Supplementary Table 1. Participant characteristics (n=12,794)

Characteristics Men (N=6,301) Women (N= 6,493)

Age group (years)

<50 1,154 (18.3%) 1,340 (20.6%)

50-59 1,769 (28.1%) 1,956 (30.1%)

60-69 2,366 (37.6%) 2,325 (35.8%)

≥70 1,012 (16.1%) 872 (13.4%)

Body mass index (kg/m2)

<18.5 194 (3.1%) 428 (6.6%)

18.5-24.9 4,265 (68.1%) 4,679 (72.4%)

25.0-29.9 1,627 (26.0%) 1,143 (17.7%)

≥30.0 180 (2.9%) 213 (3.3%)

METs score (MET-h/d) 41.4 (37.4-48.2) 38.9 (37.0-44.2)

Calcium intake (mg/d) 442 (296-626) 749 (537-749)

Vitamin D intake (μg/d) 7.4 (4.0-12.5) 7.9 (4.67-12.6)

Vitamin K intake (μg/d) 193 (112-311) 235 (146-366)

Marital status

Married 5,161 (82.7%) 5,252 (81.6%)

Never married 606 (9.7%) 196 (3.0%)

Divorced, separated, or bereaved 477 (7.6%) 990 (15.4%)

Education level

Junior high school 1,700 (27.6%) 1,960 (30.8%)

High school 3,345 (54.3%) 3,016 (47.4%)

Junior college 556 (9.0%) 1,210 (19.0%)

University or higher 561 (9.1%) 182 (2.9%)

Occupation

Office work, sales, or service 971 (15.5%) 1,784 (27.6%)

Professional or management 1,734 (27.8%) 811 (12.5%)

Manual 1,902 (30.4%) 987 (15.3%)

No job 1,467 (23.5%) 2,726 (42.1%)

Others 174 (2.8%) 163 (2.5%)

Smoking (cigarettes/d)

Non-smoker 1,127 (18.0%) 5,507 (85.2%)

Past smoker 3,065 (48.8%) 496 (7.7%)

<20 755 (12.0%) 349 (5.4%)

≥20 1,330 (21.2%) 113 (1.8%)

Alcohol consumption (g ethanol/wk)

None or rarely 1,182 (18.8%) 4,200 (64.8%)

1-149 1,599 (25.4%) 1,817 (28.1%)

150-299 1,245 (19.8%) 245 (3.8%)

300-449 1,122 (17.8%) 138 (2.1%)

≥450 1,143 (18.2%) 78 (1.2%)

Data are presented as numbers with percentages or median with ±25 percentile.