Study	Study Size	Study Size	Prevalence with 95% CI	Weight (%)
10-19				
Lu *et al*, 2020	965		34.40 [30.12, 39.29]	0.59
Zhou *et al*, 2020	11835		34.40 [33.12, 35.73]	0.59
Heterogeneity: $\tau^2 = 0.00$, $I^2 = 0.00\%$, $H^2 = 1.00$			34.40 [33.17, 35.68]	
Test of $\theta_i = \theta_j$: Q(1) = 0.00, p = 1.00				
20-29				
Yang *et al*, 2020	54		50.00 [29.33, 85.24]	0.55
Mekonen *et al*, 2020	302		69.60 [54.47, 88.94]	0.58
Chew *et al*, 2020	906		7.95 [6.25, 10.11]	0.58
Khanal *et al*, 2020	475		18.30 [14.50, 23.09]	0.58
Hyun *et al*, 2020	908		13.11 [10.81, 15.90]	0.59
Duong *et al*, 2020	1385		14.10 [12.12, 16.40]	0.59
Odriozola-Gonzalez *et al*, 2020	2530		7.98 [6.91, 9.21]	0.59
Wang *et al*, 2020	951		51.60 [45.44, 58.60]	0.59
Pandey *et al*, 2020	1395		22.40 [19.75, 25.40]	0.59
Omari *et al*, 2020	1057		40.40 [35.73, 45.68]	0.59
Thomas *et al*, 2020	1039		55.70 [49.28, 62.95]	0.59
Huang *et al*, 2020	1172		33.02 [29.24, 37.29]	0.59
Cellini *et al*, 2020	1310		32.60 [29.04, 36.59]	0.59
Islam *et al*, 2020	1311		37.30 [33.35, 41.72]	0.59
Banna *et al*, 2020	1427		33.70 [30.20, 37.61]	0.59
Kwong *et al*, 2020	2872		12.97 [11.63, 14.46]	0.59
Lechner *et al*, 2020	4276		9.31 [8.40, 10.32]	0.59
Ran *et al*, 2020	1770		31.90 [28.87, 35.25]	0.59
Kwong *et al*, 2020	2872		24.35 [22.36, 26.52]	0.59
Wang *et al*, 2020	4752		45.70 [43.16, 48.38]	0.59
Massad *et al*, 2020	5274		38.40 [36.33, 40.59]	0.59
Heterogeneity: $\tau^2 = 0.43$, $I^2 = 99.25\%$, $H^2 = 134.20$			25.70 [19.38, 34.08]	
Test of $\theta_i = \theta_j$: Q(20) = 1941.14, p = 0.00				
30-39				
Sun *et al*, 2020	536		0.37 [0.09, 1.49]	0.37
Mahyijari *et al*, 2020	150		6.67 [3.51, 12.67]	0.53

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Shetchter *et al*, 2020	141	15.00 [9.45, 23.81]	0.56
Xiao *et al*, 2020	170	87.65 [55.50, 138.41]	0.56
Shetchter *et al*, 2020	141	17.00 [10.96, 26.38]	0.56
Smith *et al*, 2020	278	8.27 [5.40, 12.67]	0.56
Crowe *et al*, 2020	109	67.90 [45.42, 101.51]	0.57
Roma *et al*, 2020	439	7.52 [5.27, 10.72]	0.57
Zhang *et al*, 2020	2143	1.59 [1.13, 2.23]	0.57
Shah *et al*, 2020	207	24.60 [17.93, 33.75]	0.58
Than *et al*, 2020	173	33.50 [24.43, 45.94]	0.58
Setiawti *et al*, 2021	227	39.60 [30.35, 51.67]	0.58
Setiawti *et al*, 2021	227	43.60 [33.54, 56.68]	0.58
Mosolova *et al*, 2020	1090	6.79 [5.36, 8.60]	0.58
Ozdin *et al*, 2020	343	28.28 [22.36, 35.77]	0.58
Silva *et al*, 2020	348	28.74 [22.79, 36.25]	0.58
Prasad *et al*, 2020	347	69.50 [55.30, 87.34]	0.58
Francisco *et al*, 2020	767	11.47 [9.19, 14.32]	0.58
Yuan *et al*, 2020	3517	2.30 [1.84, 2.87]	0.58
Shetchter *et al*, 2020	361	40.00 [32.41, 49.38]	0.59
Juan *et al*, 2020	456	31.60 [25.94, 38.50]	0.59
Cenat *et al*, 2021	1267	9.41 [7.79, 11.36]	0.59
Sediri *et al*, 2020	751	79.20 [66.40, 94.46]	0.59
Hazarika *et al*, 2021	541	35.50 [29.77, 42.34]	0.59
AlAteeq *et al*, 2020	502	51.40 [43.15, 61.23]	0.59
Monterrosa-Castro *et al*, 2020	531	39.30 [33.02, 46.78]	0.59
Youssef *et al*, 2020	540	42.60 [35.92, 50.52]	0.59
Wang *et al*, 2020	2794	6.20 [5.32, 7.23]	0.59
Idrissi *et al*, 2020	846	29.50 [25.45, 34.20]	0.59
Cenat *et al*, 2021	1267	16.67 [14.38, 19.32]	0.59
Wang *et al*, 2020	1397	15.20 [13.13, 17.59]	0.59
Kar *et al*, 2020	733	47.50 [41.09, 54.91]	0.59
Silva *et al*, 2020	806	46.41 [40.41, 53.30]	0.59
Alamri *et al*, 2020	1597	16.40 [14.37, 18.72]	0.59

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McCracken *et al*, 2020	1212		24.20 [21.22, 27.60]	0.59
Bendau *et al*, 2020	1328		24.90 [21.99, 28.20]	0.59
Cenat *et al*, 2021	1267		29.29 [25.95, 33.06]	0.59
Bendau *et al*, 2020	1512		24.50 [21.79, 27.55]	0.59
Cenat *et al*, 2021	1267		38.53 [34.41, 43.15]	0.59
Bendau *et al*, 2020	1804		29.20 [26.38, 32.32]	0.59
Tee *et al*, 2020	1879		28.80 [26.06, 31.82]	0.59
Bendau *et al*, 2020	1855		36.40 [33.12, 40.01]	0.59
Johnson *et al*, 2020	1733		45.70 [41.58, 50.23]	0.59
Guo *et al*, 2020	2331		25.40 [23.14, 27.88]	0.59
Lu *et al*, 2020	1970		43.40 [39.70, 47.44]	0.59
Traunmuller *et al*, 2020	4126		18.30 [16.91, 19.80]	0.59
Cansel *et al*, 2021	3549		26.60 [24.69, 28.66]	0.59
Hetkamp *et al*, 2020	16245		7.20 [6.78, 7.64]	0.59
Xiaoming *et al*, 2020	8817		20.70 [19.66, 21.79]	0.59
Jiang *et al*, 2020	60199		97.47 [92.64, 102.56]	0.59
Franceschini *et al*, 2020	6439		52.60 [50.09, 55.24]	0.59
Huang *et al*, 2020	7236		35.10 [33.45, 36.84]	0.59
Rossi *et al*, 2020	21342		21.25 [20.56, 21.96]	0.59
Heterogeneity: $\tau^2 = 0.82$, $I^2 = 99.64\%$, $H^2 = 279.76$			22.86 [17.86, 29.26]	
Test of $\theta_i = \theta_j$: Q(52) = 8086.44, p = 0.00				

40-49

Rapisarda *et al*, 2020	241		2.07 [0.85, 5.02]	0.48
McKay *et al*, 2020	908		0.88 [0.44, 1.77]	0.52
Trumello *et al*, 2020	321		7.29 [4.79, 11.10]	0.56
Trumello *et al*, 2020	306		15.99 [11.78, 21.71]	0.58
Dawel *et al*, 2020	1296		3.78 [2.84, 5.03]	0.58
Wright *et al*, 2020	571		17.30 [13.93, 21.49]	0.58
Cheng *et al*, 2020	435		42.00 [34.72, 50.81]	0.59
Faulker *et al*, 2020	8425		1.44 [1.20, 1.72]	0.59
Gorini *et al*, 2020	650		29.70 [25.10, 35.14]	0.59
Hummel *et al*, 2021	609		36.62 [31.05, 43.18]	0.59

Cheng *et al*, 2020	573		46.00 [39.03, 54.21]	0.59
Cheng *et al*, 2020	623		60.00 [51.11, 70.43]	0.59
Cheng *et al*, 2020	647		61.00 [52.09, 71.44]	0.59
Riello *et al*, 2020	1071		22.00 [19.04, 25.42]	0.59
Florin *et al*, 2020	1515		14.60 [12.66, 16.84]	0.59
Barzilay *et al*, 2020	1350		22.00 [19.34, 25.02]	0.59
Winkler *et al*, 2020	3306		7.79 [6.86, 8.85]	0.59
Rathod *et al*, 2020	3933		8.20 [7.32, 9.19]	0.59
Varma *et al*, 2020	1653		59.00 [53.49, 65.08]	0.59
Rathod *et al*, 2020	3984		12.99 [11.84, 14.25]	0.59
Wanigasooriya *et al*, 2020	2638		34.30 [31.65, 37.17]	0.59
Winkler *et al*, 2020	3021		29.63 [27.40, 32.04]	0.59
Benke *et al*, 2020	4335		29.40 [27.54, 31.39]	0.59

Heterogeneity: $\tau^2 = 1.36$, $I^2 = 99.66\%$, $H^2 = 298.06$ — 15.59 [9.65, 25.17]
Test of $\theta_i = \theta_j$: Q(22) = 2977.51, p = 0.00

50-59
Puccinelli *et al*, 2021	57		22.80 [12.28, 42.33]	0.53
Puccinelli *et al*, 2021	57		64.90 [37.67, 111.81]	0.54
Shermna *et al*, 2020	591		16.58 [13.35, 20.59]	0.58
Duncan *et al*, 2020	3971		3.60 [3.05, 4.25]	0.59
Robillard *et al*, 2021	2651		23.10 [21.11, 25.28]	0.59
O'Connor *et al*, 2020	3077		21.00 [19.26, 22.90]	0.59
Robillard *et al*, 2021	2651		34.70 [32.03, 37.59]	0.59

Heterogeneity: $\tau^2 = 0.76$, $I^2 = 99.42\%$, $H^2 = 171.78$ — 20.13 [10.43, 38.84]
Test of $\theta_i = \theta_j$: Q(6) = 600.13, p = 0.00

60-69
Hamm *et al*, 2020	73		82.19 [45.13, 149.70]	0.53
Creese *et al*, 2020	3281		2.20 [1.74, 2.78]	0.58
Creese *et al*, 2020	3281		2.70 [2.19, 3.33]	0.59

Heterogeneity: $\tau^2 = 4.04$, $I^2 = 99.47\%$, $H^2 = 188.32$ — 7.75 [0.79, 76.29]
Test of $\theta_i = \theta_j$: Q(2) = 124.74, p = 0.00

Overall — 20.94 [17.46, 25.13]
Heterogeneity: $\tau^2 = 0.92$, $I^2 = 99.67\%$, $H^2 = 299.53$
Test of $\theta_i = \theta_j$: Q(108) = 14944.59, p = 0.00

Test of group differences: $Q_b(5) = 28.14$, p = 0.00

1/8   1   8   64

Random-effects REML model
Sorted by: _meta_se

Supplementary Figure 1 Subgroup analysis for the prevalence of anxiety caused by SARS-CoV-2 (by age).

Study	Study Size		Prevalence with 95% CI	Weight (%)
10-19				
Lu *et al*, 2020	965		45.70 [40.26, 51.87]	0.85
Zhou *et al*, 2020	8079		43.70 [41.82, 45.66]	0.86
Heterogeneity: $\tau^2 = 0.00$, $I^2 = 0.00\%$, $H^2 = 1.00$			43.91 [42.12, 45.77]	
Test of $\theta_i = \theta_j$: Q(1) = 0.43, p = 0.51				
20-29				
Yang *et al*, 2020	54		11.10 [4.75, 25.95]	0.59
Saracoglu *et al*, 2020	208		89.90 [57.27, 141.13]	0.76
Eweida *et al*, 2020	150		62.70 [45.04, 87.29]	0.80
Khanal *et al*, 2020	475		13.50 [10.38, 17.56]	0.82
Mekonen *et al*, 2020	302		55.30 [44.08, 69.38]	0.83
Khanal *et al*, 2020	475		24.00 [19.44, 29.63]	0.83
Bartoszek *et al*, 2020	471		32.45 [26.76, 39.35]	0.84
Tang *et al*, 2020	2501		9.00 [7.85, 10.32]	0.85
Cellini *et al*, 2020	1310		24.20 [21.33, 27.46]	0.85
Ni *et al*, 2020	1577		19.21 [16.95, 21.77]	0.85
Duong *et al*, 2020	1385		23.50 [20.76, 26.61]	0.85
Thomas *et al*, 2020	1039		58.40 [51.62, 66.07]	0.85
Omari *et al*, 2020	1057		57.00 [50.47, 64.38]	0.85
Pandey *et al*, 2020	1395		30.50 [27.21, 34.18]	0.85
Brailovskaia *et al*, 2021	1931		22.94 [20.63, 25.51]	0.85
Banna *et al*, 2020	1427		57.90 [52.12, 64.32]	0.85
Kwong *et al*, 2020	2872		18.14 [16.50, 19.95]	0.85
Ran *et al*, 2020	1770		47.10 [42.90, 51.71]	0.85
Kwong *et al*, 2020	2872		24.35 [22.36, 26.52]	0.85
Wang *et al*, 2020	4752		51.50 [48.65, 54.51]	0.86
Mamun *et al*, 2021	10067		33.30 [31.95, 34.71]	0.86
Heterogeneity: $\tau^2 = 0.34$, $I^2 = 99.12\%$, $H^2 = 113.98$			31.03 [24.04, 40.04]	
Test of $\theta_i = \theta_j$: Q(20) = 1390.80, p = 0.00				
30-39				
Peng *et al*, 2020	139		86.63 [53.15, 141.19]	0.75
Arac *et al*, 2020	100		73.77 [47.25, 115.18]	0.76
Arac *et al*, 2020	98		29.70 [19.26, 45.81]	0.77
Crowe *et al*, 2020	109		57.80 [39.52, 84.53]	0.79
Shah *et al*, 2020	207		15.90 [10.95, 23.08]	0.79
Shah *et al*, 2020	207		15.90 [10.95, 23.08]	0.79
Than *et al*, 2020	173		20.20 [13.94, 29.28]	0.79
Mahamid *et al*, 2021	400		88.38 [65.09, 119.99]	0.81
Francisco *et al*, 2020	767		5.72 [4.22, 7.76]	0.81
Prasad *et al*, 2020	347		22.80 [17.74, 29.30]	0.82
Roma *et al*, 2020	439		17.82 [13.96, 22.75]	0.83
Ozdin *et al*, 2020	343		37.85 [30.43, 47.08]	0.83
Silva *et al*, 2020	348		40.81 [32.96, 50.54]	0.83
Juan *et al*, 2020	456		29.60 [24.21, 36.19]	0.84
Cai *et al*, 2020	1173		10.10 [8.35, 12.21]	0.84
Sediri *et al*, 2020	751		82.30 [68.24, 99.26]	0.84
Hazarika *et al*, 2021	541		32.00 [26.71, 38.34]	0.84
Azoulay *et al*, 2020	498		40.60 [33.95, 48.55]	0.84
Youssef *et al*, 2020	540		50.10 [42.32, 59.31]	0.84
Cai *et al*, 2020	1173		14.30 [12.14, 16.84]	0.84
Wang *et al*, 2020	1397		15.20 [13.13, 17.59]	0.85
Silva *et al*, 2020	806		60.43 [52.47, 69.59]	0.85
Idrissi *et al*, 2020	846		35.60 [30.93, 40.98]	0.85
Bendau *et al*, 2020	1328		25.30 [22.36, 28.63]	0.85
McCracken *et al*, 2020	1212		30.00 [26.53, 33.92]	0.85
Tee *et al*, 2020	1879		16.90 [14.98, 19.07]	0.85
Bendau *et al*, 2020	1512		25.20 [22.44, 28.30]	0.85
Fountoulakis *et al*, 2021	3399		9.31 [8.29, 10.45]	0.85
Alamri *et al*, 2020	1597		28.90 [25.94, 32.20]	0.85
Bendau *et al*, 2020	1804		30.50 [27.59, 33.72]	0.85
Guo *et al*, 2020	2331		21.30 [19.29, 23.52]	0.85
Bendau *et al*, 2020	1855		32.70 [29.68, 36.03]	0.85
Johnson *et al*, 2020	1733		56.30 [51.20, 61.91]	0.85
Peng *et al*, 2020	2098		35.80 [32.74, 39.14]	0.85
Cansel *et al*, 2021	3549		34.30 [32.00, 36.76]	0.85
Traunmuller *et al*, 2020	4126		45.65 [42.94, 48.53]	0.86
Huang *et al*, 2020	7236		20.10 [18.98, 21.29]	0.86
Gao *et al*, 2020	4827		48.30 [45.65, 51.11]	0.86
Franceschini *et al*, 2020	6439		67.90 [64.44, 71.55]	0.86
Xiaoming *et al*, 2020	8817		20.20 [19.18, 21.28]	0.86
Song *et al*, 2020	14825		25.20 [24.28, 26.15]	0.86
Jiang *et al*, 2020	60199		80.02 [78.44, 81.63]	0.86
Heterogeneity: $\tau^2 = 0.38$, $I^2 = 99.48\%$, $H^2 = 193.40$			30.40 [25.15, 36.74]	
Test of $\theta_i = \theta_j$: Q(41) = 8824.58, p = 0.00				
40-49				
Martinotti *et al*, 2020	119		28.56 [19.19, 42.51]	0.78
Smith *et al*, 2020	278		15.87 [11.50, 21.89]	0.80
Wright *et al*, 2020	571		20.10 [16.38, 24.67]	0.84
Gorini *et al*, 2020	650		22.80 [18.98, 27.39]	0.84
Hummel *et al*, 2021	609		55.38 [47.20, 64.97]	0.84
Florin *et al*, 2020	1515		12.50 [10.73, 14.56]	0.84
Faulker *et al*, 2020	8425		2.07 [1.78, 2.40]	0.85
Kar *et al*, 2020	733		39.40 [33.97, 45.69]	0.85
Barzilay *et al*, 2020	1350		16.00 [13.83, 18.51]	0.85
Varma *et al*, 2020	1653		34.90 [31.54, 38.61]	0.85
Fukase *et al*, 2021	2708		18.35 [16.65, 20.23]	0.85
Wanigasooriya *et al*, 2020	2638		31.20 [28.73, 33.88]	0.85
Darly *et al*, 2020	5428		14.20 [13.16, 15.32]	0.85
Benke *et al*, 2020	4335		31.10 [29.16, 33.17]	0.86
Heterogeneity: $\tau^2 = 0.61$, $I^2 = 99.40\%$, $H^2 = 165.92$			20.00 [13.26, 30.18]	
Test of $\theta_i = \theta_j$: Q(13) = 1620.08, p = 0.00				
50-59				
Ni *et al*, 2020	214		19.20 [13.66, 26.98]	0.80
Garre-Olmo *et al*, 2021	692		12.70 [10.15, 15.88]	0.83
Shermna *et al*, 2020	591		21.00 [17.23, 25.60]	0.84
O'Connor *et al*, 2020	3077		23.70 [21.81, 25.75]	0.85
O'Connor *et al*, 2020	3077		24.30 [22.38, 26.39]	0.85
Heterogeneity: $\tau^2 = 0.06$, $I^2 = 92.68\%$, $H^2 = 13.67$			19.98 [15.84, 25.19]	
Test of $\theta_i = \theta_j$: Q(4) = 31.05, p = 0.00				
60-69				
Creese *et al*, 2020	3281		4.10 [3.45, 4.87]	0.84
Creese *et al*, 2020	3281		5.90 [5.10, 6.82]	0.85
Heterogeneity: $\tau^2 = 0.06$, $I^2 = 90.00\%$, $H^2 = 10.00$			4.93 [3.45, 7.05]	
Test of $\theta_i = \theta_j$: Q(1) = 10.00, p = 0.00				
Overall				
Heterogeneity: $\tau^2 = 0.47$, $I^2 = 99.52\%$, $H^2 = 209.02$			26.89 [23.22, 31.14]	
Test of $\theta_i = \theta_j$: Q(85) = 15486.81, p = 0.00				
Test of group differences: $Q_b(5) = 208.39$, p = 0.00				

