### Forest plot comparison graphics: Risk of severe Covid-19 disease

### Glossary

ADJ=0: crude estimate

ADJ=1: adjust estimate

LRB=0: moderate and high risk of bias

LRB=1: low risk of bias

MRB=0: High risk of bias

MRB=1: moderate and low risk of bias

ALT: Alanine aminotransferase

APTT: activated partial thromboplastin time

APACHE: Acute Physiology and Chronic Health Evaluation II

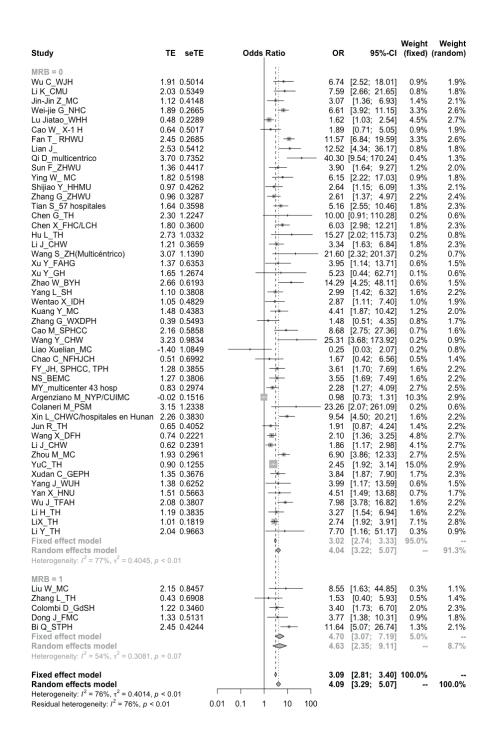
AST: Aspartate aminotransferase

BUN: Blood urea nitrogen

PT: prothrombin time

SOFA: The sequential organ failure assessment score

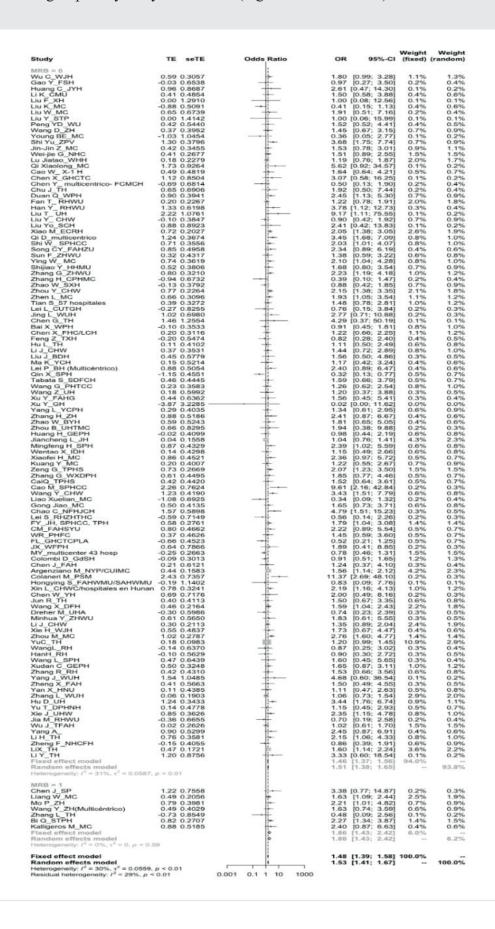
## Candidate variable: Age (older than 50 - 65 years), outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



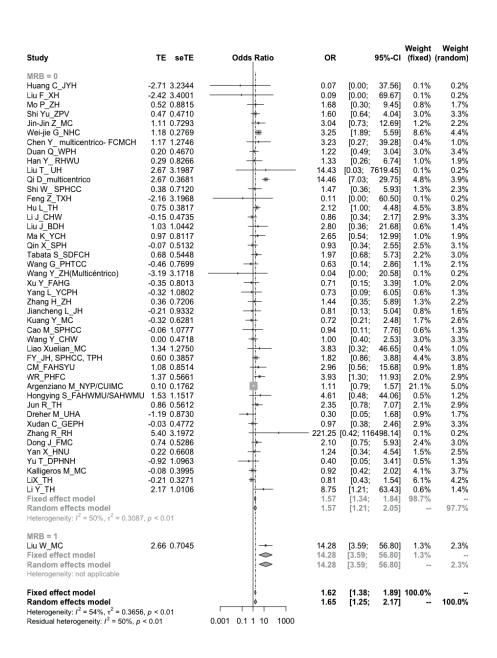
# Candidate variable: Age increase (per 1 year), outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)

Study	TE	seTE	Odds	Ratio	OR	95%-CI		Weight (random)
MRB = 1				1				
Chen J_SP	0.06	0.0289			1.06	[1.00; 1.12]	1.5%	2.6%
Liang W_MC		0.0073		-		[1.03; 1.06]		11.7%
Mo P_ZH		0.0140		<del></del>		[1.00; 1.05]	6.3%	7.2%
Duan Q_WPH		0.0120		-		[1.02; 1.07]	8.5%	8.3%
Luo X_ECRH		0.0112		<del></del>		[1.02; 1.07]	9.8%	8.9%
Feng Z_TXH		0.0407		· ·		[1.04; 1.22]	0.7%	1.4%
Wang Y_ZH(Multicéntrico)		0.0166				[1.04; 1.11]	4.5%	5.9%
Rentsch_CT		0.0241		<del>-</del>		[1.01; 1.11]	2.1%	3.5%
Kalligeros M_MC	0.03	0.0173		-		[1.00; 1.07]	4.1%	5.6%
Fixed effect model				<b>*</b>		[1.03; 1.05]	60.6%	
Random effects model				💠	1.04	[1.03; 1.06]		55.0%
Heterogeneity: $I^2 = 18\%$ , $\tau^2 = < 0.000$	1, p = 0	.29						
MRB = 0								
Shi Yu_ZPV		0.0121		<del>-</del>		[1.04; 1.09]	8.4%	8.3%
Zhou Y_CHW		0.0111		-		[1.04; 1.08]	10.0%	8.9%
Ma K_YCH		0.0328				[1.02; 1.16]	1.1%	2.1%
CaiQ_TPHS		0.0189		+ -		[1.04; 1.12]	3.5%	5.0%
_	-0.04			<b>-</b> :		[0.90; 1.03]	1.0%	1.9%
FL_GHCTCPLA		0.0147		=		[1.01; 1.07]	5.7%	6.8%
Hongying S_FAHWMU/SAHWMU		0.0469				[0.99; 1.20]	0.6%	1.1%
Zhang R_RH		0.0243				[1.05; 1.15]	2.1%	3.4%
Yu T_DPHNH	0.03	0.0134		<del></del>		[1.00; 1.06]	6.9%	7.5%
Fixed effect model				<b>P</b>		[1.04; 1.07]	39.4%	45.00/
Random effects model				<b>~</b>	1.06	[1.04; 1.07]		45.0%
Heterogeneity: $I^2 = 55\%$ , $\tau^2 = 0.0004$ ,	p = 0.0	2						
Fixed effect model				♦	1.05	[1.04; 1.05]	100.0%	
Random effects model				<b>*</b>		[1.04; 1.06]		100.0%
Heterogeneity: $I^2 = 42\%$ , $\tau^2 = 0.0002$ ,	p = 0.0	3				,,		

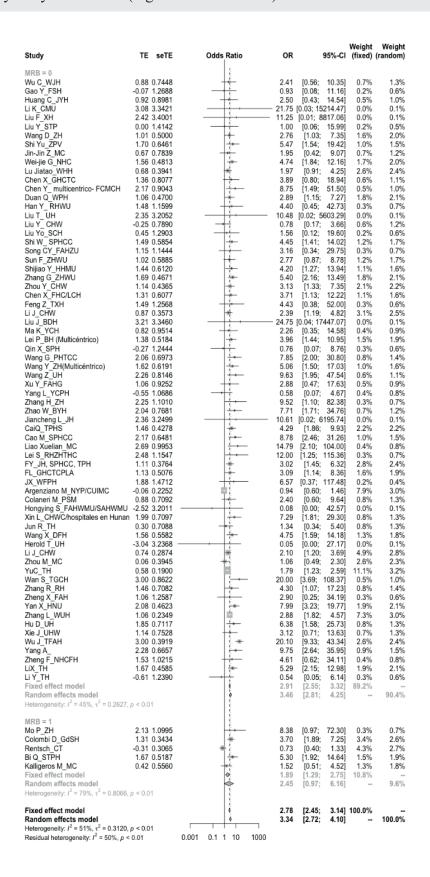
# Candidate variable: Male gender, outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



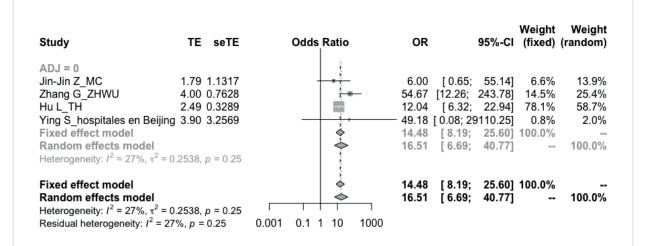
## Candidate variable: Smoking (Active, present smoker), outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



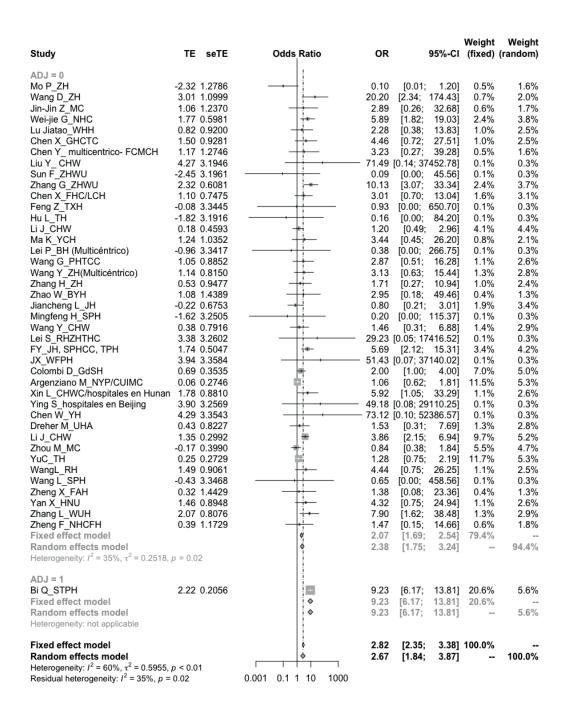
Candidate variable: Cardiovascular disease (coronary heart disease or congestive heart failure), outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



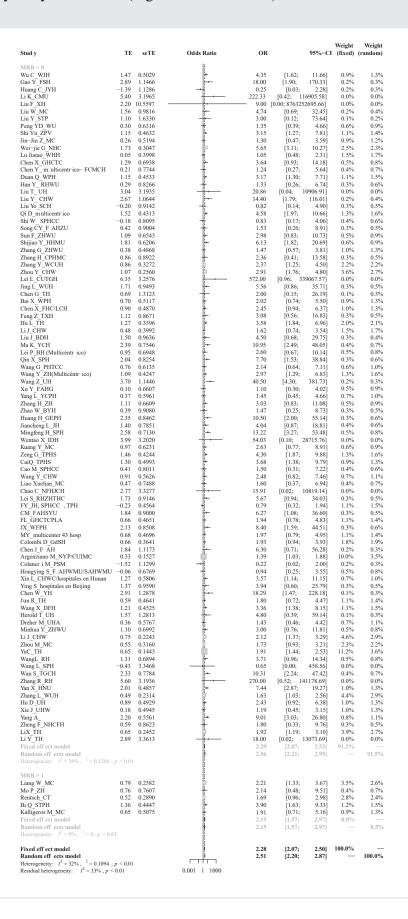
Candidate variable: Cardiac arrhythmia (as previous condition or new clinical finding), outcome: severe Covid-19 disease



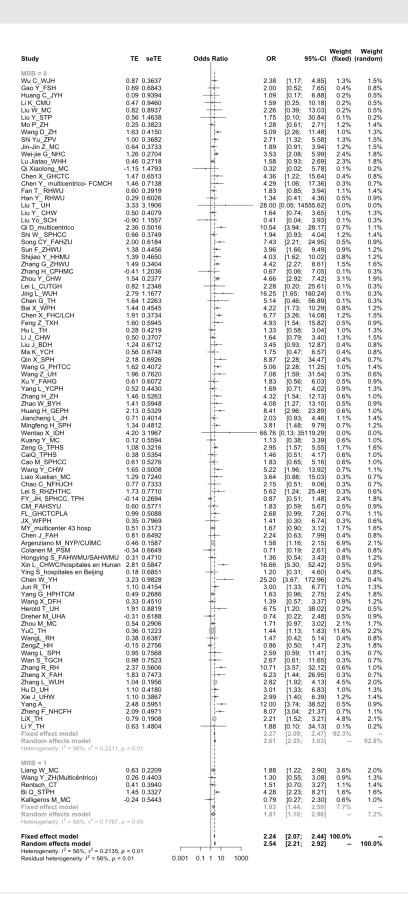
Candidate variable: Cerebrovascular disease (History of stroke or CNS disease), outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)



## Candidate variable: Diabetes, outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



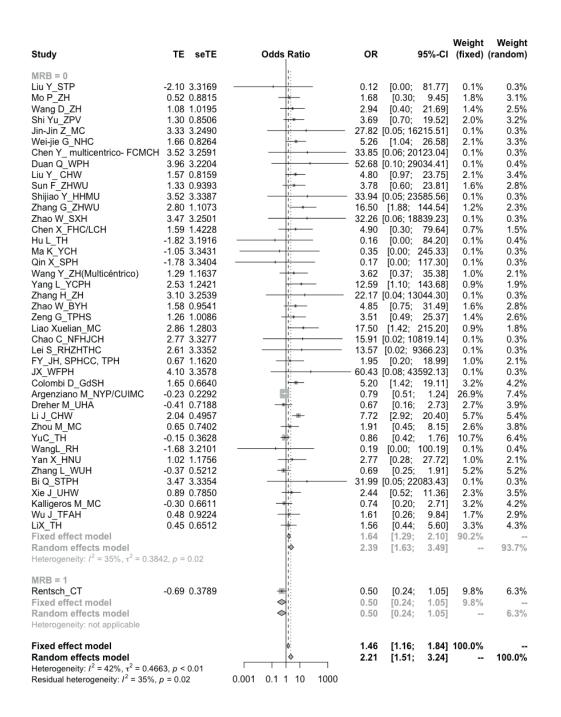
## Candidate variable: Arterial hypertension, outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



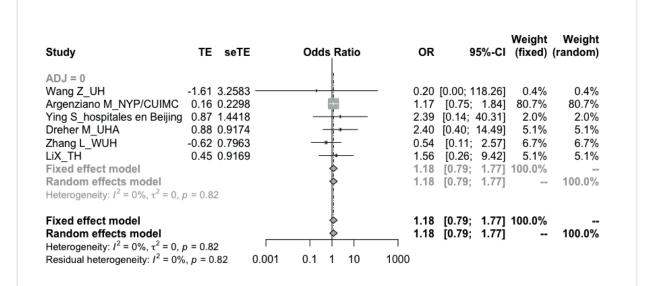
Candidate variable: Obesity, outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)

Study	TE seTE	Odds Ratio	OR		Weight (fixed)	Weight (random)
ADJ = 0 Gao Y_FSH Qi D_multicentrico Hu L_TH Huang H_GEPH Liao Xuelian_MC Hongying S_FAHWMU/SAHWM Dreher M_UHA Fixed effect model Random effects model Heterogeneity: l² = 2%, τ² = 0.011	1.04 0.6201	***	4.89 3.89 8.43 0.45 2.20 2.82 3.61	[0.64; 71.71] [2.19; 10.87] [1.26; 12.01] [1.55; 45.90] [0.05; 3.87] [0.63; 7.69] [0.84; 9.51] [2.24; 5.82] [2.21; 5.85]	3.7% 32.4% 16.3% 7.2% 4.5% 13.2% 14.1% 91.5%	3.7% 32.4% 16.3% 7.2% 4.5% 13.2% 14.1%
ADJ = 1 Kalligeros M_MC Fixed effect model Random effects model Heterogeneity: not applicable  Fixed effect model	1.68 0.7964		5.39 5.39	[1.13; 25.67] [1.13; 25.67] [1.13; 25.67] [2.37; 5.90]	8.5% 8.5% 	8.5%  8.5%
Random effects model Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0$ , $p = $ Residual heterogeneity: $I^2 = 2\%$ , $p = $		0.1 0.51 2 10		[2.37; 5.90]		100.0%

## Candidate variable: Chronic kidney disease, outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



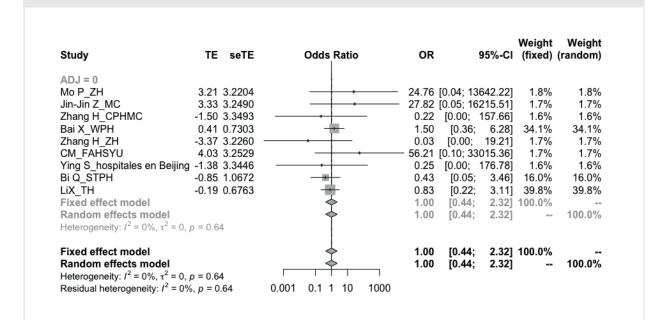
#### Candidate variable: Asthma, outcome: severe Covid-19 disease



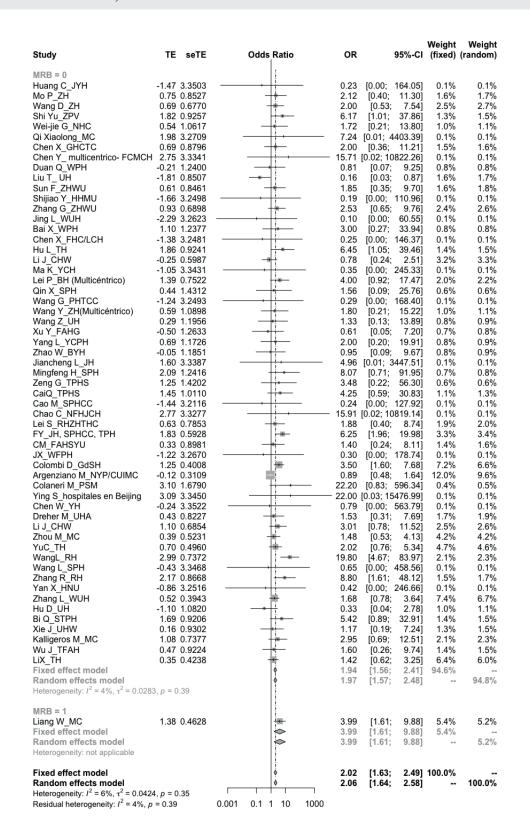
# Candidate variable: COPD, outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)

