**Supplemental Table 1**. Multivariable-adjusted odds ratios of suicide among participants in Nurses’ Health Study and Nurses’ Health Study II across quintiles of total photoperiod and extreme differences in photoperiod during maternal pregnancy

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| --- | --- |
|  | QUINTILES OF TOTAL PHOTOPERIOD DURING MATERNAL PREGNANCY |
|  | Tertile 1(3,235 hours) | Tertile 2(3,419 hours) | Tertile 3(3,603 hours) | p-trend |
| Cases of suicide (%) | 35 (0.07%) | 41 (0.08%) | 32 (0.06%) |  |
| Multivariable-adjusted OR, 95% CI a | 1.00 (ref) | 1.17(0.75, 1.84) | 0.94(0.58, 1.52) | 0.78 |
|  | QUINTILES OF EXTREME DIFFERENCES IN PHOTOPERIOD DURING MATERNAL PREGNANCY |
|  | Tertile 1(5.13 hours) | Tertile 2(5.78 hours) | Tertile 3(6.02 hours) | p-trend |
| Cases of suicide (%) | 42 (0.08%) | 32 (0.06%) | 34 (0.06%) |  |
| Multivariable-adjusted OR, 95% CI a | 1.00 (ref) | 0.83(0.52, 1.32) | 0.86(0.55, 1.36) | 0.44 |

Abbreviations: CI=confidence interval; OR=odds ratio

a Models are adjusted for birth year (≤1925, 1926-1930, 1931-1935, 1936-1940, ≥1941 in NHS, and ≤1945, 1946-1950, 1951-1955, ≥1956 in NHS II), race (white, black, other), hair color (dark brown, light brown, black, blond, red, missing), parent’s home ownership at birth (yes, no, missing), mother’s occupation in childhood (professional/executive, sales/clerical, craftsman/service, laborer/farmer/military, stay at home parent, missing), father’s occupation in childhood (professional/executive, sales/clerical, craftsman/service, laborer/farmer/military, stay at home parent, missing), mother’s smoking status during pregnancy (yes, no, missing), birth weight (<5.5, 5.5-6.9, 7-8.4, 8.5+ pounds, missing), and breastfeeding (yes, no, missing).