

(A) Men (at baseline in 2002-2003)

| | | Smoking | | | | | | | | | |
|----------------|-----------------|--------------------------|----------|-----------|---------------|----------|-----------|----------------|----------|-----------|-------------|
| | | Never smoker | | | Former smoker | | | Current smoker | | | |
| Alcohol | None | 0.49 | 2.23 | 4.11 | 0.12 | 0.50 | 0.66 | 0.29 | 1.50 | 2.49 | Normal |
| | | 0.40 | 1.68 | 2.58 | 0.11 | 0.42 | 0.42 | 0.18 | 0.92 | 1.17 | Over weight |
| | | 0.49 | 2.07 | 3.15 | 0.14 | 0.55 | 0.52 | 0.22 | 1.18 | 1.37 | Obesity |
| | Moderate | 0.51 | 2.83 | 2.86 | 0.29 | 1.76 | 1.51 | 0.88 | 6.74 | 8.34 | Normal |
| | | 0.51 | 2.61 | 2.05 | 0.30 | 1.76 | 1.15 | 0.61 | 4.72 | 4.62 | Over weight |
| | | 0.66 | 3.36 | 2.57 | 0.39 | 2.34 | 1.45 | 0.75 | 6.28 | 5.52 | Obesity |
| | Heavy | 0.02 | 0.03 | 0.08 | 0.01 | 0.02 | 0.05 | 0.06 | 0.18 | 0.41 | Normal |
| | | 0.02 | 0.04 | 0.07 | 0.01 | 0.03 | 0.04 | 0.04 | 0.15 | 0.25 | Over weight |
| | | 0.04 | 0.10 | 0.12 | 0.02 | 0.08 | 0.08 | 0.06 | 0.28 | 0.38 | Obesity |
| | | Very active | Moderate | In-active | Very active | Moderate | In-active | Very active | Moderate | In-active | |
| | | Physical activity | | | | | | | | | |

(B) Women (at baseline in 2002-2003)

| | | Smoking | | | | | | | | | |
|----------------|-----------------|--------------------------|----------|-----------|---------------|----------|-----------|----------------|----------|-----------|-------------|
| | | Never smoker | | | Former smoker | | | Current smoker | | | |
| Alcohol | None | 2.01 | 8.05 | 25.80 | 0.02 | 0.10 | 0.19 | 0.04 | 0.12 | 0.56 | Normal |
| | | 1.42 | 3.98 | 11.12 | 0.01 | 0.04 | 0.06 | 0.02 | 0.05 | 0.20 | Over weight |
| | | 1.84 | 4.35 | 14.06 | 0.01 | 0.05 | 0.08 | 0.03 | 0.06 | 0.26 | Obesity |
| | Moderate | 0.63 | 3.79 | 9.62 | 0.02 | 0.24 | 0.30 | 0.05 | 0.24 | 0.67 | Normal |
| | | 0.36 | 1.34 | 2.57 | 0.01 | 0.09 | 0.06 | 0.02 | 0.08 | 0.19 | Over weight |
| | | 0.40 | 1.31 | 2.83 | 0.01 | 0.09 | 0.07 | 0.03 | 0.09 | 0.22 | Obesity |
| | Heavy | <0.01 | 0.01 | 0.02 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.02 | Normal |
| | | <0.01 | <0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.01 | Over weight |
| | | <0.01 | <0.01 | 0.02 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.01 | Obesity |
| | | Very active | Moderate | In-active | Very active | Moderate | In-active | Very active | Moderate | In-active | |
| | | Physical activity | | | | | | | | | |

