**Supplementary Table 1.** The association between the socioeconomic/lifestyle factors and major depressive disorder in male (POR)

| | Age (year) | | Education (year) | | BMI (kg/m$^2$) | | Stress* | |
|---|---|---|---|---|---|---|---|---|
| | <50 | ≥50 | <12 | ≥12 | <25 | ≥25 | Low | High |
| Current smoking | 1.17 (0.71−1.92) | 0.80 (0.53−1.21) | 0.96 (0.65−1.41) | 1.18 (0.61−2.26) | 0.86 (0.57−1.30) | 1.17 (0.69−1.99) | 1.06 (0.68−1.67) | 0.96 (0.60−1.55) |
| Current drinking | 0.54 (0.28−1.05) | 0.81 (0.54−1.20) | 0.71 (0.47−1.07) | 0.78 (0.29−2.15) | 0.60 (0.37−0.97) | 0.85 (0.45−1.62) | 0.84 (0.54−1.31) | 0.57 (0.29−1.14) |
| ≥15 (g/day) | 0.98 (0.55−1.75) | 0.90 (0.58−1.39) | 0.91 (0.60−1.38) | 1.09 (0.52−2.28) | 0.70 (0.43−1.16) | 1.29 (0.73−2.26) | 0.98 (0.59−1.61) | 0.93 (0.54−1.62) |
| Exercise (yes) | 1.02 (0.61−1.68) | 0.92 (0.60−1.42) | 0.96 (0.64−1.43) | 1.09 (0.56−2.11) | 1.30 (0.85−1.99) | 0.65 (0.36−1.15) | 0.97 (0.62−1.53) | 1.02 (0.62−1.68) |
| Total energy intake (IQR) | 1.12 (0.79−1.57) | 1.02 (0.78−1.34) | 1.15 (0.89−1.49) | 0.99 (0.59−1.64) | 1.08 (0.82−1.44) | 1.08 (0.74−1.57) | 1.21 (0.90−1.63) | 0.97 (0.67−1.38) |
| Sleeping time (hour/day)† | | | | | | | | |
| ≤6 | 0.92 (0.54−1.57) | 1.28 (0.85−1.92) | 1.10 (0.75−1.62) | 1.13 (0.58−2.23) | 1.26 (0.82−1.94) | 0.91 (0.54−1.54) | 1.16 (0.76−1.78) | 1.02 (0.61−1.69) |
| ≥9 | 2.68 (1.33−5.37) | 1.57 (0.85−2.90) | 1.67 (0.96−2.90) | 4.58 (1.79−11.70) | 2.98 (1.69−5.23) | 1.20 (0.50−2.90) | 1.54 (0.77−3.08) | 2.78 (1.38−5.62) |

*self-recognition of stress, †ref=7−8 (hour/day). BMI: body mass index, IQR: inter quartile range, POR: prevalence odds ration after adjusted for sex, age, married status, education level, occupation, family income, residence area, BMI, self-recognition of stress, and non-communicable disease