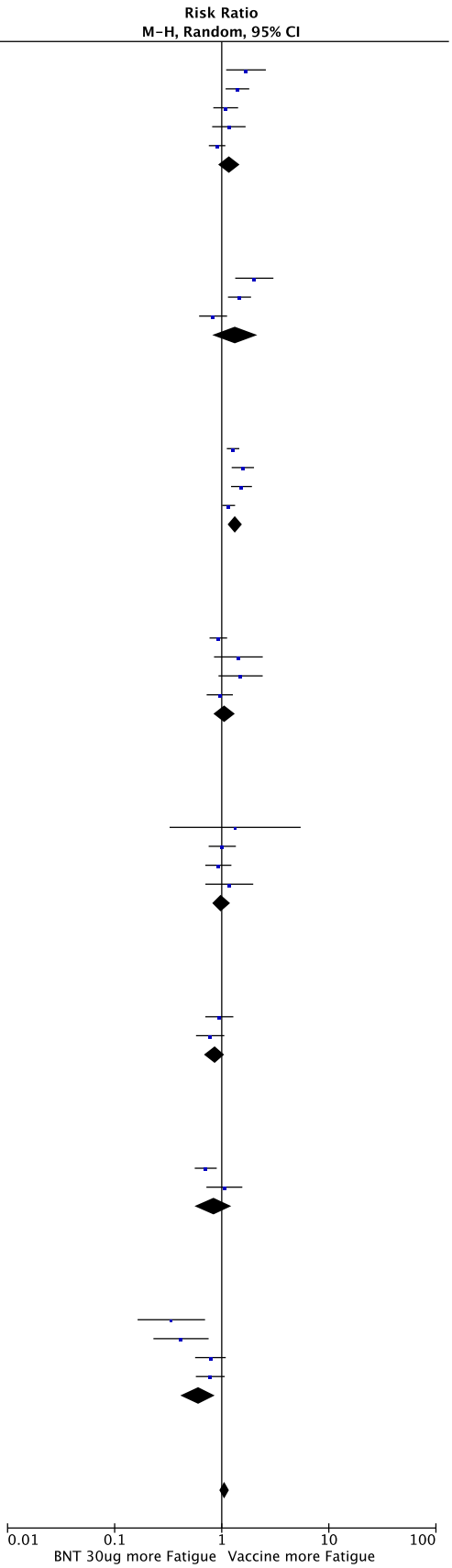Study or Subgroup	Vaccine Events	Vaccine Total	BNT162b2 30ug Events	BNT162b2 30ug Total	Weight	Risk Ratio M-H, Random, 95% CI
4.2.1 Ad26.COV2.S						
Costa Clemens 2022 - Ad26.COV2.S	47	305	31	339	3.0%	1.69 [1.10, 2.58]
Munro 2021 - Ad26.COV2S (BNT162b2 primed)	66	103	48	105	4.2%	1.40 [1.09, 1.81]
Munro 2021 - Ad26.COV2S (ChAdOx-1 primed)	55	102	50	101	4.1%	1.09 [0.83, 1.42]
Reindl-Schwaighofer 2022 - Ad26.COV2.S	40	99	35	101	3.4%	1.17 [0.81, 1.67]
Sablerolles 2022 - Ad26.COV2.S	70	106	81	111	4.7%	0.90 [0.76, 1.08]
Subtotal (95% CI)		**715**		**757**	**19.4%**	**1.18 [0.94, 1.48]**
Total events	278		245			
Heterogeneity: Tau^2 = 0.04; Chi^2 = 13.22, df = 4 (P = 0.01); I^2 = 70%						
Test for overall effect: Z = 1.46 (P = 0.14)						
4.2.2 ChAdOx-1						
Costa Clemens 2022 - ChAdOx-1	56	304	31	339	3.1%	2.01 [1.34, 3.04]
Munro 2021 - ChAdOx-1 (BNT162b2 primed)	71	106	48	105	4.2%	1.47 [1.14, 1.88]
Munro 2021 - ChAdOx-1 (ChAdOx-1 primed)	44	107	50	101	3.8%	0.83 [0.62, 1.12]
Subtotal (95% CI)		**517**		**545**	**11.1%**	**1.33 [0.83, 2.15]**
Total events	171		129			
Heterogeneity: Tau^2 = 0.15; Chi^2 = 14.00, df = 2 (P = 0.0009); I^2 = 86%						
Test for overall effect: Z = 1.17 (P = 0.24)						
4.2.3 mRNA-1273 100ug						
Chuang 2022 - mRNA-1273 100ug	81	85	62	83	5.0%	1.28 [1.12, 1.46]
Munro 2021 - mRNA-1273 100ug (BNT162b2 primed)	77	107	48	105	4.3%	1.57 [1.24, 2.00]
Munro 2021 - mRNA-1273 100ug (ChAdOx-1 primed)	81	107	50	101	4.4%	1.53 [1.22, 1.91]
Sablerolles 2022 - mRNA-1273 100ug	94	111	81	111	5.0%	1.16 [1.01, 1.33]
Subtotal (95% CI)		**410**		**400**	**18.7%**	**1.34 [1.16, 1.55]**
Total events	333		241			
Heterogeneity: Tau^2 = 0.01; Chi^2 = 8.07, df = 3 (P = 0.04); I^2 = 63%						
Test for overall effect: Z = 3.99 (P < 0.0001)						
4.2.4 mRNA-1273 50ug						
Chuang 2022 - mRNA-1273 50ug	59	85	62	83	4.7%	0.93 [0.77, 1.12]
Munro 2022 - mRNA-1273 50ug (4th BNT162b2 primed)	19	37	14	39	2.4%	1.43 [0.85, 2.42]
Munro 2022 - mRNA-1273 50ug (4th ChAdOx-1 primed)	24	44	16	44	2.7%	1.50 [0.93, 2.41]
Poh 2022 - mRNA-1273 50ug	30	45	32	46	4.0%	0.96 [0.72, 1.27]
Subtotal (95% CI)		**211**		**212**	**13.7%**	**1.08 [0.86, 1.36]**
Total events	132		124			
Heterogeneity: Tau^2 = 0.03; Chi^2 = 5.77, df = 3 (P = 0.12); I^2 = 48%						
