/
48	exp oximetry/
49	oxygen analyzer/
50	oximeter/
51	pulse oximeter/
52	cutaneous oxygen monitor/
53	(or/41-52) use emczd
54	40 or 53
55	Oxygen/ use ppez
56	Monitoring, Physiologic/
57	Diagnosis/
58	"Diagnostic Techniques and Procedures"/
59	Dose-Response Relationship, Drug/
60	(or/56-59) use ppez
61	55 and 60
62	Hypoxia/di
63	Hyperoxia/di
64	exp Oximetry/
65	Oxyhemoglobins/an

EARLY SUBMISSION

#	Searches
66	Oxygen/an
67	(or/62-66) use ppez
68	61 or 67
69	((oxygen* or o2 or spo2 or tcpo2 or pao2 or blood gas) adj3 (level* or measur* or monitor* or test* or oximetr* or caprometr* or determin* or analy* or titrat*)).tw.
70	((hypox* or hyperox*) adj3 (diagnos* or level* or measur* or monitor* or determin* or test* or detect*)).tw.
71	(oximeter* or oxymeter*).tw.
72	or/54,68-71
73	23 and 32 and 72
74	limit 73 to english language
75	Letter/ use ppez
76	letter.pt. or letter/ use emczd
77	note.pt.
78	editorial.pt.
79	Editorial/ use ppez
80	News/ use ppez
81	exp Historical Article/ use ppez
82	Anecdotes as Topic/ use ppez
83	Comment/ use ppez
84	Case Report/ use ppez
85	case report/ or case study/ use emczd
86	(letter or comment*).ti.
87	or/75-86
88	randomized controlled trial/ use ppez
89	randomized controlled trial/ use emczd
90	random*.ti,ab.
91	or/88-90
92	87 not 91
93	animals/ not humans/ use ppez
94	animal/ not human/ use emczd
95	nonhuman/ use emczd
96	exp Animals, Laboratory/ use ppez
97	exp Animal Experimentation/ use ppez
98	exp Animal Experiment/ use emczd
99	exp Experimental Animal/ use emczd
100	exp Models, Animal/ use ppez
101	animal model/ use emczd
102	exp Rodentia/ use ppez
103	exp Rodent/ use emczd
104	(rat or rats or mouse or mice).ti.
105	or/92-104
106	74 not 105
107	remove duplicates from 106

Health economics

2 Date of initial search: 18/01/2018

3 Database(s): Embase Classic+Embase 1947 to 2018 January 16, Ovid MEDLINE(R) Epub
4 Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid
5 MEDLINE(R) 1946 to Present

6 Date of updated search: 13/06/2018

7 Database(s): Embase Classic & Embase 1947 to 2018 June 11, Ovid MEDLINE(R) Epub
8 Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid
9 MEDLINE(R) 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emczd
3	prematurity/ use emczd
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.

EARLY SUBMISSION

#	Searches
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emczd
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emczd
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emczd
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emczd
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emczd
17	newborn care/ use emczd
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	hypoxia/ use emczd
25	newborn hypoxia/ use emczd
26	hyperoxia/ use emczd
27	Hypoxia/ use ppez
28	hyperoxia/ use ppez
29	(hypox* or anox* or hyperox*).tw.
30	((oxygen* or o2) adj3 (deficien* or asphyx* or low or lower or depriv* or insufficien*)).tw.
31	((oxygen* or o2) adj3 (excess* or high* or increas* or "too much" or optim* or concentrat*)).tw.
32	or/24-31
33	oxygen/ use emczd
34	physiologic monitoring/
35	diagnosis/
36	diagnostic accuracy/
37	dose response/
38	blood analysis/
39	or/34-38 use emczd
40	33 and 39
41	hypoxia/di or newborn hypoxia/di
42	hyperoxia/di
43	oxygen blood level/
44	oxyhemoglobin/an
45	oxygen desaturation/
46	arterial oxygen saturation/
47	oxygen saturation/
48	exp oximetry/
49	oxygen analyzer/
50	oximeter/
51	pulse oximeter/
52	cutaneous oxygen monitor/
53	or/41-52 use emczd
54	40 or 53
55	Oxygen/ use ppez
56	Monitoring, Physiologic/
57	Diagnosis/
58	"Diagnostic Techniques and Procedures"/
59	Dose-Response Relationship, Drug/
60	or/56-59 use ppez
61	55 and 60
62	Hypoxia/di
63	Hyperoxia/di
64	exp Oximetry/
65	Oxyhemoglobins/an
66	Oxygen/an
67	or/62-66 use ppez
68	61 or 67

EARLY SUBMISSION

#	Searches
69	((oxygen* or o2 or spo2 or tcpo2 or pao2 or blood gas) adj3 (level* or measur* or monitor* or test* or oximetr* or caprometr* or determin* or analy* or titrat*)).tw.
70	((hypox* or hyperox*) adj3 (diagnos* or level* or measur* or monitor* or determin* or test* or detect*)).tw.
71	(oximeter* or oxymeter*).tw.
72	or/54,68-71
73	23 and 32 and 72
74	limit 73 to english language
75	Letter/ use ppez
76	letter.pt. or letter/ use emczd
77	note.pt.
78	editorial.pt.
79	Editorial/ use ppez
80	News/ use ppez
81	exp Historical Article/ use ppez
82	Anecdotes as Topic/ use ppez
83	Comment/ use ppez
84	Case Report/ use ppez
85	case report/ or case study/ use emczd
86	(letter or comment*).ti.
87	or/75-86
88	randomized controlled trial/ use ppez
89	randomized controlled trial/ use emczd
90	random*.ti,ab.
91	or/88-90
92	87 not 91
93	animals/ not humans/ use ppez
94	animal/ not human/ use emczd
95	nonhuman/ use emczd
96	exp Animals, Laboratory/ use ppez
97	exp Animal Experimentation/ use ppez
98	exp Animal Experiment/ use emczd
99	exp Experimental Animal/ use emczd
100	exp Models, Animal/ use ppez
101	animal model/ use emczd
102	exp Rodentia/ use ppez
103	exp Rodent/ use emczd
104	(rat or rats or mouse or mice).ti.
105	or/92-104
106	74 not 105
107	remove duplicates from 106
108	Economics/
109	Value of life/
110	exp "Costs and Cost Analysis"/
111	exp Economics, Hospital/
112	exp Economics, Medical/
113	Economics, Nursing/
114	Economics, Pharmaceutical/
115	exp "Fees and Charges"/
116	exp Budgets/
117	or/108-116 use ppez
118	health economics/
119	exp economic evaluation/
120	exp health care cost/
121	exp fee/
122	budget/
123	funding/
124	or/118-123 use emczd
125	budget*.ti,ab.
126	cost*.ti.
127	(economic* or pharmaco?economic*).ti.
128	(price* or pricing*).ti,ab.
129	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
130	(financ* or fee or fees).ti,ab.
131	(value adj2 (money or monetary)).ti,ab.
132	or/125-130

EARLY SUBMISSION

#	Searches
133	117 or 124 or 132
134	107 and 133

Cochrane Library

- 2 Date of initial search: 17/01/2018
- 3 Database: Cochrane Library, issue 1 of 12, January 2018
- 4 Date of updated search: 13/06/2018
- 5 Database: Cochrane Library, issue 6 of 12, June 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies)
#3	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1)
#4	(low near birth near weigh*)
#5	MeSH descriptor: [Intensive Care, Neonatal] this term only
#6	MeSH descriptor: [Intensive Care Units, Neonatal] this term only
#7	(special and care and baby and unit*)
#8	((newborn or neonatal or neo-natal) near (ICU*1 or unit*))
#9	(SCBU or NICU)
#10	{or #1-#9}
#11	MeSH descriptor: [Hypoxia] this term only
#12	MeSH descriptor: [Hyperoxia] this term only
#13	(hypox* or anox* or hyperox*)
#14	((oxygen* or o2) near/3 (deficien* or asphyx* or low or lower or depriv* or insufficien*))
#15	((oxygen* or o2) near/3 (excess* or high* or increas* or "too much" or optim* or concentrat*))
#16	{or #11-#15}
#17	#10 and #16
#18	MeSH descriptor: [Oxygen] this term only
#19	MeSH descriptor: [Monitoring, Physiologic] this term only
#20	MeSH descriptor: [Diagnosis] this term only
#21	MeSH descriptor: [Diagnostic Techniques and Procedures] this term only
#22	MeSH descriptor: [Dose-Response Relationship, Drug] this term only
#23	{or #19-#22}
#24	#18 and #23
#25	MeSH descriptor: [Hypoxia] this term only and with qualifier(s): [Diagnosis - DI]
#26	MeSH descriptor: [Hyperoxia] this term only and with qualifier(s): [Diagnosis - DI]
#27	MeSH descriptor: [Oximetry] explode all trees
#28	MeSH descriptor: [Oxygen] this term only and with qualifier(s): [Analysis - AN]
#29	{or #24-#28}
#30	((oxygen* or o2 or spo2 or tcpo2 or pao2 or blood gas) near/3 (level* or measur* or monitor* or test* or oximetr* or caprometr* or determin* or analy* or titrat*))
#31	((hypox* or hyperox*) near/3 (diagnos* or level* or measur* or monitor* or determin* or test*))
#32	(oximeter* or oxymeter*)
#33	#29 or #30
#34	#17 and #33

Literature search strategies for question 4.3 What carbon dioxide levels are optimal in the management of preterm babies?

Systematic reviews and RCTs

- 9 Date of initial search: 20/12/2017
- 10 Database(s): Embase 1980 to 2017 Week 51, Ovid MEDLINE(R) Epub Ahead of Print, In-
- 11 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
- 12 1946 to Present

EARLY SUBMISSION

- 1 Date of updated search: 12/06/2018
- 2 Database(s): Embase Classic & Embase 1947 to 2018 June 11, Ovid MEDLINE(R) Epub
- 3 Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid
- 4 MEDLINE(R) 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	carbon dioxide/
25	carbon dioxide blood level/
26	exp capnometry/
27	hypercapnia/
28	hypocapnia/
29	or/24-28 use emez
30	Carbon Dioxide/
31	Blood Gas Monitoring, Transcutaneous/
32	Capnography/
33	Hypercapnia/
34	Hypocapnia/
35	or/30-34 use ppez
36	29 or 35
37	((carbon and dioxide) or (carbon dioxide or co2)).tw.
38	(capnomet* or capnogra*).tw.
39	(hypercapn* or hypocapn*).tw.
40	or/36-39
41	23 and 40
42	limit 41 to english language
43	limit 42 to yr="1990 -Current"
44	Letter/ use ppez
45	letter.pt. or letter/ use emez
46	note.pt.
47	editorial.pt.
48	Editorial/ use ppez
49	News/ use ppez
50	exp Historical Article/ use ppez
51	Anecdotes as Topic/ use ppez
52	Comment/ use ppez
53	Case Report/ use ppez
54	case report/ or case study/ use emez
55	(letter or comment*).ti.
56	or/44-55
57	randomized controlled trial/ use ppez
58	randomized controlled trial/ use emez

EARLY SUBMISSION

#	Searches
59	random*.ti,ab.
60	or/57-59
61	56 not 60
62	animals/ not humans/ use ppez
63	animal/ not human/ use emez
64	nonhuman/ use emez
65	exp Animals, Laboratory/ use ppez
66	exp Animal Experimentation/ use ppez
67	exp Animal Experiment/ use emez
68	exp Experimental Animal/ use emez
69	exp Models, Animal/ use ppez
70	animal model/ use emez
71	exp Rodentia/ use ppez
72	exp Rodent/ use emez
73	(rat or rats or mouse or mice).ti.
74	or/61-73
75	43 not 74
76	remove duplicates from 75
77	Meta-Analysis/
78	Meta-Analysis as Topic/
79	systematic review/
80	meta-analysis/
81	(meta analy* or metanaly* or metaanaly*).ti,ab.
82	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
83	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
84	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
85	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
86	(search* adj4 literature).ab.
87	(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.
88	cochrane.jw.
89	((pool* or combined) adj2 (data or trials or studies or results)).ab.
90	or/77-78,81,83-88 use ppez
91	or/79-82,84-89 use emez
92	or/90-91
93	clinical Trials as topic.sh. or (controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or (placebo or randomi#ed or randomly).ab. or trial.ti.
94	93 use ppez
95	(controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or drug therapy.fs. or (groups or placebo or randomi#ed or randomly or trial).ab.
96	95 use ppez
97	crossover procedure/ or double blind procedure/ or randomized controlled trial/ or single blind procedure/ or (assign* or allocat* or crossover* or cross over* or ((doubl* or singl*) adj blind*) or factorial* or placebo* or random* or volunteer*).ti,ab.
98	97 use emez
99	94 or 96
100	98 or 99
101	92 or 100
102	76 and 101

Observational studies

2 Date of initial search: 20/12/2017

3 Database(s): Embase 1980 to 2017 Week 51, Ovid MEDLINE(R) Epub Ahead of Print, In-
 4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
 5 1946 to Present

6 Date of updated search: 13/06/2018

EARLY SUBMISSION

- 1 Database(s): Embase Classic & Embase 1947 to 2018 June 12, Ovid MEDLINE(R) Epub
- 2 Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid
- 3 MEDLINE(R) 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	carbon dioxide/
25	carbon dioxide blood level/
26	exp capnometry/
27	hypercapnia/
28	hypocapnia/
29	or/24-28 use emez
30	Carbon Dioxide/
31	Blood Gas Monitoring, Transcutaneous/
32	Capnography/
33	Hypercapnia/
34	Hypocapnia/
35	or/30-34 use ppez
36	29 or 35
37	((carbon and dioxide) or (carbon dioxide or co2)).tw.
38	(capnomet* or capnogra*).tw.
39	(hypercapn* or hypocapn*).tw.
40	or/36-39
41	23 and 40
42	limit 41 to english language
43	limit 42 to yr="1990 -Current"
44	Letter/ use ppez
45	letter.pt. or letter/ use emez
46	note.pt.
47	editorial.pt.
48	Editorial/ use ppez
49	News/ use ppez
50	exp Historical Article/ use ppez
51	Anecdotes as Topic/ use ppez
52	Comment/ use ppez
53	Case Report/ use ppez
54	case report/ or case study/ use emez
55	(letter or comment*).ti.
56	or/44-55
57	randomized controlled trial/ use ppez
58	randomized controlled trial/ use emez
59	random*.ti,ab.
60	or/57-59

EARLY SUBMISSION

#	Searches
61	56 not 60
62	animals/ not humans/ use ppez
63	animal/ not human/ use emez
64	nonhuman/ use emez
65	exp Animals, Laboratory/ use ppez
66	exp Animal Experimentation/ use ppez
67	exp Animal Experiment/ use emez
68	exp Experimental Animal/ use emez
69	exp Models, Animal/ use ppez
70	animal model/ use emez
71	exp Rodentia/ use ppez
72	exp Rodent/ use emez
73	(rat or rats or mouse or mice).ti.
74	or/61-73
75	43 not 74
76	remove duplicates from 75
77	Epidemiologic Studies/
78	Case Control Studies/
79	Retrospective Studies/
80	Cohort Studies/
81	Longitudinal Studies/
82	Follow-Up Studies/
83	Prospective Studies/
84	Cross-Sectional Studies/
85	or/77-84 use ppez
86	clinical study/
87	case control study/
88	family study/
89	longitudinal study/
90	retrospective study/
91	prospective study/
92	cohort analysis/
93	or/86-92 use emez
94	((retrospective\$ or cohort\$ or longitudinal or follow?up or prospective or cross section\$) adj3 (stud\$ or research or analys\$)).ti.
95	85 or 93 or 94
96	76 and 95

Health economics

2 Date of initial search: 20/12/2017

3 Database(s): Embase 1980 to 2017 Week 51, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 13/06/2018

7 Database(s): Embase Classic & Embase 1947 to 2018 June 12, Ovid MEDLINE(R) Epub
8 Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid
9 MEDLINE(R) 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez

EARLY SUBMISSION

#	Searches
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	carbon dioxide/
25	carbon dioxide blood level/
26	exp capnometry/
27	hypercapnia/
28	hypocapnia/
29	or/24-28 use emez
30	Carbon Dioxide/
31	Blood Gas Monitoring, Transcutaneous/
32	Capnography/
33	Hypercapnia/
34	Hypocapnia/
35	or/30-34 use ppez
36	29 or 35
37	((carbon and dioxide) or (carbon dioxide or co2)).tw.
38	(capnomet* or capnogra*).tw.
39	(hypercapn* or hypocapn*).tw.
40	or/36-39
41	23 and 40
42	limit 41 to english language
43	limit 42 to yr="1990 -Current"
44	Letter/ use ppez
45	letter.pt. or letter/ use emez
46	note.pt.
47	editorial.pt.
48	Editorial/ use ppez
49	News/ use ppez
50	exp Historical Article/ use ppez
51	Anecdotes as Topic/ use ppez
52	Comment/ use ppez
53	Case Report/ use ppez
54	case report/ or case study/ use emez
55	(letter or comment*).ti.
56	or/44-55
57	randomized controlled trial/ use ppez
58	randomized controlled trial/ use emez
59	random*.ti,ab.
60	or/57-59
61	56 not 60
62	animals/ not humans/ use ppez
63	animal/ not human/ use emez
64	nonhuman/ use emez
65	exp Animals, Laboratory/ use ppez
66	exp Animal Experimentation/ use ppez
67	exp Animal Experiment/ use emez
68	exp Experimental Animal/ use emez
69	exp Models, Animal/ use ppez
70	animal model/ use emez
71	exp Rodentia/ use ppez
72	exp Rodent/ use emez
73	(rat or rats or mouse or mice).ti.
74	or/61-73

EARLY SUBMISSION

#	Searches
75	43 not 74
76	remove duplicates from 75
77	Economics/
78	Value of life/
79	exp "Costs and Cost Analysis"/
80	exp Economics, Hospital/
81	exp Economics, Medical/
82	Economics, Nursing/
83	Economics, Pharmaceutical/
84	exp "Fees and Charges"/
85	exp Budgets/
86	or/77-85 use ppez
87	health economics/
88	exp economic evaluation/
89	exp health care cost/
90	exp fee/
91	budget/
92	funding/
93	or/87-92 use emez
94	budget*.ti,ab.
95	cost*.ti.
96	(economic* or pharmaco?economic*).ti.
97	(price* or pricing*).ti,ab.
98	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
99	(financ* or fee or fees).ti,ab.
100	(value adj2 (money or monetary)).ti,ab.
101	or/94-99
102	86 or 93 or 101
103	76 and 102

Systematic reviews, RCTs, health economics

2 Date of initial search: 20/12/2017

3 Database: The Cochrane Library, issue 12 of 12, December 2017

4 Date of updated search: 13/06/2018

5 Database: The Cochrane Library, issue 6 of 12, June 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies)
#3	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1)
#4	(low near birth near weigh*)
#5	MeSH descriptor: [Intensive Care, Neonatal] this term only
#6	MeSH descriptor: [Intensive Care Units, Neonatal] this term only
#7	(special and care and baby and unit*)
#8	((newborn or neonatal or neo-natal) near (ICU*1 or unit*))
#9	(SCBU or NICU)
#10	{or #1-#9}
#11	MeSH descriptor: [Carbon Dioxide] this term only
#12	MeSH descriptor: [Blood Gas Monitoring, Transcutaneous] this term only
#13	MeSH descriptor: [Capnography] this term only
#14	MeSH descriptor: [Hypercapnia] this term only
#15	MeSH descriptor: [Hypocapnia] this term only
#16	(carbon dioxide or co2 or hypercapn* or hypocapn*)
#17	{or #11-#16}
#18	#10 and #17 Publication Year from 1990 to 2017

6

EARLY SUBMISSION

Literature search strategies for question 4.4 What blood pressure monitoring strategies are associated with improved outcomes in preterm babies requiring respiratory support?

4 Date of initial search: 20/03/2018

5 Database(s): Embase 1980 to 2017 Week 51, Ovid MEDLINE(R) Epub Ahead of Print, In-
6 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
7 1946 to Present

8 Date of updated search: 12/06/2018

9 Database(s): Embase 1980 to 2018 Week 24, Ovid MEDLINE(R) Epub Ahead of Print, In-
10 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
11 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Intensive Care, Neonatal/ use ppez
10	newborn intensive care/ use emez
11	exp Intensive Care Units, Neonatal/ use ppez
12	neonatal intensive care unit/ use emez
13	(special and care and baby and unit*).tw.
14	((newborn or neonatal) adj ICU*1).tw.
15	(SCBU or NICU).tw.
16	exp Respiratory Distress Syndrome, Newborn/ use ppez
17	neonatal respiratory distress syndrome/ use emez
18	or/1-17
19	*blood pressure measurement/
20	*blood pressure monitoring/
21	exp blood pressure meter/
22	exp blood pressure monitor/
23	exp blood pressure/ and monitoring/
24	umbilical artery catheter/ or umbilical artery catheterization/
25	peripheral arterial tonometry/
26	*artery catheterization/
27	*oscillometry/
28	(or/19-27) use emez
29	*Blood Pressure Determination/
30	exp Sphygmomanometers/
31	(Monitoring, Physiologic/ or Physical Examination/) and Blood Pressure/
32	(exp Catheters/ or Catheterization/) and Umbilical Arteries/
33	*Catheterization, Peripheral/
34	*Oscillometry/
35	(or/29-34) use ppez
36	((blood pressure or bp) adj3 (assess* or determin* or examin* or measur* or monitor*)).tw.
37	((umbilic* or peripheral) adj2 (artery or arteries or arterial) adj2 (access or cannula* or catheter* or line or lines or tonometr*)).tw.
38	(oscillomet* or oscillogra* or sphygmomanomet*).tw.
39	or/36-38
40	28 or 35 or 39
41	18 and 40
42	limit 41 to english language
43	limit 42 to yr="1990 -Current"
44	Letter/ use ppez
45	letter.pt. or letter/ use emez
46	note.pt.

