**Supplement 1: Detailed Search Strategies**

**MEDLINE (Ovid):**

1 exp Intensive Care Units/

2 exp Critical Care/

3 (intensive care or critical care or coronary care or ICU or CCU).mp.

4 exp Terminal Care/

5 exp Terminally Ill/

6 exp Life Support Care/

7 exp Palliative Care/

8 exp Critical Illness/

9 exp Medical Futility/

10 (end of life or life sustaining or life prolonging or life limiting or life support or palliat\* or futil\* or terminal\*).mp.

11 exp Decision Making/

12 exp Decision Support Techniques/

13 (decision\* or decid\*).mp.

14 (or/1-3) and (or/4-10) and (or/11-13)

15 exp Withholding Treatment/

16 exp Resuscitation Orders/

17 exp Advance Directives/

18 (withhold\* or withdraw\* or limit\* or forgo\*).mp.

19 exp Death/

20 exp Mortality/

21 (death\* or dead or dying or die or deceased or mortality).mp.

22 14 and (or/15-18) and (or/19-21)

23 (exp Adolescent/ or exp Child/ or exp Infant/) not exp Adult/

24 ((neonat\* or perinat\* or newborn\* or infant\* or child\* or pediatric\* or paediatric\*) not adult\*).ti.

25 22 not (or/23-24)

26 limit 25 to english language

**PubMed (PubMed.gov):**

#1 "intensive care" [tiab] OR "critical care" [tiab] OR "coronary care" [tiab] OR ICU [tiab] OR CCU [tiab]

#2 "end of life" [tiab] OR "life sustaining" [tiab] OR "life prolonging" [tiab] OR "life limiting" [tiab] OR "life support" [tiab] OR palliat\* [tiab] OR futil\* [tiab] OR terminal\* [tiab]

#3 decision\* [tiab] OR decid\* [tiab]

#4 withhold\* [tiab] OR withdraw\* [tiab] OR limit\* [tiab] OR forgo\* [tiab]

#5 death\* [tiab] OR dead [tiab] OR dying [tiab] OR die [tiab] OR deceased [tiab] OR mortality [tiab]

#6 #1 AND #2 AND #3 AND #4 AND #5

#7 (neonat\* [ti] OR perinat\* [ti] OR newborn\* [ti] OR infant\* [ti] OR child\* [ti] OR pediatric\* [ti] OR paediatric\* [ti]) NOT adult\* [ti]

#8 (#6 NOT #7) AND English [la]

#9 #8 NOT medline [sb]

**EMBASE (Embase.com)**

#1  'intensive care unit'/exp

#2  'intensive care'/exp

#3  'coronary care unit'/exp

#4  'intensive care':ab,ti OR 'critical care':ab,ti OR 'coronary care':ab,ti OR ccu:ab,ti OR icu:ab,ti

#5  'terminal care'/exp

#6  'terminally ill patient'/exp

#7  'palliative therapy'/exp

#8  'palliative nursing'/exp

#9  'critical illness'/exp

#10  'critically ill patient'/exp

#11  'dying'/exp

#12  'end of life':ab,ti OR 'life sustaining':ab,ti OR 'life prolonging':ab,ti OR 'life limiting':ab,ti OR 'life support':ab,ti OR palliat\*:ab,ti OR futil\*:ab,ti OR terminal\*:ab,ti

#13  'decision making'/exp

#14  'clinical decision making'/exp

#15  'decision support system'/exp

#16  decision\*:ab,ti OR decid\*:ab,ti

#17  'treatment withdrawal'/exp

#18  'resuscitation'/exp

#19  'living will'/exp

#20  withhold\*:ab,ti OR withdraw\*:ab,ti OR limit\*:ab,ti OR forgo\*:ab,ti OR (resuscitat\* NEXT/1 order\*):ab,ti OR (advance\* NEXT/1 directive\*):ab,ti

#21  'death'/exp

#22  'mortality'/exp

#23  death\*:ab,ti OR dead:ab,ti OR dying:ab,ti OR die:ab,ti OR deceased:ab,ti OR mortality:ab,ti

#24  (#1 OR #2 OR #3 OR #4) AND (#5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12) AND (#13 OR #14 OR #15 OR #16) AND (#17 OR #18 OR #19 OR #20) AND (#21 OR #22 OR #23)

#25  'juvenile'/exp NOT 'adult'/exp

#26  (neonat\*:ti OR perinat\*:ti OR newborn\*:ti OR infant\*:ti OR child\*:ti OR baby:ti OR babies:ti OR pediatric\*:ti OR paediatric\*:ti) NOT adult\*:ti

