

Table S3. Secondary attack rates and adjusted relative risks by sex, age and vaccination status of index cases with Omicron variant in the South Korea

Characteristic	Omicron				
	Index cases	Household transmission			
		Total (%)	Total (%)	Confirmed, SAR (%)	Crude RR (95% CI)
Total	760 (100)	1,663 (100)	495 (29.8)	-	-
Sex					
Male	327 (43.0)	729 (43.8)	214 (29.4)	Reference	Reference
Female	433 (57.0)	934 (56.2)	281 (30.1)	1.04 (0.84–1.28)	1.06 (0.84–1.33)
Age (y)					
≤ 19	244 (32.1)	596 (35.8)	178 (29.9)	0.72 (0.56–0.92)	0.49 (0.35–0.67)
20–29	168 (22.1)	335 (20.1)	63 (18.8)	0.39 (0.28–0.54)	0.44 (0.31–0.64)
30–49	249 (32.8)	526 (31.6)	196 (37.3)	Reference	Reference
50–74	95 (12.5)	201 (12.1)	56 (27.9)	0.65 (0.46–0.93)	0.68 (0.46–1.01)
≥ 75	4 (0.5)	5 (0.3)	2 (40.0)	1.12 (0.19–6.78)	3.07 (0.41–22.96)
Vaccination status					
Unvaccinated	222 (29.2)	526 (31.6)	193 (36.7)	Reference	Reference
1 Dose					
1 mRNA	16 (2.1)	38 (2.3)	13 (34.2)	0.90 (0.45–1.80)	0.73 (0.36–1.50)
2 Dose					
mRNA (≤ 90 d)	180 (23.7)	368 (22.1)	76 (20.7)	0.45 (0.33–0.61)	0.36 (0.25–0.51)
mRNA (> 90 d)	283 (37.2)	620 (37.3)	199 (32.1)	0.82 (0.64–1.04)	0.73 (0.53–1.01)
3 Dose					
3 mRNA	59 (7.8)	111 (6.7)	14 (12.6)	0.25 (0.14–0.45)	0.22 (0.11–0.42)

SAR, secondary attack rate; RR, relative risk; aRR, adjusted RR; CI, confidence interval.

^{a)}Adjusted by variant, sex, age, vaccine status, date of diagnosis date of index cases and household contacts.