EARLY SUBMISSION

#	Searches
47	editorial.pt.
48	Editorial/ use ppez
49	News/ use ppez
50	exp Historical Article/ use ppez
51	Anecdotes as Topic/ use ppez
52	Comment/ use ppez
53	Case Report/ use ppez
54	case report/ or case study/ use emez
55	(letter or comment*).ti.
56	or/44-55
57	randomized controlled trial/ use ppez
58	randomized controlled trial/ use emez
59	random*.ti,ab.
60	or/57-59
61	56 not 60
62	animals/ not humans/ use ppez
63	animal/ not human/ use emez
64	nonhuman/ use emez
65	exp Animals, Laboratory/ use ppez
66	exp Animal Experimentation/ use ppez
67	exp Animal Experiment/ use emez
68	exp Experimental Animal/ use emez
69	exp Models, Animal/ use ppez
70	animal model/ use emez
71	exp Rodentia/ use ppez
72	exp Rodent/ use emez
73	(rat or rats or mouse or mice).ti.
74	or/61-73
75	43 not 74
76	remove duplicates from 75

Health economics

2 Date of initial search: 20/03/2018

3 Database(s): Embase 1980 to 2018 Week 12, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 12/06/2018

7 Database(s): Embase 1980 to 2018 Week 24, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Intensive Care, Neonatal/ use ppez
10	newborn intensive care/ use emez
11	exp Intensive Care Units, Neonatal/ use ppez
12	neonatal intensive care unit/ use emez
13	(special and care and baby and unit*).tw.
14	((newborn or neonatal) adj ICU*1).tw.
15	(SCBU or NICU).tw.
16	exp Respiratory Distress Syndrome, Newborn/ use ppez
17	neonatal respiratory distress syndrome/ use emez

EARLY SUBMISSION

#	Searches
18	or/1-17
19	*blood pressure measurement/
20	*blood pressure monitoring/
21	exp blood pressure meter/
22	exp blood pressure monitor/
23	exp blood pressure/ and monitoring/
24	umbilical artery catheter/ or umbilical artery catheterization/
25	peripheral arterial tonometry/
26	*artery catheterization/
27	*oscillometry/
28	(or/19-27) use emez
29	*Blood Pressure Determination/
30	exp Sphygmomanometers/
31	(Monitoring, Physiologic/ or Physical Examination/) and Blood Pressure/
32	(Catheters/ or Catheterization/) and Umbilical Arteries/
33	*Catheterization, Peripheral/
34	*Oscillometry/
35	(or/29-34) use ppez
36	((blood pressure or bp) adj3 (assess* or determin* or examin* or measur* or monitor*)).tw.
37	((umbilic* or peripheral) adj2 (artery or arteries or arterial) adj2 (access or cannula* or catheter* or line or lines or tonometr*)).tw.
38	(oscillomet* or oscillogra* or sphygmomanomet*).tw.
39	or/36-38
40	28 or 35 or 39
41	18 and 40
42	limit 41 to english language
43	limit 42 to yr="1990 -Current"
44	Economics/
45	Value of life/
46	exp "Costs and Cost Analysis"/
47	exp Economics, Hospital/
48	exp Economics, Medical/
49	Economics, Nursing/
50	Economics, Pharmaceutical/
51	exp "Fees and Charges"/
52	exp Budgets/
53	(or/44-52) use ppez
54	health economics/
55	exp economic evaluation/
56	exp health care cost/
57	exp fee/
58	budget/
59	funding/
60	(or/54-59) use emez
61	budget*.ti,ab.
62	cost*.ti.
63	(economic* or pharmaco?economic*).ti.
64	(price* or pricing*).ti,ab.
65	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
66	(financ* or fee or fees).ti,ab.
67	(value adj2 (money or monetary)).ti,ab.
68	or/61-66
69	53 or 60 or 68
70	43 and 69
71	remove duplicates from 70

- 1 Date of initial search: 20/03/2018
- 2 Database: The Cochrane Library, issue 3 of 12, March 2018
- 3 Date of updated search: 13/06/2018
- 4 Database: The Cochrane Library, issue 6 of 12, June 2018

EARLY SUBMISSION

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies)
#3	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1)
#4	(low near birth near weigh*)
#5	MeSH descriptor: [Intensive Care, Neonatal] this term only
#6	MeSH descriptor: [Intensive Care Units, Neonatal] this term only
#7	(special and care and baby and unit*)
#8	((newborn or neonatal or neo-natal) near (ICU*1 or unit*))
#9	(SCBU or NICU)
#10	{or #1-#9}
#11	MeSH descriptor: [Blood Pressure Determination] this term only
#12	MeSH descriptor: [Sphygmomanometers] explode all trees
#13	MeSH descriptor: [Catheterization, Peripheral] this term only
#14	MeSH descriptor: [Oscillometry] this term only
#15	{or #11-#14}
#16	MeSH descriptor: [Monitoring, Physiologic] this term only
#17	MeSH descriptor: [Physical Examination] this term only
#18	{or #16-#17}
#19	MeSH descriptor: [Blood Pressure] this term only
#20	#18 and #19
#21	MeSH descriptor: [Catheters] explode all trees
#22	MeSH descriptor: [Catheterization] this term only
#23	{or #21-#22}
#24	MeSH descriptor: [Umbilical Arteries] this term only
#25	#23 and #24
#26	#15 or #20 or #25
#27	((blood pressure or bp) N3 (assess* or determin* or examin* or measur* or monitor*))
#28	((umbilic* or peripheral) N3 (artery or arteries or arterial) N3 (access or cannula* or catheter* or line or lines or tonometr*))
#29	(oscillomet* or oscillogra* or sphygmomanomet*)
#30	{or #27-#29}
#31	#26 or #30

1

E. Sedation and analgesia

Literature search strategies for question 5.1 What is the effectiveness of 4 morphine during respiratory support?

Systematic reviews and RCTs

6 Date of initial search: 13/06/2017

7 Database: Embase 1980 to 2017 Week 24, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

10 Date of updated search: 26/06/2018

11 Database(s): Embase 1980 to 2018 Week 26, Ovid MEDLINE(R) Epub Ahead of Print, In-
12 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
13 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.

EARLY SUBMISSION

#	Searches
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Intensive Care, Neonatal/ use ppez
10	newborn intensive care/ use emez
11	exp Intensive Care Units, Neonatal/ use ppez
12	neonatal intensive care unit/ use emez
13	(special and care and baby and unit*).tw.
14	((newborn or neonatal) adj ICU*1).tw.
15	(SCBU or NICU).tw.
16	exp Respiratory Distress Syndrome, Newborn/ use ppez
17	neonatal respiratory distress syndrome/ use emez
18	or/1-17
19	exp Respiration, Artificial/ use ppez
20	exp Intubation, Intratracheal/ use ppez
21	exp artificial ventilation/ use emez
22	exp assisted ventilation/ use emez
23	exp Ventilators, Mechanical/ use ppez
24	exp ventilator/ use emez
25	(ventilat* or respirator or respirators or intubat*).tw.
26	((respirat* or breath* or airway* or oxygen*) adj3 (support* or assist* or artificial or control* or oscillat* or pressure)).tw.
27	nasal cannula.tw.
28	or/19-27
29	18 and 28
30	Morphine/ use ppez
31	morphine/ use emez
32	morphine.tw.
33	or/30-32
34	29 and 33
35	exp Fentanyl/ use ppez
36	fentanyl/ use emez
37	(fentan?l or phentan?).tw.
38	exp Midazolam/ use ppez
39	midazolam/ use emez or midazolam maleate/ use emez
40	midazolam.tw.
41	Acetaminophen/ use ppez
42	paracetamol/ use emez
43	(paracetamol or acet?minophen or acetamidophenol).tw.
44	exp Sucrose/ use ppez
45	exp Sweetening Agents/ use ppez
46	exp sweetening agent/ use emez
47	(sucrose* or aspartame* or dextrose* or fructose* or glycerine* or glucose* or honey or lactose* or lycerine* or polycose* or sacchar* or sugar* or syrup* or ((sweet* or pleasant or nice) adj3 (solution* or agent* or taste* or tasting))).tw.
48	Breast Feeding/ use ppez
49	exp breast feeding/ use emez
50	Milk, Human/ use ppez
51	breast milk/ use emez
52	(breastfeed* or (breast adj2 milk) or breastmilk or breastfed or (breast adj2 feed*) or (breast adj2 fed)).tw.
53	sucking/ use emez
54	suck*.tw.
55	Posture/ use ppez
56	body posture/ use emez
57	((posture* or postural) adj2 (support* or help* or stabili* or stable)).tw.
58	exp Patient Positioning/ use ppez
59	positioning/ use emez
60	kangaroo care/ use emez
61	(position* or hammock* or swaddl* or containment or hold or holding).tw.
62	((skin adj2 skin) or (kangaroo adj2 care)).tw.
63	or/35-62
64	29 and 63
65	34 or 64
66	limit 65 to english language
67	limit 66 to yr="1990 -Current"

EARLY SUBMISSION

#	Searches
68	Letter/ use ppez
69	letter.pt. or letter/ use emez
70	note.pt.
71	editorial.pt.
72	Editorial/ use ppez
73	News/ use ppez
74	exp Historical Article/ use ppez
75	Anecdotes as Topic/ use ppez
76	Comment/ use ppez
77	Case Report/ use ppez
78	case report/ or case study/ use emez
79	(letter or comment*).ti.
80	or/68-79
81	randomized controlled trial/ use ppez
82	randomized controlled trial/ use emez
83	random*.ti,ab.
84	or/81-83
85	80 not 84
86	animals/ not humans/ use ppez
87	animal/ not human/ use emez
88	nonhuman/ use emez
89	exp Animals, Laboratory/ use ppez
90	exp Animal Experimentation/ use ppez
91	exp Animal Experiment/ use emez
92	exp Experimental Animal/ use emez
93	exp Models, Animal/ use ppez
94	animal model/ use emez
95	exp Rodentia/ use ppez
96	exp Rodent/ use emez
97	(rat or rats or mouse or mice).ti.
98	or/85-97
99	67 not 98
100	Meta-Analysis/
101	Meta-Analysis as Topic/
102	systematic review/
103	meta-analysis/
104	(meta analy* or metanaly* or metaanaly*).ti,ab.
105	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
106	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
107	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
108	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
109	(search* adj4 literature).ab.
110	(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.
111	cochrane.jw.
112	((pool* or combined) adj2 (data or trials or studies or results)).ab.
113	or/100-101,104,106-111 use ppez
114	or/102-105,107-112 use emez
115	or/113-114
116	clinical Trials as topic.sh. or (controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or (placebo or randomi#ed or randomly).ab. or trial.ti.
117	116 use ppez
118	(controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or drug therapy.fs. or (groups or placebo or randomi#ed or randomly or trial).ab.
119	118 use ppez
120	crossover procedure/ or double blind procedure/ or randomized controlled trial/ or single blind procedure/ or (assign* or allocat* or crossover* or cross over* or ((doubl* or singl*) adj blind*) or factorial* or placebo* or random* or volunteer*).ti,ab.
121	120 use emez
122	117 or 119
123	121 or 122
124	115 or 123
125	99 and 124
126	remove duplicates from 125

EARLY SUBMISSION

Observational studies

2 Date of initial search: 13/06/2017

3 Database: Embase 1980 to 2017 Week 24, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 26/06/2018

7 Database(s): Embase 1980 to 2018 Week 26, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Intensive Care, Neonatal/ use ppez
10	newborn intensive care/ use emez
11	exp Intensive Care Units, Neonatal/ use ppez
12	neonatal intensive care unit/ use emez
13	(special and care and baby and unit*).tw.
14	((newborn or neonatal) adj ICU*1).tw.
15	(SCBU or NICU).tw.
16	exp Respiratory Distress Syndrome, Newborn/ use ppez
17	neonatal respiratory distress syndrome/ use emez
18	or/1-17
19	exp Respiration, Artificial/ use ppez
20	exp Intubation, Intratracheal/ use ppez
21	exp artificial ventilation/ use emez
22	exp assisted ventilation/ use emez
23	exp Ventilators, Mechanical/ use ppez
24	exp ventilator/ use emez
25	(ventilat* or respirator or respirators or intubat*).tw.
26	((respirat* or breath* or airway* or oxygen*) adj3 (support* or assist* or artificial or control* or oscillat* or pressure)).tw.
27	nasal cannula.tw.
28	or/19-27
29	18 and 28
30	Morphine/ use ppez
31	morphine/ use emez
32	morphine.tw.
33	or/30-32
34	29 and 33
35	exp Fentanyl/ use ppez
36	fentanyl/ use emez
37	(fentan?l or phentan?).tw.
38	exp Midazolam/ use ppez
39	midazolam/ use emez or midazolam maleate/ use emez
40	midazolam.tw.
41	Acetaminophen/ use ppez
42	paracetamol/ use emez
43	(paracetamol or acet?minophen or acetamidophenol).tw.
44	exp Sucrose/ use ppez
45	exp Sweetening Agents/ use ppez
46	exp sweetening agent/ use emez
47	(sucrose* or aspartame* or dextrose* or fructose* or glycerine* or glucose* or honey or lactose* or lycerine* or polydose* or sacchar* or sugar* or syrup* or ((sweet* or pleasant or nice) adj3 (solution* or agent* or taste* or tasting))).tw.

EARLY SUBMISSION

#	Searches
48	Breast Feeding/ use ppez
49	exp breast feeding/ use emez
50	Milk, Human/ use ppez
51	breast milk/ use emez
52	(breastfeed* or (breast adj2 milk) or breastmilk or breastfed or (breast adj2 feed*) or (breast adj2 fed)).tw.
53	sucking/ use emez
54	suck*.tw.
55	Posture/ use ppez
56	body posture/ use emez
57	((posture* or postural) adj2 (support* or help* or stabili* or stable)).tw.
58	exp Patient Positioning/ use ppez
59	positioning/ use emez
60	kangaroo care/ use emez
61	(position* or hammock* or swaddl* or containment or hold or holding).tw.
62	((skin adj2 skin) or (kangaroo adj2 care)).tw.
63	or/35-62
64	29 and 63
65	34 or 64
66	limit 65 to english language
67	limit 66 to yr="1990 -Current"
68	Letter/ use ppez
69	letter.pt. or letter/ use emez
70	note.pt.
71	editorial.pt.
72	Editorial/ use ppez
73	News/ use ppez
74	exp Historical Article/ use ppez
75	Anecdotes as Topic/ use ppez
76	Comment/ use ppez
77	Case Report/ use ppez
78	case report/ or case study/ use emez
79	(letter or comment*).ti.
80	or/68-79
81	randomized controlled trial/ use ppez
82	randomized controlled trial/ use emez
83	random*.ti,ab.
84	or/81-83
85	80 not 84
86	animals/ not humans/ use ppez
87	animal/ not human/ use emez
88	nonhuman/ use emez
89	exp Animals, Laboratory/ use ppez
90	exp Animal Experimentation/ use ppez
91	exp Animal Experiment/ use emez
92	exp Experimental Animal/ use emez
93	exp Models, Animal/ use ppez
94	animal model/ use emez
95	exp Rodentia/ use ppez
96	exp Rodent/ use emez
97	(rat or rats or mouse or mice).ti.
98	or/85-97
99	67 not 98
100	Epidemiologic Studies/
101	Case Control Studies/
102	Retrospective Studies/
103	Cohort Studies/
104	Longitudinal Studies/
105	Follow-Up Studies/
106	Prospective Studies/
107	Cross-Sectional Studies/
108	or/100-107 use ppez
109	clinical study/
110	case control study/
111	family study/

EARLY SUBMISSION

#	Searches
112	longitudinal study/
113	retrospective study/
114	prospective study/
115	cohort analysis/
116	or/109-115 use emez
117	((retrospective* or cohort* or longitudinal or follow?up or prospective or cross section*) adj3 (stud* or research or analys*)).ti.
118	108 or 116 or 117
119	99 and 118
120	remove duplicates from 119

Health Economics

2 Date of initial search: 13/06/2017

3 Database: Embase 1980 to 2017 Week 24, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 26/06/2018

7 Database(s): Embase 1980 to 2018 Week 26, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Intensive Care, Neonatal/ use ppez
10	newborn intensive care/ use emez
11	exp Intensive Care Units, Neonatal/ use ppez
12	neonatal intensive care unit/ use emez
13	(special and care and baby and unit*).tw.
14	((newborn or neonatal) adj ICU*1).tw.
15	(SCBU or NICU).tw.
16	exp Respiratory Distress Syndrome, Newborn/ use ppez
17	neonatal respiratory distress syndrome/ use emez
18	or/1-17
19	exp Respiration, Artificial/ use ppez
20	exp Intubation, Intratracheal/ use ppez
21	exp artificial ventilation/ use emez
22	exp assisted ventilation/ use emez
23	exp Ventilators, Mechanical/ use ppez
24	exp ventilator/ use emez
25	(ventilat* or respirator or respirators or intubat*).tw.
26	((respirat* or breath* or airway* or oxygen*) adj3 (support* or assist* or artificial or control* or oscillat* or pressure)).tw.
27	nasal cannula.tw.
28	or/19-27
29	18 and 28
30	Morphine/ use ppez
31	morphine/ use emez
32	morphine.tw.
33	or/30-32
34	29 and 33
35	exp Fentanyl/ use ppez
36	fentanyl/ use emez

EARLY SUBMISSION

#	Searches
37	(fentan?l or phentan?).tw.
38	exp Midazolam/ use ppez
39	midazolam/ use emez or midazolam maleate/ use emez
40	midazolam.tw.
41	Acetaminophen/ use ppez
42	paracetamol/ use emez
43	(paracetamol or acet?minophen or acetamidophenol).tw.
44	exp Sucrose/ use ppez
45	exp Sweetening Agents/ use ppez
46	exp sweetening agent/ use emez
47	(sucrose* or aspartame* or dextrose* or fructose* or glycerine* or glucose* or honey or lactose* or lycerine* or polydose* or sacchar* or sugar* or syrup* or ((sweet* or pleasant or nice) adj3 (solution* or agent* or taste* or tasting))).tw.
48	Breast Feeding/ use ppez
49	exp breast feeding/ use emez
50	Milk, Human/ use ppez
51	breast milk/ use emez
52	(breastfeed* or (breast adj2 milk) or breastmilk or breastfed or (breast adj2 feed*) or (breast adj2 fed)).tw.
53	sucking/ use emez
54	suck*.tw.
55	Posture/ use ppez
56	body posture/ use emez
57	((posture* or postural) adj2 (support* or help* or stabili* or stable)).tw.
58	exp Patient Positioning/ use ppez
59	positioning/ use emez
60	kangaroo care/ use emez
61	(position* or hammock* or swaddl* or containment or hold or holding).tw.
62	((skin adj2 skin) or (kangaroo adj2 care)).tw.
63	or/35-62
64	29 and 63
65	34 or 64
66	limit 65 to english language
67	limit 66 to yr="1990 -Current"
68	Letter/ use ppez
69	letter.pt. or letter/ use emez
70	note.pt.
71	editorial.pt.
72	Editorial/ use ppez
73	News/ use ppez
74	exp Historical Article/ use ppez
75	Anecdotes as Topic/ use ppez
76	Comment/ use ppez
77	Case Report/ use ppez
78	case report/ or case study/ use emez
79	(letter or comment*).ti.
80	or/68-79
81	randomized controlled trial/ use ppez
82	randomized controlled trial/ use emez
83	random*.ti,ab.
84	or/81-83
85	80 not 84
86	animals/ not humans/ use ppez
87	animal/ not human/ use emez
88	nonhuman/ use emez
89	exp Animals, Laboratory/ use ppez
90	exp Animal Experimentation/ use ppez
91	exp Animal Experiment/ use emez
92	exp Experimental Animal/ use emez
93	exp Models, Animal/ use ppez
94	animal model/ use emez
95	exp Rodentia/ use ppez
96	exp Rodent/ use emez
97	(rat or rats or mouse or mice).ti.
98	or/85-97
99	67 not 98

EARLY SUBMISSION

#	Searches
100	Economics/
101	Value of life/
102	exp "Costs and Cost Analysis"/
103	exp Economics, Hospital/
104	exp Economics, Medical/
105	Economics, Nursing/
106	Economics, Pharmaceutical/
107	exp "Fees and Charges"/
108	exp Budgets/
109	or/100-108 use ppez
110	health economics/
111	exp economic evaluation/
112	exp health care cost/
113	exp fee/
114	budget/
115	funding/
116	or/110-115 use emez
117	budget*.ti,ab.
118	cost*.ti.
119	(economic* or pharmaco?economic*).ti.
120	(price* or pricing*).ti,ab.
121	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
122	(financ* or fee or fees).ti,ab.
123	(value adj2 (money or monetary)).ti,ab.
124	or/117-122
125	109 or 116 or 124
126	99 and 125
127	Remove duplicates from 126

Systematic reviews, RCTs, health economics

- 2 Date of initial search: 13/06/2017
- 3 Database: The Cochrane Library, issue 6 of 12, June 2017
- 4 Date of updated search: 27/06/2018
- 5 Database: The Cochrane Library, issue 6 of 12, June 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or new-born* or baby or babies or preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie or premies)
#3	((low adj3 birth near/3 weigh*) or (LBW or VLBW))
#4	MeSH descriptor: [Respiratory Distress Syndrome, Newborn] explode all trees
#5	MeSH descriptor: [Intensive Care, Neonatal] explode all trees
#6	MeSH descriptor: [Intensive Care Units, Neonatal] explode all trees
#7	(special care baby unit* or ((newborn or neonatal) near ICU*1) or (SCBU or NICU))
#8	{or #1-#7}
#9	MeSH descriptor: [Respiration, Artificial] explode all trees
#10	MeSH descriptor: [Intubation, Intratracheal] explode all trees
#11	MeSH descriptor: [Ventilators, Mechanical] explode all trees
#12	(ventilat* or respirator or respirators or intubat*)
#13	((respirat* or breath* or airway* or oxygen*) near/3 (support* or assist* or artificial or control* or oscillat* or pressure))
#14	nasal cannula
#15	{or #9-#14}
#16	#8 and #15
#17	MeSH descriptor: [Morphine] explode all trees
#18	morphine
#19	#17 or #18
#20	#16 and #19
#21	MeSH descriptor: [Fentanyl] explode all trees
#22	(fentan?l or phentan?)

EARLY SUBMISSION

ID	Search
#23	MeSH descriptor: [Midazolam] explode all trees
#24	midazolam
#25	MeSH descriptor: [Acetaminophen] explode all trees
#26	(paracetamol or acetaminophen or acetamidophenol)
#27	MeSH descriptor: [Sucrose] explode all trees
#28	MeSH descriptor: [Sweetening Agents] explode all trees
#29	(sucrose* or aspartame* or dextrose* or fructose* or glycerine* or glucose* or honey or lactose* or lycerine* or polycose* or sacchar* or sugar* or syrup* or ((sweet* or pleasant or nice) near/3 (solution* or agent* or taste* or tasting)))
#30	MeSH descriptor: [Breast Feeding] explode all trees
#31	MeSH descriptor: [Milk, Human] explode all trees
#32	(breastfeed* or (breast near/2 milk) or breastmilk or breastfed or (breast near/2 feed*) or (breast near/2 fed))
#33	suck*
#34	MeSH descriptor: [Posture] explode all trees
#35	MeSH descriptor: [Patient Positioning] explode all trees
#36	((posture* or postural) near/2 (support* or help* or stabili* or stable))
#37	(position* or hammock* or swaddl* or containment or hold or holding)
#38	((skin adj2 skin) or (kangaroo near/2 care))
#39	{or #21-#38}
#40	#16 and #39
#41	#20 or #40 Publication Year from 1990 to 2017

1

Literature search strategies for question 5.2 What is the effectiveness of using premedication for intubation in preterm babies?

Systematic reviews and RCTs

5 Date of initial search: 08/11/17

6 Database(s): Embase 1980 to 2017 Week 45, Ovid MEDLINE(R) Epub Ahead of Print, In-
7 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
8 1946 to Present

9 Date of updated search: 03/07/2018

10 Database(s): Embase 1980 to 2018 Week 27, Ovid MEDLINE(R) Epub Ahead of Print, In-
11 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
12 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.

