Appendix 5. Association between COVID-19 and pregnancy outcomes for studies with small

sample size (n<100 in each group) using fix-effect models

5.1 COVID-19 vs no COVID-19

5.1.1 Association between COVID-19 and preeclampsia

	COVID	-19	No CO\	/ID-19		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% Cl
Adhikari 2020	26	245	359	3035	5.5%	0.88 [0.58, 1.35]	
Ahlberg 2020	12	155	26	604	1.1%	1.87 [0.92, 3.79]	———
Brandt 2020	6	61	10	122	0.7%	1.22 [0.42, 3.53]	
Erol 2020	2	60	0	36	0.1%	3.12 [0.15, 66.83]	
Gulersen 2020	5	50	7	50	0.7%	0.68 [0.20, 2.32]	
Jering 2021	564	6380	27078	400066	88.2%	1.34 [1.22, 1.46]	
Martínez-Perez 2020	11	246	44	763	2.3%	0.76 [0.39, 1.51]	
Patberg 2020	5	77	0	56	0.1%	8.57 [0.46, 158.29]	
Pirjani 2020	6	66	4	133	0.3%	3.23 [0.88, 11.85]	
Wang 2020	10	53	59	760	0.7%	2.76 [1.32, 5.78]	
Yang 2020	1	65	83	11013	0.1%	2.06 [0.28, 15.01]	
Yazihan 2020	3	95	0	92	0.1%	7.00 [0.36, 137.43]	
Zhang 2020	1	16	4	45	0.2%	0.68 [0.07, 6.61]	
Total (95% CI)		7569		416775	100.0%	1.32 [1.22, 1.44]	•
Total events	652		27674				
Heterogeneity: Chi² = 1 Test for overall effect: Z	•			²= 31%			0.01 0.1 1 10 100

5.1.2 Association between COVID-19 and preterm birth

	COVID	-19	No CO	/ID-19		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% Cl
Ahlberg 2020	14	155	45	604	2.0%	1.23 [0.66, 2.31]	
Cunarro-Lopez 2020	13	68	2	43	0.2%	4.85 [1.04, 22.66]	
Diaz-Corvillon 2020	4	37	27	549	0.4%	2.34 [0.77, 7.09]	
Edlow 2020	10	64	5	63	0.5%	2.15 [0.69, 6.69]	
Flaherman 2020	21	179	9	84	1.3%	1.11 [0.48, 2.53]	
Hcini 2020	11	137	36	370	2.2%	0.81 [0.40, 1.64]	
Jering 2021	459	6380	23234	400066	82.6%	1.26 [1.14, 1.38]	
Li 2020	3	16	6	121	0.1%	4.42 [0.99, 19.82]	
Martínez-Perez 2020	34	246	51	763	2.6%	2.24 [1.41, 3.55]	
Nayak 2020	38	141	90	836	2.3%	3.06 [1.99, 4.71]	
Pineles 2020	5	77	90	858	1.7%	0.59 [0.23, 1.51]	
Prabhu 2020	11	70	57	605	1.2%	1.79 [0.89, 3.61]	+
Smithgall 2020	10	51	4	25	0.5%	1.28 [0.36, 4.57]	
Wang 2020	9	53	66	760	0.9%	2.15 [1.01, 4.60]	
Woodworth 2020	8	16	99	594	0.3%	5.00 [1.83, 13.64]	
Yang 2020	9	65	579	11013	0.7%	2.90 [1.43, 5.88]	
Yazihan 2020	3	95	0	92	0.1%	7.00 [0.36, 137.43]	
Zhang 2020	3	16	6	45	0.3%	1.50 [0.33, 6.87]	
Total (95% CI)		7866		417491	100.0%	1.37 [1.25, 1.49]	•
Total events	665		24406				
Heterogeneity: Chi ² = 4	6.58, df =	17 (P =	= 0.0001)	; I ² = 64%			0.05 0.2 1 5 20
Test for overall effect: Z	•						0.05 0.2 1 5 20

