

Appendix I: Search strategy

Database: Ovid MEDLINE(R) ALL 1946 to March 28, 2022

Date search conducted: March 29, 2022

Strategy:

- 1 ((death or dying or "end of life") and (process* or sign* or stage*)).ti. [coordinated concept for dying process] (5224)
- 2 Death/ and Blood Circulation/ (55)
- 3 Death/ and Heart Arrest/ (359)
- 4 *Death/ (12447)
- 5 asystol*.tw,kf. (4589)
- 6 ((arrest\$1 or dead or death\$1 or flat-lin* or flatlin*) adj2 (cardi* or circulat* or heart)).tw,kf. (102172)
- 7 ((cessation or failure) adj5 (cardiac rhythm\$1 or circulat* or heart function*)).tw,kf. (5007)
- 8 ((cessation or terminat*) adj3 cardi* resuscitation).tw,kf. (45)
- 9 or/2-8 [cardiac arrest or circulatory death] (121401)
- 10 Hemodynamics/ (144986)
- 11 exp Vital Signs/ph [Physiology] (91422)
- 12 ((death or dying or "end of life") adj3 (patholog* or pathophysiol* or physiolog* or physiopatholog* or process* or sign* or stage*)).tw,kf. (30949)
- 13 (h?emodynamic* or h?emo dynamic*).tw,kf. (193055)
- 14 vital sign*.tw,kf. (17684)
- 15 or/10-14 [physiological processes] (391130)
- 16 1 or (9 and 15) [Set 1: physiological processes of circulatory death] (15339)
- 17 exp Life Support Care/ (9040)
- 18 Resuscitation Orders/ (4105)
- 19 exp Withholding Treatment/ (16084)
- 20 Terminal Care/ (30611)
- 21 ((ceas* or cessation* or stop* or withdraw* or withhold*) adj2 (care or cardiorespiratory support* or life support* or life sustain* or life prolong* or resuscitat* or treat* or therap*)).tw,kf. (31647)
- 22 ((negative or passive) adj euthanasia*).tw,kf. (246)

- 23 ((DNR or resuscitat*) adj3 (deci* or order* or polic*)).tw,kf. (3070)
- 24 or/17-23 [withdrawal of life sustaining measures] (82132)
- 25 Time Factors/ (1226714)
- 26 delay*.tw,kf. (529639)
- 27 day\$1.tw,kf. (2173048)
- 28 "how long".tw,kf. (7650)
- 29 (hour\$1 or hr\$1).tw,kf. (928541)
- 30 (min\$1 or minute\$1).tw,kf. (1195001)
- 31 ((observ* or wait*) adj3 period\$1).tw,kf. (49375)
- 32 seconds.tw,kf. (53765)
- 33 (time\$1 or timing\$1).tw,kf. (4176680)
- 34 or/25-33 [time factors] (7730658)
- 35 ((confirm* or criteri* or declar* or determin* or diagnos* or exam* or pronounc* or predict*) adj3 (dead or death\$1 or die or died or dies or dying)).tw,kf. [death determination] (41430)
- 36 and/24,34-35 [Set 2: time to death predictions after withdrawal of life sustaining measures] (545)
- 37 *Attitude to Death/ (9625)
- 38 *Bereavement/ (4444)
- 39 *Communication/ (40752)
- 40 Family/px [Psychology] (23573)
- 41 Family Relations/ (11855)
- 42 Parent-Child Relations/ (35593)
- 43 exp Parents/px [Psychology] (55498)
- 44 Professional-Family Relations/ (15413)
- 45 Qualitative Research/ (72468)
- 46 ((attitude* or bereave* or communicat* or comfort* or experienc* or frustrat* or grief or griev* or role*) adj5 (care giver* or caregiver* or carer* or famil* or father* or mother* or parent* or relatives)).tw,kf. (102945)
- 47 or/37-46 [family experiences] (308199)
- 48 47 and (1 or 9 or 24) [Set 3: family experiences of death or withdrawal of life sustaining measures] (11904)

- 49 Adolescent/ (2167149)
- 50 exp Child/ (2060838)
- 51 Child, Hospitalized/ (7124)
- 52 exp Infant/ (1212475)
- 53 Minors/ (2731)
- 54 exp Pediatrics/ (62254)
- 55 (adolescen* or boy* or girl* or minors or teen*).tw,kf. (572388)
- 56 (babies* or baby* or infan* or neo-nat* or neonat* or newborn* or post matur* or postmatur* or post nat* or postnat*).tw,kf. (931351)
- 57 (child* or kid or kids or preschool* or school age* or schoolchild* or toddler*).tw,kf. (1585527)
- 58 (elementary school* or grade school* or gradeschool* or high school* or highschool* or kindergar* or nursery school* or primary school* or secondary school*).tw,kf. (79676)
- 59 p?ediatric*.tw,kf. (423876)
- 60 or/49-59 [Set 4: children] (4658631)
- 61 Hospitals, Pediatric/ (14698)
- 62 exp Intensive Care Units, Pediatric/ (25613)
- 63 PICU*.tw,kf. (6583)
- 64 ((child* or p?ediatric*) adj3 (acute care or ICU* or intensive care or hospital* or trauma cent*).tw,kf. (78346)
- 65 or/61-64 [Set 5: PICU] (103413)
- 66 16 and 60 [Q1: physiological process of dying in children] (1870)
- 67 36 and (60 or 65) [Q2-4: time prediction after withdrawal of life support in paediatrics] (142)
- 68 48 and 65 [Q5: family experience of death in the PICU] (447)
- 69 or/66-68 [Q1-5] (2427)
- 70 (exp animals/ or exp animal experimentation/ or exp models animal/ or exp vertebrates/ not (exp humans/ or exp human experimentation/)) (4981215)
- 71 ((ape or apes or animal* or baboon* or beagle* or cat or cats or chicken or chickens or chimp* or dog or dogs or feline* or fish or hamster or hamsters or horse or horses or lamb* or lapin* or macaque* or mouse or mice or nonhuman* or non human* or pig or piglet* or pigs or porcine or rabbit or rabbit or raccoon or raccoons or racehorse or racehorses or rat or rats or rodent* or swine* or sheep or zebrafish*) not (adults or children or human or humans or infants or patient or patients or people or seniors)).ti,kf. (2263725)

