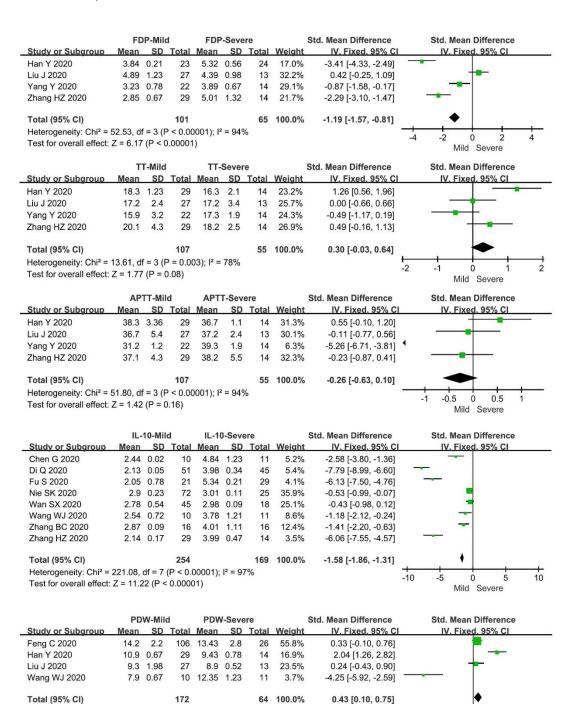
Supplementary Figure 1: Meta-analysis of the risk factors between mild patients and severe patients.



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Mild Severe

Heterogeneity: Chi² = 47.26, df = 3 (P < 0.00001); I^2 = 94%

Test for overall effect: Z = 2.59 (P = 0.010)

