|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No.  Table 1 supplementary. The raw data of each included study. | Author, years(reference) | Reference | Country of study | Study design | Sample size | Gender | | Mean age (year) | Severity | | | ICU | | Outcome | |
| M | F | No | Yes | Other | No | Yes | Survive | Died |
| 1 | Abbas et al 2020 | 19 | Pakistan | Cross-sectional | 127 | 114 | 13 | 41.6 | 91 | 36 | 0 | N | N | 126 | 1 |
| 2 | Abbas et al 2022 | 20 | Saudi Arabia | Cross-sectional | 50 | 32 | 18 | N | 0 | 24 | 26 | 24 | 26 | 38 | 12 |
| 3 | AbdelFattah et al 2023 | 21 | Egypt | Cohort | 150 | 78 | 72 | 54.5 | 60 | 18 | 72 | 75 | 75 | 96 | 54 |
| 4 | Abdelhakam et al 2021 | 22 | Egypt | Cross-sectional | 124 | 98 | 26 | 48.78 | 58 | 66 | 0 | N | N | N | N |
| 5 | Abeid et al 2022 | 23 | Iraq | Cohort | 96 | 44 | 52 | 58.3 | N | N | N | N | N | 66 | 30 |
| 6 | Abrishami et al 2021 | 24 | Iran | Cohort | 80 | 52 | 28 | 54.2 | N | N | N | N | N | 67 | 13 |
| 7 | Acar et al 2021 | 25 | Turkey | Cohort | 148 | 56 | 92 | 59.45 | N | N | N | 112 | 36 | 129 | 19 |
| 8 | Acehan et al 2021 | 26 | Turkey | Case Series | 613 | 358 | 255 | 59.04 | N | N | N | 448 | 165 | 560 | 53 |
| 9 | Adil et al 2020 | 27 | Pakistan | Cross-sectional | 61 | 53 | 8 | N | 47 | 14 | 0 | N | N | N | N |
| 10 | Aditianingsih et al 2023 | 28 | Indonesia | Cohort | 259 | 171 | 88 | N | N | N | N | N | N | 153 | 106 |
| 11 | Ahmad et al 2022 | 29 | Indonesia | Cross-sectional | 39 | 23 | 16 | N | 16 | 15 | 8 | N | N | N | N |
| 12 | Ahmed et al 2021 | 30 | Pakistan | Cross-sectional | 157 | 108 | 49 | N | 71 | 86 | 0 | N | N | 129 | 28 |
| 13 | Ahmed et al 2021 | 31 | Pakistan | Randomized Control Trial | 100 | 63 | 37 | 59.2 | 89 | 11 | 0 | N | N | N | N |
| 14 | Ahmed et al 2021 | 32 | Pakistan | Cohort | 136 | 101 | 35 | N | 62 | 74 | 0 | N | N | 115 | 21 |
| 15 | Ahmed et al 2022 | 33 | Egypt | Cross-sectional | 100 | 47 | 53 | 57.62 | N | N | N | N | N | 60 | 40 |
| 16 | Ahnach et al 2020 | 34 | Morocco | Cohort | 145 | 75 | 70 | 48.24 | 101 | 44 | 0 | N | N | 131 | 14 |
| 17 | Akan et al 2021 | 35 | Turkey | Cross-sectional | 160 | 79 | 81 | 56.1 | N | N | N | 125 | 35 | N | N |
| 18 | Aksakal et al 2023 | 36 | Turkey | Cohort | 90 | 47 | 43 | 58.5 | 60 | 30 | 0 | N | N | 84 | 6 |
| 19 | Aksit et al 2023 | 37 | Turkey | Cohort | 124 | 75 | 49 | 70.75 | 62 | 62 | 0 | N | N | 95 | 29 |
| 20 | Alaaluah et al 2022 | 38 | Iraq | Cross-sectional | 75 | 28 | 47 | 62.3 | N | N | N | N | N | 47 | 28 |
| 21 | Al-Aghbari et al 2023 | 39 | India | Cross-sectional | 444 | 300 | 144 | 54.4 | N | N | N | N | N | 308 | 136 |
| 22 | Alici et al 2021 | 40 | Turkey | Cohort | 221 | 90 | 131 | 60.4 | N | N | N | 122 | 99 | 168 | 53 |
| 23 | Allahverdiyev et al 2020 | 41 | Turkey | Cohort | 455 | 217 | 238 | 57 | N | N | N | 310 | 145 | 363 | 92 |
| 24 | Almasud et al 2023 | 42 | Saudi Arabia | Cohort | 123 | 56 | 67 | 56.2 | 83 | 40 | 0 | 83 | 40 | 55 | 26 |
| 25 | Aminy et al 2023 | 43 | Indonesia | Cohort | 224 | 115 | 109 | 54 | N | N | N | N | N | 165 | 59 |
| 26 | Andriani et al 2021 | 44 | Indonesia | Cohort | 50 | 34 | 16 | 49.8 | 12 | 25 | 13 | N | N | 15 | 35 |
| 27 | Antariska et al 2021 | 45 | Indonesia | Cohort | 110 | 76 | 34 | N | N | N | N | N | N | 46 | 64 |