Study	TE	seTE	Odds Ratio	OR	95%-CI	Weight (fixed)	Weight (random)
VIRB = 0			į.				
Gao Y_FSH	0.14	0.8125	+	1.15	[0.23; 5.65]	1.3%	1.7%
Huang C_JYH		10.0561			00; 83828536391.12]	0.0%	0.0%
_i K_CMU	2.38	1.1468	<u>:-</u>	10.86	[1.15; 102.77]	0.6%	0.9%
Vlo P_ZH Vlang D_ZH	1.23 2.22	1.1300 1.1720		3.41 9.18	[0.37; 31.21] [0.92; 91.31]	0.7% 0.6%	1.0% 0.9%
Jin-Jin Z_MC	3.33	3.2490		27.82	[0.05; 16215.51]	0.1%	0.1%
Nei-jie G NHC	3.18	0.6004	+	23.96	[7.39; 77.73]	2.3%	2.7%
_u Jiatao_WHH	1.23	1.0066	<del> -</del>	3.43	[0.48; 24.65]	0.8%	1.2%
Chen Y_ multicentrico- FCMCH	0.83	0.8526	<u>†</u>	2.30	[0.43; 12.25]	1.1%	1.6%
Duan Q_WPH	0.17 0.06	0.6196 1.0189	Ī	1.19 1.06	[0.35; 4.01]	2.2% 0.8%	2.5% 1.2%
_iu Y_ CHW _iu Yo SCH	4.29	3.2720	Ţ	73.29	[0.14; 7.80] [0.12; 44681.63]	0.0%	0.1%
Song CY_FAHZU	0.41	1.2483	<del> </del>	1.50	[0.13; 17.32]	0.5%	0.8%
Sun F_ZHWU	0.81	1.2445	+	2.24	[0.20; 25.68]	0.5%	0.8%
Shijiao Y_HHMU	-1.66	3.2498	<del></del>	0.19	[0.00; 110.96]	0.1%	0.1%
Zhang G_ZHWU	1.86	0.8807	<del>!*</del>	6.43	[1.14; 36.14]	1.1%	1.5%
Zhao W_SXH	1.64 2.45	1.1709	<u>.</u>	5.14 11.56	[0.52; 51.03]	0.6%	0.9%
Zhou Y_CHW Zhen L MC	1.43	1.1012 0.4337		4.18	[1.34; 100.10] [1.79; 9.78]	0.7% 4.4%	1.0% 4.0%
3ai X WPH	1.83	1.1326	-	6.24	[0.68; 57.44]	0.7%	1.0%
Chen X_FHC/LCH	1.66	0.6530	<del>-</del>	5.24	[1.46; 18.86]	2.0%	2.4%
Feng Z_TXH	2.26	1.0416	<del> -</del>	9.54	[1.24; 73.47]	0.8%	1.1%
Hu L_TH	0.85	1.1151	†	2.34	[0.26; 20.78]	0.7%	1.0%
_i J_CHW	1.33 1.50	0.7013 0.9636		3.76	[0.95; 14.88]	1.7% 0.9%	2.1%
_iu J_BDH Vla K_YCH	0.82	0.9514	<u> </u>	4.50 2.26	[0.68; 29.75] [0.35; 14.58]	0.9%	1.3% 1.3%
_ei P_BH (Multicéntrico)	1.05	0.8040	<u> </u>	2.85	[0.59; 13.78]	1.3%	1.7%
Qin X_SPH	4.48	3.2024	+	88.20	[0.17; 46922.57]	0.1%	0.1%
Nang G_PHTCC	3.94	3.3382	+	51.25	[0.07; 35575.14]	0.1%	0.1%
Nang Z_UH	1.49	1.0498	<del> -</del>	4.42	[0.56; 34.57]	0.8%	1.1%
Xu Y_FAHG	1.44 2.19	1.1974	1	4.24	[0.41; 44.27]	0.6%	0.9%
Yang L_YCPH Zhang H ZH	3.56	0.7933 3.2261		8.96 35.00	[1.89; 42.42] [0.06; 19502.94]	1.3% 0.1%	1.8% 0.1%
Zhao W_BYH	1.16	0.8625	<b>+</b>	3.18	[0.59; 17.22]	1.1%	1.5%
Jiancheng L_JH	2.36	3.2499	<del>- </del>	10.61	[0.02; 6195.74]	0.1%	0.1%
Mingfeng H_SPH	4.35	3.2508	+	77.27	[0.13; 45190.41]	0.1%	0.1%
Wentao X_IDH	-1.48	1.1397	<del>-  </del>	0.23	[0.02; 2.12]	0.6%	1.0%
Yuang Y_MC	0.52	1.2411	1.	1.69	[0.15; 19.22]	0.5%	0.8%
Nang Y_CHW _iao Xuelian_MC	1.42 1.22	0.8909 0.7855	<u> </u>	4.12 3.38	[0.72; 23.60] [0.72; 15.74]	1.1% 1.4%	1.5% 1.8%
_ei S RHZHTHC	2.61	3.3352		13.57	[0.02; 9366.23]	0.1%	0.1%
FY_JH, SPHCC, TPH	1.90	0.4487		6.69	[2.78; 16.13]	4.1%	3.8%
Colombi D_GdSH	0.45	0.3489	<u> </u>	1.56	[0.79; 3.10]	6.9%	4.9%
Argenziano M_NYP/CUIMC	-0.12	0.3109	<b>*</b>	0.89	[0.48; 1.64]	8.6%	5.3%
Colaneri M_PSM Hongying S_FAHWMU/SAHWMU	-2.56	3.2596 3.2514	<u> </u>	0.08 83.74	[0.00; 46.06] [0.14; 49034.62]	0.1% 0.1%	0.1% 0.1%
Chen W_YH	-0.24	3.3522		0.79	[0.14; 49034.62] [0.00; 563.79]	0.1%	0.1%
Herold T UH	0.10	1.2827	#	1.10	[0.09; 13.59]	0.5%	0.8%
Oreher M_UHA	0.34	0.6854	*	1.40	[0.37; 5.37]	1.8%	2.2%
_i J_CHW	-0.14	0.4865	#	0.87	[0.33; 2.25]	3.5%	3.5%
Zhou M_MC	0.42	0.7763	<u> </u>	1.52	[0.33; 6.96]	1.4%	1.8%
YuC_TH Nang L_SPH	0.33 -1.63	0.2637 3.2303		1.39 0.20	[0.83; 2.32] [0.00; 110.29]	12.0% 0.1%	6.0% 0.1%
Nan S TGCH	0.92	1.2490	1	2.50	[0.22; 28.91]	0.1%	0.1%
Zhang R_RH	2.29	1.1754	<u>.</u>	9.89	[0.99; 99.00]	0.6%	0.9%
Zhang L_WUH	0.91	0.4477	þ	2.49	[1.04; 5.99]	4.2%	3.8%
Xie J_UHW	0.57	1.4252	+	1.76	[0.11; 28.75]	0.4%	0.6%
Nu J_TFAH	3.07	3.3359 0.8908	1.	21.62 2.27	[0.03; 14941.20]	0.1% 1.1%	0.1%
Zheng F_NHCFH _iX_TH	0.82	0.5783	1	3.49	[0.40; 13.00] [1.12; 10.85]	2.5%	1.5% 2.8%
_i Y_TH		1.2500	-	16.00	[1.38; 185.40]	0.5%	0.8%
Fixed effect model			ļ.	2.43	[2.00; 2.95]	84.3%	-
Random effects model			}	2.85	[2.20; 3.71]		86.0%
Heterogeneity: $I^2 = 26\%$ , $\tau^2 = 0.2185$	p = 0.0	)4					
VIRB = 1 _iang W_MC	1 22	0.4629		3.40	[1.37; 8.42]	3.9%	3.7%
Rentsch CT	0.59	0.4629	E	1.81	[0.92; 3.57]	7.0%	4.9%
3i Q_STPH		0.5860	<u> </u>	2.27	[0.72; 7.17]	2.4%	2.7%
Kalligeros M_MC	0.41	0.5938	#	1.50	[0.47; 4.80]	2.4%	2.7%
Fixed effect model			ķ	2.13	[1.36; 3.35]		-
Random effects model Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0$ , $p = 0$	66			2.13	[1.36; 3.35]		14.0%
Fixed effect model Random effects model				2.38 2.70	[1.99; 2.84] [2.14; 3.40]	100.0%	 100.0%
Heterogeneity: $I^2 = 23\%$ , $\tau^2 = 0.1641$	p = 0.0	06	<del></del>	2			
Residual heterogeneity: $I^2 = 24\%$ , $p$	= 0.05		0.001 1 1000				

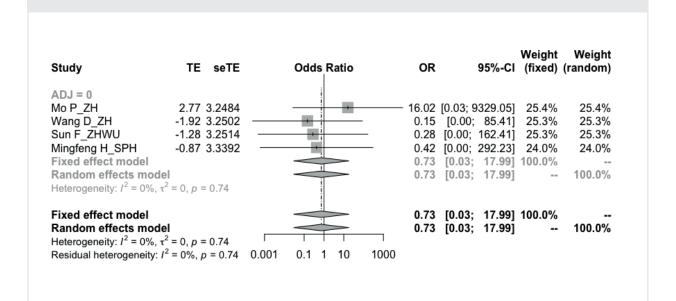
#### Candidate variable: Tuberculosis, outcome: severe Covid-19 disease



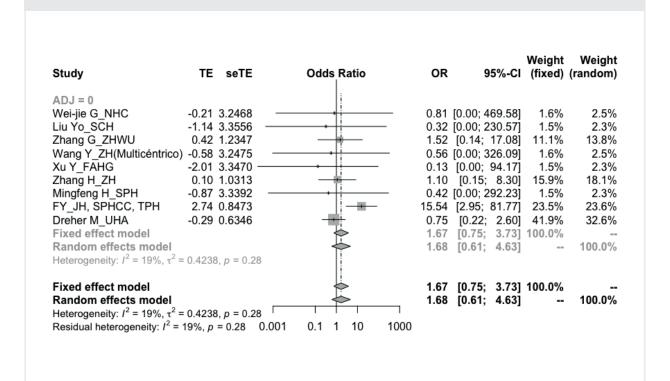
Candidate variable: Cancer (solid or active haematologic cancer), outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



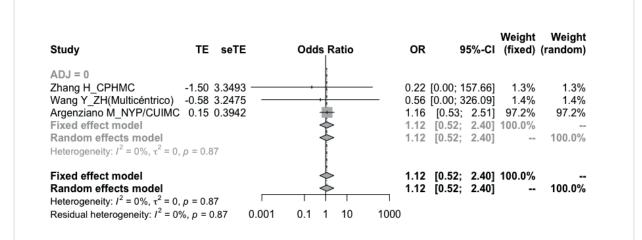
#### Candidate variable: HIV infection, outcome: severe Covid-19 disease

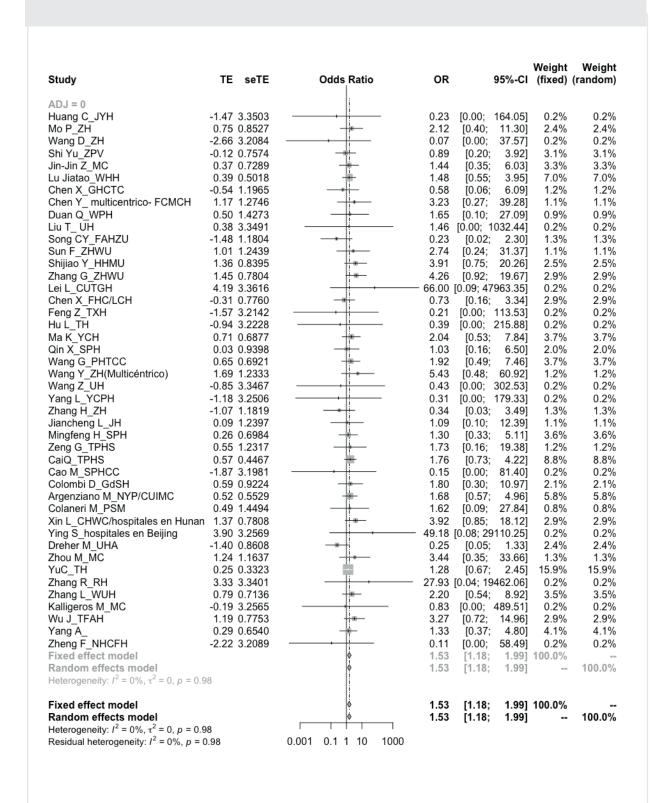


Candidate variable: Immunocompromised, outcome: severe Covid-19 disease

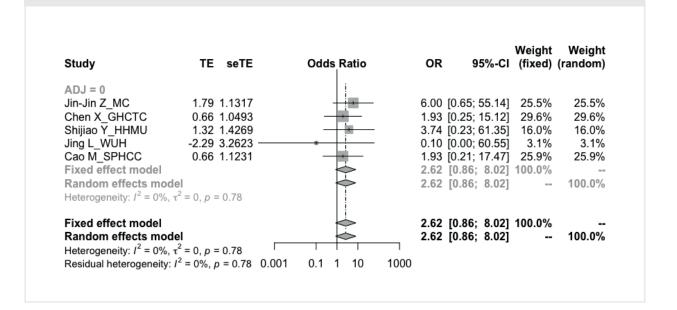


Candidate variable: Autoimmune disease, outcome: severe Covid-19 disease

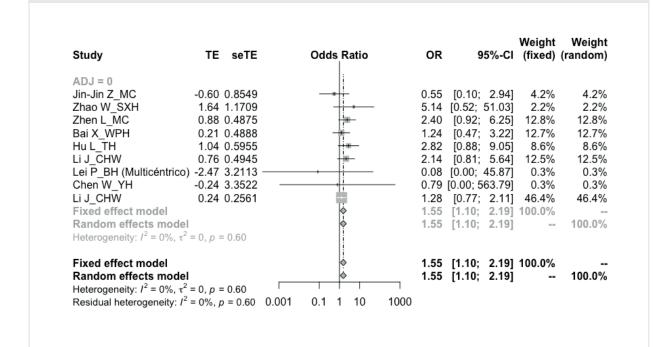




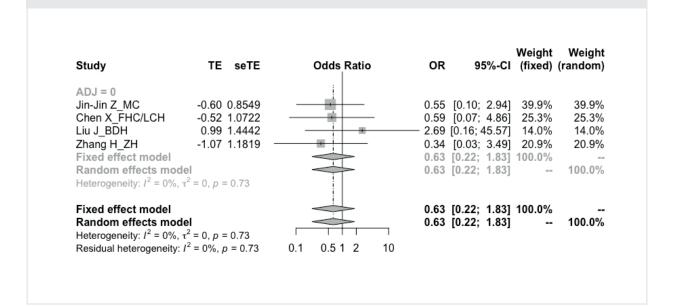
#### Candidate variable: Thyroid disease, outcome: severe Covid-19 disease



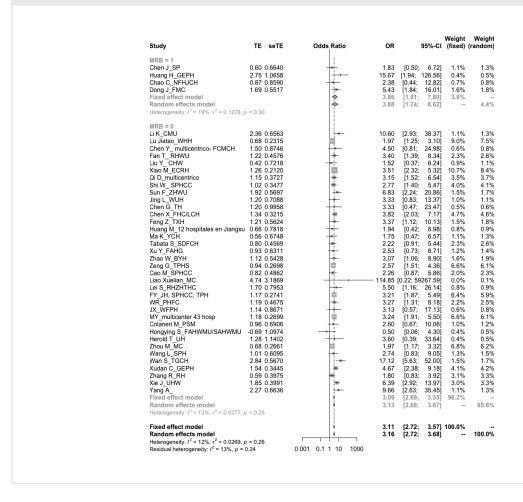
Candidate variable: Chronic gastric disease: History of peptic ulcer or gastritis, outcome: severe Covid-19 disease



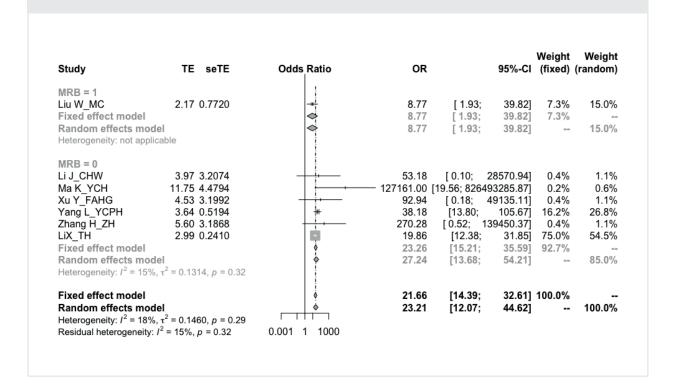
#### Candidate variable: Dyslipidemia, outcome: severe Covid-19 disease



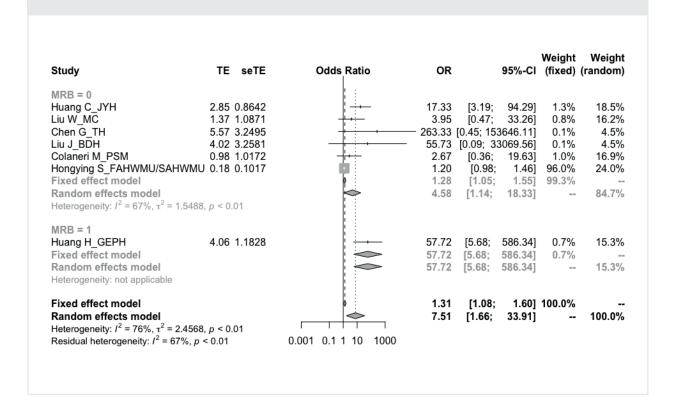
Candidate variable: Any chronic condition or comorbidities, outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



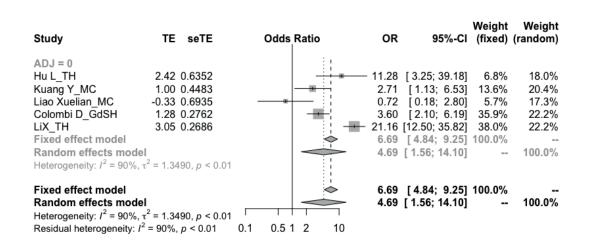
Candidate variable: Respiratory failure, outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



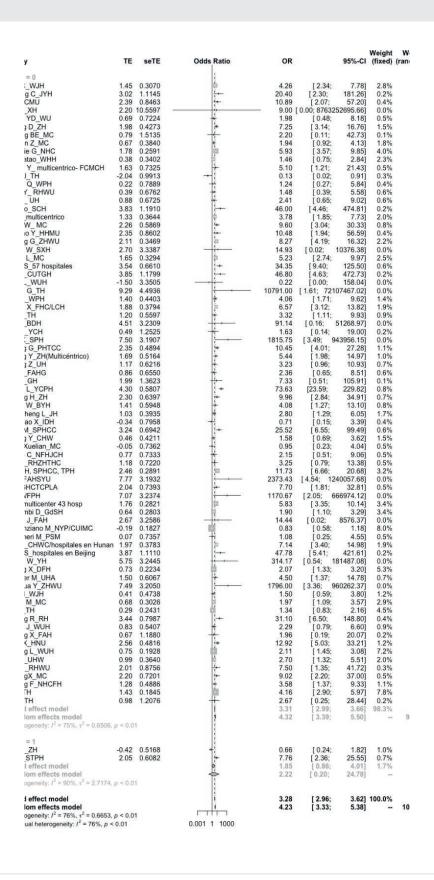
Candidate variable: Tachypnea, outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



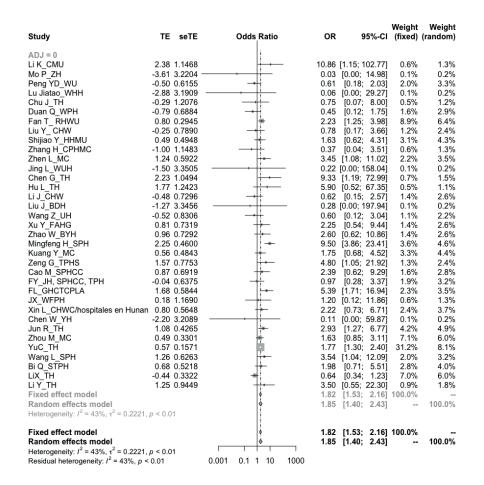
#### Candidate variable: Hypoxemia, outcome: severe Covid-19 disease



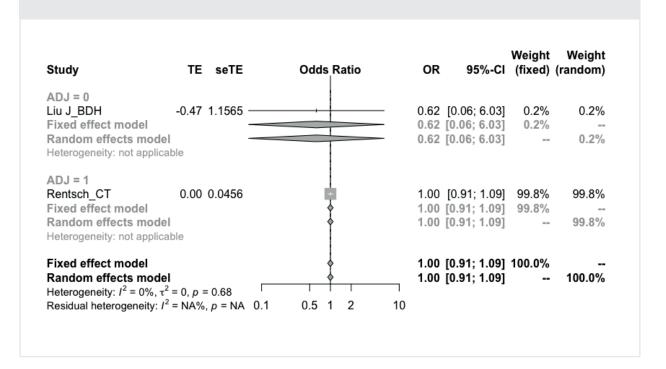
### Candidate variable: Dyspnea, outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



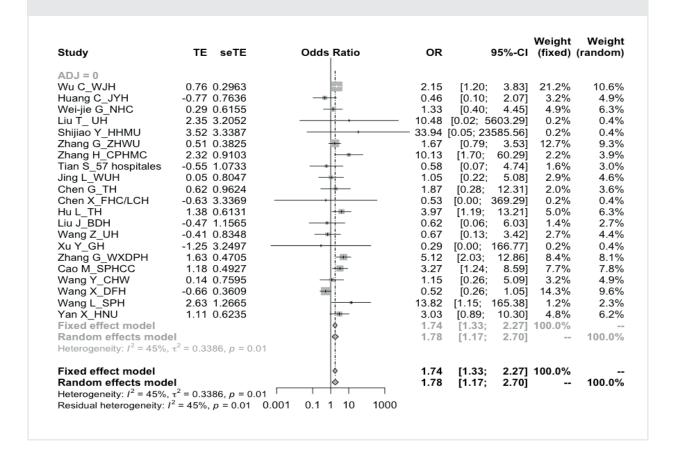
#### Candidate variable: Chest pain, outcome: severe Covid-19 disease



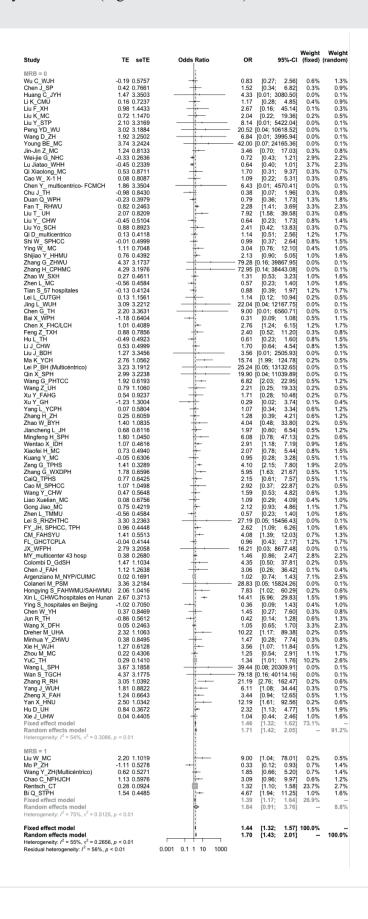
Candidate variable: Low blood pressure, outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)



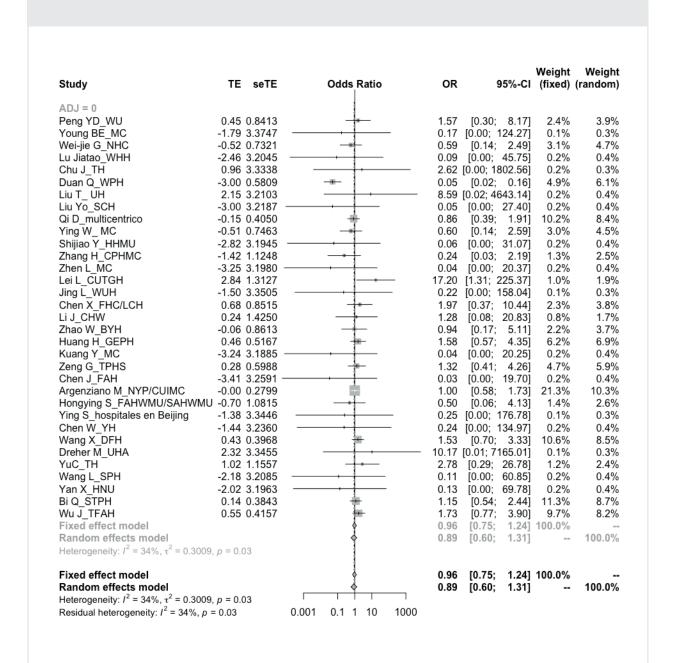
Candidate variable: High fever (more than 39°C), outcome: severe Covid-19 disease



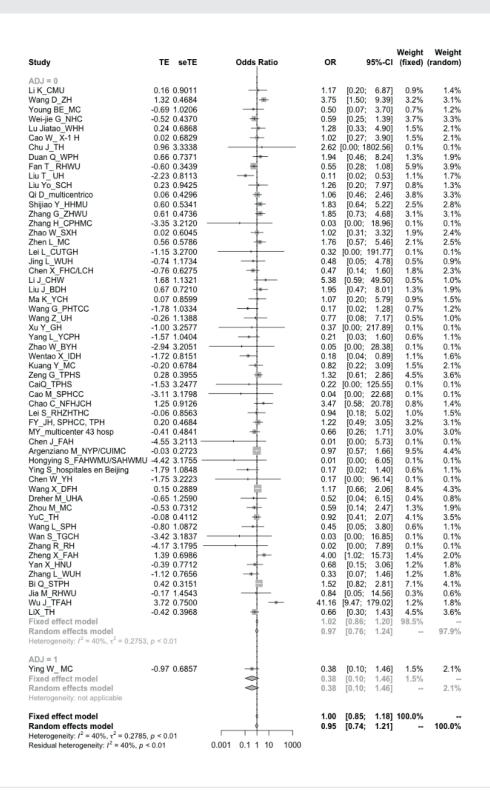
## Candidate variable: Fever, outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



