

Supplementary Table S3: Incidence (per 1,000 participant-years) of AE, localised and systemic adverse events by prior COVID infection status

Description	Prior COVID n ⁴ ; IR ⁵ (95% CI ⁶)	No prior COVID n; IR (95% CI)	Rate ratio (95% CI)	p-value
Overall AE	128; 178.61 (151.24-208.66)	626; 76.05 (70.42-81.99)	2.35 (1.93-2.84)	<0.001
post-first vaccination¹	88; 1584.45 (Not calculable ⁷)	432; 667.07 (629.31-703.31)	2.38 (1.87-2.99)	<0.001
post-second vaccination²	3; 59.89 (12.52-165.19)	83; 148.38 (119.95-180.58)	0.4 (0.08-1.22)	0.1397
post-booster vaccination³	0; 0 (0-189.41)	15; 64.19 (36.37-103.67)	0 (0-3.71)	0.6742
Severe AE	2; 2.79 (0.34-10.04)	34; 4.13 (2.86-5.77)	0.68 (0.08-2.64)	0.8825
post-first vaccination	1; 18.01 (0.46-96.29)	10; 15.44 (7.43-28.21)	1.17 (0.03-8.2)	>0.999
post-second vaccination	0; 0 (0-70.99)	1; 1.79 (0.05-9.92)	0 (0-435.51)	>0.999
post-booster vaccination³	0; 0 (0-189.41)	0; 0 (0-15.66)	Not calculable	>0.999
Localised	3; 4.19 (0.86-12.18)	15; 1.82 (1.02-3)	2.3 (0.43-8.12)	0.3412
post-first vaccination	3; 54.02 (11.28-149.84)	11; 16.99 (8.51-30.19)	3.18 (0.57-12.04)	0.1861
post-second vaccination	0; 0 (0-70.99)	1; 1.79 (0.05-9.92)	0 (0-435.51)	>0.999
post-booster vaccination³	0; 0 (0-189.41)	2; 8.56 (1.04-30.58)	0 (0-70.82)	>0.999
Severe localised	0; 0 (0-5.13)	1; 0.12 (0-0.68)	0 (0-447.94)	>0.999
post-first vaccination	0; 0 (0-64.26)	1; 1.54 (0.04-8.57)	0 (0-454.75)	>0.999
post-second vaccination	0; 0 (0-70.99)	0; 0 (0-6.57)	Not calculable	>0.999
post-booster vaccination³	0; 0 (0-189.41)	0; 0 (0-15.66)	Not calculable	>0.999
Systemic	125; 174.43 (147.33-204.23)	611; 74.23 (68.66-80.11)	2.35 (1.92-2.85)	<0.001
post-first vaccination	85; 1530.44 (Not calculable)	421; 650.09 (611.96-686.84)	2.35 (1.84-2.98)	<0.001
post-second vaccination	3; 59.89 (12.52-165.19)	82; 146.59 (118.32-178.66)	0.41 (0.08-1.24)	0.1476
post-booster vaccination³	0; 0 (0-189.41)	13; 55.64 (29.95-93.26)	0 (0-4.36)	0.7794
Severe systemic	2; 2.79 (0.34-10.04)	34; 4.13 (2.86-5.77)	0.68 (0.08-2.64)	0.8825
post-first vaccination	1; 18.01 (0.46-96.29)	10; 15.44 (7.43-28.21)	1.17 (0.03-8.2)	>0.999
post-second vaccination	0; 0 (0-70.99)	1; 1.79 (0.05-9.92)	0 (0-435.51)	>0.999
post-booster vaccination³	0; 0 (0-189.41)	0; 0 (0-15.66)	Not calculable	>0.999

¹ Includes AEs occurring 28 days post-first vaccination; ² Includes AEs occurring 28 days post-second vaccination; ³ Includes AEs occurring 28 days post-booster vaccination; ⁴n: number of adverse events; ⁵IR: Incidence rate; ⁶CI: Confidence interval; ⁷The confidence interval is not calculable as there are more events than total person-years or a ratio is not calculable if there are 0 events in participants with no prior COVID.