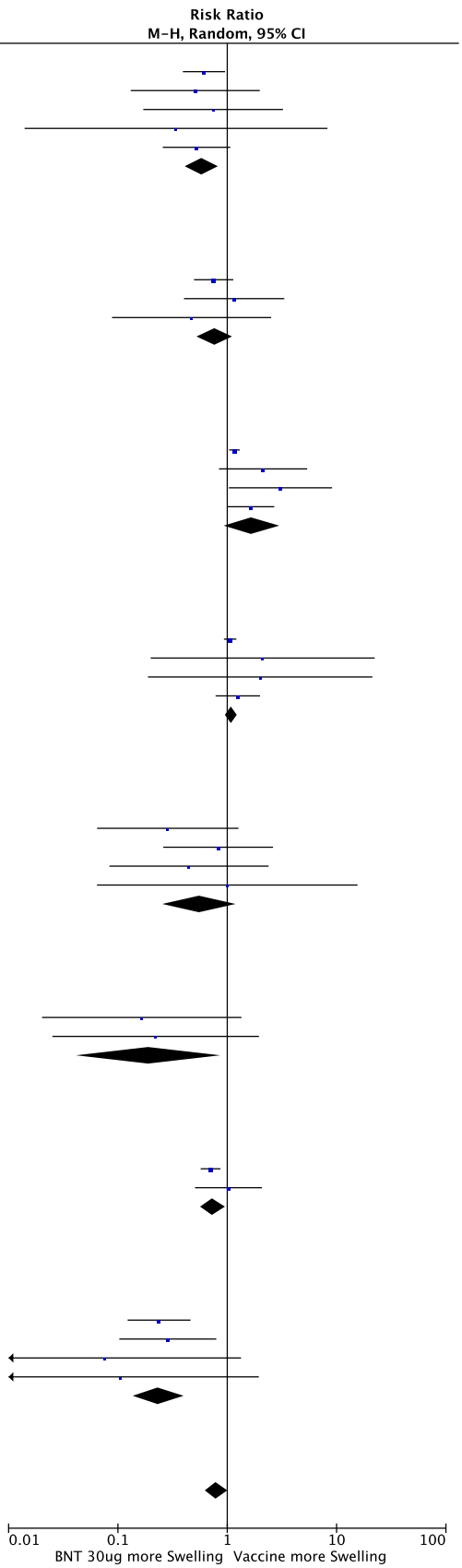Study or Subgroup	Vaccine Events	Vaccine Total	BNT162b2 30ug Events	BNT162b2 30ug Total	Weight	Risk Ratio M-H, Random, 95% CI
4.6.1 Ad26.COV2.S						
Costa Clemens 2022 - Ad26.COV2.S	27	305	49	339	6.9%	0.61 [0.39, 0.95]
Munro 2021 - Ad26.COV2S (BNT162b2 primed)	3	103	6	105	2.2%	0.51 [0.13, 1.98]
Munro 2021 - Ad26.COV2S (ChAdOx-1 primed)	3	102	4	101	1.9%	0.74 [0.17, 3.23]
Reindl-Schwaighofer 2022 - Ad26.COV2.S	0	99	1	101	0.5%	0.34 [0.01, 8.25]
Sablerolles 2022 - Ad26.COV2.S	10	106	20	111	4.9%	0.52 [0.26, 1.07]
Subtotal (95% CI)		**715**		**757**	**16.4%**	**0.58 [0.41, 0.83]**
Total events	43		80			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 0.39, df = 4 (P = 0.98); I^2 = 0%						
Test for overall effect: Z = 3.01 (P = 0.003)						
4.6.2 ChAdOx-1						
Costa Clemens 2022 - ChAdOx-1	33	304	49	339	7.1%	0.75 [0.50, 1.14]
Munro 2021 - ChAdOx-1 (BNT162b2 primed)	7	106	6	105	3.1%	1.16 [0.40, 3.32]
Munro 2021 - ChAdOx-1 (ChAdOx-1 primed)	2	107	4	101	1.6%	0.47 [0.09, 2.52]
Subtotal (95% CI)		**517**		**545**	**11.8%**	**0.77 [0.53, 1.13]**
Total events	42		59			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 0.91, df = 2 (P = 0.63); I^2 = 0%						
Test for overall effect: Z = 1.33 (P = 0.18)						
4.6.3 mRNA-1273 100ug#						
Chuang 2022 - mRNA-1273 100ug	81	85	68	83	9.1%	1.16 [1.04, 1.30]
Munro 2021 - mRNA-1273 100ug (BNT162b2 primed)	13	107	6	105	3.7%	2.13 [0.84, 5.38]
Munro 2021 - mRNA-1273 100ug (ChAdOx-1 primed)	13	107	4	101	3.0%	3.07 [1.03, 9.10]
Sablerolles 2022 - mRNA-1273 100ug	33	111	20	111	6.5%	1.65 [1.01, 2.69]
Subtotal (95% CI)		**410**		**400**	**22.3%**	**1.69 [0.94, 3.01]**
Total events	140		98			
Heterogeneity: Tau^2 = 0.24; Chi^2 = 13.79, df = 3 (P = 0.003); I^2 = 78%						
Test for overall effect: Z = 1.76 (P = 0.08)						
4.6.4 mRNA-1273 50ug#						
Chuang 2022 - mRNA-1273 50ug	74	85	68	83	9.0%	1.06 [0.93, 1.21]
Munro 2022 - mRNA-1273 50ug (4th BNT162b2 primed)	2	37	1	39	0.9%	2.11 [0.20, 22.28]
Munro 2022 - mRNA-1273 50ug (4th ChAdOx-1 primed)	2	44	1	44	0.9%	2.00 [0.19, 21.26]
Poh 2022 - mRNA-1273 50ug	22	45	18	46	6.7%	1.25 [0.78, 2.00]
Subtotal (95% CI)		**211**		**212**	**17.4%**	**1.08 [0.95, 1.22]**
Total events	100		88			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 1.38, df = 3 (P = 0.71); I^2 = 0%						