EARLY SUBMISSION

#	Searches
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or matur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*).tw.
23	or/1-22
24	exp Intubation, Intratracheal/ use ppez
25	exp respiratory tract intubation/ use emez
26	intubat*.tw.
27	or/24-26
28	23 and 27
29	Premedication/
30	"Hypnotics and Sedatives"/
31	"Anaesthesia and Analgesia"/ or Analgesia/ or Anaesthesia/
32	Cholinergic Antagonists/ or Muscarinic Antagonists/
33	exp Analgesics, Opioid/
34	exp Neuromuscular Nondepolarizing Agents/ or exp Neuromuscular Blockade/ or exp Neuromuscular Depolarizing Agents/ or exp Neuromuscular Blocking Agents/
35	Alfentanil/ or Atropine/ or Atracurium/ or Fentanyl/ or Midazolam/ or Morphine/ or Propofol/
36	or/29-35 use ppez
37	exp premedication/
38	hypnotic sedative agent/
39	anesthesiological procedure/ or analgesia/ or anaesthesia/ or anesthetic agent/
40	cholinergic receptor blocking agent/ or muscarinic receptor blocking agent/
41	narcotic analgesic agent/
42	muscle relaxant agent/ or neuromuscular blocking agent/ or neuromuscular blocking/ or neuromuscular depolarizing agent/ or neuromuscular depolarizing agent/
43	alfentanil/ or atracurium besilate/ or atropine/ or fentanyl/ or midazolam/ or propofol/ or remifentanil/ or rocuronium/ or suxamethonium/
44	or/37-43 use emez
45	(alfentan?l or atracurium or atropine or fentan?l or midazolam or morphine or propofol or remifentan?l or rocuronium or suxamethonium).tw.
46	(premedication or pre-medication or premed* or pre-med*).tw.
47	(sedat* or hypnotics or anaesth* or analges* or narcotic* or opioid* or cholinergic antagonist* or muscarinic antagonist* or neuromuscular block* or neuromuscular nondepolarizing agent* or neuromuscular depolarizing agent* or muscle relax*).tw.
48	or/45-47
49	36 or 44 or 48
50	28 and 49
51	limit 50 to english language
52	limit 51 to yr="1990 -Current"
53	Letter/ use ppez
54	letter.pt. or letter/ use emez
55	note.pt.
56	editorial.pt.
57	Editorial/ use ppez
58	News/ use ppez
59	exp Historical Article/ use ppez
60	Anecdotes as Topic/ use ppez
61	Comment/ use ppez
62	Case Report/ use ppez
63	case report/ or case study/ use emez
64	(letter or comment*).ti.
65	or/53-64
66	randomized controlled trial/ use ppez
67	randomized controlled trial/ use emez
68	random*.ti,ab.
69	or/66-68
70	65 not 69
71	animals/ not humans/ use ppez
72	animal/ not human/ use emez
73	nonhuman/ use emez
74	exp Animals, Laboratory/ use ppez
75	exp Animal Experimentation/ use ppez
76	exp Animal Experiment/ use emez
77	exp Experimental Animal/ use emez
78	exp Models, Animal/ use ppez

EARLY SUBMISSION

#	Searches
79	animal model/ use emez
80	exp Rodentia/ use ppez
81	exp Rodent/ use emez
82	(rat or rats or mouse or mice).ti.
83	or/70-82
84	52 not 83
85	Meta-Analysis/
86	Meta-Analysis as Topic/
87	systematic review/
88	meta-analysis/
89	(meta analy* or metanaly* or metaanaly*).ti,ab.
90	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
91	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
92	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
93	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
94	(search* adj4 literature).ab.
95	(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.
96	cochrane.jw.
97	((pool* or combined) adj2 (data or trials or studies or results)).ab.
98	or/85-86,89,91-96 use ppez
99	or/87-90,92-97 use emez
100	or/98-99
101	clinical Trials as topic.sh. or (controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or (placebo or randomi#ed or randomly).ab. or trial.ti.
102	101 use ppez
103	(controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or drug therapy.fs. or (groups or placebo or randomi#ed or randomly or trial).ab.
104	103 use ppez
105	crossover procedure/ or double blind procedure/ or randomized controlled trial/ or single blind procedure/ or (assign* or allocat* or crossover* or cross over* or ((doubl* or singl*) adj blind*) or factorial* or placebo* or random* or volunteer*).ti,ab.
106	105 use emez
107	102 or 104
108	106 or 107
109	100 or 108
110	84 and 109
111	remove duplicates from 110

Observational studies

2 Date of initial search: 08/11/17

3 Database(s): Embase 1980 to 2017 Week 45, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 03/07/2018

7 Database(s): Embase 1980 to 2018 Week 27, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez

EARLY SUBMISSION

#	Searches
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	exp Intubation, Intratracheal/ use ppez
25	exp respiratory tract intubation/ use emez
26	intubat*.tw.
27	or/24-26
28	23 and 27
29	Premedication/
30	"Hypnotics and Sedatives"/
31	"Anaesthesia and Analgesia"/ or Analgesia/ or Anaesthesia/
32	Cholinergic Antagonists/ or Muscarinic Antagonists/
33	exp Analgesics, Opioid/
34	exp Neuromuscular Nondepolarizing Agents/ or exp Neuromuscular Blockade/ or exp Neuromuscular Depolarizing Agents/ or exp Neuromuscular Blocking Agents/
35	Alfentanil/ or Atropine/ or Atracurium/ or Fentanyl/ or Midazolam/ or Morphine/ or Propofol/
36	or/29-35 use ppez
37	exp premedication/
38	hypnotic sedative agent/
39	anesthesiological procedure/ or analgesia/ or anaesthesia/ or anesthetic agent/
40	cholinergic receptor blocking agent/ or muscarinic receptor blocking agent/
41	narcotic analgesic agent/
42	muscle relaxant agent/ or neuromuscular blocking agent/ or neuromuscular blocking/ or neuromuscular depolarizing agent/ or neuromuscular depolarizing agent/
43	alfentanil/ or atracurium besilate/ or atropine/ or fentanyl/ or midazolam/ or propofol/ or remifentanil/ or rocuronium/ or suxamethonium/
44	or/37-43 use emez
45	(alfentanil? or atracurium or atropine or fentanil? or midazolam or morphine or propofol or remifentanil? or rocuronium or suxamethonium).tw.
46	(premedication or pre-medication or premed* or pre-med*).tw.
47	(sedat* or hypnotics or anaesth* or analges* or narcotic* or opioid* or cholinergic antagonist* or muscarinic antagonist* or neuromuscular block* or neuromuscular nondepolarizing agent* or neuromuscular depolarizing agent* or muscle relax*).tw.
48	or/45-47
49	36 or 44 or 48
50	28 and 49
51	limit 50 to english language
52	limit 51 to yr="1990 -Current"
53	Letter/ use ppez
54	letter.pt. or letter/ use emez
55	note.pt.
56	editorial.pt.
57	Editorial/ use ppez
58	News/ use ppez
59	exp Historical Article/ use ppez
60	Anecdotes as Topic/ use ppez
61	Comment/ use ppez
62	Case Report/ use ppez
63	case report/ or case study/ use emez
64	(letter or comment*).ti.
65	or/53-64
66	randomized controlled trial/ use ppez
67	randomized controlled trial/ use emez

EARLY SUBMISSION

#	Searches
68	random*.ti,ab.
69	or/66-68
70	65 not 69
71	animals/ not humans/ use ppez
72	animal/ not human/ use emez
73	nonhuman/ use emez
74	exp Animals, Laboratory/ use ppez
75	exp Animal Experimentation/ use ppez
76	exp Animal Experiment/ use emez
77	exp Experimental Animal/ use emez
78	exp Models, Animal/ use ppez
79	animal model/ use emez
80	exp Rodentia/ use ppez
81	exp Rodent/ use emez
82	(rat or rats or mouse or mice).ti.
83	or/70-82
84	52 not 83
85	Epidemiologic Studies/
86	Case Control Studies/
87	Retrospective Studies/
88	Cohort Studies/
89	Longitudinal Studies/
90	Follow-Up Studies/
91	Prospective Studies/
92	Cross-Sectional Studies/
93	or/85-92 use ppez
94	clinical study/
95	case control study/
96	family study/
97	longitudinal study/
98	retrospective study/
99	prospective study/
100	cohort analysis/
101	or/94-100 use emez
102	((retrospective\$ or cohort\$ or longitudinal or follow?up or prospective or cross section\$) adj3 (stud\$ or research or analys\$)).ti.
103	93 or 101 or 102
104	84 and 103
105	remove duplicates from 104

Health economics

2 Date of initial search: 08/11/17

3 Database(s): Embase 1980 to 2017 Week 45, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 03/07/2018

7 Database(s): Embase 1980 to 2018 Week 27, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.

EARLY SUBMISSION

#	Searches
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/1-22
24	exp Intubation, Intratracheal/ use ppez
25	exp respiratory tract intubation/ use emez
26	intubat*.tw.
27	or/24-26
28	23 and 27
29	Premedication/
30	"Hypnotics and Sedatives"/
31	"Anaesthesia and Analgesia"/ or Analgesia/ or Anaesthesia/
32	Cholinergic Antagonists/ or Muscarinic Antagonists/
33	exp Analgesics, Opioid/
34	exp Neuromuscular Nondepolarizing Agents/ or exp Neuromuscular Blockade/ or exp Neuromuscular Depolarizing Agents/ or exp Neuromuscular Blocking Agents/
35	Alfentanil/ or Atropine/ or Atracurium/ or Fentanyl/ or Midazolam/ or Morphine/ or Propofol/
36	or/29-35 use ppez
37	exp premedication/
38	hypnotic sedative agent/
39	anesthesiological procedure/ or analgesia/ or anaesthesia/ or anesthetic agent/
40	cholinergic receptor blocking agent/ or muscarinic receptor blocking agent/
41	narcotic analgesic agent/
42	muscle relaxant agent/ or neuromuscular blocking agent/ or neuromuscular blocking/ or neuromuscular depolarizing agent/ or neuromuscular depolarizing agent/
43	alfentanil/ or atracurium besilate/ or atropine/ or fentanyl/ or midazolam/ or propofol/ or remifentanil/ or rocuronium/ or suxamethonium/
44	or/37-43 use emez
45	(alfentan?l or atracurium or atropine or fentan?l or midazolam or morphine or propofol or remifentan?l or rocuronium or suxamethonium).tw.
46	(premedication or pre-medication or premed* or pre-med*).tw.
47	(sedat* or hypnotics or anaesth* or analges* or narcotic* or opioid* or cholinergic antagonist* or muscarinic antagonist* or neuromuscular block* or neuromuscular nondepolarizing agent* or neuromuscular depolarizing agent* or muscle relax*).tw.
48	or/45-47
49	36 or 44 or 48
50	28 and 49
51	limit 50 to english language
52	limit 51 to yr="1990 -Current"
53	Letter/ use ppez
54	letter.pt. or letter/ use emez
55	note.pt.
56	editorial.pt.
57	Editorial/ use ppez
58	News/ use ppez
59	exp Historical Article/ use ppez
60	Anecdotes as Topic/ use ppez
61	Comment/ use ppez
62	Case Report/ use ppez
63	case report/ or case study/ use emez
64	(letter or comment*).ti.
65	or/53-64
66	randomized controlled trial/ use ppez

EARLY SUBMISSION

#	Searches
67	randomized controlled trial/ use emez
68	random*.ti,ab.
69	or/66-68
70	65 not 69
71	animals/ not humans/ use ppez
72	animal/ not human/ use emez
73	nonhuman/ use emez
74	exp Animals, Laboratory/ use ppez
75	exp Animal Experimentation/ use ppez
76	exp Animal Experiment/ use emez
77	exp Experimental Animal/ use emez
78	exp Models, Animal/ use ppez
79	animal model/ use emez
80	exp Rodentia/ use ppez
81	exp Rodent/ use emez
82	(rat or rats or mouse or mice).ti.
83	or/70-82
84	52 not 83
85	Economics/
86	Value of life/
87	exp "Costs and Cost Analysis"/
88	exp Economics, Hospital/
89	exp Economics, Medical/
90	Economics, Nursing/
91	Economics, Pharmaceutical/
92	exp "Fees and Charges"/
93	exp Budgets/
94	or/85-93 use ppez
95	health economics/
96	exp economic evaluation/
97	exp health care cost/
98	exp fee/
99	budget/
100	funding/
101	or/95-100 use emez
102	budget*.ti,ab.
103	cost*.ti.
104	(economic* or pharmaco?economic*).ti.
105	(price* or pricing*).ti,ab.
106	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
107	(financ* or fee or fees).ti,ab.
108	(value adj2 (money or monetary)).ti,ab.
109	or/102-107
110	94 or 101 or 109
111	84 and 110
112	remove duplicates from 111

Systematic reviews, RCTs and Health economics

2 Date of initial search: 08/11/2017

3 Databases: The Cochrane Library, issue 11 of 12, November 2017

4 Date of updated search: 02/07/2018

5 Databases: The Cochrane Library, issue 7 of 12, July 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies)
#3	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1)
#4	(low near birth near weigh*)

EARLY SUBMISSION

ID	Search
#5	MeSH descriptor: [Intensive Care, Neonatal] this term only
#6	MeSH descriptor: [Intensive Care Units, Neonatal] this term only
#7	(special and care and baby and unit*)
#8	((newborn or neonatal or neo-natal) near (ICU*1 or unit*))
#9	(SCBU or NICU)
#10	{or #1-#9}
#11	MeSH descriptor: [Intubation, Intratracheal] explode all trees
#12	intubat*
#13	#11 or #12
#14	#10 and #13
#15	MeSH descriptor: [Premedication] this term only
#16	MeSH descriptor: [Hypnotics and Sedatives] this term only
#17	MeSH descriptor: [Anesthesia and Analgesia] this term only
#18	MeSH descriptor: [Analgesia] this term only
#19	MeSH descriptor: [Anesthesia] this term only
#20	MeSH descriptor: [Cholinergic Antagonists] this term only
#21	MeSH descriptor: [Muscarinic Antagonists] this term only
#22	MeSH descriptor: [Analgesics, Opioid] explode all trees
#23	MeSH descriptor: [Neuromuscular Nondepolarizing Agents] explode all trees
#24	MeSH descriptor: [Neuromuscular Blockade] explode all trees
#25	MeSH descriptor: [Neuromuscular Depolarizing Agents] explode all trees
#26	MeSH descriptor: [Neuromuscular Blocking Agents] explode all trees
#27	MeSH descriptor: [Alfentanil] this term only
#28	MeSH descriptor: [Atropine] this term only
#29	MeSH descriptor: [Atracurium] this term only
#30	MeSH descriptor: [Fentanyl] this term only
#31	MeSH descriptor: [Midazolam] this term only
#32	MeSH descriptor: [Morphine] this term only
#33	MeSH descriptor: [Propofol] this term only
#34	(alfentan?l or atracurium or atropine or fentan?l or midazolam or morphine or propofol or remifentan?l or rocuronium or suxamethonium)
#35	(sedat* or hypnotics or anaesth* or analges* or narcotic* or opioid* or cholinergic antagonist* or muscarinic antagonist* or neuromuscular block* or neuromuscular nondepolarizing agent* or neuromuscular depolarizing agent* or muscle relax* or premedication or pre-medication or premed* or pre-med*)
#36	{or #15-#35}
#37	#14 and #36 Publication Year from 1990 to 2017

1

F. Involving and supporting parents and carers

Literature search strategies for question 6.1 What parent and carer involvement is effective in the care of preterm babies who are receiving respiratory support?

5 Systematic reviews and RCTs

6 Date of initial search: 18/10/2017

7 Database(s): Embase 1980 to 2017 Week 41, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

10 Date of updated search: 26/06/2018

11 Database(s): Embase 1980 to 2018 Week 26, Ovid MEDLINE(R) Epub Ahead of Print, In-
12 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
13 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez

EARLY SUBMISSION

#	Searches
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	or/1-10
12	exp Intensive Care, Neonatal/ use ppez
13	newborn intensive care/ use emez
14	exp Intensive Care Units, Neonatal/ use ppez
15	neonatal intensive care unit/ use emez
16	Neonatal Nursing/ use ppez
17	exp newborn nursing/ use emez
18	newborn care/ use emez
19	(special and care and baby and unit*).tw.
20	((newborn or neonatal or neo-natal) adj ICU*1).tw.
21	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
22	(SCBU or NICU).tw.
23	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
24	or/12-23
25	11 and 24
26	exp Family/ use ppez
27	exp family/ use emez
28	Caregivers/ use ppez
29	caregiver/ use emez
30	(famil* or parent? or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer*).tw.
31	(sibling* or brother* or sister*).tw.
32	or/26-31
33	25 and 32
34	Professional-Family Relations/
35	Object Attachment/
36	Infant Care/
37	Kangaroo-Mother Care Method/
38	exp Parent-Child Relations/
39	Touch/ or Touch Perception/
40	Facilitated Tucking/
41	Sucking Behavior/
42	Pacifiers/
43	exp Voice/ or Speech/
44	Acoustic Stimulation/
45	Reading/
46	Singing/
47	Music Therapy/
48	Patient Participation/
49	Enteral Nutrition/
50	Bottle Feeding/
51	exp Breast Feeding/
52	Rooming-in Care/
53	or/34-52 use ppez
54	human relation/
55	family centered care/
56	exp emotional attachment/
57	infant care/
58	kangaroo care/
59	exp child parent relation/
60	exp touch/ or tactile stimulation/
61	facilitated tucking/ or body position/
62	sucking/
63	pacifier/
64	voice/ or speech/
65	maternal voice intervention/

EARLY SUBMISSION

#	Searches
66	exp sensory stimulation/
67	reading/
68	singing/
69	music therapy/
70	patient participation/
71	enteric feeding/
72	bottle feeding/
73	exp breast feeding/
74	rooming in/
75	or/54-74 use emez
76	(family?centred or family?centered or family?integrat*).tw.
77	(involv* or interact* or participat* or support* or satisf* or dissatis* or well being or well?being).tw.
78	development* care.tw.
79	(caregiving or caring or nurtur*).tw.
80	NIDCAP.tw.
81	((skin adj2 skin) or (kangaroo adj2 (care or interact* or position* or support*))).tw.
82	(bond or bonding or attachment).tw.
83	(hold or holding or cuddl* or rock* or swaddl* or touch* or tactile).tw.
84	(suck* or dummy or dummies or pacifier*).tw.
85	(read or reading or sing* or song* or lullab* or talk* or voice* or vocal).tw.
86	((auditory or acoustic or noise) adj2 stimulat*).tw.
87	(tubefeed* or (tube adj feed*) or (enter* adj feed*) or (enter* adj nutrition)).tw.
88	(breastfeed* or (breast adj milk) or breastmilk or breastfed or (breast adj feed*) or (breast adj fed)).tw.
89	(express* adj2 milk).tw.
90	or/76-89
91	53 or 75 or 90
92	33 and 91
93	limit 92 to english language
94	limit 93 to yr="1990 -Current"
95	Letter/ use ppez
96	letter.pt. or letter/ use emez
97	note.pt.
98	editorial.pt.
99	Editorial/ use ppez
100	News/ use ppez
101	exp Historical Article/ use ppez
102	Anecdotes as Topic/ use ppez
103	Comment/ use ppez
104	Case Report/ use ppez
105	case report/ or case study/ use emez
106	(letter or comment*).ti.
107	or/95-106
108	randomized controlled trial/ use ppez
109	randomized controlled trial/ use emez
110	random*.ti,ab.
111	or/108-110
112	107 not 111
113	animals/ not humans/ use ppez
114	animal/ not human/ use emez
115	nonhuman/ use emez
116	exp Animals, Laboratory/ use ppez
117	exp Animal Experimentation/ use ppez
118	exp Animal Experiment/ use emez
119	exp Experimental Animal/ use emez
120	exp Models, Animal/ use ppez
121	animal model/ use emez
122	exp Rodentia/ use ppez
123	exp Rodent/ use emez
124	(rat or rats or mouse or mice).ti.
125	or/112-124
126	94 not 125
127	Meta-Analysis/
128	Meta-Analysis as Topic/
129	systematic review/

EARLY SUBMISSION

#	Searches
130	meta-analysis/
131	(meta analy* or metanaly* or metaanaly*).ti,ab.
132	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
133	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
134	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
135	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
136	(search* adj4 literature).ab.
137	(medline or pubmed or cochrane or embase or psychlit or psyclid or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
138	cochrane.jw.
139	((pool* or combined) adj2 (data or trials or studies or results)).ab.
140	or/127-128,131,133-138 use ppez
141	or/129-132,134-139 use emez
142	or/140-141
143	clinical Trials as topic.sh. or (controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or (placebo or randomi#ed or randomly).ab. or trial.ti.
144	143 use ppez
145	(controlled clinical trial or pragmatic clinical trial or randomized controlled trial).pt. or drug therapy.fs. or (groups or placebo or randomi#ed or randomly or trial).ab.
146	145 use ppez
147	crossover procedure/ or double blind procedure/ or randomized controlled trial/ or single blind procedure/ or (assign* or allocat* or crossover* or cross over* or ((doubl* or singl*) adj blind*) or factorial* or placebo* or random* or volunteer*).ti,ab.
148	147 use emez
149	144 or 146
150	148 or 149
151	142 or 150
152	126 and 151
153	remove duplicates from 152

1 Observational studies

2 Date of initial search: 18/10/17

3 Database(s): Embase 1980 to 2017 Week 41, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 26/06/2018

7 Database(s): Embase 1980 to 2018 Week 26, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	or/1-10
12	exp Intensive Care, Neonatal/ use ppez
13	newborn intensive care/ use emez
14	exp Intensive Care Units, Neonatal/ use ppez
15	neonatal intensive care unit/ use emez
16	Neonatal Nursing/ use ppez
17	exp newborn nursing/ use emez
18	newborn care/ use emez

EARLY SUBMISSION

#	Searches
19	(special and care and baby and unit*).tw.
20	((newborn or neonatal or neo-natal) adj ICU*1).tw.
21	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
22	(SCBU or NICU).tw.
23	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
24	or/12-23
25	11 and 24
26	exp Family/ use ppez
27	exp family/ use emez
28	Caregivers/ use ppez
29	caregiver/ use emez
30	(famil* or parent? or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer*).tw.
31	(sibling* or brother* or sister*).tw.
32	or/26-31
33	25 and 32
34	Professional-Family Relations/
35	Object Attachment/
36	Infant Care/
37	Kangaroo-Mother Care Method/
38	exp Parent-Child Relations/
39	Touch/ or Touch Perception/
40	Facilitated Tucking/
41	Sucking Behavior/
42	Pacifiers/
43	exp Voice/ or Speech/
44	Acoustic Stimulation/
45	Reading/
46	Singing/
47	Music Therapy/
48	Patient Participation/
49	Enteral Nutrition/
50	Bottle Feeding/
51	exp Breast Feeding/
52	Rooming-in Care/
53	or/34-52 use ppez
54	human relation/
55	family centered care/
56	exp emotional attachment/
57	infant care/
58	kangaroo care/
59	exp child parent relation/
60	exp touch/ or tactile stimulation/
61	facilitated tucking/ or body position/
62	sucking/
63	pacifier/
64	voice/ or speech/
65	maternal voice intervention/
66	exp sensory stimulation/
67	reading/
68	singing/
69	music therapy/
70	patient participation/
71	enteric feeding/
72	bottle feeding/
73	exp breast feeding/
74	rooming in/
75	or/54-74 use emez
76	(family?centred or family?centered or family?integrat*).tw.
77	(involv* or interact* or participat* or support* or satisf* or dissatisf* or well being or well?being).tw.
78	development* care.tw.
79	(caregiving or caring or nurtur*).tw.
80	NIDCAP.tw.
81	((skin adj2 skin) or (kangaroo adj2 (care or interact* or position* or support*))).tw.

