

1 Appendix A: Scoping Review Search Strategy

2 COVID Injury Search Report

3 Search Structure



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5 *Wolters Kluwer COVID 19 Search Filter used: <https://tools.ovid.com/coronavirus/>

6 Search Results

Database (Platform)	Date Searched	Number of results
MEDLINE (Ovid)	July 22, 2021	886
Embase (Ovid)	July 22, 2021	1132
Web of Science Core Collection	July 22, 2021	982
SPORTDiscus (EBSCO)	July 22, 2021	41
Total from database searches	---	3041

7

8 Search Strategies

9 MEDLINE

10 Ovid MEDLINE(R) and Epub Ahead of Print, In-Process, In-Data-Review & Other Non-Indexed Citations,
11 Daily and Versions(R) <1946 to July 21, 2021>

12 1 "wounds and injuries"/ or exp abdominal injuries/ or accidental injuries/ or amputation, traumatic/ or
 13 exp arm injuries/ or asphyxia/ or athletic injuries/ or exp back injuries/ or exp barotrauma/ or exp birth injuries/
 14 or exp "bites and stings"/ or exp burns/ or exp cold injury/ or contrecoup injury/ or exp crush injuries/ or exp
 15 joint dislocations/ or exp drowning/ or exp electric injuries/ or esophageal perforation/ or "extravasation of
 16 diagnostic and therapeutic materials"/ or exp foreign bodies/ or exp fractures, bone/ or fractures, cartilage/ or
 17 exp frostbite/ or exp hand injuries/ or exp heat stress disorders/ or exp hip injuries/ or lacerations/ or exp leg
 18 injuries/ or microtrauma, physical/ or exp multiple trauma/ or nasal septal perforation/ or exp neck injuries/ or
 19 occupational injuries/ or exp radiation injuries/ or reinjuries/ or retropneumoperitoneum/ or exp rupture/ or exp
 20 shock, traumatic/ or exp shoulder injuries/ or exp soft tissue injuries/ or exp spinal cord injuries/ or exp
 21 "sprains and strains"/ or exp tendon injuries/ or exp thoracic injuries/ or exp tooth injuries/ or exp trauma,
 22 nervous system/ or tympanic membrane perforation/ or vascular system injuries/ or exp wounds,
 23 nonpenetrating/ or exp wounds, penetrating/ 936409

24 2 accidents/ or exp accident prevention/ or accidental falls/ or accidents, aviation/ or exp biohazard
 25 release/ or exp chemical hazard release/ or accidents, home/ or accidents, occupational/ or accidents, traffic/ or
 26 exp radioactive hazard release/ 195098

27 3 (injur* or accident* or burn? or fire? or fall? or poison* or drown* or fracture? or trauma or collision?
 28 or crashes or suffocat*).tw,kf. 1655590

1 4 or/1-3 2147136
2 5 incidence/ or prevalence/ or Epidemiology/ 577470
3 6 (incidence or prevelan* or epidemiolog* or trend? or pattern? or occurrence or change?).tw,kf.
4 5760350
5 7 (increase? or decrease? or reduc* or effect?).tw,kf. 11136589
6 8 or/5-7 13868560
7 9 4 and 8 1103617
8 10 Quarantine/ 4965
9 11 (lockdown? or restriction? or quarantine? or shelter or social distancing or physical distancing or
10 confinement).tw,kf. 253149
11 12 (stay* adj2 home).tw,kw.2674
12 13 or/10-12 256900
13 14 4 and 8 and 13 9714
14 15 limit 14 to covid 19 916
15 16 limit 15 to english language 886

