**Table A**. Socio-demographic characteristics and dietary intake comparison between included and excluded participants in “Bus Santé” study, Geneva, Switzerland, from 2005 to 2012

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Included | | Excluded | |  |
|  | N | % | N | % | *p-value* |
| Total | 4429 |  | 658 |  |  |
| Age (mean years, SD) | 51.3 | 11.5 | 50.8 | 14.1 | 0.28 |
| Woman | 2157 | 48.7 | 455 | 69.2 | \*\* |
| BMI (kg/m2) | 25.5 | 9.0 | 25.3 | 13.2 | 0.68 |
| BMI categories |  |  |  |  | 0.02 |
| Underweight or normal | 2457 | 54.6 | 360 | 59.2 |  |
| Overweight | 1483 | 33.5 | 169 | 27.8 |  |
| Obese | 519 | 11.7 | 79 | 13.0 |  |
| Smoking |  |  |  |  | 0.01 |
| Never smoked | 2046 | 46.2 | 343 | 52.1 |  |
| Smoker | 957 | 21.6 | 133 | 20.2 |  |
| Ex-smoker | 1426 | 32.3 | 182 | 27.7 |  |
| Nationality |  |  |  |  | 0.05 |
| Swiss | 3096 | 69.9 | 435 | 66.1 |  |
| Other | 1333 | 30.1 | 223 | 33.9 |  |
| Education level |  |  |  |  | \*\* |
| Low | 1289 | 29.1 | 206 | 31.7 |  |
| Medium | 1173 | 26.5 | 229 | 35.3 |  |
| High | 1967 | 44.4 | 214 | 33.0 |  |
| Income |  |  |  |  | \*\* |
| Low | 913 | 20.6 | 125 | 40.7 |  |
| Medium | 1789 | 40.4 | 107 | 34.9 |  |
| High | 1729 | 39.0 | 75 | 24.4 |  |
| Occupation |  |  |  |  | \*\* |
| Low | 1263 | 28.5 | 205 | 39.9 |  |
| High | 3166 | 71.5 | 309 | 60.1 |  |

Number of participants (%) or mean ± standard deviation. Statistical comparison by student’s t-test for age and BMI, and chi-square for sex, smoking, BMI categories, nationality, education, income, and occupation. BMI, body max index; BMI categories, underweight or normal, BMI<25; overweight, 25≤BMI<30; obese, BMI≥30. Education: low, primary education or apprenticeship; medium, secondary education; high, tertiary education. Income: low, <5000 CHF (1 CHF = 1.01 USD or 0.91 EUR as of 24.02.2016); medium, 5000 to 9499 CHF; high, ≥9500 CHF. Occupation: low, blue collar; high, white collar.

**Figure A**. Flowchart of participants’ inclusion in statistical analysis

Total energy intake <850 or >4500 kcal/day = 185

No education or occupation data = 80

No income data = 351

No age, BMI, sex, or smoking data = 42

Total included = 4429

Total original sample = 5087

**Table B.** Energy and nutrient intake (mean & SE) in men from “Bus Santé” study, Geneva, Switzerland, years 2005-2012, by socioeconomic status indicator, adjusted for age and energy, including all previously excluded participants

