

Appendix A: Sources used for rapid review conducted on 28th January 2021

UNCOVER (Usher Network for Covid-19 Evidence Reviews)	https://www.ed.ac.uk/usher/uncover/register-of-reviews
Epistemonikos, Covid-19 L.ove	https://app.iloveevidence.com/loves/5e6fdb9669c00e4ac072701d
VA Evidence Synthesis Program	http://covid19reviews.org/
COVID-19 Best Evidence Front Door, University of Michigan	https://frontdoor.knack.com/covidbestevidence/
COVID-END Evidence about public-health measures	https://www.mcmasterforum.org/networks/covid-end/resources-to-support-decision-makers/Inventory-of-best-evidence-syntheses/public-health-measures
Health Information and Quality Authority, Ireland	https://www.hiqa.ie/areas-we-work/health-technology-assessment/covid-19-publications
McMaster Uni, National Collaborating Centre for Methods and Tools (NCCMT)	https://www.nccmt.ca/knowledge-repositories/covid-19-evidence-reviews
SPOR	https://sporevidencealliance.ca/test-2/covid-19-evidence-synthesis/
LitCOVID	https://www.ncbi.nlm.nih.gov/research/coronavirus/
NLM Covid portfolio	https://icite.od.nih.gov/covid19/search/
Cochrane	https://covidrapidreviews.cochrane.org/
Emergency Care Research Insititute (ECRI)	https://www.ecri.org/covid-19-clinical-evidence-assessments
Lenus, The Irish Health Repository, Covid-19 Rapid Reviews & Evidence Summaries	https://www.lenus.ie/handle/10147/627286
National Institute for Health and Care Excellence (NICE)	https://www.nice.org.uk/covid-19

National Institute for Health Research (NIHR)	https://www.crd.york.ac.uk/prospero/
Norwegian Institute of Public Health (NIPH)	https://www.fhi.no/en/qk/systematic-reviews-hta/map/
Oxford COVID-19 Evidence Service	https://www.cebm.net/oxford-covid-19-evidence-service/
Santé Publique France	https://www.santepubliquefrance.fr/maladies-et-traumatismes/maladies-et-infections-respiratoires/infection-a-coronavirus/articles/covid-19-etat-des-connaissances-et-veille-documentaire
World Health Organization (WHO)	https://search.bvsalud.org/global-literature-on-novel-coronavirus-2019-ncov/#
McMaster Forum	https://www.mcmasterforum.org/find-evidence/products?ProductTypes=Rapid%20evidence%20profile;
COVID-19 Quick Response Reports for the NL	https://www.nlcahr.mun.ca/CHRSP/COVIDQuickResponse.php
ECDC	https://www.ecdc.europa.eu/en
PHE Covid-19 Evidence Systematic review updates	Available in 'Keeping up to date' Teams channel, in Systematic Review folder
Public Health Wales Observatory, rapid evidence summaries	http://www.publichealthwalesobservatory.wales.nhs.uk/coronavirus-covid-19-publications
New South Wales, Agency for Clinical Innovation, COVID-19 Critical Intelligence Unit	https://www.aci.health.nsw.gov.au/covid-19/critical-intelligence-unit/evidence-check
NIHR Applied Research Collaboration (ARC) West, COVID-19 rapid reports	https://arc-w.nihr.ac.uk/research-and-implementation/covid-19-response/

Evidence Aid, Coronavirus (COVID-19) collection	https://evidenceaid.org/evidence/coronavirus-covid-19/
SAHMRI - based Health Policy Centre	https://www.sahmri.org/covid19/
SAGE scientific evidence	https://www.gov.uk/government/collections/scientific-evidence-supporting-the-government-response-to-coronavirus-covid-19