16 **Embase**

17 Embase <1974 to 2021 July 21>

18

19 1 injury/ or exp abdominal injury/ or exp abrasion/ or accidental injury/ or automutilation/ or exp
20 avulsion injury/ or exp barotrauma/ or exp birth injury/ or exp "bites and stings"/ or exp blood vessel injury/ or
21 exp blunt trauma/ or breast injury/ or exp burn/ or exp chemical injury/ or exp childhood injury/ or exp
22 concussion/ or contrecoup injury/ or exp contusion/ or crush trauma/ or exp drowning/ or exp electric injury/ or
23 exp erosion/ or exp foreign body/ or exp "head and neck injury"/ or exp heart injury/ or immune injury/ or
24 immune mediated injury/ or exp injury scale/ or injury severity/ or exp limb injury/ or membrane damage/ or
25 microtrauma/ or multiple trauma/ or exp musculoskeletal injury/ or exp nervous system injury/ or organ injury/
26 or exp pelvis injury/ or exp perforation/ or prenatal injury/ or exp psychotrauma/ or exp radiation injury/ or exp
27 reperfusion injury/ or exp respiratory tract injury/ or exp rupture/ or seatbelt injury/ or exp skin injury/ or exp
28 soft tissue injury/ or sport injury/ or strangulation/ or surgical injury/ or exp thermal injury/ or exp thorax
29 injury/ or tissue injury/ or exp tooth injury/ or traumatic amputation/ or traumatic hematoma/ or exp traumatic
30 shock/ or trench foot/ or exp urogenital tract injury/ or volutrauma/ or exp wound/ 2306353

31 2 accident/ or aircraft accident/ or exp biological accident/ or exp chemical accident/ or destruction/ or
32 exp disaster/ or electric accident/ or electrocution/ or explosion/ or falling/ or home accident/ or exp nuclear
33 accident/ or exp occupational accident/ or radiation accident/ or structure collapse/ or traffic accident/ 207001

34 3 accident prevention/ 15828

1 4 (injur* or accident* or burn? or fire? or fall? or poison* or drown* or fracture? or trauma or collision?
2 or crashes or suffocat*).tw,kw. 2025852

3 5 or/1-4 3300591

4 6 incidence/ 460767

5 7 prevalence/ or epidemiology/ 992500

6 8 (incidence or prevelan* or epidemiolog* or trend? or pattern? or occurrence or change?).tw,kw.
7 7335228

8 9 (increase? or decrease? or reduc* or effect?).tw,kw. 13915670

9 10 or/6-9 17432385

10 11 5 and 10 1877547

11 12 home quarantine/ 1842

12 13 (lockdown? or restriction? or quarantine? or shelter or social distancing or physical distancing or
13 confinement).tw,kw. 294670

14 14 (stay* adj2 home).tw,kw.3203

15 15 or/12-14 298272

16 16 11 and 15 16475

17 17 limit 16 to covid-19 1153

18 18 limit 17 to english language 1132

19

20 **Web of Science Core Collection**

21 17
22 **#8 AND #15 and English (Languages)**
23 Edit
24 Add to Search
25 [982](#)

26 16
27 **#8 AND #15**
28 Edit
29 Add to Search
30 [1,016](#)

31 15
32 **#9 OR #10 OR #11 OR #12 OR #13 OR #14**
33 Edit
34 Add to Search
35 [164,875](#)