Scale: 2 8 32 128

Random-effects REML model
Sorted by: _meta_se

Supplementary Figure 2 Subgroup analysis for the prevalence of depression caused by SARS-CoV-2 (by age).

Supplementary Figure 3 Subgroup analysis for the prevalence of PTSD caused by SARS-CoV-2 (by age).

Supplementary Figure 4 Subgroup analysis for the prevalence of Anxiety caused by SARS-CoV (by age).
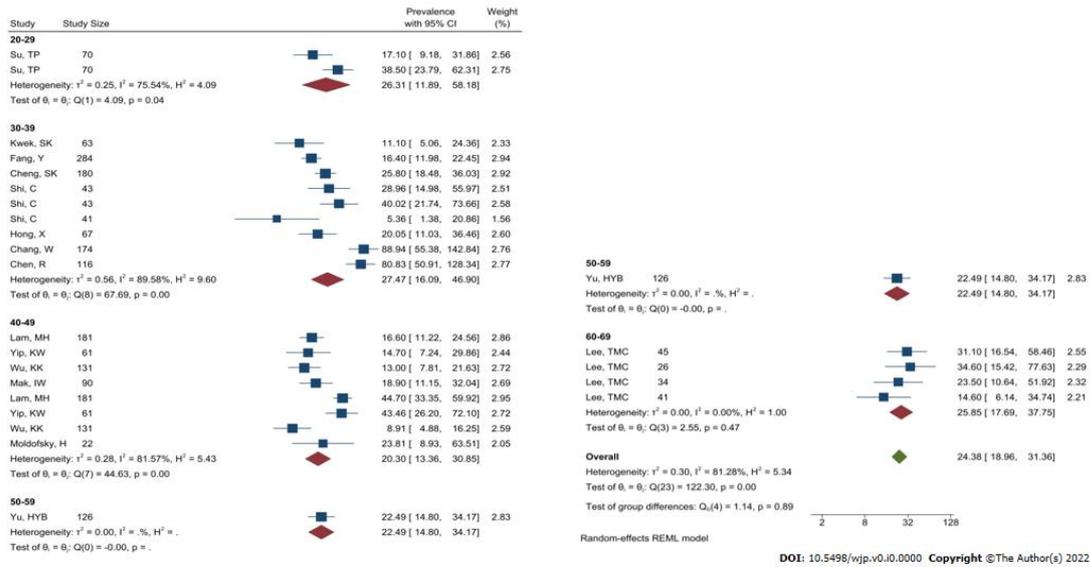
Supplementary Figure 5 Subgroup analysis for the prevalence of depression caused by SARS-CoV (by age).
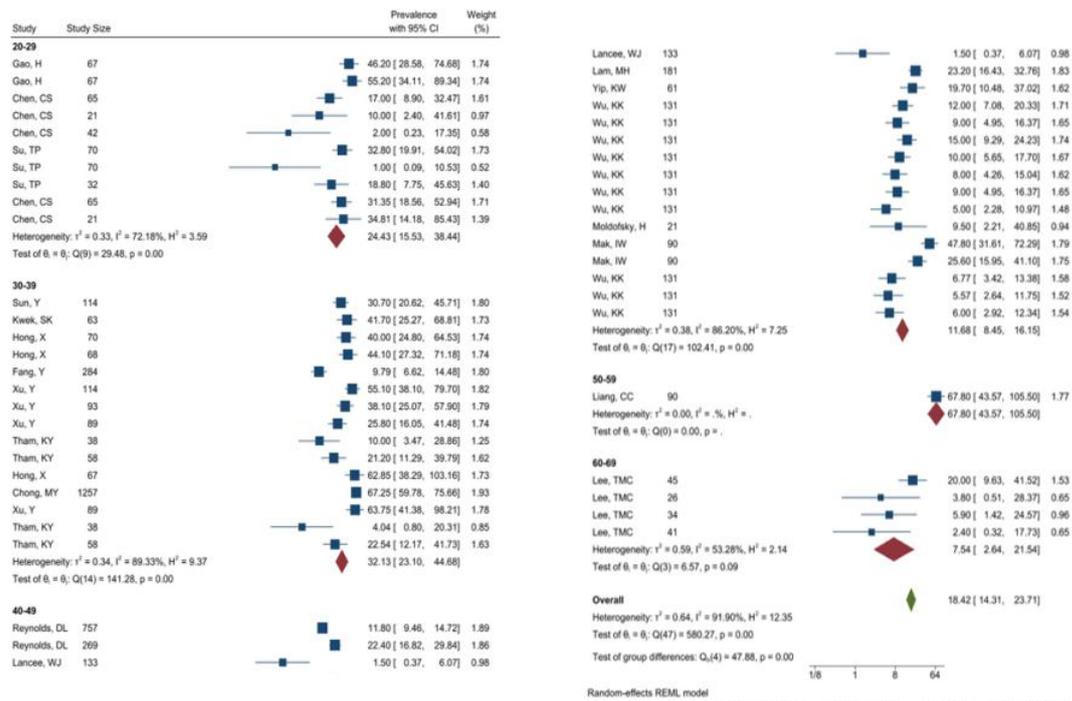
Supplementary Figure 6 Subgroup analysis for the prevalence of PTSD caused by SARS-CoV (by age).

Forest plot — Prevalence with 95% CI

General Population

Study	Study Size	Prevalence with 95% CI	Weight (%)
Lu et al, 2020	257	1.17 [0.38, 3.65]	0.43
McKay et al, 2020	908	0.88 [0.44, 1.77]	0.52
Puccinelli et al, 2021	57	22.80 [12.28, 42.33]	0.53
Hamm et al, 2020	73	82.19 [45.13, 149.70]	0.53
Puccinelli et al, 2021	57	64.90 [37.67, 111.81]	0.54
Xiao et al, 2020	170	87.65 [55.50, 138.41]	0.56
Smith et al, 2020	278	8.27 [5.40, 12.67]	0.56
Tan et al, 2020	673	3.27 [2.14, 5.00]	0.56
Trumello et al, 2020	321	7.29 [4.79, 11.10]	0.56
Roma et al, 2020	439	7.52 [5.27, 10.72]	0.57
Giannopoulou et al, 2020	442	7.47 [5.24, 10.65]	0.57
Dawel et al, 2020	1296	3.78 [2.84, 5.03]	0.58
Zhao et al, 2020	515	14.40 [11.26, 18.42]	0.58
Ozdin et al, 2020	343	28.28 [22.36, 35.77]	0.58
Creese et al, 2020	3281	2.20 [1.74, 2.78]	0.58
Silva et al, 2020	348	28.74 [22.79, 36.25]	0.58
Pieh et al, 2020	1006	8.15 [6.50, 10.22]	0.58
Yuan et al, 2020	3517	2.30 [1.84, 2.87]	0.58
Shermna et al, 2020	591	16.58 [13.35, 20.59]	0.58
Creese et al, 2020	3281	2.70 [2.19, 3.33]	0.59
He et al, 2020	374	41.20 [33.53, 50.62]	0.59
Hyun et al, 2020	908	13.11 [10.81, 15.90]	0.59
Cheng et al, 2020	435	42.00 [34.72, 50.81]	0.59
Cenat et al, 2021	1267	9.41 [7.79, 11.36]	0.59
Faulker et al, 2020	8425	1.44 [1.20, 1.72]	0.59
Sediri et al, 2020	751	79.20 [66.40, 94.46]	0.59
Hazarika et al, 2021	541	35.50 [29.77, 42.34]	0.59
Tian et al, 2020	1060	15.00 [12.67, 17.75]	0.59
Duncan et al, 2020	3971	3.60 [3.05, 4.25]	0.59
Cheng et al, 2020	573	46.00 [39.03, 54.21]	0.59
Cheng et al, 2020	623	60.00 [51.11, 70.43]	0.59
Cheng et al, 2020	647	61.00 [52.09, 71.44]	0.59
Wang et al, 2020	2794	6.20 [5.32, 7.23]	0.59
Ran et al, 2020	1770	31.90 [28.87, 35.25]	0.59
Tee et al, 2020	1879	28.80 [26.06, 31.82]	0.59
Varma et al, 2020	1653	59.00 [53.49, 65.08]	0.59
Bendau et al, 2020	1855	36.40 [33.12, 40.01]	0.59
Gonzalez-Sanguino et al, 2020	3480	14.60 [13.29, 16.04]	0.59
Naser et al, 2020	1798	58.00 [52.81, 63.69]	0.59
Guo et al, 2020	2331	25.40 [23.14, 27.88]	0.59
Rathod et al, 2020	3984	12.99 [11.84, 14.25]	0.59
Robillard et al, 2021	2651	23.10 [21.11, 25.28]	0.59
Lu et al, 2020	1970	43.40 [39.70, 47.44]	0.59
O'Connor et al, 2020	3077	21.00 [19.26, 22.90]	0.59
Kwong et al, 2020	2872	24.35 [22.36, 26.52]	0.59
Robillard et al, 2021	2651	34.70 [32.03, 37.59]	0.59
Traunmuller et al, 2020	4126	18.30 [16.91, 19.80]	0.59
Winkler et al, 2020	3021	29.63 [27.40, 32.04]	0.59
Cansel et al, 2021	3549	26.60 [24.69, 28.66]	0.59
Gao et al, 2020	4827	22.60 [21.13, 24.18]	0.59
Benke et al, 2020	4335	29.40 [27.54, 31.39]	0.59
Mrklas et al, 2020	3951	47.70 [44.81, 50.77]	0.59
Nkire et al, 2021	8267	14.39 [13.53, 15.30]	0.59
Hetkamp et al, 2020	16245	7.20 [6.78, 7.64]	0.59
Wang et al, 2020	4752	45.70 [43.16, 48.38]	0.59
Massad et al, 2020	5274	38.40 [36.33, 40.59]	0.59
Giuseppe et al, 2020	5683	51.10 [48.51, 53.83]	0.59
Capasso et al, 2021	5850	47.20 [44.84, 49.69]	0.59
Jiang et al, 2020	60199	97.47 [92.64, 102.56]	0.59
Chen et al, 2020	7772	26.90 [25.58, 28.28]	0.59
Franceschini et al, 2020	6439	52.60 [50.09, 55.24]	0.59
Huang et al, 2020	7236	35.10 [33.45, 36.84]	0.59
Ferrucci et al, 2020	10025	21.00 [20.01, 22.03]	0.59
Zhou et al, 2020	8079	37.40 [35.75, 39.12]	0.59
Ferrucci et al, 2020	10025	28.00 [26.81, 29.25]	0.59
Wang et al, 2020	19372	12.20 [11.69, 12.74]	0.59
Moghanibashi-Mansourieh et al, 2020	10754	26.50 [25.39, 27.66]	0.59
Fisher et al, 2020	13829	21.00 [20.16, 21.88]	0.59
Zhou et al, 2020	11835	34.40 [33.12, 35.73]	0.59
Khanal et al, 2020	475	18.30 [14.50, 23.09]	0.58
Zhang et al, 2020	927	8.38 [6.64, 10.57]	0.58
Prasad et al, 2020	347	69.50 [55.30, 87.34]	0.58
Francisco et al, 2020	767	11.47 [9.19, 14.32]	0.58
Wright et al, 2020	571	17.30 [13.93, 21.49]	0.58
Ning et al, 2020	612	16.30 [13.15, 20.20]	0.59
Shetchter et al, 2020	361	40.00 [32.41, 49.38]	0.59
He et al, 2020	403	35.70 [29.12, 43.77]	0.59
Juan et al, 2020	456	31.60 [25.94, 38.50]	0.59
Zalzaid et al, 2020	441	48.10 [39.90, 57.98]	0.59
AlAteeq et al, 2020	502	51.40 [43.15, 61.23]	0.59
Liu et al, 2021	1090	13.30 [11.17, 15.84]	0.59
Monterrosa-Castro et al, 2020	531	39.30 [33.02, 46.78]	0.59
Youssef et al, 2020	540	42.60 [35.92, 50.52]	0.59
Zheng et al, 2020	617	32.60 [27.55, 38.58]	0.59
Gorini et al, 2020	650	29.70 [25.10, 35.14]	0.59
Hummel et al, 2021	609	36.62 [31.05, 43.18]	0.59
Bahadir-Yilmaz et al, 2020	1457	88.88 [75.49, 104.65]	0.59
Tiete et al, 2020	647	52.20 [44.74, 60.91]	0.59
Greenberg et al, 2021	709	38.00 [32.65, 44.22]	0.59
Judith et al, 2020	695	54.90 [47.28, 63.75]	0.59
Riello et al, 2020	1071	22.00 [19.04, 25.42]	0.59
Florin et al, 2020	1515	14.60 [12.66, 16.84]	0.59
Sahin et al, 2020	939	60.20 [52.83, 68.60]	0.59
Naser et al, 2020	1163	70.80 [62.39, 80.34]	0.59
Rathod et al, 2020	3933	8.20 [7.32, 9.19]	0.59
Lai et al, 2020	1257	44.60 [39.91, 49.85]	0.59
Mrklas et al, 2020	1414	38.10 [34.22, 42.42]	0.59
Hong et al, 2021	4692	8.10 [7.29, 9.00]	0.59
Havaei et al, 2021	3676	11.10 [10.01, 12.30]	0.59
Zhang et al, 2020	1563	44.70 [40.46, 49.39]	0.59
Johnson et al, 2020	1733	45.70 [41.58, 50.23]	0.59
Wanigasooriya et al, 2020	2638	34.30 [31.65, 37.17]	0.59
Xiaoming et al, 2020	8817	20.70 [19.66, 21.79]	0.59
Alonso et al, 2020	9138	22.50 [21.42, 23.63]	0.59
Mazza et al, 2020	2766	6.40 [5.50, 7.45]	0.59
Duong et al, 2020	1385	14.10 [12.12, 16.40]	0.59
Shah et al, 2020	678	51.00 [43.87, 59.29]	0.59
Casagrande et al, 2020	2291	8.12 [6.99, 9.43]	0.59
Idrissi et al, 2020	846	29.50 [25.45, 34.20]	0.59
Cenat et al, 2021	1267	16.67 [14.38, 19.32]	0.59
Wang et al, 2020	1397	15.20 [13.13, 17.59]	0.59
Kar et al, 2020	733	47.50 [41.09, 54.91]	0.59
Odriozola-Gonzalez et al, 2020	2530	7.98 [6.91, 9.21]	0.59
Silva et al, 2020	806	46.41 [40.41, 53.30]	0.59
Lu et al, 2020	965	34.40 [30.12, 39.29]	0.59
Alamri et al, 2020	1597	16.40 [14.37, 18.72]	0.59
Ahmed et al, 2020	1074	29.00 [25.42, 33.09]	0.59
McCracken et al, 2020	1212	24.20 [21.22, 27.60]	0.59
Barzilay et al, 2020	1350	22.00 [19.34, 25.02]	0.59
Winkler et al, 2020	3306	7.79 [6.86, 8.85]	0.59
Wang et al, 2020	951	51.60 [45.44, 58.60]	0.59
Pandey et al, 2020	1395	22.40 [19.75, 25.40]	0.59
Jewell et al, 2020	1083	34.00 [29.98, 38.55]	0.59
Bendau et al, 2020	1328	24.90 [21.99, 28.20]	0.59
Omari et al, 2020	1057	40.40 [35.73, 45.68]	0.59
Thomas et al, 2020	1039	55.70 [49.28, 62.95]	0.59
Huang et al, 2020	1172	33.02 [29.24, 37.29]	0.59
Cenat et al, 2021	1267	29.29 [25.95, 33.06]	0.59
Every-Palmer et al, 2020	2010	15.60 [13.83, 17.60]	0.59
Bendau et al, 2020	1512	24.50 [21.79, 27.55]	0.59
Ni et al, 2020	1577	23.84 [21.23, 26.77]	0.59
Cellini et al, 2020	1310	32.60 [29.04, 36.59]	0.59
Cenat et al, 2021	1267	38.53 [34.41, 43.15]	0.59
Islam et al, 2020	1311	37.30 [33.35, 41.72]	0.59
Wang et al, 2020	1738	23.01 [20.58, 25.73]	0.59
Banna et al, 2020	1427	33.70 [30.20, 37.61]	0.59
Kwong et al, 2020	2872	12.97 [11.63, 14.46]	0.59
Wang et al, 2020	1738	28.76 [25.92, 31.91]	0.59
Lechner et al, 2020	4276	9.31 [8.40, 10.32]	0.59
Bendau et al, 2020	1804	29.20 [26.38, 32.32]	0.59
Rossi et al, 2020	21342	21.25 [20.56, 21.96]	0.59
Wu et al, 2020	24789	51.60 [50.33, 52.90]	0.59
Fancourt et al, 2020	36520	22.60 [22.05, 23.16]	0.59
Bareeqa et al, 2020	57311	21.80 [21.37, 22.24]	0.59