#### Candidate variable: Rhinorrhea, outcome: severe Covid-19 disease



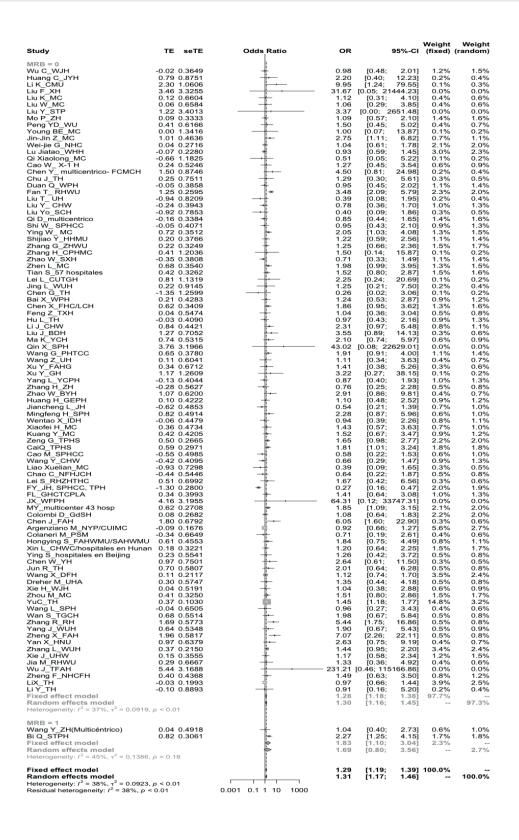
## Candidate variable: Odynophagia, outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)



### Candidate variable: Conjunctivitis, outcome: severe Covid-19 disease

Study	TE seTE	Odds Ratio	OR	95%-CI	Weight (fixed)	Weight (random)
ADJ = 0						
Wei-jie G_NHC	4.81 4.4847	<del>-     •</del>	— 122.46 <b> </b>	[0.02; 804230.56]	6.8%	6.8%
Liu T_ UH	0.48 3.3324	<del></del>	1.62	[0.00; 1110.37]	12.3%	12.3%
Liu Yo SCH	2.01 1.2966	<del>  18</del>	7.43	[0.59; 94.32]	81.0%	81.0%
Fixed effect model			7.45	[0.76; 73.33]	100.0%	
Random effects mo	odel		7.45	[0.76; 73.33]		100.0%
Heterogeneity: $I^2 = 0\%$	$(0, \tau^2 = 0, p = 0.74)$					
Fixed effect model		÷	7.45	[0.76; 73.33]	100.0%	
Random effects mo Heterogeneity: $I^2 = 0$ % Residual heterogeneit	$u_0, \tau^2 = 0, p = 0.74$	0.001 0.11 10 1000	7.45	[0.76; 73.33]	-	100.0%

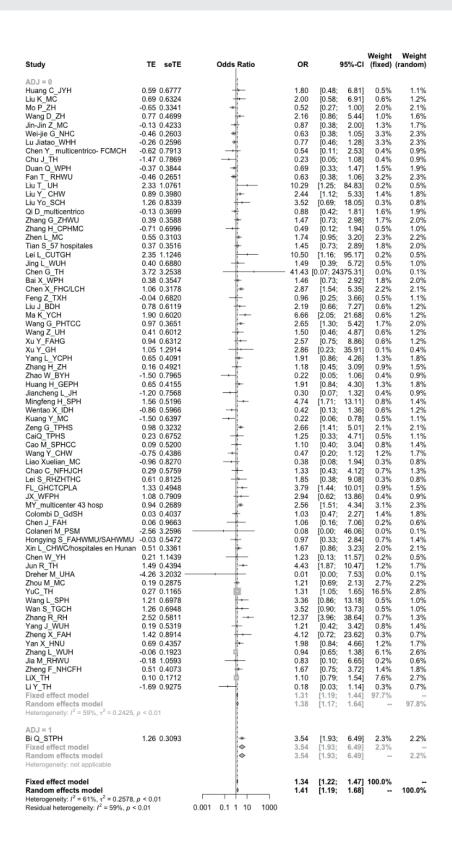
## Candidate variable: Cough, outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)

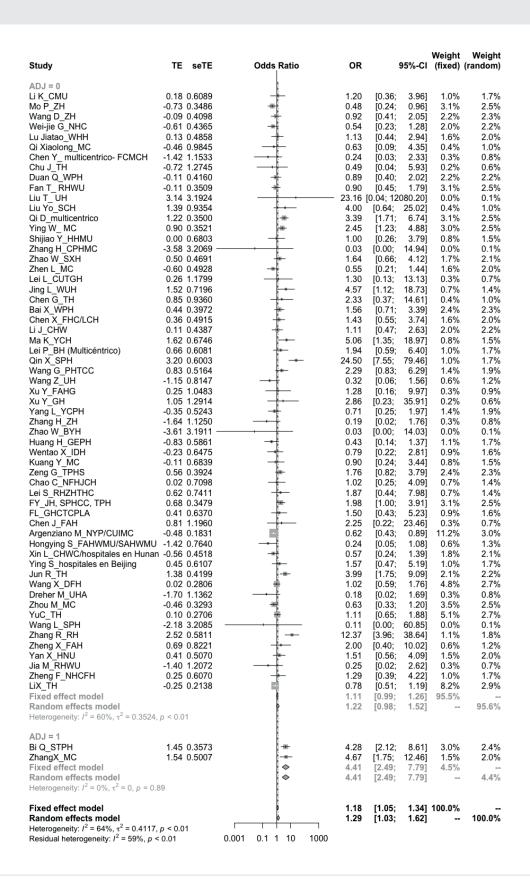


Study	TE	seTE	Odds Ratio	OR		95%-CI	Weight (fixed)	Weight (random)
ADJ = 0			į					
Wu C_WJH		0.2912	þ	1.70	[0.96;	3.01]	4.4%	2.8%
Huang C_JYH		0.7360	+	2.08	[0.49;	8.81]	0.7%	1.4%
Li K_CMU		0.5996	-	4.88	[1.51;	15.79]	1.0%	1.7%
Liu K_MC		0.5191		2.26	[0.82;	6.25]	1.4%	2.0%
Wang D_ZH		0.4570 0.2749		0.72 0.83	[0.29;	1.76] 1.42]	1.8% 4.9%	2.2% 2.9%
Wei-jie G_NHC Chen Y_ multicentrico- FCMCH			<del>-</del> -	0.80	[0.48; [0.21;	3.03]	0.8%	1.5%
Chu J_TH		3.2342		7.97	[0.01; 4		0.0%	0.1%
Duan Q_WPH		0.7346	<del> </del>	1.70	[0.40;	7.17	0.7%	1.4%
Fan T_RHWU	-2.62	0.4390	-	0.07	[0.03;	0.17]	1.9%	2.3%
Liu T_ UH		1.0907	<del> </del>	2.55	[0.30;	21.58]	0.3%	0.8%
Liu Yo_SCH		0.9258	<del>- [</del>	1.00	[0.16;	6.14]	0.4%	1.0%
Shi W_SPHCC		0.4061	F	2.02	[0.91;	4.49]	2.3%	2.4%
Shijiao Y_HHMU Zhang H_CPHMC		0.4067 0.9083		0.91 1.25	[0.41;	2.02] 7.41]	2.3% 0.5%	2.4% 1.1%
Zhen L MC		0.3283	<u>.</u>	1.13	[0.59;	2.15]	3.5%	2.7%
Lei L_CUTGH		0.8971	<del>_</del>	0.86	[0.15;	4.97]	0.5%	1.1%
Jing L_WUH		0.7660	<u>i</u> •	4.85	[1.08;	21.76]	0.6%	1.3%
Chen G_TH	-0.54	1.0494	<b>→</b> ‡	0.58	[0.07;	4.56]	0.3%	0.9%
Bai X_WPH		0.3588	+	1.31	[0.65;	2.64]	2.9%	2.6%
Feng Z_TXH		0.8107	-	1.23	[0.25;	6.03]	0.6%	1.2%
Liu J_BDH		0.5965	-	3.21	[1.00;	10.33]	1.0%	1.7%
Ma K_YCH Wang G_PHTCC		0.5401 0.4181		4.50 1.11	[1.56; [0.49;	12.97] 2.52]	1.3% 2.1%	1.9% 2.3%
Wang Z UH		0.6619	1	0.98	[0.43,	3.57	0.8%	1.6%
Xu Y FAHG		0.6181		0.69	[0.20;	2.30]	1.0%	1.7%
Xu Y_GH		1.3004		3.42	[0.27;	43.70]	0.2%	0.6%
Zhang H_ZH		0.5120		0.34	[0.12;	0.93	1.4%	2.0%
Zhao W_BYH		0.5375	<del>[=</del> -	2.10	[0.73;	6.01]	1.3%	1.9%
Jiancheng L_JH		0.5452	<u></u>	0.37	[0.13;	1.07]	1.3%	1.9%
Mingfeng H_SPH		0.4052	丁	1.09	[0.49;	2.42]	2.3%	2.4%
Wentao X_IDH Kuang Y MC		0.4388 0.4268	1	0.72 1.33	[0.31; [0.58;	1.71] 3.08]	1.9% 2.0%	2.3% 2.3%
Cao M_SPHCC		0.5470	<u></u>	0.92	[0.32;	2.69]	1.2%	1.9%
Liao Xuelian MC		0.7297		0.44	[0.11;	1.84]	0.7%	1.4%
Lei S_RHZHTHC		0.7645	-	3.28	[0.73;	14.68]	0.6%	1.3%
FY_JH, SPHCC, TPH	1.21	0.2659	=	3.37	[2.00;	5.67]	5.3%	2.9%
JX_WFPH		1.1090	-	9.45	[1.08;	83.06]	0.3%	0.8%
MY_multicenter 43 hosp		0.3423	=	4.17	[2.13;	8.15]	3.2%	2.6%
Argenziano M_NYP/CUIMC		0.2964	1	0.74 4.32	[0.41;	1.32]	4.2% 1.1%	2.8% 1.8%
Ying S_hospitales en Beijing Chen W YH		0.5923 1.1198		0.78	[1.35; [0.09;	13.80] 6.98]	0.3%	0.8%
Jun R_TH		0.4332	4	0.96	[0.41;	2.24]	2.0%	2.3%
Wang X_DFH		0.2394	+	1.38	[0.86;	2.20]	6.5%	3.0%
Xie H_WJH	-0.03	0.5419	+	0.97	[0.34;	2.82]	1.3%	1.9%
Zhou M_MC	0.09	0.2897	÷	1.09	[0.62;	1.92]	4.4%	2.8%
Wang L_SPH		0.6148	<del>[-</del>	2.13	[0.64;	7.12]	1.0%	1.7%
Zhang R_RH		3.1860	-	- 595.00 [			0.0%	0.1%
Yang J_WUH		0.6512 0.6858	1	0.65 3.46	[0.18;	2.32] 13.26]	0.9% 0.8%	1.6% 1.5%
Zheng X_FAH Zhang L_WUH		0.2054	*	1.17	[0.90; [0.79;	1.76]	8.8%	3.1%
Bi Q_STPH		0.2440	T=	2.55	[1.58;	4.12]	6.3%	3.0%
Fixed effect model			•	1.33	[1.18;	1.50]	97.3%	
Random effects model			þ	1.32	[1.06;	1.66]		95.5%
Heterogeneity: $I^2 = 64\%$ , $\tau^2 = 0.365$	i1, p <	0.01						
ADJ = 1								
Ying W_ MC		0.6415		0.38	[0.11;	1.34]	0.9%	1.6%
Liu R_CHW		1.0556	<u> </u>	0.48	[0.06;	3.80]	0.3%	0.8%
Wang Y_ZH(Multicéntrico) Fixed effect model	0.14	0.5047	Ī	1.15	[0.43;	3.09]	1.5%	2.0%
Random effects model			7	0.71 0.71	[0.34; [0.34;	1.47] 1.47]	2.7%	4.5%
Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0$ , $p =$	0.37		1	V./ I	[0.54;	1.41]		7.0 /0
Fixed effect model			į	1.31	[1.16;		100.0%	 100.0%
Random effects model Heterogeneity: $I^2 = 63\%$ , $\tau^2 = 0.361$	4 n -	0.01		1.28	[1.03;	1.59]	-	100.076
Residual heterogeneity: $I^2 = 63\%$ , $\mu$			0.001 0.1 1 10 1000					

### Candidate variable: Hemoptysis, outcome: severe Covid-19 disease

Study	TE seTE	Odds Ratio	OR	95%-CI	Weight (fixed)	Weigh (random
ADJ = 0		į				
Huang C_JYH	0.73 1.4571	<del>-  =  </del>	2.08	[0.12; 36.23]	6.0%	6.0%
Wei-jie G_NHC	1.37 0.8008	<del>                                      </del>	3.94	[0.82; 18.92]	19.7%	19.7%
Liu T_ UH	0.91 3.2637	<del></del>	2.48	[0.00; 1486.57]	1.2%	1.2%
Qi D_multicentrico	1.09 0.9267	<del>                                      </del>	2.97	[0.48; 18.28]	14.7%	14.7%
Shijiao Y_HHMU	3.52 3.3387	<del>-     •</del>	33.94	[0.05; 23585.56]	1.1%	1.1%
Bai X_WPH	2.07 1.1105	<del>- jm -</del>	7.96	[0.90; 70.16]	10.3%	10.3%
Wang G_PHTCC	3.94 3.3382	<del>- </del>	- 51.25	[0.07; 35575.14]	1.1%	1.1%
Zhang H_ZH	0.82 1.2501	<del>-   =  </del>	2.27	[0.20; 26.27]	8.1%	8.1%
Zeng G_TPHS	1.25 1.4202	<del>-   +  </del>	3.48	[0.22; 56.30]	6.3%	6.3%
FY_JH, SPHCC, TPH	1.37 0.9222	+=-	3.95	[0.65; 24.08]	14.9%	14.9%
CM_FAHSYU	5.55 3.1955	++	— 257.84	[0.49; 135323.98]	1.2%	1.2%
JX_WFPH	1.88 1.4712	<del>   =</del>	6.57	[0.37; 117.48]	5.9%	5.9%
Chen J_FAH	1.88 3.3469	<del></del>	6.58	[0.01; 4644.25]	1.1%	1.1%
Xin L_CHWC/hospitales en F	Hunan 1.75 1.2351	+=	5.74	[0.51; 64.55]	8.3%	8.3%
Fixed effect model		•	4.39	[2.18; 8.81]	100.0%	-
Random effects model		💠	4.39	[2.18; 8.81]		100.0%
Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0$ , $I$	p = 0.99					
Fixed effect model		<b>♦</b>	4.39		100.0%	
Random effects model		<b>*</b>	4.39	[2.18; 8.81]		100.0%
Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0$ ,	p = 0.99	1 1 1 1				



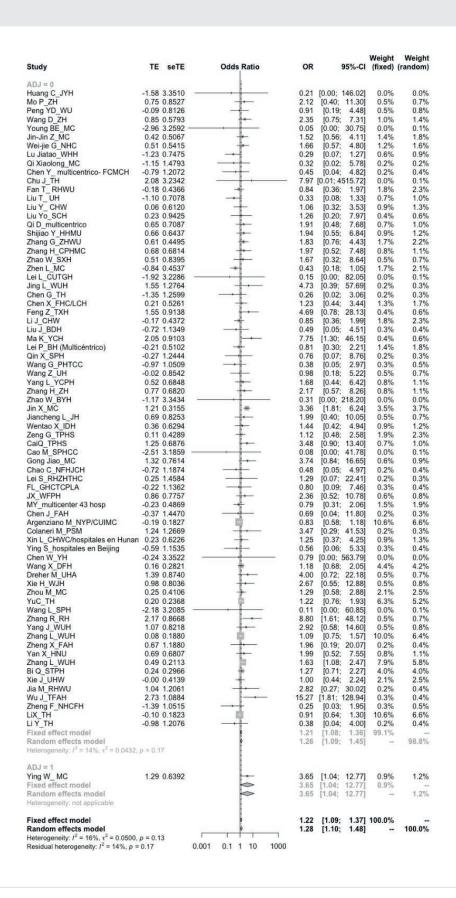


# Candidate variable: Headache, outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)

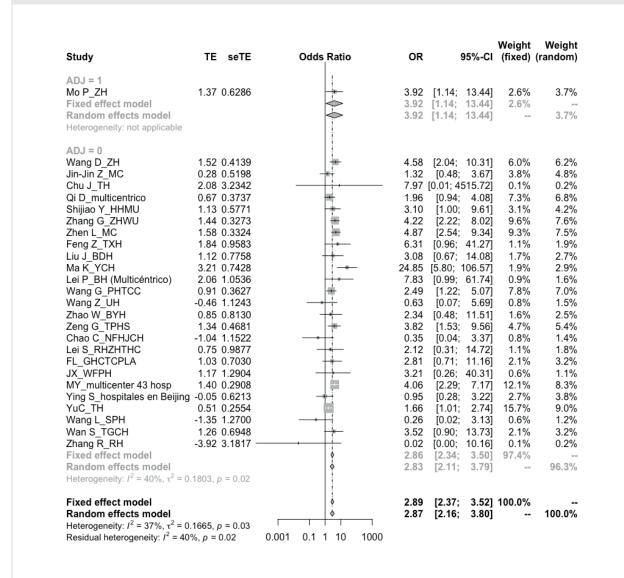
Stud y	TE	seTE	Odds Ratio	OR		95%-CI	Weight (fixed)	Weigh (random
ADJ = 0	204	2 2252	.	0.06	FO 00-	22 117	0.10/	0.19
Huang C_JYH Li K_CMU		3.2352 0.7514		0.06 1.18	[0.00; [0.27;	33.11] 5.15]	0.1% 1.2%	1.79
Mo P ZH		0.7314	<u></u>	1.10	[0.27,	6.06]	1.2%	1.79
Wang D_ZH		0.7353	-	1.45	[0.34;	6.15]	1.2%	1.79
Wei–jie G NHC		0.3874	+	0.85	[0.40;	1.82]	4.4%	3.59
Lu Jiatao_WHH	0.44	0.4411	<del>}-</del>	1.55	[0.65;	3.67]	3.4%	3.19
Qi Xiaolong_MC	-0.12	0.8515	+	0.89	[0.17;	4.72]	0.9%	1.49
Chen Y_ m ulticentr ico- FCMCH		1.2733	-	0.71	[0.06;	8.66]	0.4%	0.79
Duan Q_WPH		0.7773		0.17	[0.04;	0.76]	1.1%	1.69
Fan T_RHWU		0.4723	7	0.48	[0.19;	1.20]	3.0%	2.99
Liu T_ UH Liu Yo SCH		3.1987 3.2676		14.43	[0.03; 7		0.1%	0.19
Shijiao Y HHMU		0.5929	-	0.15 2.20	[0.00; [0.69;	88.37] 7.05]	0.1% 1.9%	0.19 2.39
Zhang G ZHWU		0.5942	1	0.92	[0.09;	2.96]	1.9%	2.39
Zhang H CPHMC		0.8908	1	0.64	[0.11;	3.66]	0.8%	1.39
Zhao W_SXH		1.0185		1.65	[0.22;	12.15]	0.6%	1.19
Zhen L MC		0.5812	-	0.46	[0.15;	1.43]	2.0%	2.49
Tian S 57 hospitales		0.6580		1.01	[0.28;	3.66]	1.5%	2.09
Lei L_CUTGĤ	-2.17			0.11	[0.00;	62.68]	0.1%	0.19
Jing L_WUH	-0.45	0.8973	-	0.64	[0.11;	3.69]	0.8%	1.39
Chen G_TH	0.00	1.4907	<del></del>	1.00	[0.05;	18.57]	0.3%	0.59
Bai X_WPH	0.18	0.5111	+	1.20	[0.44;	3.27]	2.5%	2.79
Chen X_FHC/LCH		0.5416	<del> -</del>	1.67	[0.58;	4.84]	2.3%	2.69
Feng Z_TXH		1.1531	<del> </del>	2.18	[0.23;	20.88]	0.5%	0.99
Hu L_TH		3.2228		0.39	[0.00;	-	0.1%	0.19
Li J_CHW		0.7296	1	1.29	[0.31;	5.39]	1.2%	1.89
Liu J_BDH		0.7062		0.31	[0.08;	1.24]	1.3%	1.89
Ma K_YCH		3.2129	<del></del>	0.08	[0.00;	41.77]	0.1%	0.19
Qin X_SPH Wang G PHTCC		0.5703	T_	1.44 3.40	[0.47;	4.40]	2.0% 1.9%	2.49
Wang Z_UH		0.5894 3.1928		0.03	[1.07; [0.00;	10.80] 16.95]	0.1%	0.19
Xu Y GH		1.3316		5.38	[0.40;	73.09]	0.1%	0.79
Yang L YCPH		0.7641		0.43	[0.10;	1.93]	1.1%	1.69
Zhao W BYH		3.1893		0.02	[0.00;	12.31]	0.1%	0.19
Huang H GEPH		0.4921	-	1.60	[0.61;	4.21]	2.7%	2.89
Jiancheng L JH		1.4271		0.54	[0.03;	8.83]	0.3%	0.69
Wentao X_IDH	-0.74	1.2440		0.48	[0.04;	5.46]	0.4%	0.89
Zeng G_TPHS	-0.34	0.5662	-	0.71	[0.23;	2.16]	2.1%	2.49
CaiQ_TPHS	-2.49	3.1977	<del></del>	0.08	[0.00;	43.58]	0.1%	0.19
Cao M_SPHCC		3.1781	<del></del>	0.03	[0.00;	17.31]	0.1%	0.19
Lei S_RHZHTHC		0.8342	1*	2.67	[0.52;	13.68]	0.9%	1.49
JX_WFPH		0.9040	<u> </u>	1.62	[0.28;	9.56]	0.8%	1.39
Argenziano M_NYP/CUIMC		0.2907	<u> </u>	0.56	[0.32;	0.99]	7.8%	4.29
Xin L_CHWC/hospitales en Hunan		0.6000	Ť	0.92	[0.28;	2.99]	1.8%	2.39
Ying S_hospitales en Beijing		1.1070 1.2143	<del>-1</del>	0.29	[0.03;	2.57] 27.91]	0.5% 0.4%	0.99
Chen W_YH Jun R_TH		0.4424	_	2.58 0.13	[0.24; [0.06;	0.31]	3.4%	3.19
Wang X_DFH		0.2716		1.37	[0.81;	2.34]	9.0%	4.49
Dreher M UHA		3.3455		0.12	[0.00;	81.50]	0.1%	0.19
Zhou M_MC		0.4678	1	0.87	[0.35;	2.18]	3.0%	3.09
YuC TH		0.3803	<u> </u>	1.32	[0.62;	2.77]	4.6%	3.69
Wang L SPH		3.2031	<del></del>	0.09	[0.00;	49.32]	0.1%	0.19
Zheng X_F AH		0.6669		0.08	[0.02;	0.31]	1.5%	2.0
Yan X HNU	0.35	0.5895	<del> </del>	1.42	[0.45;	4.50]	1.9%	2.39
Bi Q_STPH	0.28	0.3597	<b>÷</b>	1.32	[0.65;	2.67]	5.1%	3.79
Jia M_RHWU	-0.93	1.2725	<del></del>	0.39	[0.03;	4.78]	0.4%	0.79
Wu J_TF AH		3.1674	1	<b>—</b> 1437.56	[2.89; 714	102.39]	0.1%	0.19
Zheng F_NHCFH		0.6493	1=	2.37	[0.66;	8.44]	1.6%	2.19
LiX_TH	-0.40	0.2743	+	0.67	[0.39;	1.15]	8.8%	4.4
Fixed eff ect model			9	0.89	[0.76;	1.04]	97.8%	-
Random eff ects model Heterogeneity: $I^2 = 35\%$ , $^2 = 0.2169$	, p < 0.01			0.89	[0.71;	1.11]		96.8
ADJ = 1	1 11	0.7424		0.22	F0 00	1 417	1.20/	
Ying W_MC		0.7426		0.33	[0.08;	1.41]	1.2%	1.7
Zhang R_RH	1.36	0.8160	<u></u>	3.90	[0.79;	19.30]	1.0%	1.5
Fixed eff ect model			2	1.01	[0.34;	2.96]	2.2%	2.2
Random eff ects model Heterogeneity: $I^2 = 80\%$ , $^2 = 2.4409$	, p = 0.03			1.11	[0.10;	12.46]		3.2
Fixed eff ect model			į	0.89	[0.76; [0.71;	1.04] 1.12]	100.0%	100.09
Random eff ects model				0.89				