Test for overall effect: Z = 1.19 (P = 0.23)						
4.6.5 BNT162b2 15ug						
Intapiboon 2021 BNT162b2 15ug	2	30	7	30	1.9%	0.29 [0.06, 1.26]
Munro 2021 - BNT162b2 15ug (BNT162b2 primed)	5	106	6	105	2.8%	0.83 [0.26, 2.62]
Munro 2021 - BNT162b2 15ug (ChAdOx-1 primed)	2	113	4	101	1.6%	0.45 [0.08, 2.39]
Nantanee 2022 - BNT162b2 15ug	1	50	1	50	0.6%	1.00 [0.06, 15.55]
Subtotal (95% CI)		**299**		**286**	**6.8%**	**0.55 [0.26, 1.20]**
Total events	10		18			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 1.46, df = 3 (P = 0.69); I^2 = 0%						
Test for overall effect: Z = 1.50 (P = 0.13)						
4.6.6 NVX-CoV2373						
Munro 2021 - NVX-CoV2373 (BNT162b2 primed)	1	106	6	105	1.1%	0.17 [0.02, 1.35]
Munro 2021 - NVX-CoV2373 (ChAdOx-1 primed)	1	114	4	101	1.0%	0.22 [0.03, 1.95]
Subtotal (95% CI)		**220**		**206**	**2.0%**	**0.19 [0.04, 0.86]**
Total events	2		10			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 0.04, df = 1 (P = 0.85); I^2 = 0%						
Test for overall effect: Z = 2.15 (P = 0.03)						
4.6.7 Other Protein Subunit						
Chuang 2022 - MCV-COV1901	49	85	68	83	8.6%	0.70 [0.57, 0.87]
Launay 2022 - MVB.1.351	13	80	13	82	4.9%	1.02 [0.51, 2.07]
Subtotal (95% CI)		**165**		**165**	**13.6%**	**0.74 [0.56, 0.97]**
Total events	62		81			
Heterogeneity: Tau^2 = 0.01; Chi^2 = 1.15, df = 1 (P = 0.28); I^2 = 13%						
Test for overall effect: Z = 2.17 (P = 0.03)						
4.6.8 Inactivated						
Costa Clemens 2022 - CoronaVac	10	291	49	339	5.2%	0.24 [0.12, 0.46]
Mok 2022 - CoronaVac	4	40	14	40	3.3%	0.29 [0.10, 0.79]
Munro 2021 - VLA2001 (BNT162b2 primed)	0	106	6	105	0.6%	0.08 [0.00, 1.34]
Munro 2021 - VLA2001 (ChAdOx-1 primed)	0	106	4	101	0.6%	0.11 [0.01, 1.94]
Subtotal (95% CI)		**543**		**585**	**9.7%**	**0.23 [0.14, 0.40]**
Total events	14		73			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 1.05, df = 3 (P = 0.79); I^2 = 0%						
Test for overall effect: Z = 5.32 (P < 0.00001)						
Total (95% CI)		**3080**		**3156**	**100.0%**	**0.80 [0.63, 1.00]**
Total events	413		507			
Heterogeneity: Tau^2 = 0.15; Chi^2 = 107.37, df = 27 (P < 0.00001); I^2 = 75%						
Test for overall effect: Z = 1.94 (P = 0.05)						
Test for subgroup differences: Chi^2 = 50.89, df = 7 (P < 0.00001), I^2 = 86.2%