5.1.3 Association between COVID-19 and stillbirth

	COVID	-19	No CO	VID-19		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% Cl
Adhikari 2020	0	245	18	3035	5.7%	0.33 [0.02, 5.53]	
Ahlberg 2020	1	155	4	604	3.3%	0.97 [0.11, 8.78]	
Hcini 2020	7	137	4	370	4.2%	4.93 [1.42, 17.11]	
Jering 2021	34	6380	1289	400066	82.7%	1.66 [1.18, 2.33]	-
Knight 2020	3	427	2	694	3.1%	2.45 [0.41, 14.71]	
Martínez-Perez 2020	3	246	1	763	1.0%	9.41 [0.97, 90.86]	
Total (95% CI)		7590		405532	100.0%	1.80 [1.33, 2.44]	•
Total events	48		1318				
Heterogeneity: Chi ² = 0	6.58, df = :	5 (P = 0).25); I ² =	24%			
Test for overall effect: J							0.01 0.1 1 10 100

5.1.4 Association between COVID-19 and intensive care unit (ICU) admission

	COVID	-19	No CO	/ID-19		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% Cl
Cunarro-Lopez 2020	4	68	0	43	0.9%	6.07 [0.32, 115.61]	
Hcini 2020	5	137	3	370	2.3%	4.63 [1.09, 19.66]	
Jering 2021	212	6380	1747	400066	79.7%	7.84 [6.78, 9.06]	
Martínez-Perez 2020	5	246	2	763	1.4%	7.89 [1.52, 40.95]	————
Rios-Silva	14	448	20	1216	15.7%	1.93 [0.97, 3.85]	
Total (95% CI)		7279		402458	100.0%	6.82 [5.87, 7.93]	•
Total events	240		1772				
Heterogeneity: Chi ² = 1 Test for overall effect: Z				= 76%			0.01 0.1 1 10 100

5.1.5 Association between COVID-19 and birth weight (grams)

	co	VID-19		No	COVID-19			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	IV, Fixed, 95% CI
Brandt 2020	3,122.5	691.9	61	3,246	605	122	4.8%	-123.50 [-327.64, 80.64]	
Cunarro-Lopez 2020	2,755.3	1,128.2	68	2,953.1	1,346.4	43	0.9%	-197.80 [-681.38, 285.78]	•
Diaz-Corvillon 2020	3,344	506	37	3,231	532	549	7.0%	113.00 [-56.01, 282.01]	
Edlow 2020	3,072.3	669.8	64	3,429.2	597.3	63	4.1%	-356.90 [-577.54, -136.26]	
Flaherman 2020	3,211	738	179	3,198	831	84	4.6%	13.00 [-195.01, 221.01]	
Griffin 2020	3,317	501	27	3,371	458	35	3.4%	-54.00 [-296.35, 188.35]	
Gulersen 2020	3,213	491.9	50	3,353	643.7	50	4.0%	-140.00 [-364.55, 84.55]	
Hcini 2020	3,090	335	127	3,112	333	364	43.7%	-22.00 [-89.56, 45.56]	
Li 2020	3,066.7	560.2	17	3,307.9	419.3	121	2.6%	-241.20 [-517.78, 35.38]	
Liu 2020	3,001	321	15	3,048	378	16	3.3%	-47.00 [-293.36, 199.36]	
Patberg 2020	3,280	402	77	3,280	402	56	10.4%	0.00 [-138.38, 138.38]	
Prabhu 2020	3,079.1	661.5	73	3,197.6	558	614	8.0%	-118.50 [-276.53, 39.53]	
Zhang 2020	3,139	437	16	3,260	412	45	3.3%	-121.00 [-366.64, 124.64]	
Total (95% CI)			811			2162	100.0%	-52.02 [-96.69, -7.36]	◆
Heterogeneity: Chi² = 1 Test for overall effect: 2			.15); I² :	= 29%					-500 -250 0 250 500

