

## Online Supplemental File 2: Electronic search strategy

Databases searched: Medline, Embase, PsycINFO

Original searches executed on April 4, 2018

Search update executed on February 20, 2020

Database(s): Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily, Ovid MEDLINE and Versions(R) 1946 to March 28 2018

Search Strategy:

#	Searches	Results
1	(suicid* or parasuicid* or automutilat* or auto mutilat*).ti,kf.	39961
2	(self adj3 (harm* or mutilat* or injur* or wound* or poison* or violen* or kill*)).ti,kf.	6522
3	((deliberat* or intention* or voluntar*) adj2 (overdose* or drug death* or drug related death* or poison*)).ti,kf.	490
4	(suicid* or parasuicid* or automutilat* or auto mutilat* or (self adj3 (harm* or mutilat* or injur* or wound* or poison* or violen* or kill*)) or ((deliberat* or intention* or voluntar*) adj2 (overdose* or drug death* or drug related death* or poison*))).ab. /freq=2	34195
5	*suicide/ or *suicide, attempted/ or *self-injurious behavior/ or *self mutilation/	39951
6	1 or 2 or 3 or 4 or 5	59345
7	(interven* or strateg* or prevent* or policy or policies or restrict* or program* or guideline* or firearm* or gun or guns or law or laws or legislation*).ti,kf.	926694
8	(interven* or strateg* or prevent* or policy or policies or restrict* or program* or guideline*).ab. /freq=2	1239484
9	*public policy/ or *health policy/ or *firearms/ or *guidelines as topic/	60438
10	7 or 8 or 9	1834064
11	6 and 10	10220
12	*suicide/pc or *suicide, attempted/pc or *self-injurious behavior/pc or *self mutilation/pc	5311
13	11 or 12	12695
14	(australia* or new south wales or queensland or tasmania or victoria or sydney or melbourne or brisbane or austria* or vienna or viennese* or belgium* or belgian* or brussels or flemish* or canad* or ottawa* or british columbia* or colombie britannique* or vancouver* or alberta* or edmonton* or calgar* or saskatchewan* or regina* or saskatoon* or manitoba* or winnipeg* or ontari* or toronto* or quebec* or montreal* or new brunswick* or nouveau brunswick* or fredericton* or nova scotia* or nouvelle ecosse* or halifax* or haligonian* or prince edward island* or ile du prince edouard* or pei or charlottetown* or newfoundland* or terre neuve* or labrador* or nfld or yukon* or whitehorse* or northwest territor* or territoires du nord ouest* or nwt or yellowknife* or nunavut* or iqaluit* or chile* or santiago or czech* or prague or denmark* or danish or dane* or faroe* or copenhagen or estonia* or tallinn or finland* or finnish* or helsinki* or france* or french* or paris* or marseille or lyon or lille or nice or toulouse or bordeaux or german* or deutschland* or berlin* or hamburg or munich or cologne or frankfurt or stuttgart or dusseldorf or greece* or hellenic* or greek* or athens or macedonia* or hungary* or hungarian* or budapest or iceland* or reykjavik or ireland* or irish* or dublin* or israel* or jerusalem or tel aviv or italy or italian* or rome or milan or naples or turin or sicily or japan* or tokyo or yokohama or osaka or nagoya or sapporo or kobe or kyoto or korea* or seoul or busan or daegu or daejeon or gwangju or incheon or ulsan or latvia* or riga or luxembourg* or netherlands* or holland* or dutch* or amsterdam or rotterdam or hague or new zealand* or aotearoa or wellington or auckland or maori or norway* or norwegian* or oslo or poland* or polish or warsaw or krakow or wroclaw or lodz or portugal* or lisbon or slovak* or bratislava or	2367096