- 72 70 or 71 [animal filter] (5366924)
- 73 69 not 72 [exclude animal studies] (2202)
- 74 limit 73 to (english or french) (1990)
- 75 remove duplicates from 74 [MEDLINE results for export] (1990)

Database: Ovid Embase Classic+Embase 1947 to 2022 March 28

Date search conducted: March 29, 2022

Strategy:

- 1 ((death or dying or "end of life") and (process* or sign* or stage*)).ti. [coordinated concept for dying process] (6499)
- 2 dying/ (10432)
- 3 heart arrest/ (83317)
- 4 heart death/ (30479)
- 5 asystol*.tw,kw. (8084)
- 6 ((arrest\$1 or dead or death\$1 or flat-lin* or flatlin*) adj2 (cardi* or circulat* or heart)).tw,kw. (164630)
- 7 ((cessation or failure) adj5 (cardiac rhythm\$1 or circulat* or heart function*)).tw,kw. (8689)
- 8 ((cessation or terminat*) adj3 cardi* resuscitation).tw,kw. (74)
- 9 or/2-8 [cardiac arrest or circulatory death] (225828)
- 10 cardiopulmonary hemodynamics/ (5170)
- 11 exp heart hemodynamics/ (205410)
- 12 hemodynamics/ (170128)
- 13 vital sign/ (28692)
- 14 ((death or dying or "end of life") adj3 (patholog* or pathophysiol* or physiolog* or physiopatholog* or process* or sign* or stage*)).tw,kw. (43104)
- 15 (h?emodynamic* or h?emo dynamic*).tw,kw. (286143)
- 16 vital sign*.tw,kw. (35312)
- 17 or/10-16 [physiological processes] (602251)
- 18 1 or (9 and 17) [Set 1: physiological processes of circulatory death] (38453)
- 19 terminal care/ (39632)
- 20 treatment withdrawal/ (21895)

- 21 ((ceas* or cessation* or stop* or withdraw* or withhold*) adj2 (care or cardiorespiratory support* or life support* or life sustain* or life prolong* or resuscitat* or treat* or therap*)).tw,kw. (54311)
- 22 ((negative or passive) adj euthanasia*).tw,kw. (309)
- 23 ((DNR or resuscitat*) adj3 (deci* or order* or polic*)).tw,kw. (4455)
- 24 or/19-23 [withdrawal of life sustaining measures] (113827)
- 25 time factor/ (44481)
- 26 delay*.tw,kw. (752656)
- 27 day\$1.tw,kw. (3391617)
- 28 "how long".tw,kw. (11076)
- 29 (hour\$1 or hr\$1).tw,kw. (1626091)
- 30 (min\$1 or minute\$1).tw,kw. (1770414)
- 31 ((observ* or wait*) adj3 period\$1).tw,kw. (78886)
- 32 seconds.tw,kw. (85525)
- 33 (time\$1 or timing\$1).tw,kw. (5812376)
- 34 or/25-33 [time factors] (10200116)
- 35 ((confirm* or criteri* or declar* or determin* or diagnos* or exam* or pronounc* or predict*) adj3 (dead or death\$1 or die or died or dies or dying)).tw,kw. [death determination] (61960)
- 36 and/24,34-35 [Set 2: time to death predictions after withdrawal of life sustaining measures] (869)
- 37 *attitude to death/ (6557)
- 38 *bereavement/ (5079)
- 39 bereavement counseling/ (359)
- 40 bereavement support/ (645)
- 41 exp child parent relation/ (99525)
- 42 family relation/ (12412)
- 43 *interpersonal communication/ (52023)
- 44 professional-patient relationship/ (11619)
- 45 qualitative research/ (98362)
- 46 ((attitude* or bereave* or communicat* or comfort* or experienc* or frustrat* or grief or griev* or role*) adj5 (care giver* or caregiver* or carer* or famil* or father* or mother* or

- parent* or relatives)).tw,kw. (132800)
- 47 or/37-46 [family experiences] (374958)
- 48 47 and (1 or 9 or 24) [Set 3: family experiences of death or withdrawal of life sustaining measures] (10613)
- 49 exp adolescent/ (1801403)
- 50 exp child/ (3278637)
- 51 child death/ (6935)
- 52 child hospitalized/ (5151)
- 53 exp infant/ (1243396)
- 54 "minor (person)"/ (803)
- 55 pediatrics/ (94168)
- 56 (adolescen* or boy* or girl* or minors or teen*).tw,kw. (783128)
- 57 (babies* or baby* or infan* or neo-nat* or neonat* or newborn* or post matur* or postmatur* or post nat* or postnat*).tw,kw. (1195137)
- 58 (child* or kid or kids or preschool* or school age* or schoolchild* or toddler*).tw,kw. (2142914)
- 59 (elementary school* or grade school* or gradeschool* or high school* or highschool* or kindergar* or nursery school* or primary school* or secondary school*).tw,kw. (102898)
- 60 p?ediatric*.tw,kw. (673409)
- 61 or/49-60 [Set 4: children] (5220469)
- 62 pediatric emergency medicine/ (1098)
- 63 pediatric hospital/ (28187)
- 64 pediatric intensive care unit/ (10296)
- 65 PICU*.tw,kw. (14309)
- 66 ((child* or p?ediatric*) adj3 (acute care or ICU* or intensive care or hospital* or trauma cent*).tw,kw. (126884)
- 67 or/62-66 [Set 5: PICU] (142676)
- 68 18 and 61 [Q1: physiological process of dying in children] (3415)
- 69 36 and (61 or 67) [Q2-4: time prediction after withdrawal of life support in paediatrics] (189)
- 70 48 and 67 [Q5: family experience of death in the PICU] (295)
- 71 or/68-70 [Q1-5] (3860)