	COVID	-19	No COV	D-19		Odds Ratio	Odds Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% Cl	
Brandt 2020	53	61	14	122	1.1%	51.11 [20.19, 129.37]	—	
Cunarro-Lopez 2020	14	68	3	43	2.6%	3.46 [0.93, 12.84]		
Flaherman 2020	31	179	13	84	12.9%	1.14 [0.56, 2.32]	_	
Hcini 2020	3	127	12	364	5.4%	0.71 [0.20, 2.56]		
Knight 2020	64	244	37	703	12.4%	6.40 [4.13, 9.91]		
Martínez-Perez 2020	23	246	18	763	7.0%	4.27 [2.26, 8.05]	│ _	
Nayak 2020	24	131	202	785	41.8%	0.65 [0.40, 1.04]		
Patberg 2020	6	77	6	56	5.7%	0.70 [0.21, 2.31]		
Pineles 2020	74	77	107	858	0.6%	173.13 [53.63, 558.89]		+
Prabhu 2020	13	73	68	614	10.5%	1.74 [0.91, 3.33]	—	
Total (95% CI)		1283		4392	100.0%	3.47 [2.89, 4.16]	•	
Total events	305		480					
Heterogeneity: Chi ² = 1	58.42, df:	= 9 (P <	< 0.00001)); l² = 94	%			50
Test for overall effect: Z							0.02 0.1 1 10	50

5.1.6 Association between COVID-19 and neonatal intensive care unit (NICU) admission

5.2 Symptomatic COVID-19 vs asymptomatic COVID-19

5.2.1 Association between symptomatic COVID-19 and cesarean delivery

	Symptomatic CC	VID-19	Asymptomatic CO	OVID-19		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% Cl
Adhikari 2020	40	147	25	98	9.6%	1.09 [0.61, 1.95]	
Delahoy 2020	59	141	92	317	14.4%	1.76 [1.16, 2.66]	_
Di Mascio 2020	100	177	36	74	9.7%	1.37 [0.80, 2.36]	
Jenabi 2020	27	45	12	45	2.1%	4.13 [1.69, 10.05]	
Khoury 2020	66	139	34	102	9.0%	1.81 [1.06, 3.07]	
London 2020	16	33	6	22	1.6%	2.51 [0.79, 8.01]	
Smithgall 2020	13	25	12	26	2.5%	1.26 [0.42, 3.80]	
Verma 2020	23	89	13	60	5.0%	1.26 [0.58, 2.74]	
Woodworth 2020	742	2316	90	376	46.1%	1.50 [1.16, 1.93]	
Total (95% CI)		3112		1120	100.0%	1.57 [1.33, 1.85]	•
Total events Heterogeneity: Chi² = Test for overall effect:			320 %				

5.2.2 Association between symptomatic COVID-19 and preterm birth

	Symptomatic CO	VID-19	Asymptomatic CO	VID-19		Odds Ratio		Odds Rati	0	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl		M-H, Fixed, 98	5% CI	
Adhikari 2020	20	147	7	98	6.4%	2.05 [0.83, 5.04]		++	_	
Delahoy 2020	31	134	25	311	10.2%	3.44 [1.94, 6.11]		-	-	
Di Mascio 2020	60	189	10	77	8.6%	3.12 [1.50, 6.48]				
Jenabi 2020	12	45	6	45	3.9%	2.36 [0.80, 6.99]		+-•		
Khoury 2020	25	139	11	102	9.2%	1.81 [0.85, 3.88]		+-	_	
London 2020	9	33	0	22	0.4%	17.45 [0.96, 317.38]				
Smithgall 2020	6	25	4	26	2.6%	1.74 [0.43, 7.09]				
Verma 2020	14	89	2	60	1.8%	5.41 [1.18, 24.77]				
Woodworth 2020	297	2315	43	376	56.9%	1.14 [0.81, 1.60]		+		
Total (95% CI)		3116		1117	100.0%	1.87 [1.48, 2.36]		•		
Total events	474		108					-		
Heterogeneity: Chi ² =	18.75, df = 8 (P = 0).02); I ² = 6	57%				0.005	0.1 1	10	200
Test for overall effect:	Z = 5.21 (P < 0.000	001)					0.000	0.1 1	.0	200