	slovenia* or slovene* or ljubljana or spain* or spanish* or spaniard* or madrid or barcelona or catalonia* or valencia* or seville or zaragoza or malaga or basque or scandinavia* or sweden or swedish or swede* or stockholm or switzerland* or swiss* or zurich or geneva or bern or britain* or british* or united kingdom* or scotland* or scottish or wales* or welsh or england* or belfast or london or manchester or glasgow or birmingham or leeds or bradford or liverpool or alabama* or alaska* or arizona* or arkansas* or california* or colorado* or connecticut* or delaware* or florida* or georgia* or hawaii* or idaho* or illinois* or indiana* or iowa* or kansas* or kentucky* or louisiana* or maine* or maryland* or massachusetts* or michigan* or minnesota* or mississippi* or missouri* or montana* or nebraska* or nevada* or new hampshire* or new jersey* or new mexico* or new york* or north carolina* or north dakota* or ohio* or oklahoma* or oregon* or pennsylvania* or rhode island* or south carolina* or south dakota* or tennessee* or texas* or utah* or vermont* or virginia* or washington* or west virginia* or wisconsin* or wyoming* or montgomery* or juneau* or anchorage* or phoenix* or little rock* or sacramento* or los angeles* or san diego* or san francisco* or denver* or hartford* or dover* or tallahassee* or miami* or orlando* or atlanta* or honolulu* or boise* or springfield* or chicago* or des moines* or topeka* or frankfort* or baton rouge* or new orleans* or augusta* or annapolis* or boston* or lansing* or detroit* or st?paul* or jackson* or jefferson city* or helena* or lincoln* or carson city* or reno* or las vegas* or concord* or trenton* or santa fe* or albania* or raleigh* or bismarck* or columbus* or oklahoma city* or salem* or harrisburg* or providence* or columbia* or peirre* or nashville* or austin* or dallas* or salt lake city* or montpelier* or richmond* or olympia* or seattle* or charleston* or madison* or cheyenne* or district of columbia* or usa or united states).tw,kf.	
15	exp australia/ or austria/ or exp belgium/ or exp canada/ or chile/ or czech republic/ or exp "scandinavian and nordic countries"/ or estonia/ or exp france/ or exp germany/ or greece/ or hungary/ or exp ireland/ or israel/ or exp italy/ or exp japan/ or exp republic of korea/ or latvia/ or luxembourg/ or exp netherlands/ or exp new zealand/ or poland/ or exp portugal/ or slovakia/ or slovenia/ or exp spain/ or exp switzerland/ or exp united kingdom/ or exp united states/	2733812
16	14 or 15	3968914
17	13 and 16	5938
18	limit 17 to yr="1990 - 2017"	5289
19	limit 18 to (english or french)	4918
20	*suicide, assisted/ or exp *euthanasia/	12767
21	(euthan* or assisted suicide* or assisted death* or assisted dying* or "physician* aid in dying" or "assistance in death" or "assistance in dying").ti,kf.	17066
22	(euthan* or assisted suicide* or assisted death* or assisted dying* or "physician* aid in dying" or "assistance in death" or "assistance in dying").ab. /freq=2	4241
23	20 or 21 or 22	22736
24	19 not 23	4626

Database(s): **Embase** 1974 to 2018 April 03

Search Strategy:

#	Searches	Results
1	(suicid* or parasuicid* or automutilat* or auto mutilat*).ti,kw.	48776
2	(self adj3 (harm* or mutilat* or injur* or wound* or poison* or violen* or kill*)).ti,kw.	8020
3	((deliberat* or intention* or voluntar*) adj2 (overdose* or drug death* or drug related death* or poison*)).ti,kw.	583
4	(suicid* or parasuicid* or automutilat* or auto mutilat* or (self adj3 (harm* or mutilat* or injur* or wound* or poison* or violen* or kill*)) or ((deliberat* or intention* or voluntar*) adj2 (overdose* or drug death* or drug related death* or poison*))).ab. /freq=2	43312