Appendix B: Comprehensive search strategy

Database: Ovid MEDLINE(R) ALL <1946 to April 05, 2021>

Date: 05/04/2021

- 1 exp coronavirus/ (65864)
- 2 exp Coronavirus Infections/ (79395)
- 3 ((corona* or corono*) adj1 (virus* or viral* or virinae*)).tw. (1880)
- 4 (covid or coronavirus* or coronovirus* or coronavirinae* or Coronavirus* or Coronovirus* or Wuhan* or Hubei* or Huanan or "2019-nCoV" or 2019nCoV or nCoV2019 or "nCoV-2019" or "COVID-19" or COVID19 or "CORVID-19" or CORVID19 or "WN-CoV" or WNCov or "HCoV-19" or HCoV19 or CoV or "2019 novel*" or Ncov or "n-cov" or "SARS-CoV-2" or "SARSCoV-2" or "SARSCoV2" or "SARS-CoV2" or SARSCov19 or "SARS-Cov19" or "SARSCov-19" or "SARS-Cov-19" or Ncovor or Ncorona* or Ncorono* or NcovWuhan* or NcovHubei* or NcovChina* or NcovChinese*).tw. (135936)
- 5 or/1-4 (146322)
- 6 exp Cross Infection/ (60912)
- 7 exp hospital infection/ (60912)
- 8 exp Health Personnel/ (534520)
- 9 exp Health Workforce/ (13501)
- 10 Infectious Disease Transmission, Patient-to-Professional/ (5050)
- 11 Infectious Disease Transmission, Professional-to-Patient/ (1874)
- 12 Patients/ (21830)
- 13 nosocomial.ti,ab,kw. (31450)
- 14 "hospital acquired".ti,ab,kw. (10306)
- 15 "healthcare acquired".ti,ab,kw. (297)
- 16 "health-care acquired".ti,ab,kw. (137)
- 17 "hospital associated".ti,ab,kw. (1235)
- 18 "healthcare associated".ti,ab,kw. (5184)
- 19 "health-care associated".ti,ab,kw. (2602)
- 20 "hospital onset".ti,ab,kw. (440)
- 21 "health-care onset".ti,ab,kw. (6)
- 22 "healthcare onset".ti,ab,kw. (16)
- 23 "hospital transmission".ti,ab,kw. (203)
- 24 "health-care transmission".ti,ab,kw. (14)
- 25 "healthcare transmission".ti,ab,kw. (10)
- 26 "hospital team*".ti,ab,kw. (420)
- 27 (HW or HWs or HCW or HCWs or HCP or HCPs).ti,ab,kw. (14658)
- 28 "healthcare workforce".ti,ab,kw. (656)
- 29 "health-care workforce".ti,ab,kw. (797)
- 30 "healthcare team*".ti,ab,kw. (2818)
- 31 "health-care team*".ti,ab,kw. (4841)
- 32 "healthcare worker*".ti,ab,kw. (13018)
- 33 "health-care worker*".ti,ab,kw. (14681)
- 34 "healthcare practitioner*".ti,ab,kw. (1859)
- 35 "health-care practitioner*".ti,ab,kw. (2485)
- 36 "healthcare professional*".ti,ab,kw. (26020)
- 37 "health-care professional*".ti,ab,kw. (25925)
- 38 "health staff".ti,ab,kw. (2393)

39 "healthcare staff".ti,ab,kw. (1959)
40 "health-care staff".ti,ab,kw. (1433)
41 "health personnel".ti,ab,kw. (7626)
42 "healthcare personnel".ti,ab,kw. (2046)
43 "health-care personnel".ti,ab,kw. (2686)
44 "hospital personnel".ti,ab,kw. (2046)
45 "medical staff".ti,ab,kw. (12693)
46 "non-medical staff".ti,ab,kw. (220)
47 "nursing staff".ti,ab,kw. (12667)
48 "hospital staff".ti,ab,kw. (5606)
49 "clinical staff".ti,ab,kw. (3452)
50 "non-clinical staff".ti,ab,kw. (205)
51 "general hospital*".ti,ab,kw. (39606)
52 "acute hospital".ti,ab,kw. (3704)
53 "intra-hospital".ti,ab,kw. (605)
54 Secondary Care Centers/ (253)
55 Secondary Care/ (697)
56 (secondary adj2 (care or healthcare or health-care or service or center or centre)).ti,ab,kw.
(9970)
57 Tertiary Care Centers/ (15548)
58 Tertiary Healthcare/ (1206)
59 (tertiary adj2 (care or healthcare or health-care or service or center or centre)).ti,ab,kw. (78689)
60 Cancer Care Facilities/ (5581)
61 or/6-60 (870160)
62 infection control/ (26779)
63 patient isolation/ (4274)
64 quarantine/ (4392)
65 Contact Tracing/ (5113)
66 mandatory testing/ (852)
67 mass screening/ (106723)
68 exp hand hygiene/ (7320)
69 Hand Sanitizers/ (225)
70 exp Sterilization/ (31599)
71 population surveillance/ (60705)
72 Occupational Diseases/pc (17211)
73 sanitation/ (7535)
74 universal precautions/ (1659)
75 decontamination/ (5106)
76 Air Conditioning/ (2733)
77 Ventilation/ (5894)
78 Cross infection/ (57976)
79 Disease Transmission, Infectious/pc (4906)
80 Occupational Exposure/pc (7186)
81 control*.ti,ab,kw. (4024794)
82 prevent*.ti,ab,kw. (1497390)
83 protect*.ti,ab,kw. (847158)
84 precaution*.ti,ab,kw. (23456)
85 test*.ti,ab,kw. (3360107)