# Candidate variable: Vomits, outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)

Stud y	TE	seTE	Odds Ratio	OR		95%-CI	Weight (fixed)	Weight (random)
ADJ = 0								
Mo P_ZH	0.51	1.2355	+	1.66	[0.15;	18.73]	0.6%	1.4%
Wang D_ZH	1.51	0.9347	+	4.55	[0.73;	28.39]	1.1%	2.2%
Jin-Jin Z_MC	-0.58	0.8551	+	0.56	[0.10;	2.99]	1.3%	2.5%
Lu Jiatao_WHH	-0.17	0.7989	†	0.84	[0.18;	4.03]	1.5%	2.7%
Duan Q_WPH	0.21	0.5100	ŧ	1.23	[0.45;	3.35]	3.6%	4.4%
Liu T_ UH	-1.05	0.9092	<del> </del>	0.35	[0.06;	2.09]	1.1%	2.3%
Liu Yo_SCH	0.83	1.0089	+	2.29	[0.32;	16.51]	0.9%	1.9%
Qi D_m ulticentr ico	-0.14	1.1068	+	0.87	[0.10;	7.57]	0.8%	1.7%
Shijiao Y_HHMU	1.68	0.7889	+	5.38	[1.15;	25.23]	1.5%	2.7%
Zhang H_CPHMC	-1.50	3.3493		0.22	[0.00;	157.66]	0.1%	0.2%
Zhao W_SXH	1.21	1.2398	<del> </del>	3.35	[0.29;	38.04]	0.6%	1.4%
Zhen L_MC	-0.72	1.1286	+	0.48	[0.05;	4.42]	0.7%	1.6%
Lei L_CUTGH	-1.60	3.2422		0.20	[0.00;	116.15]	0.1%	0.2%
Jing L_WUH	3.01	3.3513	1-	20.25	[0.03;	14422.44]	0.1%	0.2%
Chen X_FHC/LCH	-0.47	0.7694	#	0.63	[0.14;	2.84]	1.6%	2.8%
Hu L_TH	4.67	3.3398	<del>]                                    </del>	106.92	[0.15;	74452.09]	0.1%	0.2%
Li J_CHW	-0.51	0.5778	₹.	0.60	[0.19;	1.87]	2.8%	3.9%
Liu J_BDH Ma K_YCH	0.60 1.20	0.9614 1.4382	T.	1.82 3.32	[0.28;	11.99]	1.0% 0.5%	2.1% 1.1%
Lei P BH (Multicéntr ico)	0.15	1.4382	<u>. T</u>	1.17	[0.20; [0.12;	55.56] 11.78]	0.5%	1.1%
Wang G PHTCC	1.05	0.8852		2.87	[0.12,	16.28]	1.2%	2.3%
Wang Z UH	0.71	1.2632		2.04	[0.31,	24.24]	0.6%	1.4%
Yang L_YCPH	1.83	1.0212		6.26	[0.17,	46.32]	0.9%	1.9%
Zhang H_ZH	0.58	0.6981		1.79	[0.46;	7.03]	1.9%	3.2%
Zhao W BYH	1.16	0.8625	<u>.</u>	3.18	[0.59;	17.22]	1.3%	2.4%
Zeng G TPHS	-0.02	0.5825	1	0.98	[0.31;	3.08]	2.8%	3.9%
Lei S RHZHTHC	-0.50	1.2768		0.61	[0.05;	7.41]	0.6%	1.3%
JX WFPH	-1.98	3.2256		0.14	[0.00;	76.72]	0.1%	0.2%
Argenziano M NYP/CUIMC	-0.80	0.2377	i i	0.45	[0.28;	0.72]	16.7%	6.7%
Jun R TH	2.20	0.4851	-	9.00	[3.48;	23.29]	4.0%	4.6%
Wang X DFH	0.63	0.4602	Ļ.	1.88	[0.76;	4.62]	4.5%	4.8%
Dreher M UHA	0.08	1.4434	+	1.09	[0.06;	18.40]	0.5%	1.1%
Zhou M MC	0.01	0.5269	<b>‡</b>	1.01	[0.36;	2.84]	3.4%	4.3%
YuC_TH	-0.54	0.4860	+	0.59	[0.23;	1.52]	4.0%	4.6%
Zheng X F AH	-1.23	3.2557	<del> </del>	0.29	[0.00;	172.90]	0.1%	0.2%
Zhang L_WUH	0.19	0.2082		1.21	[0.80;	1.82]	21.8%	6.9%
Bi Q_STPH	0.53	0.4737	<del>[-</del>	1.69	[0.67;	4.28]	4.2%	4.7%
Wu J_TF AH	6.60	10.0174		736.29	[0.00; 2476710	24477.10]	0.0%	0.0%
LiX_TH	-0.20	0.3130	ę.	0.82	[0.44;	1.51]	9.6%	6.0%
Fixed eff ect model			į.	1.10	[0.91;	1.33]	98.7%	
Random eff ects model			₽	1.29	[0.95;	1.74]		97.6%
Heterogeneity: $I^2 = 39\%$ , $^2 = 0$	0.2539 , p	< 0.01						
ADJ = 1								
ZhangX_MC	2.74	0.8638	-	15.55	[2.86;	84.52]	1.3%	2.4%
Fixed eff ect model				15.55	[2.86;	84.52]	1.3%	
Random eff ects model			<b>&gt;</b>	15.55	[2.86;	84.52]		2.4%
Heterogeneity: not applicab le								
Fixed eff ect model			•	1.14	[0.94;	1.37]	100.0%	
Random eff ects model			b	1.38	[1.01;	1.90]		100.0%
Heterogeneity: $I^2 = 45\%$ , $I^2 = 45\%$	0.3367 , p	< 0.01						
Residual heterogeneity: $I^2 = 39$	9%, p < 0	0.01	0.001 1 1000					



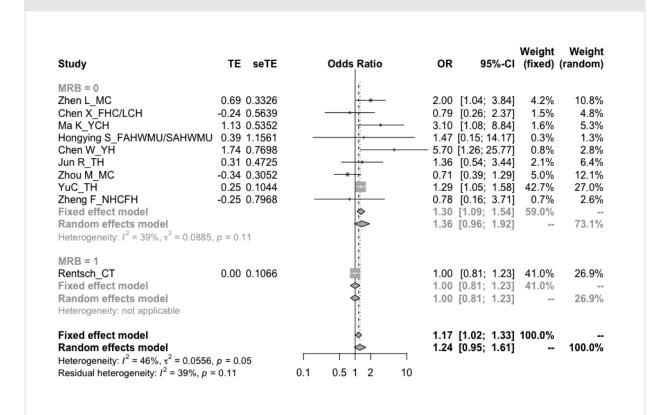
### Candidate variable: Anorexia, outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)



#### Candidate variable: Abdominal pain, outcome: severe Covid-19 disease

Study	TE	seTE	Odds Ratio	OR	95%-	Weight CI (fixed)	•
ADJ = 0							
Li K_CMU	-0.08	0.8731	<del>-+;-</del>	0.92	[0.17; 5.1	0] 4.5%	4.5%
Mo P_ZH	0.51	1.2355	<del>-   +</del> -	1.66	[0.15; 18.7	3] 2.2%	2.2%
Wang D_ZH	4.50	3.2225	<del>   •                                  </del>	89.64	[0.16; 49600.6	5] 0.3%	0.3%
Jin-Jin Z_MC	1.55	0.8359	<del>    = -</del>	4.71	[0.91; 24.2	2] 4.9%	4.9%
Shijiao Y_HHMU	0.40	0.8586	<del>- - </del> -	1.49	[0.28; 8.0	4] 4.6%	4.6%
Zhang G_ZHWU	0.72	0.9264	<del>- +-</del>	2.05	[0.33; 12.6	0] 4.0%	4.0%
Zhang H_CPHMC	-2.75	3.2333	<del></del>	0.06	[0.00; 36.2	0.3%	0.3%
Zhen L_MC	0.71	0.7242	<del>- in -</del>	2.03	[0.49; 8.4	0] 6.5%	6.5%
Jing L_WUH	-1.50	3.3505		0.22	[0.00; 158.0	4] 0.3%	0.3%
Chen X_FHC/LCH	3.79	3.3370	<del>-    </del>	44.27	[0.06; 30653.7	4] 0.3%	0.39
Lei P_BH (Multicéntrico)	4.28	3.2536		72.38	[0.12; 42570.7	2] 0.3%	0.3%
Wang G_PHTCC	-1.24	3.2493		0.29	[0.00; 168.4	0.3%	0.3%
Xu Y_GH	0.53	3.3861	<del>-   •   -   -   -   -   -   -   -   -   </del>	1.70	[0.00; 1299.1	5] 0.3%	0.3%
Zeng G_TPHS	0.85	0.9223		2.33	[0.38; 14.2	3] 4.0%	4.0%
Lei S_RHZHTHC	2.61	3.3352	<del>-    •</del>	13.57	[0.02; 9366.2	3] 0.3%	0.3%
FL_GHCTCPLA	0.50	1.2413	+	1.64	[0.14; 18.6	9] 2.2%	2.2%
Jun R_TH	0.09	0.4090	*	1.10	[0.49; 2.4	5] 20.4%	20.4%
Wang X_DFH	0.60	0.4590	*	1.81	[0.74; 4.4	6] 16.2%	16.29
Zhou M_MC	0.25	1.4178		1.28	[0.08; 20.6	1] 1.7%	1.79
Wang L_SPH	1.85	1.4479	++-	6.33	[0.37; 108.1	7] 1.6%	1.6%
Bi Q_STPH	0.99	0.4804	<del></del>	2.70	[1.05; 6.9	3] 14.8%	14.8%
LiX_TH	1.17	0.5838	<del>                                      </del>	3.21	[1.02; 10.0	8] 10.0%	10.0%
Fixed effect model			<b> </b>	1.95	[1.36; 2.8	0] 100.0%	
Random effects model			<b>\dot</b>	1.95	[1.36; 2.8	0]	100.0%
Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0\%$	= 0, p =	0.95					
Fixed effect model			<b>♦</b>	1.95		0] 100.0%	
Random effects model			<b>*</b>	1.95	[1.36; 2.8	0]	100.0%
Heterogeneity: $I^2 = 0\%$ , $\tau^2$							
Residual heterogeneity: I2:	= 0%, p	= 0.95	0.001 0.1 1 10 1000				

### Candidate variable: Anemia, outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



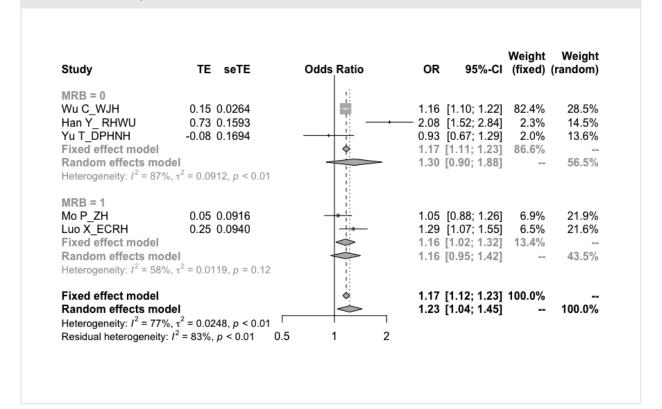
## Candidate variable: High WBC (greater than 10.0 x 10°/L), outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)

Study	TE	seTE	Odds	Ratio	OR		95%-CI	Weight (fixed)	
ADJ = 0				l:					
Huang C JYH	1.64	0.7450			5.13	[ 1.19;	22.11]	0.6%	
Li K_ČMŪ		0.7187	-	1	2.02	[ 0.49			
Jin-Jin Z MC		0.6025		144	5.90	[1.81:		1.0%	
Wei-jie G NHC		0.3381		-	7.11	[ 3.67		3.1%	
Qi D multicentrico		0.6062	_	4.5	1.63	[ 0.50			
Shijiao Y HHMU		0.8419		<del> </del>	13.45	[2.58		0.5%	
Zhang G_ZHWU		0.4551		14	4.83	[ 1.98;		1.7%	
Zhen L MC		0.4138		1	8.93	[ 3.97		2.1%	
Chen G TH		3.2511	_	ļ:			1213.95]	0.0%	
Chen X FHC/LCH		1.0915	_	111	0.80	[0.09		0.3%	
Hu L_TH		0.4938		I -	11.87	[4.51;			
Wang Z UH		3.3476		11.			5945.71]		
Xu Y_GH		3.3861		1			1299.15]		
Yang L YCPH		0.8905		11:	3.09		17.71]		
Zhao W BYH		3.2556	_	11			5525.49]		
Zhang G WXDPH		1.0875		II			1567.59]		
Cao M SPHCC		0.6790		1	1.73	[ 0.46			
Liao Xuelian MC		3.1950 —		13	0.06	[0.00;			
JX WFPH		3.2732	_	11			0961.29]		
MY multicenter 43 hos				1	3.94	[ 2.04			
Chen W YH		0.9216		11	10.33	[1.70:			
Jun R TH		0.4978		1	8.90	[ 3.36;			
Wang X DFH		0.8726		11:	18.96		104.85]		
Zhou M MC		0.2708		#	3.12	[ 1.83			
YuC TH		0.1921		1	2.27	[ 1.56			
Wan S TGCH		0.8734	_	71	2.04	[ 0.37;			
Bi Q_STPH		0.2663		1	6.83	[ 4.05;			
Li H_TH		0.7755		1:	7.90	[ 1.73;	-		
Zheng F NHCFH		3.2227 -			0.15	[ 0.00:			
LiX TH		0.3894		114	8.66	[4.04:			
LIY TH		0.8390	_	Li	0.62	[ 0.12			
Fixed effect model	-0.41	0.0000		0	4.43	[ 3.71			
Random effects mode				i	5.00	[ 3.59			(
Heterogeneity: $I^2 = 56\%$ ,		44, p < 0.01			3.00	[ 0.00	, 0.30]		,
ADJ = 1									
Rentsch_CT	0.40	0.0789			1.49	[ 1.28	; 1.74]	57.0%	
Fixed effect model				0	1.49	[ 1.28			
Random effects mode	1			61	1.49	[ 1.28			
Heterogeneity: not applica	able								
Fixed effect model				6	2.38	[ 2.12		100.0%	
Random effects mode		65, p < 0.01		<b>*</b>	4.67	[ 3.17	; 6.88]		10

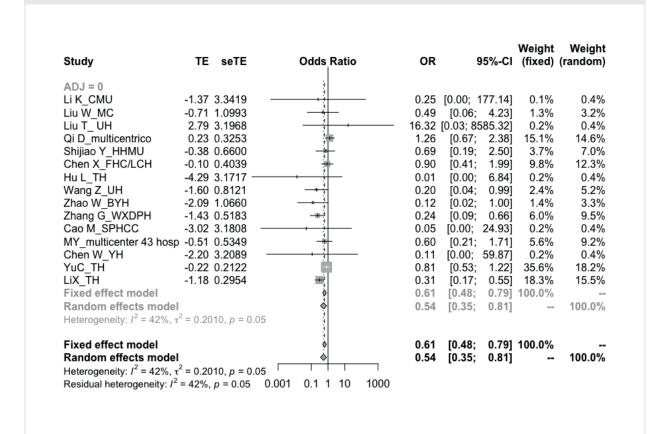
Candidate variable: High Neutrophil count (greater than 6.3 x 10°/L), outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)

Study	TE	seTE	Odds	Ratio	OR		95%-CI	(fixed)	(random)
ADJ = 0				1: 1:					
Li K_CMU	2.27	0.5524		<del> </del>	9.68	[ 3.28;	28.58]	2.6%	6.2%
Duan Q_WPH	1.01	0.3839		-	2.75	[ 1.30;	5.84]	5.4%	7.9%
Liu T_ UH	2.80	3.1966		<u> </u>	<b>—</b> 16.50	[ 0.03; 8	8678.46]	0.1%	0.4%
Qi D_multicentrico	0.85	0.4216		<del></del>	2.33	[ 1.02;	5.33]	4.5%	7.5%
Shijiao Y_HHMU	2.38	0.7208		-	10.83	[ 2.64;	44.50]	1.5%	4.8%
Zhen L_MC	2.03	0.3602		<del>-</del>	7.62	[ 3.76;	15.43]	6.2%	8.1%
Hu L_TH	2.24	0.3858		-	9.43	[ 4.43;	20.09]	5.4%	7.9%
Zhang G_WXDPH	4.16	0.6871		-	63.92	[16.63;	245.72]	1.7%	5.1%
Cao M_SPHCC	1.23	0.7162		<del>   </del>	3.44	[ 0.84;	13.99]	1.6%	4.9%
JX_WFPH	5.00	3.2732	_	1	<b>——</b> 148.83	[ 0.24; 90	0961.29]	0.1%	0.4%
MY_multicenter 43 hosp	1.09	0.3137		#	2.99	[ 1.61;	5.52]	8.1%	8.6%
Chen W_YH	3.23	0.9828		<del> </del>	25.20	[ 3.67;	172.96]	0.8%	3.3%
Zhou M_MC	1.49	0.2806		#	4.43	[ 2.56;	7.68]	10.2%	8.9%
YuC_TH	0.74	0.1480		+	2.10	[ 1.57;	2.80]	36.5%	10.0%
LiX_TH	1.87	0.2563		<del>  </del>	6.46	[3.91;	10.67]	12.2%	9.2%
Fixed effect model				φ <u>:</u>	3.81	[ 3.19;	4.55]	96.8%	
Random effects model				<b>♦</b>	5.74	[ 3.67;	8.97]		93.3%
Heterogeneity: $I^2 = 77\%$ , $\tau$	<sup>2</sup> = 0.46	661, <i>p</i> < 0.01		#1.42 ♦ 2.00.00.00.44 ♦ 2.00.00.48					
ADJ = 1									
Jun R_TH	1.63	0.5013		+	5.09	[ 1.91;		3.2%	6.7%
Fixed effect model				<b>\rightarrow</b>	5.09	[ 1.91;		3.2%	
Random effects model					5.09	[ 1.91;	13.61]		6.7%
Heterogeneity: not applical	ble								
Fixed effect model				0:	3.84	[ 3.23;	4.58]	100.0%	
Random effects model				<b>♦</b>	5.66	[ 3.71;	8.63]		100.0%
Heterogeneity: $I^2 = 75\%$ , $\tau$	$^{2} = 0.43$	388. p < 0.01				- '	-		

Candidate variable: Neutrophil count increase (per 1 x 10° U/L), outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



#### Candidate variable: Low neutrophil count (Less than 1.8 x 10<sup>9</sup>/L), outcome: severe Covid-19 disease



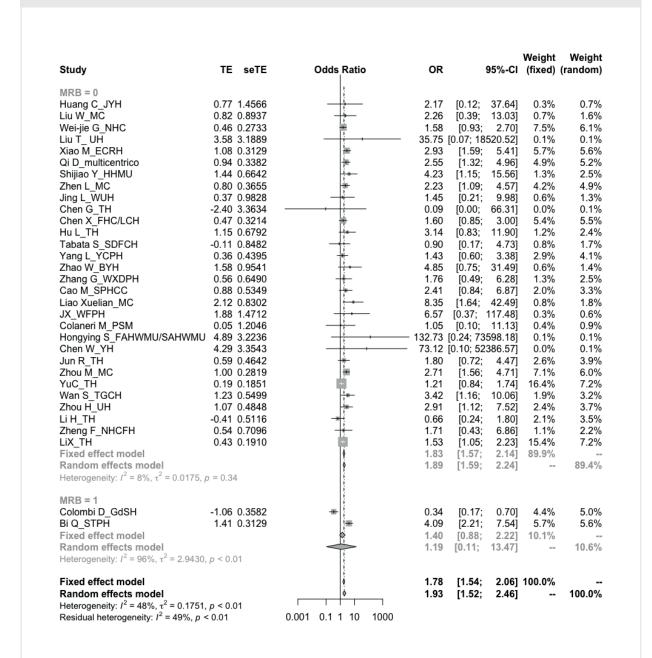
# Candidate variable: Leukopenia (Less than 3.5-4 x $10^9$ /L), outcome: severe Covid-19 disease