EARLY SUBMISSION

#	Searches
82	(bond or bonding or attachment).tw.
83	(hold or holding or cuddl* or rock* or swaddl* or touch* or tactile).tw.
84	(suck* or dummy or dummies or pacifier*).tw.
85	(read or reading or sing* or song* or lullab* or talk* or voice* or vocal).tw.
86	((auditory or acoustic or noise) adj2 stimulat*).tw.
87	(tubefeed* or (tube adj feed*) or (enter* adj feed*) or (enter* adj nutrition)).tw.
88	(breastfeed* or (breast adj milk) or breastmilk or breastfed or (breast adj feed*) or (breast adj fed)).tw.
89	(express* adj2 milk).tw.
90	or/76-89
91	53 or 75 or 90
92	33 and 91
93	limit 92 to english language
94	limit 93 to yr="1990 -Current"
95	Letter/ use ppez
96	letter.pt. or letter/ use emez
97	note.pt.
98	editorial.pt.
99	Editorial/ use ppez
100	News/ use ppez
101	exp Historical Article/ use ppez
102	Anecdotes as Topic/ use ppez
103	Comment/ use ppez
104	Case Report/ use ppez
105	case report/ or case study/ use emez
106	(letter or comment*).ti.
107	or/95-106
108	randomized controlled trial/ use ppez
109	randomized controlled trial/ use emez
110	random*.ti.ab.
111	or/108-110
112	107 not 111
113	animals/ not humans/ use ppez
114	animal/ not human/ use emez
115	nonhuman/ use emez
116	exp Animals, Laboratory/ use ppez
117	exp Animal Experimentation/ use ppez
118	exp Animal Experiment/ use emez
119	exp Experimental Animal/ use emez
120	exp Models, Animal/ use ppez
121	animal model/ use emez
122	exp Rodentia/ use ppez
123	exp Rodent/ use emez
124	(rat or rats or mouse or mice).ti.
125	or/112-124
126	94 not 125
127	Epidemiologic Studies/
128	Case Control Studies/
129	Retrospective Studies/
130	Cohort Studies/
131	Longitudinal Studies/
132	Follow-Up Studies/
133	Prospective Studies/
134	Cross-Sectional Studies/
135	or/127-134 use ppez
136	clinical study/
137	case control study/
138	family study/
139	longitudinal study/
140	retrospective study/
141	prospective study/
142	cohort analysis/
143	or/136-142 use emez
144	((retrospective\$ or cohort\$ or longitudinal or follow?up or prospective or cross section\$) adj3 (stud\$ or research or analys\$)).ti.
145	135 or 143 or 144

EARLY SUBMISSION

#	Searches
146	126 and 145
147	remove duplicates from 146

1 Health economics

2 Date of initial search: 18/10/17

3 Database(s): Embase 1980 to 2017 Week 41, Ovid MEDLINE(R) Epub Ahead of Print, In-
4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
5 1946 to Present

6 Date of updated search: 26/06/2018

7 Database(s): Embase 1980 to 2018 Week 26, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	or/1-10
12	exp Intensive Care, Neonatal/ use ppez
13	newborn intensive care/ use emez
14	exp Intensive Care Units, Neonatal/ use ppez
15	neonatal intensive care unit/ use emez
16	Neonatal Nursing/ use ppez
17	exp newborn nursing/ use emez
18	newborn care/ use emez
19	(special and care and baby and unit*).tw.
20	((newborn or neonatal or neo-natal) adj ICU*1).tw.
21	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
22	(SCBU or NICU).tw.
23	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
24	or/12-23
25	11 and 24
26	exp Family/ use ppez
27	exp family/ use emez
28	Caregivers/ use ppez
29	caregiver/ use emez
30	(famil* or parent? or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer*).tw.
31	(sibling* or brother* or sister*).tw.
32	or/26-31
33	25 and 32
34	Professional-Family Relations/
35	Object Attachment/
36	Infant Care/
37	Kangaroo-Mother Care Method/
38	exp Parent-Child Relations/
39	Touch/ or Touch Perception/
40	Facilitated Tucking/
41	Sucking Behavior/
42	Pacifiers/
43	exp Voice/ or Speech/

EARLY SUBMISSION

#	Searches
44	Acoustic Stimulation/
45	Reading/
46	Singing/
47	Music Therapy/
48	Patient Participation/
49	Enteral Nutrition/
50	Bottle Feeding/
51	exp Breast Feeding/
52	Rooming-in Care/
53	or/34-52 use ppez
54	human relation/
55	family centered care/
56	exp emotional attachment/
57	infant care/
58	kangaroo care/
59	exp child parent relation/
60	exp touch/ or tactile stimulation/
61	facilitated tucking/ or body position/
62	sucking/
63	pacifier/
64	voice/ or speech/
65	maternal voice intervention/
66	exp sensory stimulation/
67	reading/
68	singing/
69	music therapy/
70	patient participation/
71	enteric feeding/
72	bottle feeding/
73	exp breast feeding/
74	rooming in/
75	or/54-74 use emez
76	(family?centred or family?centered or family?integrat*).tw.
77	(involv* or interact* or participat* or support* or satisf* or dissatisf* or well being or well?being).tw.
78	development* care.tw.
79	(caregiving or caring or nurtur*).tw.
80	NIDCAP.tw.
81	((skin adj2 skin) or (kangaroo adj2 (care or interact* or position* or support*))).tw.
82	(bond or bonding or attachment).tw.
83	(hold or holding or cuddl* or rock* or swaddl* or touch* or tactile).tw.
84	(suck* or dummy or dummies or pacifier*).tw.
85	(read or reading or sing* or song* or lullab* or talk* or voice* or vocal).tw.
86	((auditory or acoustic or noise) adj2 stimulat*).tw.
87	(tubefeed* or (tube adj feed*) or (enter* adj feed*) or (enter* adj nutrition)).tw.
88	(breastfeed* or (breast adj milk) or breastmilk or breastfed or (breast adj feed*) or (breast adj fed)).tw.
89	(express* adj2 milk).tw.
90	or/76-89
91	53 or 75 or 90
92	33 and 91
93	limit 92 to english language
94	limit 93 to yr="1990 -Current"
95	Letter/ use ppez
96	letter.pt. or letter/ use emez
97	note.pt.
98	editorial.pt.
99	Editorial/ use ppez
100	News/ use ppez
101	exp Historical Article/ use ppez
102	Anecdotes as Topic/ use ppez
103	Comment/ use ppez
104	Case Report/ use ppez
105	case report/ or case study/ use emez
106	(letter or comment*).ti.
107	or/95-106

EARLY SUBMISSION

#	Searches
108	randomized controlled trial/ use ppez
109	randomized controlled trial/ use emez
110	random*.ti,ab.
111	or/108-110
112	107 not 111
113	animals/ not humans/ use ppez
114	animal/ not human/ use emez
115	nonhuman/ use emez
116	exp Animals, Laboratory/ use ppez
117	exp Animal Experimentation/ use ppez
118	exp Animal Experiment/ use emez
119	exp Experimental Animal/ use emez
120	exp Models, Animal/ use ppez
121	animal model/ use emez
122	exp Rodentia/ use ppez
123	exp Rodent/ use emez
124	(rat or rats or mouse or mice).ti.
125	or/112-124
126	94 not 125
127	Economics/
128	Value of life/
129	exp "Costs and Cost Analysis"/
130	exp Economics, Hospital/
131	exp Economics, Medical/
132	Economics, Nursing/
133	Economics, Pharmaceutical/
134	exp "Fees and Charges"/
135	exp Budgets/
136	or/127-135 use ppez
137	health economics/
138	exp economic evaluation/
139	exp health care cost/
140	exp fee/
141	budget/
142	funding/
143	or/137-142 use emez
144	budget*.ti,ab.
145	cost*.ti.
146	(economic* or pharmaco?economic*).ti.
147	(price* or pricing*).ti,ab.
148	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
149	(financ* or fee or fees).ti,ab.
150	(value adj2 (money or monetary)).ti,ab.
151	or/144-149
152	136 or 143 or 151
153	126 and 152
154	remove duplicates from 153

1 Systematic reviews, RCTs and Health economics

2 Date of initial search: 18/10/2017

3 Databases: The Cochrane Library, issue 10 of 12, October 2017

4 Date of updated search: 27/06/2018

5 Databases: The Cochrane Library, issue 6 of 12, June 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies or preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie or premies or low birth weight or very low birth weight):ti,ab,kw

EARLY SUBMISSION

ID	Search
#3	(LBW or VLBW):ti,ab
#4	MeSH descriptor: [Respiratory Distress Syndrome, Newborn] explode all trees
#5	MeSH descriptor: [Intensive Care, Neonatal] explode all trees
#6	MeSH descriptor: [Intensive Care Units, Neonatal] explode all trees
#7	MeSH descriptor: [Neonatal Nursing] explode all trees
#8	((newborn or neonat* or neo-nat*) near/2 (unit or care or department* or facilit* or hospital* or ICU*)):ti,ab,kw
#9	(special near baby next unit*)
#10	(SCBU or NICU):ti,ab
#11	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie* or premies) near/2 (unit* or care or department* or facilit* or hospital*)):ti,ab,kw
#12	{or #1-#11}
#13	MeSH descriptor: [Family] explode all trees
#14	MeSH descriptor: [Caregivers] explode all trees
#15	(famil* or parent or parents or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer* or sibling* or brother* or sister*):ti,ab,kw
#16	{or #13-#15}
#17	#12 and #16 Publication Year from 1990 to 2017
#18	MeSH descriptor: [Professional-Family Relations] this term only
#19	MeSH descriptor: [Object Attachment] this term only
#20	MeSH descriptor: [Infant Care] explode all trees
#21	MeSH descriptor: [Parent-Child Relations] explode all trees
#22	MeSH descriptor: [Touch Perception] explode all trees
#23	MeSH descriptor: [Touch] this term only
#24	MeSH descriptor: [Sucking Behavior] explode all trees
#25	MeSH descriptor: [Pacifiers] this term only
#26	MeSH descriptor: [Voice] explode all trees
#27	MeSH descriptor: [Speech] this term only
#28	MeSH descriptor: [Acoustic Stimulation] this term only
#29	MeSH descriptor: [Reading] this term only
#30	MeSH descriptor: [Singing] this term only
#31	MeSH descriptor: [Music Therapy] this term only
#32	MeSH descriptor: [Patient Participation] this term only
#33	MeSH descriptor: [Enteral Nutrition] explode all trees
#34	MeSH descriptor: [Bottle Feeding] this term only
#35	MeSH descriptor: [Breast Feeding] explode all trees
#36	("family centred" or "family centered" or "family integrat*"):ti,ab
#37	((famil* or parent or parents or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer* or sibling* or brother* or sister*) near (involv* or participat*)):ti,ab,kw
#38	"development* care"
#39	((famil* or parent or parents or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer* or sibling* or brother* or sister*) near (caregiving or caring or nurtur*)):ti,ab,kw
#40	NIDCAP
#41	("skin to skin" or "kangaroo care" or "kangaroo position*" or "kangaroo support*"):ti,ab
#42	((famil* or parent or parents or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer* or sibling* or brother* or sister*) near (bond or bonding or attachment)):ti,ab
#43	((famil* or parent or parents or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer* or sibling* or brother* or sister*) near (hold or holding or cuddl* or rock* or swaddl* or touch* or tactile)):ti,ab
#44	"non-nutriti* suck*" or pacifier* or dummy or dummies:ti,ab
#45	((famil* or parent or parents or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer* or sibling* or brother* or sister*) near (read or reading or sing* or song* or lullab* or talk* or vocal or voice*)):ti,ab
#46	((famil* or parent or parents or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer* or sibling* or brother* or sister*) near (auditory or acoustic or noise or stimulat*)):ti,ab
#47	((famil* or parent or parents or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer* or sibling* or brother* or sister*) near (tubefeed* or (tube near feed*) or (enter* near feed*) or (enter* near nutrition))):ti,ab
#48	((famil* or parent or parents or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer* or sibling* or brother* or sister*) near (breastfeed* or (breast adj milk) or breastmilk or breastfed or (breast adj feed*) or (breast adj fed))):ti,ab
#49	((famil* or parent or parents or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer* or sibling* or brother* or sister*) near (express* near milk*)):ti,ab
#50	{or #18-#49} Publication Year from 1990 to 2017
#51	#17 and #50 Publication Year from 1990 to 2017

EARLY SUBMISSION

Literature search strategies for question 6.2 What support is valued by parents and carers of preterm babies requiring respiratory support?

3 Date of search: 25/09/2017

4 Database(s): Embase 1980 to 2017 Week 39, Ovid MEDLINE(R) Epub Ahead of Print, In-
5 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
6 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	or/1-10
12	exp Intensive Care, Neonatal/ use ppez
13	newborn intensive care/ use emez
14	exp Intensive Care Units, Neonatal/ use ppez
15	neonatal intensive care unit/ use emez
16	Neonatal Nursing/ use ppez
17	exp newborn nursing/ use emez
18	newborn care/ use emez
19	(special and care and baby and unit*).tw.
20	((newborn or neonatal or neo-natal) adj ICU*1).tw.
21	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
22	(SCBU or NICU).tw.
23	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
24	or/12-23
25	11 and 24
26	exp Family/ use ppez
27	exp family/ use emez
28	Caregivers/ use ppez
29	caregiver/ use emez
30	(famil* or parent? or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer*).tw.
31	(sibling* or brother* or sister*).tw.
32	or/26-31
33	25 and 32
34	Stress, Psychological/ use ppez
35	exp stress/ use emez
36	(stress* or anxious or anxiet* or worry or worri* or concern*).tw.
37	exp Adaptation, Psychological/ use ppez
38	psychological adjustment/ use emez
39	exp coping behavior/ use emez
40	exp Social Support/ use ppez
41	caregiver support/ use emez
42	self help/ use emez
43	Self-Help Groups/ use ppez
44	Counseling/ use ppez
45	exp counseling/ use emez
46	counsel*.tw.
47	Crisis Intervention/ use ppez
48	crisis intervention/ use emez
49	Vulnerable Populations/ use ppez
50	vulnerable population/ use emez
51	exp Emotions/ use ppez
52	exp Emotion/ use emez
53	((psychological or psychosocial or emotion* or social* or self or crisis) adj2 (support* or adjust* or intervention*)).tw.

EARLY SUBMISSION

#	Searches
54	(family?centred or family?centered or family?integrat*).tw.
55	(ward round* or involv* or support* or satisf* or dissatisf* or well being or well?being).tw.
56	(caregiving or caring or nurtur*).tw.
57	exp Choice Behavior/ use ppez
58	Decision Support Techniques/ use ppez
59	exp Decision Making/ use ppez
60	decision making/ use emez
61	family decision making/ use emez
62	shared decision making/ use emez
63	Professional-Family Relations/ use ppez
64	human relation/ use emez
65	(choice* or choose* or request* or prefer* or decide* or decision* or seek*).tw.
66	"Hospital Design and Construction"/ use ppez
67	hospital design/ use emez
68	hospital building/ use emez
69	((hospital* or clinic*1 or unit* or department* or facilit*) adj2 (design* or environment* or comfort*)).tw.
70	Rooming-in Care/ use ppez
71	rooming in/ use emez
72	(accommodat* or residen* or living or room*).tw.
73	exp Food/ use ppez
74	exp food/ use emez
75	(food or eat* or drink*).tw.
76	Parking Facilities/ use ppez
77	exp "traffic and transport"/ use emez
78	(parking or transport*).tw.
79	Financial Support/ use ppez
80	(financ* or cost* or money or expense*).tw.
81	exp Child Rearing/ use ppez
82	exp child care/ use emez
83	(child care or childcare).tw.
84	or/34-83
85	33 and 84
86	limit 85 to english language
87	limit 86 to yr="1990-current"
88	Letter/ use ppez
89	letter.pt. or letter/ use emez
90	note.pt.
91	editorial.pt.
92	Editorial/ use ppez
93	News/ use ppez
94	exp Historical Article/ use ppez
95	Anecdotes as Topic/ use ppez
96	Comment/ use ppez
97	Case Report/ use ppez
98	case report/ or case study/ use emez
99	(letter or comment*).ti.
100	or/88-99
101	randomized controlled trial/ use ppez
102	randomized controlled trial/ use emez
103	random*.ti,ab.
104	or/101-103
105	100 not 104
106	animals/ not humans/ use ppez
107	animal/ not human/ use emez
108	nonhuman/ use emez
109	exp Animals, Laboratory/ use ppez
110	exp Animal Experimentation/ use ppez
111	exp Animal Experiment/ use emez
112	exp Experimental Animal/ use emez
113	exp Models, Animal/ use ppez
114	animal model/ use emez
115	exp Rodentia/ use ppez
116	exp Rodent/ use emez
117	(rat or rats or mouse or mice).ti.

EARLY SUBMISSION

#	Searches
118	or/105-117
119	87 not 118
120	Qualitative Research/ use ppez
121	qualitative research/ use emez
122	Interview/ use ppez
123	exp interview/ use emez
124	(theme* or thematic).mp.
125	qualitative.af.
126	Nursing Methodology Research/ use ppez
127	nursing methodology research/ use emez
128	questionnaire*.mp.
129	ethnological research.mp.
130	ethnograph*.mp.
131	ethnonursing.af.
132	phenomenol*.af.
133	(grounded adj (theor* or study or studies or research or analys?s)).af.
134	(life stor* or women* stor* or men* stor* or people* stor* or person* stor*).mp.
135	(emic or etic or hermeneutic* or heuristic* or semiotic*).af. or (data adj1 saturat*).tw. or participant observ*.tw.
136	(social construct* or (postmodern* or post-structural*) or (post structural* or poststructural*) or post modern* or post-modern* or feminis* or interpret*).mp.
137	(action research or cooperative inquir* or co operative inquir* or co-operative inquir*).mp.
138	(humanistic or existential or experiential or paradigm*).mp.
139	(field adj (study or studies or research)).tw.
140	human science.tw.
141	biographical method.tw.
142	theoretical sampl*.af.
143	((purpos* adj4 sampl*) or (focus adj group*)).af.
144	(account or accounts or unstructured or open-ended or open ended or text* or narrative*).mp.
145	(life world or life-world or conversation analys?s or personal experience* or theoretical saturation).mp.
146	((lived or life) adj experience*).mp.
147	cluster sampl*.mp.
148	observational method*.af.
149	content analysis.af.
150	(constant adj (comparative or comparison)).af.
151	((discourse* or discours*) adj3 analys?s).tw.
152	narrative analys?s.af.
153	heidegger*.tw.
154	colaizzi*.tw.
155	spiegelberg*.tw.
156	(van adj manen*).tw.
157	(van adj kaam*).tw.
158	(merleau adj ponty*).tw.
159	husserl*.tw.
160	foucault*.tw.
161	(corbin* adj2 strauss*).tw.
162	glaser*.tw.
163	or/120-162
164	Meta-Analysis/
165	Meta-Analysis as Topic/
166	systematic review/
167	meta-analysis/
168	(meta analy* or metanaly* or metaanaly*).ti,ab.
169	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
170	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
171	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
172	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
173	(search* adj4 literature).ab.
174	(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.
175	cochrane.jw.
176	((pool* or combined) adj2 (data or trials or studies or results)).ab.
177	or/162-163,166,168-173 use ppez
178	or/164-167,169-174 use emez
179	or/177-178
180	163 or 179

EARLY SUBMISSION

#	Searches
181	119 and 180
182	remove duplicates from 181

1 Date of search: 25/09/2017

2 Database(s): AMED (Allied and Complementary Medicine) 1985 to September 2017, Health

3 and Psychosocial Instruments 1985 to July 2017, Maternity & Infant Care Database

4 (MIDIRS) 1971 to August 2017, PsycINFO 1806 to September Week 3 2017

#	Searches
1	Premature Birth/ or Neonatal Period/ or Birth Weight/
2	1 use psych
3	exp Infant Newborn/ use amed
4	((infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	(low adj3 birth adj3 weigh\$).tw.
7	(LBW or VLBW).tw.
8	or/2-7
9	Neonatal Intensive Care/ use psych
10	Intensive Care Neonatal/ use amed
11	(special and care and baby and unit*).tw.
12	((newborn or neonatal or neo-natal) adj ICU*1).tw.
13	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
14	(SCBU or NICU).tw.
15	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
16	or/9-14
17	8 and 16
18	exp Family/ or exp Family Members/ or exp Family Relations/ or Caregivers/
19	18 use psych
20	exp Family/ use amed
21	(famil* or parent? or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer*).tw.
22	(sibling* or brother* or sister*).tw.
23	or/19-22
24	17 and 23
25	Psychological Stress/ or exp Stress Reactions/ or exp Anxiety/ or Emotional Trauma/
26	25 use psych
27	Stress Psychological/ use amed
28	(stress* or anxious or anxiet* or worry or worri* or concern*).tw.
29	"Stress and Coping Measures"/ or Coping Behavior/
30	29 use psych
31	Adaptation Psychological/ use amed
32	Social Support/ or Caregiver Burden/
33	32 use psych
34	Social Support/ use amed
35	exp Counseling/ use psych
36	Counseling/ use amed
37	counsel*.tw.
38	exp Crisis Intervention/ or exp Crisis Intervention Services/
39	38 use psych
40	exp Emotions/ use psych
41	exp Emotion/ use amed
42	((psychological or emotion* or social* or self or crisis) adj2 (support* or adjust* or intervention*)).tw.
43	Parent Perceptions/ or Parental Expectations/ or Parental Involvement/ or Parental Role/ or Parenting/
44	43 use psych
45	Family-Centered Care/ use psych
46	(family?centred or family?centered or family?integrat*).tw.
47	(ward round* or involv* or support* or satisf* or dissatisf* or well being or well?being).tw.
48	(caregiving or caring or nurtur*).tw.
49	((professional? or staff* or personnel or doctor? or physician? or consultant? or nurse?) adj3 (relation* or interact* or involv* or meet* or collaborat* or rapport*)).tw.
50	Nurse-Parent Interaction/ use psych
51	exp Choice Behavior/ use psych
52	Decision Making/ use psych

