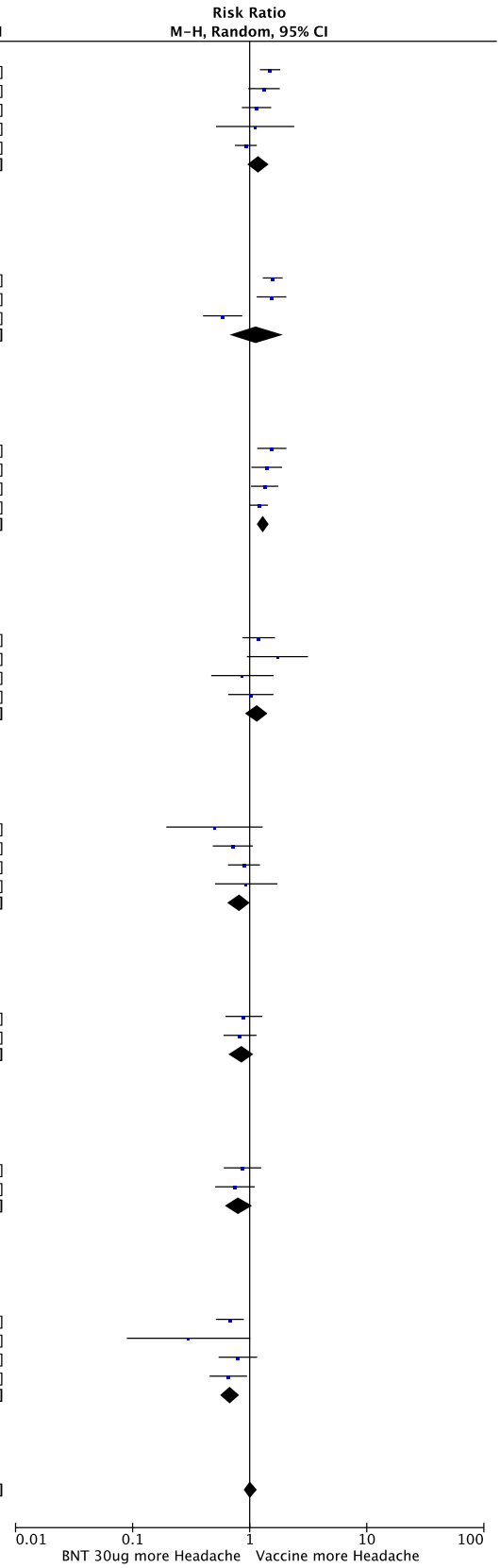Study or Subgroup	Vaccine Events	Vaccine Total	BNT162b2 30ug Events	BNT162b2 30ug Total	Weight	Risk Ratio M-H, Random, 95% CI
4.3.1 Ad26.COV2.S						
Costa Clemens 2022 - Ad26.COV2.S	141	305	105	339	4.8%	1.49 [1.22, 1.82]
Munro 2021 - Ad26.COV2S (BNT162b2 primed)	52	103	40	105	4.1%	1.33 [0.97, 1.81]
Munro 2021 - Ad26.COV2S (ChAdOx-1 primed)	52	102	45	101	4.2%	1.14 [0.86, 1.53]
Reindl-Schwaighofer 2022 - Ad26.COV2.S	12	99	11	101	1.7%	1.11 [0.52, 2.40]
Sablerolles 2022 - Ad26.COV2.S	62	106	70	111	4.7%	0.93 [0.75, 1.15]
Subtotal (95% CI)		**715**		**757**	**19.5%**	**1.20 [0.96, 1.48]**
Total events	319		271			
Heterogeneity: Tau² = 0.04; Chi² = 10.98, df = 4 (P = 0.03); I² = 64%						
Test for overall effect: Z = 1.63 (P = 0.10)						
4.3.2 ChAdOx-1						
Costa Clemens 2022 - ChAdOx-1	148	304	105	339	4.8%	1.57 [1.29, 1.91]
Munro 2021 - ChAdOx-1 (BNT162b2 primed)	62	106	40	105	4.2%	1.54 [1.15, 2.06]
Munro 2021 - ChAdOx-1 (ChAdOx-1 primed)	28	107	45	101	3.6%	0.59 [0.40, 0.86]
Subtotal (95% CI)		**517**		**545**	**12.5%**	**1.15 [0.68, 1.95]**
Total events	238		190			
Heterogeneity: Tau² = 0.20; Chi² = 21.02, df = 2 (P < 0.0001); I² = 90%						
Test for overall effect: Z = 0.51 (P = 0.61)						
4.3.3 mRNA-1273 100ug						
Chuang 2022 - mRNA-1273 100ug	57	85	36	83	4.2%	1.55 [1.16, 2.06]
Munro 2021 - mRNA-1273 100ug (BNT162b2 primed)	57	107	40	105	4.1%	1.40 [1.03, 1.89]
Munro 2021 - mRNA-1273 100ug (ChAdOx-1 primed)	64	107	45	101	4.4%	1.34 [1.03, 1.75]
Sablerolles 2022 - mRNA-1273 100ug	84	111	70	111	4.9%	1.20 [1.01, 1.43]
Subtotal (95% CI)		**410**		**400**	**17.6%**	**1.32 [1.17, 1.48]**
Total events	262		191			
Heterogeneity: Tau² = 0.00; Chi² = 2.53, df = 3 (P = 0.47); I² = 0%						
Test for overall effect: Z = 4.46 (P < 0.00001)						
4.3.4 mRNA-1273 50ug						
Chuang 2022 - mRNA-1273 50ug	44	85	36	83	4.0%	1.19 [0.87, 1.64]
Munro 2022 - mRNA-1273 50ug (4th BNT162b2 primed)	18	37	11	39	2.4%	1.72 [0.95, 3.14]
Munro 2022 - mRNA-1273 50ug (4th ChAdOx-1 primed)	13	44	15	44	2.3%	0.87 [0.47, 1.60]
Poh 2022 - mRNA-1273 50ug	21	45	21	46	3.2%	1.02 [0.66, 1.59]
Subtotal (95% CI)		**211**		**212**	**11.9%**	**1.16 [0.93, 1.45]**
Total events	96		83			