Test for overall effect: Z = 0.64 (P = 0.52)						
4.2.5 BNT162b2 15ug						
Intapiboon 2021 BNT162b2 15ug	4	30	3	30	0.5%	1.33 [0.33, 5.45]
Munro 2021 - BNT162b2 15ug (BNT162b2 primed)	49	106	48	105	3.9%	1.01 [0.75, 1.35]
Munro 2021 - BNT162b2 15ug (ChAdOx-1 primed)	52	113	50	101	4.0%	0.93 [0.70, 1.23]
Nantanee 2022 - BNT162b2 15ug	20	50	17	50	2.4%	1.18 [0.70, 1.97]
Subtotal (95% CI)		**299**		**286**	**10.9%**	**1.00 [0.83, 1.20]**
Total events	125		118			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 0.82, df = 3 (P = 0.85); I^2 = 0%						
Test for overall effect: Z = 0.01 (P = 0.99)						
4.2.6 NVX-CoV2373						
Munro 2021 - NVX-CoV2373 (BNT162b2 primed)	46	106	48	105	3.8%	0.95 [0.70, 1.28]
Munro 2021 - NVX-CoV2373 (ChAdOx-1 primed)	44	114	50	101	3.8%	0.78 [0.58, 1.06]
Subtotal (95% CI)		**220**		**206**	**7.6%**	**0.86 [0.70, 1.07]**
Total events	90		98			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 0.81, df = 1 (P = 0.37); I^2 = 0%						
Test for overall effect: Z = 1.37 (P = 0.17)						
4.2.7 Other Protein Subunit						
Chuang 2022 - MCV-COV1901	45	85	62	83	4.3%	0.71 [0.56, 0.90]
Launay 2022 - MVB.1.351	32	80	31	82	3.2%	1.06 [0.72, 1.56]
Subtotal (95% CI)		**165**		**165**	**7.5%**	**0.84 [0.56, 1.25]**
Total events	77		93			
Heterogeneity: Tau^2 = 0.06; Chi^2 = 3.17, df = 1 (P = 0.08); I^2 = 68%						
Test for overall effect: Z = 0.85 (P = 0.40)						
4.2.8 Inactivated						
Costa Clemens 2022 - CoronaVac	9	291	31	339	1.6%	0.34 [0.16, 0.70]
Mok 2022 - CoronaVac	10	40	24	40	2.1%	0.42 [0.23, 0.75]
Munro 2021 - VLA2001 (BNT162b2 primed)	38	106	48	105	3.6%	0.78 [0.56, 1.09]
Munro 2021 - VLA2001 (ChAdOx-1 primed)	41	106	50	101	3.8%	0.78 [0.57, 1.07]
Subtotal (95% CI)		**543**		**585**	**11.0%**	**0.60 [0.42, 0.87]**
Total events	98		153			
Heterogeneity: Tau^2 = 0.08; Chi^2 = 8.01, df = 3 (P = 0.05); I^2 = 63%						
Test for overall effect: Z = 2.71 (P = 0.007)						
Total (95% CI)		**3080**		**3156**	**100.0%**	**1.06 [0.95, 1.18]**
Total events	1304		1201			
Heterogeneity: Tau^2 = 0.06; Chi^2 = 108.09, df = 27 (P < 0.00001); I^2 = 75%						
Test for overall effect: Z = 1.11 (P = 0.27)						
Test for subgroup differences: Chi^2 = 26.23, df = 7 (P = 0.0005), I^2 = 73.3%