

S2 Appendix. Selected characteristics of the 65 studies included in this review

Study	Country	Publication status	Sampling method	Sample size	Response rate	Age: mean, SD	Gender: female	Occupation	Direct contact with patients with COVID-19
Amerio et al. (2020)	Italy	Peer-reviewed	Non-random	131	25%	52.3, 12.2	63	General practitioner: 131	N/A
Apisarnthanarak et al. (2020)	Thailand	Peer-reviewed	Non-random	160	N/A	32	95	Physician: 52 Nurse: 45 Assistant nurse: 16 Other: 47	82
Badahdah et al. (2020)	Oman	Peer-reviewed	Non-random	509	N/A	37.7	407	Physician: 194 Nurse: 315	144
Cao et al. (2020)	China	Preprint	Non-random	102	97.1%	31.7, 6.8	77	Doctor: 40 Nurse: 54 Technician: 8	93
Chatterjee et al. (2020)	India	Peer-reviewed	Non-random	152	N/A	42.1, 12.2	33	Doctor (non-specialist): 44 Medical and allied professional: 58 Surgery and allied professional: 33 Administration: 17	N/A
Chen J et al. (2020)	China	Peer-reviewed	Non-random	902	N/A	N/A	619	Doctor: 541 Nurse: 311 Other: 48	N/A
Chen Y et al. (2020)	China	Peer-reviewed	Non-random	105	84.7%	32.6, 6.5	95	Medical worker: 105	N/A
Chew et al. (2020)	Singapore, India	Peer-reviewed	Non-random	906	N/A	29	583	Physician: 268 Nurse: 355 Allied health: 96 Technician: 40 Clerical staff: 56 Administration: 39 Maintenance: 52	
Choudhury et al. (2020)	UK	Peer-reviewed	Non-random	106	N/A	41	41	Physician: 23 Nurse and allied health: 23 Administration: 17	47
Chung et al. (2020)	China; Hong Kong	Peer-reviewed	Non-random	69	N/A	N/A	N/A	Doctor: 3 Nurse: 24 Allied health professional: 6 Administration: 23 Management: 2 Other: 3	N/A

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Consolo et al. (2020)	Italy	Peer-reviewed	Non-random	356	40.0%	N/A	141	Dentist: 356	N/A
Du et al. (2020)	China	Peer-reviewed	Non-random	134	43.1%	N/A	81	Doctor: 47 Nurse: 55 Support staff: 32	N/A
Elbay et al. (2020)	Turkey	Peer-reviewed	Non-random	442	N/A	36.1, 8.7	251	Surgical specialist: 75 Non-surgical specialist: 344 Basic medical sciences: 18	231
Evanoff et al. (2020)	USA	Peer-reviewed	Non-random	5,550	34.4%	N/A	4,374	Faculty: 870 Staff: 4,470 Post-doctoral scholars: 210	425
Gu et al. (2020)	China	Peer-reviewed	Non-random	564	100%	N/A	N/A	Nurse: 564	564
Guiroy et al. (2020)	Argentina, Brazil, Chile, Mexico	Peer-reviewed	Non-random	204	43.3%	47.8	7	Orthopaedist: 120 Neurosurgeon: 84	N/A
Guo et al. (2020)	China	Peer-reviewed	Non-random	11,118	N/A	N/A	8,316	Physician: 3,351 Nurse: 5,900 Medical student: 757 Medical assistant: 464 Administration: 450	3,351
Gupta et al. (2020)	India	Peer-reviewed	Non-random	123	N/A	N/A	N/A	Health professional: 123	N/A
Huang JZ et al. (2020)	China	Peer-reviewed	Random	230	93.5%	N/A	187	Doctor: 70 Nurse: 160	N/A
Huang Y et al. (2020)	China	Peer-reviewed	Non-random	2,250	N/A	N/A	N/A	Health professional: 2,250	N/A
Kounou et al. (2020)	Togo	Peer-reviewed	Non-random	62	N/A	N/A	35	Medical professional: 62	N/A
Lai et al. (2020)	China	Peer-reviewed	Random	1,257	68.7%	N/A	964	Physician: 493 Nurse: 764	522
Lam et al. (2020)	China; Hong Kong	Peer-reviewed	Non-random	932	N/A	N/A	701	Physician: 263 Nurse: 580 Other: 89	359
Li G et al. (2020)	China	Peer-reviewed	Non-random	4,369	82.2%	N/A	4,369	Doctor: 582 Nurse: 3,380 Medical technician: 407	N/A
Li J et al. (2020)	China	Preprint	Non-random	4,004	N/A	N/A	2,238	Public health worker: 6,317	N/A