	CD8+	T cell-l	Mild	CD8+	T cell-Se	evere		Std. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Tota	al Weigh	nt IV, Fixed, 95% CI	IV. Fixed, 95% CI
Chen G 2020	456	110	10	289	34	1	1 2.69	% 2.01 [0.92, 3.10]	-
Di Q 2020	329	45	51	298	67	4	5 18.39	% 0.55 [0.14, 0.95]	•
Fu S 2020	589	109	21	393	134	2	9 7.49	% 1.55 [0.91, 2.20]	*
Nie SK 2020	561	98	72	498	123	2	5 14.39	% 0.60 [0.13, 1.06]	•
Wang WJ 2020	673	209	10	489	198	1	1 3.79	% 0.87 [-0.04, 1.77]	~
Yang G 2020	474	49	125	390	98	12	6 43.59	% 1.08 [0.81, 1.34]	-
Zhang BC 2020	594	34	16	213	32	1	6 0.39		-
Zhang HZ 2020	430	13	29	412		2		사용	*
•								•	
Total (95% CI)			334			29	2 100.0	% 1.00 [0.83, 1.18]	
Heterogeneity: Chi ² =					88%				-10 -5 0 5 10
Test for overall effect:	Z = 11.24	1 (P < 0	.00001))					Mild Severe
		RP-Milo			-Severe			itd. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean		Total		SD To	otal V		IV. Fixed. 95% CI	IV. Fixed. 95% CI
Chen G 2020	6.78	0.12	10	12.22	0.34	11	0.1% -	-20.08 [-26.87, -13.29]	-
Chen XP 2020	4.98	1.23	14	7.89	0.27	11	4.2%	-2.99 [-4.19, -1.79]	-
Di Q 2020	8.67	0.56	51	8.34	0.23	45	34.8%	0.75 [0.33, 1.16]	
eng C 2020		0.39	106		2.09		27.7%	-1.47 [-1.93, -1.00]	•
Fu S 2020		0.34	21	9.83		29	1.1%	-11.21 [-13.56, -8.85]	-
Giuseppe G 2020		1.27	16		0.43	5	5.7%	-0.65 [-1.68, 0.38]	4
									J
Vang WJ 2020	7.9	1.2	10	8.33	0.9	11	8.0%	-0.39 [-1.26, 0.47]	_]
Vang Y 2020		0.34	26	8.98			15.2%	-1.10 [-1.73, -0.47]	_ 1
hang HZ 2020	5.98	0.04	29	8.45	0.78	14	3.2%	-5.50 [-6.88, -4.13]	<u> </u>
otal (95% CI)			283			172 1	00.0%	-0.83 [-1.07, -0.58]	
leterogeneity: Chi ² =	226.59	df = 8 (0001)					
est for overall effect:					0070				-20 -10 0 10 20
Cot for overall effect.	2 0.00	(1 - 0		/.					Mild Severe
	DD-d	imer-M	lild	DD-di	mer-Sev	ere		Std. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV. Fixed, 95% CI	IV. Fixed, 95% CI
Chen G 2020	0.54	0.02	10	0.89	0.24	11	5.3%	-1.92 [-3.00, -0.85]	-
Di Q 2020	0.78	0.12	51	1.67	0.02	45	2.7%		
Fu S 2020	0.94	0.25	21	1.54	0.32	29	12.6%		-
	0.69	0.23	125	0.89	0.01	126	79.4%		
Yang G 2020	0.03	0.2	123	0.03	0.01	120	13.470	-1.41 [-1.69, -1.13]	_
Total (95% CI)			207			211	100.0%	-1.75 [-1.99, -1.50]	•
Heterogeneity: Chi ² =	122.55, c	df = 3 (F	P < 0.00	0001); [2	= 98%				10 5 10
Test for overall effect:	Z = 13.8	8 (P < 0	0.00001	1)					-10 -5 0 5 10 Mild Severe
	NK	cell-Mi	ild	NK	cell-Seve	ere		Std. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean		Total				Weight		IV. Fixed, 95% CI
Chen G 2020	0.0356	0.001	10	0.0129	0.001	11	15.9%	21.79 [14.43, 29.15]	
Wan SX 2020	0.0412				5 0.001	18			-
Zhang BC 2020	0.0412				3 0.001	16			
						. 3070			
Total (95% CI)			71			45	100.0%	21.21 [18.28, 24.15]	, , •
Heterogeneity: Chi ² =					i				-20 -10 0 10 20
Test for overall effect:	Z = 14.15	5 (P < 0	0.00001)					Mild Severe
	WE	3C-Mile	d	WBO	-Severe	9		Std. Mean Difference	Std. Mean Difference
Study or Subaroup	Mean			Mean			Weiaht	IV. Fixed, 95% CI	IV. Fixed, 95% CI
Chen XH 2020		1.24	10.72	11.78	1000-1000	21	(835) (1000)	-1.60 [-2.18, -1.02]	-
Feng C 2020		0.28		8.89			18.2%	-2.79 [-3.34, -2.24]	-
			106			26			
u S 2020	11.03			10.25		29	17.2%	0.26 [-0.31, 0.82]	
lie SK 2020	8.46	0.89	72	10.45	0.77	25	17.3%	-2.29 [-2.85, -1.73]	-
Vang WJ 2020	8.08	1.24	10	14.74	2.26	11	2.6%	-3.46 [-4.90, -2.02]	
/ang Y 2020	10.89			13.58		14	4.9%	-3.31 [-4.36, -2.26]	
Zhang BC 2020		2.21		10.47		16	11.2%	-0.29 [-0.99, 0.41]	
hang HZ 2020	11.08	0.73	29	9.84	2.34	14	12.4%	0.84 [0.18, 1.50]	
otal (95% CI)			324			156	100.0%	-1.30 [-1.54, -1.07]	•
Heterogeneity: Chi ² =	1/1 2/	df = 7 /		00011			. 20.0 /0		
est for overall effect:					- 95%				-4 -2 0 2 4
est for overall effect.	2 - 10.8	11 (1-2	0.0000	, 1)					Mild Severe

Lymphocyte-Mild group		roup	Lymphocy	te-Severe	group	S	td. Mean Difference	Std. Mean Difference	
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV. Fixed, 95% CI	IV. Fixed, 95% CI
Chen G 2020	2.8	0.02	10	1.98	0.21	11	0.9%	5.15 [3.22, 7.07]	
Di Q 2020	2.98	0.56	51	2.21	0.15	45	15.2%	1.81 [1.33, 2.29]	*
Feng C 2020	3.21	0.22	106	1.76	0.38	26	5.4%	5.58 [4.77, 6.38]	-
Fu S 2020	2.38	0.61	21	2.21	0.89	29	11.0%	0.21 [-0.35, 0.78]	+
Nie SK 2020	3.31	0.17	72	1.99	0.02	25	1.9%	8.89 [7.53, 10.25]	-
Wang WJ 2020	2.92	0.45	10	1.24	0.56	11	1.9%	3.16 [1.79, 4.52]	
Yang G 2020	3.19	0.03	125	3.02	0.22	126	49.8%	1.08 [0.81, 1.34]	
Zhang BC 2020	2.87	0.47	16	2.12	0.44	16	5.3%	1.61 [0.80, 2.42]	-
Zhang HZ 2020	3.01	0.81	29	3.13	0.45	14	8.6%	-0.16 [-0.80, 0.47]	†
Total (95% CI)			440			303	100.0%	1.48 [1.30, 1.67]	
Heterogeneity: Chi ² = 2	289.26, df = 8	3 (P < 0.00	001); I ² =	97%					
Test for overall effect: 2									-10 -5 0 5 10 Mild Severe