- 72 (exp animals/ or exp animal experimentation/ or exp models animal/ or exp vertebrates/
not (exp humans/ or exp human experimentation/) (6039722)
- 73 ((ape or apes or animal* or baboon* or beagle* or canine* or cat or cats or cattle or chicken
or chickens or chimp* or dog or dogs or feline* or fish or hamster or hamsters or horse or horses
or lamb* or lapin* or macaque* or mouse or mice or nonhuman* or non human* or pig or
piglet* or pigs or porcine or rabbit or rabbit or raccoon or raccoons or racehorse or racehorses or
rat or rats or rodent* or swine* or sheep or zebrafish*) not (adults or children or human or
humans or infants or patient or patients or people or seniors)).ti. (2737195)
- 74 72 or 73 [animal filter] (6421112)
- 75 71 not 74 [exclude animal studies] (3473)
- 76 (Conference Abstract or Conference Paper or Conference Review).pt. (5135989)
- 77 75 and 76 (1094)
- 78 limit 77 to yr="2019-2022" (332)
- 79 75 not 76 [exclude conference proceedings] (2379)
- 80 79 or 78 [add proceedings from last 3 yrs] (2711)
- 81 limit 80 to (english or french) (2502)
- 82 limit 81 to embase (1924)
- 83 remove duplicates from 82 [Embase results for export] (1917)

Database: EBM Reviews - Cochrane Central Register of Controlled Trials January 2022

Date search conducted: March 29, 2022

Strategy:

- 1 ((death or dying or "end of life") and (process* or sign* or stage*)).ti. [coordinated concept
for dying process] (72)
- 2 Death/ and Blood Circulation/ (0)
- 3 Death/ and Heart Arrest/ (11)
- 4 Death/ (222)
- 5 asystol*.tw. (331)
- 6 ((arrest\$1 or dead or death\$1 or flat-lin* or flatlin*) adj2 (cardi* or circulat* or heart)).tw.
(15713)
- 7 ((cessation or failure) adj5 (cardiac rhythm\$1 or circulat* or heart function*)).tw. (556)
- 8 ((cessation or terminat*) adj3 cardi* resuscitation).tw. (1)
- 9 or/2-8 [cardiac arrest or circulatory death] (16514)

- 10 Hemodynamics/ (10641)
- 11 exp Vital Signs/ (37981)
- 12 ((death or dying or "end of life") adj3 (patholog* or pathophysiol* or physiolog* or physiopatholog* or process* or sign* or stage*)).tw. (750)
- 13 (h?emodynamic* or h?emo dynamic*).tw. (33593)
- 14 vital sign*.tw. (16304)
- 15 or/10-14 [physiological processes] (86388)
- 16 1 or (9 and 15) [Set 1: physiological processes of circulatory death] (1542)
- 17 exp Life Support Care/ (161)
- 18 Resuscitation Orders/ (36)
- 19 exp Withholding Treatment/ (398)
- 20 Terminal Care/ (373)
- 21 ((ceas* or cessation* or stop* or withdraw* or withhold*) adj2 (care or cardiorespiratory support* or life support* or life sustain* or life prolong* or resuscitat* or treat* or therap*)).tw. (12588)
- 22 ((negative or passive) adj euthanasia*).tw. (1)
- 23 ((DNR or resuscitat*) adj3 (deci* or order* or polic*)).tw. (234)
- 24 or/17-23 [withdrawal of life sustaining measures] (13588)
- 25 Time Factors/ (67119)
- 26 delay*.tw. (45437)
- 27 day\$1.tw. (428499)
- 28 "how long".tw. (148088)
- 29 (hour\$1 or hr\$1).tw. (212983)
- 30 (min\$1 or minute\$1).tw. (130875)
- 31 ((observ* or wait*) adj3 period\$1).tw. (11157)
- 32 seconds.tw. (14267)
- 33 (time\$1 or timing\$1).tw. (463566)
- 34 or/25-33 [time factors] (962959)
- 35 ((confirm* or criteri* or declar* or determin* or diagnos* or exam* or pronounc* or predict*) adj3 (dead or death\$1 or die or died or dies or dying)).tw. [death determination] (3888)
- 36 and/24,34-35 [Set 2: time to death predictions after withdrawal of life sustaining measures]

- (53)
- 37 Attitude to Death/ (164)
- 38 Bereavement/ (136)
- 39 Communication/ (2503)
- 40 Family/px [Psychology] (0)
- 41 Family Relations/ (284)
- 42 Parent-Child Relations/ (1240)
- 43 exp Parents/px [Psychology] (4)
- 44 Professional-Family Relations/ (224)
- 45 Qualitative Research/ (1297)
- 46 ((attitude* or bereave* or communicat* or comfort* or experienc* or frustrat* or grief or griev* or role*) adj5 (care giver* or caregiver* or carer* or famil* or father* or mother* or parent* or relatives)).tw. (9300)
- 47 or/37-46 [family experiences] (13976)
- 48 47 and (1 or 9 or 24) [Set 3: family experiences of death or withdrawal of life sustaining measures] (254)
- 49 Adolescent/ (110345)
- 50 exp Child/ (59836)
- 51 Child, Hospitalized/ (143)
- 52 exp Infant/ (33634)
- 53 Minors/ (10)
- 54 exp Pediatrics/ (717)
- 55 (adolescen* or boy* or girl* or minors or teen*).tw. (41566)
- 56 (babies* or baby* or infan* or neo-nat* or neonat* or newborn* or post matur* or postmatur* or post nat* or postnat*).tw. (66374)
- 57 (child* or kid or kids or preschool* or school age* or schoolchild* or toddler*).tw. (146965)
- 58 (elementary school* or grade school* or gradeschool* or high school* or highschool* or kindergar* or nursery school* or primary school* or secondary school*).tw. (10198)
- 59 p?ediatric*.tw. (38493)
- 60 or/49-59 [Set 4: children] (316440)
- 61 Hospitals, Pediatric/ (214)

