**Supplemental Table S7. Baseline nutrition-related participant characteristics according to quartiles of the DQI-I**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Baseline characteristics** | **n** | **Q1\*** | **Q2\*** | **Q3\*** | **Q4\*** | **p†** |
| **Dietary scores** |  |  |  |  |  |  |
| DQI (points) | 2329 | 48.74 (46.53, 50.47) | 53.99 (52.95, 55.08) | 57.99 (57.03, 59.04) | 63.10 (61.26, 65.52) | <0.001 |
| MPNNS-GS (points) | 2329 | 6.25 (5.25, 7.25) | 7.05 (6.05, 8.00) | 7.75 (6.75, 8.55) | 8.50 (7.05, 9.50) | <0.001 |
| PANDIET (points) | 2329 | 58.95 (56.08, 62.31) | 61.46 (58.93, 65.33) | 64.38 (60.92, 67.86) | 68.71 (64.31, 72.32) | <0.001 |
| PNNS-GS (points) | 2329 | 6.75 (5.75, 7.80) | 7.55 (6.50, 8.55) | 8.30 (7.19, 9.30) | 9.00 (7.75, 10.25) | <0.001 |
| **Alcohol consumption (g/d)** | 2329 | 18.10 (0.00, 28.27) | 15.90 (0.00, 28.27) | 13.60 (0.00, 28.27) | 6.43 (0.00, 22.93) | <0.001 |
| **Fruit/ vegetable intake (g/d)** | 2329 | 285 (209, 353) | 370 (297, 456) | 446 (358, 553) | 525 (413, 659) | <0.001 |
| **Total energy intake (kcal/d)** | 2329 | 2214 (1778, 2551) | 2187 (1790, 2597) | 2182 (1753, 2668) | 2057 (1675, 2600) | 0.26 |
| %Total fat | 2329 | 38.81 (35.77, 41.93) | 38.35 (35.39, 41.25) | 37.69 (35.06, 40.43) | 35.24 (31.75, 39.30) | <0.001 |
| %Saturated fatty acids | 2329 | 16.15 (14.77, 17.88) | 15.94 (14.33, 17.56) | 15.49 (13.95, 17.00) | 13.91 (11.99, 15.92) | <0.001 |
| %Mono-unsaturated fatty acids | 2329 | 14.47 (13.07, 16.02) | 14.31 (13.12, 15.75) | 14.07 (12.93, 15.40) | 13.43 (11.69, 15.16) | <0.001 |
| %Poly-unsaturated fatty acids | 2329 | 5.29 (4.61, 6.20) | 5.44 (4.74, 6.45) | 5.54 (4.74, 6.45) | 5.59 (4.60, 6.74) | 0.001 |
| %Carbohydrates | 2329 | 37.26 (32.68, 41.61) | 39.20 (35.26, 42.94) | 40.36 (36.31, 44.15) | 42.29 (38.31, 47.16) | <0.001 |
| %Added sugars | 2329 | 7.64 (5.55, 10.08) | 7.82 (5.79, 9.84) | 7.01 (5.41, 9.22) | 6.69 (4.35, 8.69) | <0.001 |
| %Protein | 2329 | 16.12 (14.83, 17.75) | 16.18 (14.82, 17.73) | 16.25 (15.06, 17.79) | 16.88 (15.09, 18.90) | <0.001 |
| %Animal protein | 2329 | 12.00 (10.49, 13.87) | 11.72 (10.16, 13.45) | 11.80 (10.30, 13.36) | 12.04 (10.03, 14.00) | 0.19 |
| %Vegetal protein | 2329 | 4.12 (3.65, 4.64) | 4.30 (3.89, 4.84) | 4.49 (4.04, 4.98) | 4.90 (4.37, 5.44) | <0.001 |
| **Dietary fiber intake (g/1000 kcal)** | 2329 | 7.39 (6.36, 8.44) | 8.54 (7.47, 9.68) | 9.42 (8.25, 10.79) | 11.01 (9.43, 13.04) | <0.001 |
| **Sodium (g/d)** | 2329 | 3.61 (2.88, 4.16) | 3.56 (2.88, 4.33) | 3.55 (2.73, 4.45) | 3.24 (2.59, 4.34) | 0.97 |
| **Vitamin C (μmol/L)ǂ** | 1804 | 48.37 (34.68, 61.06) | 54.04 (41.65, 67.36) | 57.41 (46.27, 67.52) | 59.78 (50.38, 69.82) | <0.001 |
| **Vitamin E (μmol/L)ǂ** | 1991 | 30.94 (26.19, 35.70) | 31.25 (26.30, 36.30) | 31.17 (26.80, 36.50) | 31.20 (26.52, 35.80) | 0.55 |
| **Beta-carotene (μmol/L)ǂ** | 1991 | 0.41 (0.27, 0.66) | 0.49 (0.32, 0.76) | 0.54 (0.36, 0.83) | 0.58 (0.37, 0.89) | <0.001 |
| **Selenium (μmol/L)ǂ** | 2260 | 1.10 (1.00, 1.23) | 1.10 (0.98, 1.20) | 1.10 (0.99, 1.22) | 1.09 (0.98, 1.24) | 0.76 |
| **Zinc (μmol/L)ǂ** | 2264 | 13.20 (11.90, 14.40) | 13.20 (12.00, 14.40) | 13.20 (12.00, 14.40) | 13.10 (11.90, 14.30) | 0.57 |

Abbreviations: DQI-I, Dietary Quality Index- International; PANDiet, Probability of Adequate Nutrient Intake Dietary Score; mPNNS-GS, modified Programme National Nutrition Santé- Guideline Score ; PNNS-GS, Programme National Nutrition Santé- Guideline Score ; Q: quartile.

Values are medians (1st quartile, 3rd quartile).

1Quartile cut-offs (maximal values per quartile): Q1, 51.71; Q2, 55.96; Q3: 60.11.

2Linear contrast tests.

3Blood serum concentrations.