Heterogeneity: $\tau^2 = 0.99$, $I^2 = 99.36\%$, $H^2 = 155.09$ — 22.35 [17.42, 28.66]

Heterogeneity: $\tau^2 = 0.80$, $I^2 = 99.81\%$, $H^2 = 540.31$ — 20.98 [17.72, 24.84]

Test of $\theta_i = \theta_j$: Q(108) = 21552.19, p = 0.00

HCP

Study	Study Size	Prevalence with 95% CI	Weight (%)
Sun et al, 2020	536	0.37 [0.09, 1.49]	0.37
Rapisarda et al, 2020	241	2.07 [0.85, 5.02]	0.48
Ma et al, 2020	34	35.00 [17.30, 70.81]	0.52
Mahyijari et al, 2020	150	6.67 [3.51, 12.67]	0.53
Magnavita et al, 2020	90	15.56 [8.80, 27.51]	0.54
Yang et al, 2020	54	50.00 [29.33, 85.24]	0.55
Shetchter et al, 2020	141	15.00 [9.45, 23.81]	0.56
Liu et al, 2020	2126	0.92 [0.59, 1.44]	0.56
Shrestha et al, 2020	101	73.30 [47.17, 113.91]	0.56
Shetchter et al, 2020	141	17.00 [10.96, 26.38]	0.56
Crowe et al, 2020	109	67.90 [45.42, 101.51]	0.57
Zheng et al, 2021	207	14.49 [9.84, 21.34]	0.57
Zhang et al, 2020	2143	1.59 [1.13, 2.23]	0.57
Ni et al, 2020	214	22.00 [15.92, 30.40]	0.58
Shah et al, 2020	207	24.60 [17.93, 33.75]	0.58
Than et al, 2020	173	33.50 [24.43, 45.94]	0.58
Civantos et al, 2020	163	45.50 [33.43, 61.93]	0.58
Suryavanshi et al, 2020	197	29.00 [21.32, 39.45]	0.58
Trumello et al, 2020	306	15.99 [11.78, 21.71]	0.58
Pan et al, 2020	194	32.50 [24.07, 43.89]	0.58
Lu et al, 2020	2042	2.20 [1.64, 2.96]	0.58
Chew et al, 2021	200	36.50 [27.37, 48.68]	0.58
Li et al, 2020	225	35.60 [27.10, 46.77]	0.58
Setiawti et al, 2021	227	39.60 [30.35, 51.67]	0.58
Setiawti et al, 2021	227	43.60 [33.54, 56.68]	0.58
Mekonen et al, 2020	302	69.60 [54.47, 88.94]	0.58
Chew et al, 2020	906	7.95 [6.25, 10.11]	0.58
Mosolova et al, 2020	1090	6.79 [5.36, 8.60]	0.58

Test of $\theta_i = \theta_j$: Q(62) = 4323.84, p = 0.00

Overall

Heterogeneity: $\tau^2 = 0.86$, $I^2 = 99.76\%$, $H^2 = 421.10$ — 21.48 [18.68, 24.71]

Test of $\theta_i = \theta_j$: Q(171) = 25898.99, p = 0.00

Test of group differences: $Q_b(1) = 0.17$, p = 0.68

Random-effects REML model
Sorted by: _meta_se

1/8 1 8 64
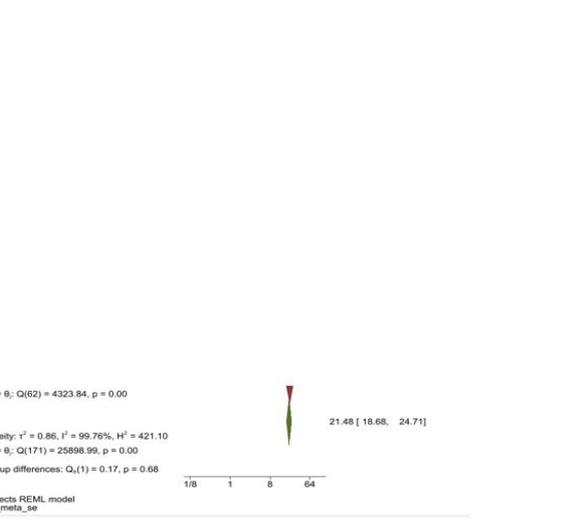
Supplementary Figure 7 Subgroup analysis for the prevalence of anxiety caused by SARS-CoV-2 (by occupation).

| Study	Study Size	Study Size	Prevalence with 95% CI	Weight (%)
General Public				
Peng *et al*, 2020	139		86.63 [53.15, 141.19]	0.73
Martinotti *et al*, 2020	119		28.56 [19.19, 42.51]	0.76
Smith *et al*, 2020	278		15.87 [11.50, 21.89]	0.78
Mahamid *et al*, 2021	400		88.38 [65.09, 119.99]	0.79
Roma *et al*, 2020	439		17.82 [13.96, 22.75]	0.81
Garre-Olmo *et al*, 2021	692		12.70 [10.15, 15.88]	0.81
Ozdin *et al*, 2020	343		37.85 [30.43, 47.08]	0.81
Tian *et al*, 2020	1060		8.40 [6.76, 10.44]	0.81
Silva *et al*, 2020	348		40.81 [32.96, 50.54]	0.81
He *et al*, 2020	374		58.60 [47.70, 71.99]	0.81
Shermna *et al*, 2020	591		21.00 [17.23, 25.60]	0.82
Bartoszek *et al*, 2020	471		32.45 [26.76, 39.35]	0.82
Zhao *et al*, 2020	515		29.70 [24.58, 35.88]	0.82
Sediri *et al*, 2020	751		82.30 [68.24, 99.26]	0.82
Hazarika *et al*, 2021	541		32.00 [26.71, 38.34]	0.82
Fong *et al*, 2020	590		29.70 [24.89, 35.44]	0.82
Creese *et al*, 2020	3281		4.10 [3.45, 4.87]	0.82
Faulker *et al*, 2020	8425		2.07 [1.78, 2.40]	0.82
Kar *et al*, 2020	733		39.40 [33.97, 45.69]	0.82
Wang *et al*, 2020	1397		15.20 [13.13, 17.59]	0.82
Barzilay *et al*, 2020	1350		16.00 [13.83, 18.51]	0.82
Creese *et al*, 2020	3281		5.90 [5.10, 6.82]	0.82
Silva *et al*, 2020	806		60.43 [52.47, 69.59]	0.83
Idrissi *et al*, 2020	846		35.60 [30.93, 40.98]	0.83
Tang *et al*, 2020	2501		9.00 [7.85, 10.32]	0.83
Jewell *et al*, 2020	1083		29.00 [25.43, 33.07]	0.83
Lu *et al*, 2020	965		45.70 [40.26, 51.87]	0.83
Cellini *et al*, 2020	1310		24.20 [21.33, 27.46]	0.83
Ni *et al*, 2020	1577		19.21 [16.95, 21.77]	0.83
Duong *et al*, 2020	1385		23.50 [20.76, 26.61]	0.83
Bendau *et al*, 2020	1328		25.30 [22.36, 28.63]	0.83
Thomas *et al*, 2020	1039		58.40 [51.62, 66.07]	0.83
McCracken *et al*, 2020	1212		30.00 [26.53, 33.92]	0.83
Omari *et al*, 2020	1057		57.00 [50.47, 64.38]	0.83
Tee *et al*, 2020	1879		16.90 [14.98, 19.07]	0.83
Bendau *et al*, 2020	1512		25.20 [22.44, 28.30]	0.83
Fountoulakis *et al*, 2021	3399		9.31 [8.29, 10.45]	0.83
Pandey *et al*, 2020	1395		30.50 [27.21, 34.18]	0.83
Alamri *et al*, 2020	1597		28.90 [25.94, 32.20]	0.83
Brailovskaia *et al*, 2021	1931		22.94 [20.63, 25.51]	0.83
Banna *et al*, 2020	1427		57.90 [52.12, 64.32]	0.83
Varma *et al*, 2020	1653		34.90 [31.54, 38.61]	0.83
Bendau *et al*, 2020	1804		30.50 [27.59, 33.72]	0.83
Guo *et al*, 2020	2331		21.30 [19.29, 23.52]	0.83
Fukase *et al*, 2021	2708		18.35 [16.65, 20.23]	0.83
Bendau *et al*, 2020	1855		32.70 [29.68, 36.03]	0.83
Every-Palmer *et al*, 2020	2010		30.30 [27.55, 33.32]	0.83
Kwong *et al*, 2020	2872		18.14 [16.50, 19.95]	0.83
Ran *et al*, 2020	1770		47.10 [42.90, 51.71]	0.83
Peng *et al*, 2020	2098		35.80 [32.74, 39.14]	0.83
Kwong *et al*, 2020	2872		24.35 [22.36, 26.52]	0.83
O'Connor *et al*, 2020	3077		23.70 [21.81, 25.75]	0.83
O'Connor *et al*, 2020	3077		24.30 [22.38, 26.39]	0.83
Darly *et al*, 2020	5428		14.20 [13.16, 15.32]	0.83
Cansel *et al*, 2021	3549		34.30 [32.00, 36.76]	0.83
Benke *et al*, 2020	4335		31.10 [29.16, 33.17]	0.83
Mrklas *et al*, 2020	3951		43.60 [40.94, 46.43]	0.83
Traunmuller *et al*, 2020	4126		45.65 [42.94, 48.53]	0.83
Huang *et al*, 2020	7236		20.10 [18.98, 21.29]	0.83
Wang *et al*, 2020	4752		51.50 [48.65, 54.51]	0.83
Gao *et al*, 2020	4827		48.30 [45.65, 51.11]	0.83
Capasso *et al*, 2021	5850		29.60 [27.98, 31.31]	0.83
Giuseppe *et al*, 2020	5683		37.80 [35.83, 39.88]	0.83
Franceschini *et al*, 2020	6439		67.90 [64.44, 71.55]	0.83
Chen *et al*, 2020	7772		42.89 [41.01, 44.86]	0.83
Zhou *et al*, 2020	8079		43.70 [41.82, 45.66]	0.83
Wang *et al*, 2020	19372		12.20 [11.69, 12.74]	0.83
Mamun *et al*, 2021	10067		33.30 [31.95, 34.71]	0.83
Fisher *et al*, 2020	13829		27.60 [26.59, 28.65]	0.84

Fancourt *et al*, 2020	36520		25.10 [24.51, 25.70]	0.84
Jiang *et al*, 2020	60199		80.02 [78.44, 81.63]	0.84
Wu *et al*, 2020	247896		47.50 [47.13, 47.88]	0.84
Heterogeneity: τ^2 = 0.45, I^2 = 99.80%, H^2 = 495.40			27.60 [23.63, 32.24]	
Test of $\theta_i = \theta_j$: Q(71) = 20096.40, p = 0.00				
HCP				
Yang *et al*, 2020	54		11.10 [4.75, 25.95]	0.57
Ma *et al*, 2020	34		24.00 [10.92, 52.73]	0.60
Saracoglu *et al*, 2020	208		89.90 [57.27, 141.13]	0.74
Arac *et al*, 2020	100		73.77 [47.25, 115.18]	0.74
Arac *et al*, 2020	98		29.70 [19.26, 45.81]	0.75
Civantos *et al*, 2020	163		16.00 [10.53, 24.32]	0.75
Zheng *et al*, 2021	207		14.49 [9.84, 21.34]	0.76
Crowe *et al*, 2020	109		57.80 [39.52, 84.53]	0.77
Shah *et al*, 2020	207		15.90 [10.95, 23.08]	0.77
Shah *et al*, 2020	207		15.90 [10.95, 23.08]	0.77
Than *et al*, 2020	173		20.20 [13.94, 29.28]	0.77
Ni *et al*, 2020	214		19.20 [13.66, 26.98]	0.78
Suryavanshi *et al*, 2020	197		22.00 [15.70, 30.82]	0.78
Chew *et al*, 2021	200		22.41 [16.07, 31.25]	0.78
Eweida *et al*, 2020	150		62.70 [45.04, 87.29]	0.78
Francisco *et al*, 2020	767		5.72 [4.22, 7.76]	0.79
Pan *et al*, 2020	194		37.60 [28.12, 50.28]	0.79
Khanal *et al*, 2020	475		13.50 [10.38, 17.56]	0.80
Li *et al*, 2020	225		46.70 [35.94, 60.68]	0.80
Prasad *et al*, 2020	347		22.80 [17.74, 29.30]	0.80
Mekonen *et al*, 2020	302		55.30 [44.08, 69.38]	0.81
Zheng *et al*, 2020	617		15.40 [12.38, 19.16]	0.81
Khanal *et al*, 2020	475		24.00 [19.44, 29.63]	0.81
Wright *et al*, 2020	571		20.10 [16.38, 24.67]	0.81
Juan *et al*, 2020	456		29.60 [24.21, 36.19]	0.82
He *et al*, 2020	403		48.60 [39.98, 59.08]	0.82
Cai *et al*, 2020	1173		10.10 [8.35, 12.21]	0.82
Gorini *et al*, 2020	650		22.80 [18.98, 27.39]	0.82
Ning *et al*, 2020	612		25.00 [20.82, 30.02]	0.82
Azoulay *et al*, 2020	498		40.60 [33.95, 48.55]	0.82
Yousseef *et al*, 2020	540		50.10 [42.32, 59.31]	0.82
Cai *et al*, 2020	1173		14.30 [12.14, 16.84]	0.82
Hummel *et al*, 2021	609		55.38 [47.20, 64.97]	0.82
Tiete *et al*, 2020	647		53.30 [45.67, 62.20]	0.82
Sahin *et al*, 2020	939		77.60 [66.56, 90.47]	0.82
Liu *et al*, 2021	1090		18.40 [15.79, 21.45]	0.82
Florin *et al*, 2020	1515		12.50 [10.73, 14.56]	0.82
Judith *et al*, 2020	695		59.50 [51.14, 69.23]	0.82
Mrklas *et al*, 2020	1414		32.10 [28.71, 35.89]	0.83
Mrklas *et al*, 2020	1414		32.10 [28.71, 35.89]	0.83
Lai *et al*, 2020	1257		50.40 [45.12, 56.29]	0.83
Zhang *et al*, 2020	1563		50.70 [45.91, 55.99]	0.83
Hong *et al*, 2021	4692		9.40 [8.52, 10.37]	0.83
Johnson *et al*, 2020	1733		56.30 [51.20, 61.91]	0.83
Wanigasooriya *et al*, 2020	2638		31.20 [28.73, 33.88]	0.83
Xiaoming *et al*, 2020	8817		20.20 [19.18, 21.28]	0.83
Alonso *et al*, 2020	9138		28.10 [26.85, 29.41]	0.83
Song *et al*, 2020	14825		25.20 [24.28, 26.15]	0.84
Heterogeneity: τ^2 = 0.37, I^2 = 98.79%, H^2 = 82.80			27.71 [23.22, 33.08]	
Test of $\theta_i = \theta_j$: Q(47) = 2303.11, p = 0.00				
Overall			27.64 [24.59, 31.06]	
Heterogeneity: τ^2 = 0.41, I^2 = 99.69%, H^2 = 325.81				
Test of $\theta_i = \theta_j$: Q(119) = 24186.32, p = 0.00				
Test of group differences: $Q_b(1)$ = 0.00, p = 0.97				

```
        2      8      32     128
```