86 screen*.ti,ab,kw. (799826)
 87 cohort*.ti,ab,kw. (654680)
 88 barrier*.ti,ab,kw. (318568)
 89 roster*.ti,ab,kw. (1715)
 90 ((healthcare or workforce or service*) adj3 reconfigur*).ti,ab,kw. (243)
 91 isolat*.ti,ab,kw. (1379830)
 92 quarantin*.ti,ab,kw. (7978)
 93 segregat*.ti,ab,kw. (76114)
 94 hygien*.ti,ab,kw. (76604)
 95 "hand wash*".ti,ab,kw. (3041)
 96 handwash*.ti,ab,kw. (2391)
 97 ventilation.ti,ab,kw. (126110)
 98 ventilate.ti,ab,kw. (1298)
 99 ventilated.ti,ab,kw. (29639)
 100 "air flow*".ti,ab,kw. (4711)
 101 (air adj2 circulat*).ti,ab,kw. (411)
 102 "air condition*".ti,ab,kw. (3700)
 103 sanitis*.ti,ab,kw. (214)
 104 sanitiz*.ti,ab,kw. (2834)
 105 disinfect*.ti,ab,kw. (31166)
 106 sterilis*.ti,ab,kw. (3475)
 107 steriliz*.ti,ab,kw. (34194)
 108 decontaminat*.ti,ab,kw. (13114)
 109 irradiation.ti,ab. (200351)
 110 (patient* adj2 cohort*).ti,ab,kw. (59120)
 111 (staff adj2 cohort*).ti,ab,kw. (72)
 112 "social distanc*".ti,ab,kw. (5285)
 113 "social* distan*".ti,ab,kw. (5354)
 114 "physical distanc*".ti,ab,kw. (1991)
 115 (visitor* adj2 restrict*).ti,ab,kw. (99)
 116 triag*.ti,ab,kw. (22358)
 117 "risk assessment*".ti,ab,kw. (74709)
 118 (reduc* adj2 contact).ti,ab,kw. (2060)
 119 or/62-118 (10443358)
 120 5 and 61 and 119 (9767)
 121 limit 120 to yr="2020 -Current" (8670)

Database: Embase <1974 to 2021 April 05>

Date: 05/04/2021

1 exp Coronavirinae/ (23603)
 2 exp Coronavirus Infection/ (24618)
 3 "coronavirus disease 2019".sh. (100075)
 4 ((corona* or corono*) adj1 (virus* or viral* or virinae*).ti,ab,kw. (2569)
 5 (covid or coronavirus* or coronovirus* or coronavirinae* or Coronavirus* or Coronovirus* or
 Wuhan* or Hubei* or Huanan or "2019-nCoV" or 2019nCoV or nCoV2019 or "nCoV-2019" or
 "COVID-19" or COVID19 or "CORVID-19" or CORVID19 or "WN-CoV" or WNCov or "HCoV-
 19" or HCoV19 or CoV or "2019 novel*" or Ncov or "n-cov" or "SARS-CoV-2" or "SARSCoV-2" or

"SARSCoV2 r SARS-CoV2" or SARSCov19 or "SARS-Cov19" or "SARSCov-19" or "SARS-Cov-19" or Ncovor or Ncorona* or Ncorono* or NcovWuhan* or NcovHubei* or NcovChina* or NcovChinese*).ti,ab,kw. (138841)

6 or/1-5 (155899)

7 exp Cross Infection/ (19892)

8 exp hospital infection/ (48529)

9 exp Health Care Personnel/ (1656621)

10 disease transmission/ (102681)

11 Patients/ (1057831)

12 nosocomial.ti,ab,kw. (44917)

13 "hospital acquired".ti,ab,kw. (15983)

14 "healthcare acquired".ti,ab,kw. (529)

15 "health-care acquired".ti,ab,kw. (228)

16 "hospital associated".ti,ab,kw. (1844)

17 "healthcare associated".ti,ab,kw,sh. (8628)

18 "health-care associated".ti,ab,kw. (3829)

19 "hospital onset".ti,ab,kw. (733)

20 "health-care onset".ti,ab,kw. (8)

21 "healthcare onset".ti,ab,kw. (33)

22 "hospital transmission".ti,ab,kw. (270)

23 "health-care transmission".ti,ab,kw. (13)

24 "healthcare transmission".ti,ab,kw. (12)

25 "hospital team*".ti,ab,kw. (707)

26 (HW or HWs or HCW or HCWs or HCP or HCPs).ti,ab,kw. (21117)

27 "healthcare workforce".ti,ab,kw. (772)

28 "health-care workforce".ti,ab,kw. (825)

29 "healthcare team*".ti,ab,kw. (4760)

30 "health-care team*".ti,ab,kw. (6513)

31 "healthcare worker*".ti,ab,kw. (16860)

32 "health-care worker*".ti,ab,kw. (18060)

33 "healthcare practitioner*".ti,ab,kw. (2568)

34 "health-care practitioner*".ti,ab,kw. (3160)

35 "healthcare professional*".ti,ab,kw. (39001)

36 "health-care professional*".ti,ab,kw. (35115)

37 "health staff".ti,ab,kw. (3118)

38 "healthcare staff".ti,ab,kw. (2625)

39 "health-care staff".ti,ab,kw. (1834)

40 "health personnel".ti,ab,kw. (6962)

41 "healthcare personnel".ti,ab,kw. (2598)

42 "health-care personnel".ti,ab,kw. (3413)

43 "hospital personnel".ti,ab,kw. (2363)