EARLY SUBMISSION

#	Searches
53	Shared Decision Making/ use psych
54	exp Decision Making/ use aimed
55	Professional Family Relations/ use aimed
56	(choice* or choose* or request* or prefer* or decide* or decision* or seek*).tw.
57	exp Health Facilities/ use aimed
58	exp Facility Environment/ use psych
59	((hospital* or clinic*1 or unit* or department* or facilit*) adj2 (design* or environment* or comfort*)).tw.
60	(accommodat* or residen* or living or room*).tw.
61	exp Eating Behavior/ or exp Drinking Behavior/
62	61 use psych
63	exp Food/ and Beverages/ use aimed
64	(food or eat* or drink*).tw.
65	(parking or transport*).tw.
66	Financial Strain/ use psych
67	exp Financing Personal/ use aimed
68	(financ* or cost* or money).tw.
69	exp Child Care/ use psych
70	exp Child Care/ use aimed
71	(child care or childcare).tw.
72	or/26-28,30-31,33-37,39-42,44-60,62-71
73	24 and 72
74	Qualitative Research/ use psych
75	qualitative.tw.
76	interview*.tw.
77	(theme* or thematic).tw.
78	questionnaire*.tw.
79	(ethnological research or ethnograph* or ethnosing or phenomenol*).tw.
80	(grounded adj (theor* or study or studies or research or analys?s)).tw.
81	(life stor* or women* stor* or men* stor* or people* stor* or person* stor*).tw.
82	(emic or etic or hermeneutic* or heuristic* or semiotic*).af. or (data adj1 saturat*).tw. or participant observ*.tw.
83	(social construct* or (postmodern* or post-structural*) or (post structural* or poststructural*) or post modern* or post-modern* or feminis* or interpret*).tw.
84	(action research or cooperative inquir* or co operative inquir* or co-operative inquir*).tw.
85	(humanistic or existential or experiential or paradigm*).tw.
86	(field adj (study or studies or research)).tw.
87	(human science or biographical method or theoretical sampl*).tw.
88	((purpos* adj4 sampl*) or (focus adj group)).tw.
89	(account or accounts or unstructured or open-ended or open ended or text* or narrative* or life world or life-world or conversation analys?s or personal experience* or theoretical saturation).tw.
90	((lived or life) adj experience*).tw.
91	(cluster sampl* or observational method* or content analysis or (constant adj (comparative or comparison))).tw.
92	((discourse* or discours*) adj3 analys?s) or narrative analys?s).tw.
93	or/74-92
94	Meta Analysis/ use psych
95	Meta Analysis/ use aimed
96	(meta analy* or metanaly* or metaanaly*).tw.
97	((systematic* or evidence*) adj2 (review* or overview)).tw.
98	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
99	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
100	(search* adj4 literature).ab.
101	(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.
102	cochrane.jw.
103	((pool* or combined) adj2 (data or trials or studies or results)).ab.
104	or/94-103
105	93 or 104
106	73 and 105
107	limit 106 to english language [Limit not valid in MWIC; records were retained]
108	limit 107 to yr="1990 -Current"
109	remove duplicates from 108

1 Date of search: 25/09/2017

EARLY SUBMISSION

- 1 Database(s): CINAHL Plus (Cumulative Index to Nursing and Allied Health Literature) 1937-
- 2 current, EBSCO Host

#	Query
S101	S53 AND S100
S100	S87 OR S99
S99	S88 OR S89 OR S90 OR S91 OR S92 OR S93 OR S94 OR S95 OR S96 OR S97 OR S98
S98	AB ((pool* or combined) N2 (data or trials or studies or results))
S97	(MH "Cochrane Library")
S96	AB (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)
S95	AB (search* N4 literature)
S94	AB (search strategy or search criteria or systematic search or study selection or data extraction)
S93	AB (reference list* or bibliograph* or hand search* or manual search* or relevant journals)
S92	TX ((systematic* or evidence*) N2 (review* or overview*))
S91	TX ((systematic or evidence) N2 (review* or overview*))
S90	TX (meta analy* or metanaly* or metaanaly*)
S89	(MH "Meta Analysis")
S88	(MH "Systematic Review")
S87	S54 OR S55 OR S56 OR S57 OR S58 OR S59 OR S60 OR S61 OR S62 OR S63 OR S64 OR S65 OR S66 OR S67 OR S68 OR S69 OR S70 OR S71 OR S72 OR S73 OR S74 OR S75 OR S76 OR S77 OR S78 OR S79 OR S80 OR S81 OR S82 OR S83 OR S84 OR S85 OR S86
S86	TX (constant N1 (comparative or comparison))
S85	TX ((discourse* or discours or narrative)* N3 analys?s)
S84	TX (cluster sampl* or theme* or thematic or observational method* or questionnaire* or content analysis)
S83	TX (life world or life-world or conversation analys?s or personal experience* or theoretical saturation or lived experience* or life experience*)
S82	TX (focus group or account or accounts or unstructured or open-ended or open ended or text* or narrative* or life world or life-world or conversation analys?s or personal experience* or theoretical saturation)
S81	TX (biographical method or theoretical sampl* or (purpos* N4 sampl*))
S80	TX (field N (study or studies or research))
S79	TX (action research or cooperative inquir* or co operative inquir* or co-operative inquir* or humanistic or existential or experiential or paradigm*)
S78	TX (social construct* or postmodern* or post-structural* or post structural* or poststructural* or post modern* or post-modern* or feminis* or interpret*)
S77	TX ((emic or etic or hermeneutic* or heuristic* or semiotic*) or (data near saturat*) or participant observ*)
S76	TX (life stor* or women* stor* or men* stor* or people* stor* or person* stor*)
S75	TX (grounded N (theor* or study or studies or research or analys?s))
S74	TX (ethnonursing or ethnograph* or phenomenol*)
S73	(MH "Cluster Sample+")
S72	(MH "Life Experiences+")
S71	(MH "Phenomenological Research")
S70	(MH "Theoretical Sample")
S69	(MH "Field Studies")
S68	(MH "Purposive Sample")
S67	(MH "Qualitative Validity+")
S66	(MH "Constant Comparative Method")
S65	(MH "Ethnonursing Research")
S64	(MH "Ethnological Research")
S63	(MH "Ethnographic Research")
S62	(MH "Content Analysis")
S61	(MH "Discourse Analysis")
S60	(MH "Observational Methods+")
S59	(MH "Focus Groups")
S58	(MH "Questionnaires+")
S57	(MH "Research, Nursing")
S56	(MH "Grounded Theory")
S55	(MH "Interviews+")
S54	(MH "Qualitative Studies+")
S53	S20 AND S52
S52	S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27 OR S28 OR S29 OR S30 OR S31 OR S32 OR S33 OR S34 OR S35 OR S36 OR S37 OR S38 OR S39 OR S40 OR S41 OR S42 OR S43 OR S44 OR S45 OR S46 OR S47 OR S48 OR S49 OR S50 OR S51
S51	TX (child care or childcare)
S50	(MH "Child Care+")
S49	TX (financ* or cost* or money or expense*)
S48	(MH "Financial Support")

EARLY SUBMISSION

#	Query
S47	TX (parking or transport*)
S46	TX (food or eat* or drink*)
S45	(MH "Food Preferences")
S44	TX (accommodat* or residen* or living or room*)
S43	(MH "Rooming In")
S42	TX ((hospital* or clinic or clinics or unit* or department* or facilit*) N (design* or environment* or comfort*))
S41	(MH "Interior Design and Furnishings+")
S40	(MH "Family Attitudes+")
S39	(MH "Professional-Family Relations")
S38	TX (choice* or choose* or request* or prefer* or decide* or decision* or seek*)
S37	(MH "Decision Making+")
S36	TX (caregiving or caring or nurtur*)
S35	TX (ward round* or involv* or support* or satisf* or dissatisf* or well being)
S34	TX (family centred or family centered or family integrat*)
S33	TX ((psychological or psychosocial or emotion* or social* or self or crisis) near (support* or adjust* or intervention*))
S32	TX ((psychological or psychosocial or emotion* or social* or self or crisis) near2 (support* or adjust* or intervention*))
S31	(MH "Emotions+")
S30	TX (counsel* or psychotherap* or family therapy)
S29	(MH "Crisis Intervention") OR (MH "Special Populations")
S28	(MH "Crisis Intervention")
S27	(MH "Counseling+")
S26	(MH "Support Groups")
S25	(MH "Coping+")
S24	(MH "Support, Psychosocial")
S23	(MH "Adaptation, Psychological+")
S22	TX (stress* or anxious or anxiet* or worry or worri* or concern*)
S21	(MH "Stress, Psychological+")
S20	S15 AND S19
S19	S16 OR S17 OR S18
S18	TX (famil* or parent? or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer* or sibling* or brother* or sister*)
S17	(MH "Caregivers")
S16	(MH "Family+")
S15	S6 AND S14
S14	S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13
S13	TX ((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie or premies) N (unit* or care or department* or facilit* or hospital*))
S12	TX (SCBU or NICU)
S11	TX ((newborn or neonat* or neo-nat*) near (unit or care or department* or facilit* or hospital* or ICU*))
S10	TX (special and care and baby and unit*)
S9	(MH "Neonatal Nursing+")
S8	(MH "Intensive Care Units, Neonatal")
S7	(MH "Intensive Care, Neonatal+")
S6	S1 OR S2 OR S3 OR S5
S5	S1 AND S4
S4	(MH "Respiratory Distress Syndrome+")
S3	TX (low birth weight or very low birth weight)
S2	TX (infan* or neonat* or neo-nat* or newborn* or baby or babies or preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie or premies)
S1	(MH "Infant, Newborn+")

1 Date of search: 25/09/2017

2 Database(s): Wiley Web of Science Social Science Citation Index (SSCI) 1900 to present

#	Searches
#40	#39 AND #26 DocType=All document types; Language=All languages;
#39	#38 OR #35 DocType=All document types; Language=All languages;
#38	#37 OR #36 DocType=All document types; Language=All languages;
#37	TS=((reference list* or bibliograph* or hand search* or manual search* or relevant journals or search strategy or search criteria or systematic search or study selection or data extraction or 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) or

EARLY SUBMISSION

#	Searches
	(search* NEAR literature)) DocType=All document types; Language=All languages;
#36	TS=((meta analy* or metanaly* or metaanaly*) or ((systematic* or evidence*) NEAR (review* or overview*))) or ((pool* or combined) NEAR (data or trials or studies or results)) DocType=All document types; Language=All languages;
#35	#34 OR #33 OR #32 OR #31 OR #30 OR #29 OR #28 OR #27 DocType=All document types; Language=All languages;
#34	TS=((constant NEAR (comparative or comparison)) or ((discourse* or discours*) NEAR analys?s)) DocType=All document types; Language=All languages;
#33	TS=((lived or life) NEAR experience*) DocType=All document types; Language=All languages;
#32	TS=((purpos* NEAR sampl*) or (focus NEAR group*)) DocType=All document types; Language=All languages;
#31	TS=(field NEAR (study or studies or research)) DocType=All document types; Language=All languages;
#30	TS=(social construct* or (postmodern* or post-structural*) or (post structural* or poststructural*) or post modern* or post-modern* or feminis* or interpret*) DocType=All document types; Language=All languages;
#29	TS=((emic or etic or hermeneutic* or heuristic* or semiotic*) or (data NEAR saturat*) or participant observ*) DocType=All document types; Language=All languages;
#28	TS=(grounded NEAR (theor* or study or studies or research or analys?s)) DocType=All document types; Language=All languages;
#27	TS=(qualitative or interview* or questionnaire* or theme* or thematic or ethnograph* or ethnours* or phenomenol* or action research or cooperative inquir* or co operative inquir* or co-operative inquir* or humanistic or existential or experiential or paradigm* or human science or biographical method or theoretical sampl* or account or accounts or unstructured or open-ended or open ended or text* or narrative* or life world or life-world or conversation analys?s or personal experience* or theoretical saturation or cluster sampl* or observational method* or content analysis or narrative analys?s) DocType=All document types; Language=All languages;
#26	#25 AND #12 DocType=All document types; Language=All languages;
#25	#24 OR #23 OR #22 OR #21 OR #20 OR #19 OR #18 OR #17 OR #16 OR #15 OR #14 OR #13 DocType=All document types; Language=All languages;
#24	TS=(childcare or child care) DocType=All document types; Language=All languages;
#23	TS=(financ* or cost* or money or expense*) DocType=All document types; Language=All languages;
#22	TS=(parking or transport*) DocType=All document types; Language=All languages;
#21	TS=(food or eat* or drink*) DocType=All document types; Language=All languages;
#20	TS=((hospital* or clinic or clinics or unit* or department* or facilit*) NEAR (design* or environment* or comfort*)) DocType=All document types; Language=All languages;
#19	TS=(choice* or choose* or request* or prefer* or decide* or decision* or seek*) DocType=All document types; Language=All languages;
#18	TS=(caregiving or caring or nurtur*) DocType=All document types; Language=All languages;
#17	TS=(ward round* or invol* or support* or satisf* or dissatisf* or well being or well-being or wellbeing) DocType=All document types; Language=All languages;
#16	TS=(family centred or family-centred or family centered or family-centered or family integrat* or family-integrat*) DocType=All document types; Language=All languages;
#15	TS=((psychological or psychosocial or emotion* or social* or self or crisis) NEAR (support* or adjust* or intervention*)) DocType=All document types; Language=All languages;
#14	TS=(counsel* or self help or support group* or crisis intervention or vulnerable) DocType=All document types; Language=All languages;
#13	TS=(stress* or anxious or anxiet* or worry or worri* or concern* or coping) DocType=All document types; Language=All languages;
#12	#11 AND #10 DocType=All document types; Language=All languages;
#11	TS=(famil* or parent? or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer* or sibling* or brother* or sister*) DocType=All document types; Language=All languages;
#10	#9 AND #4 DocType=All document types; Language=All languages;
#9	#8 OR #7 OR #6 OR #5 DocType=All document types; Language=All languages;

EARLY SUBMISSION

#	Searches
#8	TS=((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie or pre?mies) NEAR (unit* or care or department* or facilit* or hospital*)) DocType=All document types; Language=All languages;
#7	TS=(SCBU or NICU) DocType=All document types; Language=All languages;
#6	TS=((newborn or neonat* or neo-nat*) NEAR (unit or care or department* or facilit* or hospital* or ICU*)) DocType=All document types; Language=All languages;
#5	TS=(special and care and baby and unit*) DocType=All document types; Language=All languages;
#4	#3 OR #2 OR #1 DocType=All document types; Language=All languages;
#3	TS=(low birth weight) DocType=All document types; Language=All languages;
#2	TS=(preterm or pre-term or prematur* or pre-matur* or pre?mie or pr?emies) DocType=All document types; Language=All languages;
#1	TS=(infan* or neonat* or neo-nat* or newborn* or baby or babies) DocType=All document types; Language=All languages;

1 Health economics

2 Date of search: 25/09/2017

3 Database(s): Embase 1980 to 2017 Week 39, Ovid MEDLINE(R) Epub Ahead of Print, In-

4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

5 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	((infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw. (preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
5	exp low birth weight/ use emez
6	(low adj3 birth adj3 weigh\$).tw.
7	(LBW or VLBW).tw.
8	exp Respiratory Distress Syndrome, Newborn/ use ppez
9	neonatal respiratory distress syndrome/ use emez
10	or/1-10
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	((newborn or neonatal or neo-natal) adj ICU*1).tw.
20	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
21	(SCBU or NICU).tw.
22	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
23	or/12-23
24	11 and 24
25	exp Family/ use ppez
26	exp family/ use emez
27	Caregivers/ use ppez
28	caregiver/ use emez
29	(famil* or parent? or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer*).tw.
30	(sibling* or brother* or sister*).tw.
31	or/26-31
32	25 and 32
33	Stress, Psychological/ use ppez
34	exp stress/ use emez
35	(stress* or anxious or anxiet* or worry or worri* or concern*).tw.
36	

EARLY SUBMISSION

#	Searches
37	exp Adaptation, Psychological/ use ppez
38	psychological adjustment/ use emez
39	exp coping behavior/ use emez
40	exp social support/ use ppez
41	caregiver support/ use emez
42	self help/ use emez
43	Self-Help Groups/ use ppez
44	Counseling/ use ppez
45	exp counseling/ use emez
46	counsel*.tw.
47	Crisis Intervention/ use ppez
48	crisis intervention/ use emez
49	Vulnerable Populations/ use ppez
50	vulnerable population/ use emez
51	exp Emotions/ use ppez
52	exp Emotion/ use emez
53	((psychological or emotion* or social* or self or crisis) adj2 (support* or adjust* or intervention*)).tw.
54	(family?centred or family?centered or family?integrat*).tw.
55	(involv* or support* or satisf* or dissatis* or well being or well?being).tw.
56	(caregiving or caring or nurtur*).tw.
57	exp Choice Behavior/ use ppez
58	Decision Support Techniques/ use ppez
59	exp Decision Making/ use ppez
60	decision making/ use emez
61	family decision making/ use emez
62	shared decision making/ use emez
63	Professional-Family Relations/ use ppez
64	human relation/ use emez
65	(choice* or choose* or request* or prefer* or decide* or decision* or seek*).tw.
66	"Hospital Design and Construction"/ use ppez
67	hospital design/ use emez
68	hospital building/ use emez
69	((hospital* or clinic*1 or unit* or department* or facilit*) adj2 (design* or environment* or comfort*)).tw.
70	Rooming-in Care/ use ppez
71	rooming in/ use emez
72	(accommodat* or residen* or living or room*).tw.
73	exp Food/ use ppez
74	exp food/ use emez
75	(food or eat* or drink*).tw.
76	Parking Facilities/ use ppez
77	exp "traffic and transport"/ use emez
78	(parking or transport*).tw.
79	Financial Support/ use ppez
80	(financ* or cost* or money).tw.
81	exp Child Rearing/ use ppez
82	exp child care/ use emez
83	(child care or childcare).tw.
84	or/34-83
85	33 and 84
86	limit 85 to english language
87	limit 86 to yr="1990-current"
88	Letter/ use ppez
89	letter.pt. or letter/ use emez
90	note.pt.
91	editorial.pt.
92	Editorial/ use ppez
93	News/ use ppez
94	exp Historical Article/ use ppez
95	Anecdotes as Topic/ use ppez
96	Comment/ use ppez
97	Case Report/ use ppez
98	case report/ or case study/ use emez
99	(letter or comment*).ti.
100	or/88-99

EARLY SUBMISSION

#	Searches
101	randomized controlled trial/ use ppez
102	randomized controlled trial/ use emez
103	random*.ti,ab.
104	or/101-103
105	100 not 104
106	animals/ not humans/ use ppez
107	animal/ not human/ use emez
108	nonhuman/ use emez
109	exp Animals, Laboratory/ use ppez
110	exp Animal Experimentation/ use ppez
111	exp Animal Experiment/ use emez
112	exp Experimental Animal/ use emez
113	exp Models, Animal/ use ppez
114	animal model/ use emez
115	exp Rodentia/ use ppez
116	exp Rodent/ use emez
117	(rat or rats or mouse or mice).ti.
118	or/105-117
119	87 not 118
120	Economics/
121	Value of life/
122	exp "Costs and Cost Analysis"/
123	exp Economics, Hospital/
124	exp Economics, Medical/
125	Economics, Nursing/
126	Economics, Pharmaceutical/
127	exp "Fees and Charges"/
128	exp Budgets/
129	or/120-128 use ppez
130	health economics/
131	exp economic evaluation/
132	exp health care cost/
133	exp fee/
134	budget/
135	funding/
136	or/130-135 use emez
137	budget*.ti,ab.
138	cost*.ti.
139	(economic* or pharmaco?economic*).ti.
140	(price* or pricing*).ti,ab.
141	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
142	(financ* or fee or fees).ti,ab.
143	(value adj2 (money or monetary)).ti,ab.
144	or/137-142
145	129 or 136 or 144
146	119 and 145
147	remove duplicates from 146

1 Date of search: 25/09/2017

2 Database(s): The Cochrane Library, issue 9 of 12, September 2017

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or new-born* or baby or babies or preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie or premies)
#3	((low adj3 birth near/3 weigh*) or (LBW or VLBW))
#4	MeSH descriptor: [Respiratory Distress Syndrome, Newborn] explode all trees
#5	MeSH descriptor: [Intensive Care, Neonatal] explode all trees
#6	MeSH descriptor: [Intensive Care Units, Neonatal] explode all trees
#7	(special care baby unit* or ((newborn or neonatal) near ICU*1) or (SCBU or NICU))
#8	{or #1-#7}
#9	MeSH descriptor: [Family] explode all trees
#10	MeSH descriptor: [Caregivers] this term only

EARLY SUBMISSION

ID	Search
#11	(famil* or parent? or parental or mother* or maternal or father* or paternal or grandparent* or grandmother* or grandfather* or caregiver* or carer*)
#12	{or #9-#11}
#13	#8 and #12
#14	MeSH descriptor: [Stress, Psychological] this term only
#15	(stress* or anxious or anxiet* or worry or worri* or concern*)
#16	MeSH descriptor: [Adaptation, Psychological] explode all trees
#17	MeSH descriptor: [Social Support] explode all trees
#18	MeSH descriptor: [Self-Help Groups] this term only
#19	MeSH descriptor: [Counseling] explode all trees
#20	(counsel* or crisis or crises) .tw.
#21	MeSH descriptor: [Crisis Intervention] this term only
#22	MeSH descriptor: [Vulnerable Populations] explode all trees
#23	MeSH descriptor: [Emotions] explode all trees
#24	((psychological or psychosocial or emotion* or social* or self or crisis) near/2 (support* or adjust* or intervention*))
#25	(family centred or family centered or family integrat* or ward round* or involv* or support* or satisf* or dissatisf* or well being or wellbeing or caregiving or caring or nurtur*)
#26	MeSH descriptor: [Choice Behavior] explode all trees
#27	MeSH descriptor: [Decision Support Techniques] explode all trees
#28	MeSH descriptor: [Decision Making] explode all trees
#29	(choice* or choose* or request* or prefer* or decide* or decision* or seek*)
#30	Professional-Family Relations
#31	MeSH descriptor: [Hospital Design and Construction] this term only
#32	((hospital* or clinic*1 or unit* or department* or facilit*) near/2 (design* or environment* or comfort*)) or (accommodat* or residen* or living or room*)
#33	MeSH descriptor: [Rooming-in Care] explode all trees
#34	(food or eat* or drink*)
#35	MeSH descriptor: [Parking Facilities] this term only
#36	(parking or transport*)
#37	MeSH descriptor: [Financial Support] this term only
#38	(financ* or cost* or money)
#39	MeSH descriptor: [Child Rearing] explode all trees
#40	(child care or childcare)
#41	{or #14-#40}
#42	#13 and #41 Publication Year from 1990 to 2017

Literature search strategies for question 6.3 What information, and in what format, is valued by parents and carers of preterm babies who are receiving respiratory support on the neonatal unit?