5.3 Severe COVID-19 vs mild COVID-19

5.3.1. Association of severe COVID-19 with preeclampsia

	Severe COV	ID-19	Mild COV	ID-19		Odds Ratio		Odds	Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl		M-H, Fixe	d, 95% Cl	
Adhikari 2020	2	12	24	233	57.1%	1.74 [0.36, 8.42]				
Barbero 2020	3	42	0	49	12.4%	8.77 [0.44, 174.89]				
Brandt 2020	2	7	4	54	19.1%	5.00 [0.73, 34.46]		-		
Martínez-Perez 2020	1	4	3	78	6.4%	8.33 [0.66, 105.71]		-		
Mendoza 2020	1	8	0	34	5.0%	13.80 [0.51, 372.88]				
Total (95% CI)		73		448	100.0%	4.26 [1.68, 10.75]			•	
Total events	9		31							
Heterogeneity: Chi ² = 3	2.24, df = 4 (P :	= 0.69);	I²=0%							
Test for overall effect: 2	Z = 3.06 (P = 0	.002)					0.005	0.1	1 10	200

5.3.2. Association of severe COVID-19 with gestational diabetes

	Severe COV	/ID-19	Mild COV	'ID-19		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% Cl
Adhikari 2020	2	12	12	233	4.0%	3.68 [0.72, 18.72]	
Barbero 2020	2	42	1	49	3.6%	2.40 [0.21, 27.45]	
Kayem 2020	17	128	54	489	79.3%	1.23 [0.69, 2.21]	
Martínez-Perez 2020	0	4	1	78	0.7%	5.74 [0.20, 161.79]	
Panagiotakopoulos 2020	11	43	5	62	12.4%	3.92 [1.25, 12.28]	
Total (95% CI)		229		911	100.0%	1.74 [1.09, 2.77]	◆
Total events	32		73				
Heterogeneity: $Chi^2 = 4.65$, Test for overall effect: $Z = 2$.	•	3); I² = 1	4%				0.01 0.1 1 10 100

5.3.3. Association of severe COVID-19 with abnormal liver function

	Severe COV	/ID-19	Mild COV	ID-19		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% Cl
Barbero 2020	31	42	7	49	20.2%	16.91 [5.89, 48.57]	_
Martínez-Perez 2020	0	4	5	78	7.0%	1.48 [0.07, 31.27]	
Savasi 2020	5	14	11	63	30.7%	2.63 [0.74, 9.37]	+
Vivanti 2020	41	52	16	48	42.0%	7.45 [3.04, 18.26]	
Total (95% CI)		112		238	100.0%	7.46 [4.27, 13.04]	•
Total events	77		39				
Heterogeneity: Chi ² = {	5.98, df = 3 (P :	= 0.11);1	I² = 50%				
Test for overall effect: 2	Z = 7.05 (P < 0	.00001)					0.05 0.2 1 5 20

5.3.4. Association of severe COVID-19 with lymphopenia

	Severe COV	/ID-19	Mild COV	'ID-19		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% Cl
Di Mascio 2020	26	39	86	227	38.6%	3.28 [1.60, 6.72]	
Maraschini 2020	33	47	40	99	35.2%	3.48 [1.65, 7.31]	
Martínez-Perez 2020	1	4	6	78	2.0%	4.00 [0.36, 44.60]	
Vivanti 2020	21	43	8	24	24.1%	1.91 [0.68, 5.39]	
Total (95% CI)		133		428	100.0%	3.03 [1.93, 4.78]	•
Total events	81		140				
Heterogeneity: Chi ² = (0.99, df = 3 (P	= 0.80);	l² = 0%				0.05 0.2 1 5 20
Test for overall effect: 2	Z = 4.79 (P < 0	.00001)					0.05 0.2 1 5 20

5.3.5. Association of severe COVID-19 with intensive care unit (ICU) admission

	Severe CO	/ID-19	Mild COV	/ID-19		Odds Ratio	Odds Ratio			
Study or Subgroup	Events	Events Total		Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% CI			
Brandt 2020	1	7	0	54	3.2%	25.15 [0.93, 683.58]		+	· · ·	
Di Mascio 2020	42	294	1	94	40.2%	15.50 [2.10, 114.23]				
Maraschini 2020	5	47	2	99	35.6%	5.77 [1.08, 30.96]		F	-	
Panagiotakopoulos 2020	13	43	1	62	17.7%	26.43 [3.30, 211.67]				
Savasi 2020	5	11	0	46	3.4%	78.69 [3.88, 1595.10]				• • •
Total (95% CI)		402		355	100.0%	16.43 [5.86, 46.04]			•	
Total events	66		4							
Heterogeneity: Chi ² = 2.80,	df = 4 (P = 0.5)	i9); I 2 = 0	%				0.004			4000
Test for overall effect: Z = 5.	.32 (P < 0.000	01)					0.001	0.1 1	10	1000

