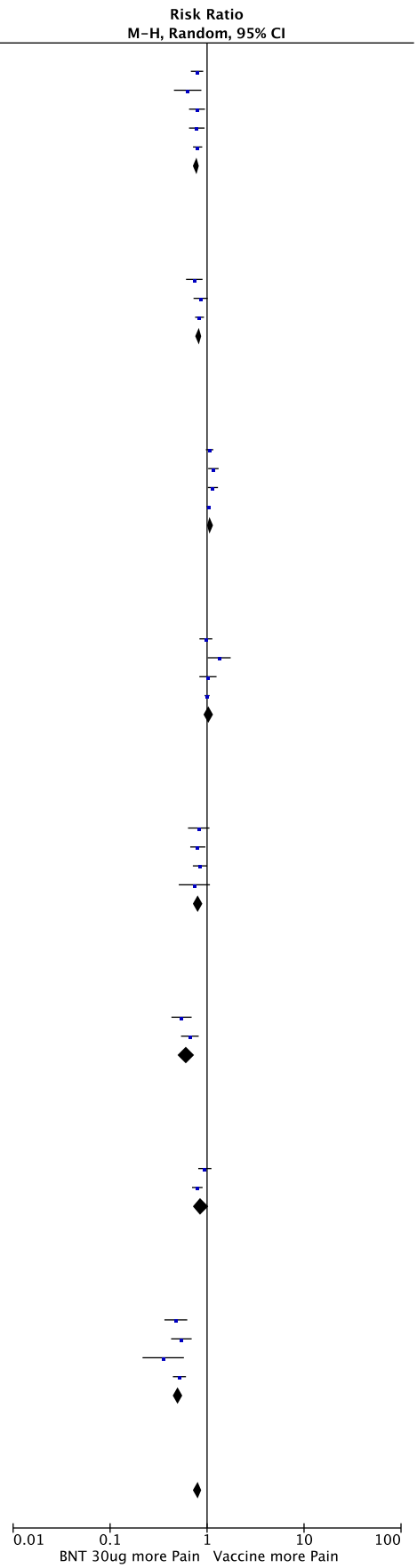Study or Subgroup	Vaccine Events	Vaccine Total	BNT162b2 30ug Events	BNT162b2 30ug Total	Weight	Risk Ratio M-H, Random, 95% CI
4.4.1 Ad26.COV2.S						
Sablerolles 2022 - Ad26.COV2.S	73	106	97	111	3.8%	0.79 [0.68, 0.91]
Reindl-Schwaighofer 2022 - Ad26.COV2.S	34	99	55	101	2.9%	0.63 [0.46, 0.87]
Munro 2021 - Ad26.COV2S (ChAdOx-1 primed)	62	102	78	101	3.6%	0.79 [0.65, 0.95]
Munro 2021 - Ad26.COV2S (BNT162b2 primed)	63	103	82	105	3.6%	0.78 [0.65, 0.94]
Costa Clemens 2022 - Ad26.COV2.S	184	305	256	339	4.0%	0.80 [0.72, 0.89]
Subtotal (95% CI)		**715**		**757**	**17.9%**	**0.78 [0.73, 0.84]**
Total events	416		568			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 1.90, df = 4 (P = 0.75); I^2 = 0%						
Test for overall effect: Z = 6.72 (P < 0.00001)						
4.4.2 ChAdOx-1						
Munro 2021 - ChAdOx-1 (ChAdOx-1 primed)	61	107	78	101	3.6%	0.74 [0.61, 0.90]
Munro 2021 - ChAdOx-1 (BNT162b2 primed)	71	106	82	105	3.7%	0.86 [0.73, 1.01]
Costa Clemens 2022 - ChAdOx-1	192	304	256	339	4.0%	0.84 [0.75, 0.93]
Subtotal (95% CI)		**517**		**545**	**11.3%**	**0.82 [0.76, 0.89]**
Total events	324		416			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 1.51, df = 2 (P = 0.47); I^2 = 0%						
Test for overall effect: Z = 4.70 (P < 0.00001)						
4.4.3 mRNA-1273 100ug						
Sablerolles 2022 - mRNA-1273 100ug	103	111	97	111	4.0%	1.06 [0.97, 1.16]
Munro 2021 - mRNA-1273 100ug (ChAdOx-1 primed)	96	107	78	101	3.9%	1.16 [1.03, 1.31]
Munro 2021 - mRNA-1273 100ug (BNT162b2 primed)	96	107	82	105	3.9%	1.15 [1.02, 1.30]
Chuang 2022 - mRNA-1273 100ug	85	85	80	83	4.1%	1.04 [0.99, 1.09]
Subtotal (95% CI)		**410**		**400**	**16.0%**	**1.09 [1.01, 1.17]**
Total events	380		337			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 7.84, df = 3 (P = 0.05); I^2 = 62%						
Test for overall effect: Z = 2.28 (P = 0.02)						
4.4.4 mRNA-1273 50ug						
Poh 2022 - mRNA-1273 50ug	39	45	41	46	3.8%	0.97 [0.83, 1.13]
Munro 2022 - mRNA-1273 50ug (4th ChAdOx-1 primed)	36	44	27	44	3.2%	1.33 [1.02, 1.75]
Munro 2022 - mRNA-1273 50ug (4th BNT162b2 primed)	31	37	32	39	3.5%	1.02 [0.83, 1.25]
Chuang 2022 - mRNA-1273 50ug	82	85	80	83	4.1%	1.00 [0.94, 1.06]
Subtotal (95% CI)		**211**		**212**	**14.6%**	**1.03 [0.92, 1.15]**
Total events	188		180			