Study	TE	seTE	Odds Ratio	OR	95%-CI	Weight (fixed)	
ADJ = 0			3				
Huang C JYH	-1.79	1.1180		0.17	[0.02; 1.49]	0.4%	1.3
Li K ČMU		0.6953	<del>-</del>		[0.42; 6.45]		
Liu F XH	-3.46	3.3255	<del></del>		[0.00; 21.38]	0.0%	0.2
Liu W MC		0.7177	<del></del>		[0.16; 2.74]	1.1%	2.4
Jin-Jin Z MC	-0.38	0.4512	-4		[0.28; 1.65]	2.7%	3.7
Wei-jie G NHC		0.3870	<u></u> ∄		[0.14; 0.63]		4.1
Qi D multicentrico		0.3226			[1.30; 4.59]	5.3%	4.5
Shijiao Y HHMU		0.5661			[0.11; 1.04]		3.1
Zhang G ZHWU		0.3733			[0.20; 0.87]	4.0%	4.2
Zhen L MC		0.4789			[0.14; 0.93]	2.4%	
Jing L WUH		0.8766			[0.08; 2.41]		1.9
Chen G TH		3.2524 -			[0.00; 12.88]		0.2
Chen X FHC/LCH		0.3237	1		[0.53; 1.88]	5.3%	4.5
Hu L TH		0.5187			[0.24; 1.83]	2.1%	3.3
Tabata S SDFCH		0.5522	3		[0.45; 3.90]	1.8%	
Wang Z UH		0.7103			[0.43, 3.50]	1.1%	2.4
Yang L YCPH		0.7103			[0.04, 0.67]	1.0%	2.3
Zhao W BYH		0.7557			[0.05, 0.97]	1.8%	
Zhang G WXDPH		0.5552			[0.14, 1.23]	2.1%	3.3
Cao M SPHCC		0.5165			[0.09, 0.66]	0.9%	
							2.0
Liao Xuelian_MC		0.8423	<u> </u>		[0.18; 4.86]		1.7
JX_WFPH		0.9431	<u> </u>		[1.39; 55.87]	0.6%	
MY_multicenter 43 hosp		0.4473	1		[0.30; 1.76]	2.8%	
Colaneri M_PSM		0.6200	- T		[0.36; 4.08]	1.4%	2.8
Xin L_CHWC/hospitales en Hunan			1		[0.40; 1.93]		
Chen W_YH		0.9535	1		[0.67; 28.24]		1.7
Wang X_DFH		0.3038	亚		[0.57; 1.86]		4.6
YuC_TH		0.1735	3		[0.65; 1.28]	18.4%	5.4
Wan S_TGCH		0.6628	<del>-1</del> _		[0.13; 1.70]		2.6
Bi Q_STPH		0.2416	<u> </u>		[1.64; 4.22]		
Zheng F_NHCFH		0.4356	3		[0.24; 1.31]		
LiX_TH		0.2083	=		[0.31; 0.71]		
Li Y_TH	-1.29	1.1899	<del></del>		[0.03; 2.83]	0.4%	1.2
Fixed effect model			9		[0.69; 0.92]		
Random effects model			9	0.70	[0.53; 0.93]		100.0
Heterogeneity: $I^2 = 65\%$ , $\tau^2 = 0.3642$ ,	p < 0.01	l					
Fixed effect model			ģ		[0.69; 0.92]		
Random effects model			4	0.70	[0.53; 0.93]		100.0
Heterogeneity: $I^2 = 65\%$ , $\tau^2 = 0.3642$ ,		I					
Residual heterogeneity: $I^2 = 65\%$ , $p <$	0.01		0.001 0.1 1 10 1000				

Candidate variable: Low Lymphocyte count (less than 0.8-1.5x 109/L), outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)

Study	TE	seTE	Odds	Ratio	OR		95%-CI	(fixed)	(random)
VIRB = 0				1					
Huang C JYH	1.56	0.8570		<u> </u>	4.77	[ 0.89;	25.57]	0.4%	0.9%
i K CMU		0.5712		1	7.60	[ 2.48;	23.28]	0.9%	1.8%
_				LE			-		
_iu F_XH		1.5811		1	1.00	[ 0.05;	22.17]	0.1%	0.3%
_iu W_MC		0.6689	-	<del>'':</del>	1.60	[ 0.43;	5.94]	0.7%	1.4%
Jin-Jin Z_MC		0.4250		**	1.90	[ 0.83;	4.38]	1.7%	2.7%
Nei-jie G_NHC	0.97	0.5276		<del>  [</del>	2.64	[ 0.94;	7.43]	1.1%	2.0%
_iu T_ UH	1.55	0.6755			4.71	[ 1.25;	17.72]	0.7%	1.4%
Kiao M ECRH	1.24	0.2092		à	3.45	[ 2.29;	5.20]	6.9%	4.9%
Qi D multicentrico	0.69	0.5553		*	1.99	[ 0.67;	5.91	1.0%	1.9%
Shijiao Y HHMU		0.3994		<u> </u>	3.17	[ 1.45;	6.93]	1.9%	2.9%
Zhang G ZHWU		0.4382		Li.	3.04	[ 1.29;	7.18]	1.6%	2.6%
Zhen L_MC				1				2.1%	
		0.3778		Ŧ	2.95	[ 1.40;	6.18]		3.1%
Jing L_WUH		0.7660		<del> </del>	4.85	[ 1.08;	21.76]	0.5%	1.1%
Chen G_TH		1.2528		l <del>! · · ·</del>	24.00	[ 2.06;	279.61]	0.2%	0.5%
Chen X_FHC/LCH	1.43	0.3304		+	4.18	[ 2.19;	7.98]	2.8%	3.5%
Hu L_TH	2.27	0.7476		<del> </del>	9.69	[ 2.24;	41.92]	0.5%	1.2%
Гаbata S SDFCH		0.5652		<del>-</del>	4.30	[ 1.42;	13.02	0.9%	1.8%
Nang Z UH		0.7147		<del></del>	7.76	[ 1.91;	31.51]	0.6%	1.3%
Ku Y FAHG		3.1992	_	ļ <u> </u>		[ 0.18; 49		0.0%	0.1%
Ku Y GH		1.2696	_	Li.	5.83	[ 0.48;	70.24]	0.0%	0.5%
Yang L_YCPH		0.5620		T	3.29	[ 1.09;	9.91]	1.0%	1.8%
Zhao W_BYH		0.5741		<del>                                    </del>	7.05	[ 2.29;	21.72]	0.9%	1.8%
Y_MC	1.06	0.4128		<del>-{-</del>	2.89	[ 1.29;	6.50]	1.8%	2.8%
Zhang G_WXDPH	2.48	0.8191		<del>}</del>	11.93	[ 2.40;	59.44]	0.5%	1.0%
Cao M SPHCC	6.83	1.1839		}  ——	922.67	[90.64; 9	392.08	0.2%	0.5%
_iao Xuelian MC	0.50	1.1039	_	+ <u>+</u>	1.65	[ 0.19;	14.36]	0.2%	0.6%
_ei S RHZHTHC		1.1782	_	L <u>i</u>	3.73	[ 0.37;	37.58]	0.2%	0.5%
FY JH, SPHCC, TPH		0.2829		1	3.30	[ 1.90;	5.75]	3.8%	4.0%
				<del>*</del>					
JX_WFPH		0.8766		1	7.07	[ 1.27;	39.41]	0.4%	0.9%
VIY_multicenter 43 hosp		0.2694		17	3.05	[ 1.80;	5.16]	4.2%	4.1%
Colombi D_GdSH		0.2736		<b>*</b>	2.30	[ 1.35;	3.93]	4.1%	4.1%
Colaneri M_PSM	3.63	3.2106	_	<del>                                     </del>	- 37.86	[ 0.07; 20	)468.87]	0.0%	0.1%
Hongying S_FAHWMU/SAHWMU	0.92	1.3102	_	<del>  [ -</del>	2.50	[ 0.19;	32.59]	0.2%	0.4%
Kin L CHWC/hospitales en Hunan	1.78	0.3858		<del></del>	5.93	[ 2.78;	12.64]	2.0%	3.0%
Chen W YH	6.68	3.2356		<del> </del>	<b></b> 796.25	[ 1.40; 452	2057.581	0.0%	0.1%
Jun R_TH		0.4683			2.68	[1.07;	6.71	1.4%	2.4%
Zhou M MC		0.2811		14	3.65	[ 2.10;	6.33]	3.8%	4.0%
Fei J UHHUST		0.3092		1	3.57	[ 1.95;	6.54]	3.2%	3.7%
				1.7					
YuC_TH		0.1040			1.84	[ 1.50;	2.26]		6.0%
Nan S_TGCH		0.6555		- <del></del>	8.93	[ 2.47;	32.26]	0.7%	1.5%
Dong J_FMC		0.5053		1	4.50	[ 1.67;	12.11]	1.2%	2.1%
_i H_TH	1.04	0.4054		<del>  †</del>	2.82	[ 1.27;	6.25]	1.8%	2.8%
Zheng F_NHCFH	0.99	0.4243		<del>  }</del>	2.69	[ 1.17;	6.18]	1.7%	2.7%
_iX_TH		0.2685		*	3.81	2.25;	6.45]	4.2%	4.2%
i Y_TH		1.3024	_	1	1.14	[ 0.09;	14.68]	0.2%	0.4%
ixed effect model	5.15			l it	2.90	[ 2.59;	3.25]	90.6%	0.4 /
Random effects model				<u>k</u>	3.60	[ 2.98;	4.37]	30.0/0	91.4%
Heterogeneity: $I^2 = 46\%$ , $\tau^2 = 0.1444$ ,	0.0 > 0	01		ř	3.00	[ 2.50,	4.57]	-	91.47
WRB = 1				ļ.					
Rentsch CT	0.97	0.2325		i é	2.65	[ 1.68;	4.18]	5.6%	4.6%
3i Q_STPH		0.2837		÷	2.42	[ 1.39;	4.22]	3.8%	4.0%
Fixed effect model	5.50	J.2001		į.	2.56	[ 1.80;	3.63]	9.4%	4.0 /
				L.					
Random effects model Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0$ , $p = 0.8$	0			**************************************	2.56	[ 1.80;	3.63]		8.6%
Fixed effect model				t.	2.87	[ 2.58;	3.201	100.0%	_
Random effects model				i	3.47	[ 2.91;	4.14]		100.0%
Heterogeneity: $I^2 = 44\%$ , $\tau^2 = 0.1235$ ,	n < 0 (	11			0.41	L 2.01,	]		.00.0 /
10.1233, 1 - 4470, t - 0.1233, 1	v ~ U.I	<i>y</i> 1							

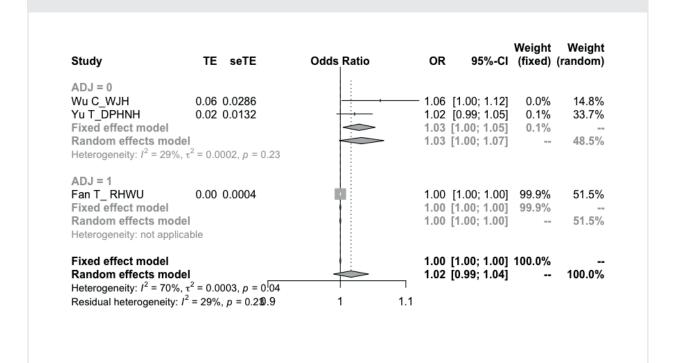
Candidate variable: Low platelet count (less than 100-150 x 109/L), outcome:severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



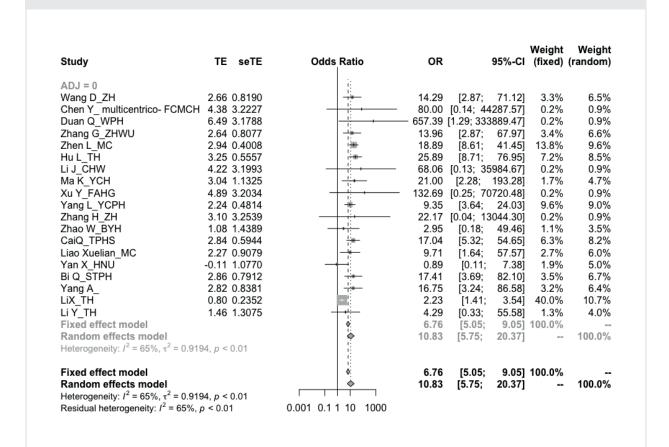
Candidate variable: High creatinine (more than 1.5 mg%), outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)

Study	TE	seTE	Odds	Ratio	OR		95%-CI	Weight (fixed)	
MRB = 0				ì					
Huang C_JYH	0.86	1.0627	_	+	2.36	[0.29;	18.97]	1.0%	1.
Wei-jie G_NHC	2.35	0.6046		<b>:</b>	10.53	[3.22;	34.45]	3.0%	4.
Liu Ť_ UH	0.48	3.3324		1.5	1.62	[0.00;	1110.37]	0.1%	0.
Xiao M ECRH	1.83	0.3448		<del></del>	6.24	[3.17;	12.26]	9.1%	9.
Qi D_multicentrico	2.62	1.1658		<del>                                     </del>	13.79	[1.40;	135.47]	0.8%	1.
Shi W_ SPHCC	0.67	0.5388		<del>*</del>	1.96	[0.68;	5.63]	3.7%	5.
Shijiao Y_HHMU	4.88	3.2103	_	+	<b>—</b> 132.00	[0.24; 7	1312.19]	0.1%	0.
Zhen L_MC	1.46	0.4973		- Em	4.32	[1.63;	11.45]	4.4%	6.
Chen X_FHC/LCH	0.76	0.7083	-	+	2.13	[0.53;	8.55]	2.2%	3.
Yang L_YCPH	1.02	0.4113		<del></del>	2.78	[1.24;	6.22]	6.4%	7.
Zhao W_BYH	-1.93	3.2549		-	0.14	[0.00;	85.33]	0.1%	0.
Zhang G_WXDPH	0.15	0.5084	-	H	1.17	[0.43;	3.16]	4.2%	6.
Cao M_SPHCC	1.48	0.7381		-	4.39	[1.03;	18.66]	2.0%	3.
Liao Xuelian_MC	2.69	0.9953		<del>  • -</del>	14.79	[2.10;	104.00]	1.1%	2.
JX_WFPH	4.10	3.3578	_	<del>   </del>	<b>—</b> 60.43	[0.08; 4	3592.13]	0.1%	0.
Hongying S_FAHWMU/SAHWMU	0.60	0.8938	-	<del>  •  </del>	1.83	[0.32;	10.53]	1.4%	2.
Jun R_TH	0.74	0.4299		4	2.09	[0.90;		5.8%	7.
Zhou M_MC	1.13	0.2746		ф.	3.10	[1.81;	5.31]	14.3%	10.
YuC_TH	0.85	0.3204		<del>+</del>	2.33	[1.25;	4.37]	10.5%	9.
Yang J_WUH	2.63	2.2726	_	<del>                                     </del>	13.87		1192.64]		0.
Bi Q_STPH		3.1805		+		[0.77; 19			0.
Zheng F_NHCFH		1.4290	_	<del>  [•</del>	4.48	[0.27;	73.78]	0.5%	1.
LiX_TH	0.49	0.1960		<u>+</u>	1.63	[1.11;	2.40]	28.1%	12.
Fixed effect model				Ŷ	2.66	[2.17;		99.0%	
Random effects model				<b> </b>	3.03	[2.22;	4.14]		98.
Heterogeneity: $I^2 = 36\%$ , $\tau^2 = 0.1542$ ,	p = 0.0	5		i i					
MRB = 1				i.					
Liu W_MC	-0.34	1.0621	_	+	0.71	[0.09;			1.
Fixed effect model			<	7	0.71	[0.09;		1.0%	
Random effects model			<	<b>}</b>	0.71	[0.09;	5.69]		1.
Heterogeneity: not applicable				į.					
Fixed effect model				ó	2.62	[2.14;		100.0%	
Random effects model				<b>*</b>	2.95	[2.16;	4.03]		100.
Heterogeneity: $I^2 = 36\%$ , $\tau^2 = 0.1588$ ,	p = 0.0	4	1 1						

Candidate variable: Creatinine increase (per 0.1 mg%), outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)



#### Candidate variable: Acute kidney injury, outcome: severe Covid-19 disease



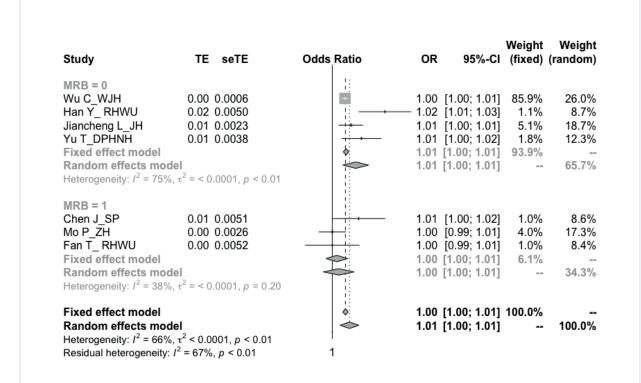
## Candidate variable: High BUN (more than 5.2-9.5 mmol/L), outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)

Study	TE seTE	Odds Ratio	OR	95		Weight (fixed)	Weight (random)
ADJ = 0	4.00.0.0404		445.00		0.701	0.00/	0.00/
Shijiao Y_HHMU	4.98 3.2104	<u> </u>		[0.27; 7840	-	0.2%	0.2%
Zhen L_MC	1.82 0.4557	=	6.20	[2.54; 1		8.3%	8.4%
Chen X_FHC/LCH	1.10 0.7475	1.	3.01	L	3.04]	3.1%	3.1%
Hu L_TH	0.73 0.3196	<u> </u>	2.08	,	3.89]	16.8%	16.9%
Cao M_SPHCC	1.75 0.6145	1	5.75	. ,	9.18]	4.6%	4.6%
IX_WFPH	2.01 1.0903	<u> </u>	7.50		3.56]	1.4%	1.5%
Hongying S_FAHWMU/SAHWM			3.96		6.98]	3.1%	3.2%
/uC_TH	1.09 0.2273	lings and	2.98 4.77		4.65]	33.3%	32.8% 21.6%
iX_TH ixed effect model	1.56 0.2818	1	3.54		8.29] 4.631	21.6% 92.4%	21.0%
Random effects model Heterogeneity: $I^2 = 6\%$ , $\tau^2 = 0.0117$	r, p = 0.39	¥	3.58	L ,	4.77]	92.470	92.3%
ADJ = 1	1.65 0.4751		E 20	[2.05, 1	2 101	7.69/	7.7%
Zhou M_MC Fixed effect model	1.65 0.4751		5.20 5.20		3.19] 3.19]	7.6% 7.6%	1.1%
Random effects model			5.20	E ,	3.19]		7.7%
Heterogeneity: not applicable			5.20	[2.05, 1	3.19]		1.170
Fixed effect model			3.65		•	100.0%	
Random effects model Heterogeneity: $I^2 = 1\%$ , $\tau^2 = 0.0018$			3.66	[2.82;	4.74]		100.0%

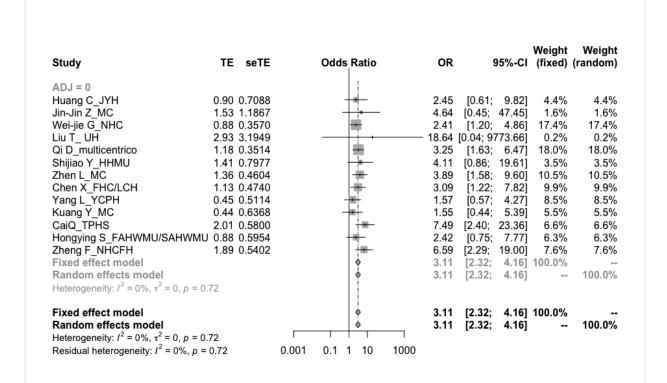
Candidate variable: High LDH (more than 240-250 U/L), outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)

Study	TE s	eTE	Odds	Ratio	OR	,	95%-CI	Weight (fixed)	Weight (random)
MRB = 0				1					
Huang C JYH	1.95 1.1	145	-	<del>-  </del>	7.06	[0.79;	62.72]	0.4%	1.7%
Wei-jie G NHC	1.32 0.3	3404			3.73	[ 1.92;	7.27	4.4%	5.2%
Duan Q WPH	1.00 0.4	156		<del>-4:</del>	2.71	[ 1.20;	6.12	2.9%	4.7%
Liu T_ UH	2.93 1.0	788		1:	18.75	[ 2.26;	155.34]	0.4%	1.8%
Qi D multicentrico	0.94 0.3	3436		<del>+:</del>	2.57	[ 1.31;		4.3%	5.2%
Zhen L MC	1.46 0.5	6089		<del></del>	4.30	[1.59;	11.66	2.0%	4.1%
Chen X FHC/LCH	2.32 0.3	8669		-	10.20	[4.97;	20.94	3.8%	5.0%
Hu L TH	1.77 0.8	8641		<del>-       -   -   -   -   -   -   -   -  </del>	5.88	[1.08;	32.01	0.7%	2.4%
Tabata S SDFCH	0.66 0.4	810	-	*1:	1.93	[ 0.75;	4.95]	2.2%	4.3%
Wang Z UH	2.43 0.8	343		1: -	11.33	[2.21;	58.15]	0.7%	2.5%
Xu Y TĀHG	1.49 0.7	446		<del>- i -</del>	4.45	[1.03;	19.16	0.9%	2.9%
Yang L YCPH	2.23 0.5	5232		i <del></del>	9.31	[ 3.34;	25.951	1.9%	4.0%
Kuang Y MC	2.11 0.5	5116		<del>    -</del>	8.29	[3.04;	22.59	1.9%	4.1%
CaiQ TPHS	2.67 0.5	046		¦: <b></b> -	14.51	5.40;	39.02	2.0%	4.2%
MY multicenter 43 hosp	0.66 0.2	2867		<b>∞</b> !	1.94	[ 1.11:	3.41]	6.2%	5.5%
Hongying S FAHWMU/SAHWMU	3.06 1.0	820			21.38			0.4%	1.8%
Zhou M MC	1.19 0.4			- <del></del>	3.29		8.28]	2.3%	4.4%
YuC TH	0.35 0.1	252		+	1.42				6.3%
Zhang R RH	0.92 0.5	809	-	<del>- :</del>	2.50	:08.0	7.81	1.5%	3.7%
Zhang L WUH	1.12 0.2	155		*	3.05	[ 2.00:	4.651	10.9%	5.9%
Zheng F NHCFH	1.55 0.4			<del>-ii-</del>	4.70	[2.02;	10.941	2.7%	4.6%
LiX TH	1.62 0.2	277		<del>-</del>	5.06			9.8%	5.9%
Li Y_TH	0.69 0.8	8660	_	<del>+ :</del>	2.00			0.7%	2.4%
Fixed effect model				<b>\$</b> :	2.83		3.27]		
Random effects model				<b>\(\phi\)</b>	4.22	[ 3.02;	5.901		92.7%
Heterogeneity: $I^2 = 74\%$ , $\tau^2 = 0.4021$ ,	p < 0.01			<b>*</b>		<u>,</u>			
MRB = 1									
Huang H_GEPH	5.39 1.2	2399		H	219.60	[19.33; 24	494.65]	0.3%	1.5%
Colombi D GdSH	1.10 0.3	3494		+ <del>:</del>	3.00	[ 1.51;	5.95]	4.2%	5.1%
Dong J FMC	3.38 1.8	3722	-	<del>-  </del>	29.35	[ 0.75; 1	151.35	0.1%	0.7%
Fixed effect model				<b>⇔</b>	4.37	[ 2.29;	8.37]	4.6%	
Random effects model					22.51	[ 1.04; 4	487.75]		7.3%
Heterogeneity: $I^2 = 84\%$ , $\tau^2 = 5.9142$ ,	p < 0.01			ii.			-		
Fixed effect model				•	2.89	[ 2.51;	3.32]	100.0%	
Random effects model				<b>♦</b>	4.48	[ 3.21;	6.25]		100.0%
Heterogeneity: $I^2 = 75\%$ , $\tau^2 = 0.4420$ ,	p < 0.01					- '	•		

