**SDC 1**

Supplementary Table. Prevalence ratios (PRs) and 95% confidence intervals (CIs) of prevalent nocturia for men with and without other BPH-related outcomes by current PA; Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | None | | < 1 hr/wk | | 1 hr/wk | | 2 hr/wk | | 3 hr/wk | | ≥4 hr/wk | | p-trend | ≥ 1 hr/wk | |
|  | PR | 95% CI | PR | 95% CI | PR | 95% CI | PR | 95% CI | PR | 95% CI | PR | 95% CI | PR | 95% CI |
| Nocturia with other BPH  related outcomes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Age-adjusted | 1.00 | Ref | 0.90 | 0.84, 0.97 | 0.95 | 0.87, 1.02 | 0.90 | 0.84, 0.97 | 0.91 | 0.84, 0.98 | 0.93 | 0.87, 1.00 | 0.17 | 0.92 | 0.87, 0.98 |
| Also adjusted for current BMI | 1.00 | Ref | 0.91 | 0.84, 0.97 | 0.96 | 0.89, 1.04 | 0.92 | 0.86, 1.00 | 0.93 | 0.87, 1.01 | 0.97 | 0.91, 1.03 | 0.95 | 0.95 | 0.90, 1.01 |
| No. of cases | 1059 | | 1097 | | 762 | | 994 | | 959 | | 1781 | |  | 4496 | |
| Severe nocturia with other BPH related outcomes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Age-adjusted | 1.00 | Ref | 0.73 | 0.64, 0.84 | 0.68 | 0.58, 0.81 | 0.69 | 0.59, 0.80 | 0.62 | 0.53, 0.73 | 0.67 | 0.59, 0.76 | <0.0001 | 0.67 | 0.60, 0.74 |
| Also adjusted for current BMI | 1.00 | Ref | 0.74 | 0.64, 0.86 | 0.70 | 0.60, 0.83 | 0.72 | 0.62, 0.83 | 0.65 | 0.56, 0.76 | 0.72 | 0.63, 0.82 | <0.0001 | 0.70 | 0.63, 0.78 |
| No. of cases | 383 | | 321 | | 199 | | 275 | | 239 | | 468 | |  | 1181 | |
| Nocturia only |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Age-adjusted | 1.00 | Ref | 0.97 | 0.86, 1.11 | 0.82 | 0.70, 0.95 | 0.81 | 0.70, 0.93 | 0.79 | 0.69, 0.92 | 0.85 | 0.75, 0.96 | 0.0005 | 0.82 | 0.74, 0.91 |
| Also adjusted for current BMI | 1.00 | Ref | 0.99 | 0.87, 1.12 | 0.84 | 0.72, 0.98 | 0.86 | 0.75, 0.99 | 0.85 | 0.74, 0.98 | 0.93 | 0.82, 1.05 | 0.08 | 0.88 | 0.79, 0.98 |
| No. of cases | 395 | | 455 | | 247 | | 332 | | 305 | | 581 | |  | 1465 | |
| Severe Nocturia only |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Age-adjusted | 1.00 | Ref | 0.85 | 0.66, 1.11 | 0.61 | 0.44, 0.84 | 0.70 | 0.53, 0.93 | 0.59 | 0.44, 0.80 | 0.57 | 0.44, 0.74 | <0.0001 | 0.61 | 0.49, 0.76 |
| Also adjusted for current BMI | 1.00 | Ref | 0.88 | 0.68, 1.14 | 0.64 | 0.46, 0.89 | 0.77 | 0.58, 1.02 | 0.66 | 0.49, 0.89 | 0.66 | 0.51, 0.85 | <0.0001 | 0.68 | 0.55, 0.84 |
| No. of cases | 110 | | 110 | | 51 | | 80 | | 64 | | 111 | |  | 306 | |

BMI: body mass index; BPH: benign prostatic hyperplasia CI: Confidence Interval; hr/wk: hour per week; PA: Physical activity; PR: prevalence ratio