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Education | | | | | | |  | Income | | | | | | |  | Occupation | | | | |
|  | Low | | Medium | | High | |  |  | Low | | Medium | | High | |  |  | Low | | High | |  |
|  | Mean | SE | Mean | SE | Mean | SE | *p-value* |  | Mean | SE | Mean | SE | Mean | SE | *p-value* |  | Mean | SE | Mean | SE | *p-value* |
| TEI (kcal/d) | 2172 | 25 | 2153 | 30 | 2077 | 21 | **\*** |  | 2150 | 34 | 2154 | 23 | 2083 | 22 | 0.06 |  | 2209 | 25 | 2079 | 17 | **\*\*** |
| Macronutrients (g/d) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total proteins | 81.7 | 0.6 | 81.5 | 0.7 | 83.1 | 0.5 | 0.11 |  | 80.5 | 0.8 | 82.6 | 0.6 | 84.1 | 0.5 | **\*\*** |  | 81.3 | 0.6 | 82.6 | 0.4 | 0.09 |
| Animal protein | 57.3 | 0.7 | 56.7 | 0.8 | 58.1 | 0.6 | 0.36 |  | 55.3 | 0.9 | 57.8 | 0.7 | 59.3 | 0.6 | **\*\*** |  | 56.7 | 0.7 | 57.8 | 0.5 | 0.19 |
| Vegetal protein | 24.4 | 0.2 | 24.9 | 0.3 | 25.2 | 0.2 | 0.15 |  | 25.3 | 0.3 | 24.8 | 0.2 | 24.7 | 0.2 | 0.25 |  | 24.7 | 0.2 | 24.8 | 0.2 | 0.64 |
| Total carbohydrates | 239 | 2 | 244 | 2 | 239 | 1 | 0.12 |  | 246 | 2 | 239 | 2 | 236 | 2 | **\*\*** |  | 242 | 2 | 239 | 1 | 0.14 |
| Sugars | 106 | 1 | 108 | 2 | 106 | 1 | 0.67 |  | 107 | 2 | 106 | 1 | 103 | 1 | 0.02 |  | 106 | 1 | 106 | 1 | 0.87 |
| Polysaccharides | 133 | 2 | 136 | 2 | 133 | 1 | 0.34 |  | 138 | 2 | 132 | 1 | 132 | 1 | 0.03 |  | 135 | 2 | 132 | 1 | 0.15 |
| Fiber | 15.6 | 0.3 | 16.3 | 0.3 | 16.8 | 0.2 | **\*** |  | 16.4 | 0.3 | 16.4 | 0.2 | 16.3 | 0.2 | 0.87 |  | 16.4 | 0.3 | 16.4 | 0.2 | 0.17 |
| Total fats | 81.4 | 0.6 | 78.8 | 0.7 | 82.2 | 0.5 | **\*\*** |  | 79.7 | 0.8 | 81.9 | 0.6 | 82.5 | 0.5 | **\*** |  | 79.4 | 0.6 | 81.9 | 0.4 | **\*\*** |
| SFA | 30.6 | 0.3 | 29.4 | 0.4 | 30.8 | 0.2 | **\*\*** |  | 29.5 | 0.4 | 30.7 | 0.3 | 31.2 | 0.3 | **\*** |  | 29.4 | 0.3 | 30.7 | 0.2 | **\*\*** |
| MUFA | 32.6 | 0.3 | 31.5 | 0.4 | 33.2 | 0.3 | **\*** |  | 31.8 | 0.4 | 33.2 | 0.3 | 33.4 | 0.3 | **\*\*** |  | 31.8 | 0.3 | 33.2 | 0.2 | **\*** |
| PUFA | 11.7 | 0.1 | 11.7 | 0.2 | 11.4 | 0.1 | 0.22 |  | 11.8 | 0.2 | 11.4 | 0.1 | 11.3 | 0.1 | 0.09 |  | 11.7 | 0.1 | 11.4 | 0.1 | 0.08 |
| Cholesterol (mg/d) | 347 | 4 | 350 | 5 | 359 | 4 | 0.1 |  | 349 | 6 | 358 | 4 | 358 | 4 | 0.14 |  | 342 | 4 | 358 | 3 | **\*** |
| Micronutrients |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Calcium (mg/d) | 1112 | 17 | 1017 | 20 | 1125 | 14 | **\*\*** |  | 1041 | 23 | 1122 | 16 | 1141 | 15 | **\*\*** |  | 1045 | 17 | 1122 | 12 | **\*\*** |
| Iron (mg/d) | 11.6 | 0.1 | 11.9 | 0.1 | 11.9 | 0.1 | 0.01 |  | 11.5 | 0.1 | 11.9 | 0.1 | 12 .2 | 0.1 | **\*\*** |  | 11.7 | 0.1 | 11.9 | 0.1 | 0.11 |
| Retinol (µg/d) | 566 | 19 | 531 | 23 | 545 | 16 | 0.45 |  | 574 | 25 | 537 | 17 | 531 | 16 | 0.31 |  | 572 | 19 | 537 | 13 | 0.13 |
| Carotene (µg/d) | 3677 | 97 | 3623 | 18 | 3951 | 81 | 0.03 |  | 3647 | 30 | 3780 | 90 | 3824 | 84 | 0.52 |  | 3672 | 98 | 3844 | 67 | 0.15 |
| Vitamin D (µg/d) | 2.6 | 0.1 | 2.7 | 0.1 | 3.2 | 0.1 | **\*\*** |  | 2.7 | 0.1 | 2.8 | 0.1 | 3.1 | 0.1 | **\*\*** |  | 2.6 | 0.1 | 3.0 | 0.1 | **\*\*** |