4 Date of initial search: 09/10/2017

5 Database(s): Embase 1980 to 2017 Week 41, Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti.ab.jw.nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	or/1-10
12	exp Intensive Care, Neonatal/ use ppez
13	newborn intensive care/ use emez
14	exp Intensive Care Units, Neonatal/ use ppez
15	neonatal intensive care unit/ use emez
16	Neonatal Nursing/ use ppez

EARLY SUBMISSION

#	Searches
17	exp newborn nursing/ use emez
18	newborn care/ use emez
19	(special and care and baby and unit*).tw.
20	((newborn or neonatal or neo-natal) adj ICU*1).tw.
21	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
22	(SCBU or NICU).tw.
23	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
24	or/12-23
25	11 and 24
26	exp Family/ use ppez
27	exp family/ use emez
28	Caregivers/ use ppez
29	caregiver/ use emez
30	(famil* or parent* or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer*).tw.
31	(sibling* or brother* or sister*).tw.
32	or/26-31
33	25 and 32
34	Health Education/mt
35	exp Consumer Health Information/
36	Patient Education as Topic/
37	Patient Education Handout/
38	Communication/
39	Health Communication/
40	Health Promotion/
41	Information Dissemination/
42	exp Access to Information/
43	Professional-Family Relations/
44	Self-Help Groups/
45	exp Peer Group/
46	Charities/
47	Hotlines/
48	Publications/
49	Pamphlets/
50	Video-Audio Media/
51	exp Educational Technology/
52	exp Telephone/
53	exp Internet/
54	Webcasts/
55	exp Videoconferencing/
56	Electronic Mail/
57	Text Messaging/
58	Social Networking/
59	"Instructional Films and Videos"/
60	Computer-Assisted Instruction/
61	or/34-60 use ppez
62	health education/
63	health promotion/
64	breast feeding education/
65	parenting education/
66	patient education/
67	information/
68	information dissemination/
69	consumer health information/
70	patient information/
71	medical information/
72	access to information/
73	interpersonal communication/
74	doctor patient relation/
75	nurse patient relationship/
76	self help/
77	support group/
78	peer group/ or peer counseling/
79	hotline/

EARLY SUBMISSION

#	Searches
80	publication/
81	technology/
82	videotape/
83	television/
84	telephone/
85	exp mobile phone/
86	Internet/
87	webcast/
88	e-mail/
89	text messaging/
90	blogging/
91	social media/
92	videoconferencing/
93	or/62-92 use emez
94	patient education handout.pt.
95	(pamphlet* or leaflet* or book*1 or booklet* or diary or diaries or manual* or brochure* or publication* or handout* or magazine* or binder* or journey box* or video* or dvd* or audio* or "face to face" or "in person").tw.
96	((information* or educat* or neonatal) adj3 (model* or group* or program* or need* or requirement* or support* or seek* or access* or disseminat*).tw.
97	(learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or involvement or support* or counsel*).ti.
98	((language* or age* or gender* or cultur* or person* or ethnic*) adj3 (information* or educat* or learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or involvement or support* or counsel*).ti.
99	((timing or frequency or access* or availab* or equal*) and (inform* or educat* or learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or consult* or involvement or support* or counsel* or discuss*).tw.
100	charit*.tw.
101	(hotline* or call line or helpline* or telephone* or phone* or smartphone* or mobile* or email* or texting or messaging or skype or facetime or teleconferenc* or videoconferenc*).tw.
102	(electronic* or online or on-line or internet or website* or web site* or web page* or webpage* or app*1 or social network* or social media* or facebook* or twitter or blog* or webinar* or webcast* or podcast* or youtube or webcam*).tw.
103	or/94-102
104	61 or 93 or 103
105	33 and 104
106	limit 105 to english language
107	limit 106 to yr="1990 -Current"
108	Letter/ use ppez
109	letter.pt. or letter/ use emez
110	note.pt.
111	editorial.pt.
112	Editorial/ use ppez
113	News/ use ppez
114	exp Historical Article/ use ppez
115	Anecdotes as Topic/ use ppez
116	Comment/ use ppez
117	Case Report/ use ppez
118	case report/ or case study/ use emez
119	(letter or comment*).ti.
120	or/108-119
121	randomized controlled trial/ use ppez
122	randomized controlled trial/ use emez
123	random*.ti,ab.
124	or/121-123
125	120 not 124
126	animals/ not humans/ use ppez
127	animal/ not human/ use emez
128	nonhuman/ use emez
129	exp Animals, Laboratory/ use ppez
130	exp Animal Experimentation/ use ppez
131	exp Animal Experiment/ use emez
132	exp Experimental Animal/ use emez
133	exp Models, Animal/ use ppez
134	animal model/ use emez

EARLY SUBMISSION

#	Searches
135	exp Rodentia/ use ppez
136	exp Rodent/ use emez
137	(rat or rats or mouse or mice).ti.
138	or/125-137
139	107 not 138
140	Meta-Analysis/
141	Meta-Analysis as Topic/
142	systematic review/
143	meta-analysis/
144	(meta analy* or metanaly* or metaanaly*).ti,ab.
145	((systematic or evidence) adj2 (review* or overview*)).ti,ab.
146	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.
147	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
148	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
149	(search* adj4 literature).ab.
150	(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.
151	cochrane.jw.
152	((pool* or combined) adj2 (data or trials or studies or results)).ab.
153	or/140-141,144,146-151 use ppez
154	or/142-145,147-152 use emez
155	or/153-154
156	Qualitative Research/ use ppez
157	qualitative research/ use emez
158	Interview/ use ppez
159	exp interview/ use emez
160	(theme* or thematic).mp.
161	qualitative.af.
162	Nursing Methodology Research/ use ppez
163	nursing methodology research/ use emez
164	questionnaire*.mp.
165	ethnological research.mp.
166	ethnograph*.mp.
167	ethnonursing.af.
168	phenomenol*.af.
169	(grounded adj (theor* or study or studies or research or analys?s)).af.
170	(life stor* or women* stor* or men* stor* or people* stor* or person* stor*).mp.
171	(emic or etic or hermeneutic* or heuristic* or semiotic*).af. or (data adj1 saturat*).tw. or participant observ*.tw.
172	(social construct* or (postmodern* or post-structural*) or (post structural* or poststructural*) or post modern* or post-modern* or feminis* or interpret*).mp.
173	(action research or cooperative inquir* or co operative inquir* or co-operative inquir*).mp.
174	(humanistic or existential or experiential or paradigm*).mp.
175	(field adj (study or studies or research)).tw.
176	human science.tw.
177	biographical method.tw.
178	theoretical sampl*.af.
179	((purpos* adj4 sampl*) or (focus adj group*)).af.
180	(account or accounts or unstructured or open-ended or open ended or text* or narrative*).mp.
181	(life world or life-world or conversation analys?s or personal experience* or theoretical saturation).mp.
182	((lived or life) adj experience*).mp.
183	cluster sampl*.mp.
184	observational method*.af.
185	content analysis.af.
186	(constant adj (comparative or comparison)).af.
187	((discourse* or discurs*) adj3 analys?s).tw.
188	narrative analys?s.af.
189	heidegger*.tw.
190	colaizzi*.tw.
191	spiegelberg*.tw.
192	(van adj manen*).tw.
193	(van adj kaam*).tw.
194	(merleau adj ponty*).tw.
195	husserl*.tw.
196	foucault*.tw.
197	(corbin* adj2 strauss*).tw.

EARLY SUBMISSION

#	Searches
198	glaser*.tw.
199	or/156-198
200	155 or 199
201	139 and 200
202	remove duplicates from 201

1 Date of initial search: 09/10/2017

2 Database(s): AMED (Allied and Complementary Medicine) 1985 to September 2017,

3 Maternity & Infant Care Database (MIDIRS) 1971 to September 2017, PsycINFO 1806 to

4 October Week 1

#	Searches
1	Premature Birth/ or Neonatal Period/ or Birth Weight/
2	1 use psych
3	exp Infant Newborn/ use amed
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	(low adj3 birth adj3 weigh*).tw.
7	(LBW or VLBW).tw.
8	or/2-7
9	Neonatal Intensive Care/ use psych
10	Intensive Care Neonatal/ use amed
11	(special and care and baby and unit*).tw.
12	((newborn or neonatal or neo-natal) adj ICU*1).tw.
13	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
14	(SCBU or NICU).tw.
15	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
16	or/9-15
17	8 and 16
18	exp Family/ or exp Family Members/ or exp Family Relations/ or Caregivers/
19	18 use psych
20	exp Family/ use amed
21	(famil* or parent? or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer*).tw.
22	(sibling* or brother* or sister*).tw.
23	or/18-22
24	17 and 23
25	exp Health Education/ use psych
26	exp health education/ use amed
27	Client Education/ use psych
28	exp Communication/ use psych
29	exp Communication/ use amed
30	exp Health Complaints/ use psych
31	exp Health Promotion/ use psych
32	Health Promotion/ use amed
33	Information Dissemination/ use psych
34	Information Seeking/ use psych
35	Professional-Family Relations/ use amed
36	Self-Help Groups/ use amed
37	Support Groups/ use psych
38	Peers/ use psych

EARLY SUBMISSION

#	Searches
39	Peer Group/ use amed
40	Charities/ use amed
41	Organizations/ use psych
42	Hot Line Services/ use psych
43	Hotlines/ use amed
44	exp Communications Media/ use psych
45	exp Communications Media/ use amed
46	Internet/ or Websites/ or Blog/ or exp Social Media/
47	46 use psych
48	Text Messaging/ or exp Mobile Devices/
49	48 use psych
50	Instructional Media/ or Audiovisual Instruction/ or Computer-Assisted Instruction/
51	50 use psych
52	Computer Assisted Instruction/ use amed
53	Parent Training/ or Parenting Skills/
54	53 use psych
55	Patient Education/ use amed
56	or/25-45,47,49,51-52,54-55
57	(pamphlet* or leaflet* or book*1 or booklet* or diary or diaries or manual* or brochure* or publication* or handout* or magazine* or binder* or journey box* or video* or dvd* or audio* or "face to face" or "in person").tw.
58	((information* or educat* or neonatal) adj3 (model* or group* or program* or need* or requirement* or support* or seek* or access* or disseminat*).tw.
59	(learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or involvement or support* or counsel*).ti.
60	((language* or age* or gender* or cultur* or person* or stage* of life or life stage* or lifestyle* or leisure) adj3 (information* or educat* or learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or involvement or support* or counsel*).ti.
61	((timing or frequency or access* or availab* or equal*) and (inform* or educat* or learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or consult* or involvement or support* or counsel* or discuss*).tw.
62	charit*.tw.
63	(hotline* or call line or helpline* or telephone* or phone* or smartphone* or mobile* or texting or messaging or skype or facetime or videoconferenc*).tw.
64	(electronic* or online or on-line or internet or website* or web site* or web page* or webpage* or app*1 or social network* or social media* or facebook* or twitter or blog* or webinar* or webcast* or podcast* or youtube or webcam*).tw.
65	or/57-64
66	56 or 65
67	24 and 66
68	limit 67 to english language [Limit not valid in MWIC; records were retained]
69	limit 68 to yr="1990 -Current"
70	Qualitative Research/ use psych
71	qualitative.tw.
72	interview*.tw.
73	(theme* or thematic).tw.
74	questionnaire*.tw.
75	(ethnological research or ethnograph* or ethnonursing or phenomenol*).tw.
76	(grounded adj (theor* or study or studies or research or analys?s)).tw.
77	(life stor* or women* stor* or men* stor* or people* stor* or person* stor*).tw.
78	(emic or etic or hermeneutic* or heuristic* or semiotic*).af. or (data adj1 saturat*).tw. or participant observ*.tw.
79	(social construct* or (postmodern* or post-structural*) or (post structural* or poststructural*) or post modern* or post-modern* or feminis* or interpret*).tw.

EARLY SUBMISSION

#	Searches
80	(action research or cooperative inquir* or co operative inquir* or co-operative inquir*).tw.
81	(humanistic or existential or experiential or paradigm*).tw.
82	(field adj (study or studies or research)).tw.
83	(human science or biographical method or theoretical sampl*).tw.
84	((purpos* adj4 sampl*) or (focus adj group*)).tw.
85	(account or accounts or unstructured or open-ended or open ended or text* or narrative* or life world or life-world or conversation analys?s or personal experience* or theoretical saturation).tw.
86	((lived or life) adj experience*).tw.
87	(cluster sampl* or observational method* or content analysis or (constant adj (comparative or comparison))).tw.
88	((discourse* or discours*) adj3 analys?s) or narrative analys?s).tw.
89	or/70-88
90	Meta Analysis/ use psyh
91	Meta Analysis/ use amed
92	(meta analy* or metanaly* or metaanaly*).tw.
93	((systematic* or evidence*) adj2 (review* or overview*)).tw.
94	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
95	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
96	(search* adj4 literature).ab.
97	(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.
98	cochrane.jw.
99	((pool* or combined) adj2 (data or trials or studies or results)).ab.
100	or/90-99
101	89 or 100
102	69 and 101
103	remove duplicates from 102

1 Date of initial search: 10/10/2017

2 Database(s): EBSCO Host CINAHL Plus

#	Query
S63	S41 AND S62
S62	S54 OR S61
S61	S55 OR S56 OR S57 OR S58 OR S59 OR S60
S60	AB ((pool* or combined) N2 (data or trials or studies or results))
S59	(MH "Cochrane Library")
S58	AB (reference list* or bibliograph* or hand search* or manual search* or relevant journals) OR (search* N4 literature) OR (search strategy or search criteria or systematic search or study selection or data extraction) or (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)
S57	TX ((systematic or evidence) N2 (review* or overview*))
S56	TX (meta analy* or metanaly* or metaanaly*)
S55	(MH "Systematic Review") OR (MH "Meta Analysis")
S54	S42 OR S43 OR S44 OR S45 OR S46 OR S47 OR S48 OR S49 OR S50 OR S51 OR S52 OR S53
S53	TX (constant N1 (comparative or comparison))
S52	TX ((discourse* or discours* or narrative*) N3 analys?s)
S51	TX (focus group or account or accounts or unstructured or open-ended or open ended or text* or narrative* or life world or life-world or conversation analys?s or personal experience* or theoretical saturation or life world or life-world or conversation analys?s or personal experience* or theoretical saturation or lived experience* or life experience* or cluster sampl* or theme* or thematic or observational method* or questionnaire* or content analysis)
S50	TX (biographical method or theoretical sampl* or (purpos* N4 sampl*))
S49	TX (field N1(study or studies or research))
S48	TX (social construct* or postmodern* or post-structural* or post structural* or poststructural* or post modern* or post-modern* or feminis* or interpret* or action research or cooperative inquir* or co operative inquir* or co-operative inquir* or humanistic or existential or experiential or paradigm*)
S47	TX ((emic or etic or hermeneutic* or heuristic* or semiotic*) or (data near saturat*) or participant observ*)
S46	TX (life stor* or women* stor* or men* stor* or people* stor* or person* stor*)

EARLY SUBMISSION

#	Query
S45	TX (ethnonursing or ethnograph* or phenomenol* or (grounded N1 (theor* or study or studies or research or analys?s))
S44	(MH "Grounded Theory") OR (MH "Research, Nursing") OR (MH "Field Studies") OR (MH "Theoretical Sample") OR (MH "Phenomenological Research") OR (MH "Life Experiences+") OR (MH "Cluster Sample+")
S43	(MH "Interviews+") OR (MH "Questionnaires+") OR (MH "Focus Groups") OR (MH "Observational Methods+") OR (MH "Discourse Analysis") OR (MH "Content Analysis") OR (MH "Ethnographic Research") OR (MH "Ethnological Research") OR (MH "Ethnonursing Research") OR (MH "Constant Comparative Method") OR (MH "Qualitative Validity+") OR (MH "Purposive Sample")
S42	(MH "Qualitative Studies+")
S41	S19 AND S40
S40	S20 OR S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27 OR S28 OR S29 OR S30 OR S31 OR S32 OR S33 OR S34 OR S35 OR S36 OR S37 OR S38 OR S39
S39	TI (electronic* or online or on-line or internet or website* or web site* or web page* or webpage* or app or apps or social network* or social media* or facebook* or twitter or blog* or webinar* or webcast* or podcast* or youtube or webcam*)
S38	TI (charit* or hotline* or call line or helpline* or telephone* or phone* or smartphone* or mobile* or email* or texting or messaging or skype or facetime or teleconferenc* or videoconferenc*)
S37	TI ((timing or frequency or access* or availab* or equal*) and (inform* or educat* or learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or consult* or involvement or support* or counsel* or discuss*))
S36	TI ((language* or age* or gender* or cultur* or person* or ethnic*) N (information* or educat* or learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or involvement or support* or counsel*))
S35	TI (learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or involvement or support* or counsel*)
S34	TI ((information* or educat* or neonatal) N (model* or group* or program* or need* or requirement* or support* or seek* or access* or disseminat*))
S33	TI (pamphlet* or leaflet* or book*1 or booklet* or diary or diaries or manual* or brochure* or publication* or handout* or magazine* or binder* or journey box* or video* or dvd* or audio* or "face to face" or "in person")
S32	(MH "Computer Assisted Instruction")
S31	(MH "Communications Media") OR (MH "Audiorecording") OR (MH "Videorecording") OR (MH "Social Media") OR (MH "Webcasts") OR (MH "Telecommunications+") OR (MH "Audiovisuals")
S30	(MH "Information Resources+")
S29	(MH "Telephone Information Services")
S28	(MH "Support Groups") or (MH "Peer Group") or (MH "Charities")
S27	(MH "Professional-Family Relations")
S26	(MH "Information Needs")
S25	(MH "Access to Information+")
S24	(MH "Selective Dissemination of Information")
S23	(MH "Parental Notification") OR (MM "Communication")
S22	(MM "Patient Education")
S21	(MM "Consumer Health Information")
S20	(MM "Health Education")
S19	S14 AND S18
S18	S15 OR S16 OR S17
S17	TX (famil* or parent? or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer* or sibling* or brother* or sister*)
S16	(MH "Caregivers")
S15	(MH "Family+")
S14	S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13
S13	TX TX ((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie or premies) N (unit* or care or department* or facilit* or hospital*))
S12	TX (SCBU or NICU)
S11	TX ((newborn or neonat* or neo-nat*) near (unit or care or department* or facilit* or hospital* or ICU*))
S10	TX (special and care and baby and unit*)
S9	(MH "Intensive Care Units, Neonatal")
S8	(MH "Intensive Care, Neonatal+")
S7	S1 OR S2 OR S3 OR S4 OR S6
S6	S1 AND S5
S5	(MH "Respiratory Distress Syndrome+")
S4	TX (low birth weight or very low birth weight)
S3	(MH "Infant, Low Birth Weight+")
S2	TX (infan* or neonat* or neo-nat* or newborn* or baby or babies or preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie or premies)
S1	(MH "Infant, Newborn+")

EARLY SUBMISSION

1 Date of initial search: 10/10/2017

2 Database(s): Wiley Web of Science Social Science Citation Index (SSCI) 1900 to present

#	Searches
#35	#34 AND #21 DocType=All document types; Language=English;
#34	#33 OR #30 DocType=All document types; Language=English;
#33	#32 OR #31 DocType=All document types; Language=English;
#32	TS=((reference list* or bibliograph* or hand search* or manual search* or relevant journals or search strategy or search criteria or systematic search or study selection or data extraction or 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) or (search* NEAR literature)) DocType=All document types; Language=English;
#31	TS=((meta analy* or metanaly* or metaanaly*) or ((systematic* or evidence*) NEAR (review* or overview*)) or ((pool* or combined) NEAR (data or trials or studies or results))) DocType=All document types; Language=English;
#30	#29 OR #28 OR #27 OR #26 OR #25 OR #24 OR #23 OR #22 DocType=All document types; Language=English;
#29	TS=((constant NEAR (comparative or comparison)) or ((discourse* or discours*) NEAR analys?s)) DocType=All document types; Language=English;
#28	TS=((lived or life) NEAR experience*) DocType=All document types; Language=English;
#27	TS=((purpos* NEAR sampl*) or (focus NEAR group*)) DocType=All document types; Language=English;
#26	TS=(field NEAR (study or studies or research)) DocType=All document types; Language=English;
#25	TS=(social construct* or (postmodern* or post-structural*) or (post structural* or poststructural*) or post modern* or post-modern* or feminis* or interpret*) DocType=All document types; Language=English;
#24	TS=((emic or etic or hermeneutic* or heuristic* or semiotic*) or (data NEAR saturat*) or participant observ*) DocType=All document types; Language=English;
#23	TS=(grounded NEAR (theor* or study or studies or research or analys?s)) DocType=All document types; Language=English;
#22	TS=(qualitative or interview* or questionnaire* or theme* or thematic or ethnograph* or ethnonsurs* or phenomenol* or action research or cooperative inquir* or co operative inquir* or co-operative inquir* or humanistic or existential or experiential or paradigm* or human science or biographical method or theoretical sampl* or account or accounts or unstructured or open-ended or open ended or text* or narrative* or life world or life-world or conversation analys?s or personal experience* or theoretical saturation or cluster sampl* or observational method* or content analysis or narrative analys?s) DocType=All document types; Language=English;
#21	#20 AND #12 DocType=All document types; Language=English;
#20	#19 OR #18 OR #17 OR #16 OR #15 OR #14 OR #13 DocType=All document types; Language=English;
#19	TS=(electronic* or online or on-line or internet or website* or web site* or web page* or webpage* or app*1 or social network* or social media* or facebook* or twitter or blog* or webinar* or webcast* or podcast* or youtube or webcam*) DocType=All document types; Language=English;
#18	TS=(charit* or hotline* or call line or helpline* or telephone* or phone* or smartphone* or mobile* or email* or texting or messaging or skype or facetime or teleconferenc* or videoconferenc*) DocType=All document types; Language=English;
#17	TS=((timing or frequency or access* or availab* or equal*) and (inform* or educat* or learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or consult* or involvement or support* or counsel* or discuss*)) DocType=All document types; Language=English;
#16	TI=((language* or age* or gender* or cultur* or ethnic*) NEAR (information* or educat* or learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or involvement or support* or counsel*)) DocType=All document types; Language=English;

