|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Cumulative incident depression at both wave 2 and wave 3 | | | | |
|  | Model | Overall sample adjusted for sex | Males | Females |
| Conditional changes of 25(OH)D level at T1 |  |  |  |  |
|  | Unadjusted | 1.02(0.99, 1.05) | 1.02(0.98, 1.06) | 1.02(0.98, 1.07) |
|  | Adjusted | 1.03(0.99, 1.06) | 1.03(0.99, 1.07) | 1.03(0.99, 1.07) |

**Supplementary Table 7**. RR and 95%CI for the association between conditional changes of vitamin D status and cumulative incident depression at two-year follow-up (n=802)

Adjusted model included covariates: age at wave 1, only child status, family structure, self-perceived family economic status, BMI at wave 1, physical activity at wave 1 and self-perceived puberty timing at wave 1.