Supplementary Table 1: Tests for interaction between pre-diagnostic dietary variables and other key variables in relation to CRC survival

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | CRC-specific mortality | | | | All-cause mortality | | | |
|  | Red meat  (40 g) | Processed meat  (30 g) | Poultry  (20 g) | Fibre  (10g) | Red meat  (40 g) | Processed meat  (30 g) | Poultry  (20 g) | Fibre  (10g) |
| Alcohol  (g/d: 0, >0-6(M)/>0-3(W), >6-24(M)/>3-24(W), >24) | 0.84 | 0.22 | 0.18 | 0.62 | 0.69 | 0.15 | 0.13 | 0.73 |
| BMI group (< 25, 25-30, 30+ ) | 0.23 | 0.18 | 0.06 | 0.68 | 0.76 | 0.25 | 0.25 | 0.70 |
| Sex | 0.29 | 0.31 | 0.18 | 0.74 | 0.84 | 0.48 | 0.10 | 0.71 |
| Year of diagnosis | 0.29 | 0.29 | 0.26 | 0.86 | 0.59 | 0.92 | 0.79 | 0.48 |
| Stage | 0.28 | 0.29 | 0.97 | 0.83 | 0.20 | 0.44 | 0.89 | 0.95 |
| Age at diagnosis (years) | 0.07 | 0.89 | 0.25 | 0.84 | 0.33 | 0.79 | 0.26 | 0.82 |
| Energy intake (kcal/d) | 0.41 | 0.91 | 0.22 | 0.84 | 0.48 | 0.18 | 0.32 | 0.41 |
| Smoking (current, former, never)\* | 0.38 | 0.51 | 0.68 | 0.97 | 0.25 | 0.32 | 0.15 | 0.84 |
| Education (primary school; technical/professional/ secondary school; longer education)\* | 0.52 | 0.90 | 0.12 | 0.62 | 0.76 | 0.86 | 0.18 | 0.92 |
| Calcium (mg/d) | 0.89 | 0.62 | 0.10 | 0.84 | 0.36 | 0.89 | 0.56 | 0.64 |
| Folate (mg/d) | 0.81 | 0.06 | 0.11 | 0.41 | 0.45 | 0.016 | 0.38 | 0.71 |
| Time between diet assessment and CRC diagnosis (< 6.5 y, = > 6.5 y) | 0.66 | 0.42 | 0.44 | 0.81 | 0.97 | 0.73 | 0.79 | 0.27 |
| Length of follow up after diagnosis (< 3.3 y, > 3.3 y) | 0.32 | 0.53 | 0.57 | 0.48 | 0.42 | 0.20 | 0.86 | 0.39 |
| Values presented are P values from likelihood ratio test of nested models with and without interaction term included. Models adjusted for age, sex , BMI (continuous), smoking (current, former, never, unknown), grade (well differentiated, moderately differentiated, poorly/undifferentiated, unknown),stage (I,II,III, IV, unknown), year of tumour diagnosis (continuous), energy (kcal/day), calcium (mg/d), folate (mg/day), alcohol [g/d: 0, >0-6(M)/>0-3(W), >6-12(M)/>3-12(W),>12-24,>24-60,>60] , education (primary school, technical/professional school, secondary school, longer education (inc. University, unknown); stratified by country.  \*Nested models restricted to those without unknown/ missing data | | | | | | | | |