| 28 | Apriningsih et al 2022 | 46 | Indonesia | Cohort | 66 | 33 | 33 | N | 31 | 4 | 31 | N | N | 62 | 4 |
| 29 | Arbănasi et al 2022 | 47 | Romania | Cohort | 510 | 305 | 205 | N | N | N | N | 223 | 287 | 396 | 114 |
| 30 | Aripova et al 2022 | 48 | Uzbekistan | Cohort | 108 | N | N | 58 | 80 | 28 | 0 | N | N | N | N |
| 31 | Arsentieva et al 2022 | 49 | Russia | Cohort | 29 | 17 | 12 | 62.1 | 21 | 8 | 0 | N | N | 13 | 16 |
| 32 | Arshad et al 2020 | 50 | Pakistan | Cross-sectional | 238 | 208 | 30 | 41.18 | 193 | 45 | 0 | N | N | 216 | 22 |
| 33 | Asif et al 2022 | 51 | Pakistan | Cohort | 100 | 63 | 37 | 56.82 | 37 | 63 | 0 | N | N | 89 | 11 |
| 34 | Astagimath et al 2022 | 52 | India | Cross-sectional | 3856 | 2646 | 1210 | N | 3717 | 139 | 0 | 3717 | 139 | N | N |
| 35 | Atlas et al 2021 | 53 | Turkey | Cohort | 102 | 71 | 31 | 69.1 | N | N | N | 0 | 102 | 24 | 78 |
| 36 | Avila-Nava et al 2021 | 54 | Mexico | Cohort | 38 | 28 | 10 | N | N | N | N | N | N | 24 | 14 |
| 37 | Awasthi et al 2022 | 55 | India | Cross-sectional | 150 | 106 | 44 | 48.4 | 95 | 55 | 0 | N | N | N | N |
| 38 | Ayalew et al 2022 | 56 | Ethiopia | Cohort | 105 | 66 | 39 | N | 7 | 26 | 72 | N | N | 78 | 27 |
| 39 | Bahadirli et al 2021 | 57 | Turkey | Cross-sectional | 273 | 147 | 126 | 53.35 | N | N | N | 220 | 53 | 245 | 28 |
| 40 | Bal et al 2020 | 58 | Turkey | Cohort | 61 | 36 | 25 | 58.55 | 24 | 25 | 12 | N | N | N | N |
| 41 | Balci et al 2021 | 59 | Turkey | Cohort | 94 | 56 | 38 | 59.35 | N | N | N | 48 | 46 | 68 | 26 |
| 42 | Batool et al 2021 | 60 | Pakistan | Cross-sectional | 1300 | 849 | 451 | 56 | 1095 | 197 | 8 | N | N | N | N |
| 43 | Bayram et al 2021 | 61 | Turkey | Cross-sectional | 748 | 338 | 410 | N | N | N | N | 680 | 68 | 701 | 47 |
| 44 | Belaid et al 2021 | 62 | Algeria | Cohort | 57 | 40 | 17 | 59.72 | 31 | 26 | 0 | N | N | 42 | 15 |
| 45 | Bellan et al 2021 | 63 | Italy | Cohort | 664 | 404 | 260 | 68.94 | N | N | N | N | N | 453 | 211 |
| 46 | Bendaraf et al 2022 | 64 | United Arab Emirates | Cohort | 106 | 52 | 54 | N | 12 | 83 | 11 | 40 | 66 | 75 | 31 |
| 47 | Bergantini et al 2023 | 65 | Italy | Cohort | 108 | 108 | 0 | N | 94 | 14 | 0 | N | N | N | N |
| 48 | Birben et al 2020 | 66 | Turkey | Cohort | 388 | 220 | 168 | N | N | N | N | 0 | 388 | 264 | 124 |
| 49 | Bombaci et al 2023 | 67 | Turkey | Cohort | 107 | 74 | 33 | 66.6 | N | N | N | 55 | 52 | 26 | 81 |
| 50 | Bozan et al 2021 | 68 | Turkey | Cross-sectional | 772 | 398 | 374 | 57.5 | N | N | N | 671 | 101 | 680 | 92 |
| 51 | Çakirca et al 2023 | 69 | Turkey | Case Series | 577 | 289 | 288 | N | N | N | N | 426 | 151 | N | N |
| 52 | Can et al 2021 | 70 | Turkey | Case control | 60 | 30 | 30 | N | 30 | 30 | 0 | 47 | 13 | 51 | 9 |
| 53 | Cardiero et al 2022 | 71 | Italy | Cohort | 195 | 94 | 101 | 51.84 | N | N | N | 156 | 39 | 185 | 10 |
| 54 | Çelikkol et al 2022 | 72 | Turkey | Cohort | 1124 | 642 | 472 | 55.97 | N | N | N | N | N | 900 | 224 |
| 55 | Chen et al 2023 | 73 | China | Cohort | 123 | 60 | 63 | 44.87 | N | N | N | 105 | 18 | N | N |
| 56 | Chen et al 2023 | 74 | Taiwan | Cross-sectional | 127 | 70 | 57 | N | 88 | 39 | 0 | N | N | N | N |
| 57 | Cheng et al 2020 | 75 | China | Cohort | 305 | 184 | 121 | 62.5 | N | N | N | N | N | 220 | 85 |
| 58 | Chiu et al 2023 | 76 | China | Cohort | 154 | 77 | 77 | 79.9 | 59 | 95 | 0 | 141 | 13 | 108 | 46 |