36 14
37 **TS=((covid or covid19 or covid-19) and pandemic*)**

1 Edit
2 Add to Search
3 [72,532](#)
4 13
5 **TS=((nouveau NEAR/2 CoV) or (nouveau NEAR/2 nCoV) or (nouveau NEAR/2 covid) or (nouveau**
6 **NEAR/2 coronavirus*) or (nouveau NEAR/2 corona virus) or (nouveau NEAR/2 Pandemi*))**
7 Edit
8 Add to Search
9 [2](#)
10 12
11 **TS=((new NEAR/2 CoV) or (new NEAR/2 nCoV) or (new NEAR/2 covid) or (new NEAR/2**
12 **coronavirus*) or (new NEAR/2 corona virus) or (new NEAR/2 Pandemi*))**
13 Edit
14 Add to Search
15 [5,381](#)
16 11
17 **TS=((novel NEAR/2 CoV) or (novel NEAR/2 nCoV) or (novel NEAR/2 covid) or (novel NEAR/2**
18 **coronavirus*) or (novel NEAR/2 corona virus) or (novel NEAR/2 Pandemi*))**
19 Edit
20 Add to Search
21 [10,996](#)
22 10
23 **TS=(2019-ncov or ncov19 or ncov-19 or 2019-novel CoV or sars-cov2 or sars-cov-2 or sarscov2 or**
24 **sarscov-2 or Sars-coronavirus2 or Sars-coronavirus-2 or SARS-like coronavirus* or coronavirus-19 or**
25 **covid19 or covid-19 or covid 2019)**
26 Edit
27 Add to Search
28 [153,911](#)
29 9
30 **TS=(coronavirus* or corona virus* or OC43 or NL63 OR 229E or HKU1 or HCoV* or nvoc* or covid***
31 **or sars-cov* or sarscov* or sars-coronavirus* or severe acute respiratory syndrome coronavirus*)**
32 **Limited to date= 2019-01-01 to 2021-12-31**
33 Edit
34 Add to Search
35 [162,859](#)
36 8
37 **#1 AND #4 AND #7**
38 Edit
39 Add to Search
40 [22,231](#)
41 7
42 **#5 OR #6**
43 Edit
44 Add to Search
45 [585,242](#)
46 6
47 **TS=(stay* NEAR/2 home)**
48 Edit
49 Add to Search
50 [4,031](#)
51 5
52 **TS=(lockdown\$ or restriction\$ or quarantine\$ or shelter or social distancing or physical distancing or**
53 **confinement)**

1	Edit	
2	Add to Search	
3		582,147
4	4	
5	#2 OR #3	
6	Edit	
7	Add to Search	
8		25,139,956
9	3	
10	TS=(increase\$ or decrease\$ or reduc* or effect\$)	
11	Edit	
12	Add to Search	
13		20,212,996
14	2	
15	TS=(incidence or prevelan* or epidemiolog* or trend\$ or pattern\$ or occurrence or change\$)	
16	Edit	
17	Add to Search	
18		10,048,332
19	1	
20	TS=(injur* or accident* or burn\$ or fire\$ or fall\$ or poison* or drown* or fracture\$ or trauma or collision\$ or crashes or suffocat*)	
21	Edit	
22	Add to Search	
23		2,982,434
24		
25		

26 SPORTDiscus

#	Query	Limiters/Expanders	Last Run Via
S19	S4 AND S8 AND S11 AND S18	Search modes - Boolean/Phrase	Interface - EBSCOhost Research Database - SPORTDiscus Search Screen - Advanced Search Database - SPORTDiscus
S18	S12 OR S13 OR S14 OR S15 OR S16 OR S17	Search modes - Boolean/Phrase	Interface - EBSCOhost Research Database - SPORTDiscus Search Screen - Advanced Search Database - SPORTDiscus
S17	TI (((covid or covid19 or covid-19) and pandemic*) OR AB (((covid or covid19 or covid-19) and pandemic*) OR KW (((covid or covid19 or covid-19) and pandemic*))	Search modes - Boolean/Phrase	Interface - EBSCOhost Research Database - SPORTDiscus Search Screen - Advanced Search Database - SPORTDiscus
S16	TI (((nouveau N2 CoV) or (nouveau N2 nCoV) or (nouveau N2 covid) or (nouveau N2 coronavirus*) or (nouveau N2 corona virus) or (nouveau N2 Pandemi*))) OR AB (((nouveau N2 CoV) or (nouveau N2 nCoV) or (nouveau N2 covid) or (nouveau N2 coronavirus*) or (nouveau N2 corona virus) or (nouveau N2 Pandemi*))) OR KW (((nouveau N2 CoV) or (nouveau N2	Search modes - Boolean/Phrase	Interface - EBSCOhost Research Database - SPORTDiscus Search Screen - Advanced Search Database - SPORTDiscus