Mean and standard error of the mean from ANOVA adjusted for age and total energy intake; SE, standard error of the mean. Education: low, primary education or apprenticeship; medium, secondary education; high, tertiary education. Income: low, <5000 CHF (1 CHF=1.01 USD or 0.91 EUR as of 24.02.2016); medium, 5000 to 9499 CHF; high, ≥9500 CHF. Occupation: low, blue collar; high, white collar; TEI, Total energy intake in calories per day; SFA, saturated fatty acids; MUFA, monounsaturated fatty acids; PUFA, polyunsaturated fatty acids. \*P<0.01, \*\*P<0.001.

**Table C.** Energy and nutrient intake (mean & SE) in women from “Bus Santé” study, Geneva, Switzerland, years 2005-2012, by socioeconomic status indicator, adjusted for age and energy, including all previously excluded participants

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Education | | | | | | |  | Income | | | | | | |  | Occupation | | | | |
|  | Low | | Medium | | High | |  |  | Low | | Medium | | High | |  |  | Low | | High | |  |
|  | Mean | SE | Mean | SE | Mean | SE | *p-value* |  | Mean | SE | Mean | SE | Mean | SE | *p-value* |  | Mean | SE | Mean | SE | *p-value* |
| TEI (kcal/d) | 1723 | 23 | 1728 | 20 | 1755 | 19 | 0.48 |  | 1717 | 25 | 1734 | 19 | 1741 | 22 | 0.77 |  | 1781 | 23 | 1722 | 14 | 0.03 |
| Macronutrients (g/d) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total proteins | 68.3 | 0.6 | 68.5 | 0.5 | 68.4 | 0.5 | 0.76 |  | 67.6 | 0.7 | 68.2 | 0.5 | 68.6 | 0.6 | 0.47 |  | 68.4 | 0.6 | 68.2 | 0.4 | 0.86 |
| Animal protein | 47.6 | 0.7 | 47.5 | 0.6 | 46.4 | 0.5 | 0.27 |  | 46.5 | 0.8 | 47.1 | 0.6 | 47.5 | 0.6 | 0.52 |  | 47.2 | 0.7 | 47.1 | 0.4 | 0.86 |
| Vegetal protein | 20.7 | 0.2 | 21.1 | 0.2 | 21.6 | 0.2 | **\*** |  | 21.1 | 0.2 | 21.2 | 0.2 | 21.1 | 0.2 | 0.89 |  | 21.2 | 0.2 | 21.2 | 0.1 | 0.95 |
| Total carbohydrates | 203 | 2 | 202 | 1 | 201 | 1 | 0.51 |  | 206 | 2 | 200 | 1 | 197 | 1 | **\*\*** |  | 208 | 2 | 200 | 1 | **\*\*** |
| Sugars | 102 | 1 | 100 | 1 | 98.2 | 2 | 0.14 |  | 104 | 2 | 98.8 | 1 | 96.1 | 1 | **\*** |  | 103 | 1 | 98.8 | 1 | **\*** |
| Polysaccharides | 100 | 1 | 101 | 1 | 102 | 1 | 0.67 |  | 102 | 2 | 100 | 1 | 100 | 1 | 0.45 |  | 104 | 1 | 100 | 1 | 0.04 |
| Fiber | 15.7 | 0.3 | 16.2 | 0.2 | 16.7 | 0.2 | **\*** |  | 16.2 | 0.3 | 16.2 | 0.2 | 16.2 | 0.2 | 0.75 |  | 16.4 | 0.3 | 16.2 | 0.2 | 0.65 |