| 59 | Chopra et al 2023 | 77 | India | Cohort | 401 | 267 | 134 | 52.2 | 234 | 167 | 0 | N | N | 276 | 124 |
| 60 | Çınar et al 2023 | 78 | Turkey | Cohort | 60 | 34 | 26 | N | 30 | 30 | 0 | N | N | 42 | 18 |
| 61 | Çölkesen et al 2022 | 79 | Turkey | Cohort | 208 | 120 | 88 | 49.3 | N | N | N | N | N | 191 | 17 |
| 62 | Datta et al 2023 | 80 | India | Cross-sectional | 150 | 75 | 75 | N | 100 | 50 | 0 | N | N | 137 | 13 |
| 63 | de Oliveira et al 2023 | 81 | Brazil | Cross-sectional | 76 | 47 | 29 | N | 41 | 35 | 0 | 30 | 46 | 58 | 18 |
| 64 | Deng et al 2021 | 82 | China | Cohort | 100 | 58 | 42 | 65.17 | 17 | 40 | 43 | 0 | 100 | 50 | 50 |
| 65 | Deniz et al 2022 | 83 | Turkey | Cohort | 1077 | 576 | 501 | N | N | N | N | 1020 | 57 | 1048 | 29 |
| 66 | Devang et al 2022 | 84 | India | Cross-sectional | 190 | 105 | 85 | 53 | N | N | N | N | N | 142 | 48 |
| 67 | D'Souza's et al 2022 | 85 | India | Cohort | 597 | 382 | 215 | N | 428 | 168 | 1 | N | N | 506 | 91 |
| 68 | El-Desoky et al 2022 | 86 | Egypt | Case control | 132 | 56 | 76 | 61.6 | N | N | N | N | N | 75 | 57 |
| 69 | El-Khattab et al 2023 | 87 | Egypt | Cohort | 100 | 48 | 52 | 41.51 | 100 | 0 | 0 | 80 | 20 | 89 | 11 |
| 70 | Ergenç et al 2021 | 88 | Turkey | Cohort | 635 | 322 | 313 | 55.8 | N | N | N | N | N | 584 | 51 |
| 71 | Ergenç et al 2022 | 89 | Turkey | Cohort | 280 | 133 | 147 | 58.34 | 171 | 109 | 0 | N | N | 244 | 36 |
| 72 | Ergenc et al 2023 | 90 | Turkey | Cohort | 111 | 68 | 43 | 59.96 | 65 | 46 | 0 | N | N | 96 | 15 |
| 73 | Ertekin et al 2023 | 91 | Turkey | Cohort | 619 | 296 | 323 | 67.75 | 0 | 619 | 0 | N | N | 350 | 269 |
| 74 | Esa et al 2023 | 92 | Indonesia | Cross-sectional | 91 | N | N | N | 57 | 34 | 0 | N | N | N | N |
| 75 | Evlice et al 2022 | 93 | Turkey | Cohort | 347 | 179 | 168 | 59.7 | N | N | N | 312 | 35 | 318 | 29 |
| 76 | Făgărăsan et al 2023 | 94 | Romania | Cohort | 366 | 228 | 138 | 63.2 | 99 | 266 | 1 | 276 | 90 | 98 | 268 |
| 77 | Falih et al 2022 | 95 | Iraq | Cohort | 65 | 41 | 24 | N | 41 | 24 | 0 | N | N | N | N |
| 78 | Feng et al 2021 | 96 | United States | Cohort | 271 | 156 | 115 | N | N | N | N | 115 | 156 | 89 | 182 |
| 79 | Fu et al 2020 | 97 | China | Cohort | 35 | 13 | 22 | 47.94 | 22 | 13 | 0 | N | N | N | N |
| 80 | Gadotti et al 2020 | 98 | Brazil | Cohort | 56 | 39 | 17 | 60.29 | 48 | 8 | 0 | 23 | 33 | 38 | 18 |
| 81 | Gatselis et al 2022 | 99 | Greece | Cohort | 197 | 120 | 77 | 61 | 65 | 132 | 0 | N | N | N | N |
| 82 | Geraili et al 2022 | 100 | Iran | Cohort | 724 | 370 | 354 | N | N | N | N | 672 | 52 | 649 | 75 |
| 83 | Ghorbaninezhad et al 2022 | 101 | Iran | Cohort | 159 | 97 | 62 | N | N | N | N | 106 | 53 | 89 | 70 |
| 84 | Gjuzelova et al 2023 | 102 | North Macedonia | Cohort | 104 | 66 | 38 | 58.56 | 55 | 14 | 35 | N | N | 72 | 32 |
| 85 | Gohda et al 2022 | 103 | Japan | Cross-sectional | 80 | 58 | 22 | 68.9 | 40 | 40 | 0 | 40 | 40 | 55 | 25 |
| 86 | Gopalakrishnan et al 2022 | 104 | India | Cohort | 500 | 301 | 199 | 49.32 | 444 | 56 | 0 | N | N | 444 | 56 |
| 87 | Gormez et al 2020 | 105 | Turkey | Cohort | 247 | 154 | 93 | N | N | N | N | 199 | 48 | 243 | 4 |
| 88 | Hachim et al 2021 | 106 | United Arab Emirates | Cohort | 541 | 416 | 125 | 48.64 | 189 | 203 | 149 | 388 | 153 | N | N |
| 89 | Hafeez et al 2022 | 107 | Pakistan | Cohort | 136 | 77 | 59 | N | N | N | N | N | N | 92 | 44 |