5	*suicide/ or *suicide attempt/ or *self poisoning/ or *automutilation/	44467
6	1 or 2 or 3 or 4 or 5	73237
7	(interven* or strateg* or prevent* or policy or policies or restrict* or program* or guideline* or firearm* or gun or guns or law or laws or legislation*).ti,kw.	1164585
8	(interven* or strateg* or prevent* or policy or policies or restrict* or program* or guideline*).ab. /freq=2	1658604
9	*public policy/ or *health care policy/ or *firearm/ or *practice guideline/	122244
10	7 or 8 or 9	2391603
11	6 and 10	12634
12	*suicide/pc or *suicide attempt/pc or *self poisoning/pc or *automutilation/pc	5457
13	11 or 12	15365
14	(australia* or new south wales or queensland or tasmania or victoria or sydney or melbourne or brisbane or austria* or vienna or viennese* or belgium* or belgian* or brussels or flemish* or canad* or ottawa* or british columbia* or colombie britannique* or vancouver* or alberta* or edmonton* or calgar* or saskatchewan* or regina* or saskatoon* or manitoba* or winnipeg* or ontari* or toronto* or quebec* or montreal* or new brunswick* or nouveau brunswick* or fredericton* or nova scotia* or nouvelle ecosse* or halifax* or haligonian* or prince edward island* or ile du prince edouard* or pei or charlottetown* or newfoundland* or terre neuve* or labrador* or nfld or yukon* or whitehorse* or northwest territor* or territoires du nord ouest* or nwt or yellowknife* or nunavut* or iqaluit* or chile* or santiago or czech* or prague or denmark* or danish or dane* or faroe* or copenhagen or estonia* or tallinn or finland* or finnish* or helsinki* or france* or french* or paris* or marseille or lyon or lille or nice or toulouse or bordeaux or german* or deutschland* or berlin* or hamburg or munich or cologne or frankfurt or stuttgart or dusseldorf or greece* or hellenic* or greek* or athens or macedonia* or hungary* or hungarian* or budapest or iceland* or reykjavik or ireland* or irish* or dublin* or israel* or jerusalem or tel aviv or italy or italian* or rome or milan or naples or turin or sicily or japan* or tokyo or yokohama or osaka or nagoya or sapporo or kobe or kyoto or korea* or seoul or busan or daegu or daejeon or gwangju or incheon or ulsan or latvia* or riga or luxembourg* or netherland* or holland* or dutch* or amsterdam or rotterdam or hague or new zealand* or aotearoa or wellington or auckland or maori or norway* or norwegian* or oslo or poland* or polish or warsaw or krakow or wroclaw or lodz or portug* or lisbon or slovak* or bratislava or slovenia* or slovene* or ljubljana or spain* or spanish* or spaniard* or madrid or barcelona or catalonia* or valencia* or seville or zaragoza or malaga or basque or scandinavia* or sweden or swedish or swede* or stockholm or switzerland* or swiss* or zurich or geneva or bern or britain* or british* or united kingdom* or scotland* or scottish or wales* or welsh or england* or belfast or london or manchester or glasgow or birmingham or leeds or bradford or liverpool or alabama* or alaska* or arizona* or arkansas* or california* or colorado* or connecticut* or delaware* or florida* or georgia* or hawaii* or idaho* or illinois* or indiana* or iowa* or kansas* or kentucky* or louisiana* or maine* or maryland* or massachusetts* or michigan* or minnesota* or mississippi* or missouri* or montana* or nebraska* or nevada* or new hampshire* or new jersey* or new mexico* or new york* or north carolina* or north dakota* or ohio* or oklahoma* or oregon* or pennsylvania* or rhode island* or south carolina* or south dakota* or tennessee* or texas* or utah* or vermont* or virginia* or washington* or west virginia* or wisconsin* or wyoming* or montgomery* or juneau* or anchorage* or phoenix* or little rock* or sacramento* or los angeles* or san diego* or san francisco* or denver* or hartford* or dover* or tallahassee* or miami* or orlando* or atlanta* or honolulu* or boise* or springfield* or chicago* or des moines* or topeka* or frankfort* or baton rouge* or new orleans* or augusta* or annapolis* or boston* or lansing* or detroit* or st?paul* or jackson* or jefferson city* or helena* or lincoln* or carson city* or reno* or las vegas* or concord* or trenton* or santa fe* or alban* or raleigh* or bismarck* or columbus* or oklahoma city* or salem* or harrisburg* or providence* or columbia* or peirre* or nashville* or austin* or dallas* or salt lake city* or montpelier* or richmond* or	3753659