| Total fats | 68.2 | 0.6 | 68.5 | 0.5 | 69.1 | 0.5 | 0.42 |  | 66.8 | 0.6 | 69.2 | 0.5 | 69.8 | 0.5 | **\*** |  | 66.6 | 0.6 | 69.2 | 0.3 | **\*\*** |
| SFA | 24.2 | 0.3 | 24.2 | 0.2 | 24.1 | 0.2 | 0.92 |  | 23.3 | 0.3 | 24.5 | 0.2 | 24.6 | 0.2 | **\*** |  | 22.8 | 0.3 | 24.5 | 0.2 | **\*\*** |
| MUFA | 28.1 | 0.3 | 28.5 | 0.3 | 29.1 | 0.3 | 0.04 |  | 27.5 | 0.3 | 28.9 | 0.3 | 29.5 | 0.3 | **\*\*** |  | 27.7 | 0.3 | 28.9 | 0.2 | **\*\*** |
| PUFA | 9.8 | 0.1 | 9.9 | 0.1 | 9.6 | 0.1 | 0.08 |  | 10.0 | 0.1 | 9.6 | 0.1 | 9.6 | 0.1 | 0.03 |  | 10.1 | 0.1 | 9.6 | 0.1 | **\*** |
| Cholesterol (mg/d) | 290 | 6 | 290 | 5 | 298 | 5 | 0.42 |  | 296 | 6 | 296 | 5 | 289 | 5 | 0.57 |  | 285 | 6 | 296 | 3 | 0.10 |
| Micronutrients |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Calcium (mg/d) | 973 | 15 | 973 | 13 | 991 | 12 | 0.50 |  | 955 | 16 | 997 | 12 | 987 | 14 | 0.24 |  | 933 | 15 | 997 | 9.0 | **\*\*** |
| Iron (mg/d) | 9.9 | 0.1 | 9.9 | 0.1 | 10.1 | 0.1 | 0.37 |  | 9.8 | 0.1 | 9.9 | 0.1 | 10.0 | 0.1 | 0.21 |  | 10.2 | 0.1 | 9.9 | 0.1 | 0.83 |
| Retinol (µg/d) | 512 | 25 | 441 | 22 | 443 | 20 | 0.06 |  | 487 | 29 | 447 | 21 | 413 | 24 | 0.05 |  | 495 | 24 | 447 | 14 | 0.09 |
| Carotene (µg/d) | 4295 | 43 | 4604 | 29 | 4872 | 17 | **\*** |  | 4684 | 61 | 4607 | 20 | 4631 | 36 | 0.93 |  | 4586 | 45 | 4630 | 87 | 0.80 |
| Vitamin D (µg/d) | 2.6 | 0.1 | 2.7 | 0.1 | 3.0 | 0.1 | **\*\*** |  | 2.7 | 0.1 | 2.9 | 0.1 | 2.9 | 0.1 | 0.10 |  | 2.5 | 0.1 | 2.9 | 0.0 | **\*\*** |

Mean and standard error of the mean from ANOVA adjusted for age and total energy intake; SE, standard error of the mean. Education: low, primary education or apprenticeship; medium, secondary education; high, tertiary education. Income: low, <5000 CHF (1 CHF=1.01 USD or 0.91 EUR as of 24.02.2016); medium, 5000 to 9499 CHF; high, ≥9500 CHF. Occupation: low, blue collar; high, white collar; TEI, Total energy intake in calories per day; SFA, saturated fatty acids; MUFA, monounsaturated fatty acids; PUFA, polyunsaturated fatty acids. \*P<0.01, \*\*P<0.001.

**Table D.** Energy and nutrient intake (mean & SE) in men from “Bus Santé” study, Geneva, Switzerland, years 2005-2012, by socioeconomic status indicator, multivariable adjusted, including all previously excluded participants