Heterogeneity: Tau² = 0.00; Chi² = 2.89, df = 3 (P = 0.41); I² = 0%						
Test for overall effect: Z = 1.29 (P = 0.20)						
4.3.5 BNT162b2 15ug						
Intapiboon 2021 BNT162b2 15ug	5	30	10	30	1.3%	0.50 [0.19, 1.29]
Munro 2021 - BNT162b2 15ug (BNT162b2 primed)	29	106	40	105	3.5%	0.72 [0.48, 1.07]
Munro 2021 - BNT162b2 15ug (ChAdOx-1 primed)	45	113	45	101	4.0%	0.89 [0.65, 1.22]
Nantanee 2022 - BNT162b2 15ug	14	50	15	50	2.3%	0.93 [0.51, 1.72]
Subtotal (95% CI)		**299**		**286**	**11.1%**	**0.81 [0.65, 1.01]**
Total events	93		110			
Heterogeneity: Tau² = 0.00; Chi² = 1.95, df = 3 (P = 0.58); I² = 0%						
Test for overall effect: Z = 1.83 (P = 0.07)						
4.3.6 NVX-CoV2373						
Munro 2021 - NVX-CoV2373 (BNT162b2 primed)	36	106	40	105	3.7%	0.89 [0.62, 1.28]
Munro 2021 - NVX-CoV2373 (ChAdOx-1 primed)	42	114	45	101	4.0%	0.83 [0.60, 1.14]
Subtotal (95% CI)		**220**		**206**	**7.7%**	**0.86 [0.67, 1.09]**
Total events	78		85			
Heterogeneity: Tau² = 0.00; Chi² = 0.09, df = 1 (P = 0.76); I² = 0%						
Test for overall effect: Z = 1.27 (P = 0.20)						
4.3.7 Other Protein Subunit						
Chuang 2022 - MCV-COV1901	32	85	36	83	3.7%	0.87 [0.60, 1.25]
Launay 2022 - MVB.1.351	27	80	37	82	3.5%	0.75 [0.51, 1.10]
Subtotal (95% CI)		**165**		**165**	**7.2%**	**0.81 [0.62, 1.06]**
Total events	59		73			
Heterogeneity: Tau² = 0.00; Chi² = 0.30, df = 1 (P = 0.59); I² = 0%						
Test for overall effect: Z = 1.55 (P = 0.12)						
4.3.8 Inactivated						
Costa Clemens 2022 - CoronaVac	61	291	105	339	4.3%	0.68 [0.51, 0.89]
Mok 2022 - CoronaVac	3	40	10	40	0.9%	0.30 [0.09, 1.01]
Munro 2021 - VLA2001 (BNT162b2 primed)	32	106	40	105	3.6%	0.79 [0.54, 1.16]
Munro 2021 - VLA2001 (ChAdOx-1 primed)	31	106	45	101	3.7%	0.66 [0.45, 0.95]
Subtotal (95% CI)		**543**		**585**	**12.5%**	**0.68 [0.57, 0.83]**
Total events	127		200			
Heterogeneity: Tau² = 0.00; Chi² = 2.42, df = 3 (P = 0.49); I² = 0%						
Test for overall effect: Z = 3.96 (P < 0.0001)						
Total (95% CI)		**3080**		**3156**	**100.0%**	**1.02 [0.90, 1.16]**
Total events	1272		1203			
Heterogeneity: Tau² = 0.07; Chi² = 100.99, df = 27 (P < 0.00001); I² = 73%						
Test for overall effect: Z = 0.35 (P = 0.73)						
Test for subgroup differences: Chi² = 46.93, df = 7 (P < 0.00001), I² = 85.1%