#27  (#24 NOT (#25 OR #26)) AND [english]/lim

**Cochrane Library (Wiley):**

#1 ("intensive care" OR "critical care" OR "coronary care" OR ICU OR CCU):ti,ab,kw

#2 ("end of life" OR "life sustaining" OR "life prolonging" OR "life limiting" OR "life support" OR palliat\* OR futil\* OR terminal\*):ti,ab,kw

#3 (decision\* OR decid\*):ti,ab,kw

#4 (withhold\* OR withdraw\* OR limit\* OR forgo\*):ti,ab,kw

#5 (death\* OR dead OR dying OR die OR deceased OR mortality):ti,ab,kw

#6 #1 AND #2 AND #3 AND #4 AND #5

#7 ((neonat\* OR perinat\* OR newborn\* OR infant\* OR child\* OR pediatric\* OR paediatric\*) NOT adult\*):ti

#8 #6 not #7

**CINAHL (EBSCOhost):**

S1 (MH "Intensive Care Units+")

S2 (MH "Critical Care+")

S3 "intensive care" OR "critical care" OR "coronary care" OR icu OR ccu

S4 (MH "Terminal Care+")

S5 (MH "Terminally Ill Patients+")

S6 (MH "Critical Illness")

S7 (MH "Critically Ill Patients")

S8 (MH "Life Support Care+")

S9 (MH "Palliative Care")

S10 (MH "Medical Futility")

S11 "end of life" OR "life sustaining" OR "life prolonging" OR "life limiting" OR "life support" OR palliat\* OR futil\* OR terminal\*

S12 (MH "Decision Making+")

S13 (MH "Decision Support Techniques+")

S14 decision\* OR decid\*

S15 (MH "Advance Directives+")

S16 withhold\* OR withdraw\* or limit\* or forgo\* OR (resuscitat\* W1 order\*) OR (advance\* W1 directive\*)

S17 (MH "Death")

S18 (MH "Mortality+")

S19 death\* or dead or dying or die or deceased or mortality

S20 (s1 OR s2 OR s3) AND (s4 OR s5 OR s6 OR s7 OR s8 OR s9 OR s10 OR s11) AND (s12 OR s13 OR s14) AND (s15 OR s16) AND (s17 OR s18 OR s19)

S21 ((MH "Adolescence+") OR (MH "Child+")) NOT (MH "Adult+")

S22 TI ((neonat\* OR perinat\* OR newborn\* OR infant\* OR child\* OR pediatric\* OR paediatric\*) NOT adult\*)

S23 s20 NOT (s21 OR s22) Limiter: English Language

**PsycINFO (EBSCOhost):**

S1 DE "Intensive Care" OR DE "Neonatal Intensive Care"

S2 "intensive care" OR "critical care" OR "coronary care" OR icu OR ccu

S3 DE "Terminally Ill Patients"

S4 DE "Life Sustaining Treatment" OR DE "CPR"

S5 DE "Palliative Care"

S6 "end of life" OR "life sustaining" OR "life prolonging" OR "life limiting" OR "life support" OR palliat\* OR futil\* OR terminal\*

S7 DE "Decision Making" OR DE "Choice Behavior" OR DE "Group Decision Making" OR DE "Management Decision Making"

S8 DE "Decision Support Systems"

S9 decision\* OR decid\*

S10 DE "Treatment Withholding"

S11 DE "Treatment Termination"

S12 DE "Advance Directives"

S13 withhold\* OR withdraw\* or limit\* or forgo\* OR (resuscitat\* W1 order\*) OR (advance\* W1 directive\*)

S14 DE "Death and Dying" OR DE "Euthanasia" OR DE "Parental Death"

S15 DE "Mortality Rate"

S16 death\* or dead or dying or die or deceased or mortality

S17 (s1 OR s2) AND (s3 OR s4 OR s5 OR s6) AND (s7 OR s8 OR s9) AND (s10 OR s11 OR s12 OR s13) AND (s14 OR s15 OR s16)

S18 (s1 OR s2) AND (s3 OR s4 OR s5 OR s6) AND (s7 OR s8 OR s9) AND (s10 OR s11 OR s12 OR s13) AND (s14 OR s15 OR s16)

Limiters - Age Groups: Childhood (birth-12 yrs), Neonatal (birth-1 mo), Infancy (2-23 mo), Preschool Age (2-5 yrs), School Age (6-12 yrs), Adolescence (13-17 yrs)