| 90 | Halmaciu et al 2022 | 108 | Romania | Cohort | 267 | 159 | 108 | 71.19 | N | N | N | N | N | 185 | 82 |
| 91 | Hammad et al 2021 | 109 | Egypt | Cross-sectional | 64 | 36 | 28 | N | 30 | 34 | 0 | N | N | N | N |
| 92 | Haroun et al 2021 | 110 | Egypt | Case control | 150 | 89 | 61 | 49.43 | 98 | 52 | 0 | N | N | 124 | 26 |
| 93 | Harsini et al 2023 | 111 | Indonesia | Cohort | 74 | 41 | 33 | 53.07 | 51 | 12 | 11 | N | N | 51 | 23 |
| 94 | Hasanah et al 2022 | 112 | Indonesia | Cross-sectional | 70 | 31 | 39 | N | 47 | 23 | 0 | N | N | 67 | 3 |
| 95 | Hasegawa et al 2022 | 113 | Japan | Cohort | 108 | 68 | 40 | N | 78 | 30 | 0 | 104 | 4 | N | N |
| 96 | Hassan et al 2021 | 114 | Pakistan | Cohort | 350 | 173 | 177 | N | 250 | 100 | 0 | N | N | N | N |
| 97 | Hassan et al 2023 | 115 | Egypt | Cohort | 250 | 147 | 103 | 56.4 | N | N | N | 147 | 103 | 148 | 102 |
| 98 | Haydar et al 2022 | 116 | Turkey | Cohort | 131 | 73 | 58 | 67.8 | 61 | 70 | 0 | N | N | 61 | 70 |
| 99 | Hernández-Solis et al 2022 | 117 | Mexico | Cohort | 77 | 49 | 28 | N | 25 | 27 | 25 | N | N | 53 | 24 |
| 100 | Hilda et al 2022 | 118 | Indonesia | Cohort | 287 | 136 | 151 | N | 230 | 57 | 0 | N | N | 235 | 52 |
| 101 | Hosseinzadeh et al 2022 | 119 | Iran | Cohort | 200 | 110 | 90 | N | 132 | 68 | 0 | N | N | 187 | 13 |
| 102 | Huang et al 2020 | 120 | China | Cohort | 676 | 314 | 362 | 54.25 | N | N | N | N | N | 536 | 140 |
| 103 | Huyut et al 2023 | 121 | Turkey | Cohort | 2568 | 1290 | 1278 | N | N | N | N | N | N | 2336 | 232 |
| 104 | Isbaniah et al 2021 | 122 | Indonesia | Cohort | 214 | 130 | 84 | N | 51 | 163 | 0 | N | N | 154 | 60 |
| 105 | Islam et al 2023 | 123 | Bangladesh | Cohort | 61 | 31 | 30 | 49.29 | 41 | 20 | 0 | 41 | 20 | N | N |
| 106 | Jang et al 2021 | 124 | Republic of Korea | Cohort | 49 | 29 | 20 | 70.8 | 30 | 9 | 10 | 0 | 49 | 39 | 10 |
| 107 | Javed et al 2020 | 125 | Pakistan | Cross-sectional | 45 | 28 | 17 | 51.96 | 18 | 8 | 19 | N | N | N | N |
| 108 | Jin et al 2021 | 126 | China | Cohort | 135 | 71 | 64 | N | 110 | 25 | 0 | N | N | N | N |
| 109 | Katkat et al 2022 | 127 | Turkey | Cross-sectional | 442 | 247 | 195 | 58.02 | N | N | N | 352 | 90 | 393 | 49 |
| 110 | Kaya et al 2022 | 128 | Turkey | Cohort | 80 | 43 | 37 | 66.5 | N | N | N | 42 | 38 | N | N |
| 111 | Kaylon et al 2021 | 129 | Turkey | Case control | 175 | 72 | 103 | 73.5 | N | N | N | N | N | 117 | 58 |
| 112 | Khan et al 2022 | 130 | Pakistan | Cohort | 71 | 54 | 17 | N | N | N | N | N | N | 42 | 25 |
| 113 | Khurshid et al 2022 | 131 | Pakistan | Cross-sectional | 345 | 176 | 169 | N | 278 | 30 | 37 | N | N | N | N |
| 114 | Kilic et al 2022 | 132 | Turkey | Cohort | 517 | 276 | 241 | 72.4 | N | N | N | 376 | 141 | 320 | 197 |
| 115 | Kılıç et al 2023 | 133 | Turkey | Cohort | 458 | 242 | 216 | 72 | N | N | N | N | N | 275 | 183 |
| 116 | Kim et al 2022 | 134 | Republic of Korea | Cohort | 151 | 86 | 65 | 76.9 | N | N | N | N | N | 132 | 19 |
| 117 | Kocyigit et al 2021 | 135 | Turkey | Case control | 52 | 24 | 28 | 52.72 | 33 | 19 | 0 | N | N | N | N |
| 118 | Küçük et al 2022 | 136 | Turkey | Cohort | 316 | 197 | 119 | 70.4 | N | N | N | 0 | 316 | 135 | 181 |
| 119 | Küçükceran et al 2021 | 137 | Turkey | Cohort | 717 | 371 | 346 | 62.6 | N | N | N | 550 | 167 | 591 | 126 |