- 62 exp Intensive Care Units, Pediatric/ (1123)
- 63 PICU*.tw. (1063)
- 64 ((child* or p?ediatric*) adj3 (acute care or ICU* or intensive care or hospital* or trauma cent*).tw. (8664)
- 65 or/61-64 [Set 5: PICU] (9963)
- 66 16 and 60 [Q1: physiological process of dying in children] (142)
- 67 36 and (60 or 65) [Q2-4: time prediction after withdrawal of life support in paediatrics] (6)
- 68 48 and 65 [Q5: family experience of death in the PICU] (8)
- 69 or/66-68 [Q1-5] (155)
- 70 (exp animals/ or exp animal experimentation/ or exp models animal/ or exp vertebrates/ not (exp humans/ or exp human experimentation/ (17)
- 71 ((ape or apes or animal* or baboon* or beagle* or cat or cats or chicken or chickens or chimp* or dog or dogs or feline* or fish or hamster or hamsters or horse or horses or lamb* or lapin* or macaque* or mouse or mice or nonhuman* or non human* or pig or piglet* or pigs or porcine or rabbit or rabbit or raccoon or raccoons or racehorse or racehorses or rat or rats or rodent* or swine* or sheep or zebrafish*) not (adults or children or human or humans or infants or patient or patients or people or seniors)).ti. (5570)
- 72 70 or 71 [animal filter] (5587)
- 73 69 not 72 [exclude animal studies] (152)
- 74 remove duplicates from 73 [CENTRAL records for export] (152)

Database: Ovid APA PsycInfo 1806 to March Week 3 2022

Date search conducted: Mar 29, 2022

Strategy:

- 1 ((death or dying or "end of life") and (process* or sign* or stage*)).ti. [coordinated concept for dying process] (555)
- 2 "Death and Dying"/ (34646)
- 3 asystol*.ti,ab. (121)
- 4 ((arrest\$1 or dead or death\$1 or flat-lin* or flatlin*) adj2 (cardi* or circulat* or heart)).ti,ab. (2254)
- 5 ((cessation or failure) adj5 (cardiac rhythm\$1 or circulat* or heart function*)).ti,ab. (79)
- 6 ((cessation or terminat*) adj3 cardi* resuscitation).ti,ab. (1)
- 7 or/2-6 [cardiac arrest or circulatory death] (36541)

- 8 Physiological Processes/ (182)
- 9 ((death or dying or "end of life") adj3 (patholog* or pathophysiol* or physiolog* or physiopatholog* or process* or sign* or stage*)).ti,ab. (3753)
- 10 (h?emodynamic* or h?emo dynamic*).ti,ab. (5020)
- 11 vital sign*.ti,ab. (1831)
- 12 or/8-11 [physiological processes] (10758)
- 13 1 or (7 and 12) [Set 1: physiological processes of circulatory death] (1886)
- 14 Palliative Care/ (13574)
- 15 Treatment Withholding/ (918)
- 16 ((ceas* or cessation* or stop* or withdraw* or withhold*) adj2 (care or cardiorespiratory support* or life support* or life sustain* or life prolong* or resuscitat* or treat* or therap*)).ti,ab. (5602)
- 17 ((negative or passive) adj euthanasia*).ti,ab. (63)
- 18 ((DNR or resuscitat*) adj3 (deci* or order* or polic*)).ti,ab. (477)
- 19 or/14-18 [withdrawal of life sustaining measures] (19872)
- 20 Time/ (14139)
- 21 delay*.ti,ab. (88445)
- 22 day\$1.ti,ab. (250658)
- 23 "how long".ti,ab. (2669)
- 24 (hour\$1 or hr\$1).ti,ab. (115093)
- 25 (min\$1 or minute\$1).ti,ab. (190889)
- 26 ((observ* or wait*) adj3 period\$1).ti,ab. (5766)
- 27 seconds.ti,ab. (6099)
- 28 (time\$1 or timing\$1).ti,ab. (754635)
- 29 or/20-28 [time factors] (1176841)
- 30 ((confirm* or criteri* or declar* or determin* or diagnos* or exam* or pronounc* or predict*) adj3 (dead or death\$1 or die or died or dies or dying)).ti,ab. [death determination] (4320)
- 31 and/19,29-30 [Set 2: time to death predictions after withdrawal of life sustaining measures] (112)
- 32 exp Bereavement/ (15942)
- 33 Communication/ (31134)

- 34 Death Attitudes/ (3579)
- 35 Family Relations/ (37410)
- 36 exp Interpersonal Communication/ (87323)
- 37 Interpersonal Relationships/ (21475)
- 38 exp Parent Child Relations/ (72184)
- 39 exp Qualitative Methods/ (18833)
- 40 ((attitude* or bereave* or communicat* or comfort* or experienc* or frustrat* or grief or griev* or role*) adj5 (care giver* or caregiver* or carer* or famil* or father* or mother* or parent* or relatives)).ti,ab. (112125)
- 41 or/32-40 [family experiences] (343667)
- 42 41 and (1 or 7 or 19) [Set 3: family experiences of death or withdrawal of life sustaining measures] (10913)
- 43 exp Adolescent Development/ (61865)
- 44 Child Death/ (357)
- 45 Child Health/ (525)
- 46 exp Childhood Development/ (116182)
- 47 Early Adolescence/ (2522)
- 48 Early Childhood Development/ (15009)
- 49 Infant Development/ (21210)
- 50 Neonatal Period/ (1858)
- 51 Pediatrics/ (28441)
- 52 Puberty/ (3054)
- 53 (adolescen* or boy* or girl* or minors or teen*).ti,ab. (345092)
- 54 (babies* or baby* or infan* or neo-nat* or neonat* or newborn* or post matur* or postmatur* or post nat* or postnat*).ti,ab. (140094)
- 55 (child* or kid or kids or preschool* or school age* or schoolchild* or toddler*).ti,ab. (746998)
- 56 (elementary school* or grade school* or gradeschool* or high school* or highschool* or kindergar* or nursery school* or primary school* or secondary school*).ti,ab. (155980)
- 57 p?ediatric*.ti,ab. (40170)
- 58 or/43-57 [Set 4: children] (1111590)
- 59 PICU*.ti,ab. (483)

