

### Supplemental Table 1: Search Strategy per Database

Pubmed (n = 1187)

	Searches	Results
1	("child"[MeSH Terms] OR "infant, newborn"[MeSH Terms] OR "pediatrics"[MeSH Terms] OR p?ediatr* OR child* OR infant* OR neonat* OR "neo-nat*")	3462515
2	("Extracorporeal membrane oxygenation" [MeSH Terms] OR ecmo OR ecpr OR eclc OR "e-cmo" OR "e-cpr" OR "e-clc" OR (extracorp* OR "extra corp*" OR "extra-corp*") AND (oxygenat* OR "membran* oxygenat*" OR "life support" OR resuscitation OR cpr OR "cardiopulmonary resuscitation" OR membran* OR "Life-support" OR circulat*))	37936
3	("heart arrest"[MeSH Terms] OR "resuscitation"[MeSH Terms] OR "cardiopulmonary resuscitation"[MeSH Terms] OR "death, sudden, cardiac"[MeSH Terms]) OR (cardia* OR heart OR circulat* OR cardiopulmonary* OR "cardio-pulm*") AND (arrest* OR death* OR standstill* OR attack* OR resuscit*) OR CPR OR Resuscitation)	376587
4	"Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh])	4873253
5	#1 AND #2 AND #3	2295
6	#5 NOT #4	2259
7	#6 Filters: from 2010 - 2021	1187

Scopus (n = 6711)

#	Searches	Results
1	(p?ediatr* OR child* OR infant* OR neonat* OR "neo-nat*")	8649913
2	(( ecmo OR ecpr OR eclc OR "e-cmo" OR "e-cpr" OR "e-clc" ) OR ( ( extracorp* OR "extra corp*" OR "extra-corp*" ) PRE/3 ( oxygenat* OR "membran* oxygenat*" OR "life support" OR resuscitation OR cpr OR "cardiopulmonary resuscitation" OR membran* OR "life-Support" OR circulat*)))	93086
3	( "sudden cardiac arrest" OR "cardiopulmonary arrest" OR "cardiopulmonary resuscitation" OR cpr OR resuscitation OR ( ( heart OR cardiopulmonary* OR cardiac OR circulat* ) PRE/3 ( arrest* OR death* OR standstill* OR attack* ) ) )	574060
4	#1 AND #2 AND #3	9628
5	#4 AND PUBYEAR > 2009	6711

Embase (n =4,123)

#	Searches	Results
---	----------	---------

1	('child'/exp OR 'pediatric'/exp OR 'newborn'/exp OR 'infant'/exp OR p?ediatr* OR child* OR infant* OR neonat* OR 'neo nat*')	4443412
2	('extracorporeal therapy'/exp OR 'extracorporeal oxygenation'/exp OR 'extracorporeal membrane oxygenation device'/exp OR 'extracorporeal cardiopulmonary resuscitation'/exp OR ecmo OR ecpr OR ecls OR 'e cmo' OR 'e cpr' OR 'e cls' OR ((extracorp* OR 'extra corp*' OR 'extra corp*') NEAR/3 (oxygenat* OR 'membran* oxygenat*' OR 'life support' OR resuscitation OR cpr OR membran* OR 'life support' OR circulat*)))	382402
3	('sudden cardiac death'/exp OR 'cardiopulmonary arrest'/exp OR 'resuscitation'/exp OR 'heart arrest'/exp OR 'cardiogenic shock'/exp OR 'sudden cardiac arrest' OR 'cardiopulmonary arrest' OR 'cardiopulmonary resuscitation' OR cpr OR resuscitation OR ((heart OR cardiopulmonary* OR cardiac OR circulat* OR 'cardio pulm*') NEAR/3 (arrest* OR death* OR standstill* OR attack* OR resuscit*)))	356632
4	('animal'/exp NOT 'human'/exp)	5582792
5	# 1 AND #2 AND #3 NOT #4	5551
6	#5 AND (2010:py OR 2011:py OR 2012:py OR 2013:py OR 2014:py OR 2015:py OR 2016:py OR 2017:py OR 2018:py OR 2019:py OR 2020:py OR 2021:py)	4123

Cochrane (n=51)

#	Searches	Results
1	MeSH descriptor: [Infant] explode all trees	32413
2	MeSH descriptor: [Child] explode all trees	56688
3	MeSH descriptor: [Infant, Newborn] explode all trees	16143
4	(child):ti,ab,kw (Word variations have been searched)	149608
5	(pediatric):ti,ab,kw (Word variations have been searched)	34514
6	(neonate):ti,ab,kw (Word variations have been searched)	22356
7	(infant):ti,ab,kw (Word variations have been searched)	61102
8	#1 or #2 or #3 or #4 or #5 or #6 or #7	194770
9	MeSH descriptor: [Extracorporeal Membrane Oxygenation] explode all trees	179
10	(extracorporeal cardiopulmonary resuscitation):ti,ab,kw (Word variations have been searched)	48
11	(extracorporeal membrane oxygenation) :ti,ab,kw (Word variations have been searched)	710
12	(extracorporeal life support) :ti,ab,kw (Word variations have been searched)	132
13	(ecpr) :ti,ab,kw (Word variations have been searched)	21
14	(ecmo) :ti,ab,kw (Word variations have been searched)	621
15	(ecls) :ti,ab,kw (Word variations have been searched)	172
16	#9 or #10 or #11 or #12 or #13 or #14 or #15	1196

17	MeSH descriptor: [Cardiopulmonary Resuscitation] explode all trees	1095
18	MeSH descriptor: [Resuscitation] explode all trees	5073
19	MeSH descriptor: [Heart Arrest] explode all trees	1964
20	MeSH descriptor: [Death, Sudden, Cardiac] explode all trees	631
21	(heart arrest) :ti,ab,kw (Word variations have been searched)	4292
22	(cardiac arrest) :ti,ab,kw (Word variations have been searched)	4456
23	(cardiopulmonary resuscitation) :ti,ab,kw (Word variations have been searched)	2376
24	(sudden cardiac death) :ti,ab,kw (Word variations have been searched)	2138
25	(resuscitation) :ti,ab,kw (Word variations have been searched)	8115
26	(cardiopulmonary arrest) :ti,ab,kw (Word variations have been searched)	2034
27	#17 or #18 or #19 or #20 or #21 or #22 or #23 or #24 or #25	16406
28	#8 and #16 and #27 (with Cochrane Library publication date from Jan 2010 to Jan 2021)	51