| 120 | Kuizon et al 2023 | 138 | Philippines | Case control | 162 | 98 | 64 | N | 91 | 68 | 3 | N | N | 107 | 55 |
| 121 | Kumari et al 2023 | 139 | India | Cohort | 7395 | 4656 | 2739 | 46.6 | N | N | N | 6946 | 449 | N | N |
| 122 | Kurri et al 2021 | 140 | India | Cohort | 84 | 66 | 18 | N | N | N | N | 0 | 84 | 54 | 30 |
| 123 | Kwon et al 2020 | 141 | Republic of Korea | Cohort | 31 | 13 | 18 | 50 | 23 | 8 | 0 | 26 | 5 | N | N |
| 124 | Lashin et al 2023 | 142 | Egypt | Cross-sectional | 75 | 32 | 43 | N | 25 | 25 | 25 | N | N | N | N |
| 125 | Le Borgne et al 2021 | 143 | France | Cohort | 1035 | 609 | 426 | 68.64 | 789 | 246 | 0 | 789 | 246 | 884 | 139 |
| 126 | Lee et al 2022 | 144 | Republic of Korea | Cohort | 283 | 132 | 151 | 64.9 | N | N | N | 261 | 22 | 265 | 18 |
| 127 | Lee et al 2023 | 145 | Republic of Korea | Cohort | 55 | 30 | 25 | 70.94 | 16 | 39 | 0 | 32 | 23 | 42 | 13 |
| 128 | Li et al 2020 | 146 | China | Cohort | 134 | 75 | 59 | 59.5 | 45 | 30 | 59 | N | N | 92 | 42 |
| 129 | Lino et al 2021 | 147 | Brazil | Cohort | 97 | 57 | 40 | 59.9 | N | N | N | N | N | 53 | 44 |
| 130 | Liu et al 2020 | 148 | China | Cohort | 294 | 162 | 132 | 53.89 | 202 | 92 | 0 | N | N | N | N |
| 131 | Luo et al 2020 | 149 | China | Cohort | 1018 | 521 | 497 | 59.6 | 645 | 164 | 209 | 845 | 173 | 817 | 201 |
| 132 | Mahmood et al 2022 | 150 | Pakistan | Cross-sectional | 50 | 29 | 21 | 65.2 | 24 | 26 | 0 | N | N | 31 | 19 |
| 133 | Marcoz-Jiménez et al 2021 | 151 | Spain | Cohort | 276 | 163 | 113 | 63.8 | 235 | 41 | 0 | N | N | N | N |
| 134 | Merza et al 2021 | 152 | Iraq | Cohort | 56 | 35 | 12 | N | 41 | 15 | 0 | N | N | 50 | 6 |
| 135 | Mesa et al 2021 | 153 | Spain | Cohort | 60 | 38 | 22 | N | 29 | 31 | 0 | 38 | 22 | 53 | 7 |
| 136 | Mezher et al 2023 | 154 | Iraq | Cross-sectional | 132 | 69 | 63 | N | 79 | 53 | 0 | N | N | N | N |
| 137 | Milenkovic et al 2022 | 155 | Serbia | Cohort | 318 | 219 | 99 | 68.6 | N | N | N | 0 | 318 | 123 | 195 |
| 138 | Mizrak et al 2021 | 156 | Turkey | Cohort | 173 | 107 | 66 | N | 77 | 92 | 4 | 0 | 173 | 90 | 83 |
| 139 | Mohamad et al 2023 | 157 | Egypt | Cross-sectional | 67 | 38 | 29 | N | N | N | N | 0 | 67 | 40 | 27 |
| 140 | Mohammadshahi et al 2023 | 158 | Iran | Cohort | 300 | 176 | 124 | 54.57 | 225 | 61 | 14 | N | N | 274 | 26 |
| 141 | Moisa et al 2021 | 159 | Romania | Cohort | 272 | 186 | 86 | 62.7 | N | N | N | 0 | 272 | 130 | 142 |
| 142 | Monserrat et al 2022 | 160 | Spain | Cohort | 286 | 186 | 100 | 63.9 | N | N | N | 251 | 35 | 249 | 37 |
| 143 | Moreira-Rosário et al 2021 | 161 | Portugal | Cross-sectional | 115 | 73 | 42 | 65.18 | 56 | 59 | 0 | 56 | 59 | N | N |
| 144 | Morfi et al 2023 | 162 | Indonesia | Cohort | 322 | 146 | 176 | N | 132 | 91 | 99 | N | N | 234 | 88 |
| 145 | Mortaz et al 2022 | 163 | Iran | Cohort | 44 | 23 | 21 | 57.1 | 26 | 18 | 0 | 26 | 18 | N | N |
| 146 | Mureşan et al 2022 | 164 | Romania | Cohort | 889 | 474 | 415 | 70.5 | N | N | N | N | N | 746 | 143 |
| 147 | Naqvi et al 2021 | 165 | Pakistan | Cross-sectional | 248 | 213 | 35 | 42.28 | 201 | 47 | 0 | N | N | 221 | 27 |
| 148 | Naznin et al 2021 | 166 | Bangladesh | Cross-sectional | 2418 | 2099 | 319 | N | N | N | N | 2081 | 337 | N | N |
| 149 | Nazri et al 2023 | 167 | Malaysia | Cohort | 153 | 73 | 80 | N | 35 | 118 | 0 | N | N | 120 | 33 |