44 "medical staff".ti,ab,kw. (19219)

45 "non-medical staff".ti,ab,kw. (356)

46 "nursing staff".ti,ab,kw. (19819)

47 "hospital staff".ti,ab,kw. (7843)

48 "clinical staff".ti,ab,kw. (5807)

49 "non-clinical staff".ti,ab,kw. (318)

50 "general hospital*".ti,ab,kw. (59707)

51 "acute hospital".ti,ab,kw. (5986)
52 "intra-hospital".ti,ab,kw. (1355)
53 exp secondary health care/ (8778)
54 (secondary adj2 (care or healthcare or health-care or service or center or centre)).ti,ab,kw.
(16892)
55 exp tertiary health care/ (111389)
56 (tertiary adj2 (care or healthcare or health-care or service or center or centre)).ti,ab,kw. (140705)
57 or/7-56 (2984780)
58 exp Medical Device Contamination/ (1029)
59 exp Health Care Personnel Management/ (3200)
60 exp patient isolation/ (1614)
61 social distance/ (4184)
62 exp quarantine/ (5969)
63 exp infection prevention/ (66200)
64 exp infection control/ (110353)
65 universal precaution/ (492)
66 exp Sterilization/ (20479)
67 population surveillance/ (175183)
68 Occupational Diseases/pc (5245)
69 sanitation/ (14668)
70 exp ultraviolet irradiation/ (15880)
71 "point of care testing"/ (15123)
72 mandatory testing/ (900)
73 Mass screening/ (56690)
74 disease transmission/pc (3315)
75 occupational exposure/pc (2690)
76 "prevention and control".sh. (29011)
77 control*.ti,ab,kw. (5318676)
78 prevent*.ti,ab,kw. (1975590)
79 protect*.ti,ab,kw. (1084382)
80 precaution*.ti,ab,kw. (31894)
81 test*.ti,ab,kw. (4598162)
82 screen*.ti,ab,kw. (1139071)
83 cohort*.ti,ab,kw. (1117994)
84 barrier*.ti,ab,kw. (403524)
85 roster*.ti,ab,kw. (2053)
86 ((healthcare or workforce or service*) adj3 reconfigur*).ti,ab,kw. (391)
87 isolat*.ti,ab,kw. (1649434)
88 quarantin*.ti,ab,kw. (7784)
89 segregat*.ti,ab,kw. (86626)
90 hygien*.ti,ab,kw. (92809)
91 "hand wash*".ti,ab,kw. (4280)
92 handwash*.ti,ab,kw. (2876)
93 ventilation.ti,ab,kw. (191570)
94 ventilate.ti,ab,kw. (1942)
95 ventilated.ti,ab,kw. (44302)
96 "air flow*".ti,ab,kw. (6881)
97 (air adj2 circulat*).ti,ab,kw. (598)

- 98 "air condition*".ti,ab,kw. (4786)
- 99 sanitis*.ti,ab,kw. (292)
- 100 sanitiz*.ti,ab,kw. (3387)
- 101 disinfect*.ti,ab,kw,sh. (51305)
- 102 sterilis*.ti,ab,kw. (4797)
- 103 steriliz*.ti,ab,kw. (34700)
- 104 decontaminat*.ti,ab,kw. (16867)
- 105 irradiation.ti,ab. (235891)
- 106 (patient* adj2 cohort*).ti,ab,kw. (123873)
- 107 (staff adj2 cohort*).ti,ab,kw. (115)
- 108 "social* distan*".ti,ab,kw,sh. (10450)
- 109 "physical distanc*".ti,ab,kw. (1992)
- 110 (visitor* adj2 restrict*).ti,ab,kw. (128)
- 111 triag*.ti,ab,kw. (35433)
- 112 "risk assessment*".ti,ab,kw. (104524)
- 113 (reduc* adj2 contact).ti,ab,kw. (2353)
- 114 or/58-113 (13637840)
- 115 6 and 57 and 114 (19835)
- 116 limit 115 to yr="2020 -Current" (17036)

Cochrane Central Register of Controlled Trials (CENTRAL)

