

Heterogeneity and risk of bias in studies examining risk factors for severe illness and death in COVID-19: a systematic review and meta-analysis

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Table S17: Forest plot showing the relationship of gender with the odds of severe illness among COVID-19 patients

Author, year	OR	LCI	UCI	% Weight
Adamuz et al., 2020	1.2	0.87	1.67	1.55
Aiswarya et al., 2020	0.82	0.19	3.39	0.37
Akbariqomi et al., 2020	3.05	1.29	7.23	0.12
Alasia et al., 2021	1.95	0.96	3.93	0.42
Algado-Sellés et al., 2020	4.9	1.8	13.6	0.03
Allard et al., 2020	2.04	0.85	4.85	0.25
Allenbach et al., 2020	1.34	0.65	2.77	0.68
Alqahtani et al., 2020	0.51	0.24	1.09	1.51
Al-Samkari et al., 2020	0.61	0.41	0.93	1.77
Alsharidah et al., 2021	1.12	0.63	1.97	1.12
Amanat et al., 2021	1.38	1.03	1.86	1.52
Bailey et al., 2021	0.54	0.45	0.65	1.94
Bauer et al., 2020	1.29	0.99	1.69	1.63
Bhargava et al., 2020	0.57	0.32	1.03	1.62
Bi et al., 2020	2.5	1.1	6.1	0.17
Boero et al., 2020	1.25	0.73	2.14	1.07
Bolouri et al., 2021	1.33	0.94	2.67	0.87
Bravi et al., 2020	1.76	1.4	2.23	1.52
Cai et al., 2020	2.34	1.44	3.81	0.58
Çalık Başaran N et al., 2021	2.32	1.02	5.26	0.23
Cekerevac et al., 2021	1.16	0.55	2.47	0.77
Cen Y et al., 2020	1.69	1.26	2.28	1.37
Chaudhry et al., 2020	1.61	0.28	9.23	0.06
Chen et al., 2020	0.99	0.46	1.93	1.03
Chen J et al., 2020	1.14	0.97	1.34	1.86
Chen Q et al., 2020	0.94	0.46	1.93	1.03
Chen Z et al., 2020	1.71	1.21	2.44	1.20
Cheng et al., 2020	1.21	0.65	2.24	0.95
Cizmecioglu et al., 2020	1.54	0.36	6.44	0.12
Colaneri et al., 2020	2.6	0.67	10.06	0.05
Deng et al., 2020	1.79	0.83	3.84	0.41
Derikx et al., 2020	2.03	0.73	5.51	0.18
Du et al., 2020a	1.26	0.56	2.84	0.61
Duan et al., 2020	2.16	0.81	5.78	0.17
Etienne et al., 2020	2.36	0.69	7.97	0.08
Feng et al., 2020	1.6	1.04	2.45	1.07
Fernandes et al., 2021	0.91	0.45	1.89	1.05
Ghaffari et al., 2021	0.77	0.49	1.2	1.62
Gong et al., 2020	1.64	0.73	3.7	0.42
Guan et al., 2020b	0.97	0.7	1.36	1.66

Han et al., 2020	0.94	0.54	1.65	1.29
He et al., 2020	2.52	1.8	3.54	0.86
Hoffmann et al., 2021	1.21	0.5	2.9	0.57
Hu F et al., 2021	2.89	1.07	7.83	0.10
Hu L et al., 2020	1.13	0.73	1.76	1.36
Hu X et al., 2021	4.41	1.19	16.24	0.02
Huang R et al., 2020	2.29	0.86	6.07	0.16
Huang S et al., 2020	1.91	1.16	3.13	0.74
Jang et al., 2020	2.98	0.23	38.81	0.00
Ji et al., 2020	2.07	0.98	4.34	0.34
Ji et al., 2021	0.78	0.15	4.21	0.25
Jinag N et al., 2021	1.87	1	3.52	0.53
Kaeuffer et al., 2020	2.52	1.94	3.28	1.12
Karahan et al., 2020	1.37	0.69	2.75	0.70
Khan et al., 2020	2.02	1.22	3.34	0.68
Lei C et al., 2020	1.93	1.05	3.56	0.54
Lei et al., 2020	1.51	1.32	1.71	1.85
Lei F et al., 2020	1.51	1.32	1.71	1.85
Li H et al., 2020	5.31	2.21	12.75	0.04
Li K et al., 2020	1.5	0.57	3.88	0.35
Li T et al., 2020	1.28	0.79	2.07	1.16
Li X et al., 2020	1.6	1.14	2.24	1.30
Liu J et al., 2021	1.04	0.76	1.41	1.67
Liu S et al., 2020	1.69	0.99	2.89	0.78
Molinero et al., 2020	1.73	1.17	2.57	1.08
Nachega et al., 2020	1.39	0.97	1.98	1.38
Nguyen et al., 2020	2.01	1.34	3.04	0.89
Nie Y et al., 2020	0.84	0.51	1.38	1.49
Ouldali et al., 2021	0.5	0.2	1.3	1.30
Pei et al., 2020	1.78	1.15	2.76	0.94
Pereira et al., 2020	1.02	0.4	2.55	0.67
Pereira et al., 2020	1.02	0.4	2.55	0.67
Qin C et al., 2020	1.27	0.86	1.86	1.38
Ren et al., 2020	0.54	0.25	1.15	1.47
Sadeghi et al., 2020	0.98	0.27	3.5	0.36
Sadeghi-Haddad-Zavareh et al., 2020	1.35	0.91	2	1.31
Santus et al., 2020	2.22	1.05	4.72	0.29
Scarfo et al., 2020	0.73	0.34	1.57	1.20
Shah et al., 2020	1.02	0.38	2.76	0.58
Shahriarirad et al., 2020	1.04	0.29	3.78	0.32
Shao et al., 2020	0.94	0.43	2.02	0.95
Shi et al., 2020	2.66	1.37	5.17	0.28
Shi et al., 2020	6.8	1.44	32.2	0.00
Siepmann et al., 2020	2.77	1.1	6.99	0.13

