Supplementary Table 1. Dietary inflammatory index density and risk of reflux oesophagitis, Barrett’s oesophagus and oesophageal adenocarcinoma, stratified by smoking status, FINBAR Study.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Never smokers | | Ever smokers | |  |
|  | Controls/Cases | Adjusted a  OR (95%CI) | Controls/ Cases | Adjusted a  OR (95%CI) | *P* for interaction |
| REFLUX OESOPHAGITIS b |  |  |  |  |  |
| DII density (units/kcal/d)  <-0.12  -0.12- <1.91  ≥1.91 | 20/21  20/44  11/41 | 1.00  0.87 (0.31-2.48)  1.04 (0.33-3.29) | 19/12  20/36  27/60 | 1.00  2.12 (0.76-5.90)  2.57 (0.98-6.72) |  |
| *P* for trend |  | 0.94 |  | 0.07 | 0.58 |
| BARRETT’S OESOPHAGUS |  |  |  |  |  |
| DII density (units/kcal/d)  <0.34  0.34- <1.98  ≥1.98 | 42/25  30/28  28/34 | 1.00  1.26 (0.55-2.91)  1.68 (0.74-3.84) | 42/20  54/48  53/64 | 1.00  1.88 (0.91-3.88)  2.17 (1.05-4.46) |  |
| *P* for trend |  | 0.22 |  | 0.04 | 0.76 |
| OESOPHAGEAL ADENOCARCINOMA | |  |  |  |  |
| DII density (units/kcal/d)  <0.34  0.34- <1.98  ≥1.98 | 42/9  30/14  28/22 | 1.00  2.64 (0.87-8.00)  4.77 (1.62-14.05) | 42/35  54/55  53/84 | 1.00  1.42 (0.73-2.77)  2.01 (1.05-3.86) |  |
| *P* for trend |  | 0.005 |  | 0.03 | 0.58 |

a Adjusted for age (years), sex, energy intake, BMI 5 years prior, education (years), occupation (manual/non-manual), alcohol (g/d), regular NSAID use (ever/never), *Helicobacter pylori* infection (seropositive/seronegative) and location (Northern Ireland/Republic of Ireland).

b Analysis limited to Northern Ireland controls only.

Supplementary Table 2. Dietary inflammatory index density and risk of reflux oesophagitis, Barrett’s oesophagus and oesophageal adenocarcinoma, stratified by body mass index five years prior to interview, FINBAR Study.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | BMI<25 kg/m2 | | BMI≥25 kg/m2 | |  |
|  | Controls/Cases | Adjusted a  OR (95%CI) | Controls/ Cases | Adjusted a  OR (95%CI) | *P* for interaction |
| REFLUX OESOPHAGITIS b |  |  |  |  |  |
| DII density (units/kcal/d)  <-0.12  -0.12- <1.91  ≥1.91 | 12/7  13/21  14/26 | 1.00  0.88 (0.18-4.29)  1.10 (0.24-5.03) | 27/27  27/61  26/77 | 1.00  1.74 (0.78-3.90)  2.25 (0.99-5.09) |  |
| *P* for trend |  | 0.85 |  | 0.06 | 0.92 |
| BARRETT’S OESOPHAGUS |  |  |  |  |  |
| DII density (units/kcal/d)  <0.34  0.34- <1.98  ≥1.98 | 22/8  27/27  30/39 | 1.00  3.00 (1.02-8.79)  3.61 (1.15-11.34) | 63/37  59/49  55/60 | 1.00  1.57 (0.84-2.94)  1.79 (0.97-3.31) |  |
| *P* for trend |  | 0.04 |  | 0.07 | 0.31 |
| OESOPHAGEAL ADENOCARCINOMA | |  |  |  |  |
| DII density (units/kcal/d)  <0.34  0.34- <1.98  ≥1.98 | 22/8  27/13  30/30 | 1.00  1.48 (0.42-5.21)  2.00 (0.59-6.81) | 63/37  59/58  55/78 | 1.00  1.68 (0.90-3.14)  2.33 (1.26-4.27) |  |
| *P* for trend |  | 0.27 |  | 0.007 | 0.88 |

a Adjusted for age (years), sex, energy intake, smoking status (current/previous/never), education (years), occupation (manual/non-manual), alcohol (g/d), regular NSAID use (ever/never), *Helicobacter pylori* infection (seropositive/seronegative) and location (Northern Ireland/Republic of Ireland).

b Analysis limited to Northern Ireland controls only.