EARLY SUBMISSION

#	Searches
#15	TI=(learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or involvement or support* or counsel*) DocType=All document types; Language=English;
#14	TS=((information* or educat* or neonatal) NEAR (model* or group* or program* or need* or requirement* or support* or seek* or access* or disseminat*)) DocType=All document types; Language=English;
#13	TS=(pamphlet* or leaflet* or book or books or booklet* or diary or diaries or manual* or brochure* or publication* or handout* or magazine* or periodical* or binder* or journey box* or video* or dvd* or audio* or "face to face" or "in person") DocType=All document types; Language=English;
#12	#11 AND #10 DocType=All document types; Language=English;
#11	TS=(famil* or parent? or parental or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer* or sibling* or brother* or sister*) DocType=All document types; Language=English;
#10	#9 AND #4 DocType=All document types; Language=English;
#9	#8 OR #7 OR #6 OR #5 DocType=All document types; Language=English;
#8	TS=((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie or pre?mies) NEAR (unit* or care or department* or facilit* or hospital*)) DocType=All document types; Language=English;
#7	TS=(SCBU or NICU) DocType=All document types; Language=English;
#6	TS=((newborn or neonat* or neo-nat*) NEAR (unit or care or department* or facilit* or hospital* or ICU*)) DocType=All document types; Language=English;
#5	TS=(special and care and baby and unit*) DocType=All document types; Language=English;
#4	#3 OR #2 OR #1 DocType=All document types; Language=English;
#3	TS=(low birth weight) DocType=All document types; Language=English;
#2	TS=(preterm or pre-term or prematur* or pre-matur* or pre?mie or pr?emies) DocType=All document types; Language=English;
#1	TS=(infan* or neonat* or neo-nat* or newborn* or baby or babies) DocType=All document types; Language=English;

1 Qualitative and health economics

2 Date of initial search: 09/10/2017

3 Database(s): The Cochrane Library, issue 10 of 12, October 2017

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or new-born* or baby or babies or preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie or premies)
#3	((low adj3 birth near/3 weigh*) or (LBW or VLBW))
#4	MeSH descriptor: [Respiratory Distress Syndrome, Newborn] explode all trees
#5	MeSH descriptor: [Intensive Care, Neonatal] explode all trees
#6	MeSH descriptor: [Intensive Care Units, Neonatal] explode all trees
#7	(special care baby unit* or ((newborn or neonatal) near ICU*1) or (SCBU or NICU))
#8	{or #1-#7}
#9	MeSH descriptor: [Family] explode all trees
#10	MeSH descriptor: [Caregivers] this term only
#11	(famil* or parent? or parental or mother* or maternal or father* or paternal or grandparent* or grandmother* or grandfather* or caregiver* or carer*)
#12	{or #9-#11}

EARLY SUBMISSION

ID	Search
#13	#8 and #12
#14	MeSH descriptor: [Health Education] explode all trees and with qualifier(s): [Methods - MT]
#15	MeSH descriptor: [Consumer Health Information] explode all trees
#16	MeSH descriptor: [Patient Education as Topic] this term only
#17	MeSH descriptor: [Patient Education Handout] this term only
#18	MeSH descriptor: [Communication] this term only
#19	MeSH descriptor: [Health Communication] this term only
#20	MeSH descriptor: [Health Promotion] this term only
#21	MeSH descriptor: [Information Dissemination] this term only
#22	MeSH descriptor: [Access to Information] explode all trees
#23	MeSH descriptor: [Professional-Family Relations] this term only
#24	MeSH descriptor: [Self-Help Groups] this term only
#25	MeSH descriptor: [Peer Group] explode all trees
#26	MeSH descriptor: [Charities] explode all trees
#27	MeSH descriptor: [Hotlines] explode all trees
#28	MeSH descriptor: [Publications] explode all trees
#29	MeSH descriptor: [Pamphlets] this term only
#30	MeSH descriptor: [Video-Audio Media] explode all trees
#31	MeSH descriptor: [Educational Technology] explode all trees
#32	MeSH descriptor: [Telephone] explode all trees
#33	MeSH descriptor: [Internet] explode all trees
#34	MeSH descriptor: [Videoconferencing] explode all trees
#35	MeSH descriptor: [Computer-Assisted Instruction] explode all trees
#36	(pamphlet* or leaflet* or book or books or booklet* or diary or diaries or manual or manuals or brochure* or publication* or handout* or magazine* or periodical* or binder* or journey box* or video* or dvd* or audio* or "face to face" or "in person"):ti
#37	((information* or educat* or neonatal) next (model* or group* or program* or need* or requirement* or support* or seek* or access* or disseminat*)):ti
#38	(learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or involvement or support* or counsel*):ti
#39	((language* or age* or gender* or cultur* or stage* of life or life stage* or lifestyle*) next (information* or educat* or learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or involvement or support* or counsel*)):ti
#40	((timing or frequency or access* or availab* or equal*) and (inform* or educat* or learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or consult* or involvement or support* or counsel* or discuss*)):ti
#41	charit*
#42	(hotline* or call line or helpline* or telephone* or phone* or smartphone* or mobile* or texting or messaging or skype or facetime or teleconferenc* or videoconferenc*):ti
#43	(electronic* or online or on-line or internet or website* or web site* or web page* or webpage* or email* or app*1 or social network* or social media* or facebook* or twitter or blog* or webinar* or webcast* or podcast* or youtube or webcam*):ti
#44	{or #14-#43}
#45	#13 and #44 Publication Year from 1990 to 2017, in Cochrane Reviews (Reviews and Protocols), Other Reviews, Technology Assessments and Economic Evaluations

1 Health economics

2 Date of initial search: 09/10/2017

3 Database(s): Embase 1980 to 2017 Week 41, Ovid MEDLINE(R) Epub Ahead of Print, In-

4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

5 1946 to Present

EARLY SUBMISSION

1

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh*).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	or/1-10
12	exp Intensive Care, Neonatal/ use ppez
13	newborn intensive care/ use emez
14	exp Intensive Care Units, Neonatal/ use ppez
15	neonatal intensive care unit/ use emez
16	Neonatal Nursing/ use ppez
17	exp newborn nursing/ use emez
18	newborn care/ use emez
19	(special and care and baby and unit*).tw.
20	((newborn or neonatal or neo-natal) adj ICU*1).tw.
21	((newborn or neonat* or neo-nat*) adj2 (unit or care or department* or facilit* or hospital*)).tw.
22	(SCBU or NICU).tw.
23	((infan* or baby or babies or preterm or pre-term or prematur* or pre?mie* or premie*1) adj2 (unit* or care or department* or facilit* or hospital*)).tw.
24	or/12-23
25	11 and 24
26	exp Family/ use ppez
27	exp family/ use emez
28	Caregivers/ use ppez
29	caregiver/ use emez
30	(famil* or parent* or mother* or maternal or father* or paternal or grandparent* or grandfather* or grandmother* or caregiver* or carer*).tw.
31	(sibling* or brother* or sister*).tw.
32	or/26-31
33	25 and 32
34	Health Education/mt
35	exp Consumer Health Information/
36	Patient Education as Topic/
37	Patient Education Handout/
38	Communication/
39	Health Communication/
40	Health Promotion/
41	Information Dissemination/
42	exp Access to Information/
43	Professional-Family Relations/
44	Self-Help Groups/
45	exp Peer Group/
46	Charities/
47	Hotlines/

EARLY SUBMISSION

#	Searches
48	Publications/
49	Pamphlets/
50	Video-Audio Media/
51	exp Educational Technology/
52	exp Telephone/
53	exp Internet/
54	Webcasts/
55	exp Videoconferencing/
56	Electronic Mail/
57	Text Messaging/
58	Social Networking/
59	"Instructional Films and Videos"/
60	Computer-Assisted Instruction/
61	or/34-60 use ppez
62	health education/
63	health promotion/
64	breast feeding education/
65	parenting education/
66	patient education/
67	information/
68	information dissemination/
69	consumer health information/
70	patient information/
71	medical information/
72	access to information/
73	interpersonal communication/
74	doctor patient relation/
75	nurse patient relationship/
76	self help/
77	support group/
78	peer group/ or peer counseling/
79	hotline/
80	publication/
81	technology/
82	videotape/
83	television/
84	telephone/
85	exp mobile phone/
86	Internet/
87	webcast/
88	e-mail/
89	text messaging/
90	blogging/
91	social media/
92	videoconferencing/
93	or/62-92 use emez
94	patient education handout.pt.
95	(pamphlet* or leaflet* or book*1 or booklet* or diary or diaries or manual* or brochure* or publication* or handout* or magazine* or binder* or journey box* or video* or dvd* or audio* or "face to face" or "in person").tw.

EARLY SUBMISSION

#	Searches
96	((information* or educat* or neonatal) adj3 (model* or group* or program* or need* or requirement* or support* or seek* or access* or disseminat*).tw.
97	(learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or involvement or support* or counsel*).ti.
98	((language* or age* or gender* or cultur* or person* or stage* of life or life stage* or lifestyle* or leisure) adj3 (information* or educat* or learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or involvement or support* or counsel*).ti.
99	((timing or frequency or access* or availab* or equal*) and (inform* or educat* or learn* or train* or program* or advi?e* or instruct* or teach* or knowledge or understanding or misunderstanding or communicat* or miscommunicat* or consult* or involvement or support* or counsel* or discuss*).tw.
100	charit*.tw.
101	(hotline* or call line or helpline* or telephone* or phone* or smartphone* or mobile* or texting or messaging or skype or facetime or videoconferenc*).tw.
102	(electronic* or online or on-line or internet or website* or web site* or web page* or webpage* or app*1 or social network* or social media* or facebook* or twitter or blog* or webinar* or webcast* or podcast* or youtube or webcam*).tw.
103	or/94-102
104	61 or 93 or 103
105	33 and 104
106	limit 105 to english language
107	limit 106 to yr="1990 -Current"
108	Letter/ use ppez
109	letter.pt. or letter/ use emez
110	note.pt.
111	editorial.pt.
112	Editorial/ use ppez
113	News/ use ppez
114	exp Historical Article/ use ppez
115	Anecdotes as Topic/ use ppez
116	Comment/ use ppez
117	Case Report/ use ppez
118	case report/ or case study/ use emez
119	(letter or comment*).ti.
120	or/108-119
121	randomized controlled trial/ use ppez
122	randomized controlled trial/ use emez
123	random*.ti,ab.
124	or/121-123
125	120 not 124
126	animals/ not humans/ use ppez
127	animal/ not human/ use emez
128	nonhuman/ use emez
129	exp Animals, Laboratory/ use ppez
130	exp Animal Experimentation/ use ppez
131	exp Animal Experiment/ use emez
132	exp Experimental Animal/ use emez
133	exp Models, Animal/ use ppez
134	animal model/ use emez
135	exp Rodentia/ use ppez
136	exp Rodent/ use emez
137	(rat or rats or mouse or mice).ti.
138	or/125-137

EARLY SUBMISSION

#	Searches
139	107 not 138
140	Economics/
141	Value of life/
142	exp "Costs and Cost Analysis"/
143	exp Economics, Hospital/
144	exp Economics, Medical/
145	Economics, Nursing/
146	Economics, Pharmaceutical/
147	exp "Fees and Charges"/
148	exp Budgets/
149	or/140-148 use ppez
150	health economics/
151	exp economic evaluation/
152	exp health care cost/
153	exp fee/
154	budget/
155	funding/
156	or/150-155 use emez
157	budget*.ti,ab.
158	cost*.ti.
159	(economic* or pharmaco?economic*).ti.
160	(price* or pricing*).ti,ab.
161	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
162	(financ* or fee or fees).ti,ab.
163	(value adj2 (money or monetary)).ti,ab.
164	or/157-162
165	149 or 156 or 164
166	139 and 165
167	remove duplicates from 166

1

6. Discharge planning

**Literature search strategies for question 7.1 What factors are important when
4 planning for the safe transition from the neonatal unit of a baby born preterm,
5 requiring respiratory support?**

6 Date of initial search: 13/02/18

7 Database(s): Embase 1980 to 2018 Week 07, Ovid MEDLINE(R) Epub Ahead of Print, In-
8 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
9 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.

EARLY SUBMISSION

#	Searches
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	(SCBU or NICU).tw.
20	or/1-19
21	*hospital discharge/ use emez
22	*Patient Discharge/ use ppez
23	((discharg* or post?discharg*) adj3 (team* or professional* or personnel or specialist* or nurs* or MDT or key worker* or communit*).tw.
24	((discharg* or post?discharg*) adj3 (plan* or pathway* or pack* or program* or support* or assist* or facilitat* or well?being or co?ordinat* or train* or educat* or visit* or qualification* or competen* or confiden*).tw.
25	((discharg* or post?discharg*) adj2 (parents or parent or family or families or mother* or maternal or father* or paternal or carer* or caregiver*).tw.
26	((discharg* or post?discharg*) adj3 (ventilat* or respirat* or breath* or oxygen* or incubat* or "nasal cannula*" or nebuli* or tracheostom*).tw.
27	((discharg* or post?discharg*) adj3 (environment* or destination* or home or house or housing or electricity or medication* or fund* or equipment or device* or humidifier* or "apn?ea monitor*).tw.
28	(follow?up adj3 (plan* or pack* or pathway* or program* or support* or co?ordinat* or visit*).tw.
29	(transition adj3 home).tw.
30	discharge summar*.tw.
31	or/21-30
32	20 and 31
33	limit 32 to english language
34	limit 33 to yr="2000 -Current"
35	Letter/ use ppez
36	letter.pt. or letter/ use emez
37	note.pt.
38	editorial.pt.
39	Editorial/ use ppez
40	News/ use ppez
41	exp Historical Article/ use ppez
42	Anecdotes as Topic/ use ppez
43	Comment/ use ppez
44	Case Report/ use ppez
45	case report/ or case study/ use emez
46	(letter or comment*).ti.
47	or/35-46
48	randomized controlled trial/ use ppez
49	randomized controlled trial/ use emez
50	random*.ti,ab.
51	or/48-50
52	47 not 51
53	animals/ not humans/ use ppez
54	animal/ not human/ use emez
55	nonhuman/ use emez
56	exp Animals, Laboratory/ use ppez
57	exp Animal Experimentation/ use ppez
58	exp Animal Experiment/ use emez
59	exp Experimental Animal/ use emez
60	exp Models, Animal/ use ppez
61	animal model/ use emez
62	exp Rodentia/ use ppez
63	exp Rodent/ use emez
64	(rat or rats or mouse or mice).ti.
65	or/52-64
66	34 not 65
67	remove duplicates from 66

EARLY SUBMISSION

1 Date of initial search: 13/02/2018

2 Database(s): AMED (Allied and Complementary Medicine) 1985 to February 2018, Maternity

3 & Infant Care Database (MIDIRS) 1971 to December 2017, PsycINFO 1806 to February

4 Week 1 2018

#	Searches
1	exp infant newborn/ use amed
2	Premature Birth/ use psych or Neonatal Period/ use psych or Birth Weight/ use psych
3	((infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
4	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
5	(low adj3 birth adj3 weigh\$).tw.
6	(LBW or VLBW).tw.
7	Neonatal Intensive Care/ use psych
8	Intensive Care Neonatal/ use amed
9	(special and care and baby and unit*).tw.
10	(SCBU or NICU).tw.
11	or/1-10
12	Patient Discharge/ use amed
13	Discharge Planning/ use psych or exp Facility Discharge/ use psych
14	((discharg* or post?discharg*) adj3 (team* or professional* or personnel or specialist* or nurs* or MDT or key worker* or communit*).tw.
15	((discharg* or post?discharg*) adj3 (plan* or pathway* or pack* or program* or support* or assist* or facilitat* or well?being or co?ordinat* or train* or educat* or visit* or qualification* or competen* or confiden*).tw.
16	((discharg* or post?discharg*) adj2 (parents or parent or family or families or mother* or maternal or father* or paternal or carer* or caregiver*).tw.
17	((discharg* or post?discharg*) adj3 (ventilat* or respirat* or breath* or oxygen* or incubat* or nasal cannula* or nebuli* or tracheostom*).tw.
18	((discharg* or post?discharg*) adj3 (environment* or destination* or home or house or housing or electricity or medication* or fund* or equipment or device* or humidifier* or apn?ea monitor*).tw.
19	(follow?up adj3 (plan* or pack* or pathway* or program* or support* or co?ordinat* or visit*).tw.
20	(transition adj3 home).tw.
21	discharge summar*.tw.
22	or/12-21
23	11 and 22
24	limit 23 to english language [Limit not valid in MWIC; records were retained]
25	limit 24 to yr="2000 -Current"
26	remove duplicates from 25

5 Date of initial search: 12/02/2018

6 Database(s): CINAHL Plus (Cumulative Index to Nursing and Allied Health Literature) 1937-

7 current, EBSCO Host

#	Query	Limiters/Expanders
S23	S12 AND S22	Limiters - Publication Year: 2000-2018; English Language; Exclude MEDLINE records Search modes - Boolean/Phrase
S22	S13 OR S14 OR S15 OR S16 OR S17 OR S18 OR S19 OR S20 OR S21	Search modes - Boolean/Phrase
S21	TX "discharg* summar**"	Search modes - Boolean/Phrase
S20	TX transition N3 home	Search modes - Boolean/Phrase
S19	TX (("follow up" or follow-up) N2 (plan* or pack* or pathway* or program* or support* or coordinat* or co-ordinat* or visit*))	Search modes - Boolean/Phrase
S18	TX ((discharg* or "post discharg**" or post-discharg*) N3 (environment* or destination* or home or house or housing or electricity or medication* or fund* or equipment or device* or humidifier* or "apnea monitor*" or "apnoea monitor**"))	Search modes - Boolean/Phrase
S17	TX ((discharg* or "post discharg**" or post-discharg*) N3 (ventilat* or respirat* or breath* or oxygen* or incubat* or "nasal cannula*" nebuli* or tracheostom*))	Search modes - Boolean/Phrase
S16	TX ((discharg* or "post discharg**" or post-discharg*) N3 (parents or parent or family or families or mother* or maternal or father* or paternal or carer* or caregiver*))	Search modes - Boolean/Phrase

EARLY SUBMISSION

#	Query	Limiters/Expanders
S15	TX ((discharg* or "post discharg*" or post-discharg*) N3 (plan* or pathway* or pack* or program* or support* or assist* or facilitat* or "well being" or well-being or coordinat* or co-ordinat* or train* or educat* or visit* or qualification* or competen* or confiden*))	Search modes - Boolean/Phrase
S14	TX ((discharg* or "post discharg*" or post-discharg*) N3 (team* or professional* or personnel or specialist* or nurs* or MDT or key worker* or communit*))	Search modes - Boolean/Phrase
S13	(MH "Patient Discharge+")	Search modes - Boolean/Phrase
S12	S7 OR S8 OR S9 OR S10 OR S11	Search modes - Boolean/Phrase
S11	TX (SCBU or NICU)	Search modes - Boolean/Phrase
S10	TX (special and care and baby and unit*)	Search modes - Boolean/Phrase
S9	(MH "Intensive Care Units, Neonatal")	Search modes - Boolean/Phrase
S8	(MH "Intensive Care, Neonatal+")	Search modes - Boolean/Phrase
S7	S1 OR S2 OR S3 OR S4 OR S6	Search modes - Boolean/Phrase
S6	S1 AND S5	Search modes - Boolean/Phrase
S5	(MH "Respiratory Distress Syndrome+")	Search modes - Boolean/Phrase
S4	TX (low birth weight or very low birth weight)	Search modes - Boolean/Phrase
S3	(MH "Infant, Low Birth Weight+")	Search modes - Boolean/Phrase
S2	TX (infan* or neonat* or neo-nat* or newborn* or baby or babies or preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie or premies)	Search modes - Boolean/Phrase
S1	(MH "Infant, Newborn+")	Search modes - Boolean/Phrase

1 Date of initial search: 12/02/2018

2 Databases(s): The Cochrane Library, issue 2 of 12, February 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies)
#3	(preterm or pre-term or prematur* or pre-matur* or preemie* or premie* or premie*)
#4	(low near birth near/3 weigh*)
#5	MeSH descriptor: [Intensive Care, Neonatal] this term only
#6	MeSH descriptor: [Intensive Care Units, Neonatal] this term only
#7	(special and care and baby and unit*)
#9	(SCBU or NICU)
#10	{or #1-#9}
#11	MeSH descriptor: [Patient Discharge] this term only
#12	((discharg* or "post discharg*" or post-discharg*) near/3 (team* or professional* or personnel or specialist* or nurs* or MDT or key worker* or communit*))
#13	((discharg* or "post discharg*" or post-discharg*) near/3 (plan* or pathway* or pack* or program* or support* or assist* or facilitat* or "well being" or well-being or coordinat* or co-ordinat* or train* or educat* or visit* or qualification* or competen* or confiden*))
#14	((discharg* or "post discharg*" or post-discharg*) near/3 (parents or parent or family or families or mother* or maternal or father* or paternal or carer* or caregiver*))
#15	((discharg* or "post discharg*" or post-discharg*) near/3 (ventilat* or respirat* or breath* or oxygen* or incubat* or "nasal cannula*" or nebuli* or tracheostomy*))
#16	((discharg* or "post discharg*" or post-discharg*) near/3 (environment* or destination* or home or house or housing or electricity or medication* or fund* or equipment or device* or humidifier* or "apnea monitor*" or "apnoea monitor*))
#17	(("follow up" or follow-up) near/2 (plan* or pack* or pathway* or program* or support* or coordinat* or co-ordinat* or visit*))
#18	transition near/3 home
#19	"discharg* summar*"
#20	{or #11-#19}
#21	#10 and #20 Publication Year from 2000 to 2018

EARLY SUBMISSION

1 Health economics

2 Date of initial search: 12/02/18

3 Database(s): Embase 1980 to 2018 Week 07, Ovid MEDLINE(R) Epub Ahead of Print, In-

4 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

5 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	newborn care/ use emez
18	(special and care and baby and unit*).tw.
19	(SCBU or NICU).tw.
20	or/1-19
21	*hospital discharge/ use emez
22	*Patient Discharge/ use ppez
23	((discharg* or post?discharg*) adj3 (team* or professional* or personnel or specialist* or nurs* or MDT or key worker* or communit*)).tw.
24	((discharg* or post?discharg*) adj3 (plan* or pathway* or pack* or program* or support* or assist* or facilitat* or well?being or co?ordinat* or train* or educat* or visit* or qualification* or competen* or confiden*)).tw.
25	((discharg* or post?discharg*) adj2 (parents or parent or family or families or mother* or maternal or father* or paternal or carer* or caregiver*)).tw.
26	((discharg* or post?discharg*) adj3 (ventilat* or respirat* or breath* or oxygen* or incubat* or "nasal cannula*" or nebuli* or tracheostom*)).tw.
27	((discharg* or post?discharg*) adj3 (environment* or destination* or home or house or housing or electricity or medication* or fund* or equipment or device* or humidifier* or "apn?ea monitor*")).tw.
28	(follow?up adj3 (plan* or pack* or pathway* or program* or support* or co?ordinat* or visit*)).tw.
29	(transition adj3 home).tw.
30	discharge summar*.tw.
31	or/21-30
32	20 and 31
33	limit 32 to english language
34	limit 33 to yr="2000 -Current"
35	Letter/ use ppez
36	letter.pt. or letter/ use emez
37	note.pt.
38	editorial.pt.
39	Editorial/ use ppez
40	News/ use ppez
41	exp Historical Article/ use ppez
42	Anecdotes as Topic/ use ppez
43	Comment/ use ppez
44	Case Report/ use ppez
45	case report/ or case study/ use emez
46	(letter or comment*).ti.
47	or/35-46
48	randomized controlled trial/ use ppez
49	randomized controlled trial/ use emez
50	random*.ti,ab.
51	or/48-50
52	47 not 51

