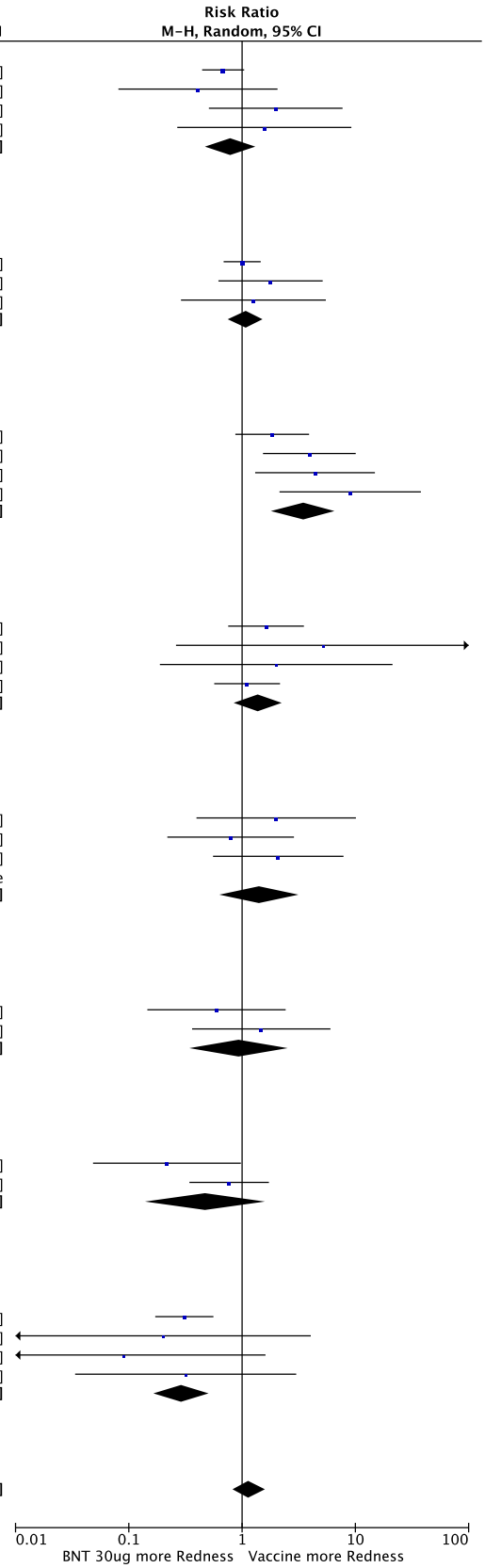Study or Subgroup	Vaccine Events	Vaccine Total	BNT162b2 30ug Events	BNT162b2 30ug Total	Weight	Risk Ratio M-H, Random, 95% CI
4.5.1 Ad26.COV2.S						
Costa Clemens 2022 - Ad26.COV2.S	30	305	49	339	7.3%	0.68 [0.44, 1.04]
Munro 2021 - Ad26.COV2S (BNT162b2 primed)	2	103	5	105	2.8%	0.41 [0.08, 2.05]
Munro 2021 - Ad26.COV2S (ChAdOx-1 primed)	6	102	3	101	3.5%	1.98 [0.51, 7.70]
Sablerolles 2022 - Ad26.COV2.S	3	106	2	111	2.5%	1.57 [0.27, 9.22]
Subtotal (95% CI)		**616**		**656**	**16.1%**	**0.79 [0.48, 1.31]**
Total events	41		59			
Heterogeneity: Tau^2 = 0.05; Chi^2 = 3.38, df = 3 (P = 0.34); I^2 = 11%						
Test for overall effect: Z = 0.91 (P = 0.36)						
4.5.2 ChAdOx-1						
Costa Clemens 2022 - ChAdOx-1	44	304	49	339	7.5%	1.00 [0.69, 1.46]
Munro 2021 - ChAdOx-1 (BNT162b2 primed)	9	106	5	105	4.5%	1.78 [0.62, 5.14]
Munro 2021 - ChAdOx-1 (ChAdOx-1 primed)	4	107	3	101	3.2%	1.26 [0.29, 5.49]
Subtotal (95% CI)		**517**		**545**	**15.2%**	**1.08 [0.76, 1.52]**
Total events	57		57			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 1.06, df = 2 (P = 0.59); I^2 = 0%						
Test for overall effect: Z = 0.43 (P = 0.67)						
4.5.3 mRNA-1273 100ug						
Chuang 2022 - mRNA-1273 100ug	17	85	9	83	5.8%	1.84 [0.87, 3.90]
Munro 2021 - mRNA-1273 100ug (BNT162b2 primed)	20	107	5	105	5.0%	3.93 [1.53, 10.07]
Munro 2021 - mRNA-1273 100ug (ChAdOx-1 primed)	14	107	3	101	3.9%	4.40 [1.30, 14.87]
Sablerolles 2022 - mRNA-1273 100ug	18	111	2	111	3.3%	9.00 [2.14, 37.87]
Subtotal (95% CI)		**410**		**400**	**18.0%**	**3.49 [1.82, 6.67]**
Total events	69		19			
Heterogeneity: Tau^2 = 0.16; Chi^2 = 4.70, df = 3 (P = 0.19); I^2 = 36%						
Test for overall effect: Z = 3.78 (P = 0.0002)						
4.5.4 mRNA-1273 50ug						
Chuang 2022 - mRNA-1273 50ug	15	85	9	83	5.8%	1.63 [0.75, 3.51]
Munro 2022 - mRNA-1273 50ug (4th BNT162b2 primed)	2	37	0	39	1.1%	5.26 [0.26, 106.11]
Munro 2022 - mRNA-1273 50ug (4th ChAdOx-1 primed)	2	44	1	44	1.6%	2.00 [0.19, 21.26]
Poh 2022 - mRNA-1273 50ug	13	45	12	46	6.2%	1.11 [0.57, 2.16]
Subtotal (95% CI)		**211**		**212**	**14.7%**	**1.38 [0.85, 2.25]**
Total events	32		22			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 1.49, df = 3 (P = 0.69); I^2 = 0%						