Date: 06/04/2021

ID Search Hits

- #1 MeSH descriptor: [Coronavirus] explode all trees 242
- #2 MeSH descriptor: [Coronavirus Infections] explode all trees 789
- #3 (((corona* or corono*) NEXT (virus* or viral* or virinae*))) :ti,ab,kw 212
- #4 ((covid or coronavirus* or coronovirus* or coronavirinae* or Coronavirus* or Coronavirus* or Wuhan* or Hubei* or Huanan or "2019-nCoV" or 2019nCoV or nCoV2019 or "nCoV-2019" or "COVID-19" or COVID19 or "CORVID-19" or CORVID19 or "WN-CoV" or WNCov or "HCoV-19" or HCoV19 or CoV or "2019 novel*" or Ncov or "n-cov" or "SARS-CoV-2" or "SARSCoV-2" or "SARSCoV2" or "SARS-CoV2" or SARSCov19 or "SARS-Cov19" or "SARSCov-19" or "SARS-Cov-19" or Ncovor or Ncorona* or Ncorono* or NcovWuhan* or NcovHubei* or NcovChina* or NcovChinese*)):ti,ab,kw 5519
- #5 {OR #1-#4} 5550
- #6 MeSH descriptor: [Cross Infection] explode all trees 1471
- #7 MeSH descriptor: [Health Personnel] explode all trees 9107
- #8 MeSH descriptor: [Health Workforce] explode all trees 22
- #9 MeSH descriptor: [Infectious Disease Transmission, Patient-to-Professional] this term only 72
- #10 MeSH descriptor: [Infectious Disease Transmission, Professional-to-Patient] this term only 31
- #11 MeSH descriptor: [Patients] explode all trees 2698
- #12 (nosocomial):ti,ab,kw 1699
- #13 ("hospital acquired"):ti,ab,kw 810
- #14 ("healthcare acquired"):ti,ab,kw 23
- #15 ("health-care acquired"):ti,ab,kw 5
- #16 ("hospital associated"):ti,ab,kw 94

#17	("healthcare associated"):ti,ab,kw	336	
#18	("health-care associated"):ti,ab,kw	150	
#19	("hospital onset"):ti,ab,kw	9	
#20	("health-care onset"):ti,ab,kw	2	
#21	("healthcare onset"):ti,ab,kw	2	
#22	("hospital transmission"):ti,ab,kw	5	
#23	("health-care transmission"):ti,ab,kw	0	
#24	("healthcare transmission"):ti,ab,kw	0	
#25	(hospital NEXT team*):ti,ab,kw	46	
#26	(HW or HWs or HCW or HCWs or HCP or HCPs):ti,ab,kw	988	
#27	("healthcare workforce"):ti,ab,kw	22	
#28	("health-care workforce"):ti,ab,kw	6	
#29	(healthcare NEXT team*):ti,ab,kw	279	
#30	(health-care NEXT team*):ti,ab,kw	329	
#31	(healthcare NEXT worker*):ti,ab,kw	954	
#32	(health-care NEXT worker*):ti,ab,kw	806	
#33	(healthcare NEXT practitioner*):ti,ab,kw	108	
#34	(health-care NEXT practitioner*):ti,ab,kw	132	
#35	(healthcare NEXT professional*):ti,ab,kw	2235	
#36	(health-care NEXT professional*):ti,ab,kw	1716	
#37	("health staff"):ti,ab,kw	224	
#38	("healthcare staff"):ti,ab,kw	188	
#39	("health-care staff"):ti,ab,kw	122	
#40	("health personnel"):ti,ab,kw	3654	
#41	("healthcare personnel"):ti,ab,kw	151	
#42	("health-care personnel"):ti,ab,kw	3250	
#43	("hospital personnel"):ti,ab,kw	311	
#44	("medical staff"):ti,ab,kw	1452	
#45	("non-medical staff"):ti,ab,kw	10	
#46	("nursing staff"):ti,ab,kw	2275	
#47	("hospital staff"):ti,ab,kw	425	
#48	("clinical staff"):ti,ab,kw	681	
#49	("non-clinical staff"):ti,ab,kw	19	
#50	(general NEXT hospital*):ti,ab,kw	3294	
#51	(acute NEXT hospital*):ti,ab,kw	738	
#52	("intra-hospital"):ti,ab,kw	64	
#53	MeSH descriptor: [Secondary Care Centers] this term only	7	
#54	MeSH descriptor: [Secondary Care] this term only	40	
#55	((secondary NEAR/2 (care or healthcare or health-care or service or center or centre))):ti,ab,kw	2612	
#56	MeSH descriptor: [Tertiary Care Centers] this term only	335	
#57	MeSH descriptor: [Tertiary Healthcare] this term only	20	
#58	((tertiary NEAR/2 (care or healthcare or health-care or service or center or centre))):ti,ab,kw	8411	
#59	MeSH descriptor: [Cancer Care Facilities] this term only	90	
#60	{OR #6-#59}	42378	
#61	MeSH descriptor: [Infection Control] this term only	548	
#62	MeSH descriptor: [Patient Isolation] explode all trees	54	

#63 MeSH descriptor: [Quarantine] this term only 12

#64 MeSH descriptor: [Contact Tracing] explode all trees 82

#65 MeSH descriptor: [Mandatory Testing] explode all trees 3

#66 MeSH descriptor: [Mass Screening] explode all trees 3839

#67 MeSH descriptor: [Hand Hygiene] explode all trees 458

#68 MeSH descriptor: [Hand Sanitizers] explode all trees 37

#69 MeSH descriptor: [Sterilization] explode all trees 491

#70 MeSH descriptor: [Population Surveillance] explode all trees 518

#71 MeSH descriptor: [Occupational Diseases] this term only 884

#72 MeSH descriptor: [Sanitation] explode all trees 251

#73 MeSH descriptor: [Universal Precautions] explode all trees 16

#74 MeSH descriptor: [Decontamination] explode all trees 82

#75 MeSH descriptor: [Air Conditioning] explode all trees 34

#76 MeSH descriptor: [Ventilation] explode all trees 83

#77 MeSH descriptor: [Cross Infection] explode all trees 1471

#78 MeSH descriptor: [Disease Transmission, Infectious] this term only and with qualifier(s):
[prevention & control - PC] 94