	olympia* or seattle* or charleston* or madison* or cheyenne* or district of columbia* or usa or united states).tw,kw.	
15	exp "australia and new zealand"/ or australian/ or indigenous australian/ or austria/ or austrian/ or exp belgium/ or belgian/ or exp canada/ or canadian/ or canadian aboriginal/ or chile/ or chilean/ or czech republic/ or "czech (citizen)"/ or exp scandinavia/ or danish citizen/ or estonia/ or "estonian (citizen)"/ or "finn (citizen)"/ or exp france/ or frenchman/ or exp germany/ or "german (citizen)"/ or greece/ or "greek (citizen)"/ or hungary/ or "hungarian (citizen)"/ or icelander/ or ireland/ or "irish (citizen)"/ or israel/ or israeli/ or exp italy/ or "italian (citizen)"/ or japan/ or "japanese (citizen)"/ or south korea/ or south korean/ or latvia/ or "latvian (citizen)"/ or luxembourg/ or netherlands/ or dutchman/ or new zealander/ or "norwegian (citizen)"/ or poland/ or polish citizen/ or exp portugal/ or "portuguese (citizen)"/ or slovakia/ or "slovak (citizen)"/ or slovenia/ or "slovenian (citizen)"/ or exp spain/ or spaniard/ or swedish citizen/ or switzerland/ or swiss/ or exp united kingdom/ or exp british citizen/ or exp united states/ or american/ or american indian/ or alaska native/	3068116
16	14 or 15	5313046
17	13 and 16	6792
18	limit 17 to yr="1990 - 2017"	6119
19	limit 18 to (english or french)	5639
20	*assisted suicide/ or exp *euthanasia/	13014
21	(euthan* or assisted suicide* or assisted death* or assisted dying* or "physician* aid in dying" or "assistance in death" or "assistance in dying").ti,kw.	7777
22	(euthan* or assisted suicide* or assisted death* or assisted dying* or "physician* aid in dying" or "assistance in death" or "assistance in dying").ab. /freq=2	5322
23	20 or 21 or 22	17256
24	19 not 23	5364

Database(s): PsycINFO 1806 to March Week 4 2018

Search Strategy:

#	Searches	Results
1	(suicid* or parasuicid* or automutilat* or auto mutilat*).ti,id.	38089
2	(self adj3 (harm* or mutilat* or injur* or wound* or poison* or violen* or kill*)).ti,id.	7301
3	((deliberat* or intention* or voluntar*) adj2 (overdose* or drug death* or drug related death* or poison*)).ti,id.	147
4	(suicid* or parasuicid* or automutilat* or auto mutilat* or (self adj3 (harm* or mutilat* or injur* or wound* or poison* or violen* or kill*)) or ((deliberat* or intention* or voluntar*) adj2 (overdose* or drug death* or drug related death* or poison*))).ab. /freq=2	38749
5	*suicide/ or *attempted suicide/ or exp *self-injurious behavior/	30790
6	1 or 2 or 3 or 4 or 5	48436
7	(interven* or strateg* or prevent* or policy or policies or restrict* or program* or guideline* or firearm* or gun or guns or law or laws or legislation*).ti,id.	437743
8	(interven* or strateg* or prevent* or policy or policies or restrict* or program* or guideline*).ab. /freq=2	504766
9	*intervention/ or *government policy making/ or *health care policy/ or *mental health programs/ or *firearms/ or *gun control laws/	62634
10	7 or 8 or 9	685642
11	6 and 10	11397
12	*suicide prevention/	3412

