Supplemental Table 1 Characteristic of the SU.VI.MAX population included in the study (N=1980) according to tertiles of ADII score

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Tertiles of ADII score | | | | | |  |
|  |  | Tertile 1 | | Tertile 2 | | Tertile 3 | | P |
| N |  | 660 | | 660 | | 660 | |  |
| ADII score |  | (-30.9; -1.27) | | (-1.26 ; 1.69) | | (1.70;9.97) | |  |
| Sex | Men | 280 | (42.4) | 289 | (43.8) | 348 | (52.7) | <0.001 |
|  | Women | 380 | (57.6) | 371 | (56.2) | 312 | (47.3) |  |
| Age |  | 50.2 | ±5.94 | 49.4 | ±5.8 | 49.5 | ±5.69 | 0.03 |
| Marital status | Single/divorced/widowed | 97 | (14.7) | 84 | (12.7) | 89 | (13.5) | 0.58 |
|  | In couple | 563 | (85.3) | 576 | (87.3) | 571 | (86.5) |  |
| Educational level | Primary | 111 | (16.8) | 131 | (19.8) | 137 | (20.8) | 0.006 |
|  | Secondary | 235 | (35.6) | 248 | (37.6) | 276 | (41.8) |  |
|  | Superior | 314 | (47.6) | 281 | (42.6) | 247 | (37.4) |  |
| Smoking status | Never smoker | 343 | (52) | 333 | (50.5) | 333 | (50.5) | 0.3 |
|  | Former smoker | 260 | (39.4) | 259 | (39.2) | 246 | (37.3) |  |
|  | Current smoker | 57 | (8.6) | 68 | (10.3) | 81 | (12.3) |  |
| Physical activity | Irregular | 122 | (18.5) | 147 | (22.3) | 178 | (27) | 0.007 |
|  | <1 h/day | 223 | (33.8) | 203 | (30.8) | 193 | (29.2) |  |
|  | >=1 h/day | 315 | (47.7) | 310 | (47) | 289 | (43.8) |  |
| Baseline BMI | | 23.9 | ±3.31 | 24.1 | ±3.33 | 24.1 | ±3.59 | 0.4 |
| Number of dietary records | | 9.9 | ±3.15 | 10.3 | ±2.96 | 10.1 | ±3.1 | 0.24 |

Numbers are N(%) or Mean ±SD. Pvalues obtained using Chi-Square tests or ANOVA tests, as required

Supplemental table 2 Dietary intakes of the SU.VI.MAX population included in the study according to tertiles of ADII scores (N=1980)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Tertiles of ADII score | | | | | |  |
|  | Tertile 1 | | Tertile 2 | | Tertile 3 | | P |
| N | 660 | | 660 | | 660 | |  |
| ADII scores | (-30.9; -1.27) | | (-1.26 ; 1.69) | | (1.70;9.97) | |  |
| Energy (Kcal/d) | 2158.6 | ±616 | 2122.7 | ±580 | 2174.5 | ±611 | 0.63 |
| Carbohydrates (%EAE) | 41.5 | ±6.51 | 41.6 | ±5.93 | 42.0 | ±5.75 | 0.09 |
| Lipids (%EAE) | 40.4 | ±5.64 | 40.7 | ±4.80 | 40.7 | ±4.80 | 0.27 |
| Proteins (%EAE) | 18.1 | ±2.93 | 17.6 | ±2.65 | 17.3 | ±2.55 | <0.001 |
| Alcohol (g/d) | 17.5 | ±16.2 | 19.2 | ±17.3 | 19.5 | ±18.6 | 0.04 |
| Saturated fatty acids (g/d) | 35.0 | ±6.28 | 37.6 | ±5.76 | 39.7 | ±6.04 | <0.001 |
| Mono-unsaturated fatty acids (g/d) | 35.1 | ±6.13 | 34.5 | ±4.76 | 33.9 | ±5.06 | <0.001 |
| Poly-unsaturated fatty acids (g/d) | 15.2 | ±3.74 | 13.5 | ±2.86 | 12.0 | ±2.77 | <0.001 |
| Omega 3 fatty acids (g/d) | 1.44 | ±0.47 | 1.27 | ±0.34 | 1.09 | ±0.27 | <0.001 |
| Omega 6 fatty acids (g/d) | 13.1 | ±3.58 | 11.6 | ±2.77 | 10.3 | ±2.65 | <0.001 |
| Beta carotene | 5312 | ±3099 | 3967 | ±1806 | 2858 | ±1539 | <0.001 |
| Vitamin C | 125.3 | ±49.2 | 97.9 | ±36.1 | 73.4 | ±28.5 | <0.001 |
| Vitamin E | 15.4 | ±4.23 | 12.9 | ±2.93 | 10.9 | ±2.82 | <0.001 |
| Sodium (mg/d) | 3590 | ±884 | 3458 | ±710 | 3348 | ±711 | <0.001 |
| Fibers (g/d) | 23.4 | ±5.95 | 19.3 | ±3.68 | 16.6 | ±3.52 | <0.001 |

Numbers are Mean ±SD. P-values obtained using ANOVA tests. Nutrients expressed as energy-adjusted residuals (except for energy itself)