#79 MeSH descriptor: [Occupational Exposure] this term only and with qualifier(s): [prevention
& control - PC] 125

#80 (control*):ti,ab,kw 1025915

#81 (prevent*):ti,ab,kw 234524

#82 (protect*):ti,ab,kw 42045

#83 (precaution*):ti,ab,kw 1420

#84 (test*):ti,ab,kw 389392

#85 (screen*):ti,ab,kw 76223

#86 (cohort*):ti,ab,kw 59292

#87 (barrier*):ti,ab,kw 19053

#88 (roster*):ti,ab,kw 103

#89 (((healthcare or workforce or service*) NEAR/3 reconfigur*)):ti,ab,kw 15

#90 (isolat*):ti,ab,kw 27744

#91 (quarantin*):ti,ab,kw 217

#92 (segregat*):ti,ab,kw 465

#93 (hygien*):ti,ab,kw 9132

#94 (hand NEXT wash*):ti,ab,kw 737

#95 (handwash*):ti,ab,kw 518

#96 (ventilation):ti,ab,kw 27488

#97 (ventilate):ti,ab,kw 222

#98 (ventilated):ti,ab,kw 5405

#99 (air NEXT flow*):ti,ab,kw 319

#100 ((air NEXT/2 circulat*)):ti,ab,kw 28

#101 (air NEXT condition*):ti,ab,kw 860

#102 (sanitis*):ti,ab,kw 14

#103 (sanitiz*):ti,ab,kw 187

#104 (disinfect*):ti,ab,kw 2511

#105 (sterilis*):ti,ab,kw 409

#106 (steriliz*):ti,ab,kw 2334

#107 (decontaminat*):ti,ab,kw 855

#108 (irradiation):ti,ab,kw 8411

#109	((patient* NEAR/2 cohort*)):ti,ab,kw	6423
#110	((staff NEAR/2 cohort*)):ti,ab,kw	7
#111	(social* NEXT distanc*):ti,ab,kw	301
#112	(physical* NEXT distanc*):ti,ab,kw	53
#113	((visitor* NEAR/2 restrict*)):ti,ab,kw	5
#114	(triag*):ti,ab,kw	1849
#115	(risk NEXT assessment*):ti,ab,kw	25789
#116	((reduc* NEAR/2 contact)):ti,ab,kw	209
#117	{OR #61-#116}	1224473
#118	#5 AND #60 AND #117	483
#119	Date limit 2020-2021	445

Covid-19 Portfolio

(Sources: medRxiv, bioRxiv, arXiv, ChemRxiv, Research Square, SSRN, Preprints.org, Qeios)

Date: 07/04/2021

(nosocomial OR "hospital acquired" OR "healthcare acquired" OR "health-care acquired" OR "hospital associated" OR "healthcare associated" OR "hospital associated" OR "healthcare associated" OR "health-care associated" OR "hospital onset" OR "health-care onset" OR "healthcare onset" OR "hospital transmission"~2 OR "health-care transmission" OR "healthcare transmission" OR "hospital team" OR "hospital teams" OR "healthcare workforce" OR "health-care workforce" OR "healthcare team" OR "healthcare teams" OR "health-care team" OR "health-care teams" OR "healthcare worker" OR "healthcare workers" OR "health-care worker" OR "health-care workers" OR "healthcare practitioner" OR "healthcare practitioners" OR "health-care practitioner" OR "health-care practitioners" OR "healthcare professional" OR "healthcare professionals" OR "health-care professional" OR "health-care professionals" OR "health staff" OR "healthcare staff" OR "health-care staff" OR "health personnel" OR "healthcare personnel" OR "health-care personnel" OR "hospital personnel" OR "medical staff" OR "non-medical staff" OR "nursing staff" OR "hospital staff" OR "clinical staff" OR "non-clinical staff" OR HW OR HWs OR HCW OR HCWs OR HCP OR HCPs OR "general hospital" OR "acute hospital" OR "intra-hospital" OR "secondary care"~2 OR "secondary healthcare"~2 OR "secondary health-care"~2 OR "tertiary care"~2 OR "tertiary healthcare"~2 OR "tertiary health-care"~2) AND (control* OR prevent* OR protect* OR precaution* OR test* OR screen* OR cohort* OR barrier* OR roster* OR isolat* OR quarantin* OR segregat* OR hygien* OR triag* OR "healthcare reconfiguration"~2 OR "service reconfiguration"~2 OR "hand wash" OR handwash* OR ventilation OR ventilate OR ventilated OR "air flow" OR "air circulation" OR "air conditioning" OR sanitis* OR sanitiz* OR disinfect* OR sterilis* OR steriliz* OR decontaminat* OR irradiation OR "social distance" OR "social distancing" OR "socially distant" OR "physical distance" OR "physical distancing" OR "visitor restrictions" OR "restricting visitors"~2 OR "staff cohort" OR "staff cohorts"~2 OR "staff cohorting"~2 OR "patient cohort" OR "patients cohort"~2 OR "patient cohorts"~2 OR "patients cohorts"~2 OR "patient cohorting" OR "risk assessment" OR "risk assessments" OR "reducing contact" OR "reduce contact" OR "reduced contact" OR "contact tracing")