| 150 | Norouzian et al 2022 | 168 | Iran | Cohort | 80 | 39 | 41 | 58.5 | N | N | N | 40 | 40 | 41 | 39 |
| 151 | Nurhayatun et al 2020 | 169 | Indonesia | Cohort | 49 | 31 | 18 | 49.33 | N | N | N | N | N | 41 | 8 |
| 152 | Oguz et al 2022 | 170 | Turkey | Cohort | 123 | 75 | 48 | 61.1 | 56 | 67 | 0 | 79 | 44 | 95 | 28 |
| 153 | Olivieri et al 2022 | 171 | Italy | Cohort | 641 | 266 | 375 | 86.6 | N | N | N | N | N | 421 | 220 |
| 154 | Onuk et al 2023 | 172 | Turkey | Cohort | 63 | 40 | 23 | N | N | N | N | 0 | 63 | 36 | 27 |
| 155 | Onur et al 2020 | 173 | Turkey | Cohort | 301 | 206 | 95 | 57 | N | N | N | N | N | 245 | 56 |
| 156 | Ortega-Rojas et al 2022 | 174 | Peru | Cohort | 262 | 188 | 74 | 71.05 | N | N | N | N | N | 82 | 180 |
| 157 | Özdemir et al 2021 | 175 | Turkey | Cohort | 103 | 57 | 46 | 54.9 | N | N | N | N | N | 98 | 5 |
| 158 | Özdemir et al 2023 | 176 | Turkey | Cohort | 470 | 232 | 238 | 67.5 | N | N | N | N | N | 358 | 112 |
| 159 | Ozdin et al 2022 | 177 | Turkey | Cross-sectional | 381 | 210 | 171 | N | 339 | 42 | 0 | N | N | N | N |
| 160 | Ozger et al 2021 | 178 | Turkey | Cohort | 37 | 24 | 13 | 61 | N | N | N | N | N | 29 | 8 |
| 161 | Ozsurekci et al 2021 | 179 | Turkey | Cohort | 30 | 14 | 16 | N | 19 | 11 | 0 | 23 | 7 | 29 | 1 |
| 162 | Pál et al 2022 | 180 | Romania | Cohort | 117 | 66 | 51 | N | N | N | N | N | N | 28 | 89 |
| 163 | Pandilov et al 2021 | 181 | North Macedonia | Cohort | 95 | 56 | 39 | N | N | N | N | N | N | 74 | 21 |
| 164 | Paranga et al 2023 | 182 | Romania | Cohort | 153 | 70 | 83 | N | 85 | 68 | 0 | N | N | 133 | 20 |
| 165 | Parimoo et al 2021 | 183 | India | Cohort | 142 | 81 | 61 | N | N | N | N | N | N | 87 | 55 |
| 166 | Peng et al 2022 | 184 | China | Cohort | 611 | 314 | 297 | 55.24 | N | N | N | N | N | 537 | 74 |
| 167 | Phan et al 2021 | 185 | France | Cohort | 81 | 59 | 22 | N | N | N | N | 41 | 40 | 61 | 20 |
| 168 | Pirsalehi et al 2020 | 186 | Iran | Cohort | 1320 | 804 | 516 | 52.15 | 1077 | 243 | 0 | 1261 | 59 | 1136 | 184 |
| 169 | Pramana et al 2022 | 187 | Indonesia | Case control | 66 | 42 | 24 | N | 33 | 33 | 0 | N | N | N | N |
| 170 | Prebensen et al 2023 | 188 | Norway | Cohort | 32 | 20 | 12 | N | 15 | 17 | 0 | 15 | 17 | 29 | 3 |
| 171 | Putra et al 2022 | 189 | Indonesia | Cross-sectional | 557 | N | N | N | N | N | N | N | N | 411 | 146 |
| 172 | Quan Liu et al 2020 | 190 | China | Cohort | 308 | 166 | 142 | N | 91 | 133 | 84 | N | N | 170 | 138 |
| 173 | Rahayu et al 2022 | 191 | Indonesia | Cohort | 80 | 35 | 45 | N | N | N | N | N | N | 57 | 23 |
| 174 | Rai et al 2022 | 192 | India | Cross-sectional | 984 | N | N | N | 748 | 236 | 0 | N | N | 730 | 254 |
| 175 | Raman et al 2021 | 193 | India | Cohort | 210 | 172 | 38 | 47 | 137 | 0 | 73 | N | N | 190 | 20 |
| 176 | Rasyid et al 2021 | 194 | Indonesia | Cohort | 295 | 207 | 88 | 47.4 | N | N | N | 250 | 45 | 264 | 31 |
| 177 | Rehman et al 2023 | 195 | Pakistan | Cohort | 200 | 107 | 93 | N | 100 | 100 | 0 | N | N | 84 | 116 |
| 178 | Rizo-Tellez 2021 | 196 | Mexico | Cohort | 54 | 28 | 26 | N | N | N | N | N | N | 34 | 20 |
| 179 | Rizo-Tellez et al 2021 | 197 | Mexico | Cross-sectional | 378 | 241 | 137 | 54 | N | N | N | 235 | 143 | 255 | 123 |
| 180 | Sai et al 2021 | 198 | India | Cohort | 508 | 338 | 170 | 43.79 | 430 | 78 | 0 | N | N | 480 | 28 |