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Education | | | | | | |  | Income | | | | | | |  | Occupation | | | | |
|  | Low | | Medium | | High | |  |  | Low | | Medium | | High | |  |  | Low | | High | |  |
|  | Mean | SE | Mean | SE | Mean | SE | *p-value* |  | Mean | SE | Mean | SE | Mean | SE | *p-value* |  | Mean | SE | Mean | SE | *p-value* |
| TEI (kcal/d) | 2153 | 27 | 2129 | 32 | 2102 | 23 | 0.42 |  | 2105 | 36 | 2142 | 24 | 2116 | 24 | 0.61 |  | 2182 | 30 | 2097 | 19 | 0.03 |
| Macronutrients (g/d) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total proteins | 82 .0 | 0.7 | 82 .1 | 0.8 | 82.8 | 0.6 | 0.67 |  | 80.9 | 0.9 | 82.5 | 0.6 | 84 .4 | 0.6 | **\*** |  | 82.1 | 0.7 | 82.5 | 0.5 | 0.73 |
| Animal protein | 57.5 | 0.8 | 57.3 | 0.9 | 57.8 | 0.7 | 0.89 |  | 55.6 | 1.0 | 57.7 | 0.7 | 59.5 | 0.7 | **\*** |  | 57.4 | 0.8 | 57.7 | 0.5 | 0.84 |
| Vegetal protein | 24.5 | 0.3 | 24.7 | 0.3 | 25.1 | 0.2 | 0.52 |  | 25.4 | 0.3 | 24.8 | 0.2 | 24.6 | 0.2 | 0.17 |  | 24.7 | 0.3 | 24.8 | 0.2 | 0.78 |
| Total carbohydrates | 239 | 2 | 242 | 2 | 239 | 2 | 0.46 |  | 246 | 2 | 239 | 2 | 235 | 2 | **\*** |  | 240 | 2 | 239 | 1 | 0.69 |
| Sugars | 105 | 2 | 107 | 2 | 106 | 1 | 0.71 |  | 108 | 2 | 106 | 1 | 103 | 1 | **\*** |  | 106 | 2 | 106 | 1 | 0.83 |
| Polysaccharides | 133 | 2 | 134 | 2 | 133 | 1 | 0.83 |  | 137 | 2 | 133 | 1 | 132 | 1 | 0.16 |  | 134 | 2 | 133 | 1 | 0.55 |
| Fiber | 15.7 | 0.3 | 16.1 | 0.3 | 16.8 | 0.2 | 0.03 |  | 16.7 | 0.4 | 16.3 | 0.2 | 16.2 | 0.2 | 0.26 |  | 16.2 | 0.3 | 16.3 | 0.2 | 0.64 |
| Total fats | 81.6 | 0.6 | 79.5 | 0.8 | 82.1 | 0.6 | 0.03 |  | 81.1 | 0.9 | 81.7 | 0.6 | 82.2 | 0.6 | 0.14 |  | 80.6 | 0.7 | 81.7 | 0.4 | 0.24 |
| SFA | 30.6 | 0.3 | 29.5 | 0.4 | 30.7 | 0.3 | 0.03 |  | 30.3 | 0.4 | 30.6 | 0.3 | 30.8 | 0.3 | 0.18 |  | 30.4 | 0.3 | 30.6 | 0.2 | 0.18 |
| MUFA | 32.8 | 0.3 | 31.9 | 0.4 | 33.2 | 0.3 | 0.06 |  | 32.2 | 0.4 | 32.8 | 0.3 | 33.3 | 0.3 | 0.03 |  | 32.4 | 0.4 | 32.8 | 0.2 | 0.38 |
| PUFA | 11.6 | 0.2 | 11.6 | 0.2 | 11.5 | 0.1 | 0.93 |  | 11.7 | 0.2 | 11.5 | 0.1 | 11.4 | 0.1 | 0.43 |  | 11.6 | 0.2 | 11.5 | 0.1 | 0.49 |
| Cholesterol (mg/d) | 350 | 5 | 355 | 6 | 355 | 4 | 0.64 |  | 354 | 6 | 357 | 4 | 356 | 4 | 0.56 |  | 346 | 5 | 357 | 3 | 0.10 |
| Micronutrients |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Calcium (mg/d) | 1120 | 18 | 1039 | 22 | 1112 | 16 | **\*** |  | 1083 | 24 | 1111 | 16 | 1125 | 16 | 0.10 |  | 1073 | 20 | 1111 | 12 | 0.13 |
| Iron (mg/d) | 11.7 | 0.1 | 11.9 | 0.1 | 11.9 | 0.1 | 0.16 |  | 11.5 | 0.1 | 11.8 | 0.1 | 12.2 | 0.1 | **\*** |  | 11.8 | 0.1 | 11.8 | 0.1 | 0.53 |
| Retinol (µg/d) | 554 | 20 | 521 | 24 | 559 | 17 | 0.42 |  | 571 | 27 | 541 | 18 | 538 | 18 | 0.63 |  | 566 | 22 | 541 | 14 | 0.38 |
| Carotene (µg/d) | 3710 | 05 | 3648 | 25 | 3879 | 90 | 0.31 |  | 3741 | 40 | 3837 | 92 | 3736 | 91 | 0.70 |  | 3711 | 14 | 3805 | 72 | 0.51 |
| Vitamin D (µg/d) | 2.6 | 0.1 | 2.8 | 0.1 | 3.1 | 0.1 | **\*\*** |  | 2.8 | 0.1 | 2.9 | 0.1 | 3.0 | 0.1 | 0.19 |  | 2.9 | 0.1 | 2.9 | 0.1 | 0.57 |