5.3.6. Association of severe COVID-19 with mechanical ventilation

	Severe COV	Mild COV	/ID-19		Odds Ratio	Odds Ratio				
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl		M-H, Fix	ed, 95% Cl	
Di Mascio 2020	35	294	1	94	31.3%	12.57 [1.70, 93.03]				_
Khoury 2020	9	75	0	166	6.4%	47.57 [2.73, 829.00]				
Maraschini 2020	31	47	8	99	41.1%	22.04 [8.60, 56.50]			│ —	
Martínez-Perez 2020	2	4	4	78	4.6%	18.50 [2.04, 167.48]				
Panagiotakopoulos 2020	6	43	1	62	16.5%	9.89 [1.15, 85.43]				_
Total (95% CI)		463		499	100.0%	18.54 [8.22, 41.82]			•	
Total events	83		14							
Heterogeneity: $Chi^2 = 1.02$, Test for overall effect: $Z = 7$.			%				0.001	0.1	1 10	1000

5.3.7. Association of severe COVID-19 with cesarean delivery

	Severe COV	/ID-19	Mild COV	'ID- 1 9		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% Cl
Adhikari 2020	5	12	60	233	6.0%	2.06 [0.63, 6.73]	
Barbero 2020	9	11	3	12	0.9%	13.50 [1.80, 101.13]	
Di Mascio 2020	100	177	36	74	38.8%	1.37 [0.80, 2.36]	
Khoury 2020	44	75	56	166	25.3%	2.79 [1.59, 4.89]	
Maraschini 2020	23	47	25	99	14.4%	2.84 [1.37, 5.89]	
Martínez-Perez 2020	4	4	37	78	0.8%	9.96 [0.52, 191.23]	
Panagiotakopoulos 2020	12	32	16	61	12.1%	1.69 [0.68, 4.21]	- +
Savasi 2020	9	11	13	46	1.6%	11.42 [2.17, 60.15]	
Total (95% CI)		369		769	100.0%	2.36 [1.76, 3.17]	◆
Total events	206		246				
Heterogeneity: Chi ² = 12.23	df = 7 (P = 0)	09); l² =	43%				
Test for overall effect: Z = 5.							0.005 0.1 1 10 200

5.3.8. Association of severe COVID-19 with preterm birth

	Severe COV	/ID-19	Mild COV	/ID-19		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% Cl
Adhikari 2020	5	12	22	233	3.4%	6.85 [2.00, 23.41]	
Barbero 2020	5	11	3	12	4.2%	2.50 [0.43, 14.61]	
Brandt 2020	4	7	3	54	0.8%	22.67 [3.40, 151.02]	
Di Mascio 2020	60	189	10	77	26.0%	3.12 [1.50, 6.48]	
Kayem 2020	37	58	13	123	8.1%	14.91 [6.80, 32.70]	
Khoury 2020	18	73	18	166	22.2%	2.69 [1.31, 5.54]	
Maraschini 2020	15	47	13	99	15.3%	3.10 [1.33, 7.23]	
Martínez-Perez 2020	4	4	21	78	0.7%	24.07 [1.24, 466.10]	
Panagiotakopoulos 2020	5	32	9	61	14.0%	1.07 [0.33, 3.51]	_
Savasi 2020	4	11	8	46	5.3%	2.71 [0.64, 11.52]	
Total (95% CI)		444		949	100.0%	4.06 [2.96, 5.59]	•
Total events	157		120				
Heterogeneity: Chi ^z = 23.33	, df = 9 (P = 0.	005); l ² =	= 61%				
Test for overall effect: Z = 8.							0.005 0.1 1 10 200