- 60 ((child* or p?ediatric*) adj3 (acute care or ICU* or intensive care or hospital* or trauma cent*)).ti,ab. (7827)
- 61 59 or 60 [Set 5: PICU] (8077)
- 62 13 and 58 [Q1: physiological process of dying in children] (321)
- 63 31 and (58 or 61) [Q2-4: time prediction after withdrawal of life support in paediatrics] (16)
- 64 41 and 61 [Q5: family experience of death in the PICU] (1441)
- 65 or/62-64 [Q1-5] (1774)
- 66 (exp animals/ or exp animal experimentation/ or exp animal experiment/ or exp models animal/ or nonhuman/ or exp vertebrate/ or exp vertebrates/ or animal.po.) not (exp humans/ or exp human experimentation/ or exp human experiment/ or human.po.) (379922)
- 67 ((ape or apes or animal* or baboon* or beagle* or cat or cats or chicken or chickens or chimp* or dog or dogs or feline* or fish or hamster or hamsters or horse or horses or lamb* or lapin* or macaque* or mouse or mice or nonhuman* or non human* or pig or piglet* or pigs or porcine or rabbit or rabbit or raccoon or raccoons or racehorse or racehorses or rat or rats or rodent* or swine* or sheep or zebrafish*) not (adults or children or human or humans or infants or patient or patients or people or seniors)).ti. (171211)
- 68 66 or 67 [animal filter] (398941)
- 69 65 not 68 [exclude animal studies] (1746)
- 70 limit 69 to (english or french) (1630)
- 71 remove duplicates from 70 [PsycINFO results for export] (1629)

Database: CINAHL via EBSCOhost

Date search conducted: March 29, 2022

#	Query	Limiters/Expanders	Results
S1	TI ((death or dying or "end of life") and (process* or sign* or stage*))	Search modes - Boolean/Phrase	1,119
S2	(MM "Death")	Search modes - Boolean/Phrase	9,829
S3	(MH "Death") and (MH "Blood Circulation")	Search modes - Boolean/Phrase	37

S4	(MH "Death") and (MH "Heart Arrest")	Search modes - Boolean/Phrase	205
S5	(MH "Death, Sudden, Cardiac")	Search modes - Boolean/Phrase	7,121
S6	TI asystol* or AB asystol*	Search modes - Boolean/Phrase	1,222
S7	TI ((arrest* or dead or death* or "flat lin*" or flatlin*) N2 (cardi* or circulat* or heart)) or AB ((arrest* or dead or death* or "flat lin*" or flatlin*) N2 (cardi* or circulat* or heart))	Search modes - Boolean/Phrase	36,787
S8	TI ((cessation or terminat*) N3 "cardi* resuscitation") or AB ((cessation or terminat*) N3 "cardi* resuscitation")	Search modes - Boolean/Phrase	19
S9	S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8	Search modes - Boolean/Phrase	50,347
S10	(MH "Hemodynamics")	Search modes - Boolean/Phrase	20,326
S11	(MH "Vital Signs+")	Search modes - Boolean/Phrase	19,554
S12	TI ((death or dying or "end of life") N3 (patholog* or pathophysiolog* or physiolog* or physiopatholog* or process* or sign* or stage*)) or AB ((death or dying or "end of life") N3 (patholog* or pathophysiolog* or physiolog* or physiopatholog* or process* or sign* or stage*))	Search modes - Boolean/Phrase	9,280
S13	TI (h#emodynamic* or "h#emo dynamic*") or AB (h#emodynamic* or "h#emo dynamic*")	Search modes - Boolean/Phrase	31,043
S14	TI "vital sign*" or AB "vital sign*"	Search modes - Boolean/Phrase	8,165
S15	S10 OR S11 OR S12 OR S13 OR S14	Search modes - Boolean/Phrase	74,200

S16	S1 OR (S9 AND S15)	Search modes - Boolean/Phrase	4,275
S17	(MH "Euthanasia, Passive")	Search modes - Boolean/Phrase	4,927
S18	(MH "Life Support Care+")	Search modes - Boolean/Phrase	4,592
S19	(MH "Resuscitation Orders")	Search modes - Boolean/Phrase	3,208
S20	(MH "Terminal Care")	Search modes - Boolean/Phrase	19,220
S21	TI ((ceas* or cessation* or stop* or withdraw* or withhold*) N2 (care or "cardiorespiratory support*" or "life support*" or "life sustain*" or "life prolong*" or resuscitat* or treat* or therap*)) or AB ((ceas* or cessation* or stop* or withdraw* or withhold*) N2 (care or "cardiorespiratory support*" or "life support*" or "life sustain*" or "life prolong*" or resuscitat* or treat* or therap*))	Search modes - Boolean/Phrase	11,096
S22	TI ((negative or passive) N1 euthanasia*) or AB ((negative or passive) N1 euthanasia*)	Search modes - Boolean/Phrase	80
S23	TI ((DNR or resuscitat*) N3 (deci* or order* or polic*)) or AB ((DNR or resuscitat*) N3 (deci* or order* or polic*))	Search modes - Boolean/Phrase	2,009
S24	S17 OR S18 OR S19 OR S20 OR S21 OR S22 OR S23	Search modes - Boolean/Phrase	39,238
S25	(MH "Time Factors")	Search modes - Boolean/Phrase	181,711
S26	TI delay* or AB delay*	Search modes - Boolean/Phrase	98,006
S27	TI (day or days) or AB (day or days)	Search modes - Boolean/Phrase	359,213

S28	TI "how long" or AB "how long"	Search modes - Boolean/Phrase	2,489
S29	TI (hour or hours or hr or hrs) or AB (hour or hours or hr or hrs)	Search modes - Boolean/Phrase	172,554
S30	TI (min or mins or minute or minutes) or AB (min or mins or minute or minutes)	Search modes - Boolean/Phrase	136,029
S31	TI ((observ* or wait*) N3 period*) or AB ((observ* or wait*) N3 period*)	Search modes - Boolean/Phrase	10,329
S32	TI seconds or AB seconds	Search modes - Boolean/Phrase	191,016
S33	TI (time or timed or times or timing or timings) or AB (time or timed or times or timing or timings)	Search modes - Boolean/Phrase	768,052
S34	S25 OR S26 OR S27 OR S28 OR S29 OR S30 OR S31 OR S32 OR S33	Search modes - Boolean/Phrase	1,428,586
S35	TI ((confirm* or criteri* or declar* or determin* or diagnos* or exam* or pronounc* or predict*) N3 (dead or death\$1 or die or died or dies or dying)) or AB ((confirm* or criteri* or declar* or determin* or diagnos* or exam* or pronounc* or predict*) N3 (dead or death\$1 or die or died or dies or dying))	Search modes - Boolean/Phrase	2,295
S36	S24 AND S34 AND S35	Search modes - Boolean/Phrase	90
S37	(MM "Attitude to Death")	Search modes - Boolean/Phrase	5,177
S38	(MM "Bereavement")	Search modes - Boolean/Phrase	5,374
S39	(MM "Communication")	Search modes - Boolean/Phrase	34,407