Mean and standard error of the mean from ANOVA adjusted for age, survey year, smoking, BMI, nationality, and other SES indicators (education, income, occupation), and total energy intake; SE, standard error of the mean. Education: low, primary education or apprenticeship; medium, secondary education; high, tertiary education. Income: low, <5000 CHF (1 CHF=1.01 USD or 0.91 EUR as of 24.02.2016); medium, 5000 to 9499 CHF; high, ≥9500 CHF. Occupation: low, blue collar; high, white collar; TEI, Total energy intake in calories per day; SFA, saturated fatty acids; MUFA, monounsaturated fatty acids; PUFA, polyunsaturated fatty acids. \*P<0.01, \*\*P<0.001.

**Table E.** Energy and nutrient intake (mean & SE) in women from “Bus Santé” study, Geneva, Switzerland, years 2005-2012, by socioeconomic status indicator, multivariable adjusted, including all previously excluded participants

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Education | | | | | | |  | Income | | | | | | |  | Occupation | | | | |
|  | Low | | Medium | | High | |  |  | Low | | Medium | | High | |  |  | Low | | High | |  |
|  | Mean | SE | Mean | SE | Mean | SE | *p-value* |  | Mean | SE | Mean | SE | Mean | SE | *p-value* |  | Mean | SE | Mean | SE | *p-value* |
| TEI (kcal/d) | 1705 | 25 | 1725 | 22 | 1759 | 20 | 0.26 |  | 1715 | 27 | 1736 | 19 | 1745 | 22 | 0.71 |  | 1792 | 27 | 1714 | 15 | 0.01 |
| Macronutrients (g/d) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total proteins | 68.6 | 0.7 | 68.5 | 0.6 | 67.4 | 0.5 | 0.31 |  | 67.1 | 0.7 | 68.3 | 0.5 | 68.9 | 0.6 | 0.16 |  | 67.4 | 0.7 | 68.3 | 0.4 | 0.29 |
| Animal protein | 47.9 | 0.7 | 47.6 | 0.7 | 45.8 | 0.6 | 0.07 |  | 45.8 | 0.8 | 47.2 | 0.6 | 47.9 | 0.7 | 0.13 |  | 46.1 | 0.8 | 47.2 | 0.4 | 0.26 |
| Vegetal protein | 20.7 | 0.2 | 20.9 | 0.2 | 21.6 | 0.2 | **\*** |  | 21.4 | 0.3 | 21.1 | 0.2 | 21.2 | 0.2 | 0.55 |  | 21.3 | 0.3 | 21.1 | 0.1 | 0.52 |
| Total carbohydrates | 201 | 2 | 200 | 1 | 203 | 1 | 0.44 |  | 206 | 2 | 200 | 1 | 197 | 1 | **\*\*** |  | 206 | 2 | 200 | 1 | **\*** |
| Sugars | 101 | 2 | 98.2 | 1 | 100 | 1 | 0.41 |  | 104 | 2 | 99.1 | 1 | 97.2 | 1 | 0.01 |  | 103 | 2 | 99.4 | 1 | 0.05 |
| Polysaccharides | 100 | 2 | 101 | 1 | 103 | 1 | 0.32 |  | 102 | 2 | 101 | 1 | 100 | 1 | 0.51 |  | 104 | 2 | 101 | 1 | 0.14 |
