**ONLINE SUPPORTING MATERIAL**

**Supplemental Table S2.** Multivariable-adjustedassociation between daily dietary carbohydrate intake and ovarian cancer risk in AACES

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Cases | | Controls | | Model 2\*  + Total fat intake†  (g/1, 000 kcal) | |
|  | *n* | (%) | *n* | (%) | OR | (95% CI) |
| Total carbohydrate, g/1,000kcal |  |  |  |  |  |  |
| Q1 (≤106.9) | 83 | (20.4) | 153 | (25.1) | 1.00 | |
| Q2 (107.0-120.1) | 105 | (25.9) | 153 | (25.1) | 1.49 | (0.99-2.25) |
| Q3 (120.2-133.1) | 97 | (23.9) | 152 | (25.0) | 1.45 | (0.90-2.34) |
| Q4 (≥133.2) | 121 | (29.8) | 151 | (24.8) | 2.22 | (1.23-4.00) |
| *p* for trend |  | -- |  | -- | 0.01 | |
| Per 30 g/1,000 kcal‡ |  | -- |  | -- | 2.25 | (1.51-3.34) |
| Total sugars, g/1,000kcal |  |  |  |  |  |  |
| Q1 (≤ 48.2) | 92 | (22.7) | 153 | (25.1) | 1.00 | |
| Q2 (48.3-60.9) | 96 | (23.7) | 152 | (25.0) | 1.09 | (0.74-1.62) |
| Q3 (61.0-72.7) | 81 | (20.0) | 152 | (25.0) | 1.00 | (0.65-1.53) |
| Q4 (≥72.8) | 137 | (33.7) | 152 | (25.0) | 1.90 | (1.19-3.03) |
| *p* for trend |  | -- |  | -- | 0.005 | |
| Per 20 g/1,000 kcal‡ |  | -- |  | -- | 1.37 | (1.16-1.64) |
| Fructose |  |  |  |  |  |  |
| Q1 (≤10.1) | 89 | (21.9) | 153 | (25.1) | 1.00 | |
| Q2 (10.2-14.8) | 98 | (24.1) | 153 | (25.1) | 1.12 | (0.76-1.64) |
| Q3 (14.9-20.0) | 102 | (25.1) | 151 | (24.8) | 1.18 | (0.79-1.78) |
| Q4 (≥20.1) | 117 | (28.8) | 152 | (25.0) | 1.47 | (0.95-2.28) |
| *p* for trend |  | -- |  | -- | 0.08 | |
| Per 10 g/1,000 kcal‡ |  | -- |  | -- | 1.31 | (1.08-1.59) |
| Sucrose |  |  |  |  |  |  |
| Q1 (≤ 14.0) | 78 | (19.2) | 153 | (25.1) | 1.00 | |
| Q2 (14.1-19.9) | 116 | (28.6) | 152 | (25.0) | 1.50 | (1.02-2.21) |
| Q3 (20.0-27.5) | 105 | (25.9) | 152 | (25.0) | 1.31 | (0.88-1.96) |
| Q4 (≥27.6) | 107 | (26.4) | 152 | (25.0) | 1.37 | (0.91-2.06) |
| *p* for trend |  | -- |  | -- | 0.34 | |
| Per 10 g/1,000 kcal‡ |  | -- |  | -- | 1.06 | (0.94-1.19) |
| Added sugar, tsp/1,000kcal |  |  |  |  |  |  |
| Q1 (≤ 5.3) | 85 | (20.9) | 153 | (25.1) | 1.00 | |
| Q2 (5.4-7.7) | 92 | (22.7) | 152 | (25.0) | 1.11 | (0.75-1.65) |
| Q3 (7.8-10.9) | 118 | (29.1) | 153 | (25.1) | 1.39 | (0.93-2.06) |
| Q4 (≥11.0) | 111 | (27.3) | 151 | (24.8) | 1.32 | (0.85-2.05) |
| *p* for trend |  | -- |  | -- | 0.18 | |
| Per 6 tsp/1,000 kcal‡ |  | -- |  | -- | 1.22 | (0.98-1.52) |
| Starch, g/1,000kcal |  |  |  |  |  |  |
| Q1 (≤ 42.7) | 122 | (30.1) | 156 | (25.6) | 1.00 | |
| Q2 (42.8-48.8) | 82 | (20.2) | 150 | (24.6) | 0.76 | (0.52-1.10) |
| Q3 (48.9-54.9) | 105 | (25.9) | 151 | (24.8) | 0.85 | (0.60-1.22) |
| Q4 (≥55.0) | 97 | (23.9) | 152 | (25.0) | 0.83 | (0.58-1.19) |
| *p* for trend |  | -- |  | -- | 0.36 | |
| Per 10 g/1,000 kcal‡ |  | -- |  | -- | 0.96 | (0.84-1.08) |
| Total fiber, g/1,000kcal |  |  |  |  |  |  |
| Q1 (≤ 6.5) | 117 | (28.8) | 163 | (26.8) | 1.00 | |
| Q2 (6.6-8.3) | 104 | (25.6) | 142 | (23.3) | 0.85 | (0.59-1.23) |
| Q3 (8.4-10.8) | 86 | (21.2) | 156 | (25.6) | 0.64 | (0.43-0.94) |
| Q4 (≥10.9) | 99 | (24.4) | 148 | (24.3) | 0.77 | (0.52-1.14) |
| *p* for trend |  | -- |  | -- | 0.22 | |
| Per 4 g/1,000 kcal‡ |  | -- |  | -- | 0.87 | (0.75-1.01) |
| Glycemic load, units/1,000kcal |  |  |  |  |  |  |
| Q1 (≤ 50.8) | 83 | (20.4) | 155 | (25.5) | 1.00 | |
| Q2 (50.9-57.9) | 90 | (22.2) | 152 | (25.0) | 1.21 | (0.81-1.82) |
| Q3 (58.0-64.9) | 125 | (30.8) | 150 | (24.6) | 1.70 | (1.11-2.61) |
| Q4 (≥65.0) | 108 | (26.6) | 152 | (25.0) | 1.52 | (0.92-2.51) |
| *p* for trend |  | -- |  | -- | 0.06 | |
| Per 10 units/1,000 kcal‡ |  | -- |  | -- | 1.31 | (1.10-1.56) |
| Glycemic index, units |  |  |  |  |  |  |
| Q1 (≤ 49.9) | 96 | (23.7) | 155 | (25.5) | 1.00 | |
| Q2 (50.0-52.2) | 108 | (26.6) | 152 | (25.0) | 1.17 | (0.81-1.70) |
| Q3 (52.3-54.8) | 103 | (25.4) | 156 | (25.6) | 0.97 | (0.67-1.41) |
| Q4 (≥54.9) | 99 | (24.4) | 146 | (24.0) | 1.05 | (0.72-1.53) |
| *p* for trend |  | -- |  | -- | 0.96 | |
| Per 5 units‡ |  | -- |  | -- | 1.01 | (0.85-1.20) |
| \* Model 2 adjusted for age, education, region, total energy intake, parity, oral contraceptive use, menopause status, tubal ligation, and family history of breast/ovarian cancer (first-degree relative). For added sugar, model additional adjusted for vegetable intake. For fiber, model additional adjusted for alcohol consumption.  † Results were similar if adjusting for saturated fat intake.  ‡ Increment used in continuous analyses based on the difference between 75th and 25th percentile of the control distribution, rounded to one significant digit. | | | | | | |