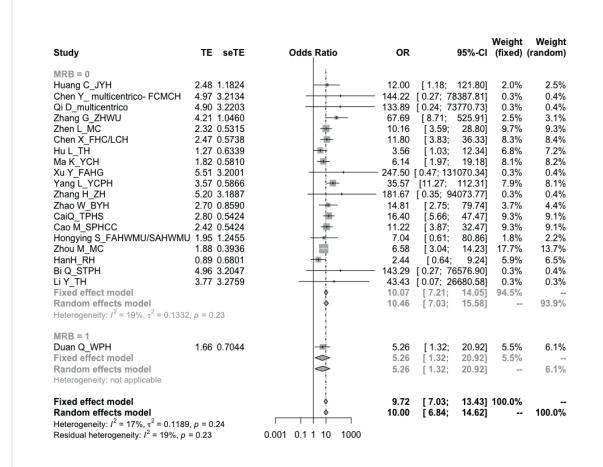
Candidate variable: LDH increase (per 1 U/L), outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



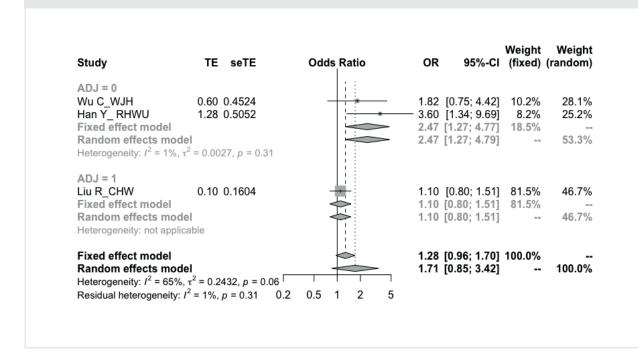
Candidate variable: High CK (more than 185-200 U/L), outcome: severe Covid-19 disease



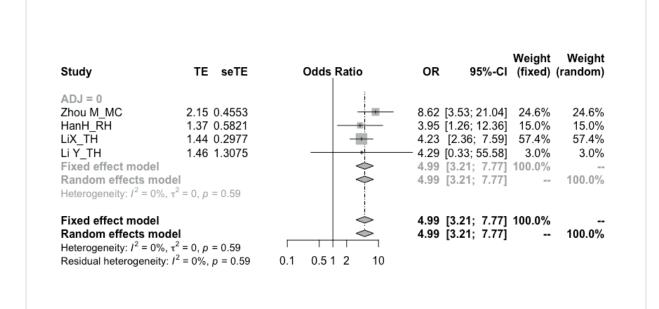
## Candidate variable: Myocardial injury, outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



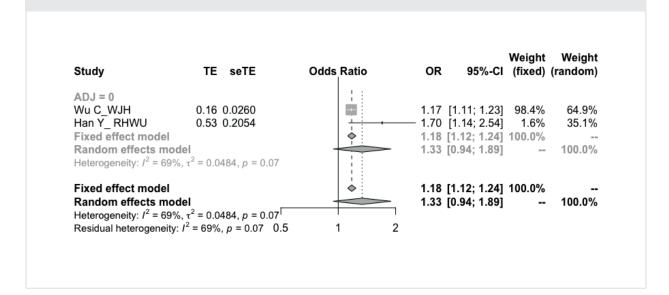
Candidate variable: High CK-MB (more than 25 U/L), outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)



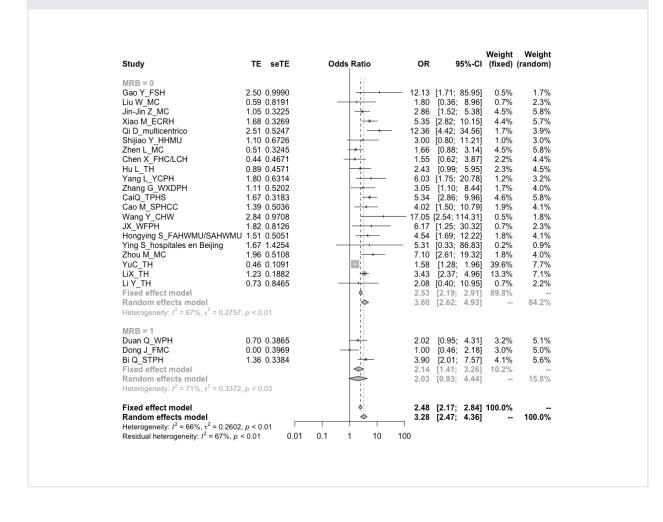
Candidate variable: High BNP (more than 500-900 pg/mL), outcome: severe Covid-19 disease



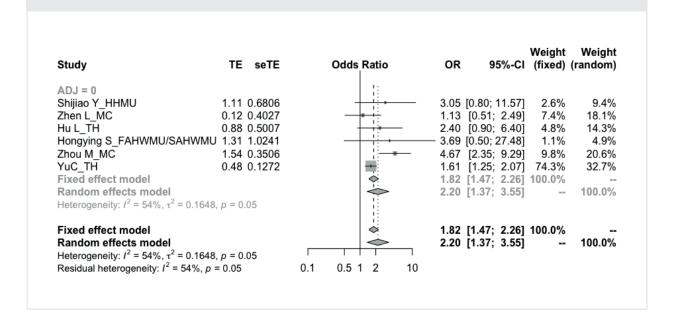
Candidate variable: Urea increase (per 1 mmol/L), outcome: severe Covid-19 disease



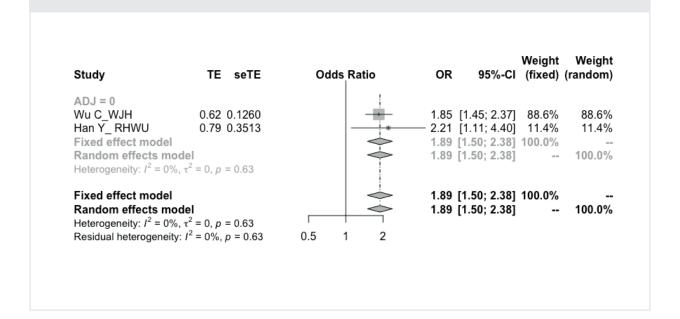
Candidate variable: High D-dimer (more than 500-1000 ng/ml), outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



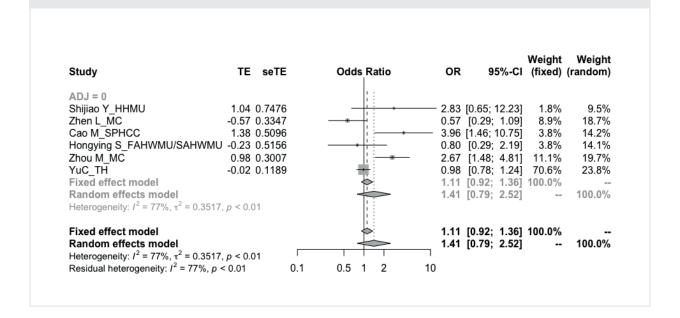
#### Candidate variable: Prolonged PT, outcome: severe Covid-19 disease



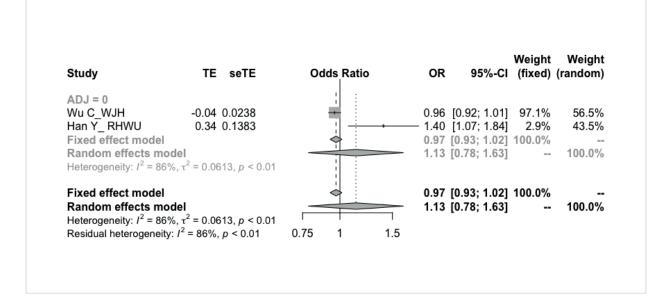
Candidate variable: Increase PT (per 1 second), outcome: severe Covid-19 disease



#### Candidate variable: Prolonged APTT time, outcome: severe Covid-19 disease



Candidate variable: Increase APTT time (per 1 second), outcome: severe Covid-19 disease



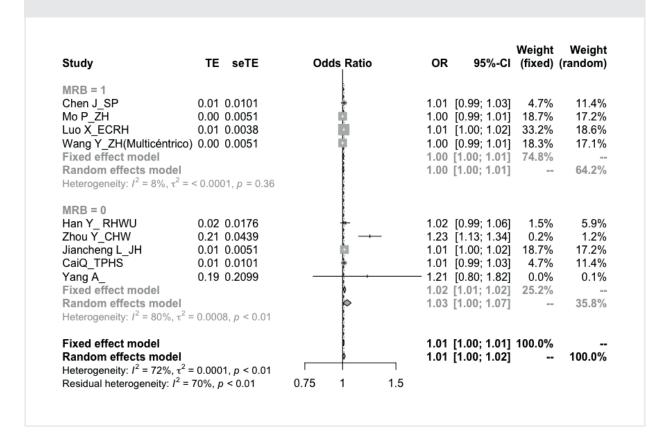
Candidate variable: High ferritin (more than 300-500 ng/mL), outcome: severe Covid-19 disease

Study	TE	seTE	Odds Ratio	OR		95%-CI	Weight (fixed)	Weight (random)
ADJ = 0								
Wu C_WJH	2.08 1	1.0611	<del>  • -</del>	8.01	[1.00;	64.10]	4.6%	4.6%
Chen G_TH	5.33 3	3.2541	++	<b>—</b> 207.00 [	0.35; 121	854.40]	0.5%	0.5%
Zhou M_MC	1.67 (	0.6082	<del> - </del>	5.33	[1.62;	17.56]	14.1%	14.1%
LiX_TH	1.27 (	0.2660	+	3.57	[2.12;	6.01]	73.7%	73.7%
Li Y_TH	0.57	0.8607	<del>- * -</del>	1.76	[0.33;	9.51]	7.0%	7.0%
Fixed effect model			<b>♦</b>	3.81	[2.43;	5.96]	100.0%	
Random effects mo	odel		<b>♦</b>	3.81	[2.43;	5.96]		100.0%
Heterogeneity: $I^2 = 0\%$	$(0, \tau^2 = 0, p =$	0.53						
Fixed effect model			<b>.</b>	3.81	[2.43;	5.96]	100.0%	-
Random effects mo	odel		<b>♦</b>	3.81	[2.43;	5.96]		100.0%

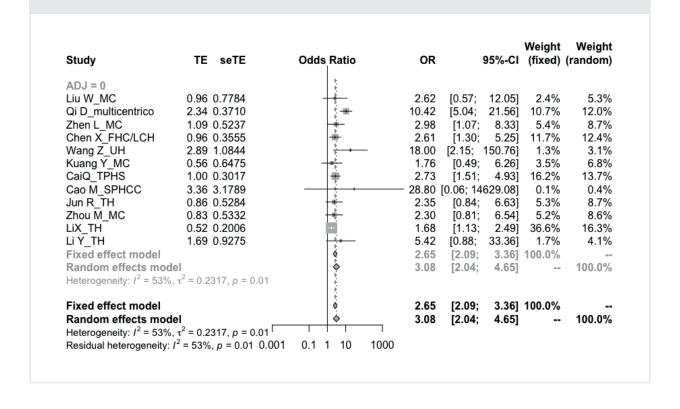
## Candidate variable: High CRP (More than 1-100 mg/l) outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)

Study	TE	seTE	Odds	Ratio	OR		95%-CI	Weight (fixed)	Weigh (random
55.0 	-			T:				,	38
MRB = 0	2.06	2.0499		1	17.40	10.24	967.091	0.1%	0.79
Wu C_WJH				1		[0.31;			
Li K_CMU		0.7828		1	13.20	[2.85;	61.24]	0.9%	2.5%
Liu F_XH		1.4433		i.	2.67	[0.16;	45.14]	0.3%	1.29
Jin-Jin Z_MC		0.8024	1	1	3.31	[0.69;	15.96]	0.9%	2.5%
Wei-jie G_NHC		0.5291		1	7.17	[2.54;	20.24]	2.0%	3.5%
Liu Y_ CHW		1.1031		-	59.00	[6.79;	512.67]	0.5%	1.79
Xiao M_ECRH		0.4192		1	8.12	[3.57;	18.46]	3.2%	3.99
Qi D_multicentrico		0.3872		-	16.31	[7.64;	34.84]	3.7%	4.09
Shijiao Y_HHMU		0.6579		1.	6.04	[1.66;	21.94]	1.3%	3.0%
Zhen L_MC	-0.22	1.2376	-	1	0.80	[0.07;	9.05]	0.4%	1.5%
Chen G_TH	5.38	3.2547	-	1	216.33	[0.37; 12		0.1%	0.39
Chen X_FHC/LCH	0.91	0.3296		1	2.49	[1.30;	4.75]	5.1%	4.39
Hu L_TH	1.05	0.3393		*	2.86	[1.47;	5.56]	4.8%	4.29
Tabata S SDFCH	0.96	0.4658		*	2.61	[1.05;	6.50]	2.6%	3.79
Wang Z UH	1.96	1.0831		1:1	7.10	[0.85;	59.29]	0.5%	1.89
Xu Y_GH	3.44	3.2277	-	1	- 31.17	[0.06; 1	7427.851	0.1%	0.39
Yang L YCPH		3.1718	_		152.51		6400.58]	0.1%	0.39
Zhao W BYH		0.7917			7.03	[1.49;	33.18]	0.9%	2.59
Kuang Y MC		0.4044	1	1	1.71	[0.78;		3.4%	4.09
		0.7227	-	1	0.29	[0.07;		1.1%	2.79
FL GHCTCPLA		0.7701		1.	7.31	[1.62;	33.07]	0.9%	2.69
JX WFPH		0.8766		1	7.07	[1.27;	39.41]	0.7%	2.39
MY multicenter 43 hosp		0.2704		1	3.39	[2.00;		7.6%	4.5%
	100000			1	18.28			0.5%	1.99
Hongying S_FAHWMU/SAHWMU		0.7326		1	4.17	[2.40;	138.92]	1.0%	2.79
Chen W_YH						[0.99;	17.51]		3.49
Jun R_TH	100000	0.5404			3.00	[1.04;	100000000000000000000000000000000000000	1.9%	100000
Zhou M_MC		0.4941		1	3.79	[1.44;		2.3%	3.69
YuC_TH		0.1320	- 4	4	1.15	[0.89;		31.9%	4.99
Li H_TH		0.5271		1	6.50	[2.31;	18.26]	2.0%	3.5%
Zheng F_NHCFH		3.1732		! '	131.54	the state of the state of the state of	6078.61]	0.1%	0.3%
LIX_TH		0.3172		-	6.41	[3.44;	11.94]	5.5%	4.3%
Li Y_TH	1.00	0.9470	-	1:	2.72	[0.43;	17.42]	0.6%	2.19
Fixed effect model				0	2.67	[2.28;	3.12]	86.7%	
Random effects model				•	4.46	[3.00;	6.64]	***	84.5%
Heterogeneity: $I^2 = 75\%$ , $\tau^2 = 0.7269$ ,	p < 0.0	)1							
MRB = 1				-					
Liu W_MC		0.8532		<del></del>	10.53	[1.98;	56.07]	0.8%	2.39
Huang H_GEPH	2.42	1.0054		+++	11.28	[1.57;	80.93]	0.5%	1.99
Chao C_NFHJCH	0.38	0.7564	-	11	1.46	[0.33;	6.43]	1.0%	2.69
Colombi D_GdSH	1.03	0.3220		+	2.80	[1.49;	5.26]	5.4%	4.39
Bi Q_STPH	1.63	0.3144		Lan.	5.08	[2.75;	9.41]	5.6%	4.39
Fixed effect model				0	3.93	[2.63;		13.3%	
Random effects model				•	4.04	[2.31;			15.5%
Heterogeneity: $I^2 = 33\%$ , $\tau^2 = 0.1248$ ,	p = 0.2	20				2			
Fixed effect model				0	2.81	[2.43;	3.251	100.0%	
Random effects model			V-03	•	4.40	[3.10;		-	100.09
Heterogeneity: $I^2 = 73\%$ , $\tau^2 = 0.6316$ ,						[	01		

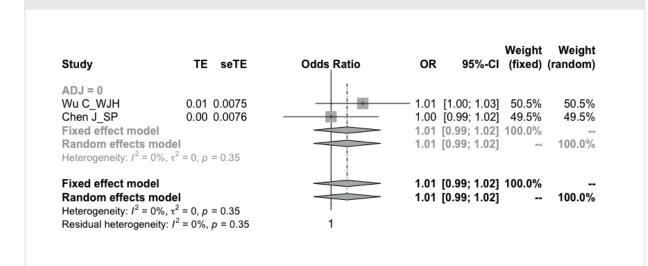
## Candidate variable: CRP increase (per 1 mg/L), outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



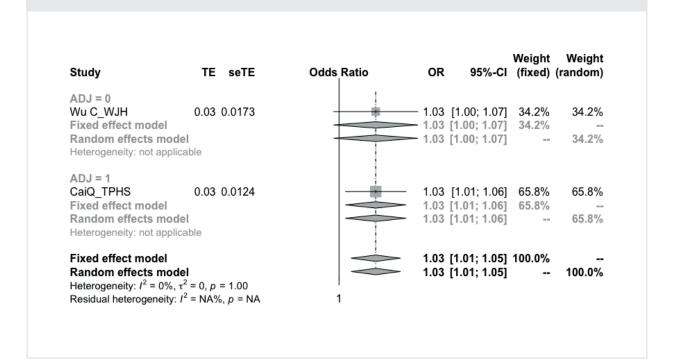
Candidate variable: High ESR (more than 10-20 mm/H), outcome: severe Covid-19 disease



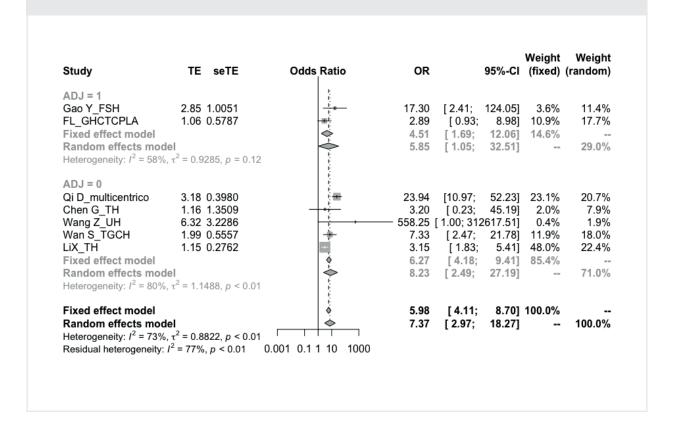
Candidate variable: ESR increase (per 1 mm/H), outcome: severe Covid-19 disease



Candidate variable: IL-6 increase (per 1 pg/mL), outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)



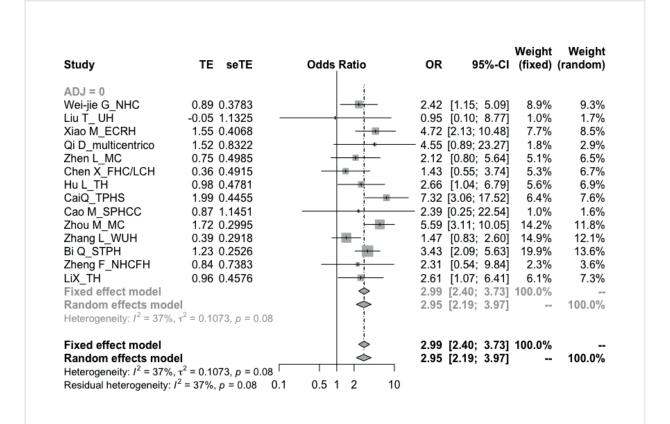
Candidate variable: High interleukin-6 (more than 5-20 pg/ml), outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)



## Candidate variable: High procalcitonin (more than 0.01-05 ng/ml), outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)

Study	TE seTE	Odds Ratio	OR	95%-CI	Weight (fixed)	Weight (random)
ADJ = 0						
Huang C_JYH	4.47 3.2392	- <u>                                    </u>	<b>— 87.00</b>	[ 0.15; 49745.53]	0.1%	0.5%
Li K_CMU	2.08 0.6080	1:-	7.99	[ 2.43; 26.30]	1.7%	4.4%
Wang D_ZH	2.39 0.4540	<del> </del>	10.91	[4.48; 26.56]	3.0%	4.9%
Jin-Jin Z MC	1.18 0.4022		3.25	[1.48; 7.15]	3.8%	5.1%
Wei-jie G_NHC	2.04 0.3936	i <del>-i-</del>	7.69	[3.55; 16.63]	4.0%	5.1%
Liu Y CHW	1.19 3.2566	<del>- +:</del>	3.28	[ 0.01; 1942.54]	0.1%	0.5%
Xiao M ECRH	3.56 1.0203	;	35.22	[4.77; 260.19]	0.6%	3.0%
Qi D multicentrico	2.09 0.4517	<del></del>	8.05	[3.32; 19.51]	3.0%	4.9%
Shijiao Y HHMU	0.42 0.5275	101	1.52	[0.54; 4.28]	2.2%	4.7%
Zhang G_ZHWU	2.45 0.3624	i -	11.61	[5.71; 23.63]	4.7%	5.2%
Chen G TH	3.50 3.2577	- 1: -	33.14	[0.06; 19647.54]	0.1%	0.5%
Hu L TH	0.24 0.3543	<del></del> -!	1.27	[0.63; 2.54]	4.9%	5.3%
Wang G_PHTCC	0.81 0.3686	<u> </u>	2.24	[1.09; 4.62]	4.5%	5.2%
Wang Z UH	-2.32 3.2189		0.10	[0.00; 54.00]	0.1%	0.5%
Yang L_YCPH	3.60 0.5904			[11.54; 116.70]	1.8%	4.4%
Zhao W BYH	3.30 3.3438			[ 0.04; 18949.42]	0.1%	0.5%
Cao M SPHCC	-0.11 0.5472	<b>↓</b> :	0.89	[0.31; 2.61]	2.1%	4.6%
Lei S RHZHTHC	1.93 0.8018	1	6.86	[1.42; 33.01]	1.0%	3.7%
MY multicenter 43 hosp	-0.13 0.5415		0.88	[0.30; 2.54]	2.1%	4.6%
Hongying S_FAHWMU/SAHW			0.31	[0.00; 175.95]	0.1%	0.5%
Chen W YH	3.47 1.2311	<del>                                    </del>	32.00	[2.87; 357.31]	0.4%	2.4%
Jun R TH	1.87 0.5670	1:-	6.52	[2.15: 19.80]	1.9%	4.5%
Zhou M MC	2.11 0.3473	1	8.28	[4.19; 16.36]	5.1%	5.3%
YuC TH	0.45 0.1124		1.57	[1.26; 1.96]		5.8%
Bi Q_STPH	3.03 0.6449	T:	20.77	[5.87; 73.51]	1.5%	4.2%
LiX TH	2.90 0.6048		18.18	[5.55; 59.47]	1.7%	4.4%
Fixed effect model	2.90 0.0046	1	2.87	[2.46; 3.35]	99.1%	4.470
Random effects model		Y:	5.45	[ 3.32; 8.95]	33.176	94.9%
Heterogeneity: $I^2 = 83\%$ , $\tau^2 = 1.0$ .	244, p < 0.01	<b>*</b>	5.45	[ 3.32; 6.95]	-	94.970
ADJ = 1						
Liu W_MC	-1.75 1.3466	<del></del> -	0.17	[ 0.01; 2.44]	0.3%	2.2%
FL_GHCTCPLA	2.18 1.0351	1:	8.86	[1.17; 67.38]	0.6%	2.9%
Fixed effect model		<del></del>	2.06	[ 0.41; 10.28]	0.9%	
Random effects model Heterogeneity: $I^2 = 81\%$ , $\tau^2 = 6.2$	811, p = 0.02		1.36	[ 0.03; 63.94]		5.1%
Fixed effect model		<b> </b>	2.86	[ 2.45; 3.33]	100.0%	
Random effects model		<b>♦</b>	5.14	[3.16; 8.35]		100.0%
Heterogeneity: $I^2 = 82\%$ , $\tau^2 = 1.0$	378, p < 0.01					
Residual heterogeneity: $I^2 = 83\%$						