| 181 | Sakthivadivel et al 2021 | 199 | India | Cross-sectional | 272 | 201 | 71 | N | 139 | 89 | 44 | N | N | 244 | 28 |
| 182 | Salehi et al 2023 | 200 | Iran | Case control | 249 | N | N | 59.11 | N | N | N | 140 | 109 | N | N |
| 183 | Sanchez-de Prada et al 2022 | 201 | Spain | Cohort | 108 | 59 | 49 | N | N | N | N | 75 | 33 | 88 | 20 |
| 184 | Saputra et al 2023 | 202 | Indonesia | Cohort | 195 | 114 | 81 | 57.38 | 30 | 153 | 12 | N | N | 100 | 95 |
| 185 | Sari et al 2022 | 203 | Turkey | Cross-sectional | 1597 | 896 | 701 | 45.98 | N | N | N | N | N | 1545 | 52 |
| 186 | Sarraf et al 2023 | 204 | India | Cross-sectional | 125 | 90 | 35 | N | 40 | 85 | 0 | N | N | N | N |
| 187 | Satilmis et al 2023 | 205 | Turkey | Cohort | 795 | 447 | 348 | 51.18 | N | N | N | 744 | 51 | 772 | 23 |
| 188 | Satış et al 2021 | 206 | Turkey | Cohort | 58 | 29 | 29 | N | 27 | 11 | 20 | 49 | 9 | 55 | 3 |
| 189 | Saylik et al 2021 | 207 | Turkey | Cohort | 176 | 51 | 125 | N | N | N | N | 92 | 84 | 125 | 51 |
| 190 | Selanno et al 2021 | 208 | Indonesia | Cross-sectional | 376 | 179 | 197 | N | 327 | 49 | 0 | N | N | N | N |
| 191 | Senol 2022 | 209 | Turkey | Cohort | 588 | 335 | 253 | 69.9 | N | N | N | 108 | 480 | 309 | 279 |
| 192 | Serin et al 2020 | 210 | Turkey | Cohort | 2217 | 1175 | 1042 | 47.66 | N | N | N | N | N | 2149 | 68 |
| 193 | Seyfi et al 2023 | 211 | Iran | Cross-sectional | 312 | N | N | N | 0 | 312 | 0 | 0 | 312 | 154 | 158 |
| 194 | Shalaby et al 2023 | 212 | Egypt | Cohort | 60 | 33 | 27 | 49.18 | 39 | 21 | 0 | 41 | 19 | 50 | 10 |
| 195 | Shamseldeen et al 2022 | 213 | Egypt | Cross-sectional | 56 | 34 | 22 | 60.52 | 20 | 36 | 0 | N | N | N | N |
| 196 | Sharif-Askari et al 2022 | 214 | United Arab Emirates | Cohort | 201 | 157 | 44 | N | 81 | 53 | 67 | N | N | N | N |
| 197 | Shetty et al 2021 | 215 | India | Cohort | 1977 | N | N | 43.89 | N | N | N | N | N | 1839 | 138 |
| 198 | Shokri-Afra et al2022 | 216 | Iran | Cohort | 76 | 39 | 37 | N | 55 | 21 | 0 | N | N | 72 | 4 |
| 199 | Shrivastava et al 2021 | 217 | India | Case control | 86 | 52 | 34 | N | 32 | 31 | 23 | N | N | N | N |
| 200 | Singh et al 2021 | 218 | India | Cohort | 201 | 131 | 70 | N | 108 | 93 | 0 | N | N | 110 | 91 |
| 201 | Smail et al 2023 | 219 | Iraq | Cohort | 120 | 60 | 60 | 45.9 | 54 | 40 | 26 | 54 | 66 | 94 | 26 |
| 202 | Smail et al 2023 | 220 | Iraq | Cohort | 180 | 99 | 81 | 43.92 | 81 | 60 | 39 | N | N | N | N |
| 203 | Solimando et al 2021 | 221 | Italy | Case control | 95 | 63 | 32 | N | N | N | N | 70 | 25 | N | N |
| 204 | Soltani‑Zangbar et al 2022 | 222 | Iran | Cohort | 100 | 54 | 46 | N | 50 | 50 | 0 | N | N | N | N |
| 205 | Suastika et al 2021 | 223 | Indonesia | Cohort | 411 | 262 | 149 | 41.4 | 313 | 98 | 0 | N | N | N | N |
| 206 | Suhartono et al 2021 | 224 | Indonesia | Cohort | 95 | 58 | 37 | N | 55 | 40 | 0 | N | N | 72 | 23 |
| 207 | Sukrisman et al 2021 | 225 | Indonesia | Cross-sectional | 194 | 121 | 73 | 50.9 | 103 | 6 | 85 | N | N | N | N |
| 208 | Suliman et al 2022 | 226 | Egypt | Cohort | 70 | N | N | 50 | 48 | 22 | 0 | N | N | N | N |
| 209 | Szabo et al 2022 | 227 | Romania | Cross-sectional | 24 | 14 | 10 | N | N | N | N | 0 | 24 | 13 | 11 |
| 210 | Taghiloo et al 2020 | 228 | Iran | Cohort | 61 | 37 | 24 | 60.18 | 39 | 22 | 0 | N | N | N | N |