S15	<p>nCoV) or (nouveau N2 covid) or (nouveau N2 coronavirus*) or (nouveau N2 corona virus) or (nouveau N2 Pandemi*)))</p> <p>TI (((new N2 CoV) or (new N2 nCoV) or (new N2 covid) or (new N2 coronavirus*) or (new N2 corona virus) or (new N2 Pandemi*))) OR AB (((new N2 CoV) or (new N2 nCoV) or (new N2 covid) or (new N2 coronavirus*) or (new N2 corona virus) or (new N2 Pandemi*))) OR KW (((new N2 CoV) or (new N2 nCoV) or (new N2 covid) or (new N2 coronavirus*) or (new N2 corona virus) or (new N2 Pandemi*)))</p>	Search modes - Boolean/Phrase	Interface - EBSCOhost Research Database Search Screen - Advanced Search Database - SPORTDiscus
S14	<p>TI (((novel N2 CoV) or (novel N2 nCoV) or (novel N2 covid) or (novel N2 coronavirus*) or (novel N2 corona virus) or (novel N2 Pandemi*))) OR AB (((novel N2 CoV) or (novel N2 nCoV) or (novel N2 covid) or (novel N2 coronavirus*) or (novel N2 corona virus) or (novel N2 Pandemi*))) OR KW (((novel N2 CoV) or (novel N2 nCoV) or (novel N2 covid) or (novel N2 coronavirus*) or (novel N2 corona virus) or (novel N2 Pandemi*)))</p>	Search modes - Boolean/Phrase	Interface - EBSCOhost Research Database Search Screen - Advanced Search Database - SPORTDiscus
S13	<p>(DE "COVID-19" OR DE "COVID-19 pandemic") OR TI ((2019-ncov or ncov19 or ncov-19 or 2019-novel CoV or sars-cov2 or sars-cov-2 or sarscov2 or sarscov-2 or Sars-coronavirus2 or Sars-coronavirus-2 or SARS-like coronavirus* or coronavirus-19 or covid19 or covid-19 or covid 2019)) OR AB ((2019-ncov or ncov19 or ncov-19 or 2019-novel CoV or sars-cov2 or sars-cov-2 or sarscov2 or sarscov-2 or Sars-coronavirus2 or Sars-coronavirus-2 or SARS-like coronavirus* or coronavirus-19 or covid19 or covid-19 or covid 2019)) OR KW ((2019-ncov or ncov19 or ncov-19 or 2019-novel CoV or sars-cov2 or sars-cov-2 or sarscov2 or sarscov-2 or Sars-coronavirus2 or Sars-coronavirus-2 or SARS-like coronavirus* or</p>	Search modes - Boolean/Phrase	Interface - EBSCOhost Research Database Search Screen - Advanced Search Database - SPORTDiscus

	coronavirus-19 or covid19 or covid-19 or covid 2019))		
	TI ((coronavirus* or corona virus* or OC43 or NL63 OR 229E or HKU1 or HCoV* or nvoc* or covid* or sars-cov* or sarscov* or sars-coronavirus* or severe acute respiratory syndrome coronavirus*)) OR AB ((coronavirus* or corona virus* or OC43 or NL63 OR 229E or HKU1 or HCoV* or nvoc* or covid* or sars-cov* or sarscov* or sars-coronavirus* or severe acute respiratory syndrome coronavirus*)) OR KW ((coronavirus* or corona virus* or OC43 or NL63 OR 229E or HKU1 or HCoV* or nvoc* or covid* or sars-cov* or sarscov* or sars-coronavirus* or severe acute respiratory syndrome coronavirus*))	Limiters - Published Date: 20190101-20211231 Search modes - Boolean/Phrase	Interface - EBSCOhost Research Database - SPORTDiscus Search Screen - Advanced Search
S12			
S11	S9 OR S10	Search modes - Boolean/Phrase	Interface - EBSCOhost Research Database - SPORTDiscus Search Screen - Advanced Search
S10	TI (stay* N2 home) OR AB (stay* N2 home) OR KW (stay* N2 home)	Search modes - Boolean/Phrase	Interface - EBSCOhost Research Database - SPORTDiscus Search Screen - Advanced Search
	(DE "STAY-at-home orders") OR TI ((lockdown# or restriction# or quarantine# or shelter or social distancing or physical distancing or confinement)) OR AB ((lockdown# or restriction# or quarantine# or shelter or social distancing or physical distancing or confinement)) OR KW ((lockdown# or restriction# or quarantine# or shelter or social distancing or physical distancing or confinement))	Search modes - Boolean/Phrase	Interface - EBSCOhost Research Database - SPORTDiscus Search Screen - Advanced Search
S9			
S8	S5 OR S6 OR S7	Search modes - Boolean/Phrase	Interface - EBSCOhost Research Database - SPORTDiscus Search Screen - Advanced Search
	TI ((increase# or decrease# or reduc* or effect#)) OR AB ((increase# or decrease# or reduc* or effect#)) OR KW ((increase# or decrease# or reduc* or effect#))	Search modes - Boolean/Phrase	Interface - EBSCOhost Research Database - SPORTDiscus Search Screen - Advanced Search
S7			
S6	TI ((incidence or prevelan* or epidemiolog* or trend# or pattern# or occurrence or change#)) OR AB ((incidence or prevelan* or	Search modes - Boolean/Phrase	Interface - EBSCOhost Research Database - SPORTDiscus Search Screen - Advanced Search