Heterogeneity: Tau^2 = 0.01; Chi^2 = 6.37, df = 3 (P = 0.09); I^2 = 53%						
Test for overall effect: Z = 0.58 (P = 0.56)						
4.4.5 BNT162b2 15ug						
Nantanee 2022 - BNT162b2 15ug	32	50	39	50	3.3%	0.82 [0.64, 1.06]
Munro 2021 - BNT162b2 15ug (ChAdOx-1 primed)	70	113	78	101	3.7%	0.80 [0.67, 0.96]
Munro 2021 - BNT162b2 15ug (BNT162b2 primed)	70	106	82	105	3.7%	0.85 [0.71, 1.00]
Intapiboon 2021 BNT162b2 15ug	17	30	23	30	2.6%	0.74 [0.51, 1.07]
Subtotal (95% CI)		**299**		**286**	**13.3%**	**0.82 [0.73, 0.91]**
Total events	189		222			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 0.48, df = 3 (P = 0.92); I^2 = 0%						
Test for overall effect: Z = 3.74 (P = 0.0002)						
4.4.6 NVX-CoV2373						
Munro 2021 - NVX-CoV2373 (ChAdOx-1 primed)	48	114	78	101	3.4%	0.55 [0.43, 0.69]
Munro 2021 - NVX-CoV2373 (BNT162b2 primed)	55	106	82	105	3.5%	0.66 [0.54, 0.82]
Subtotal (95% CI)		**220**		**206**	**6.9%**	**0.61 [0.50, 0.74]**
Total events	103		160			
Heterogeneity: Tau^2 = 0.01; Chi^2 = 1.49, df = 1 (P = 0.22); I^2 = 33%						
Test for overall effect: Z = 5.05 (P < 0.00001)						
4.4.7 Other Protein Subunit						
Launay 2022 - MVB.1.351	62	80	67	82	3.8%	0.95 [0.81, 1.11]
Chuang 2022 - MCV-COV1901	65	85	80	83	3.9%	0.79 [0.70, 0.90]
Subtotal (95% CI)		**165**		**165**	**7.7%**	**0.86 [0.72, 1.03]**
Total events	127		147			
Heterogeneity: Tau^2 = 0.01; Chi^2 = 3.14, df = 1 (P = 0.08); I^2 = 68%						
Test for overall effect: Z = 1.64 (P = 0.10)						
4.4.8 Inactivated						
Munro 2021 - VLA2001 (ChAdOx-1 primed)	39	106	78	101	3.2%	0.48 [0.36, 0.62]
Munro 2021 - VLA2001 (BNT162b2 primed)	45	106	82	105	3.3%	0.54 [0.43, 0.69]
Mok 2022 - CoronaVac	12	40	34	40	2.1%	0.35 [0.22, 0.58]
Costa Clemens 2022 - CoronaVac	114	291	256	339	3.8%	0.52 [0.44, 0.61]
Subtotal (95% CI)		**543**		**585**	**12.4%**	**0.51 [0.45, 0.57]**
Total events	210		450			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 2.70, df = 3 (P = 0.44); I^2 = 0%						
Test for overall effect: Z = 11.65 (P < 0.00001)						
Total (95% CI)		**3080**		**3156**	**100.0%**	**0.81 [0.73, 0.89]**
Total events	1937		2480			
Heterogeneity: Tau^2 = 0.06; Chi^2 = 399.35, df = 27 (P < 0.00001); I^2 = 93%						
Test for overall effect: Z = 4.18 (P < 0.0001)						
Test for subgroup differences: Chi^2 = 153.18, df = 7 (P < 0.00001), I^2 = 95.4%