EARLY SUBMISSION

#	Searches
53	animals/ not humans/ use ppez
54	animal/ not human/ use emez
55	nonhuman/ use emez
56	exp Animals, Laboratory/ use ppez
57	exp Animal Experimentation/ use ppez
58	exp Animal Experiment/ use emez
59	exp Experimental Animal/ use emez
60	exp Models, Animal/ use ppez
61	animal model/ use emez
62	exp Rodentia/ use ppez
63	exp Rodent/ use emez
64	(rat or rats or mouse or mice).ti.
65	or/52-64
66	34 not 65
67	remove duplicates from 66
68	Economics/
69	Value of life/
70	exp "Costs and Cost Analysis"/
71	exp Economics, Hospital/
72	exp Economics, Medical/
73	Economics, Nursing/
74	Economics, Pharmaceutical/
75	exp "Fees and Charges"/
76	exp Budgets/
77	or/68-76 use ppez
78	health economics/
79	exp economic evaluation/
80	exp health care cost/
81	exp fee/
82	budget/
83	funding/
84	or/78-83 use emez
85	budget*.ti,ab.
86	cost*.ti.
87	(economic* or pharmaco?economic*).ti.
88	(price* or pricing*).ti,ab.
89	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
90	(financ* or fee or fees).ti,ab.
91	(value adj2 (money or monetary)).ti,ab.
92	or/85-90
93	77 or 84 or 92
94	67 and 93

1 Date of search: 07/0318

2 Database(s): Embase 1980 to 2018 Week 10, Ovid MEDLINE(R) Epub Ahead of Print, In-

3 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

4 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez

EARLY SUBMISSION

#	Searches
16	exp newborn nursing/ use emez
17	(special and care and baby and unit*).tw.
18	(SCBU or NICU).tw.
19	or/1-18
20	exp relative/ use emez
21	caregiver/ use emez
22	exp Family/ use ppez
23	Caregivers/ use ppez
24	or/20-23
25	*hospital discharge/ use emez
26	transitional care/ use emez
27	clinical handover/ use emez
28	patient care planning/ use emez
29	*Continuity of Patient Care/ use ppez
30	Patient Discharge/ use ppez or Patient Handoff/ use ppez or Patient Transfer/ use ppez or Transitional Care/ use ppez
31	*Patient Care Planning/ use ppez
32	or/25-31
33	24 and 32
34	((discharg* or transition* or transfer* or handoff or handover or "hand over") adj5 (parents or parent or parental or family or families or mother* or maternal or father* or paternal or sibling* or brother* or sister* or grandparent* or grandmother* or grandfather* or carer* or caregiver*).tw.
35	((paediatric or pediatric) adj passport*).tw.
36	or/33-35
37	19 and 36
38	Letter/ use ppez
39	letter.pt. or letter/ use emez
40	note.pt.
41	editorial.pt.
42	Editorial/ use ppez
43	News/ use ppez
44	exp Historical Article/ use ppez
45	Anecdotes as Topic/ use ppez
46	Comment/ use ppez
47	Case Report/ use ppez
48	case report/ or case study/ use emez
49	(letter or comment*).ti.
50	or/38-49
51	randomized controlled trial/ use ppez
52	randomized controlled trial/ use emez
53	random*.ti,ab.
54	or/51-53
55	50 not 54
56	animals/ not humans/ use ppez
57	animal/ not human/ use emez
58	nonhuman/ use emez
59	exp Animals, Laboratory/ use ppez
60	exp Animal Experimentation/ use ppez
61	exp Animal Experiment/ use emez
62	exp Experimental Animal/ use emez
63	exp Models, Animal/ use ppez
64	animal model/ use emez
65	exp Rodentia/ use ppez
66	exp Rodent/ use emez
67	(rat or rats or mouse or mice).ti.
68	or/55-67
69	37 not 68
70	limit 69 to english language
71	limit 70 to yr="2000 -Current"
72	remove duplicates from 71

1 Date of search: 07/03/2018

EARLY SUBMISSION

- 1 Database(s): AMED (Allied and Complementary Medicine) 1985 to March 2018, Maternity &
- 2 Infant Care Database (MIDIRS) 1971 to December 2017, PsycINFO 1806 to February Week
- 3 4 2018

#	Searches
1	exp infant newborn/ use amed
2	Premature Birth/ use psych or Neonatal Period/ use psych or Birth Weight/ use psych
3	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
4	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
5	(low adj3 birth adj3 weigh\$).tw.
6	(LBW or VLBW).tw.
7	Neonatal Intensive Care/ use psych
8	Intensive Care Neonatal/ use amed
9	(special and care and baby and unit*).tw.
10	(SCBU or NICU).tw.
11	or/1-10
12	exp family/ use amed
13	exp Family Members/ use psych
14	Caregivers/ use psych
15	or/12-14
16	patient discharge/ use amed
17	continuity of patient care/ use amed
18	patient care planning/ use amed
19	Discharge Planning/ use psych or exp Facility Discharge/ use psych
20	Continuum of Care/ use psych
21	Treatment Planning/ use psych
22	or/16-21
23	15 and 22
24	((discharg* or transition* or transfer* or handoff or handover or "hand over") adj5 (parents or parent or parental or family or families or mother* or maternal or father* or paternal or sibling* or brother* or sister* or grandparent* or grandmother* or grandfather* or carer* or caregiver*).tw.
25	((paediatric or pediatric) adj passport*).tw.
26	or/23-25
27	11 and 26
28	limit 27 to english language
29	limit 28 to yr="2000 -Current"
30	remove duplicates from 29

4 Date of search: 07/03/2018

- 5 Database(s): CINAHL Plus (Cumulative Index to Nursing and Allied Health Literature) 1937-
- 6 current, EBSCO Host

#	Query	Limiters/Expanders
S25	S12 AND S24	Limiters - Publication Year: 2000-2018; English Language; Exclude MEDLINE records
S24	S20 OR S23	Search modes - Boolean/Phrase
S23	S21 OR S22	Search modes - Boolean/Phrase
S22	TX (paediatric passport* or pediatric passport*)	Search modes - Boolean/Phrase
S21	TX ((discharg* or transition* or transfer* or handoff or handover or "hand over") N5 (parents or parent or parental or family or families or mother* or maternal or father* or paternal or sibling* or brother* or sister* or grandparent* or grandmother* or grandfather* or carer* or caregiver*))	Search modes - Boolean/Phrase
S20	S15 AND S19	Search modes - Boolean/Phrase
S19	S16 OR S17 OR S18	Search modes - Boolean/Phrase
S18	(MH "Continuity of Patient Care+")	Search modes - Boolean/Phrase
S17	(MH "Transitional Care")	Search modes - Boolean/Phrase
S16	(MH "Patient Discharge+")	Search modes - Boolean/Phrase
S15	S13 OR S14	Search modes - Boolean/Phrase
S14	(MH "Caregivers")	Search modes - Boolean/Phrase
S13	(MH "Family+")	Search modes - Boolean/Phrase
S12	S7 OR S8 OR S9 OR S10 OR S11	Search modes - Boolean/Phrase
S11	TX (SCBU or NICU)	Search modes - Boolean/Phrase
S10	TX (special and care and baby and unit*)	Search modes - Boolean/Phrase

EARLY SUBMISSION

#	Query	Limiters/Expanders
S9	(MH "Intensive Care Units, Neonatal")	Search modes - Boolean/Phrase
S8	(MH "Intensive Care, Neonatal+")	Search modes - Boolean/Phrase
S7	S1 OR S2 OR S3 OR S4 OR S6	Search modes - Boolean/Phrase
S6	S1 AND S5	Search modes - Boolean/Phrase
S5	(MH "Respiratory Distress Syndrome+")	Search modes - Boolean/Phrase
S4	TX (low birth weight or very low birth weight)	Search modes - Boolean/Phrase
S3	(MH "Infant, Low Birth Weight+")	Search modes - Boolean/Phrase
S2	TX (infan* or neonat* or neo-nat* or newborn* or baby or babies or preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie or premies)	Search modes - Boolean/Phrase
S1	(MH "Infant, Newborn+")	Search modes - Boolean/Phrase

1 Date of search: 07/03/2018

2 Databases(s): The Cochrane Library, issue 3 of 12, March 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies)
#3	(preterm or pre-term or prematur* or pre-matur* or premie* or premie* or premie*)
#4	(low next birth near/3 weigh*)
#5	MeSH descriptor: [Intensive Care, Neonatal] this term only
#6	MeSH descriptor: [Intensive Care Units, Neonatal] this term only
#7	(special and care and baby and unit*)
#8	((newborn or neonatal or neo-natal) near/2 (ICU or ICUs or unit*))
#9	(SCBU or NICU)
#10	{or #1-#9}
#11	MeSH descriptor: [Family] explode all trees
#12	MeSH descriptor: [Caregivers] this term only
#13	{or #11-#12}
#14	MeSH descriptor: [Continuity of Patient Care] explode all trees
#15	MeSH descriptor: [Patient Care Planning] this term only
#16	{or #14-#15}
#17	#13 and #16
#18	((discharg* or transition* or transfer* or handoff or handover or "hand over") near/5 (parents or parent or parental or family or families or mother* or maternal or father* or paternal or sibling* or brother* or sister* or grandparent* or grandmother* or grandfather* or carer* or caregiver*))
#19	("paediatric passport*" or "pediatric passport*")
#20	{or #17-#19}
#21	#10 and #20 Publication Year from 2000 to 2018

3 Health economics

4 Date of search: 08/03/18

5 Database(s): Embase 1980 to 2018 Week 10, Ovid MEDLINE(R) Epub Ahead of Print, In-

6 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)

7 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez

EARLY SUBMISSION

#	Searches
17	(special and care and baby and unit*).tw.
18	(SCBU or NICU).tw.
19	or/1-18
20	exp relative/ use emez
21	caregiver/ use emez
22	exp Family/ use ppez
23	Caregivers/ use ppez
24	or/20-23
25	*hospital discharge/ use emez
26	transitional care/ use emez
27	clinical handover/ use emez
28	patient care planning/ use emez
29	*Continuity of Patient Care/ use ppez
30	Patient Discharge/ use ppez or Patient Handoff/ use ppez or Patient Transfer/ use ppez or Transitional Care/ use ppez
31	*Patient Care Planning/ use ppez
32	or/25-31
33	24 and 32
34	((discharg* or transition* or transfer* or handoff or handover or "hand over") adj5 (parents or parent or parental or family or families or mother* or maternal or father* or paternal or sibling* or brother* or sister* or grandparent* or grandmother* or grandfather* or carer* or caregiver*).tw.
35	((paediatric or pediatric) adj passport*).tw.
36	or/33-35
37	19 and 36
38	Economics/
39	Value of life/
40	exp "Costs and Cost Analysis"/
41	exp Economics, Hospital/
42	exp Economics, Medical/
43	Economics, Nursing/
44	Economics, Pharmaceutical/
45	exp "Fees and Charges"/
46	exp Budgets/
47	(or/38-46) use ppez
48	health economics/
49	exp economic evaluation/
50	exp health care cost/
51	exp fee/
52	budget/
53	funding/
54	(or/48-53) use emez
55	budget*.ti,ab.
56	cost*.ti.
57	(economic* or pharmaco?economic*).ti.
58	(price* or pricing*).ti,ab.
59	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
60	(financ* or fee or fees).ti,ab.
61	(value adj2 (money or monetary)).ti,ab.
62	or/55-60
63	47 or 54 or 62
64	37 and 63
65	limit 64 to english language
66	limit 65 to yr="2000 -Current"
67	remove duplicates from 66

Literature search strategies for question 7.2 What are the support and information needs of parents and carers of preterm babies who are transitioning from the neonatal unit while receiving ongoing respiratory support?

4 Date of search: 07/03/2018

EARLY SUBMISSION

- 1 Database(s): Embase 1980 to 2018 Week 10, Ovid MEDLINE(R) Epub Ahead of Print, In-
- 2 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
- 3 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	(special and care and baby and unit*).tw.
18	(SCBU or NICU).tw.
19	or/1-18
20	exp relative/ use emez
21	caregiver/ use emez
22	exp Family/ use ppez
23	Caregivers/ use ppez
24	or/20-23
25	*hospital discharge/ use emez
26	transitional care/ use emez
27	clinical handover/ use emez
28	patient care planning/ use emez
29	*Continuity of Patient Care/ use ppez
30	Patient Discharge/ use ppez or Patient Handoff/ use ppez or Patient Transfer/ use ppez or Transitional Care/ use ppez
31	*Patient Care Planning/ use ppez
32	or/25-31
33	24 and 32
34	((discharg* or transition* or transfer* or handoff or handover or "hand over") adj5 (parents or parent or parental or family or families or mother* or maternal or father* or paternal or sibling* or brother* or sister* or grandparent* or grandmother* or grandfather* or carer* or caregiver*).tw.
35	((paediatric or pediatric) adj passport*).tw.
36	or/33-35
37	19 and 36
38	Letter/ use ppez
39	letter.pt. or letter/ use emez
40	note.pt.
41	editorial.pt.
42	Editorial/ use ppez
43	News/ use ppez
44	exp Historical Article/ use ppez
45	Anecdotes as Topic/ use ppez
46	Comment/ use ppez
47	Case Report/ use ppez
48	case report/ or case study/ use emez
49	(letter or comment*).ti.
50	or/38-49
51	randomized controlled trial/ use ppez
52	randomized controlled trial/ use emez
53	random*.ti,ab.
54	or/51-53
55	50 not 54
56	animals/ not humans/ use ppez
57	animal/ not human/ use emez
58	nonhuman/ use emez

EARLY SUBMISSION

#	Searches
59	exp Animals, Laboratory/ use ppez
60	exp Animal Experimentation/ use ppez
61	exp Animal Experiment/ use emez
62	exp Experimental Animal/ use emez
63	exp Models, Animal/ use ppez
64	animal model/ use emez
65	exp Rodentia/ use ppez
66	exp Rodent/ use emez
67	(rat or rats or mouse or mice).ti.
68	or/55-67
69	37 not 68
70	limit 69 to english language
71	limit 70 to yr="2000 -Current"
72	remove duplicates from 71

1 Date of search: 07/03/2018

2 Database(s): AMED (Allied and Complementary Medicine) 1985 to March 2018, Maternity &

3 Infant Care Database (MIDIRS) 1971 to December 2017, PsycINFO 1806 to February Week

4 4 2018

#	Searches
1	exp infant newborn/ use amed
2	Premature Birth/ use psych or Neonatal Period/ use psych or Birth Weight/ use psych
3	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
4	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
5	(low adj3 birth adj3 weigh\$).tw.
6	(LBW or VLBW).tw.
7	Neonatal Intensive Care/ use psych
8	Intensive Care Neonatal/ use amed
9	(special and care and baby and unit*).tw.
10	(SCBU or NICU).tw.
11	or/1-10
12	exp family/ use amed
13	exp Family Members/ use psych
14	Caregivers/ use psych
15	or/12-14
16	patient discharge/ use amed
17	continuity of patient care/ use amed
18	patient care planning/ use amed
19	Discharge Planning/ use psych or exp Facility Discharge/ use psych
20	Continuum of Care/ use psych
21	Treatment Planning/ use psych
22	or/16-21
23	15 and 22
24	((discharg* or transition* or transfer* or handoff or handover or "hand over") adj5 (parents or parent or parental or family or families or mother* or maternal or father* or paternal or sibling* or brother* or sister* or grandparent* or grandmother* or grandfather* or carer* or caregiver*).tw.
25	((paediatric or pediatric) adj passport*).tw.
26	or/23-25
27	11 and 26
28	limit 27 to english language
29	limit 28 to yr="2000 -Current"
30	remove duplicates from 29

5 Date of search: 07/03/2018

6 Database(s): CINAHL Plus (Cumulative Index to Nursing and Allied Health Literature) 1937-

7 current, EBSCO Host

#	Query	Limiters/Expanders
S25	S12 AND S24	Limiters - Publication Year: 2000-2018; English Language; Exclude MEDLINE records Search modes - Boolean/Phrase

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#	Query	Limiters/Expanders
S24	S20 OR S23	Search modes - Boolean/Phrase
S23	S21 OR S22	Search modes - Boolean/Phrase
S22	TX (paediatric passport* or pediatric passport*)	Search modes - Boolean/Phrase
S21	TX ((discharg* or transition* or transfer* or handoff or handover or "hand over") N5 (parents or parent or parental or family or families or mother* or maternal or father* or paternal or sibling* or brother* or sister* or grandparent* or grandmother* or grandfather* or carer* or caregiver*))	Search modes - Boolean/Phrase
S20	S15 AND S19	Search modes - Boolean/Phrase
S19	S16 OR S17 OR S18	Search modes - Boolean/Phrase
S18	(MH "Continuity of Patient Care+")	Search modes - Boolean/Phrase
S17	(MH "Transitional Care")	Search modes - Boolean/Phrase
S16	(MH "Patient Discharge+")	Search modes - Boolean/Phrase
S15	S13 OR S14	Search modes - Boolean/Phrase
S14	(MH "Caregivers")	Search modes - Boolean/Phrase
S13	(MH "Family+")	Search modes - Boolean/Phrase
S12	S7 OR S8 OR S9 OR S10 OR S11	Search modes - Boolean/Phrase
S11	TX (SCBU or NICU)	Search modes - Boolean/Phrase
S10	TX (special and care and baby and unit*)	Search modes - Boolean/Phrase
S9	(MH "Intensive Care Units, Neonatal")	Search modes - Boolean/Phrase
S8	(MH "Intensive Care, Neonatal+")	Search modes - Boolean/Phrase
S7	S1 OR S2 OR S3 OR S4 OR S6	Search modes - Boolean/Phrase
S6	S1 AND S5	Search modes - Boolean/Phrase
S5	(MH "Respiratory Distress Syndrome+")	Search modes - Boolean/Phrase
S4	TX (low birth weight or very low birth weight)	Search modes - Boolean/Phrase
S3	(MH "Infant, Low Birth Weight+")	Search modes - Boolean/Phrase
S2	TX (infan* or neonat* or neo-nat* or newborn* or baby or babies or preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie or premies)	Search modes - Boolean/Phrase
S1	(MH "Infant, Newborn+")	Search modes - Boolean/Phrase

1 Date of search: 07/03/2018

2 Databases(s): The Cochrane Library, issue 3 of 12, March 2018

ID	Search
#1	MeSH descriptor: [Infant, Newborn] explode all trees
#2	(infan* or neonat* or neo-nat* or newborn* or baby or babies)
#3	(preterm or pre-term or prematur* or pre-matur* or preemie* or premie* or premie*)
#4	(low next birth near/3 weigh*)
#5	MeSH descriptor: [Intensive Care, Neonatal] this term only
#6	MeSH descriptor: [Intensive Care Units, Neonatal] this term only
#7	(special and care and baby and unit*)
#8	((newborn or neonatal or neo-natal) near/2 (ICU or ICUs or unit*))
#9	(SCBU or NICU)
#10	{or #1-#9}
#11	MeSH descriptor: [Family] explode all trees
#12	MeSH descriptor: [Caregivers] this term only
#13	{or #11-#12}
#14	MeSH descriptor: [Continuity of Patient Care] explode all trees
#15	MeSH descriptor: [Patient Care Planning] this term only
#16	{or #14-#15}
#17	#13 and #16
#18	((discharg* or transition* or transfer* or handoff or handover or "hand over") near/5 (parents or parent or parental or family or families or mother* or maternal or father* or paternal or sibling* or brother* or sister* or grandparent* or grandmother* or grandfather* or carer* or caregiver*))
#19	("paediatric passport*" or "pediatric passport*")
#20	{or #17-#19}
#21	#10 and #20 Publication Year from 2000 to 2018

3 Health economics

4 Date of search: 08/03/2018

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- 1 Database(s): Embase 1980 to 2018 Week 10, Ovid MEDLINE(R) Epub Ahead of Print, In-
- 2 Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)
- 3 1946 to Present

#	Searches
1	exp Infant, Newborn/ use ppez
2	newborn/ use emez
3	prematurity/ use emez
4	(infan* or neonat* or neo-nat* or newborn* or baby or babies).ti,ab,jw,nw.
5	(preterm or pre-term or prematur* or pre-matur* or pre?mie* or premie*1).tw.
6	exp low birth weight/ use emez
7	(low adj3 birth adj3 weigh\$).tw.
8	(LBW or VLBW).tw.
9	exp Respiratory Distress Syndrome, Newborn/ use ppez
10	neonatal respiratory distress syndrome/ use emez
11	exp Intensive Care, Neonatal/ use ppez
12	newborn intensive care/ use emez
13	exp Intensive Care Units, Neonatal/ use ppez
14	neonatal intensive care unit/ use emez
15	Neonatal Nursing/ use ppez
16	exp newborn nursing/ use emez
17	(special and care and baby and unit*).tw.
18	(SCBU or NICU).tw.
19	or/1-18
20	exp relative/ use emez
21	caregiver/ use emez
22	exp Family/ use ppez
23	Caregivers/ use ppez
24	or/20-23
25	*hospital discharge/ use emez
26	transitional care/ use emez
27	clinical handover/ use emez
28	patient care planning/ use emez
29	*Continuity of Patient Care/ use ppez
30	Patient Discharge/ use ppez or Patient Handoff/ use ppez or Patient Transfer/ use ppez or Transitional Care/ use ppez
31	*Patient Care Planning/ use ppez
32	or/25-31
33	24 and 32
34	((discharg* or transition* or transfer* or handoff or handover or "hand over") adj5 (parents or parent or parental or family or families or mother* or maternal or father* or paternal or sibling* or brother* or sister* or grandparent* or grandmother* or grandfather* or carer* or caregiver)).tw.
35	((paediatric or pediatric) adj passport*).tw.
36	or/33-35
37	19 and 36
38	Economics/
39	Value of life/
40	exp "Costs and Cost Analysis"/
41	exp Economics, Hospital/
42	exp Economics, Medical/
43	Economics, Nursing/
44	Economics, Pharmaceutical/
45	exp "Fees and Charges"/
46	exp Budgets/
47	(or/38-46) use ppez
48	health economics/
49	exp economic evaluation/
50	exp health care cost/
51	exp fee/
52	budget/
53	funding/
54	(or/48-53) use emez
55	budget*.ti,ab.
56	cost*.ti.
57	(economic* or pharmaco?economic*).ti.
58	(price* or pricing*).ti,ab.
59	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.

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#	Searches
60	(financ* or fee or fees).ti,ab.
61	(value adj2 (money or monetary)).ti,ab.
62	or/55-60
63	47 or 54 or 62
64	37 and 63
65	limit 64 to english language
66	limit 65 to yr="2000 -Current"
67	remove duplicates from 66

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- 2 This is a combined search strategy and is the same used for all the evidence reviews for the
- 3 D review questions as listed below.