	epidemiolog* or trend# or pattern# or occurrence or change#)) OR KW ((incidence or prevelan* or epidemiolog* or trend# or pattern# or occurrence or change#))		
S5	DE "DISEASE prevalence" OR DE "EPIDEMIOLOGY"	Search modes - Boolean/Phrase	Interface - EBSCOhost Research D Search Screen - Advanced Search Database - SPORTDiscus
S4	S1 OR S2 OR S3	Search modes - Boolean/Phrase	Interface - EBSCOhost Research D Search Screen - Advanced Search Database - SPORTDiscus
S3	TI ((injur* or accident* or burn# or fire# or fall# or poison* or drown* or fracture# or trauma or collision# or crashes or suffocat*)) OR AB ((injur* or accident* or burn# or fire# or fall# or poison* or drown* or fracture# or trauma or collision# or crashes or suffocat*)) OR KW ((injur* or accident* or burn# or fire# or fall# or poison* or drown* or fracture# or trauma or collision# or crashes or suffocat*))	Search modes - Boolean/Phrase	Interface - EBSCOhost Research D Search Screen - Advanced Search Database - SPORTDiscus
S2	DE "ACCIDENTS" OR DE "ACCIDENTAL falls" OR DE "CAVING accidents" OR DE "CRASH injuries" OR DE "DROWNING" OR DE "HUNTING accidents" OR DE "ICE accidents" OR DE "MARINE accidents" OR DE "MEDICAL emergencies" OR DE "MOUNTAINEERING accidents" OR DE "OVERUSE injuries" OR DE "SKIING accidents" OR DE "SPORTS accidents"	Search modes - Boolean/Phrase	Interface - EBSCOhost Research D Search Screen - Advanced Search Database - SPORTDiscus
S1	DE "WOUNDS & injuries" OR DE "BACKPACKING injuries" OR DE "BLUNT trauma" OR DE "BURNS & scalds" OR DE "CAMPING injuries" OR DE "CHRONIC wounds & injuries" OR DE "CRASH injuries" OR DE "DANCING injuries" OR DE "DECOMPRESSION sickness" OR DE "DISABILITIES" OR DE "HEAD injuries" OR DE "JOINT dislocations" OR DE "MARTIAL arts injuries" OR DE "MOTORCYCLING injuries" OR DE "MOUNTAINEERING injuries" OR DE "NERVOUS system injuries"	Search modes - Boolean/Phrase	Interface - EBSCOhost Research D Search Screen - Advanced Search Database - SPORTDiscus

OR DE "ORGAN rupture" OR DE
"OVEREXERTION injuries" OR DE
"OVERUSE injuries" OR DE
"PENETRATING wounds" OR DE
"PHYSIOLOGIC strain" OR DE
"SOFT tissue injuries" OR DE
"SPORTS injuries" OR DE
"SUBLUXATION" OR DE
"WOUND care"

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