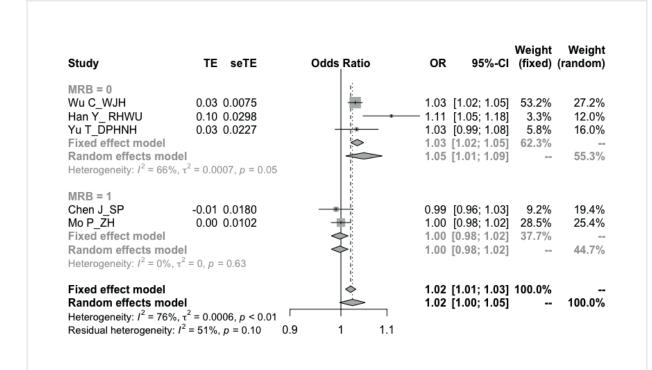
#### Candidate variable: High total bilirubin (more than 17-21pg/ml), outcome: severe Covid-19 disease



Candidate variable: High AST level (more than 32-40 U/l), outcome: severe Covid-19 disease

Study	TE seTE	Odds Ratio	OR	95%-CI	Weight (fixed)	Weight (random)
ADJ = 0		1 1:				
Huang C JYH	2.17 0.8029		8.76	[1.82; 42.27]	0.6%	1.6%
Liu W MC	0.73 0.7943			[0.44; 9.87]	0.6%	
Wei-jie G NHC	1.38 0.2928			[2.23; 7.04]	4.2%	
Duan Q WPH	0.92 0.4997	<u> </u>		[0.94; 6.66]	1.4%	
Liu T UH	1.80 1.0778	11		[0.73; 50.00]		
Qi D multicentrico	1.75 0.4908	1		[2.21; 15.12]	1.5%	
Shijiao Y HHMU	1.78 0.5514	<u> </u>		[2.01; 17.49]		
Zhen L MC	1.32 0.3204	1		[2.00; 7.01]		
Chen G TH	2.01 1.2156	<u> </u>		[0.69; 81.24]	0.2%	
Chen X_FHC/LCH	1.28 0.3638			[1.75; 7.30]		
Hu L TH	1.18 0.3065	<u>  [</u>		[1.78; 7.30]	3.8%	
Tabata S_SDFCH	1.26 0.5397	<u>  I                                   </u>		[1.22; 10.14]		
Wang Z UH	1.28 0.6263			[1.05; 12.23]		
Xu Y FAHG	1.79 0.6770					
Yang L YCPH	1.04 0.4104			[1.59; 22.62]		
Zhao W BYH	1.23 0.5609	<u></u>		[1.27; 6.33]		
				[1.14; 10.27]	1.1%	
Kuang Y_MC	0.99 0.5397			[0.93; 7.75]		
Zhang G_WXDPH	0.93 0.4468			[1.06; 6.08]		
CaiQ_TPHS	1.89 0.4352			[2.82; 15.54]		
Cao M_SPHCC	1.43 0.5109			[1.54; 11.42]		
FY_JH, SPHCC, TPH	2.00 0.2788			[4.28; 12.78]		
MY_multicenter 43 hosp	0.44 0.3334	T*- <u>1</u> :		[0.81; 2.99]		
Colombi D_GdSH	0.96 0.2745	1		[1.52; 4.45]		
Hongying S_FAHWMU/SAHWMU				[1.62; 21.54]		
Jun R_TH	0.71 0.4054			[0.92; 4.52]		
Zhou M_MC	1.46 0.3145			[2.32; 7.96]		
YuC_TH	0.22 0.1305	7-1		[0.96; 1.61]		5.3%
Zhang L_WUH	0.56 0.1945	-		[1.20; 2.57]	9.5%	
Bi Q_STPH	1.79 0.2532			[3.66; 9.86]		
Zheng F_NHCFH	2.09 0.4971	1 1		[3.04; 21.37]		
LiX_TH	0.93 0.1890	1 =		[1.75; 3.66]		
Li Y_TH	0.47 0.8390	1.1		[0.31; 8.32]	0.5%	
Fixed effect model		•		[2.40; 3.04]		
Random effects model		•	3.41	[2.70; 4.30]		100.0%
Heterogeneity: $I^2 = 67\%$ , $\tau^2 = 0.247$	1, <i>p</i> < 0.01					
Fixed effect model		<b>*</b>		[2.40; 3.04]		-
Random effects model Heterogeneity: $I^2 = 67\%$ , $\tau^2 = 0.247$		<b>*</b>	3.41	[2.70; 4.30]		100.0%

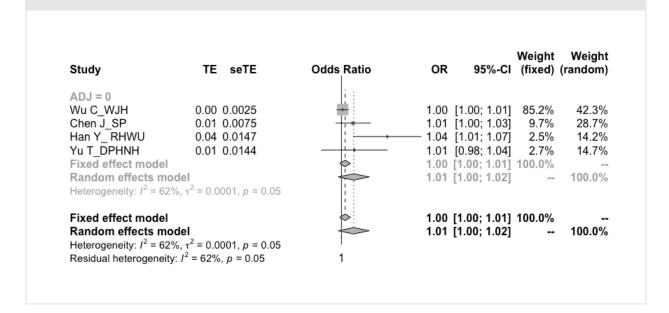
### Candidate variable: AST increase (per 1 U/), outcome: severe Covid-19 disease, subgroup analysis by risk of bias (high vs moderate/low)



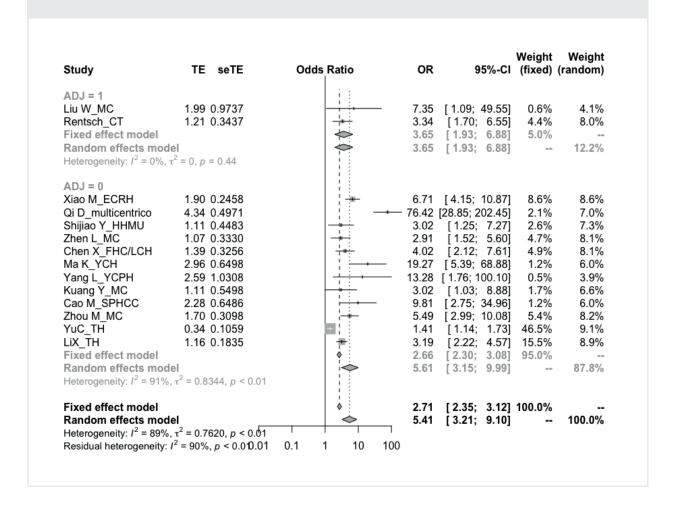
## Candidate variable: High ALT level (more than 35-50 U/L), outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)

Study	TE	seTE	Odd	s Ratio	OR	95%-CI	Weight	Weight (random)
Study	- 12	3616	Ouu		OK	33 /6-01	(IIXeu)	(randon)
ADJ = 0				1 1				
Wu C_WJH	1.05	0.3381		100	2.87	[1.48; 5.57]	3.5%	4.4%
Liu W_MC	0.03	0.5688	_	<del>       </del>	1.03	[0.34; 3.15]	1.2%	3.0%
Wei-jie G NHC	1.02	0.3058		<del>- a</del> -	2.77	[1.52; 5.04]	4.3%	4.7%
Liu Ť UH	1.80	1.0778		++	— 6.05	[0.73; 50.00]	0.3%	1.3%
Qi D multicentrico	1.64	0.4794		<del> </del>	5.17	[2.02; 13.24]	1.7%	3.5%
Shijiao Y HHMU	0.81	0.7072	-	1 1	2.25	[0.56; 9.01]	0.8%	2.4%
Zhen L MC	0.41	0.3537		<del>  = :</del>	1.50	[0.75; 3.01]	3.2%	4.3%
Chen X FHC/LCH	1.02	0.4237			2.76	[1.20: 6.34]	2.2%	3.9%
Hu L TH	0.73	0.3303		<u></u>	2.08	[1.09; 3.98]	3.6%	4.5%
Tabata S SDFCH	1.58	0.5890		1:		[1.52; 15.34]	1.1%	2.9%
Wang Z UH		0.6138	_	<b>↓</b>		[0.50; 5.58]	1.1%	
Xu Y FAHG		0.6770				[1.59; 22.62]	0.9%	2.5%
Yang L YCPH		0.4250		1		[1.33; 7.05]	2.2%	
Zhang G WXDPH		0.4806		1:		[1.46; 9.62]	1.7%	
CaiQ TPHS		0.3653				[2.99; 12.53]	3.0%	
Cao M SPHCC		0.6765	_	<b></b>		[0.44; 6.20]	0.9%	
FY_JH, SPHCC, TPH		0.2802				[3.32; 9.95]	5.1%	
JX WFPH		0.8075	_	<u> </u>		[0.40; 9.56]	0.6%	
MY multicenter 43 hosp		0.3118	_	1		[0.55; 1.88]	4.1%	
Jun R TH		0.4438		1		[0.66; 3.77]	2.0%	3.7%
Zhou M MC		0.2744				[1.17; 3.42]	5.3%	
YuC TH		0.1303		<b>i</b> ii		[0.77; 1.28]		
Zhang L WUH		0.1911		T=:		[1.03; 2.18]	10.9%	
Bi Q STPH		0.2589		T		[3.02; 8.33]		
Zheng F NHCFH		0.6108		1:		[0.93; 10.18]	1.1%	
LiX TH		0.2041		<u> - 1</u>		[0.75; 1.66]	9.6%	
Fixed effect model	0.11	0.2011		Γ 🖟		[1.66; 2.13]		0.070
Random effects model				i		[1.81; 3.14]		98.6%
Heterogeneity: $I^2 = 74\%$ , $\tau^2 = 0.3211$ ,	p < 0.0	)1			2.00	[1.01, 0.14]		00.070
ADJ = 1								
Hongying S_FAHWMU/SAHWMU	2.30	1.0372		<del>                                    </del>	10.00	[1.31; 76.36]	0.4%	1.4%
Fixed effect model				-	<del></del>	[1.31; 76.36]	0.4%	
Random effects model				1		[1.31; 76.36]		1.4%
Heterogeneity: not applicable								
Fixed effect model				•	1.89	[1.67; 2.14]	100.0%	
Random effects model				<b>\$</b>	2.44	[1.85; 3.21]		100.0%
Heterogeneity: $I^2 = 74\%$ , $\tau^2 = 0.3266$ ,	p < 0.0	01				•		

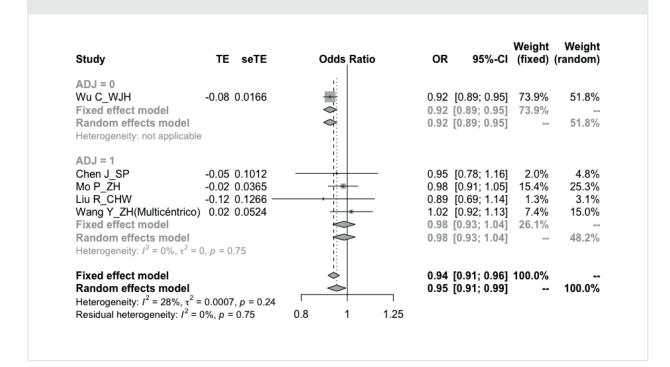
Candidate variable: Increase ALT level (per 1 U/L), outcome: severe Covid-19 disease



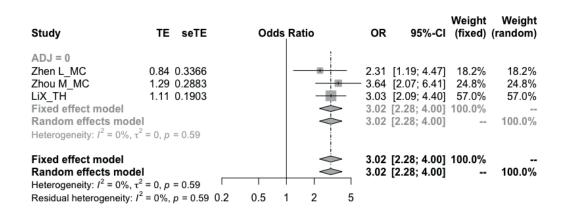
Candidate variable: Low albumin (less than 35-40 g/L), outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)



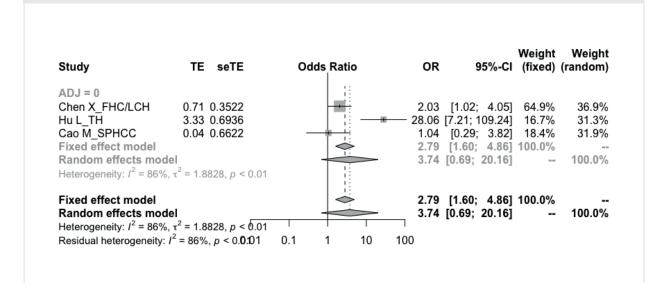
Candidate variable: Increase albumin (per 10 g/L), outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)



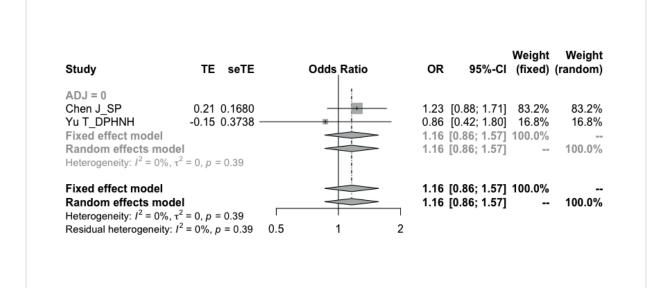
Candidate variable: High glucose (more than 6 mmol/l), outcome: severe Covid-19 disease



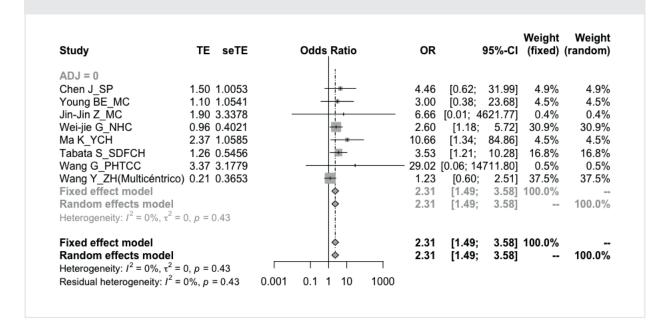
Candidate variable: High lactate (more than 1.5-2.2 mmol/L), outcome: severe Covid-19 disease



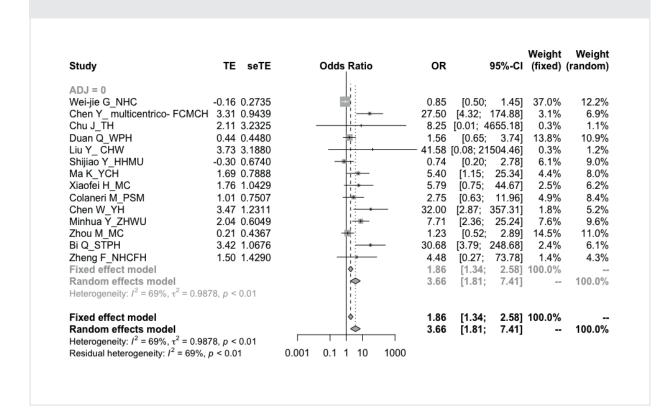
Candidate variable: Lactate increase (per 1 mmol/L), outcome: severe Covid-19 disease



#### Candidate variable: Any abnormal Radiologic finding, outcome: severe Covid-19 disease



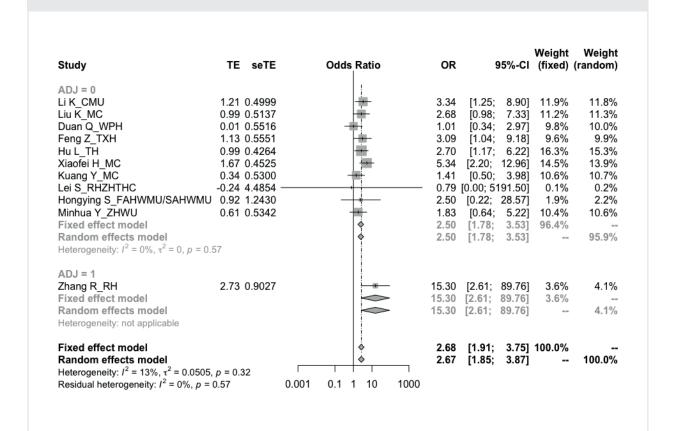
#### Candidate variable: Interstitial pattern, outcome: severe Covid-19 disease



