## Supplementary Table 2. IR and multivariate-adjusted HR (95% CI) of myocardial infarction and ischemic stroke in male and female according to baseline WC (in 11 levels)

| WC levels* | Total no. | No. of events | IR (per 1,000 person years) | Multivariate-adjusted HR (95% CI) |
|------------|-----------|---------------|----------------------------|----------------------------------|
|            |           |               | Total                      | (adding BMI as a variable)       |
| Male       |           |               |                            |                                  |
| Myocardial infarction |     |               |                            |                                  |
| 1          | 60,003    | 435           | 1.358                      | 0.996 (0.905–1.097)             |
| 2          | 288,138   | 1,517         | 0.972                      | 0.911 (0.864–0.960)             |
| 3          | 1,021,703 | 4,878         | 0.873                      | 0.852 (0.826–0.880)             |
| 4          | 1,942,501 | 10,212        | 0.955                      | 0.884 (0.863–0.906)             |
| 5          | 2,903,610 | 18,789        | 1.171                      | 0.948 (0.929–0.968)             |
| 6          | 2,457,563 | 19,058        | 1.407                      | 1.029 (1.006–1.053)             |
| 7          | 1,465,226 | 12,998        | 1.619                      | 1.083 (1.052–1.116)             |
| 8          | 612,705   | 5,960         | 1.790                      | 1.089 (1.041–1.140)             |
| 9          | 219,884   | 2,155         | 1.823                      | 1.143 (1.055–1.239)             |
| 10         | 66,022    | 626           | 1.787                      | 1.127 (0.994–1.277)             |
| 11         | 31,757    | 250           | 1.506                      | 1.029 (1.000–1.048)             |
| Ischemic stroke | |               |                            |                                  |
| 1          | 60,003    | 605           | 1.891                      | 0.963 (0.887–1.045)             |
| 2          | 288,138   | 1,972         | 1.264                      | 0.883 (0.843–0.925)             |
| 3          | 1,021,703 | 6,989         | 1.251                      | 0.953 (0.927–0.979)             |
| 4          | 1,942,501 | 14,052        | 1.315                      | 0.963 (0.943–0.984)             |
| 5          | 2,903,610 | 25,017        | 1.561                      | 0.990 (0.973–1.008)             |
| 6          | 2,457,563 | 24,792        | 1.833                      | 1.017 (0.997–1.037)             |
| 7          | 1,465,226 | 17,996        | 2.132                      | 1.073 (1.046–1.100)             |
| 8          | 612,705   | 7,975         | 2.399                      | 1.067 (1.026–1.109)             |
| 9          | 219,884   | 2,872         | 2.433                      | 1.099 (1.024–1.180)             |
| 10         | 66,022    | 810           | 2.315                      | 1.051 (0.936–1.180)             |
| 11         | 31,757    | 298           | 1.797                      | 1.176 (1.043–1.325)             |
| Female     |           |               |                            |                                  |
| Myocardial infarction |     |               |                            |                                  |
| 1          | 135,029   | 223           | 0.314                      | 0.812 (0.719–0.920)             |
| 2          | 780,459   | 1,074         | 0.260                      | 0.776 (0.678–0.827)             |
| 3          | 1,789,018 | 3,322         | 0.348                      | 0.801 (0.700–0.834)             |
| 4          | 2,369,594 | 7,277         | 0.571                      | 0.877 (0.851–0.904)             |
| 5          | 2,129,359 | 9,859         | 0.854                      | 0.921 (0.896–0.946)             |
| 6          | 1,705,384 | 11,640        | 1.253                      | 1.050 (1.020–1.080)             |
| 7          | 971,935   | 8,415         | 1.589                      | 1.102 (1.065–1.139)             |
| 8          | 489,146   | 5,068         | 1.908                      | 1.123 (1.073–1.176)             |
| 9          | 198,742   | 2,201         | 2.056                      | 1.257 (1.175–1.346)             |
| 10         | 74,494    | 923           | 2.331                      | 1.253 (1.136–1.386)             |
| 11         | 37,009    | 409           | 2.120                      | 1.253 (1.136–1.386)             |
| Ischemic stroke | |               |                            |                                  |
| 1          | 135,029   | 321           | 0.452                      | 0.759 (0.679–0.848)             |
| 2          | 780,459   | 1,544         | 0.574                      | 0.794 (0.753–0.837)             |
| 3          | 1,789,018 | 4,778         | 0.501                      | 0.808 (0.782–0.835)             |
| 4          | 2,369,594 | 10,895        | 0.855                      | 0.881 (0.860–0.903)             |
| 5          | 2,129,359 | 15,630        | 1.356                      | 0.943 (0.923–0.964)             |
| 6          | 1,705,384 | 18,568        | 2.002                      | 1.038 (1.015–1.062)             |
| 7          | 971,935   | 13,556        | 2.567                      | 1.067 (1.040–1.096)             |
| 8          | 489,146   | 8,138         | 3.073                      | 1.100 (1.061–1.140)             |
| 9          | 198,742   | 3,596         | 3.371                      | 1.100 (1.061–1.140)             |
| 10         | 74,494    | 1,500         | 3.804                      | 1.235 (1.171–1.303)             |
| 11         | 37,009    | 633           | 3.291                      | 1.182 (1.091–1.280)             |

*P<0.0001 for all data. Data were adjusted for age, sex, smoking, alcohol drinking, regular physical activity, low-income status, hypertension, diabetes, dyslipidemia, chronic obstructive pulmonary disease, and cancer.

IR, incidence rate; HR, hazard ratio; CI, confidence interval; WC, waist circumference; BMI, body mass index.

*WC levels, in cm: level 1 (male <65, female <60), level 2 (male 65 to 69.9, female 60 to 64.9), level 3 (male 70 to 74.9, female 65 to 69.9), level 4 (male 75 to 79.9, female 70 to 74.9), level 5 (male 80 to 84.9, female 75 to 79.9), level 6 (male 85 to 89.9, female 80 to 84.9), level 7 (male 90 to 94.9, female 85 to 89.9), level 8 (male 95 to 99.9, female 90 to 94.9), level 9 (male 100 to 104.9, female 95 to 99.9), level 10 (male 105 to 109.9, female 100 to 104.9), and level 11 (male ≥110, female ≥105).