Test for overall effect: Z = 1.30 (P = 0.19)						
4.5.5 BNT162b2 15ug						
Intapiboon 2021 BNT162b2 15ug	4	30	2	30	2.8%	2.00 [0.40, 10.11]
Munro 2021 - BNT162b2 15ug (BNT162b2 primed)	4	106	5	105	3.7%	0.79 [0.22, 2.87]
Munro 2021 - BNT162b2 15ug (ChAdOx-1 primed)	7	113	3	101	3.6%	2.09 [0.55, 7.85]
Nantanee 2022 - BNT162b2 15ug	0	50	0	50		Not estimable
Subtotal (95% CI)		**299**		**286**	**10.1%**	**1.42 [0.64, 3.16]**
Total events	15		10			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 1.28, df = 2 (P = 0.53); I^2 = 0%						
Test for overall effect: Z = 0.85 (P = 0.39)						
4.5.6 NVX-CoV2373						
Munro 2021 - NVX-CoV2373 (BNT162b2 primed)	3	106	5	105	3.4%	0.59 [0.15, 2.42]
Munro 2021 - NVX-CoV2373 (ChAdOx-1 primed)	5	114	3	101	3.4%	1.48 [0.36, 6.02]
Subtotal (95% CI)		**220**		**206**	**6.7%**	**0.94 [0.35, 2.53]**
Total events	8		8			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 0.80, df = 1 (P = 0.37); I^2 = 0%						
Test for overall effect: Z = 0.13 (P = 0.90)						
4.5.7 Other Protein Subunit						
Chuang 2022 - MCV-COV1901	2	85	9	83	3.1%	0.22 [0.05, 0.97]
Launay 2022 - MVB.1.351	9	80	12	82	5.6%	0.77 [0.34, 1.72]
Subtotal (95% CI)		**165**		**165**	**8.7%**	**0.48 [0.14, 1.62]**
Total events	11		21			
Heterogeneity: Tau^2 = 0.44; Chi^2 = 2.18, df = 1 (P = 0.14); I^2 = 54%						
Test for overall effect: Z = 1.18 (P = 0.24)						
4.5.8 Inactivated						
Costa Clemens 2022 - CoronaVac	13	291	49	339	6.6%	0.31 [0.17, 0.56]
Mok 2022 - CoronaVac	0	40	2	40	1.1%	0.20 [0.01, 4.04]
Munro 2021 - VLA2001 (BNT162b2 primed)	0	106	5	105	1.2%	0.09 [0.01, 1.61]
Munro 2021 - VLA2001 (ChAdOx-1 primed)	1	106	3	101	1.7%	0.32 [0.03, 3.00]
Subtotal (95% CI)		**543**		**585**	**10.5%**	**0.29 [0.17, 0.51]**
Total events	14		59			
Heterogeneity: Tau^2 = 0.00; Chi^2 = 0.75, df = 3 (P = 0.86); I^2 = 0%						
Test for overall effect: Z = 4.38 (P < 0.0001)						
Total (95% CI)		**2981**		**3055**	**100.0%**	**1.15 [0.83, 1.61]**
Total events	247		255			
Heterogeneity: Tau^2 = 0.35; Chi^2 = 62.41, df = 25 (P < 0.0001); I^2 = 60%						
Test for overall effect: Z = 0.83 (P = 0.41)						
Test for subgroup differences: Chi^2 = 38.30, df = 7 (P < 0.00001), I^2 = 81.7%