	CD3+Tc	ell-Mild g	roup	CD3+ T ce	II-Severe	group	S	td. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV. Fixed, 95% CI	IV. Fixed, 95% CI
Chen G 2020	1,231	200	10	654	123	11	1.8%	3.38 [1.96, 4.80]	-
Di Q 2020	1,098	407	51	738	304	45	19.6%	0.99 [0.56, 1.41]	•
Fu S 2020	1,187	238	21	578	102	29	4.3%	3.48 [2.57, 4.39]	T
Nie SK 2020	1,315	343	72	648	383	25	12.7%	1.87 [1.34, 2.40]	
Wang WJ 2020	978	45	10	367	58	11	0.2%	11.23 [7.36, 15.09]	
Yang G 2020	1,098	487	125	786	342	126	54.0%	0.74 [0.48, 1.00]	
Zhang BC 2020	1,435	246	16	1,032	113	16	4.6%	2.05 [1.18, 2.93]	*
Zhang HZ 2020	886	121	29	456	32	14	2.8%	4.15 [3.03, 5.27]	-
Total (95% CI)			334			277	100.0%	1.28 [1.09, 1.47]	1
Heterogeneity: Chi ² = 1	108.54, df = 7	7 (P < 0.0	0001); I ²	= 94%				and the second	1 1 1
Test for overall effect:									-20 -10 0 10 Mild Severe

	Neutre	ophils-	Mild	Neutro	phils-Se	vere		Std. Mean Difference		Std. Mean Dif	ference	
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% C		IV, Fixed, 9	5% CI	
Chen G 2020	5.83	0.32	10	8.32	0.45	11	0.8%	-6.07 [-8.28, -3.86]	-	-		
Di Q 2020	4.89	0.89	51	7.58	0.12	45	7.7%	-4.08 [-4.79, -3.37]		-		
Feng C 2020	6.72	0.34	106	9.74	1.34	26	7.9%	-4.53 [-5.23, -3.83]		-		
Fu S 2020	5.52	1.2	21	10.21	0.98	29	3.6%	-4.29 [-5.33, -3.25]		-		
Nie SK 2020	6.23	1.24	72	9.78	0.78	25	9.7%	-3.09 [-3.72, -2.45]		-		
Wang WJ 2020	5.56	0.12	10	8.98	1.98	11	3.0%	-2.28 [-3.43, -1.13]		-		
Yang G 2020	7.89	0.92	125	8.9	0.67	126	53.3%	-1.25 [-1.52, -0.98]				
Zhang BC 2020	7.23	1.21	16	11.21	2.01	16	4.6%	-2.34 [-3.26, -1.41]				
Zhang HZ 2020	6.74	0.78	29	7.29	1.98	14	9.4%	-0.42 [-1.06, 0.23]		7		
Total (95% CI)			440			303	100.0%	-2.06 [-2.26, -1.86]		•		
Heterogeneity: Chi ² =	178.38, d	f = 8 (P	< 0.000	001); l ² = !	96%				-10	-5 0	5	10
Test for overall effect:	Z = 20.40	(P < 0)	.00001)						10		evere	10

PL	T-Mile	d	PLT	-Seve	re	S	td. Mean Difference	Std. Mean Difference
Mean	SD	Total	Mean	SD	Total	Weight	IV. Fixed, 95% CI	IV. Fixed, 95% CI
321	121	10	219	89	11	12.3%	0.93 [0.02, 1.84]	•
289	78	51	256	119	45	62.7%	0.33 [-0.07, 0.73]	-
259	101	29	242	66	14	25.0%	0.18 [-0.46, 0.82]	
		90			70	100.0%	0.37 [0.05, 0.69]	•
1.81, df =	= 2 (P	= 0.40); I ² = 0 ⁰	%			-	1 1 1 1
Z = 2.25	(P =	0.02)						-1 -0.5 0 0.5 1 Mild Severe
	321 289 259	Mean SD 321 121 289 78 259 101 1.81, df = 2 (P	321 121 10 289 78 51 259 101 29 90	Mean SD Total Mean 321 121 10 219 289 78 51 256 259 101 29 242 90 1.81, df = 2 (P = 0.40); I² = 0°	Mean SD Total Mean SD 321 121 10 219 89 289 78 51 256 119 259 101 29 242 66 90 1.81, df = 2 (P = 0.40); l² = 0%	Mean SD Total Mean SD Total 321 121 10 219 89 11 289 78 51 256 119 45 259 101 29 242 66 14 90 70 1.81, df = 2 (P = 0.40); l² = 0%	Mean SD Total Mean SD Total Weight 321 121 10 219 89 11 12.3% 289 78 51 256 119 45 62.7% 259 101 29 242 66 14 25.0% 90 70 100.0% 1.81, df = 2 (P = 0.40); l² = 0%	Mean SD Total Mean SD Total Weight IV. Fixed. 95% CI 321 121 10 219 89 11 12.3% 0.93 [0.02, 1.84] 289 78 51 256 119 45 62.7% 0.33 [-0.07, 0.73] 259 101 29 242 66 14 25.0% 0.18 [-0.46, 0.82] 90 70 100.0% 0.37 [0.05, 0.69] 1.81, df = 2 (P = 0.40); l² = 0%