S40 (MH "Family/PF")	Search modes - Boolean/Phrase	12,219
S41 (MH "Family Relations")	Search modes - Boolean/Phrase	17,734
S42 (MM "Grief")	Search modes - Boolean/Phrase	4,494
S43 (MH "Parent-Child Relations+")	Search modes - Boolean/Phrase	37,633
S44 (MH "Parents+/PF")	Search modes - Boolean/Phrase	32,353
S45 (MH "Professional-Family Relations")	Search modes - Boolean/Phrase	17,509
S46 (MH "Qualitative Studies+")	Search modes - Boolean/Phrase	167,342
S47 TI ((attitude* or bereave* or communicat* or comfort* or experienc* or frustrat* or grief or griev* or role*) N5 ("care giver*" or caregiver* or carer* or famil* or father* or mother* or parent* or relatives)) or AB ((attitude* or bereave* or communicat* or comfort* or experienc* or frustrat* or grief or griev* or role*) N5 ("care giver*" or caregiver* or carer* or famil* or father* or mother* or parent* or relatives))	Search modes - Boolean/Phrase	73,344
S48 S37 OR S38 OR S39 OR S40 OR S41 OR S42 OR S43 OR S44 OR S45 OR S46 OR S47	Search modes - Boolean/Phrase	330,435
S49 S48 AND (S1 OR S9 OR S24)	Search modes - Boolean/Phrase	9,989
S50 (MH "Adolescence+")	Search modes - Boolean/Phrase	573,274
S51 (MH "Child+")	Search modes - Boolean/Phrase	719,607

S52 (MH "Infant")	Search modes - Boolean/Phrase	183,272
S53 (MH "Infant, Hospitalized")	Search modes - Boolean/Phrase	686
S54 (MH "Infant, Newborn")	Search modes - Boolean/Phrase	139,956
S55 (MH "Minors (Legal)")	Search modes - Boolean/Phrase	768
S56 (MH "Pediatrics")	Search modes - Boolean/Phrase	21,132
S57 TI (adolescen* or boy* or girl* or minors or teen*) or AB (adolescen* or boy* or girl* or minors or teen*)	Search modes - Boolean/Phrase	252,581
S58 TI (babies* or baby* or infan* or "neo nat*" or neonat* or newborn* or "post matur*" or postmatur* or "post nat*" or postnat*) or AB (babies* or baby* or infan* or "neo nat*" or neonat* or newborn* or "post matur*" or postmatur* or "post nat*" or postnat*)	Search modes - Boolean/Phrase	221,846
S59 TI (child* or kid or kids or preschool* or "school age*" or schoolchild* or toddler*) or AB (child* or kid or kids or preschool* or "school age*" or schoolchild* or toddler*)	Search modes - Boolean/Phrase	558,901
S60 TI ("elementary school*" or "grade school*" or gradeschool* or "high school*" or highschool* or kindergar* or "nursery school*" or "primary school*" or "secondary school*") or AB ("elementary school*" or "grade school*" or gradeschool* or "high school*" or highschool* or kindergar* or "nursery school*" or "primary school*" or "secondary school*")	Search modes - Boolean/Phrase	40,984
S61 TI p#ediatric* or AB p#ediatric*	Search modes - Boolean/Phrase	157,980

S62	S50 OR S51 OR S52 OR S53 OR S54 OR S55 OR S56 OR S57 OR S58 OR S59 OR S60 OR S61	Search modes - Boolean/Phrase	1,384,448
S63	(MH "Hospitals, Pediatric")	Search modes - Boolean/Phrase	10,400
S64	(MH "Intensive Care Units, Pediatric")	Search modes - Boolean/Phrase	6,705
S65	TI ((child* or p#ediatric*) N3 ("acute care" or ICU* or "intensive care" or hospital* or "trauma cent*")) or AB ((child* or p#ediatric*) N3 ("acute care" or ICU* or "intensive care" or hospital* or "trauma cent*"))	Search modes - Boolean/Phrase	34,909
S66	TI PICU* or AB PICU*	Search modes - Boolean/Phrase	3,731
S67	S63 OR S64 OR S65 OR S66	Search modes - Boolean/Phrase	42,930
S68	S16 AND S62	Search modes - Boolean/Phrase	616
S69	S36 AND (S62 OR S67)	Search modes - Boolean/Phrase	16
S70	S49 AND S67	Search modes - Boolean/Phrase	298
S71	S68 OR S69 OR S70	Search modes - Boolean/Phrase	911
S72	((MH "Vertebrates+") NOT MH Human)	Search modes - Boolean/Phrase	209,754
S73	TI ((ape or apes or animal* or baboon* or beagle* or cat or cats or chicken or chickens or chimp* or dog or dogs or feline* or fish or hamster or hamsters or horse or horses or lamb* or lapin* or macaque* or mouse or mice or nonhuman* or "non human*" or pig or piglet* or pigs or porcine or rabbit or rabbit or raccoon	Search modes - Boolean/Phrase	109,385

or raccoons or racehorse or racehorses or rat or rats or rodent* or swine* or sheep or zebrafish*) not (adults or children or human or humans or infants or patient or patients or people or seniors))

S74 S72 OR S73	Search modes - Boolean/Phrase	242,356
S75 S71 NOT S74	Search modes - Boolean/Phrase	869
S76 S71 NOT S74	Limiters - Language: English, French Search modes - Boolean/Phrase	832

Database: Web of Science Core Collection: Science Citation Index Expanded (SCI-EXPANDED) --1900-present; Social Sciences Citation Index (SSCI) --1900-present; Conference Proceedings Citation Index - Science (CPCI-S) --1990-present; Conference Proceedings Citation Index - Social Sciences & Humanities (CPCI-SSH) --1990-present

Date search conducted: March 29, 2022

Strategy:

