**Supplementary Table 10**. OR and 95%CI for the association between trajectories of

vitamin D status and cumulative incident depression at a two-year follow-up

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Overall sample  adjusted for sex | | Males | | Females | |
| Unadjusted | Adjusted | Unadjusted | Adjusted | Unadjusted | Adjusted |
| No VDD | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| New VDD | 0.88(0.61, 1.26) | 0.87(0.60, 1.26) | 0.93(0.58,1.46) | 0.91(0.57, 1.46) | 0.79(0.43, 1.46) | 0.78(0.42, 1.49) |
| Remitted VDD | **1.99(1.03, 3.87)** | **2.28(1.15, 4.54)** | **2.43(1.06,5.59)** | **3.02(1.24, 7.33)** | **1.42(0.48, 4.20)** | **1.44(0.48, 4.37)** |
| Persistent VDD | 1.09(0.73, 1.62) | 1.10(0.73, 1.65) | 1.08(0.64,1.83) | 1.14(0.67, 1.96) | 1.05(0.55, 1.98) | 1.08(0.56, 2.08) |

(n=1512)

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.