	CD4+	T cell-l	Mild	CD4+ T	cell-Se	vere	5	Std. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	IV. Fixed, 95% CI
Chen G 2020	478	120	10	266	90	11	3.6%	1.93 [0.86, 3.01]	
Di Q 2020	627	98	51	276	102	45	10.0%	3.49 [2.84, 4.13]	-
Fu S 2020	477	148	21	209	89	29	7.9%	2.25 [1.52, 2.98]	-
Nie SK 2020	689	178	72	372	81	25	14.4%	1.98 [1.44, 2.51]	-
Wang WJ 2020	742	83	10	289	121	11	1.6%	4.15 [2.52, 5.79]	
Yang G 2020	672	206	125	358	89	126	45.3%	1.98 [1.67, 2.28]	
Zhang BC 2020	663	289	16	478	201	16	8.0%	0.72 [0.01, 1.44]	-
Zhang HZ 2020	489	78	29	298	86	29	9.2%	2.30 [1.62, 2.97]	-
Total (95% CI)			334			292	100.0%	2.11 [1.91, 2.31]	•
Heterogeneity: Chi ² = 3	39.37, df	= 7 (P <	< 0.0000	1); 2 = 82	2%			<u> </u>	-4 -2 0 2 4
Test for overall effect:	Z = 20.30	(P < 0	.00001)						Mild Severe

	IL.	-6-Mile	i	IL-6	S-Sever	е		Std. Mean Difference	Std. Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV. Fixed, 95% CI	IV. Fixed, 95% CI		
Chen G 2020	6.71	0.02	10	145.3	56.4	11	5.7%	-3.25 [-4.64, -1.86]	-		
Chen XH 2020	4.32	0.13	48	342.4	21.2	21	0.4%	-28.86 [-33.84, -23.87]	a 		
Chen XP 2020	2.44	0.35	14	167.9	9.24	11	0.2%	-26.24 [-34.20, -18.27]			
Di Q 2020	5.67	0.05	51	409.4	121.2	45	16.9%	-4.83 [-5.63, -4.03]	•		
Feng C 2020	4.56	0.73	106	333.2	76.4	26	6.8%	-9.75 [-11.02, -8.48]	-		
Fu S 2020	2.44	0.78	21	95.9	23.5	29	7.7%	-5.12 [-6.31, -3.94]	-		
Giuseppe G 2020	2.44	0.42	16	89	32.2	5	2.4%	-5.62 [-7.76, -3.49]	-		
Nie SK 2020	4.56	0.23	72	142.9	22.8	25	3.4%	-11.97 [-13.75, -10.19]	-		
Shi YL 2020	3.9	0.61	19	323.6	102.3	25	9.5%	-4.06 [-5.13, -2.99]	•		
Wan SX 2020	7.45	0.54	45	189.8	21.2	18	1.3%	-16.08 [-19.03, -13.13]	-		
Wang WJ 2020	3.56	0.72	10	225.7	11.1	11	0.1%	-26.43 [-35.34, -17.52]			
Wang Y 2020	7.54	0.36	22	198.4	29.09	14	1.6%	-10.37 [-13.00, -7.75]	-		
Yang G 2020	6.37	0.46	125	287.5	67.3	126	33.1%	-5.88 [-6.45, -5.30]	•		
Zhang BC 2020	2.87	0.09	16	76.4	18.9	16	4.5%	-5.36 [-6.93, -3.80]	-		
Zhang HZ 2020	2.14	0.17	29	321.2	109.2	14	6.5%	-5.09 [-6.39, -3.80]	*		
Total (95% CI)			604			397	100.0%	-6.08 [-6.41, -5.75]	1		
Heterogeneity: Chi ² =						%		Section of the sectio	-20 -10 0 10 20		
Test for overall effect:	Z = 36.0	06 (P <	0.0000	01)					Mild Severe		