Search fields: Title, Abstract

Total results: 2084

Web of Science

Date: 07/04/2021

(covid or coronavirus* OR "2019-nCoV" or 2019nCoV or nCoV2019 or "nCoV-2019" or "COVID-19" or COVID19 or "CORVID-19" or CORVID19 or "WN-CoV" or WNCov or "HCoV-19" or HCoV19 or CoV or "2019 novel*" or Ncov or "n-cov" or "SARS-CoV-2" or "SARSCoV-2" or "SARSCoV2 r SARS-CoV2" or SARSCov19 or "SARS-Cov19" or "SARSCov-19" or "SARS-Cov-19" or Ncovor or Ncorona* or Ncorono* or NcovWuhan* or NcovHubei* or NcovChina* or NcovChinese*) AND (nosocomial OR "hospital acquired" OR "healthcare acquired" OR "health-care acquired" OR "hospital associated" OR "healthcare associated" OR "hospital associated" OR "healthcare associated" OR "health-care associated" OR "hospital onset" OR "health-care onset" OR "healthcare onset" OR "hospital transmission" OR "health-care transmission" OR "healthcare transmission" OR "hospital team" OR "hospital teams" OR "healthcare workforce" OR "health-care workforce" OR "healthcare team" OR "healthcare teams" OR "health-care team" OR "health-care teams" OR "healthcare worker" OR "healthcare workers" OR "health-care worker" OR "health-care workers" OR "healthcare practitioner" OR "healthcare practitioners" OR "health-care practitioner" OR "health-care practitioners" OR "healthcare professional" OR "healthcare professionals" OR "health-care professional" OR "health-care professionals" OR "health staff" OR "healthcare staff" OR "health-care staff" OR "health personnel" OR "healthcare personnel" OR "health-care personnel" OR "hospital personnel" OR "medical staff" OR "non-medical staff" OR "nursing staff" OR "hospital staff" OR "clinical staff" OR "non-clinical staff" OR "general hospital" OR "acute hospital" OR "intra-hospital" OR "secondary care" OR (secondary AND (healthcare OR health-care OR "health care"))) OR "tertiary care" OR (tertiary AND healthcare OR health-care OR "health care")) AND (control* OR prevent* OR protect* OR precaution* OR test* OR screen* OR cohort* OR barrier* OR roster* OR isolat* OR quarantin* OR segregat* OR hygien* OR triag* OR "healthcare reconfiguration" OR "service reconfiguration" OR "hand wash" OR handwash* OR ventilation OR ventilate OR ventilated OR "air flow" OR "air circulation" OR "air conditioning" OR sanitis* OR sanitiz* OR disinfect* OR sterilis* OR steriliz* OR decontaminat* OR irradiation OR "social distance" OR "social distancing" OR "socially distant" OR "physical distance" OR "physical distancing" OR "visitor restrictions" OR "restricting visitors" OR "staff cohort*" OR "cohorting staff" OR "cohorts of staff" OR "patient cohort" OR "patient* cohort*" OR "patient cohorting" OR "risk assessment" OR "risk assessments" OR "reducing contact" OR "reduce contact" OR "reduced contact" OR "contact tracing")

Date: 2020-2021

6923 results

Appendix C: Extended table of details of studies

Table 1 – Extended version with all characteristics of included studies

Study	Country	Publication status	Type of study	No. of participants	Age	% female	Co-morbidities	Hospital setting	Baseline IPC measures	Type of intervention	Intervention description	Duration of follow up	Control	Primary outcome	Secondary outcome
Abella 2020	USA	Published	RCT	132	median: 33 years (range, 20-66)	69%	Asthma (17%), Diabetes (3%), Hypertension (21%)	Emergency department, dedicated COVID-19 units	Use of PPE (including masks, eyewear, and gowns) as well as patient screening for COVID-19 symptoms	Pre-exposure prophylaxis	hydroxychloroquine 200-mg tablets, 3 tablets once a day	8 wks	Placebo	rate of conversion to SARS-CoV-2 positive status via NP RT-PCR after 8 weeks of treatment	adverse event rate; rate of serologic antibody positivity for either nucleocapsid or spike protein antigens; ECG changes after 4 weeks of treatment; clinical outcomes for any participants who became SARS-CoV-2 positive and/or developed COVID-19 symptoms within study period.