Random-effects REML model
Sorted by: _meta_se

Supplementary Figure 8 Subgroup analysis for the prevalence of depression caused by SARS-CoV-2 (by occupation).
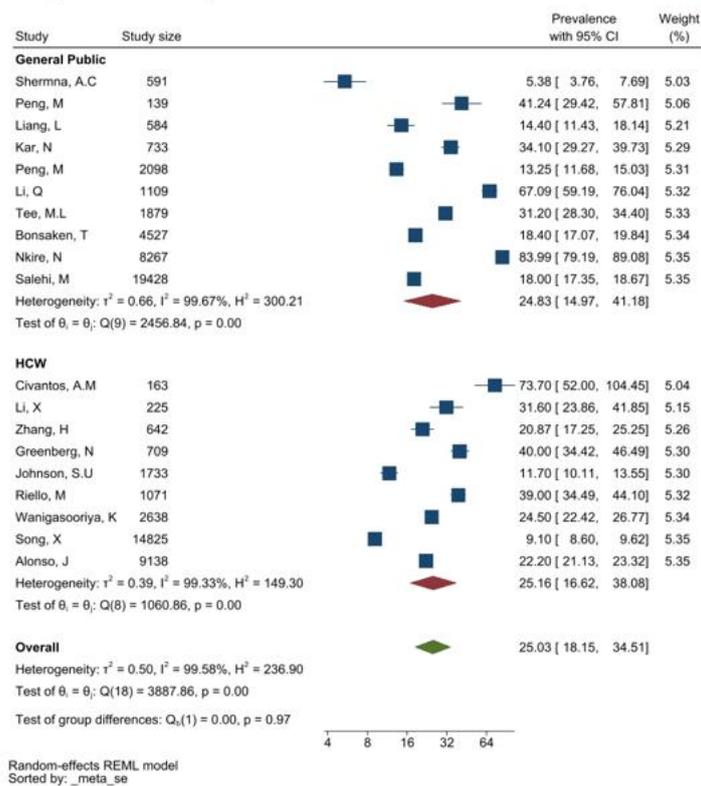
Supplementary Figure 9 Subgroup analysis for the prevalence of PTSD that is caused by SARS-CoV-2 (by occupation).
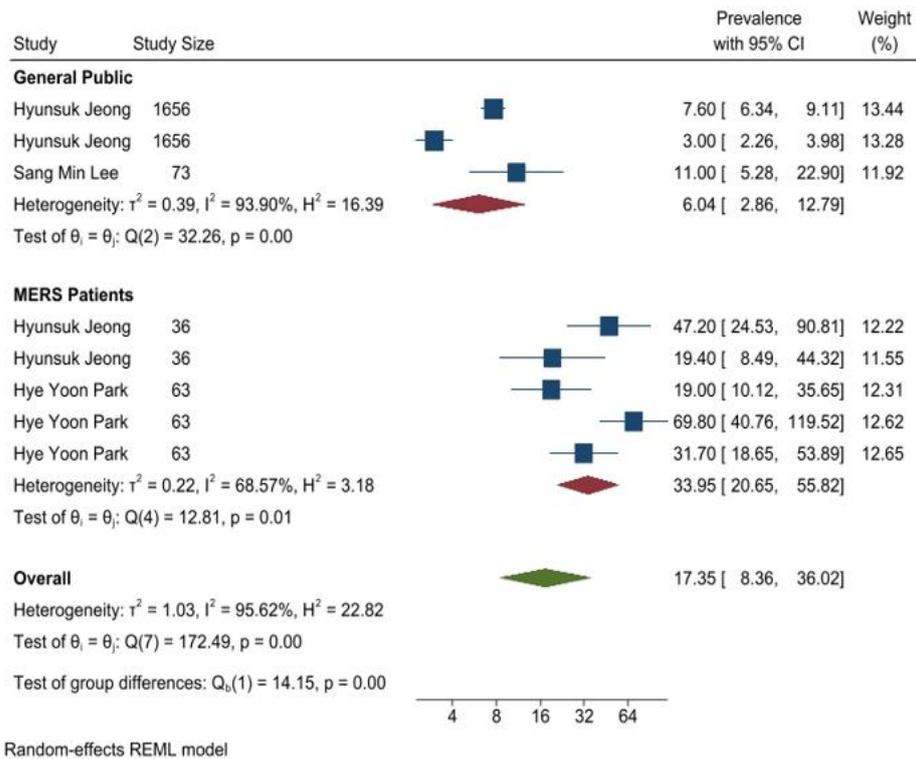
Supplementary Figure 10 Subgroup analysis for the prevalence of anxiety caused by MERS (by occupation).
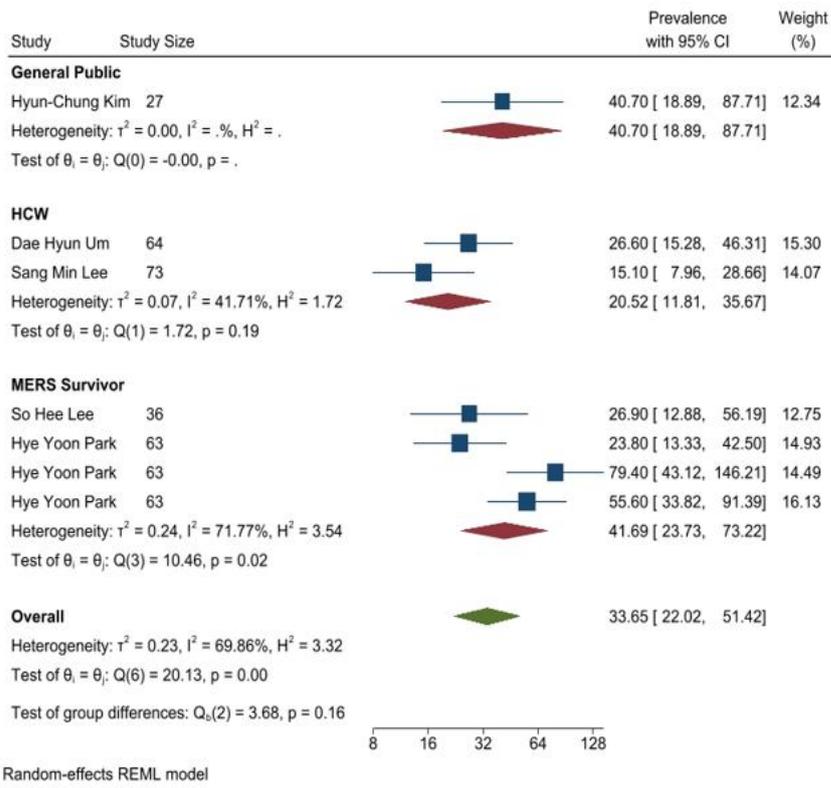
Supplementary Figure 11 Subgroup analysis for the prevalence of depression that is caused by MERS (by occupation).
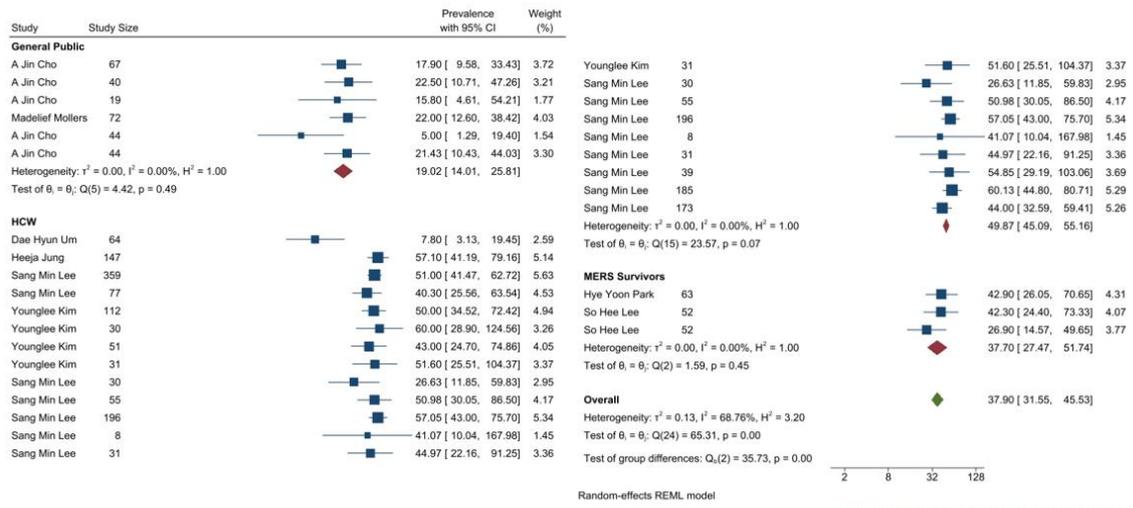
Supplementary Figure 12 Subgroup analysis for the prevalence of PTSD caused by MERS (by occupation).
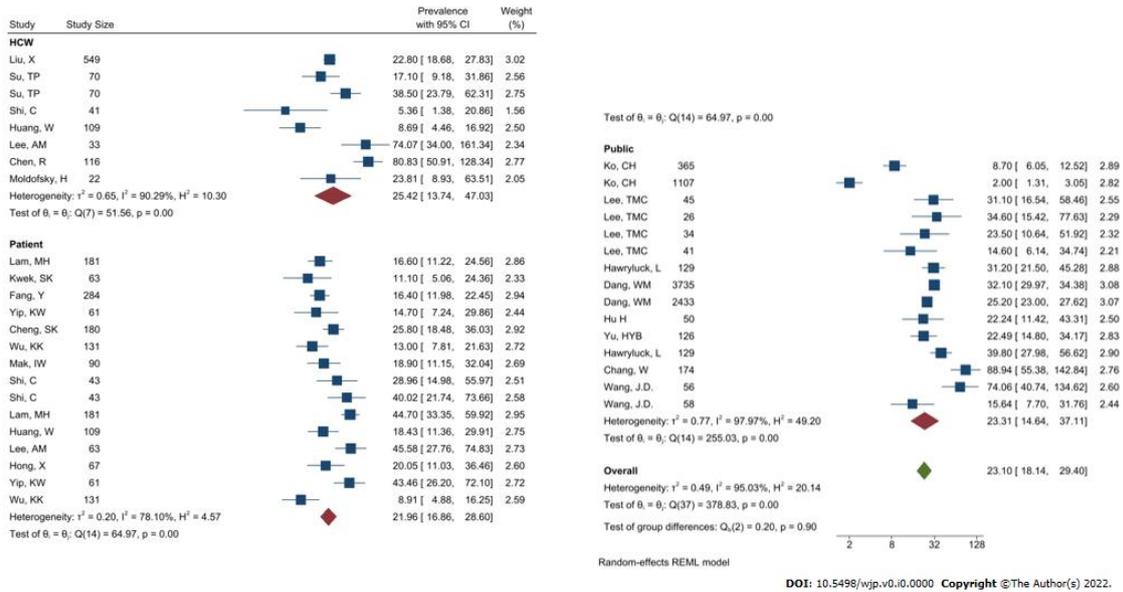
Supplementary Figure 13 Subgroup analysis for the prevalence of anxiety caused by SARS-CoV (by occupation).
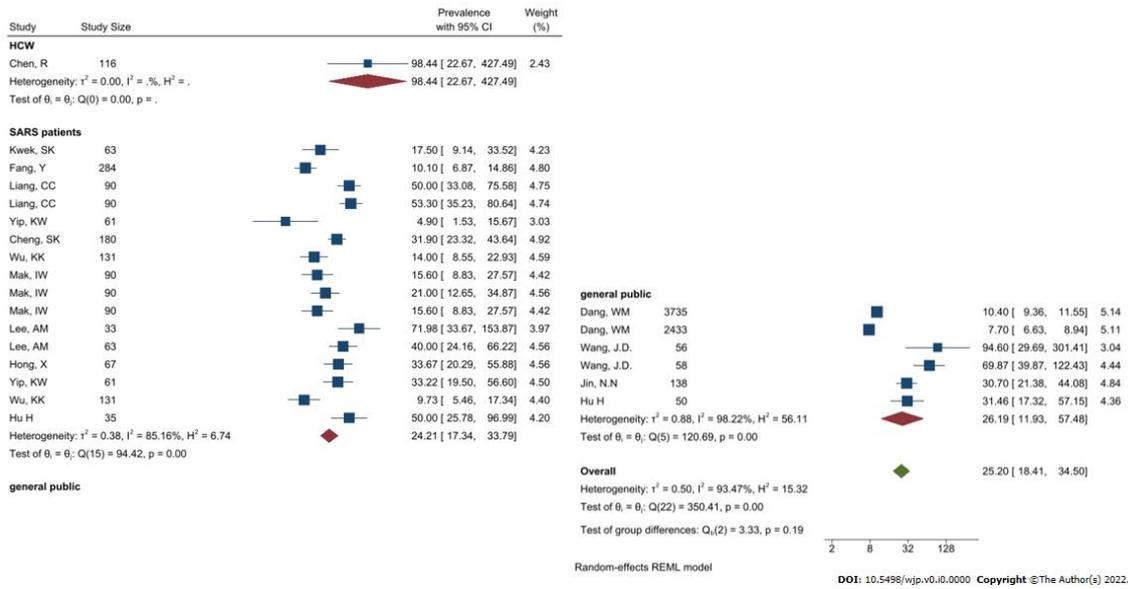
Supplementary Figure 14 Subgroup analysis for the prevalence of depression caused by SARS-CoV (by occupation).
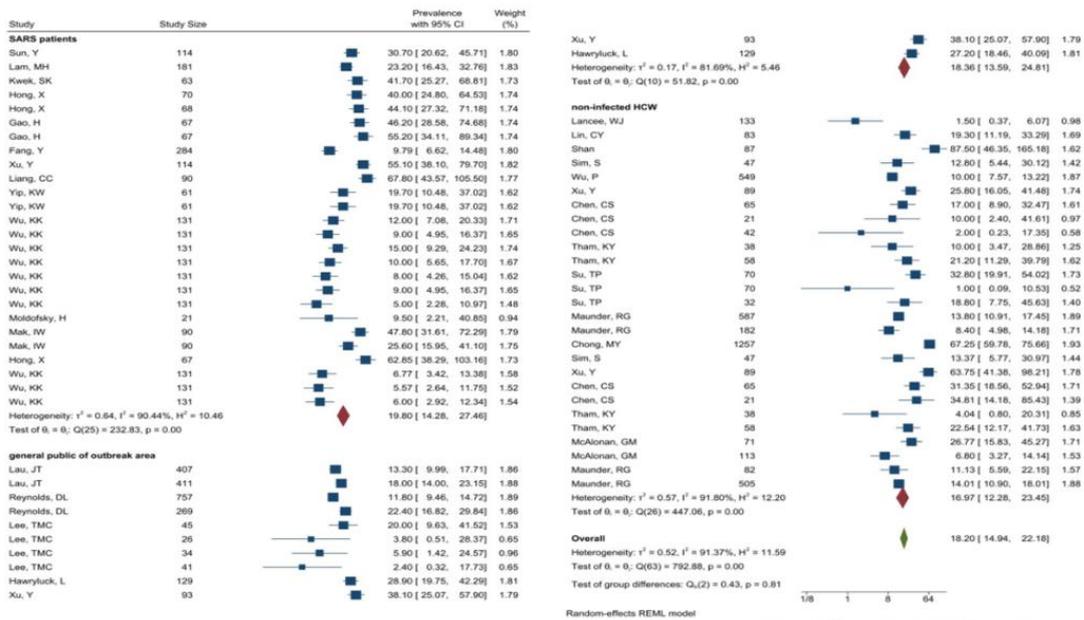
Supplementary Figure 15 Subgroup analysis for the prevalence of PTSD caused by SARS-CoV (by occupation).
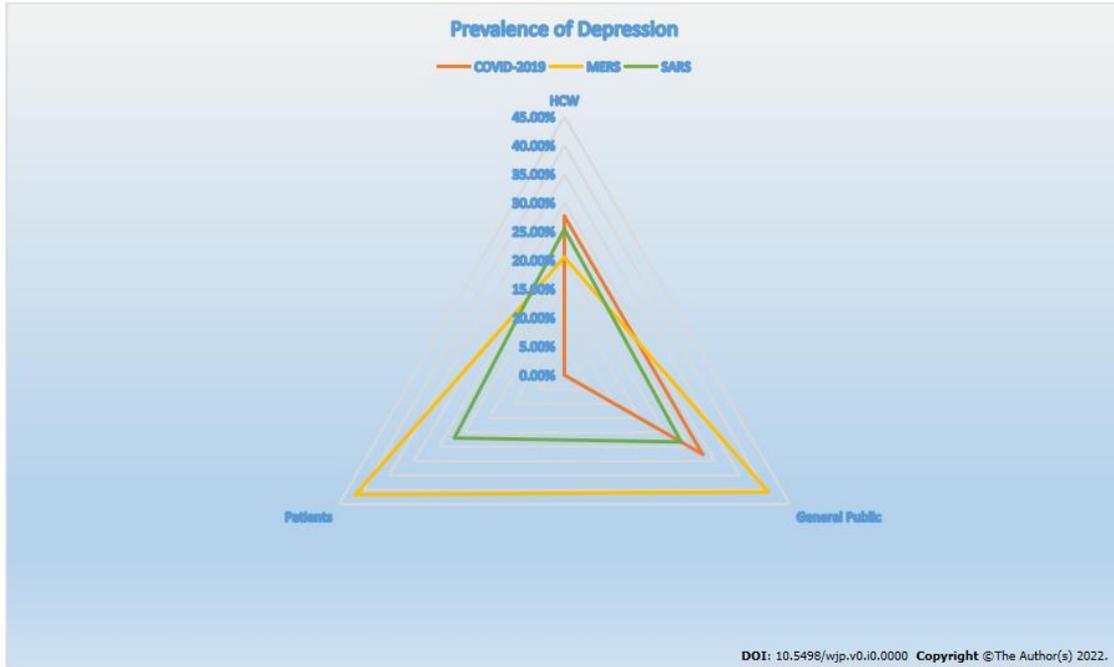
Supplementary Figure 16 Radar charts of the prevalence of depression.
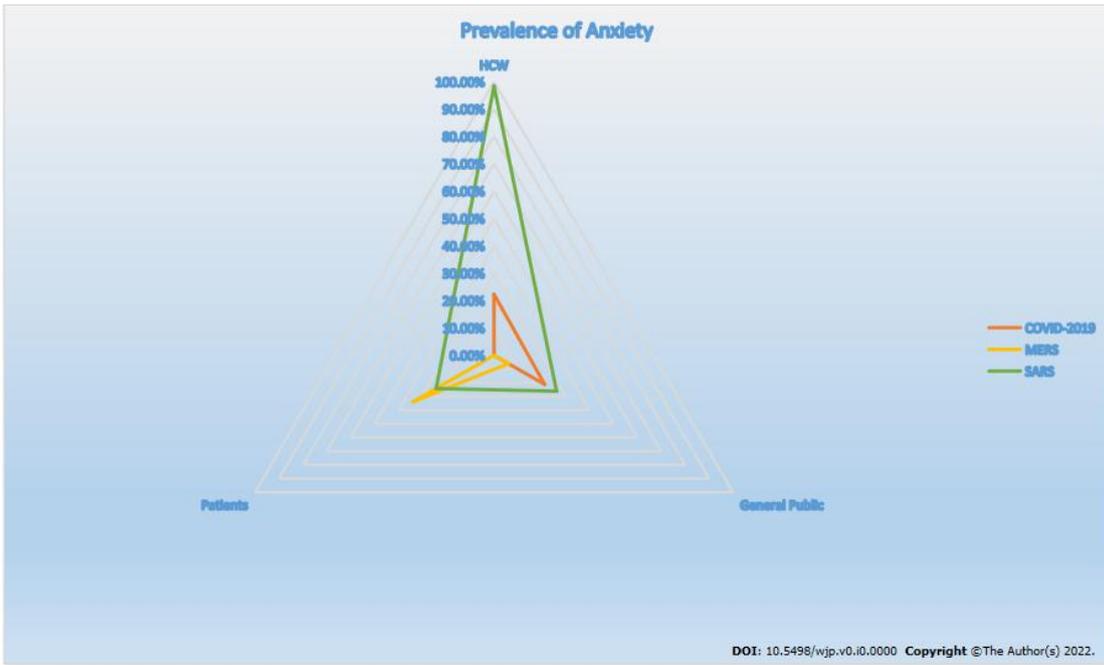
Supplementary Figure 17 Radar charts of the prevalence of anxiety.
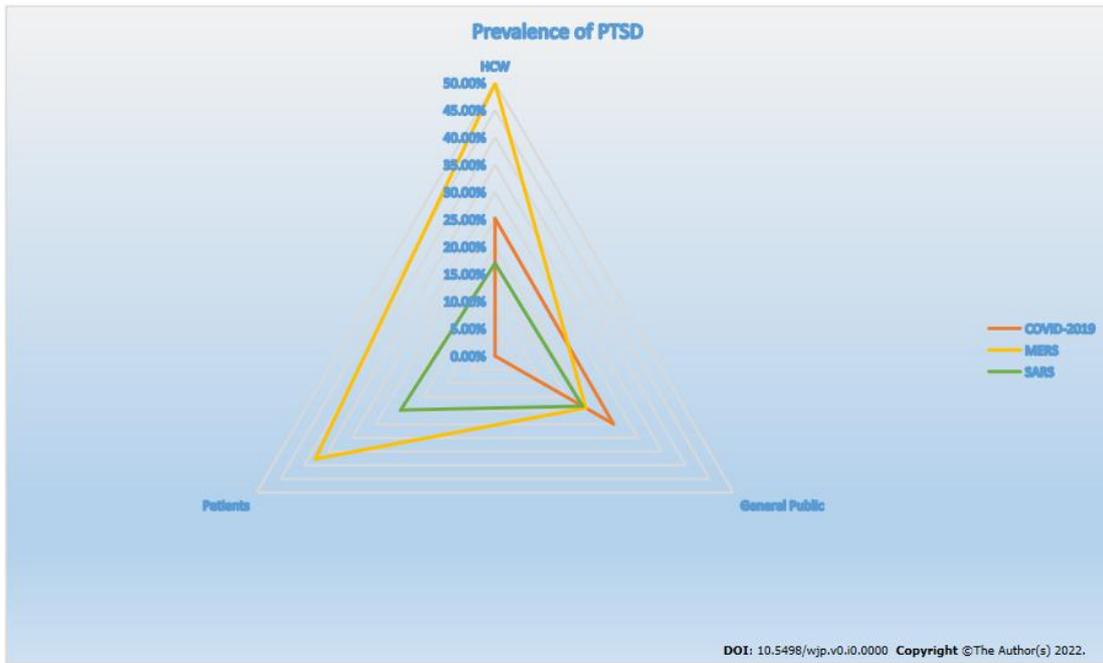
Supplementary Figure 18 Radar charts of the prevalence of PTSD.
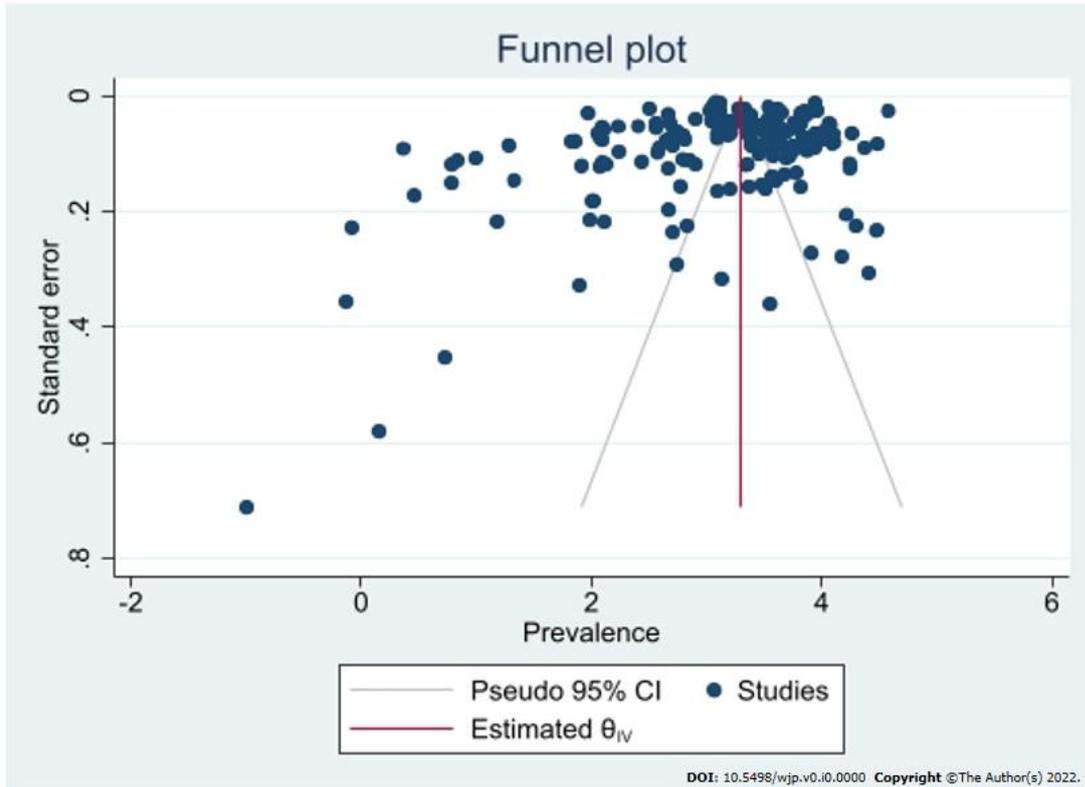
Supplementary Figure 19 Funnel plot for anxiety during SARS-CoV-2.