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Li RL et al. (2020)	China	Peer-reviewed	Non-random	66	97.1%	N/A	51	Nurse: 66	66
Li Z et al. (2020)	China	Peer-reviewed	Random	130	97.7%	36.1, 5.6	121	Nurse: 130	130
Liu S et al. (2020)	China	Peer-reviewed	Non-random	6,588	N/A	N/A	4,370	Medical professional: 2,543 Nurse: 3,888 Allied health: 150 Auxiliary services: 27	N/A
Liu X et al. (2020)	China	Preprint	Non-random	258	N/A	N/A	173	Medical staff: 258	96
Liu Y et al. (2020)	China	Preprint	Non-random	1,315	N/A	37	999	Physician: 512 Nurse: 577 Technician: 120 Hygienist: 106	1,315
Liu Z et al. (2020)	China	Preprint	Non-random	4,679	N/A	35.9, 9	3,849	Doctor: 1,853 Nurse: 2,826	1,437
Lu et al. (2020)	China	Peer-reviewed	Non-random	2,042	N/A	N/A	1,785	Medical staff: 2,042	N/A
Lv et al. (2020)	China	Preprint	Non-random	8,028	N/A	N/A	N/A	Medical staff: 8,028	N/A
Naser et al. (2020)	Jordan	Peer-reviewed	Non-random	1,163	N/A	N/A	653	Physician: 560 General practitioner: 100 Nurse: 151 Allied health: 74 Pharmacist: 378	617
Ni et al. (2020)	China	Peer-reviewed	Non-random	214	N/A	N/A	148	Doctor: 81 Nurse: 108 Other: 25	55
Pouralizadeh et al. (2020)	Iran	Peer-reviewed	Non-random	441	N/A	36.3, 8.7	420	Nurse: 441	412
Qi et al. (2020)	China	Peer-reviewed	Non-random	400	100%	N/A	295	Nurse: 400	30
Que et al. (2020)	China	Peer-reviewed	Non-random	2,285	N/A	31.1	1,578	Physician: 860 Medical resident: 913 Nurse: 208 Technician: 179 Public health professional: 125	N/A
Rossi et al. (2020)	Italy	Peer-reviewed	Non-random	1,379	49.0%	39	1,064	Physician: 433 Nurse: 472 General practitioner: 86 Health care assistant: 112 Other: 275	725

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Salman et al. (2020)	Pakistan	Preprint	Non-random	398	N/A	28.7	215	Doctor: 205 Nurse: 133 Pharmacist: 60	N/A
Shechter et al. (2020)	USA	Peer-reviewed	Non-random	657	13.7%	N/A	509	Attending physician: 141 Resident or fellow: 141 Nurse: 313 Advanced practice provider: 48	N/A
Si et al. (2020)	China	Peer-reviewed	Non-random	863	76.0%	N/A	610	Doctor: 377 Nurse: 211 Other: 275	145
Song et al. (2020)	China	Peer-reviewed	Non-random	14,825	N/A	34	9,536	Physician: 6,093 Nurses: 8,732	N/A
Sun et al. (2020)	China	Peer-reviewed	Random	121	97.6%	35.1, 8.9	81	Doctor: 27 Nurse: 94	N/A
Sung et al. (2020)	Taiwan	Preprint	Non-random	1,795	N/A	36.7	1,435	Doctor: 357 Nurse: 1,064 Pharmacist: 20 Medical technician: 93 Radiation technician: 91	N/A
Taghizadeh et al. (2020)	Iran	Preprint	Non-random	487	59.0%	N/A	N/A	Doctor: 127 Nurse: 105 Health staff: 229 Lab staff: 26	N/A
Tang et al. (2020)	China	Peer-reviewed	Non-random	44	100%	33.6, 6.4	34	Nurse: 441	31
Temsah et al. (2020)	Saudi Arabia	Peer-reviewed	Non-random	582	71.8%	36	437	Senior physician: 56 Registrar physician: 52 Resident physician: 48 Intern: 34 Nurse and midwife: 363 Auxiliary services: 29	N/A
Tu et al. (2020)	China	Peer-reviewed	Random	100	100%	34.4	100	Nurse: 100	100
Wang Q et al. (2020)	China	Peer-reviewed	Non-random	342	N/A	N/A	314	Nurse: 342	N/A
Wang YX et al. (2020)	China	Peer-reviewed	Non-random	202	95.7%	N/A	177	Nurse: 202	N/A
Weilenmann et al. (2020)	Switzerland	Preprint	Non-random	1,410	N/A	34	934	Physician: 857 Nurse: 553	1,103
Xiao et al. (2020)	China	Peer-reviewed	Non-random	958	N/A	N/A	644	Physician: 378 Nurse: 359 Technician: 119	678

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Xie et al. (2020)	China	Peer-reviewed	Non-random	394	100%	38.8, 9.7	296	Doctor: 136 Nurse: 258	N/A
Yao et al. (2020)	China	Peer-reviewed	Non-random	95	N/A	N/A	82	Physician: 34 Nurse: 61	95
Ye et al. (2020)	China	Peer-reviewed	Non-random	2,140	99.6%	N/A	1,644	Nurse: 2,140	N/A
Yin et al. (2020)	China	Peer-reviewed	Non-random	1,266	97.5%	N/A	946	Doctor: 504 Nurse: 766	N/A
Zhang C et al. (2020)	China	Peer-reviewed	Non-random	1,563	N/A	N/A	1,293	Doctor: 454 Nurse: 984 Administration: 30 Other: 95	689
Zhang S et al. (2020)	Iran	Peer-review	Non-random	304	N/A	35.1	178	Health worker: 304	N/A
Zhang WR et al. (2020)	China	Peer-review	Non-random	927	N/A	N/A	678	Medical worker: 927 Non-medical worker: 1,255	138
Zhao YJ et al. (2020)	China	Peer-review	Non-random	209	99.5%	N/A	130	Chief physician: 2 Deputy chief physician: 18 Attending physician: 106 Resident physician: 52 General practitioner: 31	N/A
Zhao YP et al. (2020)	China	Peer-review	Non-random	380	N/A	31.8, 7.3	104	Nurse: 380	18
Zhou et al. (2020)	China	Preprint	Non-random	210	95.4%	30.5, 4.5	105	Doctor: 63 Nurse: 147	N/A
Zhu JR et al. (2020)	China	Peer-reviewed	Non-random	165	N/A	34.2, 8.1	137	Doctor: 79 Nurse: 86	N/A
Zhu S et al. (2020)	China	Peer-reviewed	Non-random	858	N/A	N/A	597	Frontline staff: 320 Non-frontline staff: 539	320

N/A = Information not provided in the article or non-applicable