Soleimani et al., 2020	0.4	0.22	0.71	1.79
Song et al, 2020	1.41	0.34	5.78	0.15
Stachura et al., 2021	1.07	0.47	2.41	0.76
Stefan et al., 2020	0.29	0.07	1.14	1.33
Sun L et al., 2020	0.84	0.25	2.78	0.53
Sun S et al., 2020	2.23	0.9	5.1	0.23
Tao et al., 2020	0.83	0.33	2.13	0.83
Tian et al., 2020	1.48	0.77	2.81	0.71
Tian et al., 2020	1.46	0.85	2.51	0.91
To et al., 2020	1.28	0.24	6.83	0.10
Tong et al., 2020	0.7	0.16	3.13	0.42
Vizcarra et al., 2020	2.71	0.3	24.42	0.01
Wan et al., 2020	0.91	0.11	1.91	0.83
Wang et al., 2020	1.62	0.56	4.71	0.24
Wang Fang et al., 2020	2.21	1.2	4.07	0.44
Wang Juan et al., 2020	0.66	0.37	1.2	1.52
Wang Junhong et al., 2020	1.68	0.93	3.02	0.69
Wang Peng et al., 2020	1.5	0.5	4.55	0.25
Wang Sijiao et al., 2020	2.23	0.56	8.77	0.07
Wang Wen et al., 2021	2.27	0.85	6.1	0.16
Wang Wenjun et al., 2021	0.85	0.71	1.02	1.89
Wang X et al., 2020	1.59	1.04	2.43	1.08
Wei et al., 2020	1.73	1.05	2.85	0.83
Wei X et al., 2020	1.6	1.12	2.3	1.24
Wei Z et al, 2021	0.86	0.31	2.21	0.78
Wu et al., 2020	1.016	0.6	1.7	1.30
Xie Y et al., 2020	2.03	0.72	5.73	0.17
Xiong S et al., 2020	1.01	0.46	2.22	0.85
Xu B et al., 2020	1.55	0.64	3.73	0.39
Yang Q et al., 2020	1.38	0.63	3.02	0.58
Yayla et al., 2020	1.15	0.1	13.25	0.03
Yu et al., 2020	4.6	1.7	12.6	0.04
Zachariah et al., 2020	0.63	0.15	2.68	0.53
Zhang G et al., 2020	1.85	0.77	4.45	0.29
Zhang Hongmei et al., 2020	1.46	0.54	3.96	0.33
Zhang Hongyan et al., 2020	2.37	1.09	5.18	0.24
Zhang Jing et al., 2020	1.22	0.92	1.62	1.63
Zhang KI et al., 2020	24.8	1.8	342.1	0.00
Zhang Lijuan et al., 2020	3.6	0.96	13.52	0.03
Zhang Nannan et al., 2021	3	0.33	27.06	0.01
Zhang Q et al., 2020	3.22	1.19	8.7	0.08
Zhang R et al., 2020	1.52	0.65	3.55	0.43
Zhang Y et al., 2020	3.45	1.46	8.17	0.10
Zhang Y et al., 2021	2.61	0.84	7.45	0.10
Zhao J et al., 2021	1.28	0.8	2.04	1.19

Zheng B et al., 2021	0.8	0.38	1.69	1.14
Zheng T et al., 2020	2.34	1.64	3.35	0.88
Zhou Jun et al., 2021	2.39	0.74	7.77	0.09
Zhou Yiwu et al., 2020	1.2	0.63	2.3	0.90
Zhu B et al., 2020	1.41	0.83	2.4	0.96
Zou et al., 2020	3.36	1.31	8.61	0.08
Total (I squared= 65.2%, p<0.01)	1.26	1.16	1.37	100.00