5.3.9. Association of severe COVID-19 with gestational age at birth (weeks)

	Sever	e COVIE	D- 1 9	Mild (Mild COVID-19			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	IV, Fixed, 95% CI
Barbero 2020	37	2.5	11	39	5	12	3.2%	-2.00 [-5.19, 1.19]	+ _
Brandt 2020	34	5.8	7	39	2.7	54	1.7%	-5.00 [-9.36, -0.64]	
Di Mascio 2020	36.6	4.3	177	38.6	2.2	74	50.4%	-2.00 [-2.81, -1.19]	=
Martínez-Perez 2020	29	1.8	4	39	2.7	78	9.5%	-10.00 [-11.86, -8.14]	
Mendoza 2020	28.6	7.5	8	32.8	7	34	1.0%	-4.20 [-9.90, 1.50]	_
Panagiotakopoulos 2020	38	2.5	32	39	2.3	61	30.4%	-1.00 [-2.04, 0.04]	-#-
Savasi 2020	37.4	26.3	11	38.9	28.5	46	0.1%	-1.50 [-19.09, 16.09]	
Vivanti 2020	30.6	9	52	31.6	6.1	48	3.7%	-1.00 [-3.99, 1.99]	
Total (95% CI)			302			407	100.0%	-2.49 [-3.07, -1.92]	•
Heterogeneity: Chi ² = 74.39	, df = 7 (F	< 0.00	001); I ^z	= 91%					
Test for overall effect: Z = 8.	51 (P < 0	.00001)							-10 -5 0 5 10

5.3.10. Association of severe COVID-19 with low birth weight

	Severe CO	evere COVID-19 Mild COVID-1		ID-19		Risk Ratio	Risk Ratio		
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% CI		
Di Mascio 2020	43	177	9	74	62.1%	2.00 [1.03, 3.89]			
Maraschini 2020	10	48	12	101	37.9%	1.75 [0.82, 3.77]			
Total (95% CI)		225		175	100.0%	1.91 [1.15, 3.16]			
Total events	53		21						
Heterogeneity: Chi ² =	: 0.06, df = 1 (F	^o = 0.80)	; I ² = 0%				0.5 0.7 1 1.5 2		
Test for overall effect	: Z = 2.49 (P =	0.01)					0.5 0.7 T T.5 Z		

5.3.11. Association of severe COVID-19 with neonatal intensive care unit (NICU) admission

	Severe COV	ere COVID-19 Mild COVID-19			Odds Ratio	Odds Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
Di Mascio 2020	50	177	19	74	66.3%	1.14 [0.62, 2.11]	
Kayem 2020	27	59	10	131	11.6%	10.21 [4.48, 23.26]	
Maraschini 2020	13	48	10	101	16.2%	3.38 [1.36, 8.41]	
Martínez-Perez 2020	3	4	19	78	1.6%	9.32 [0.91, 94.93]	· · · · · · · · · · · · · · · · · · ·
Savasi 2020	4	11	5	46	4.2%	4.69 [1.00, 21.85]	
Total (95% CI)		299		430	100.0%	2.84 [1.90, 4.25]	•
Total events	97		63				
Heterogeneity: Chi ² = 1	19.27, df = 4 (F	° = 0.000	07); I ² = 799	6			0.02 0.1 1 10 50
Test for overall effect: 2	Z = 5.07 (P < 0	.00001)					0.02 0.1 1 10 50

5.3.12. Association of severe COVID-19 with neonatal death

	Severe COV	'ID- 1 9	Mild COVID-19		Mild COVID-19			Odds Ratio		Odds Rati	0	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl		M-H, Fixed, 95	ed, 95% CI			
Brandt 2020	6	7	5	54	44.3%	58.80 [5.85, 591.39]			_			
Kayem 2020	1	128	0	489	55.7%	11.52 [0.47, 284.41]						
Maraschini 2020	0	48	0	101		Not estimable						
Total (95% CI)		183		644	100.0%	32.47 [5.08, 207.65]						
Total events	7		5									
Heterogeneity: Chi ² =	0.66, df = 1 (P	= 0.42);	; I² = 0%				0.002		10	500		
Test for overall effect:	Z = 3.68 (P = 1	0.0002)					0.002	0.1 1	10	500		