Note: data input format *theta se_theta* assumed

Egger's test for small-study effects:
Regress standard normal deviate of intervention
  effect estimate against its standard error

.

Number of studies = 172   Root MSE   =   12.19

Std_Eff	Coef.	Std. Err.	t	P>|t|	[95% Conf. Interval]	
slope	3.400463	.0641416	53.01	0.000	3.273846	3.52708
bias	-2.957128	1.439336	-2.05	0.041	-5.798401	-.1158547

Test of H0: no small-study effects   P = 0.041

Supplementary Figure 20 Egger's test for anxiety during SARS-CoV-2.
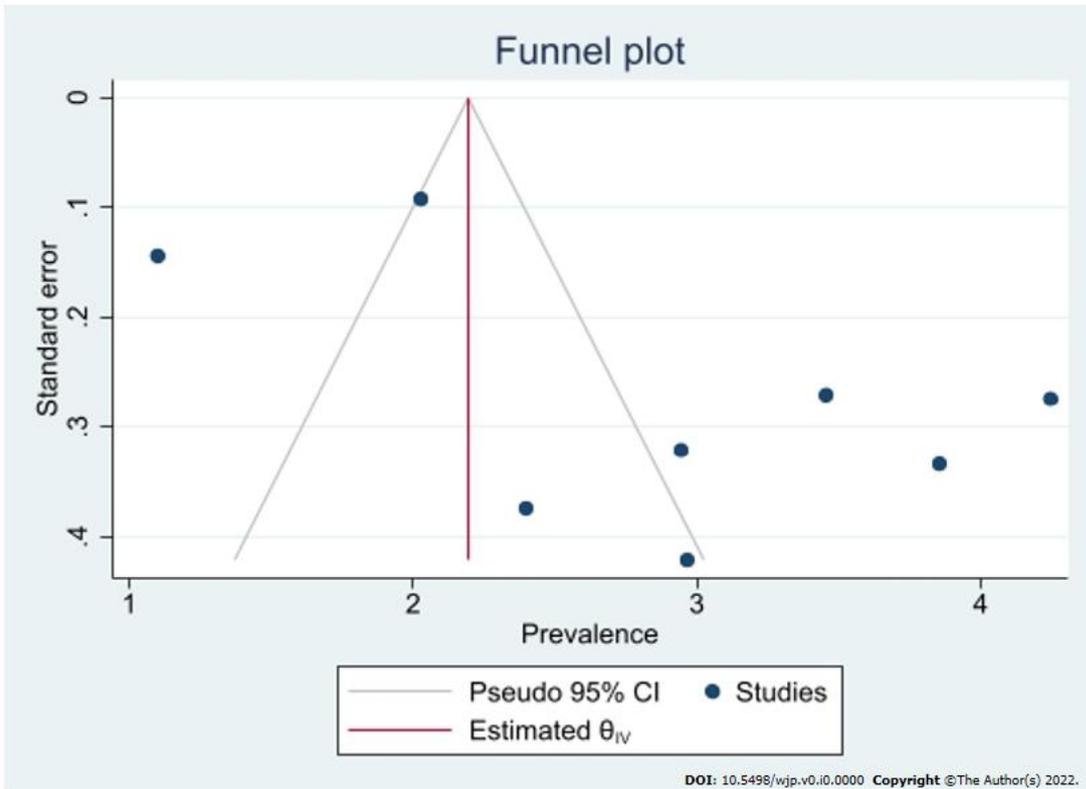
Supplementary Figure 21 Funnel plot for anxiety during MERS.

```
.
Number of studies =  8                                    Root MSE      =   4.084

       Std_Eff │      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
     ──────────┼──────────────────────────────────────────────────────────────
         slope │   1.244247    .5322461     2.34   0.058    -.0581128    2.546606
          bias │   5.853679    2.809106     2.08   0.082    -1.019956    12.72731

Test of H0: no small-study effects          P = 0.082
```

Supplementary Figure 22 Egger's test for anxiety during MERS.
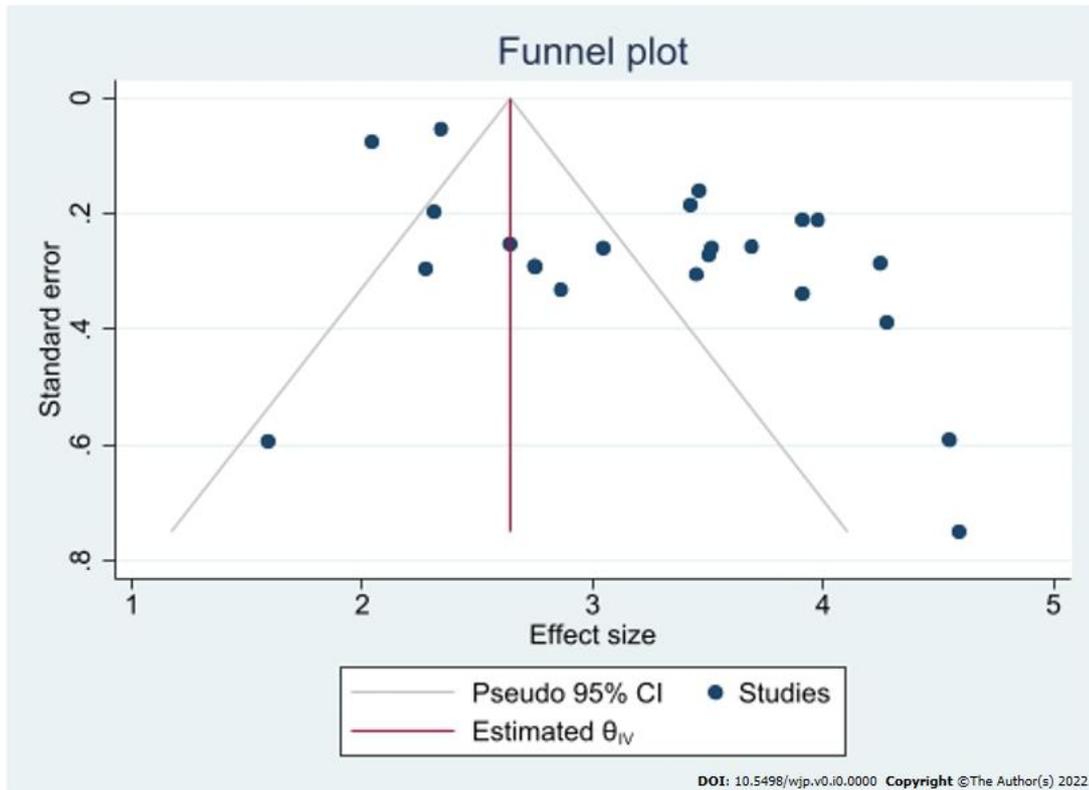
Funnel plot

Supplementary Figure 23 Funnel plot for anxiety during SARS-CoV.

Note: data input format *theta se_theta* assumed

Egger's test for small-study effects:
Regress standard normal deviate of intervention
  effect estimate against its standard error

Number of studies = 23   Root MSE   =   2.92

Std_Eff	Coef.	Std. Err.	t	P>|t|	[95% Conf. Interval]	
slope	2.070698	.1629892	12.70	0.000	1.731743	2.409652
bias	4.374346	.9759319	4.48	0.000	2.344784	6.403907

Test of H0: no small-study effects   P = 0.000

Supplementary Figure 24 Egger's test for anxiety during SARS-CoV.
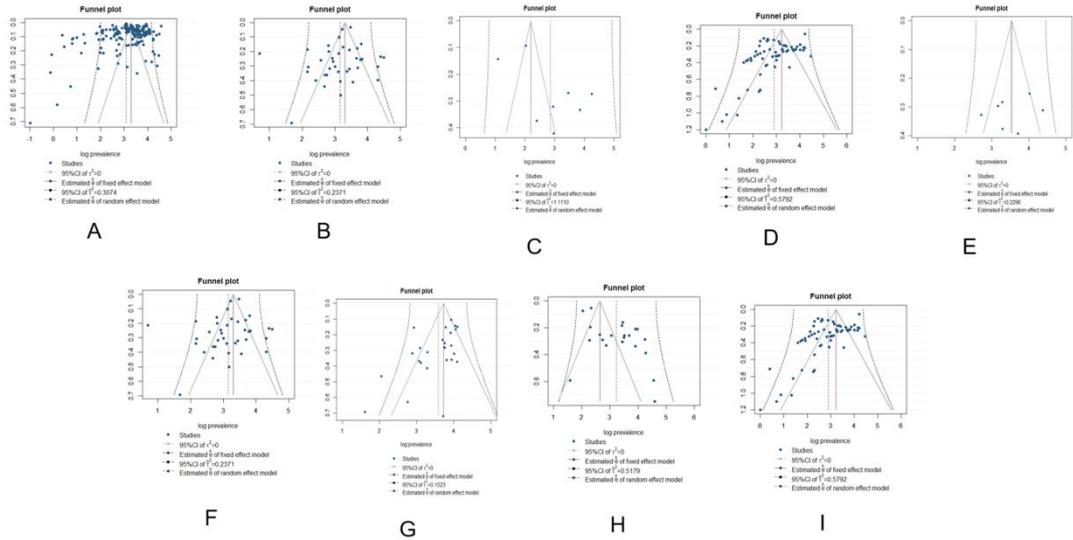
Supplementary Figure 25 Pooled prevalence of anxiety, depression and PTSD.