S19 (s1 OR s2) AND (s3 OR s4 OR s5 OR s6) AND (s7 OR s8 OR s9) AND (s10 OR s11 OR s12 OR s13) AND (s14 OR s15 OR s16)

Limiters - Age Groups: Adulthood (18 yrs & older), Young Adulthood (18-29 yrs), Thirties (30-39 yrs), Middle Age (40-64 yrs), Aged (65 yrs & older), Very Old (85 yrs & older)

S20 s17 NOT (s18 OR s19)

S21 TI ((neonat\* OR perinat\* OR newborn\* OR infant\* OR child\* OR pediatric\* OR paediatric\*) NOT adult\*)

S22 s17 NOT s21

S23 s19 OR s20 OR s22 Limiters - English

**Philosopher’s Index (ProQuest):**

S1 su.Exact("intensive care" OR "intensive care unit (icu)")

S2 su.Exact("critical care")

S3 "intensive care" OR "critical care" OR "coronary care" OR ICU OR CCU

S4 su.Exact("palliative care")

S5 su.Exact("life support")

S6 su.Exact("dying")

S7 ("end of life" OR "life sustaining" OR "life prolonging" OR "life limiting" OR "life support" OR palliat\* OR futil\* OR terminal\*) AND su.Exact("dying")

S8 su.Exact("decision making")

S9 decision\* OR decide\*

S10 su.Exact("withholding")

S11 su.Exact("withdrawal" OR "withdrawing")

S12 su.Exact("resuscitation" OR "cpr (cardiopulmonary resuscitation)")

S13 su.Exact("advance directive" OR "advance care planning")

S14 withhold\* OR withdraw\* OR limit\* OR forgo\*

S15 su.Exact("death")

S16 su.Exact("mortality")

S17 death\* OR dead OR dying OR die OR deceased OR mortality

S18 (s1 OR s2 OR s3) AND (s4 OR s5 OR s6 OR s7) AND (s8 OR s9) AND (s10 OR s11 OR s12 OR s13 OR s14) AND (s15 OR s16 OR s17)

S19 su.Exact("child")

S20 su.Exact("infant")

S21 su.Exact("newborn")

S22 su.Exact("adolescents")

S23 su.Exact("adult")

S24 (s19 OR s20 OR s21 OR s22) NOT s23

S25 ti(((neonat\* OR perinat\* OR newborn\* OR infant\* OR child\* OR pediatric\* OR paediatric\*) NOT adult\*) )

S26 s18 NOT (s24 OR s25)

**Scopus (Scopus.com):**

#1 TITLE-ABS-KEY("intensive care" OR "critical care" OR "coronary care" OR ICU OR CCU)

#2 TITLE-ABS-KEY("end of life" OR "life sustaining" OR "life prolonging" OR "life limiting" OR "life support" OR palliat\* OR futil\* OR terminal\*)

#3 TITLE-ABS-KEY(decision\* OR decid\*)

#4 TITLE-ABS-KEY(withhold\* OR withdraw\* OR limit\* OR forgo\*)

#5 TITLE-ABS-KEY(death\* OR dead OR dying OR die OR deceased OR mortality)

#6 #1 AND #2 AND #3 AND #4 AND #5

#7 TITLE ((neonat\* OR perinat\* OR newborn\* OR infant\* OR child\* OR pediatric\* OR paediatric\*) AND NOT adult\*)

#8 (#6 AND NOT #7) AND (LIMIT-TO (LANGUAGE, "English"))

**Web of Science (Thomson Reuters):**

# 1 TOPIC: ("intensive care" OR "critical care" OR "coronary care" OR ICU OR CCU)

# 2 TOPIC: ("end of life" OR "life sustaining" OR "life prolonging" OR "life limiting" OR "life support" OR palliat\* OR futil\* OR terminal\*)

# 3 TOPIC: (decision\* OR decid\*)

# 4 TOPIC: (withhold\* OR withdraw\* OR limit\* OR forgo\*)

# 5 TOPIC: (death\* OR dead OR dying OR die OR deceased OR mortality)

# 6 #1 AND #2 AND #3 AND #4 AND #5

# 7 TITLE: ((neonat\* OR perinat\* OR newborn\* OR infant\* OR child\* OR pediatric\* OR paediatric\*) NOT adult\*)

# 8 (#6 NOT #7) AND LANGUAGE: (English)