# Additional file 2: Figure S5a-c

**Figure S5a**

Title: Association between redeeming prescriptions of sedatives and mental health among the young



Legend: Forest plot of hazard ratio (HR) for redeeming prescriptions of sedatives adjusted for covariates with 95% confidence intervals (CI) for the young (16–29 years of age) from the North Denmark Region Health Survey 2010 [24]. n=2,731. The unadjusted estimated HR was 2.1, 95% CI 1.29–3.35.

**Figure S5b**

Title: Association between redeeming prescriptions of sedatives and mental health among the adults



Legend: Forest plot of hazard ratio (HR) for redeeming prescriptions of sedatives adjusted for covariates with 95% confidence intervals (CI) for the adults (30–59 years of age) from the North Denmark Region Health Survey 2010 [24]. n=8,739. The unadjusted estimated HR was 1.9 95% CI 1.50–2.43.

**Figure S5c**

Title: Association between redeeming prescriptions of sedatives and mental health among the elderly



Legend: Forest plot of hazard ratio (HR) for redeeming prescriptions of sedatives adjusted for covariates (sex, ethnicity, marital status, education level, smoking and physical activity) with 95% confidence intervals (CI) for the elderly (≥60 years of age) from the North Denmark Region Health Survey 2010 [24]. n=4,763. The unadjusted estimated HR was 1.5, 95% CI 1.11–2.14.