Supplementary Table 1 RoB

	NOS assessment			Sub-total assessment			Conclusion
	S	C	E/O	S⁺	C	E/O	ion
Kwek *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Fang *et al*	* * *	* *	* * *	Good	Good	Good	Good
Liang *et al*	* * *		* *	Good	Fair	Good	Fair
Dang *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Yip *et al*	* * *		* * *	Good	Poor	Good	Fair
Cheng *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Wu *et al*	* *	*	* * *	Fair	Fair	Good	Fair
MaK *et al*	* * *	* *	* * *	Good	Good	Good	Fair
Lee *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Hong *et al*	* * *	*	* * *	Good	Fair	Good	Fair
Hu *et al*	* *	*	* * *	Fair	Poor	Good	Poor
Chen *et al*	* *	*	* * *	Fair	Poor	Good	Poor
Ko *et al*	* * *	* *	* *	Good	Good	Fair	Fair
Lee	* *		* * *	Fair	Poor	Good	Poor
Hawryluck *et al*	* * *	*	* * *	Good	Fair	Good	Fair
Liu *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Su *et al*	* * *	*	* * *	Good	Fair	Good	Fair
Lam *et al*	* * *	*	*	Good	Fair	Poor	Poor
Shi *et al*	* * *	* *	* * *	Good	Good	Good	Good
Huang *et al*	* * *	* *	* * *	Good	Good	Good	Good
Yu *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Chang	* *	* *	* * *	GFair	Good	Good	Fair
Moldofsky *et al*	* * *	* *	* * *	Good	Good	Good	Good

Sun *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Lau *et al*	* *		* * *	Fair	Poor	Good	Poor
Reynolds *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Lancee *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Lin *et al*	* *	*	*	Fair	Fair	Fair	Poor
Gao *et al*	* *	* *	* *	Fair	Good	Good	Fair
Xu *et al*	* * *	* *	*	Good	Good	Fair	Fair
Shan *et al*	* * *	* *	* * *	Good	Good	Good	Good
Sim *et al*	* *	*	* * *	Fair	Good	Good	Fair
Wu *et al*	* *	* *	*	Fair	Good	Fair	Fair
Chen *et al*	*	* *	* * *	Poor	Good	Good	Poor
Tham *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Maunder *et al*	* * *	* *	* * *	Good	Good	Good	Good
Mak	* *	* *	*	Fair	Good	Fair	Fair
McAlonan *et al*	* *	* *	* * *	Fair	Good	Fair	Good
Jiyoon Shin	* *	*	* * *	Fair	Fair	Good	Fair
Dae Hyun Um	* * * *	* *	* * *	Good	Good	Good	Good
Mostafa A. Abolfotouh	*	*	* * *	Poor	Fair	Good	Poor
Heeja Jung	* *	* *	* * *	Fair	Good	Good	Good
So-Hyun Ahn	* * *	*	* * *	Good	Fair	Good	Good
So Hee Lee	* *	*	* * *	Fair	Fair	Good	Fair

Younglee Kim	* * *	* *	* * *	Good	Good	Good	Good
Namhee Oh	* *	*	* * *	Fair	Fair	Good	Fair
Yae Eun Seo	* * *	* *	* * *	Good	Good	Good	Good
Ji Soo Kim	* * * *	* *	* * *	Good	Good	Good	Good
Son *et al*	* *	*	* * *	Fair	Good	Good	Fair
Ji-Seon Park	* * *	* *	* * *	Good	Good	Good	Good
Al-Rabiaah *et al*	* * *	* *	* * *	Good	Good	Good	Good
Park *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Cho *et al*	* * *	* *	* * *	Good	Good	Good	Good
Kim *et al*	*	* *	* * *	Poor	Good	Good	Poor
Lee *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Kim *et al*	*	*	* * *	Poor	Fair	Good	Poor
Jeong *et al*	* *	* *	* * *	Fair	Good	Good	Good
Bukhari *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Mollers *et al*	* *	*	*	Fair	Fair	Fair	Poor
Zheng *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Dong *et al*	* * *	* *	* * *	Good	Good	Good	Good
Yan *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Bonsaken *et al*	* *	* *	*	Fair	Good	Fair	Fair
Zhang *et al*	* *	* *	* * *	Fair	Good	Good	Fair

Li *et al*	* * *	*	* * *	Good	Fair	Good	Fair
Liang *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Salehi *et al*	* * * *	* *	* * *	-	-	-	-
Bartoszek *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Brailovskaia *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Daly *et al*	* * *	* *	* * *	Good	Good	Good	Good
Fong *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Fountoulakis *et al*	* * *	*	* * *	Good	Good	Good	Fair
Fukase *et al*	* *	*	* * *	Fair	Good	Good	Fair
Garre-Olmo *et al*	* * *	* *	* * *	Good	Good	Good	Good
Mahamid *et al*	*	*	* * *	Poor	Fair	Good	Fair
O'Connor *et al*	* *	*	*	Fair	Fair	Fair	Poor
Peng *et al*	* * *	* *	* * *	Good	Good	Good	Good
Silva *et al*	* * *	* *	* * *	Good	Good	Good	Good
Arac S *et al*	*	* *	* * *	Poor	Good	Good	Fair
Azoulay *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Cai *et al*	* *	* *	*	Fair	Good	Fair	Fair
Eweida *et al*	*	* *	* * *	Poor	Good	Good	Fair
Khanal *et al*	* * *	*	* * *	Good	Fair	Good	Fair

Saracoglu et al	* * *	* *	* * *	Good	Good	Good	Good
Song et al	* * *	* *	* * *	Good	Good	Good	Good
Rathod et al	* *	* *	* * *	Fair	Good	Good	Fair
Ozdin et al	* * *	*	* * *	Good	Fair	Good	Fair
Ni et al	* *	* *	* * *	Fair	Good	Good	Fair
Lai et al	* *	*	* * *	Fair	Fair	Good	Fair
Lu et al	* * *	* *	* * *	Good	Good	Good	Good
Zhang et al	* *		* * *	Fair	Poor	Good	Fair
Chew et al	* *	* *	*	Fair	Good	Fair	Fair
Zhang et al	* * *	* *	* * *	Good	Good	Good	Good
Huang et al	* *	* *	* * *	Fair	Good	Good	Fair
Gonzalez-Sanguino et al	* *	*	* * *	Fair	Fair	Good	Fair
Mazza et al	* * *	* *	* * *	Good	Good	Good	Good
Tan et al	* * *	* *	* * *	Good	Good	Good	Good
Gao et al	* *	*	* * *	Fair	Fair	Good	Fair
Ahmed et al	* *		* * *	Fair	Poor	Good	Fair
Casagrande et al	* *		* * *	Fair	Poor	Good	Fair
Moghanibashi-Mansourieh	* *	* *	*	Fair	Good	Fair	Fair
Zhou et al	* * *	* *	* * *	Good	Good	Good	Good

Xiao *et al*	* * *	* *	* * *	Good	Good	Good	Good
Ordiozola-Gonzalez *et al*	* *	* *	* * *	Fair	Good	Good	Fair
McKay *et al*	* * *		* * *	Good	Poor	Good	Fair
Tian *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Cellini *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Wang *et al*	* *		* * *	Fair	Poor	Good	Poor
Ma *et al*	*	*	* * *	Poor	Fair	Good	Fair
Hamm *et al*	* * *	* *	* * *	Good	Good	Good	Good
Lechner *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Zhou *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Mamun *et al*	* *	*	*	Fair	Fair	Fair	Poor
Tang *et al*	* *		* * *	Fair	Poor	Good	Fair
Wang *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Jiang *et al*	* * *	* *	* * *	Good	Good	Good	Good
Youssef *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Naser *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Wanigasooriya *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Lu *et al*	* * *	* *	* * *	Good	Good	Good	Good
Francisco	* *	*	* * *	Fair	Fair	Good	Fair

Magnavita *et al*	* *		* * *	Fair	Poor	Good	Poor
Sun *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Wright *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Islam *et al*	* *		* * *	Fair	Poor	Good	Fair
Duncan *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Judith *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Faulker *et al*	* * *	* *	* * *	Good	Good	Good	Good
Silva *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Franceschini *et al*	* * *	* *	* * *	Good	Good	Good	Good
Zheng *et al*	* *		* * *	Fair	Poor	Good	Fair
Omari *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Wu *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Zalzaid *et al*	* *		* * *	Fair	Poor	Good	Fair
Bareeqa *et al*	* * * *	* *	* * *	-	-	-	-
Alamri *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Sahin *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Pan *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Mrklas *et*	* * *	* *	* * *	Good	Good	Good	Good

al							
Riello *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Wang *et al*	* * *	* *	* * *	Good	Good	Good	Good
Shrestha *et al*	* *	*	*	Fair	Fair	Fair	Fair
Shah *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Trumello *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Traunmuller *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Hyun *et al*	* *		* * *	Fair	Poor	Good	Fair
Wang *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Juan *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Every-Palmer *et al*	* * *	* *	* * *	Good	Good	Good	Good
Shetchter *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Ferrucci *et al*	* * *	* *	* * *	Good	Good	Good	Good
Liu *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Giuseppe *et al*	* *	* *	* * *	Fair	Good	Good	Fair
McCracken *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Yang *et al*	* *		* * *	Fair	Poor	Good	Fair
Tee *et al*	* *	* *	* * *	Fair	Good	Good	Fair

Pandey *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Duong *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Smith *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Ran *et al*	* *	*	*	Fair	Fair	Fair	Fair
Thomas *et al*	* *		* * *	Fair	Poor	Good	Poor
Monterrosa-Castro *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Johnson *et al*	* *	*	*	Fair	Fair	Fair	Fair
Barzilay *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Chen *et al*	* * *	* *	* * *	Good	Good	Good	Good
Hetkamp *et al*	* * *	* *	* * *	Good	Good	Good	Good
Idrissi *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Prasad *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Florin *et al*	* *		* * *	Fair	Poor	Good	Fair
Bahadir-Yilmaz *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Mosolova *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Kar *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Lu *et al*	* *	* *	* * *	Fair	Good	Good	Fair

Rapisarda et al	* * *	* *	*	Fair	Good	Poor	Fair
Dawel et al	* *	*	* * *	Fair	Fair	Good	Fair
Crowe et al	* *	* *	* * *	Fair	Good	Good	Fair
Massad et al	* * *	* *	*	Fair	Good	Poor	Fair
Banna et al	* *	* *	* * *	Fair	Good	Good	Fair
Zhang et al	* *		* * *	Fair	Poor	Good	Fair
Ning et al	* *	* *	* * *	Fair	Good	Good	Fair
Li et al	* * *	* *	*	Fair	Good	Poor	Fair
Mahyijari et al	* *	*	* * *	Fair	Fair	Good	Fair
Xiaoming et al	* * *	* *	* * *	Good	Good	Good	Good
Fancourt et al	* * *	* *	* * *	Good	Good	Good	Good
Sediri et al	* *	*	* * *	Fair	Fair	Good	Fair
Varma et al	* * *	* *	*	Fair	Good	Poor	Fair
Liu et al	* *	* *	* * *	Fair	Good	Good	Fair
Setiawti et al	* * *	* *	*	Fair	Good	Poor	Fair
Nkire et al	* *	* *	* * *	Fair	Good	Good	Fair
Robillard et al	* *	*	* * *	Fair	Fair	Good	Fair
Cenat et al	* * * *	* *	* * *	-	-	-	-
Hong et al	* *	* *	* * *	Fair	Good	Good	Fair
Capasso et	* *	* *	* * *	Fair	Good	Good	Fair

al

Study							
Hummel *et al*	* *		* * *	Fair	Poor	Good	Fair
Greenberg *et al*	* * *	* *	* * *	Good	Good	Good	Good
Tiete *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Havaei *et al*	* * *	* *	* * *	Good	Good	Good	Good
Puccinelli *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Cansel *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Chew *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Zheng *et al*	* *		* * *	Fair	Poor	Good	Fair
Mekonen *et al*	* *	* *	* * *	Fair	Good	Good	Fair
Hazarika *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Winkler *et al*	* * *	* *	* * *	Good	Good	Good	Good
Benke *et al*	* *	*	* * *	Fair	Fair	Good	Fair
Creese *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Bendau *et al*	* *		* * *	Fair	Poor	Good	Poor
Cheng *et al*	* * *	* *	*	Fair	Good	Poor	Fair
Civantos *et al*	* *	* *	* * *	Fair	Good	Good	Fair
AlAteeq *et al*	* *		* * *	Fair	Poor	Good	Fair

Shah et al	* *	*	* * *	Fair	Fair	Good	Fair
Than et al	* * *	* *	*	Fair	Good	Poor	Fair
Zhao et al	* *	*	* * *	Fair	Fair	Good	Fair
Wang et al	* *	* *	* * *	Fair	Good	Good	Fair
Suryavanshi et al	* * *	* *	*	Fair	Good	Poor	Fair
Gorini et al	* *	*	*	Fair	Fair	Fair	Fair
O'Connor et al	* *		* * *	Fair	Poor	Good	Poor
Kwong et al	* *	* *	* * *	Fair	Good	Good	Fair
He et al	* *	*	*	Fair	Fair	Fair	Fair
Guo et al	* *	*	* * *	Fair	Fair	Good	Fair
Pieh et al	* *		* * *	Fair	Poor	Good	Fair
Jewell et al	* * *	* *	* * *	Good	Good	Good	Good
Alonso et al	* *	* *	* * *	Fair	Good	Good	Fair
Khanal et al	* *	*	* * *	Fair	Fair	Good	Fair
Fisher et al	* * *	* *	* * *	Good	Good	Good	Good
Rossi et al	* * *	* *	* * *	Good	Good	Good	Good
Shermna et al	* *	* *	* * *	Fair	Good	Good	Fair
Roma et al	* *		* * *	Fair	Poor	Good	Poor
Yuan et al	* *	* *	* * *	Fair	Good	Good	Fair

Giannopo ulou et al	**	*	***	Fair	Fair	Good	Fair

A Good quality score was awarded 3 or 4 stars in selection, 1 or 2 in comparability, and 2 or 3 stars in outcomes.

A Fair quality score was awarded 2 stars in selection, 1 or 2 stars in comparability, and 2 or 3 stars in outcomes.

A Poor quality score was allocated 0 or 1 star(s) in selection, 0 stars in comparability, and 0 or 1 star(s) in outcomes domain.

NOS: Newcastle-Ottawa Scale; S: Selection; C: Comparability; E/O: Exposure/outcome.

Supplementary Table 2 58 studies that are included in systematic review for MERS

Study ID	Ref.	Study type	Study ID	Ref.	Study type	Quality assessment (NOS)
1	Galli *et al*	SR & Meta-analysis	30	Knawy *et al*	Qualitative	-
2	Patel *et al*	SR & Meta-analysis	31	Du *et al*	SR	-
3	Sirois *et al*	SR	32	Wang *et al*	SR	-
4	Pablo *et al*	SR & Meta-analysis	33	Magill *et al*	Rapid review	-
5	Serrano-Ripoll *et al*	SR & Meta-analysis	34	Moreira *et al*	Narrative	-
6	Fan *et al*	Meta-analysis	35	Park *et al*	Narrative	-
7	AHMED *et al*	SR & Meta-analysis	36	JP *et al*	Narrative	-
8	O'Sullivan *et al*	Narrative	37	Arabi *et al*	Narrative	-
9	Boden *et al*	Meta-analysis	38	Shin *et al*	Qualitative	-
10	Kunzler *et al*	SR	39	Um *et al*	Qualitative	-
11	Soklaridis *et al*	SR	40	Abolfotouh *et al*	Qualitative	-
12	Bell *et al*	Meta-analysis	41	Jung *et al*	Qualitative	-
13	Usher *et al*	Rapid review	42	Ahn *et al*	Qualitative	-
14	Neelam *et al*	SR & Meta-analysis	43	Lee *et al*	Qualitative	-
15	C´enat *et al*	SR & Meta-analysis	44	Kim *et al*	Qualitative	-
16	Stuijfzand *et al*	Rapid review	45	Oh *et al*	Qualitative	-
17	Carmassi *et al*	SR	46	Seo *et al*	Qualitative	-
18	Cabarkapa	SR	47	Son *et al*	Qualitative	-

	et al					
19	Brown *et al*	Rapid review	48	Park *et al*	Qualitative	-
20	Zhou *et al*	SR & Meta-analysis	49	Jeong *et al*	Qualitative	-
21	Sommer *et al*	Narrative	50	Al-Rabiaah *et al*	Qualitative	-
22	Preti *et al*	Rapid review	51	Park *et al*	Qualitative	-
23	Shahrajabian *et al*	Narrative	52	Cho *et al*	Qualitative	-
24	Cavicchioli *et al*	SR	53	Kim *et al*	Qualitative	-
25	Almutairi *et al*	Narrative	54	Lee *et al*	Qualitative	-
26	Son *et al*	Narrative	55	Kim *et al*	Qualitative	-
27	Khalid *et al*	Quantitative	56	Bukhari *et al*	Qualitative	6
28	Pollock *et al*	SR	57	Mollers *et al*	Qualitative	-
29	Sutton *et al*	Narrative	58	Kang *et al*	Narrative	-

Supplementary Table 3 80 studies that are included in systematic review for SARS

Study ID	Ref.	Study type	Study ID	Ref.	Study type	Quality assessment (NOS)
1	Cheng *et al*	Cross-sectional	42	Ng *et al*	Randomised controlled trial	5
2	Cheng *et al*	Cross-sectional	43	Lancee *et al*	Cross-sectional	7
3	Cheng *et al*	Prospective cohort	44	Lam *et al*	Retrospective cohort	6
4	Chen *et al*	Prospective cohort	45	Kwek *et al*	Cross-sectional	7
5	Chen *et al*	Prospective cohort	46	Koh *et al*	Cross-sectional	7
6	Chen *et al*	Cross-sectional	47	Ko *et al*	Cross-sectional	7
7	Lin *et al*	Cross-sectional	48	Hui *et al*	Prospective cohort	4
8	Yu *et al*	Prospective cohort	49	Huang *et al*	Cross-sectional	6
9	Xu *et al*	Cross-sectional	50	Hu *et al*	Cross-sectional	7
10	Wu *et al*	Cross-sectional	51	Lin *et al*	Cross-sectional	5
11	Wu *et al*	Cross-sectional	52	Leung *et al*	Cross-sectional (multiple timepoints)	8
12	Wu *et al*	Cross-sectional (multiple timepoints)	53	Lee *et al*	Cross-sectional	7
13	Wong *et al*	Cross-sectional	54	Lee *et al*	Case control	6
14	Tham *et al*	Cross-sectional	55	Lee *et al*	Cross-sectional	6

