### Supplementary Table 2. Sensitivity analysis on the association of depression within 3 years before dyslipidemia diagnosis on cardiovascular disease among those with statin medication possession ratio of 0.5 or higher

| Variable            | Total     |       |       |       |       |       |       |
|---------------------|-----------|-------|-------|-------|-------|-------|-------|
|                     | No depression | Depression | No depression | Depression | No depression | Depression |       |
| Cardiovascular disease |           |       |       |       |       |       |       |
| Events              | 1,843     | 95    | 903   | 28    | 940   | 67    |       |
| Person-years        | 128,390   | 4,932 | 57,593 | 1,316 | 70,796 | 3,616 |       |
| aHR (95% CI)        | 1.00 (reference) | 1.28 (1.04–1.58) | 1.00 (reference) | 1.16 (0.79–1.69) | 1.00 (reference) | 1.35 (1.05–1.73) |       |
| Coronary heart disease |           |       |       |       |       |       |       |
| Events              | 1,034     | 54    | 569   | 17    | 465   | 37    |       |
| Person-years        | 128,390   | 4,932 | 57,593 | 1,316 | 70,796 | 3,616 |       |
| aHR (95% CI)        | 1.00 (reference) | 1.35 (1.02–1.78) | 1.00 (reference) | 1.12 (0.69–1.82) | 1.00 (reference) | 1.50 (1.07–2.11) |       |
| Stroke              |           |       |       |       |       |       |       |
| Events              | 838       | 42    | 350   | 11    | 488   | 31    |       |
| Person-years        | 128,390   | 4,932 | 57,593 | 1,316 | 70,796 | 3,616 |       |
| aHR (95% CI)        | 1.00 (reference) | 1.20 (0.88–1.64) | 1.00 (reference) | 1.18 (0.65–2.16) | 1.00 (reference) | 1.20 (0.83–1.73) |       |

aHR, adjusted hazard ratio; CI, confidence interval.

*Hazard ratio calculated by Cox proportional hazards regression analysis after adjustments for age, sex, household income, smoking, physical activity, alcohol consumption, body mass index, systolic blood pressure, total cholesterol, fasting serum glucose, statin compliance, Charlson comorbidity index, and index year.*