

Online Supplementary Materials

Section 1

MEDLINE (Ovid) search strategy

1. exp Patient simulation/
2. exp High Fidelity Simulation Training/
3. exp Simulation Training/
4. exp virtual reality/
5. exp augmented reality/
6. simula*.ti,ab.
7. simulation. ti,ab.
8. virtual reality .ti,ab
9. augmented reality .ti,ab
10. (1 OR 2 OR 3 OR 4 OR 5 OR 6 OR 7 OR 8 OR 9)
11. exp COVID-19/
12. exp SARS-CoV-2/
13. severe acute respiratory syndrome coronavirus 2 .ti,ab
14. ncov .it,ab
15. COVID-19 .ti,ab
16. SARS-CoV-2 .ti,ab
17. coronavirus .ti,ab
18. (11 OR 12 OR 13 OR 14 OR 15 OR 16 OR 17)
19. 10 AND 18

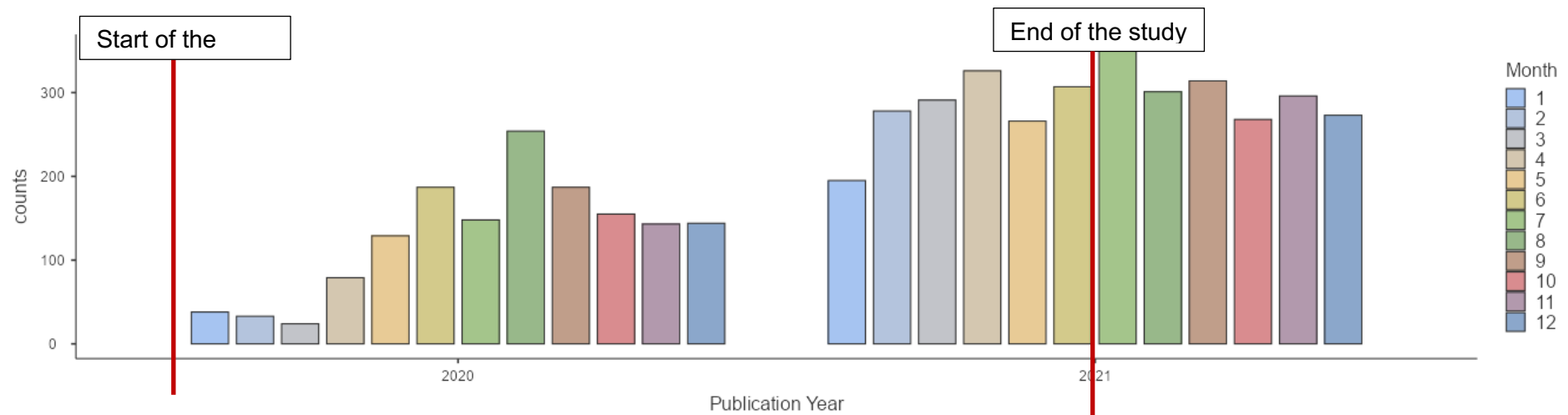
Database	Number of records (30/06/2021)
Embase via OVID	3137
MEDLINE via OVID	1697
MEDLINE via PubMed	3605
Scopus	346
CINAHL/EBSCO	780
Science Citation Index Expanded (WoS)	1691
Conference Proceedings Citation Index (WoS)	33
EBM Reviews - Cochrane Database of Systematic Reviews	3
EBM Reviews - ACP Journal Club	0
EBM Reviews - Cochrane Clinical Answers	0
EBM Reviews - Cochrane Central Register of Controlled Trials	83
EBM Reviews - Cochrane Methodology Register	0
EBM Reviews - NHS Economic Evaluation Database	0