15	Zhang et al	Cross-sectional	56	Lee et al	Cross-sectional	4
16	Tansey et al	Prospective cohort	57	Hong et al	Prospective cohort	4
17	Tang et al	Retrospective	58	Hawryluck et al	Cross-sectional	5
18	Tan et al	Retrospective observational	59	Guo et al	Prospective cohort	4
19	Tam et al	Cross-sectional	60	Gao et al	Prospective cohort	5
20	Su et al	Prospective cohort	61	Chua et al	Cross-sectional	6
21	Styra et al	Cross-sectional	62	Chua et al	Cross-sectional	5
22	Moldofsky et al	Retrospective cohort	63	Chong et al	Cross-sectional	6
23	Wang et al	Cross-sectional	64	Liu et al	Cross-sectional	6
24	Wang et al	Prospective cohort	65	Cheung et al	Observational	6
25	Verma et al	Cross-sectional	66	Cheng et al	Cross-sectional	4
26	McAlonan et al	Cross-sectional (multiple timepoint)	67	Cheng et al	Cross-sectional	7
27	Maunder et al	Cross-sectional	68	Chang et al	Cross-sectional	5
28	Maunder et al	Cross-sectional	69	Chan et al	Not controlled clinical trial	5
29	Marjanovic et al	Cross-sectional	70	Fiksenbaum et al	Cross-sectional	6
30	Mak et al	Retrospective	71	Fang et al	Cross-sectional	6

		cohort				
31	Mak *et al*	Retrospective cohort	72	Jin *et al*	Non-controlled interventional	6
32	Lung *et al*	Prospective cohort	73	Wang *et al*	Cross-sectional	5
33	Lau *et al*	Cross-sectional	74	Liang *et al*	Prospective cohort	7
34	Lau *et al*	RCT	75	Dang *et al*	Cross-sectional	7
35	Shi *et al*	Prospective cohort	76	Shan *et al*	Cross-sectional	6
36	Reynolds *et al*	Cross-sectional	77	Chen *et al*	Cross-sectional	7
37	Poon *et al*	Cross-sectional	78	Yip *et al*	Prospective cohort	7
38	Phua *et al*	Cross-sectional	79	Sim *et al*	cross-sectional	-
39	Peng *et al*	Cross-sectional	80	Sun *et al*	Prospective cohort	6
40	Peng *et al*	Cross-sectional	81	Xu *et al*	Cross-sectional	4
41	Nickell *et al*	Cross-sectional	82	Nickell *et al*	Cross-sectional	5

Supplementary Table 4 513 studies that are included in systematic review for SARS-CoV-2

Study ID	Ref.	Country	Quality assessment (NOS)	Study ID	Ref.	Country	Quality assessment (NOS)		Ref.	Country	Quality assessment (NOS)
1	Jiang *et al*	China	7	172	Niedzwiedz *et al*	NA	5	343	Zhang *et al*	China	5
2	Youssef *et al*	NA	5	173	Than *et al*	Vietnam	5	344	Zhang *et al*	China	5
3	Liu *et al*	China	6	174	Zhao *et al*	NA	5	345	Zhou *et al*	China	6
4	Van Rheenen *et al*	NA	7	175	Wang *et al*	China	6	346	Abdessater *et al*	France	5
5	Song *et al*	China	7	176	Suryavanshi *et al*	India	5	347	Ahmed *et al*	Multinational (Pakistan > Saudi Arabia > others)	5
6	Naser *et al*	NA	5	177	Gorini *et al*	Italy	6	348	Alhaj *et al*	Multinational (Canada, United States, others)	6
7	Woon *et al*	NA	4	178	O'Connor *et al*	United Kingdom	4	349	Amerio *et al*	Italy	6

8	Wanigasoo riya et al	NA	6	179	Kwong et al	United Kingdom	6	350	Badahdah et al	Oman	5
9	Jung et al	NA	6	180	He et al	China	5	351	Bohlken et al	Germany	5
10	Yang et al	NA	5	181	Gonzalez-Sanguino et al	Spain	5	352	Cai et al	China	6
11	Eweida et al	NA	5	182	Guo et al	Hong Kong	6	353	Cai et al	China	7
12	Bartoszek et al	Poland	5	183	Jewell et al	United States	7	354	Chew et al	Multinational (Singapore, India)	7
13	Rohr et al	NA	6	184	Alonso et al	Spain	6	355	Consolo et al	Italy	5
14	Lu et al	China	7	185	Khanal et al	Nepal	5	356	Gan et al	China	7
15	Francisco et al	Portugue	6	186	Liang et al	NA	5	357	Huang et al	China	5
16	Magnavita et al	NA	4	187	Jia et al	NA	6	358	Kang et al	China	6
17	Sun et al	NA	5	188	Yitayih et al	NA	5	359	Khusid et al	United States	6
18	Wright et al	NA	6	189	Antonijevic et al	NA	6	360	Lai et al	China	7
19	Islam et al	Banglad esh	5	190	Fisher et al	NA	7	361	Mo et al	China	5
20	Duncan et al	NA	6	191	Rossi et al	NA	7	362	Pu et al	China	6

21	Judith *et al*	United States	5	192	Shermna *et al*	United States	6	363	Rossi *et al*	Italy	7
22	Faulker *et al*	United Kingdom, Ireland, New Zealand and Australia	7	193	Kotera *et al*	NA	5	364	Sahu *et al*	India	6
23	Lopez-Moreno *et al*	NA	5	194	Erquicia *et al*	NA	5	365	Shacham *et al*	Israel	5
24	Silva *et al*	NA	6	195	Marton *et al*	NA	4	366	Suleiman *et al*	Jordan	5
25	Franceschini *et al*	NA	7	196	Roma *et al*	NA	4	367	Tan *et al*	Singapore	5
26	Bonsaken *et al*	NA	5	197	Cao *et al*	NA	5	368	Wang *et al*	China	7
27	Zhang *et al*	NA	5	198	Hau Ng *et al*	NA	4	369	Wu *et al*	China	7
28	Zheng *et al*	NA	5	199	Hannein *et al*	NA	5	370	Xiao *et al*	China	6
29	Huang *et al*	China	6	200	Chen *et al*	NA	6	371	Xu *et al*	China	6
30	Omari *et al*	Oman, Saudi Arabia, Jordan,	5	201	Pinkham *et al*	NA	5	372	Yin *et al*	China	5

		Iraq, United Arab Emirates and Egypt										
31	Liu *et al*	NA	5	202	Canet-Juric *et al*	NA	6	373	Zhang *et al*	China	7
32	Mamun *et al*	Banglad esh	4	203	Pakpour *et al*	NA	5	374	Zhang *et al*	Iran	7
33	Wu *et al*	China	6	204	Zhang *et al*	NA	4	375	Zhu *et al*	China	6
34	Zalzaid *et al*	NA	5	205	Attal *et al*	NA	5	376	Cai *et al*	China	7
35	Ettman *et al*	NA	6	206	Das *et al*	NA	5	377	Durank us *et al*	Turkey	7
36	Bareeqa *et al*	China	-	207	Yuan *et al*	NA	6	378	Li *et al*	China	6
37	Pappa *et al*	NA	-	208	Galli *et al*	NA	-	379	Liu *et al*	China	6
38	Alamri *et al*	Saudi Arabia	5	209	Sun *et al*	NA	6	380	Wu *et al*	China	7
39	Sahin *et al*	Turkey	6	210	Giebe *et al*	NA	5	381	Xu *et al*	China	5
40	Pan *et al*	NA	5	211	IOB *et al*	NA	6	382	Yassa *et al*	Turkey	5
41	Mrklas *et al*	NA	7	212	Giannopou lou *et al*	NA	5	383	Büntzel *et al*	Germany	5
42	Riello *et al*	NA	6	213	Wang *et al*	NA	4	384	Guo *et al*	China	6
43	Wang *et al*	China	7	214	Jacob *et al*	NA	6	385	Hao *et al*	China	5
44	Shrestha *et al*	NA	5	215	Tran *et al*	NA	6	386	Hao *et al*	China	5
45	Krishnamo	NA	-	216	Lange *et al*	NA	6	387	Huang	China	7

	orthy *et al*					*et al*					
46	Cenat *et al*	DRC	-	217	Winkler *et al*	NA	5	388	Iasevoli *et al*	Italy	7
47	Shah *et al*	NA	5	218	Songul *et al*	NA	6	389	Jin *et al*	China	6
48	Peng *et al*	NA	6	219	Xie *et al*	NA	5	390	Ko *et al*	Taiwan	6
49	Trumello *et al*	NA	5	220	Zhao *et al*	NA	5	391	Li *et al*	China	6
50	Ammar *et al*	NA	5	221	Huang *et al*	NA	7	392	Lu *et al*	China	5
51	Traunmuller *et al*	Austria	5	222	Civantos *et al*	NA	6	393	Ni *et al*	China	5
52	Hyun *et al*	United States	6	223	Alateeq *et al*	NA	6	394	Sanchez *et al*	United States	7
53	Wang *et al*	China	6	224	Shah *et al*	NA	5	395	Wu *et al*	China	6
54	Fernandez *et al*	NA	5	225	Than *et al*	NA	5	396	Yuan *et al*	China	6
55	Juan *et al*	China	5	226	Suryavanshi *et al*	NA	5	397	Zhang *et al*	China	5
56	Every-Palmer *et al*	New Zealand	7	227	Gorini *et al*	NA	7	398	Zhang *et al*	China	6
57	Shetchter *et al*	United States	5	228	Du *et al*	NA	7	399	Zhu *et al*	China	7
58	Dagnino *et al*	NA	6	229	He *et al*	NA	7	400	Lafrenz *et al*	Portland, Oregon	6
59	Ferrucci *et al*	North Italy	7	230	Alonso *et al*	NA	7	401	Vitagliano *et al*	United States	6
60	Liu *et al*	NA	6	231	Khanal *et al*	NA	6	402	Ochnik *et al*	9 countries	8
61	Schwinger	NA	**5	232	Lai *et al*	NA	5	403	Basu *et*	64	7

No	Author	Country	Score	No	Author	Country	Score	No	Author	Country	Score
	et al								*al*	countries	
62	Giuseppe *et al*	Italy	5	233	Liang *et al*	NA	7	404	Rasania *et al*	30 states and union territories of the country	7
63	McCracken *et al*	Sweden	6	234	Yitayih *et al*	NA	6	405	Zheng *et al*	China	5
64	Yang *et al*	NA	5	235	Maciaszek *et al*	NA	7	406	Mahmood *et al*	Pakistan	6
65	Tee *et al*	Philippine	5	236	Antonijevic *et al*	NA	7	407	Li *et al*	China	5
66	Rathod *et al*	NA	6	237	Rossi *et al*	NA	7	408	Chen *et al*	China and Taiwan	5
67	Pandey *et al*	India	5	238	Robles *et al*	NA	6	409	Leucht *et al*	N/A	-
68	Duong *et al*	Vietnam	6	239	Wang *et al*	NA	7	410	Dong *et al*	China, Italy, Iran, India, Korea, Ecuador, Switzerland, Germany	7
69	Smith *et al*	United States	5	240	Kotera *et al*	NA	5	411	Wu *et al*	China	-
70	Ran *et al*	China	5	241	Ni *et al*	NA	6	412	Cheng *et al*	China	-
71	Ceri *et al*	NA	5	242	Lai *et al*	NA	6	413	Gong *et al*	China	-

No.	Author	Country	Score	No.	Author	Country	Score	No.	Author	Country	Score
72	Martinotti et al	NA	5	243	Lu et al	NA	7	414	Chaomin et al	China	7
73	Li et al	NA	5	244	Wu et al	China	6	415	Jonathan et al	N/A	-
74	Thomas et al	United Arab Emirates	4	245	Yin et al	China	5	416	Philip et al	Republic of Ireland	7
75	Monterrosa-Castro et al	NA	5	246	Zhang et al	NA	6	417	Hennigan et al	Ireland	6
76	Johnson et al	NA	6	247	Chew et al	NA	7	418	Castellini et al	Italy	7
77	Pieh et al	United Kingdom	6	248	Kang et al	China	7	419	Xue et al	China	7
78	Fong et al	Hong Kong	5	249	Wu et al	China	6	420	Ramiz et al	France	6
79	Barzilay et al	NA	6	250	Zhang et al	NA	7	421	Joshua et al	United States	7
80	Chen et al	China	7	251	Valdes-Florido et al	Spain	5	422	Amendola et al	Switzerland	7
81	Skoda et al	NA	6	252	Sahoo et al	India	4	423	Kaiting et al	China	6
82	Wang et al	NA	6	253	Mehra et al	India	5	424	Mergel et al	Germany	7
83	Hetkamp et al	NA	7	254	Hao et al	China	5	425	Tyrone et al	South Africa	5
84	Idrissi et al	Morocco	5	255	Cao et al	China	7	426	Sofie et al	Iceland	7

85	Prasad *et al*	NA	6	256	Laing *et al*	China	6	427	Mahmoudi *et al*	Iran	4
86	Florin *et al*	NA	5	257	Tang *et al*	China	6	428	Stav *et al*	Israel	5
87	Bahadir-Yilmaz *et al*	NA	5	258	Liu *et al*	China	5	429	Anne *et al*	Ireland	7
88	Mosolova *et al*	Russia	6	259	Mazza *et al*	Italy	7	430	Emily *et al*	Canada	6
89	Kar *et al*	NA	5	260	Tan *et al*	China	7	431	Alonzo *et al*	Guatemala	5
90	Xu *et al*	NA	6	261	Gao *et al*	China	6	432	Pisula *et al*	Argentina	5
91	Azoulay *et al*	NA	5	262	Ahmed *et al*	China	6	433	Bhowmick *et al*	India	5
92	Brailovskaia *et al*	NA	5	263	Wang *et al*	China	5	434	Michelle *et al*	Refer to the below studies	
93	Lu *et al*	Taiwan	6	264	Jungmann *et al*	Germany	6	435	Matt *et al*	United States	6
94	Sasaki *et al*	NA	5	265	Casagrande *et al*	Italy	6	436	Pavan *et al*	United States	5
95	Rapisarda *et al*	NA	5	266	Moghanibashi-Mansourieh *et al*	Irania n	5	437	Cariou *et al*	NA	7
96	Dawel *et al*	Australia	6	267	Zhou *et al*	China	7	438	Nitesh *et al*	India	7
97	Liang *et al*	NA	5	268	Xiao *et al*	NA	7	439	Stavros *et al*	United States	7
98	Crowe *et al*	Canada	5	269	Odriozola-	Spain	6	440	Abhinav	NA	4

No.	Author	Country	Score	No.	Author	Country	Score	No.	Author	Country	Score
					Gonzalez *et al*					*et al*	
99	Usul *et al*	NA	5	270	McKay *et al*	China	6	441	Attias *et al*	France	5
100	Massad *et al*	Jordan	5	271	Satici *et al*	Turkey	5	442	Baker *et al*	N/A	-
101	Banna *et al*	Banglad esh	5	272	Tian *et al*	China	6	443	Rebecca *et al*	United States	7
102	Makhashvi li *et al*	NA	5	273	Cellini *et al*	Italy	6	444	Minghu an *et al*	China	6
103	Zhang *et al*	NA	6	274	Yuan *et al*	China	7	445	Sara *et al*	United States	7
104	Khamis *et al*	NA	4	275	Wu *et al*	China	6	446	Saloni *et al*	United States	7
105	Cai *et al*	NA	5	276	Ferrando *et al*	United States	5	447	Cindy *et al*	United States	5
106	Ning *et al*	China	5	277	Bhuiyan *et al*	Bangl adesh	5	448	Matt *et al*	N/A	-
107	Li *et al*	China	5	278	Griffiths *et al*	Illinoi s; India; Bangl adesh	5	449		United States	-
108	Saracoglu *et al*	NA	6	279	Spoorthy *et al*	India	-	450	Jennifer *et al*	United Kingdom	5
109	Mahyijari *et al*	NA	6	280	Oladunjoye *et al*	United States	-	451	Enrique *et al*	United States	-
110	Xiaoming	NA	7	281	Ma *et al*	NA	5	452	Jean *et al*	N/A	-

	et al										
111	Jacob *et al*	NA	6	282	Hamm *et al*	NA	7	453	Cecilia *et al*	Hong Kong	6
112	Li *et al*	NA	6	283	Murugana dam *et al*	India	5	454	Marci *et al*	United States	-
113	Li *et al*	NA	7	284	Rajkumar *et al*	India	-	455	Romina *et al*	United States	-
114	Fancourt *et al*	United Kingdom	7	285	Saccone *et al*	Italy	5	456	Alison *et al*	United States	-
115	Sediri *et al*	Tunisia	6	286	Vindegaard *et al*	Denmark	-	457	Ling *et al*	China	7
116	Bajaj *et al*	NA	5	287	Gao *et al*	United States	7	458	Carolin *et al*	Europe	6
117	Varma *et al*	NA	6	288	Rodriguez *et al*	United States	6	459	Philip *et al*	Australia	6
118	Lee *et al*	NA	5	289	Lechner *et al*	United States	6	460	Marisa *et al*	United States	5
119	Liu *et al*	NA	6	290	Maaravi *et al*	United Kingdom	5	461	Louis *et al*	United Kingdom	6
120	Velden *et al*	NA	6	291	Zhou *et al*	NA	5	462	Rodrigo *et al*	Latin America and the Caribbean	7
121	Setiawti *et al*	NA	5	292	Loades *et al*	NA	-	463	Shasha	China	6

	al							*et al*		
122	Chen *et al*	NA	6	293	Brown *et al*	Austr - alia		464	Fatemeh *et al*	Iran	6
123	Schmits *et al*	NA	5	294	Yang *et al*	China	6	465	Liwen *et al*	China	5
124	Chen *et al*	NA	5	295	de Bruin *et al*	Unite d States	7	466	Meryem *et al*	Turkey	6
125	Garre- Olmo *et al*	NA	6	296	Ahmad *et al*	Iraq (Kurd istan)	6	467	Didem *et al*	Turkey	6
126	Turchio *et al*	NA	6	297	Bacon *et al*	Italy and Spain	6	468	Medicin e (Baltimo re)	China	6
127	Paulino *et al*	NA	7	298	Bäuerle *et al*	Germ any	7	469	Wen *et al*	China	7
128	Nkire *et al*	Canada	6	299	Buzzi *et al*	Italy	7	470	Ritin *et al*	Australia	5
129	Daly *et al*	NA	6	300	Cao *et al*	China	7	471	Henok *et al*	Ethiopia	5
130	Fukase *et al*	NA	5	301	Chang *et al*	China	6	472	Erica *et al*	NA	4
131	Aharon *et al*	NA	6	302	Gao *et al*	China	6	473	Benjamí n *et al*	Mexico	5
132	Robillard *et al*	NA	6	303	Germani *et al*	Italy	5	474	Xue-Dan *et al*	China	5
133	Hong *et al*	China	6	304	González– *et al*	Spain	6	475	David *et al*	Kenya	6
134	Capasso *et al*	United	6	305	Sanguino *et al*	Unite d	7	476	Khamee	N/A	6