| 211 | Tamayo-Velasco et al 2021 | 229 | Spain | Cohort | 108 | 57 | 51 | N | 60 | 16 | 32 | N | N | 84 | 24 |
| 212 | Tamim et al 2022 | 230 | Egypt | Case control | 46 | 28 | 18 | 57.7 | 26 | 20 | 0 | N | N | 39 | 7 |
| 213 | Tang et al 2021 | 231 | China | Cohort | 71 | 27 | 44 | 58.23 | 30 | 15 | 26 | 63 | 8 | 61 | 10 |
| 214 | Tanriverdi et al 2023 | 232 | Turkey | Cohort | 90 | 48 | 42 | 54.43 | 30 | 31 | 29 | N | N | N | N |
| 215 | Taşkin et al 2023 | 233 | Turkey | Cohort | 611 | 380 | 231 | 72 | N | N | N | N | N | 164 | 447 |
| 216 | Tawfik et al 2022 | 234 | Egypt | Cohort | 114 | 63 | 51 | 73.61 | N | N | N | 0 | 114 | 57 | 57 |
| 217 | Terra et al 2022 | 235 | Brazil | Cohort | 119 | 75 | 44 | N | N | N | N | 0 | 119 | 80 | 39 |
| 218 | Thungthienthong et al 2023 | 236 | Thailand | Cohort | 215 | 105 | 110 | 61.65 | N | N | N | N | N | 152 | 63 |
| 219 | Tilch et al 2021 | 237 | Mexico | Cohort | 50 | 40 | 10 | 51 | N | N | N | N | N | 32 | 18 |
| 220 | Tjahyadi et al 2020 | 238 | Indonesia | Cohort | 69 | 38 | 31 | N | 26 | 43 | 0 | N | N | 43 | 19 |
| 221 | Topcu et al 2022 | 239 | Turkey | Cohort | 245 | 129 | 116 | N | N | N | N | 222 | 23 | 221 | 24 |
| 222 | Torun et al 2021 | 240 | Turkey | Cohort | 188 | 93 | 95 | N | 112 | 70 | 6 | N | N | N | N |
| 223 | Turda et al 2023 | 241 | Turkey | Cohort | 83 | 61 | 22 | N | N | N | N | 0 | 83 | 25 | 58 |
| 224 | Uzum et al 2023 | 242 | Turkey | Cohort | 272 | 144 | 128 | 65 | 158 | 114 | 0 | 209 | 63 | 221 | 51 |
| 225 | Vadi et al 2023 | 243 | India | Cohort | 156 | 116 | 40 | 64.9 | N | N | N | 0 | 156 | 38 | 118 |
| 226 | Vaseie et al 2022 | 244 | Iran | Cross-sectional | 213 | N | N | N | N | N | N | N | N | 138 | 75 |
| 227 | Vastani et al 2022 | 245 | Iran | Cross-sectional | 50 | 40 | 10 | N | N | N | N | N | N | 24 | 26 |
| 228 | Vidal-Cevallos et al 2021 | 246 | Mexico | Cohort | 377 | N | N | N | N | N | N | N | N | 298 | 79 |
| 229 | Visuddho et al 2021 | 247 | Indonesia | Cohort | 341 | 189 | 152 | 53.3 | N | N | N | N | N | 193 | 148 |
| 230 | Vuillaume et al 2021 | 248 | France | Cohort | 1035 | 609 | 426 | 68.65 | 789 | 246 | 0 | 789 | 246 | 896 | 139 |
| 231 | Wang et al 2020 | 249 | China | Cohort | 131 | 56 | 75 | 63.65 | 111 | 20 | 0 | N | N | 119 | 12 |
| 232 | Yağcı et al 2021 | 250 | Turkey | Cross-sectional | 59 | 41 | 18 | N | 18 | 19 | 22 | 0 | 59 | 36 | 23 |
| 233 | Yilmaz et al 2021 | 251 | Turkey | Cohort | 1175 | 607 | 568 | 61.95 | N | N | N | 922 | 253 | 889 | 286 |
| 234 | Yu et al 2020 | 252 | China | Cohort | 1561 | 780 | 781 | 60.59 | 1196 | 365 | 0 | N | N | N | N |
| 235 | Yurt et al 2023 | 253 | Turkey | Cohort | 309 | 155 | 154 | 60.94 | 191 | 76 | 42 | N | N | 271 | 38 |
| 236 | Zakeri et al 2022 | 254 | Iran | Cohort | 150 | 77 | 73 | 60.92 | N | N | N | 0 | 150 | 77 | 73 |
| 237 | Zhang et al 2022 | 255 | China | Cohort | 184 | 82 | 102 | N | 144 | 40 | 0 | N | N | N | N |
| 238 | Zhao et al 2020 | 256 | China | Cohort | 50 | 30 | 20 | 55 | 19 | 18 | 13 | N | N | 43 | 7 |
| 239 | Zhou et al 2020 | 257 | China | Cohort | 50 | 29 | 21 | N | 38 | 12 | 0 | N | N | N | N |
| 240 | Zhu et al 2021 | 258 | China | Cohort | 163 | 82 | 81 | 59.09 | N | N | N | N | N | 130 | 33 |
| 241 | Zope et al 2022 | 259 | India | Cross-sectional | 150 | 90 | 60 | 49.55 | 86 | 64 | 0 | N | N | N | N |

M; male, F; female, N: non-available, ICU; intensive care unit