13	11 or 12	11732
14	(australia* or new south wales or queensland or tasmania or victoria or sydney or melbourne or brisbane or austria* or vienna or viennese* or belgium* or belgian* or brussels or flemish* or canad* or ottawa* or british columbia* or colombie britannique* or vancouver* or alberta* or edmonton* or calgar* or saskatchewan* or regina* or saskatoon* or manitoba* or winnipeg* or ontari* or toronto* or quebec* or montreal* or new brunswick* or nouveau brunswick* or fredericton* or nova scotia* or nouvelle ecosse* or halifax* or haligonian* or prince edward island* or ile du prince edouard* or pei or charlottetown* or newfoundland* or terre neuve* or labrador* or nfld or yukon* or whitehorse* or northwest territor* or territoires du nord ouest* or nwt or yellowknife* or nunavut* or iqaluit* or chile* or santiago or czech* or prague or denmark* or danish or dane* or faroe* or copenhagen or estonia* or tallinn or finland* or finnish* or helsinki* or france* or french* or paris* or marseille or lyon or lille or nice or toulouse or bordeaux or german* or deutschland* or berlin* or hamburg or munich or cologne or frankfurt or stuttgart or dusseldorf or greece* or hellenic* or greek* or athens or macedonia* or hungary* or hungarian* or budapest or iceland* or reykjavik or ireland* or irish* or dublin* or israel* or jerusalem or tel aviv or italy or italian* or rome or milan or naples or turin or sicily or japan* or tokyo or yokohama or osaka or nagoya or sapporo or kobe or kyoto or korea* or seoul or busan or daegu or daejeon or gwangju or incheon or ulsan or latvia* or riga or luxembourg* or netherlands* or holland* or dutch* or amsterdam or rotterdam or hague or new zealand* or aotearoa or wellington or auckland or maori or norway* or norwegian* or oslo or poland* or polish or warsaw or krakow or wroclaw or lodz or portug* or lisbon or slovak* or bratislava or slovenia* or slovene* or ljubljana or spain* or spanish* or spainard* or madrid or barcelona or catalonia* or valencia* or seville or zaragoza or malaga or basque or scandinavia* or sweden or swedish or swede* or stockholm or switzerland* or swiss* or zurich or geneva or bern or britain* or british* or united kingdom* or scotland* or scottish or wales* or welsh or england* or belfast or london or manchester or glasgow or birmingham or leeds or bradford or liverpool or alabama* or alaska* or arizona* or arkansas* or california* or colorado* or connecticut* or delaware* or florida* or georgia* or hawaii* or idaho* or illinois* or indiana* or iowa* or kansas* or kentucky* or louisiana* or maine* or maryland* or massachusetts* or michigan* or minnesota* or mississippi* or missouri* or montana* or nebraska* or nevada* or new hampshire* or new jersey* or new mexico* or new york* or north carolina* or north dakota* or ohio* or oklahoma* or oregon* or pennsylvania* or rhode island* or south carolina* or south dakota* or tennessee* or texas* or utah* or vermont* or virginia* or washington* or west virginia* or wisconsin* or wyoming* or montgomery* or juneau* or anchorage* or phoenix* or little rock* or sacramento* or los angeles* or san diego* or san francisco* or denver* or hartford* or dover* or tallahassee* or miami* or orlando* or atlanta* or honolulu* or boise* or springfield* or chicago* or des moines* or topeka* or frankfort* or baton rouge* or new orleans* or augusta* or annapolis* or boston* or lansing* or detroit* or st?paul* or jackson* or jefferson city* or helena* or lincoln* or carson city* or reno* or las vegas* or concord* or trenton* or santa fe* or albany* or raleigh* or bismarck* or columbus* or oklahoma city* or salem* or harrisburg* or providence* or columbia* or peirre* or nashville* or austin* or dallas* or salt lake city* or montpelier* or richmond* or olympia* or seattle* or charleston* or madison* or cheyenne* or district of columbia* or usa or united states).ti,ab,id.	783820
15	13 and 14	3527
16	limit 15 to yr="1990 - 2017"	3225
17	limit 16 to (english or french)	3056