**Supplementary Table 1: Association between sleep disruption dichotomized and prostate cancer in the Health Professionals Follow-up Study, 2004-2010**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Waking up during the night | Difficulty falling asleep | Waking up too early | Feeling rested upon wakening |
|  | **Never** | **Sometimes/Always** | **Never** | **Sometimes/Always** | **Never** | **Sometimes/Always** | **Always** | **Sometimes/Never** |
| All Prostate Cancer |  |  |  |  |  |  |  |  |
| Age-Adjusted RR(95% CI) | Ref. | 1.00 (0.87-1.16) | Ref. | 0.91 (0.78-1.06) | Ref. | 1.02 (0.89-1.16) | Ref. | 0.91 (0.78-1.05) |
| Multivariable-Adjusted RR(95% CI) | Ref. | 1.01 (0.87-1.17) | Ref. | 0.93 (0.80-1.08) | Ref. | 1.03 (0.90-1.17) | Ref. | 0.93 (0.80-1.08) |
| Lethal Prostate Cancer |  |  |  |  |  |  |  |  |
| Age-Adjusted RR(95% CI) | Ref. | 1.26 (0.65-2.44) | Ref. | 1.30 (0.72-2.36) | Ref. | 0.90 (0.51-1.60) | Ref. | 1.38 (0.76-2.51) |
| Multivariable-Adjusted RR(95% CI) | Ref. | 1.43 (0.71-2.86) | Ref. | 1.41 (0.75-2.66) | Ref. | 1.02 (0.56-1.87) | Ref. | 1.67 (0.88-3.18) |
| Advanced Prostate Cancer |  |  |  |  |  |  |  |  |
| Age-Adjusted RR(95% CI) | Ref. | 0.87 (0.52-1.46) | Ref. | 0.93 (0.54-1.57) | Ref. | 0.79 (0.49-1.28) | Ref. | 1.13 (0.68-1.89) |
| Multivariable-Adjusted RR(95% CI) | Ref. | 0.93 (0.54-1.57) | Ref. | 0.96 (0.55-1.68) | Ref. | 0.84 (0.51-1.39) | Ref. | 1.21 (0.71-2.08) |
| Grade 8-10 Prostate Cancer |  |  |  |  |  |  |  |  |
| Age-Adjusted RR(95% CI) | Ref. | 1.36 (0.89-2.08) | Ref. | 0.94 (0.63-1.39) | Ref. | 1.07 (0.75-1.53) | Ref. | 0.91 (0.61-1.37) |
| Multivariable-Adjusted RR(95% CI) | Ref. | 1.35 (0.88-2.08) | Ref. | 0.96 (0.63-1.44) | Ref. | 1.10 (0.77-1.58) | Ref. | 0.90 (0.59-1.37) |