## Candidate variable: Ground glass opacity, outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)

Li K_MC  0.79 0.5835  Cao W_X-1 H  0.73 0.5493  Chu J_TH  0.51 0.7176  0.09 0.5878  1.10 [0.35; 3.47] 1.4% 3.7%  1.10 [0.35; 3.47] 1.4% 3.7%  1.10 [0.35; 3.47] 1.4% 3.7%  1.10 [0.35; 3.47] 1.4% 3.7%  1.10 [0.13; 3.47] 1.4% 3.7%  1.10 [0.13; 3.47] 1.4% 3.7%  1.10 [0.13; 3.47] 1.4% 3.7%  1.10 [0.15] 2.73 7.73] 1.3% 3.6%  1.10 [0.15] 2.73 7.73] 1.3% 3.6%  1.10 [0.15] 2.73 7.73] 1.3% 3.6%  1.10 [0.15] 2.74 1.4% 3.7%  1.10 [0.16; 14.49] 0.0%  1.10 [0.16; 14.49] 0.4% 1.7%  1.10 [0.17; 1.39] 1.7% 1.0%  1.10 [0.17; 1.39] 1.7% 1.0%  1.10 [0.17; 1.39] 1.7% 1.0%  1.10 [0.17; 1.39] 1.7% 1.0%  1.10 [0.17; 1.39] 1.7% 1.0%  1.10 [0.17; 1.39] 1.7% 1.0%  1.10 [0.17; 1.39] 1.7%  1.10 [0.17; 1.74] 1.4% 1.7%  1.10 [0.16; 14.49] 0.4% 1.7%  1.10 [0.17; 1.39] 1.7%  1.10 [0.17; 1.39] 1.7%  1.10 [0.17; 1.39] 1.7%  1.10 [0.17; 1.39] 1.7%  1.10 [0.17; 1.39] 1.7%  1.10 [0.17; 1.39] 1.7%  1.10 [0.17; 1.39] 1.7%  1.10 [0.17; 1.39] 1.7%  1.10 [0.17; 1.39] 1.7%  1.10 [0.17; 1.39] 1.7%  1.10 [0.17; 1.39] 1.7%  1.10 [0.17; 1.39] 1.7%  1.10 [0.17; 1.39] 1.7%  1.10 [0.17; 1.3	Study	TE	seTE	Odds Ratio	OR	!	95%-CI	(fixed)	(random)
Liu K MC  Cao W X-1 H  Cao W X	ADJ = 0			:					
Liu K MC  Cao W X-1 H  Cao W X	Li K CMU	2.14	3.2533	<u>i</u>	8.48	[0.01: 4	985.361	0.0%	0.3%
Cao M X-1 H				<b>↓</b> .					
Chu J TH  Duan Q WPH  Duan Q				<del> </del>					
Duan Q WPH				4					
Liu T_ UH  1.61 3.2309  SNijiao Y_HHMU  0.87 0.6019  2.38 [0.73; 7.73] 1.3% 3.6%  2.38 [0.73; 1.73] 1.3% 3.6%  2.77 [0.91; 8.49] 1.5% 3.8%  2.77 [0.91; 8.49] 1.5% 3.8%  2.77 [0.91; 8.49] 1.5% 3.8%  2.77 [0.91; 8.49] 1.5% 3.8%  2.77 [0.91; 8.49] 1.5% 3.8%  2.78 [0.36; 1.69] 3.1% 4.8%  2.79 [0.36; 1.69] 3.1% 4.8%  2.97 [0.36; 1.69] 3.1% 4.8%  2.97 [1.21; 7.27] 2.3% 4.4%  2.97 [1.21; 7.27] 2.3% 4.4%  2.97 [1.21; 7.27] 2.3% 4.4%  2.97 [1.21; 7.27] 2.3% 4.4%  2.97 [1.21; 7.27] 2.3% 4.4%  2.97 [1.21; 7.27] 2.3% 4.4%  2.97 [1.21; 7.27] 2.3% 4.4%  2.97 [1.21; 7.27] 2.3% 4.4%  2.97 [1.21; 7.27] 2.3% 4.4%  2.97 [1.21; 7.27] 2.3				<u> </u> :					
Shijiao Y HHMU				<u> </u> :					
Zhao W_SXH				<u> </u>					
Lei L CÜTCH Feng Z TXH				<del>-  </del>			-		
Feng Z TXH				<del>_</del>					
Hu L TH									
Li J CHW Wang G PHTCC 1.54 0.4088  Wang G PHTCC 1.54 0.4088  Wang Y MC 1.02 0.5707  Li J C (2.09; 10.40] 2.9% 4.7%  Kuang Y MC 1.02 0.5707  Li J C (2.09; 10.40] 2.9% 4.7%  Kuang Y MC 1.02 0.5707  Li J C (2.09; 10.40] 2.9% 4.7%  Kuang Y MC 1.02 0.5707  Li J C (2.09; 10.40] 2.9% 4.7%  Kuang Y MC 1.02 0.5707  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.88  Kuang Y MC 1.02 0.5707  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Kuang Y MC 1.02 0.5707  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Kuang Y MC 1.70 (0.18; 1.42] 1.7% 4.0%  A 1.89  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Li J C (2.09; 10.40] 2.9% 4.7%  A 1.89  Li J C (2.09; 10.40] 2.9% 4.89  Li J C (2.09; 10.40; 1.5%  Li J C (2.09; 1.84) 2.1%  Li J C (2.09; 10.40; 1.5%  Li J C (2.09; 1.84) 2.1%  Li J C (2.0				<b>→</b> [:					
Wang G_PHTCC       1.54 0.4088         Xiaofei H_MC       1.02 0.5707         Kuang Y_MC       -0.33 0.4766         FY_JH, SPHCC, TPH       -0.25 0.3925         CM_FAHSYU       1.09 0.5976         JX_WFPH       3.41 3.1987         MY_multicenter 43 hosp       1.09 0.2959         Hongying S_FAHWMU/SAHWMU       -0.29 1.2435         Xin L_CHWC/hospitales en Hunan       2.69 3.1992         Ying S_hospitales en Beijing       3.73 3.1948         Chen W_YH       0.18 0.7170         Wang X_DFH       -0.50 0.2155         Herold T_UH       0.50 1.2142         Minhua Y_ZHWU       -0.61 0.5929         Zhou M_MC       1.74 0.3689         YuC_TH       -0.17 0.1003         Zheng F_NHCFH       0.80 0.4250         Fixed effect model         Random effects model         Heterogeneity: I² = 70%, r² = 0.4636, p < 0.01				<b>→</b>					
Xiaofei H_MC				} <u>·</u>			-		
Kuang Y_MC       -0.33 0.4766       -0.72 [0.28; 1.83] 2.1%       4.3%         FY JH, SPHCC, TPH       -0.25 0.3925       -0.78 [0.36; 1.69] 3.1%       4.8%         CM_FAHSYU       1.09 0.5976       2.99 [0.93; 9.64] 1.3%       3.6%         JX_WFPH       3.41 3.1987       30.35 [0.06; 16029.59] 0.0%       0.3%         MY_multicenter 43 hosp       1.09 0.2959       -2.98 [1.67; 5.33] 5.5%       5.4%         Hongying S_FAHWMU/SAHWMU       -0.29 1.2435       0.75 [0.07; 8.58] 0.3%       1.5%         Xin L_CHWC/hospitales en Hunan       2.69 3.1992       14.75 [0.03; 7797.57] 0.0%       0.3%         Ying S_hospitales en Beijing       3.73 3.1948       41.69 [0.08; 21851.41] 0.0% 0.3%         Chen W_YH       0.18 0.7170       1.20 [0.29; 4.89] 0.9% 3.1%         Wang X_DFH       -0.50 0.2155       0.60 [0.40; 0.92] 10.4% 5.8%         Herold T_UH       0.50 1.2142       1.65 [0.15; 17.82] 0.3% 1.5%         Minhua Y_ZHWU       -0.61 0.5929       0.54 [0.17; 1.74] 1.4% 3.7%         Zhang R_RH       1.50 1.0633       4.46 [0.56; 35.86] 0.4% 1.9%         Bi Q_STPH       2.33 1.0220       10.33 [1.39; 76.54] 0.5% 2.0%         Zheng F_NHCFH       0.80 0.4250       1.08 [0.94; 1.24] 9.7%				<u>!:</u>					
FY_JH, SPHCC, TPH				<u>.</u>					
CM_FAHSYU				- <u>-</u>					
JX_WFPH  3.41 3.1987 MY_multicenter 43 hosp 1.09 0.2959 Hongying S_FAHWMU/SAHWMU -0.29 1.2435 Xin L_CHWC/hospitales en Hunan 2.69 3.1992 Ying S_hospitales en Beijing 3.73 3.1948 Chen W_YH 0.18 0.7170 Wang X_DFH -0.50 0.2155 Herold T_UH 0.50 1.2142 Minhua Y_ZHWU -0.61 0.5929 Zhou M_MC 1.74 0.3689 YuC_TH -0.17 0.1003 Zhang R_RH 1.50 1.0633 Bi Q_STPH 2.33 1.0220 Zheng F_NHCFH 0.80 0.4250 Fixed effect model Heterogeneity: l² = 70%, τ² = 0.4636, p < 0.01  ADJ = 1  Tabata S_SDFCH Tabata S_SDFCH Tixed effect model Heterogeneity: not applicable  3.41 3.1987 30.35 [0.06; 16029.59] 0.0% 0.3% 0.3% 0.75 0.07; 8.58] 0.3% 1.5% 0.40 0.39 0.39 0.460 0.08; 21851.41] 0.0% 0.33% 1.5% 0.60 0.040; 0.92; 10.4% 0.89 0.54 [0.17; 1.74] 1.4% 0.37% 1.5% 0.60 0.40; 0.92; 10.4% 0.58% 0.50% 0.54 [0.17; 1.74] 1.4% 0.77% 1.65 [0.15; 17.82] 0.3% 1.5% 0.60 0.40; 0.92; 10.4% 0.58% 0.50% 0.50 [0.07; 1.03] 0.85 [0.70; 1.03] 0.85 [0.70; 1.03] 0.85 [0.70; 1.03] 0.85 [0.70; 1.03] 0.85 [0.70; 1.03] 0.87 [0.75; 1.169] 0.75 [0.07; 1.08] 0.75 [0.07; 1.08] 0.75 [0.07; 1.08] 0.89 0.99% 0.31% 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.8				<u> </u>			-		
MY_multicenter 43 hosp Hongying S_FAHWMU/SAHWMU Hongying S_FAHWMU/SAHWMU Hongying S_FAHWMU/SAHWMU Hongying S_FAHWMU/SAHWMU Hongying S_hospitales en Hunan Hongying S_hospitales en Beijing Hongying S_hospitales en Beijing Hongy H	<del>_</del>								
Hongying S_FAHWMU/SAHWMU -0.29 1.2435   0.75 [0.07; 8.58] 0.3% 1.5%   Xin L_CHWC/hospitales en Hunan 2.69 3.1992   14.75 [0.03; 7797.57] 0.0% 0.3%   Ying S_hospitales en Beijing 3.73 3.1948   41.69 [0.08; 21851.41] 0.0% 0.3%   Chen W_YH				-					
Xin L_CHWC/hospitales en Hunan 2.69 3.1992 Ying S_hospitales en Beijing 3.73 3.1948 Chen W_YH 0.18 0.7170 Wang X_DFH -0.50 0.2155 Herold T_UH 0.50 1.2142 Minhua Y_ZHWU -0.61 0.5929 Zhou M_MC 1.74 0.3689 YuC_TH -0.17 0.1003 Zhang R_RH 1.50 1.0633 Bi Q_STPH 2.33 1.0220 Zheng F_NHCFH 0.80 0.4250 Fixed effect model Heterogeneity: \( \frac{1}{2} = 70\%, \( \tau^2 = 0.4636, \( \triangle p < 0.01 \)  ADJ = 1 Tabata S_SDFCH 1.09 0.4571 Fixed effect model Random effects model Heterogeneity: not applicable				<u>i</u> :					
Ying S_hospitales en Beijing   3.73 3.1948	Xin I CHWC/hospitales en Hunan	2 69	3 1992						
Chen W_YH	Ving S. hospitales en Reijing								
Wang X_DFH							-		
Herold T_UH				-		L			
Minhua $Y$ _ZHWU						F			
Zhou M_MC				<u> </u>					
YuC_TH       -0.17 0.1003       0.85 [0.70; 1.03] 47.8% 6.3%         Zhang R_RH       1.50 1.0633       4.46 [0.56; 35.86] 0.4% 1.9%         Bi Q_STPH       2.33 1.0220       10.33 [1.39; 76.54] 0.5% 2.0%         Zheng F_NHCFH       0.80 0.4250       2.23 [0.97; 5.12] 2.7% 4.6%         Fixed effect model       1.08 [0.94; 1.24] 97.7%          Random effects model       1.47 [1.04; 2.08]       95.6%         Heterogeneity: I² = 70%, τ² = 0.4636, ρ < 0.01									
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				a i			-		
Bi Q_STPH 2.33 1.0220				T:					
Zheng F_NHCFH 0.80 0.4250	Bi O STPH			€					
Fixed effect model				-			-		
Random effects model  Heterogeneity: $I^2 = 70\%$ , $\tau^2 = 0.4636$ , $p < 0.01$ ADJ = 1  Tabata S_SDFCH 1.09 0.4571		0.00	0.4200	<b>ķ</b> i					4.070
Heterogeneity: $I^2 = 70\%$ , $\tau^2 = 0.4636$ , $\rho < 0.01$ ADJ = 1  Tabata S_SDFCH 1.09 0.4571				6		L .			95.6%
ADJ = 1 Tabata S_SDFCH 1.09 0.4571		2 < 0.0	1	ľ.	17	[1.04,	2.00]		33.070
Tabata S_SDFCH       1.09 0.4571          ← 2.97 [1.21; 7.27] 2.3% 4.4%          Fixed effect model       2.97 [1.21; 7.27] 2.3%         Random effects model       2.97 [1.21; 7.27]       4.4%         Heterogeneity: not applicable       2.97 [1.21; 7.27]       4.4%	7070, 0 0.4000, p	0.0							
Fixed effect model  Random effects model  Heterogeneity: not applicable  2.97 [1.21; 7.27] 2.3% 4.4%  2.97 [1.21; 7.27] 4.4%		4.00	0.4574		0.07		7.0=	0.001	4.404
Random effects model  Description of applicable  2.97 [1.21; 7.27] 4.4%  Heterogeneity: not applicable		1.09	0.45/1				-		4.4%
Heterogeneity: not applicable								2.3%	4 474
					2.97	[1.21;	7.27]		4.4%
Fixed effect model 1.11 [0.97; 1.27] 100.0%	neterogeneity: not applicable								
Random effects model \$\\$ 1.52 [1.08; 2.13] 100.0%				ķ.			_	100.0%	

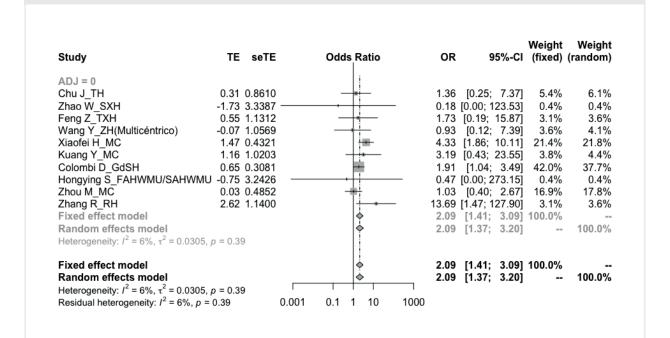
Candidate variable: Crazy paving pattern, outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)



## Candidate variable: Consolidation pattern, outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)

Study	TE	seTE	Odds <sub>,</sub> Ratio	OR		95%-CI		Weigh (random
ADJ = 0			l:					
Li K CMU	1.85	0.6693	\ <del>:</del> +-	6.38	[1.72;	23.69]	1.2%	3.9%
Liu K MC	5.49	3.1952	<del>                                      </del>	241.94	[0.46; 126		0.1%	0.5%
Jin-Jin Z MC		0.2969	<b>¦</b> ≟	2.29	[1.28;	4.101	6.3%	5.1%
Lu Jiatao WHH		3.2466		0.18	[0.00;	102.11]	0.1%	0.5%
Chen Y multicentrico- FCMCH		0.6981	<u> </u>	1.43	[0.36:	5.61]	1.1%	3.8%
Chu J_TH		0.9417		0.46	[0.07;	2.92]	0.6%	3.0%
Qi D multicentrico		0.6246		11.69	[3.44;	39.76]	1.4%	4.0%
Zhao W SXH		0.3809	1	1.09	[0.52:	2.301	3.8%	4.8%
Lei L CUTGH		0.9025	<u>                                     </u>	6.67	[1.14;	39.10]	0.7%	3.1%
Feng Z TXH		0.7993	<u> </u>	1.15	[0.24:		0.9%	3.4%
Ma K YCH		0.6774		9.44	[2.50;	35.62]	1.2%	3.8%
Kuang Y MC		0.4262		3.58	[1.55;		3.0%	4.7%
FY JH, SPHCC, TPH		0.4446		0.38	[0.16;	0.901	2.8%	4.6%
CM FAHSYU		0.5234		8.32	[2.98;	23.20]	2.0%	4.4%
Hongying S FAHWMU/SAHWMU		3.2973		- 1.37	[0.00;	876.74]	0.1%	0.5%
Xin L_CHWC/hospitales en Hunan			£	3.69	[1.30;	10.46]	2.0%	4.3%
Ying S_hospitales en Beijing		0.6513		1.61	[0.45]		1.3%	3.9%
Chen W YH		0.9271	Ti	3.43	[0.43,	21.10]	0.6%	3.0%
			Ti-				4.1%	4.9%
Wang X_DFH Herold T UH		0.3674	J.T.	2.19	[1.07;			3.7%
_		0.7182	7	0.64	[0.16;		1.1% 0.9%	3.7%
Minhua Y_ZHWU Zhou M MC		0.7643	T.	2.88	[0.64;	12.86]		
		0.3354		6.58	[3.41;	12.70]	4.9%	5.0%
YuC_TH		0.1024	91.	0.65	[0.54;			5.5%
Zhang R_RH		0.5347	}: <u></u>	7.16	[2.51;	20.43]	1.9%	4.3%
Zheng F_NHCFH	-0.39	0.4257	7	0.68	[0.30;		3.0%	4.7%
Fixed effect model			ľ.	1.20	[1.04;	1.40]		00.00/
Random effects model			<b> </b>	2.35	[1.44;	3.83]		92.9%
Heterogeneity: $I^2 = 84\%$ , $\tau^2 = 1.0480$ ,	p < 0.0	1						
ADJ = 1								
Tabata S_SDFCH		0.5874	<u> </u>	3.24	[1.02;	10.25]	1.6%	4.1%
Zhang L_TH	1.94	0.9488	<del>                                      </del>	6.96	[1.08;	44.70]	0.6%	3.0%
Fixed effect model			<b>*</b>	4.00	[1.50;	10.66]	2.2%	-
Random effects model			<b>*</b>	4.00	[1.50;	10.66]		7.1%
Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0$ , $p = 0.4$	19							
Fixed effect model			<b>k</b>	1.24	[1.07;	1.43]	100.0%	-
Random effects model			♦	2.46	[1.54;	3.93]		100.0%
Heterogeneity: $I^2 = 84\%$ , $\tau^2 = 1.0381$ ,	0.0 > a	1		7	- '			

#### Candidate variable: Enlarged lymph nodes (CT assessment), outcome: severe Covid-19 disease



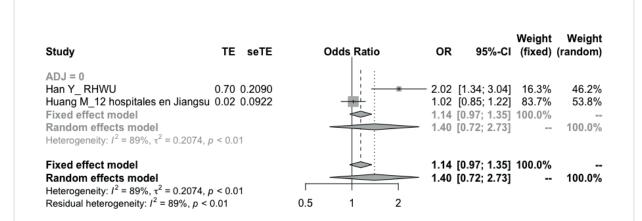
## Candidate variable: Pleural effusion (CT assessment), outcome: severe Covid-19 disease, subgroup analysis: (crude vs adjusted)

Study	TE	seTE	Odds	Ratio	OR		95%-CI	Weight (fixed)	Weigh (random
ADJ = 0				1					
Li K CMU	5.21	3.1970	_	11:	<b>184.00</b>	[ 0.35; 9	6856.041	0.1%	0.6%
Liu K MC	4.21	3.2268	_	10 .	<b>—</b> 67.67	[0.12; 3	7762.681	0.1%	0.6%
Chen Y multicentrico- FCMCH	1.17	1.2746	_	<del>ii</del>	3.23	[ 0.27;	39.28	0.7%	2.9%
Chu J TH	0.03	1.1729	_	1:	1.03	0.10;	10.22	0.9%	3.3%
Qi D multicentrico	3.79	3.3203	_	1:	— 44.29	[0.07; 2	9684.941	0.1%	0.5%
Shi W SPHCC	1.52	0.6941		1:	4.59	ſ 1.18:	17.91	2.5%	6.4%
Zhao W SXH	-0.91	0.6813	-	ł:	0.40	[ 0.11;	1.531	2.6%	6.5%
Lei L CUTGH	5.55	1.4798		I → —	258.00	[14.19;		0.5%	2.3%
Feng Z TXH	-1.57	3.2142		-	0.21	[0.00;	113.53	0.1%	0.6%
Wang Y ZH(Multicéntrico)	1.69	0.7261		1:	5.44	[ 1.31;	22.57	2.3%	6.1%
Xiaofei H MC	1.28	0.6826		17	3.61	0.95	13.76	2.5%	6.5%
Kuang Y MC	1.86	1.2413	-	1:-	6.44	0.57	73.341	0.8%	3.0%
FY JH, SPHCC, TPH	1.65	0.4264		Line.	5.22	[ 2.26:	12.041	6.5%	9.4%
CM FAHSYU	3.24	3.3414	_	1: -	- 25.56	[ 0.04; 1	7854.36	0.1%	0.5%
Colombi D GdSH	0.70	0.3317		<u>+</u>	2.01	[ 1.05;	3.85	10.8%	10.5%
Hongving S FAHWMU/SAHWMU	0.43	3.2971		4:	1.54	:00.01	988.72	0.1%	0.5%
Ying S hospitales en Beijing	3.22	1.1178		l; <del></del>	25.08	[ 2.81;	224.301	1.0%	3.6%
Chen W YH	5.17	3.2687	_	1:	<b>—</b> 176.43	[ 0.29; 10	6871.24	0.1%	0.6%
Minhua Y ZHWU	1.41	0.6119		++-	4.10	[ 1.23;	13.59	3.2%	7.2%
Zhou M MC	0.55	0.3595		+	1.74	[ 0.86;	3.52	9.2%	10.2%
YuC TH	0.34	0.1481		-	1.41	[ 1.05:	1.88]	54.1%	12.4%
Zhang R RH	5.94	3.1892		F .	<b>381.43</b>	[0.74: 19	7709.581	0.1%	0.6%
Fixed effect model				φ:	1.96	[ 1.58;	2.43]	98.4%	-
Random effects model				<b>*</b>	3.35	[ 2.01;	5.56]		94.9%
Heterogeneity: $I^2 = 57\%$ , $\tau^2 = 0.5027$ ,	p < 0.0	1		•					
ADJ = 1									
Mo P_ZH	1.17	0.8495		<del>   </del>	3.22	[ 0.61;	17.02]	1.6%	5.1%
Fixed effect model			•		3.22	[ 0.61;	17.02]	1.6%	-
Random effects model					3.22	[ 0.61;	17.02]		5.1%
Heterogeneity: not applicable									
Fixed effect model				<b>0</b> :	1.98	[ 1.60;		100.0%	
Random effects model				<b>♦</b>	3.31	[ 2.04;	5.38]		100.0%
Heterogeneity: $I^2 = 55\%$ , $\tau^2 = 0.4752$ ,	p < 0.0	1	1 1	1 1					

## Candidate variable: Bilateral compromise (CT assesment), outcome: severe Covid-19 disease

Study	TE	seTE	Odds	Ratio	OR		95%-CI	Weight (fixed)	
ADJ = 0				:					
Huang C JYH	1.47	3.3503		<u> </u>	4.33	[0.01:	3080.50]	0.1%	0.
Li K_CMU		3.2116		<u> </u>	18.06		9780.32]		0.
Liu K MC		3.1827	_	Li			0925.14		0.
Liu W MC		0.6735	_	<u>. :</u>	1.34	[0.36			3.
Jin-Jin Z MC		0.6193			1.95	[0.58			3.
Wei-jie G NHC		0.3745		<u>:</u>	4.99	[2.40;			4.
Lu Jiatao WHH		0.2298			0.53	[0.34]			4.
Chen Y multicentrico- FCMCH		3.2623		l:	14.25		8524.88]		0.
Duan Q WPH		0.5516	-	L	0.99	[0.34			4.
Shi W_ SPHCC		0.7516		Li.	5.33	[1.22;			3.
Shijiao Y HHMU		0.5418		1	2.79	[0.96]			4.
Zhang G ZHWU		3.1927		I			, 6.07] [0586.55]		0.
Zhao W SXH		3.1755	_	l:			0775.86]		0.
Chen G TH		1.2554			4.29	[0.43, 11			2.
Feng Z TXH		0.8053		<u> </u>	0.95	[0.37,			3.
Hu L TH		0.4572		] :	0.33	[0.20			4.
Li J CHW		1.0537	-	<u>  :                                    </u>	12.16	[1.54;	, 0.76] 95.91]		2.
Liu J BDH		0.8294	_		2.50	[0.49;	12.70]		3.
_		3.1806			- 119.50				0.
Ma K_YCH Tabata S SDFCH		0.4587			3.27	[1.33	30916.28] : 8.03]		4.
Yang L YCPH		1.0391		II.	5.25				2.
			_	l: .		[0.69;			
Zhao W_BYH JX WFPH		1.0422 3.1964		l	29.47	[3.82;	227.24]		2. 0.
Colombi D GdSH		0.5858	_		45.07 0.51	[0.09, 2	23695.01] : 1.60]		3.
Hongying S_FAHWMU/SAHWMU		3.2258		[:	6.95		3868.08]		0.
					9.85				2.
Xin L_CHWC/hospitales en Hunan Ying S hospitales en Beijing		3.2059		l:		[1.25;	77.58] [1812.33		0.
Chen W YH		3.1894		li . '			[2420.54]		0.
Herold T UH		1.0713		l : '	0.48	[0.16, 4			2.
Dreher M UHA		1.0713		E	26.83	[3.14;			2.
_									
Zhou M_MC YuC TH		0.4820 0.1306		I i	3.09 0.50	[1.20			4. 4.
		3.1882		i	28.68		, 0.64] [4838.31]		0.
Wang L_SPH Zhang R_RH		0.7620		l	17.50	[3.93;			3.
Bi Q STPH		0.7020			12.23				4.
Wu J TFAH		0.5240			0.70	[4.38;	34.16] : 1.20]		4.
				I <u></u>					
Zheng F_NHCFH		0.5648 0.4556			7.02 2.77	[2.32;	21.23] [ 6.76		3. 4.
LiX_TH Fixed effect model	1.02	0.4556		I.	1.06	[1.13		100.0%	4.
Random effects model				i.	2.99	[1.83		100.0%	100.
Heterogeneity: $I^2 = 81\%$ , $\tau^2 = 1.2735$ ,	p < 0.0	1		l :	2.99	[1.03]	4.07]		100.
Fixed effect model					1.06	[0.90;	1.241	100.0%	
Random effects model				<b>*</b>	2.99	[1.83			100.
Heterogeneity: $I^2 = 81\%$ , $\tau^2 = 1.2735$ ,	0 0	1							

Candidate variable: High APACHE score (more than 8), outcome: severe Covid-19 disease



Candidate variable: High SOFA score (more than 2), outcome: severe Covid-19 disease