| Fiber | 15.7 | 0.3 | 16.1 | 0.2 | 16.8 | 0.2 | **\*** |  | 16.4 | 0.3 | 16.2 | 0.2 | 16.1 | 0.2 | 0.65 |  | 16.5 | 0.3 | 16.2 | 0.2 | 0.33 |
| Total fats | 68.2 | 0.6 | 69.3 | 0.5 | 68.1 | 0.5 | 0.40 |  | 67.2 | 0.6 | 68.9 | 0.5 | 69.5 | 0.5 | 0.03 |  | 67.1 | 0.6 | 68.9 | 0.4 | 0.01 |
| SFA | 24.2 | 0.3 | 24.3 | 0.2 | 23.8 | 0.2 | 0.25 |  | 23.5 | 0.3 | 24.4 | 0.2 | 24.4 | 0.2 | 0.08 |  | 23.2 | 0.3 | 24.4 | 0.2 | **\*\*** |
| MUFA | 28.2 | 0.3 | 28.8 | 0.3 | 28.6 | 0.3 | 0.41 |  | 27.7 | 0.4 | 28.7 | 0.3 | 29.3 | 0.3 | **\*** |  | 28.1 | 0.4 | 28.7 | 0.2 | 0.14 |
| PUFA | 9.7 | 0.1 | 9.8 | 0.1 | 9.5 | 0.1 | 0.17 |  | 9.9 | 0.1 | 9.6 | 0.1 | 9.7 | 0.1 | 0.16 |  | 9.9 | 0.1 | 9.6 | 0.1 | 0.10 |
| Cholesterol (mg/d) | 290 | 6 | 290 | 6 | 298 | 5 | 0.58 |  | 297 | 7 | 298 | 5 | 286 | 6 | 0.28 |  | 282 | 7 | 298 | 4 | 0.05 |
| Micronutrients |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Calcium (mg/d) | 990 | 16 | 976 | 14 | 980 | 13 | 0.79 |  | 972 | 17 | 997 | 12 | 981 | 14 | 0.79 |  | 935 | 17 | 997 | 10 | **\*** |
| Iron (mg/d) | 9.9 | 0.1 | 9.9 | 0.1 | 9.9 | 0.1 | 0.68 |  | 9.8 | 0.1 | 9.9 | 0.1 | 10.2 | 0.1 | 0.15 |  | 9.9 | 0.1 | 9.9 | 0.1 | 0.79 |
| Retinol (µg/d) | 488 | 27 | 434 | 24 | 452 | 22 | 0.30 |  | 474 | 29 | 451 | 20 | 422 | 24 | 0.23 |  | 472 | 28 | 451 | 16 | 0.52 |
| Carotene (µg/d) | 4222 | 58 | 4619 | 41 | 4870 | 28 | **\*** |  | 4733 | 70 | 4593 | 21 | 4577 | 41 | 0.76 |  | 4690 | 67 | 4596 | 93 | 0.64 |
| Vitamin D (µg/d) | 2.7 | 0.1 | 2.7 | 0.1 | 2.9 | 0.1 | 0.29 |  | 2.8 | 0.1 | 2.9 | 0.1 | 2.8 | 0.1 | 0.67 |  | 2.5 | 0.1 | 2.9 | 0.1 | **\*** |

Mean and standard error of the mean from ANOVA adjusted for age, survey year, smoking, BMI, nationality, and other SES indicators (education, income, occupation), and total energy intake; SE, standard error of the mean. Education: low, primary education or apprenticeship; medium, secondary education; high, tertiary education. Income: low, <5000 CHF (1 1 CHF=1.01 USD or 0.91 EUR as of 24.02.2016); medium, 5000 to 9499 CHF; high, ≥9500 CHF. Occupation: low, blue collar; high, white collar; TEI, Total energy intake in calories per day; SFA, saturated fatty acids; MUFA, monounsaturated fatty acids; PUFA, polyunsaturated fatty acids. \*P<0.01, \*\*P<0.001.