1. TI=((death or dying or "end of life") and (process* or sign* or stage*)) | Exact search 12,948
2. TS=(asystol* or ((arrest* or dead or death or deaths or "flat lin*" or flatlin*) NEAR/2 (cardi* or circulat* or heart)) or ((cessation or failure) NEAR/5 ("cardiac rhythm*" or circulat* or "heart function*")) or ((cessation or terminat*) NEAR/3 "cardi* resuscitation")) | Exact search 126,096
3. TS=(((death or dying or "end of life") NEAR/3 (patholog* or pathophysiolog* or physiolog* or physiopatholog* or process* or sign* or stage*)) or haemodynamic* or "haemo dynamic*" or hemodynamic or "hemo dynamic" or "vital sign*") | Exact search 217,897
4. #1 or (#2 and #3) | Exact search 20,316
5. TS=(((ceas* or cessation* or stop* or withdraw* or withhold*) NEAR/2 (care or "cardiorespiratory support*" or "life support*" or "life sustain*" or "life prolong*" or resuscitat* or treat* or therap*)) or ((negative or passive) NEAR/1 euthanasia*) or ((DNR or resuscitat*) NEAR/3 (deci* or order* or polic*))) | Exact search 38,361
6. TS=(delay* or day or days or "how long" or hour or hours or hr or hrs or min or mins or minute or minutes or ((observ* or wait*) NEAR/3 period*) or seconds or time or timed or times or timing or timings) | Exact search 12,924,160
7. TS=(((confirm* or criteri* or declar* or determin* or diagnos* or exam* or pronounc* or

predict*) NEAR/3 (dead or death or deaths or die or died or dies or dying))) | Exact search 60,467

8. #5 and #6 and #7 | Exact search 279

9. TS=((attitude* or bereave* or communicat* or comfort* or experienc* or frustrat* or grief or griev* or role*) NEAR/5 ("care giver*" or caregiver* or carer* or famil* or father* or mother* or parent* or relatives))) | Exact search 155,162

10. #9 and (#1 OR #5 OR #7) | Exact search 993

11. TS=(adolescen* or babies* or baby* or boy* or child* or "elementary school*" or girl* or "grade school*" or gradeshool* or "high school*" or highschool* or infan* or kid or kids or kindergar* or minors or "neo nat*" or neonat* or newborn* or "nursery school*" or "primary school*" or "post matur*" or postmatur* or "post nat*" or postnat* or paediatric* or pediatric* or preschool* or "school age*" or schoolchild* or "secondary school*" or teen* or toddler*) | Exact search 3,559,807

12. TS((((child* or paediatric* or pediatric*) NEAR/3 ("acute care" or ICU* or "intensive care" or hospital* or "trauma cent*")) or PICU*) | Exact search 73,464

13. #4 AND #11 | Exact search 1196

14. #8 AND (#11 OR #12) | Exact search 68

15. #10 AND #12 | Exact search 49

16. #13 OR #14 OR #15 | Exact search 1301

17. TI=((ape or apes or animal* or baboon* or beagle* or canine* or cat or cats or cattle or chicken or chickens or chimp* or dog or dogs or feline* or fish or hamster or hamsters or horse or horses or lamb* or lapin* or macaque* or mouse or mice or nonhuman* or "non human*" or pig or piglet* or pigs or porcine or rabbit or rabbit or raccoon or raccoons or racehorse or racehorses or rat or rats or rodent* or swine* or sheep or zebrafish*) not (adults or children or human or humans or infants or patient or patients or people or seniors)) | Exact search 3137520

18. #16 NOT #17 | Exact search 1182

19. #16 NOT #17 AND (LA=="ENGLISH" OR "FRENCH")) | Exact search 1139

Database: ProQuest Dissertations & Theses Global

Date search conducted: March 30, 2022

Strategy:

Search #1 (Q1)

Anywhere except full text (nof): (adolescen* or babies* or baby* or boy* or child* or "elementary school*" or girl* or "grade school*" or gradeshool* or "high school*" or highschool* or infan* or kid or kids or kindergar* or minors or "neo nat*" or neonat* or newborn* or "nursery school*" or "primary school*" or "post matur*" or postmatur* or "post

nat*" or postnat* or paediatric* or pediatric* or preschool* or "school age*" or schoolchild* or "secondary school*" or teen* or toddler*)

AND

Title:((death OR dying OR "end of life") AND (process* OR sign OR signs OR stage*))

NOT

Title:((ape OR apes OR animal* OR baboon* OR beagle* OR canine* OR cat OR cats OR cattle OR chicken OR chickens OR chimp* OR dog OR dogs OR feline* OR fish OR hamster OR hamsters OR horse OR horses OR lamb* OR lapin* OR macaque* OR mouse OR mice OR nonhuman* OR "non human*" OR pig OR piglet* OR pigs OR porcine OR rabbit OR rabbit OR raccoon OR raccoons OR racehorse OR racehorses OR rat OR rats OR rodent* OR swine* OR sheep OR zebrafish*) NOT (adults OR children OR human OR humans OR infants OR patient OR patients OR people OR seniors))

Additional limits - English, French (35)

Search #2 (Q1)

Anywhere except full text (noft): (asystol* or ((arrest* or dead or death or deaths or "flat lin*" or flatlin*) NEAR/2 (cardi* or circulat* or heart)) or ((cessation or failure) NEAR/5 ("cardiac rhythm*" or circulat* or "heart function*")) or ((cessation or terminat*) NEAR/3 "cardi* resuscitation"))

AND

Anywhere except full text (noft): (((death or dying or "end of life") NEAR/3 (patholog* or pathophysiol* or physiolog* or physiopatholog* or process* or sign or signs or stage*)) or haemodynamic* or "haemo dynamic*" or hemodynamic or "hemo dynamic" or "vital sign*"))

AND

Anywhere except full text (noft): (adolescen* or babies* or baby* or boy* or child* or "elementary school*" or girl* or "grade school*" or gradeshool* or "high school*" or highschool* or infan* or kid or kids or kindergar* or minors or "neo nat*" or neonat* or newborn* or "nursery school*" or "primary school*" or "post matur*" or postmatur* or "post nat*" or postnat* or paediatric* or pediatric* or preschool* or "school age*" or schoolchild* or "secondary school*" or teen* or toddler*)

