

**Supplementary Table 1. Subgroup analysis for metabolic syndrome according to the sex, stratified by COVID-19 outbreak**

| Variable           | Before COVID-19    |                      |                   |                      | After COVID-19     |                      |                   |                      |
|--------------------|--------------------|----------------------|-------------------|----------------------|--------------------|----------------------|-------------------|----------------------|
|                    | Male <sup>a)</sup> | Female <sup>a)</sup> | OR (95% CI)       | <i>p</i> interaction | Male <sup>a)</sup> | Female <sup>a)</sup> | OR (95% CI)       | <i>p</i> interaction |
| Age (yr)           |                    |                      |                   | < 0.001              |                    |                      |                   | < 0.001              |
| < 65               | 1,116/3,453        | 594/3,581            | 0.42 (0.37-0.47)* |                      | 1,007/2,956        | 533/2,990            | 0.42 (0.37-0.47)* |                      |
| ≥ 65               | 350/768            | 293/570              | 1.26 (1.02-1.57)* |                      | 334/704            | 242/477              | 1.14 (0.90-1.44)  |                      |
| Education level    |                    |                      |                   | < 0.001              |                    |                      |                   | < 0.001              |
| < University       | 889/2,348          | 717/2,439            | 0.68 (0.61-0.77)* |                      | 826/2,069          | 581/1,973            | 0.63 (0.55-0.72)* |                      |
| ≥ University       | 577/1,873          | 170/1,712            | 0.25 (0.21-0.30)* |                      | 515/1,591          | 194/1,494            | 0.31 (0.26-0.38)* |                      |
| Household income   |                    |                      |                   | < 0.001              |                    |                      |                   | < 0.001              |
| 1st & 2nd quartile | 560/1,569          | 490/1,617            | 0.78 (0.68-0.91)* |                      | 501/1,251          | 387/1,179            | 0.73 (0.62-0.86)* |                      |
| 3rd & 4th quartile | 906/2,652          | 397/2,534            | 0.36 (0.31-0.41)* |                      | 840/2,409          | 388/2,288            | 0.38 (0.33-0.44)* |                      |
| Smoking            |                    |                      |                   | < 0.001              |                    |                      |                   | < 0.001              |
| Never              | 260/946            | 765/3,519            | 0.73 (0.62-0.86)* |                      | 239/869            | 659/2,935            | 0.76 (0.64-0.91)* |                      |
| Not never          | 1,206/3,275        | 122/632              | 0.41 (0.33-0.51)* |                      | 1,102/2,791        | 116/532              | 0.43 (0.34-0.53)* |                      |
| High-risk drinking |                    |                      |                   | < 0.001              |                    |                      |                   | < 0.001              |
| No                 | 474/1,647          | 628/2,726            | 0.74 (0.65-0.85)* |                      | 452/1,424          | 564/2,311            | 0.69 (0.60-0.80)* |                      |
| Yes                | 992/2,574          | 259/1,425            | 0.35 (0.30-0.41)* |                      | 889/2,236          | 211/1,156            | 0.34 (0.29-0.40)* |                      |
| Physical activity  |                    |                      |                   | 0.797                |                    |                      |                   | 0.557                |
| No                 | 622/1,679          | 376/1,607            | 0.52 (0.45-0.60)* |                      | 585/1,488          | 326/1,294            | 0.52 (0.44-0.61)* |                      |
| Yes                | 844/2,542          | 511/2,544            | 0.51 (0.45-0.57)* |                      | 756/2,172          | 449/2,173            | 0.49 (0.43-0.56)* |                      |

OR, odds ratios; CI, confidence interval.

<sup>a)</sup>No. of patients with MetS/total no (%).

\*Indicates statistical significance.