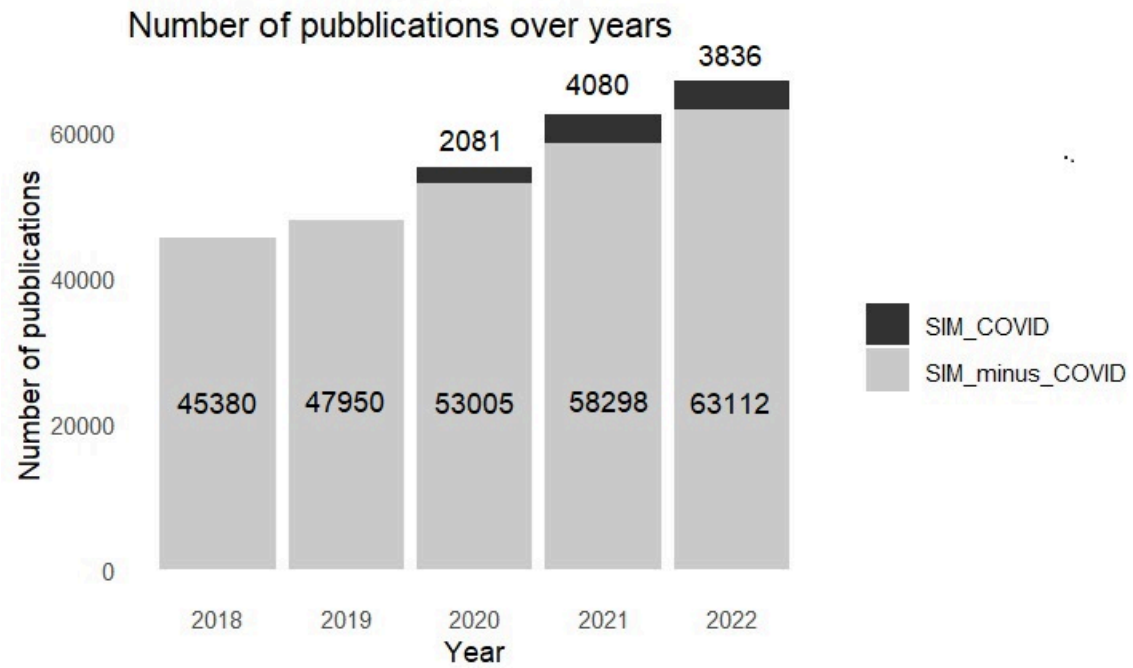
Database	Number of records (30/06/2021)
	11375

Section 2

The figure shows the number of records identified exclusively with PubMed with the search strategy used for this review. The search period is for January 2020 through December 2021 with monthly breakdown. As the figure shows between January 2020 and June 2021, 3184 articles were identified, and between July 2021 and December 2021, 1804 articles were identified. Note the growth in the number of publications making it impossible to update the review before publication

Publication Year	Month											
	1	2	3	4	5	6	7	8	9	10	11	12
2020	38	33	24	79	129	187	148	254	187	155	143	144
2021	195	278	291	326	266	307	352	301	314	268	296	273





The figure shows the number of publications identified with PubMed: the number of publications identified exclusively with the first part of the bibliographic search string is shown in light grey, excluding those pertaining to covid. The publications identified with the search string used in this scoping review are shown in black. In this figure the number of publications regarding simulation has grown over the years but in the pandemic years the increase was greater.

Section 3.

Table 1s. Characteristics of included studies: year of publication. types of study.

	n	% (n/422)
Year of Publication		
2020	205	48.6 %
2021 (until 30th June)	217	51.4 %
Type of study		
Observational study	177	41.9 %
Opinion/Letter	69	16.4 %
Others	47	11.1 %
RCT	25	5.9 %
Scenario	72	17.1 %
Survey	16	3.8 %
Systematic review/Review	16	3.8 %

Table 2s. Country of included studies.

Country	n	% (n/N)	Income group ¹
United States	176	41.7%	High income
United Kingdom	59	14.0%	High income
Canada	32	7.6%	High income
Australia	17	4.0%	High income
China	13	3.1%	Upper middle income
India	12	2.8%	Lower middle income
Germany	9	2.1%	High income
Singapore	8	1.9%	High income
Japan	7	1.7%	High income
Spain	7	1.7%	High income
Italy	6	1.4%	High income
France	5	1.2%	High income
Saudi Arabia	5	1.2%	High income
Iran	5	1.2%	Lower middle income
Israel	4	0.9%	High income
Austria	4	0.9%	High income
Malaysia	4	0.9%	Upper middle income
Germany	4	0.9%	High income
Poland	3	0.7%	High income
Korea	3	0.7%	High income
Singapore	3	0.7%	High income
Greece	2	0.5%	High income
Turkey	2	0.5%	Upper middle income
Mexico	2	0.5%	Upper middle income
Lebanon	2	0.5%	Lower middle income
England	2	0.5%	High income
Israel	2	0.5%	High income
Portugal	1	0.2%	High income
Thailand	1	0.2%	Upper middle income
Chile	1	0.2%	High income
Argentina	1	0.2%	Upper middle income
Norway	1	0.2%	High income
Guatemala	1	0.2%	Upper middle income
Brazil	1	0.2%	Upper middle income
Nepal	1	0.2%	Lower middle income
Pakistan	1	0.2%	Lower middle income
Dominican Republic	1	0.2%	Upper middle income
Belgium	1	0.2%	High income
Sweden	1	0.2%	High income
Republic of Singapore	1	0.2%	High income
Colombia	1	0.2%	Upper middle income
Israel	1	0.2%	High income
Indonesia	1	0.2%	Lower middle income
Peru	1	0.2%	Upper middle income
Latvia	1	0.2%	High income
Thailand	1	0.2%	Upper middle income
Poland	1	0.2%	High income
New Zealand	1	0.2%	High income
South Africa	1	0.2%	Upper middle income
Not Available	2	0.5%	
	422		

¹ «World Bank Country and Lending Groups – World Bank Data Help Desk».