**Supplementary Table 19. Joint associations of remote a and recent b period durationof statin use with colorectal cancer risk in the pooled NHS and HPFS**

|  |  |  |
| --- | --- | --- |
| **NHS+HPFS (Pooled)** | **Joint Associations According to Duration of Statin Use and Timing** | ***P*-interaction** f |
| **Low to Low** e | **Low to High** e | **High to Low** e | **High to High** e |
| No. of cases (880 in total)  | 646 | 182 | 5 | 47 |  |
| Age-adjusted c | 1 [Ref] | 0.97 (0.82-1.14) | 0.71 (0.29-1.74) | 1.33 (0.98-1.81) | .17 |
| MV (including screening and hypercholesterolemia) d | 1 | 0.91 (0.76-1.10) | 0.69 (0.28-1.69) | 1.23 (0.89-1.69) | .17 |

Abbreviations: NHS, Nurses’ Health Study; HPFS, Health Professionals Follow-up Study; MV, multivariate.

a Remote period duration of statin use: duration of regular statin use during every specific remote period (>10 years before every follow-up period, i.e. begin from 1994 (NHS) and 1990 (HPFS), and then was extended by every 2-year subsequent interval at a time, until 2004).

b Recent period duration of statin use: duration of regular statin use during every specific subsequent 10-year period after the remote periods.

c Stratified by age and follow-up cycle in the follow-up period.

d Stratified by age and follow-up cycle; adjusted for sex, race, pack-years of smoking, physical activity, BMI, alcohol consumption, AHEI, regular use of aspirin, family history of colorectal cancer, history of diabetes mellitus, history of hypercholesterolemia, screening colonoscopy or sigmoidoscopy, multivitamin use, total calorie intake, red or processed meat intake, fiber intake, folate intake, calcium intake, and vitamin D intake in the follow-up period.

e Remote period duration of statin use and recent period duration of statin use were dichotomized into low category (≤5 years) versus high category (>5 years), resulting in four categories (low to low, low to high, high to low, and high to high, i.e. low remote to low recent, low remote to high recent, high remote to low recent, and high remote to high recent duration of statin use).

f *P*-value for interaction was calculated using the multiplication of mid-point of each low/high category of duration of statin use in years.