

Table S1. Secondary attack rates and adjusted relative risks by sex, age and vaccination status of index cases in the South Korea

| Characteristic | Total | | | | |
|--------------------|--------------|------------------------|--------------------|-------------------|----------------------------|
| | Index cases | Household transmission | | | |
| | Total (%) | Total (%) | Confirmed, SAR (%) | Crude RR (95% CI) | aRR (95% CI) ^{a)} |
| Total | 4,450 (100) | 10,382 (100) | 2,877 (27.7) | - | - |
| Sex | | | | | |
| Male | 2,142 (48.1) | 5,157 (49.7) | 1,425 (27.6) | Reference | Reference |
| Female | 2,308 (51.9) | 5,225 (50.3) | 1,452 (27.8) | 1.01 (0.93–1.10) | 0.99 (0.90–1.08) |
| Age (y) | | | | | |
| ≤ 19 | 1,812 (40.7) | 4,800 (46.2) | 1,286 (26.8) | 0.78 (0.70–0.86) | 0.62 (0.54–0.70) |
| 20–29 | 577 (13.0) | 1,171 (11.3) | 266 (22.7) | 0.63 (0.53–0.73) | 0.77 (0.65–0.92) |
| 30–49 | 1,287 (28.9) | 2,903 (28.0) | 928 (32.0) | Reference | Reference |
| 50–74 | 704 (15.8) | 1,393 (13.4) | 353 (25.3) | 0.72 (0.63–0.83) | 0.92 (0.79–1.08) |
| ≥ 75 | 70 (1.6) | 115 (1.1) | 44 (38.3) | 1.32 (0.90–1.94) | 1.87 (1.23–2.84) |
| Vaccination status | | | | | |
| Unvaccinated | 2,412 (54.2) | 5,948 (57.3) | 1,833 (30.8) | Reference | Reference |
| 1 Dose | | | | | |
| 1 mRNA | 211 (4.7) | 477 (4.6) | 119 (24.9) | 0.75 (0.60–0.93) | 0.68 (0.54–0.87) |
| 2 Dose | | | | | |
| mRNA (≤ 90 d) | 917 (20.6) | 2,030 (19.6) | 450 (22.2) | 0.64 (0.57–0.72) | 0.56 (0.48–0.65) |
| mRNA (> 90 d) | 823 (18.5) | 1,758 (16.9) | 452 (25.7) | 0.78 (0.69–0.88) | 0.68 (0.58–0.79) |
| 3 Dose | | | | | |
| 3 mRNA | 87 (2.0) | 169 (1.6) | 23 (13.6) | 0.35 (0.23–0.55) | 0.28 (0.18–0.46) |

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.