NOT

Title:((ape OR apes OR animal* OR baboon* OR beagle* OR canine* OR cat OR cats OR cattle OR chicken OR chickens OR chimp* OR dog OR dogs OR feline* OR fish OR hamster OR hamsters OR horse OR horses OR lamb* OR lapin* OR macaque* OR mouse OR mice OR nonhuman* OR "non human*" OR pig OR piglet* OR pigs OR porcine OR rabbit OR rabbit OR raccoon OR raccoons OR racehorse OR racehorses OR rat OR rats OR rodent* OR swine* OR sheep OR zebrafish*) NOT (adults OR children OR human OR humans OR infants OR patient OR patients OR people OR seniors))

Additional limits - English, French (14)

Search #3 (Q2-4)

Anywhere except full text (noft): (((ceas* or cessation* or stop* or withdraw* or withhold*) NEAR/2 (care or "cardiorespiratory support*" or "life support*" or "life sustain*" or "life prolong*" or resuscitat* or treat* or therap*)) or ((negative or passive) NEAR/1 euthanasia*) or ((DNR or resuscitat*) NEAR/3 (deci* or order* or polic*)))

AND

Anywhere except full text (noft): ((confirm* or criteri* or declar* or determin* or diagnos* or exam* or pronounc* or predict*) AND (dead or death or deaths or die or died or dies or dying))

AND

Anywhere except full text (noft): (adolescen* or babies* or baby* or boy* or child* or "elementary school*" or girl* or "grade school*" or gradeshool* or "high school*" or highschool* or infan* or kid or kids or kindergar* or minors or "neo nat*" or neonat* or newborn* or "nursery school*" or "primary school*" or "post matur*" or postmatur* or "post nat*" or postnat* or paediatric* or pediatric* or preschool* or "school age*" or schoolchild* or "secondary school*" or teen* or toddler*)

NOT

Title:((ape OR apes OR animal* OR baboon* OR beagle* OR canine* OR cat OR cats OR cattle OR chicken OR chickens OR chimp* OR dog OR dogs OR feline* OR fish OR hamster OR hamsters OR horse OR horses OR lamb* OR lapin* OR macaque* OR mouse OR mice OR nonhuman* OR "non human*" OR pig OR piglet* OR pigs OR porcine OR rabbit OR rabbit OR raccoon OR raccoons OR racehorse OR racehorses OR rat OR rats OR rodent* OR swine* OR sheep OR zebrafish*) NOT (adults OR children OR human OR humans OR infants OR patient OR patients OR people OR seniors))

Additional limits - English, French (31)

Search #4 (Q5)

Anywhere except full text (noft): ((attitude* or bereave* or communicat* or comfort* or experienc* or frustrat* or grief or griev* or role*) AND ("care giver*" or caregiver* or carer* or famil* or father* or mother* or parent* or relatives))

AND

Anywhere except full text (noft): (((ceas* or cessation* or stop* or withdraw* or withhold*) NEAR/2 (care or "cardiorespiratory support*" or "life support*" or "life sustain*" or "life prolong*" or resuscitat* or treat* or therap*)) or ((negative or passive) NEAR/1 euthanasia*) or ((DNR or resuscitat*) NEAR/3 (deci* or order* or polic*)))

AND

Anywhere except full text (noft): (((child* or paediatric* or pediatric*) AND ("acute care" or ICU* or "intensive care" or hospital* or "trauma cent*")) or PICU*)

NOT

Title:((ape OR apes OR animal* OR baboon* OR beagle* OR canine* OR cat OR cats OR cattle OR chicken OR chickens OR chimp* OR dog OR dogs OR feline* OR fish OR hamster OR hamsters OR horse OR horses OR lamb* OR lapin* OR macaque* OR mouse OR mice OR nonhuman* OR "non human*" OR pig OR piglet* OR pigs OR porcine OR rabbit OR rabbit OR raccoon OR raccoons OR racehorse OR racehorses OR rat OR rats OR rodent* OR swine* OR sheep OR zebrafish*) NOT (adults OR children OR human OR humans OR infants OR patient OR patients OR people OR seniors))

Additional limits - English, French (13)

Search #5 (Q5)

Anywhere except full text (noft): ((attitude* or bereave* or communicat* or comfort* or experienc* or frustrat* or grief or griev* or role*) NEAR/5 ("care giver*" or caregiver* or carer* or famil* or father* or mother* or parent* or relatives))

AND

Anywhere except full text (noft): ((confirm* or criteri* or declar* or determin* or diagnos* or exam* or pronounc* or predict*) AND (dead or death or deaths or die or died or dies or dying))

AND

Anywhere except full text (noft): (((child* or paediatric* or pediatric*) AND ("acute care" or ICU* or "intensive care" or hospital* or "trauma cent*")) or PICU*)

NOT

Title:((ape OR apes OR animal* OR baboon* OR beagle* OR canine* OR cat OR cats OR cattle OR chicken OR chickens OR chimp* OR dog OR dogs OR feline* OR fish OR hamster OR hamsters OR horse OR horses OR lamb* OR lapin* OR macaque* OR mouse OR mice OR nonhuman* OR "non human*" OR pig OR piglet* OR pigs OR porcine OR rabbit OR rabbit OR raccoon OR raccoons OR racehorse OR racehorses OR rat OR rats OR rodent* OR swine* OR sheep OR zebrafish*) NOT (adults OR children OR human OR humans OR infants OR patient OR patients OR people OR seniors))

Additional limits - English, French (81)

Unique results (all searches): 165

Source: Google Scholar

Date search conducted: March 30-31, 2022

Strategy:**Search #1 (Q1)**

("cardiac arrest" | death | dying | "end of life") (hemodynamics | pathophysiology | physiology | physiopathology | process | sign | stage | "vital signs") (adolescent or child or infant or pediatric)

Searched the first 10 pages of results (n=200 records), Kept 30

Search #2 (Q2-4)

(withdrawal of life support | withdrawal of life sustaining measures) (minute | hours | "how long" | seconds | time | "waiting period") (confirm | declare | determine | pronounce | predict) (death) (adolescent or child or infant or pediatric)

Searched the first 5 pages of results (n=100 records), Kept 38

Search #3 (Q5)

(experience | communication | grief | role) (family | parents) (death | withdrawal of life support | withdrawal of life sustaining measures) (pediatric critical care | pediatric intensive care unit | PICU)

Searched the first 5 pages of results (n=100 records), Kept 39