**Supplementary Table 2. Associations between depression status and WHPD in different subgroups**

| Subgroups, hours/day (no) | WHPD | Crude (OR 95% CI) | Adjusted (OR 95% CI) | p for interaction |
|---------------------------|------|-------------------|----------------------|------------------|
| Gender                    |      |                   |                      |                  |
| Male                      |      | 1.36 (1.07, 1.73) | 1.36 (1.05, 1.77) | 0.9616           |
| Female                    |      | 1.37 (1.22, 1.54) | 1.39 (1.23, 1.57) |                  |
| Age                       |      |                   |                      | 0.8173           |
| <30 y                     |      | 1.34 (1.12, 1.61) | 1.36 (1.12, 1.65) |                  |
| ≥30 y                     |      | 1.37 (1.21, 1.56) | 1.40 (1.22, 1.60) |                  |
| Relative or friends got COVID-19 | |     |                      |                  |
| No                        |      | 1.34 (1.20, 1.50) | 1.34 (1.19, 1.51) | 0.7259           |
| Yes                       |      | 1.47 (1.13, 1.91) | 1.38 (1.04, 1.83) |                  |
| Location                  |      |                   |                      | 0.0102           |
| Other cities              |      | 1.47 (1.29, 1.68) | 1.48 (1.29, 1.70) |                  |
| Wuhan                     |      | 1.18 (0.98, 1.41) | 1.08 (0.89, 1.32) |                  |
| Occupation                |      |                   |                      | 0.2262           |
| Doctors                   |      | 1.21 (1.03, 1.42) | 1.21 (1.03, 1.43) |                  |
| Nurses                    |      | 1.55 (1.28, 1.88) | 1.51 (1.23, 1.86) |                  |
| Others                    |      | 1.38 (1.12, 1.70) | 1.40 (1.12, 1.74) |                  |
| Protection                |      |                   |                      | 0.9786           |
| Well                      |      | 1.44 (1.11, 1.87) | 1.32 (1.01, 1.71) |                  |
| Normal                    |      | 1.34 (1.16, 1.56) | 1.33 (1.14, 1.56) |                  |
| Poor                      |      | 1.37 (1.15, 1.62) | 1.38 (1.15, 1.65) |                  |
| Patients exposure         |      |                   |                      | 0.7877           |
| No                        |      | 1.39 (1.21, 1.59) | 1.36 (1.18, 1.57) |                  |
| Yes                       |      | 1.36 (1.18, 1.57) | 1.33 (1.11, 1.58) |                  |
| Isolation                 |      |                   |                      | 0.3756           |
| No                        |      | 1.35 (1.14, 1.58) | 1.26 (1.06, 1.51) |                  |
| Yes                       |      | 1.39 (1.21, 1.60) | 1.40 (1.22, 1.61) |                  |