Chahla, 2021	Argentina	Pre-print	RCT	234	median 38 years (min: 22; max: 69)	57.30%	Hypertension (9%), Diabetes (7%), Obesity (12%), >60 years (4%), Renal (2%)	Healthcare centres	standard biosecurity care and personal protective equipment (PPE).	Pre-exposure prophylaxis	ivermectin (2 tablets of 6 mg weekly) and Iota-Carrageenan (6 sprays per day)	4 wks	Standard biosecurity care and personal protective equipment (PPE).	reduction in COVID-19 disease rate, measured by RT-PCR	Reduction in presence of COVID-19 symptoms; protection against the appearance of severe stages for COVID-19 disease
Grau - Pujol, 2021	Spain	Pre-print	RCT	269	median: 39 years (IQR: 30–50 years)	73%	Diabetes (0.4%), hypertension (1.9%), chronic respiratory condition (2.6%), other (27.9%)	Hospital, specific unit unclear.	83% always used COVID-19 recommended PPE at work during the last 20 days	Pre-exposure prophylaxis	hydroxychloroquine (2 tablets of 200 mg daily for first 4 days, then 400mg weekly)	6 mos	Placebo	incidence of compatible symptoms with COVID-19 with seroconversion or a positive RT-PCR between study arms	the SARS-CoV-2 seroconversion in study arms in both asymptomatic and symptomatic participants; adverse events (AE) related to hydroxychloroquine treatment; incidence of SARS-CoV-2 infection in placebo group ; risk ratio for the different clinical, analytical and microbiological conditions to develop COVID-19.

Gupta, 2021	India	Pre-print	RCT	199	Intervention: mean: 32.1 (SD:7.4); Control: mean: 33.6 (SD: 8.6)	Intervention: 40.8 % out of 98, Control: 50.5 % out of 95	Malnourished (3.1%)	COVID-19 isolation ward	Standard Preventive Regimen as per institutional guidelines and based on roles	Pre-exposure prophylaxis	Chyawanprash (12 g twice daily)	30 days	Standard preventive regimen	incidence of COVID-19 cases in both groups confirmed by RT-PCR	comparing the biochemical and hematological parameters before and after the study and through occurrence of any adverse drug reactions; assessment of efficacy of Chyawanprash in preventing other infective diseases through incidence of symptoms; evaluation of effect of Chyawanprash on immunoglobulins and inflammatory markers through comparing the levels of IgG, IgM, IgE, high sensitivity C-Reactive Protein (hsCRP), Tumor Necrosing
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Mikhaylov, 2021	Russia	Pre-print	RCT	50	mean: 40.6(SD: 7.6)	58%	Hypertensive (6%); Hypercholesterolemia (4%)	emergency departments where patients with confirmed/suspected COVID-19 were admitted, intensive care units, and clinical departments	PPE as prescribed by WHO recommendations and local instructions. PPE included respirators class FFP2 or FFP3, full skin covering, and protective eyeglasses.	Pre-exposure prophylaxis	Bromhexine hydrochloride treatment (8 mg 3 times per day)	8 wks	Standard care	positive nasopharyngeal swab SARS-CoV-2 PCR test or the presence of clinical symptoms of infection within 28 days and during the weeks 5 - 8 after the last contact to subjects with COVID-19	time from the first contact with a person with suspected/confirmed COVID-19 to the appearance of respiratory infection symptoms; number of days before first positive SARS-CoV-2 test; number of asymptomatic participants with a positive nasopharyngeal swab test; the number of mild, moderate and severe COVID-19 cases;
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Rajas ingha m, 2020	C an ad a, U S A	Publishe d	R C T	148 3	media n age: 41 years (inter quar- tile range [IQR] , 34 to 49)	51%	Hyperten sion(14%), asthma(1 0%),	emergen cy departme nt or intensive care unit, on a dedicated COVID- 19 hospital ward	Mask/ faceshield use reported over 80% in all groups	Pre- exposu re prophyl axis	Hydroxych lroquine(4 00 mg (2 200-mg tablets) twice separated by 6–8 hours followed by (1) 400 mg (2 200- mg tablets) once weekly or (2) 400 mg (2 200-mg tablets) twice weekly	12 wks	Placebo	COVID- 19–free survival time by PCR confirmed or probable compatible illness.	incidence of confirmed SARS-CoV-2 detection; incidence of possible COVID-19; incidence of hospitalization, death, or other adverse events.
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Hafeez, 2020	Pakistan	Pre-print	non-RT	60	Intervention: Min-max(20-35); Control: Min-max(20-38)	28.30%	Anxiety(93.3%)	Entrance of the hospital	Standard PPE (did not specify what types)	Audio-visual triage	glass barrier sheet at triage desk at a distance of more than 6 feet from patient desk, both desks connected with non-touchable mic system for communication	1 wk	visual triage (outside at entry door)	Anxiety levels	COVID-19 PCR results
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