(C) Men (in 2012-2013)

| | | Smoking | | | | | | | | | |
|---------|----------|--------------|-------------|-------------|---------------|-------------|-------------|----------------|----------|-----------|-------------|
| | | Never smoker | | | Former smoker | | | Current smoker | | | |
| Alcohol | None | 4.20 | 6.77 | 5.75 | 0.62 | 0.82 | 0.57 | 0.46 | 0.74 | 0.76 | Normal |
| | | 2.52 | 3.83 | 3.40 | 0.51 | 0.75 | 0.48 | 0.30 | 0.53 | 0.46 | Over weight |
| | | 2.92 | 4.51 | 4.47 | 0.62 | 1.01 | 0.64 | 0.37 | 0.77 | 0.62 | Obesity |
| | Moderate | 1.52 | 3.22 | 1.71 | 0.99 | 1.97 | 0.93 | 1.29 | 2.92 | 1.90 | Normal |
| | | 1.03 | 2.14 | 1.09 | 1.06 | 2.28 | 0.96 | 0.98 | 2.48 | 1.35 | Over weight |
| | | 1.22 | 2.69 | 1.42 | 1.38 | 3.30 | 1.33 | 1.33 | 3.75 | 1.85 | Obesity |
| | Heavy | 0.03 | 0.03 | 0.04 | 0.05 | 0.06 | 0.06 | 0.12 | 0.15 | 0.18 | Normal |
| | | 0.03 | 0.04 | 0.04 | 0.06 | 0.09 | 0.06 | 0.08 | 0.13 | 0.12 | Over weight |
| | | 0.05 | 0.07 | 0.07 | 0.10 | 0.18 | 0.11 | 0.12 | 0.22 | 0.18 | Obesity |
| | | Very active | Moderate | In-active | Very active | Moderate | In-active | Very active | Moderate | In-active | |

Physical activity

(D) Women (in 2012-2013)

| | | Smoking | | | | | | | | | |
|---------|----------|--------------|--------------|-----------|---------------|-------------|-----------|----------------|----------|-----------|-------------|
| | | Never smoker | | | Former smoker | | | Current smoker | | | |
| Alcohol | None | 8.96 | 14.79 | 12.27 | 0.07 | 0.11 | 0.07 | 0.11 | 0.13 | 0.16 | Normal |
| | | 5.06 | 7.64 | 6.80 | 0.03 | 0.05 | 0.04 | 0.05 | 0.05 | 0.07 | Over weight |
| | | 5.91 | 8.82 | 8.97 | 0.05 | 0.07 | 0.05 | 0.06 | 0.08 | 0.10 | Obesity |
| | Moderate | 2.20 | 4.86 | 2.58 | 0.08 | 0.14 | 0.07 | 0.11 | 0.19 | 0.15 | Normal |
| | | 0.99 | 1.97 | 1.08 | 0.03 | 0.05 | 0.02 | 0.04 | 0.06 | 0.05 | Over weight |
| | | 1.04 | 2.02 | 1.28 | 0.03 | 0.06 | 0.03 | 0.05 | 0.08 | 0.06 | Obesity |
| | Heavy | 0.01 | 0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.01 | 0.01 | Normal |
| | | 0.01 | 0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | Over weight |
| | | 0.01 | 0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | Obesity |
| | | Very active | Moderate | In-active | Very active | Moderate | In-active | Very active | Moderate | In-active | |

Physical activity

S2 Fig. Proportion (%) of study participants according to their health behavior status (81 matrix). Smoking: never, former, current smoker. Alcohol consumption: 0 g/day, non-drinking; ≤ 50 g/day, moderate drinking; > 50 g/day, heavy drinking. Physical activity: very active, 5 or more time a week;

moderate, 1-4 times per week; inactive, < 1 time per week. Body mass index (BMI): normal weight, < 23.0 kg/m²; overweight, 23.0-24.9 kg/m²; obesity, ≥ 25.0 kg/m². Sum of proportions in 81 matrix equal 100%. Number of participants in cells with 0.00% is below 1,000. Population in 2012-2013 (n=5,909,025) is smaller than in 2002-2003 (n=8,325,492) due to mortality or not undergoing the health examination. In C and D, cells with increased proportion compared to A and B are marked in bold.