#	Author	Country	Score	#	Author	Country	Score	#	Author	Country	Score
	al	States			*al*	d Kingdom			s *et al*		
135	Hummel *et al*	NA	6	306	Harper *et al*	Iran	6	477	David *et al*	Canada	5
136	Amendola *et al*	NA	6	307	Jahanshahi *et al*	Croatia	6	478	Zeya *et al*	China	6
137	Greenberg *et al*	NA	8	308	Korajlija *et al*	United States	5	479	Yuanyuan *et al*	China	7
138	Tiete *et al*	NA	6	309	Lee *et al*	China	6	480	Michael *et al*	United States	7
139	Havaei *et al*	NA	7	310	Lei *et al*	China	6	481	Marie *et al*	United States	6
140	Robinson *et al*	NA	6	311	Li *et al*	China	5	482	Suresh *et al*	India	7
141	Puccinelli *et al*	Brazil	5	312	Liu *et al*	China	5	483	Jasmine *et al*	Canada and the United States	7
142	Cansel *et al*	NA	6	313	Liu *et al*	Spain	6	484	Eman *et al*	Jordan	5
143	Chew *et al*	Malaysia	5	314	Lopez *et al*	China	6	485	Maxime *et al*	Refer to the below data	
144	Fountoulakis *et al*	Greece	5	315	Ma *et al*	Italy	7	486	A.AlAteeq *et al*	Saudi Arabia	6
145	Zheng *et al*	China	6	316	Mazza *et al*	China	6	487	YingAn *et al*	China	6
146	Mahamid	Palestin	5	317	McKay *et al*	Italy	6	488	Anucha	Thailand	5

	et al	e							*et al*	
147	MacKenzie *et al*	NA	6	318	Moccia *et al*	Spain	7	489	Ahmed *et al*	Egypt, Saudi Arabia	5
148	Salehi *et al*	NA	-	319	González *et al*	United States	7	490	Allen *et al*	United States	6
149	Mekonen *et al*	Ethiopia	5	320	Olagoke *et al*	Spain	6	491	Assimina *et al*	Greece	7
150	Mohammadi *et al*	NA	6	321	Etxebarria *et al*	Turkey	6	492	Giulia *et al*	Italy	6
151	Hazarika *et al*	India	5	322	Özdin *et al*	Spain	5	493	Soares *et al*	Brasil	7
152	Mortier *et al*	NA	6	323	Perez *et al*	China, Hong Kong, Macao, Taiwan	7	494	Genesis *et al*	Malawi	5
153	de Bruin *et al*	NA	6	324	Fuentes *et al*	China	6	495	Hans *et al*	Ecuado	7
154	Winkler *et al*	NA	7	325	Qiu *et al*	Russia and Belarus	5	496	Minn *et al*	Myanmar	6
155	Bauerle *et al*	NA	7	326	Ren *et al*	India	5	497	Marco *et al*	7 European countries	7

156	Ma *et al*	NA	5	327	Reznik *et al*	Bangladesh	6	498	Solomon *et al*	Ethiopia	5
157	Sagherian *et al*	NA	6	328	Roy *et al*	Turkey	5	499	Marie-Michèle *et al*	Canada	6
158	Arac *et al*	NA	5	329	Sakib *et al*	Bangladesh	5	500	Joanna *et al*	Poland	5
159	Zhao *et al*	NA	5	330	Satici *et al*	United Kingdom	7	501	Ziyu *et al*	China	7
160	Ozdin *et al*	Turkey	6	331	Shammi *et al*	Italy	6	502	Mediavilla *et al*	Spain	7
161	Steinmetz *et al*	NA	5	332	Shevlin *et al*	United States	6	503	Gainer *et al*	United States	7
162	Lob *et al*	United Kingdom	7	333	Soraci *et al*	China	6	504	Urvish *et al*	36 countries	6
163	Cox *et al*	NA	5	334	Sutin *et al*	China	7	505	Elad *et al*	NA	7
164	Benke *et al*	Germany	6	335	Tan *et al*	Greece	8	506	Chidchanok *et al*	Thailand	6
165	Creese *et al*	NA	5	336	Tian *et al*	United States	6	507	Rebecca *et al*	United States	6
166	Weerakoon *et al*	NA	4	337	Tsipropoulou *et al*	Greece	6	508	Antonia *et al*	Germany	7
167	Bendau *et al*	Germany	4	338	Tull *et al*	China	5	509	Ana *et al*	Brasil	7
168	Cheng *et al*	United	6	339	Voitsidis *et al*	China	6	510	Yan *et al*	Chinese	5

		Kingdo m				*al*					
169	Civantos *et al*	Brazil	5		340	Wang *et al*	China	5	511	Ian *et al*	21 countries	5
170	AlAteeq *et al*	Saudi Arabia	5		341	Wang *et al*	China	7	512	Christop h *et al*	United Kingdom	7
171	Shah *et al*	United Kingdo m	5		342	Wang *et al*	China	6	513	Sangyoo n *et al*	Korea	6

Supplementary Table 5 188 studies that are included in meta-analysis for SARS-CoV-2

Study ID	Ref.	Number of subjects	Outcome	Quality assessment (NOS	Study ID	Ref.	Number of subjects	Outcome	Quality assessment (NOS_
1	Zheng *et al*	954	Anxiety, depression	5	95	Hyun *et al*	908	Anxiety	6
2	Dong *et al*	26590	Anxiety, depression	7	96	Wang *et al*	19372	Anxiety, depression	6
3	Yan *et al*	5175	Anxiety, depression	5	97	Juan *et al*	456	Anxiety, depression	5
4	Bonsaken *et al*	4527	PTSD	5	98	Every-Palmer *et al*	2010	Anxiety, depression	7
5	Zhang *et al*	642	PTSD	5	99	Shetchter *et al*	361	Anxiety	5
6	Li *et al*	1109	PTSD	5	100	Ferrucci *et al*	10025	Anxiety	7
7	Liang *et al*	584	PTSD	5	101	Liu *et al*	2126	Anxiety	6
8	Salehi *et al*	19428	PTSD	-	102	Giuseppe *et al*	5683	Anxiety, depression	5
9	Bartoszek *et al*	471	Depression	5	103	McCracken *et al*	1212	Anxiety, depression	6
10	Brailovskaia *et al*	1931	Depression	5	104	Yang *et al*	54	Anxiety, depression	5
11	Daly *et al*	5428	Depression	6	105	Tee *et al*	1879	Anxiety, depression, PTSD	5
12	Fong *et al*	590	Depression	5	106	Pandey *et*	1395	Anxiety,	5

							al		depression
13	Fountoulak is *et al*	3399	Depression	5		107	Duong *et al*	1385	Anxiety, depression	6
14	Fukase *et al*	2708	Depression	5		108	Smith *et al*	278	Anxiety, depression	5
15	Garre-Olmo *et al*	692	Depression	6		109	Ran *et al*	1770	Anxiety, depression	5
16	Mahamid *et al*	400	Depression	5		110	Thomas *et al*	1039	Anxiety, depression	4
17	Martinotti *et al*	119	Depression	5		111	Monterros a-Castro *et al*	531	Anxiety	5
18	O'Connor *et al*	3077	Depression	4		112	Johnson *et al*	1733	Anxiety, depression, PTSD	6
19	Peng *et al*	139	Depression, PTSD	6		113	Barzilay *et al*	1350	Anxiety, depression	6
20	Peng *et al*	2098	Depression, PTSD	6		114	Chen *et al*	7772	Anxiety, depression	7
21	Silva *et al*	348	Depression	6		115	Hetkamp *et al*	16245	Anxiety	7
22	Arac *et al*	100	Depression	5		116	Idrissi *et al*	846	Anxiety, depression	5
23	Arac *et al*	98	Depression	5		117	Prasad *et al*	347	Anxiety, depression	6
24	Azoulay *et al*	498	Depression	5		118	Florin *et al*	1515	Anxiety, depression	5
25	Cai *et al*	1173	Depression	5		119	Bahadir-Yilmaz *et al*	1457	Anxiety	5

26	Cai *et al*	1173	Depression	5	120	Mosolova *et al*	1090	Anxiety	6
27	Eweida *et al*	150	Depression	5	121	Kar *et al*	733	Anxiety, depression, PTSD	5
28	Khanal *et al*	475	Depression	5	122	Lu *et al*	1970	Anxiety	6
29	Saracoglu *et al*	208	Depression	6	123	Rapisarda *et al*	241	Anxiety	5
30	Song *et al*	14825	Depression, PTSD	7	124	Dawel *et al*	1296	Anxiety	6
31	Rathod *et al*	3984	Anxiety	6	125	Crowe *et al*	109	Anxiety, depression	5
32	Rathod *et al*	3933	Anxiety	6	126	Massad *et al*	5274	Anxiety	5
33	Ozdin *et al*	343	Anxiety, depression	6	127	Banna *et al*	1427	Anxiety, depression	5
34	Ni *et al*	214	Anxiety, depression	6	128	Zhang *et al*	2143	Anxiety	6
35	Ni *et al*	1577	Anxiety, depression	6	129	Ning *et al*	612	Anxiety, depression	5
36	Lai *et al*	1257	Anxiety, depression	6	130	Li *et al*	225	Anxiety, depression, PTSD	5
37	Lu *et al*	2042	Anxiety	7	131	Mahyijari *et al*	150	Anxiety	6
38	Lu *et al*	257	Anxiety	7	132	Xiaoming *et al*	8817	Anxiety, depression	7
39	Zhang *et al*	1563	Anxiety, depression	6	133	Fancourt *et al*	36520	Anxiety, depression	7
40	Chew *et al*	906	Anxiety	6	134	Sediri *et al*	751	Anxiety,	6

									depression	
41	Zhang *et al*	927	Anxiety	7		135	Varma *et al*	1653	Anxiety, depression	6
42	Huang *et al*	7236	Anxiety, depression	6		136	Liu *et al*	1090	Anxiety, depression	6
43	Gonzalez-Sanguino *et al*	3480	Anxiety	5		137	Setiawti *et al*	227	Anxiety	5
44	Mazza *et al*	2766	Anxiety	7		138	Nkire *et al*	8267	Anxiety, PTSD	6
45	Tan *et al*	673	Anxiety	7		139	Robillard *et al*	2651	Anxiety	6
46	Gao *et al*	4827	Anxiety, depression	6		140	Cenat *et al*	1267	Anxiety	-
47	Ahmed *et al*	1074	Anxiety	6		141	Hong *et al*	4692	Anxiety, depression	6
48	Casagrande *et al*	2291	Anxiety	6		142	Capasso *et al*	5850	Anxiety, depression	6
49	Moghanibashi-Mansourieh *et al*	10754	Anxiety	5		143	Hummel *et al*	609	Anxiety, depression	6
50	Zhou *et al*	8079	Anxiety, depression	7		144	Greenberg *et al*	709	Anxiety, PTSD	8
51	Xiao *et al*	170	Anxiety	7		145	Tiete *et al*	647	Anxiety, depression	6
52	Odriozola-Gonzalez *et al*	2530	Anxiety	6		146	Havaei *et al*	3676	Anxiety	7
53	McKay *et al*	908	Anxiety	6		147	Puccinelli	57	Anxiety	5

						et al			
54	Tian *et al*	1060	Anxiety, depression	6	148	Cansel *et al*	3549	Anxiety, depression	6
55	Cellini *et al*	1310	Anxiety, depression	6	149	Chew *et al*	200	Anxiety, depression	5
56	Wang *et al*	1210	Anxiety	5	150	Zheng *et al*	207	Anxiety, depression	6
57	Wang *et al*	1738	Anxiety	5	151	Mekonen *et al*	302	Anxiety, depression	5
58	Ma *et al*	34	Anxiety, depression	5	152	Hazarika *et al*	541	Anxiety, depression	5
59	Hamm *et al*	73	Anxiety	7	153	Winkler *et al*	3306	Anxiety	7
60	Lechner *et al*	4276	Anxiety	6	154	Benke *et al*	4335	Anxiety, depression	6
61	Zhou *et al*	11835	Anxiety	5	155	Creese *et al*	3281	Anxiety, depression	5
62	Mamun *et al*	10067	Depression	4	156	Bendau *et al*	1855	Anxiety, depression	4
63	Tang *et al*	2501	Depression	6	157	Bendau *et al*	1804	Anxiety, depression	4
64	Wang *et al*	1738	Anxiety	5	158	Bendau *et al*	1512	Anxiety, depression	4
65	Jiang *et al*	60199	Anxiety, depression	7	159	Bendau *et al*	1328	Anxiety, depression	4
66	Youssef *et al*	540	Anxiety, depression	5	160	Cheng *et al*	647	Anxiety	6
67	Naser *et al*	1798	Anxiety	5	161	Cheng *et al*	573	Anxiety	6
68	Wanigasooriya *et al*	2638	Anxiety, depression,	6	162	Cheng *et al*	623	Anxiety	6

			PTSD						
69	Lu et al	965	Anxiety, depression	7	163	Cheng et al	435	Anxiety	6
70	Francisco et al	767	Anxiety, depression	6	164	Civantos et al	163	Anxiety, depression, PTSD	5
71	Magnavita et al	90	Anxiety	4	165	AlAteeq et al	502	Anxiety	5
72	Sun et al	536	Anxiety	5	166	Shah et al	207	Anxiety, depression	5
73	Wright et al	571	Anxiety, depression	6	167	Than et al	173	Anxiety, depression	5
74	Islam et al	1311	Anxiety	5	168	Zhao et al	515	Anxiety, depression	5
75	Duncan et al	3971	Anxiety	6	169	Wang et al	1397	Anxiety, depression	6
76	Judith et al	695	Anxiety, depression	5	170	Wang et al	2794	Anxiety	6
77	Faulker et al	8425	Anxiety, depression	7	171	Suryavanshi et al	197	Anxiety, depression	5
78	Silva et al	806	Anxiety, depression	6	172	Gorini et al	650	Anxiety, depression	6
79	Franceschini et al	6439	Anxiety, depression	7	173	O'Connor et al	3077	Anxiety, depression	4
80	Zheng et al	617	Anxiety, depression	5	174	Kwong et al	2872	Anxiety, depression	6
81	Omari et al	1057	Anxiety, depression	5	175	Kwong et al	2872	Anxiety, depression	6
82	Wu et al	24789	Anxiety, depression	6	176	He et al	374	Anxiety, depression	5

83	Zalzaid *et al*	441	Anxiety	5	177	He *et al*	403	Anxiety, depression	5
84	Bareeqa *et al*	57311	Anxiety	-	178	Guo *et al*	2331	Anxiety, depression	6
85	Alamri *et al*	1597	Anxiety, depression	5	179	Pieh *et al*	1006	Anxiety	6
86	Sahin *et al*	939	Anxiety, depression	6	180	Jewell *et al*	1083	Anxiety, depression	7
87	Pan *et al*	194	Anxiety, depression	5	181	Alonso *et al*	9138	Anxiety, depression, PTSD	6
88	Mrklas *et al*	3951	Anxiety, depression	7	182	Khanal *et al*	475	Anxiety, depression	5
89	Riello *et al*	1071	Anxiety, PTSD	6	183	Fisher *et al*	13829	Anxiety, depression	7
90	Wang *et al*	4752	Anxiety, depression	7	184	Rossi *et al*	21342	Anxiety	7
91	Shrestha *et al*	101	Anxiety	5	185	Shermna *et al*	591	Anxiety, depression, PTSD	6
92	Shah *et al*	678	Anxiety	5	186	Roma *et al*	439	Anxiety, depression	4
93	Trumello *et al*	321	Anxiety	5	187	Yuan *et al*	3517	Anxiety	6
94	Traunmuller *et al*	4126	Anxiety, depression	5	188	Giannopoulou *et al*	442	Anxiety	5