

SUPPLEMENTARY DATA

**Supplementary Table 1.** Baseline characteristics according to quartiles of 8-oxodG.

Characteristic	1st Quartile (N=338)	2nd Quartile (N=338)	3rd Quartile (N=338)	4th Quartile (N=338)	<i>P</i> *
8-oxodG (nmol/mmol creatinine)	<1.60	1.60-2.09	2.10-2.77	>2.77	
Male sex (%)	62.4	53.0	53.6	44.1	<0.001
Age (yr)	62.1 (54.2–70.1)	65.6 (54.5–73.5)	64.7 (54.8–72.3)	69.4 (59.4–75.7)	<0.001
Smoking status (%)					0.06
Never	26.0	30.2	28.6	37.0	
Previous	36.4	37.5	34.7	30.7	
Current	37.6	32.3	36.8	32.2	
Physical activity (%)					0.09
Low	27.1	25.4	26.3	32.3	
Moderate	66.9	66.7	65.9	64.4	
High	6.1	8.0	7.9	3.3	
Cohabitation status (Living alone) (%)	27.4	30.3	29.6	41.0	<0.001
Education (Higher) (%)	76.2	79.6	79.8	80.6	0.52
Glycated hemoglobin (%)	9.9 (8.3–11.2)	9.8 (8.4–11.7)	10.3 (8.9–11.9)	10.7 (9.1–12.2)	<0.001
Total cholesterol (mmol/l)	6.5 (5.6–7.4)	6.2 (5.4–7.0)	6.2 (5.4–7.1)	6.0 (5.2–6.9)	0.001
Fasting triglycerides (mmol/l)	2.28 (1.44–3.38)	1.89 (1.41–2.66)	2.05 (1.38–2.93)	1.87 (1.37–2.65)	0.05
Serum creatinine (μmol/l)	90.0 (83.0–103.0)	90.0 (80.0–101.0)	89.0 (79.0–99.0)	87.0 (78.5–99.0)	0.03
Urinary albumin (mg/l)	10.4 (5.3–25.5)	10.8 (5.5–23.9)	11.2 (6.2–29.1)	15.5 (6.9–35.9)	0.63
Hypertension (%)†	76.0	74.3	74.0	73.4	0.87
BMI (kg/m <sup>2</sup> )	29.7 (26.7–33.2)	29.7 (26.4–33.6)	29.0 (26.0–32.4)	28.3 (24.9–31.2)	<0.001
Retinopathy (%)	3.3	4.7	5.0	4.9	0.75
Peripheral neuropathy (%)	17.2	20.5	18.9	20.4	0.66
History of AMI (%)	10.4	8.6	7.7	7.1	0.45
History of stroke (%)	5.3	3.0	4.1	5.0	0.44

Medians (interquartile ranges) are shown. \* *P* values are from chi-square tests (for categorical data) or from analysis of variance (for continuous data).

† Hypertension was defined as systolic/diastolic blood pressure ≥160/90 mm Hg or the use of antihypertensive drugs

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**Supplementary Table 2.** Baseline characteristics according to quartiles of 8-oxoGuo.

Characteristic	1st Quartile (N=336)	2nd Quartile (N=337)	3rd Quartile (N=337)	4th Quartile (N=337)	<i>P</i> *
8-oxoGuo (mol/mmol creatinine)	<2.86	2.86-3.63	3.64-4.77	>4.77	
Male sex (%)	64.9	59.6	46.6	41.5	<0.001
Age (yr)	60.8 (51.3–69.1)	62.0 (53.6–70.1)	66.8 (58.6–74.5)	70.2 (61.9–76.6)	<0.001
Smoking status (%)					0.02
Never	25.2	29.7	28.8	38.3	
Previous	36.5	33.6	37.7	31.3	
Current	38.3	36.7	33.4	30.4	
Physical activity (%)					<0.001
Low	21.3	24.8	26.3	38.9	
Moderate	68.7	67.2	70.0	58.1	
High	10.0	8.0	3.7	3.0	
Cohabitation status (Living alone) (%)	25.8	20.3	33.0	42.8	<0.001
Education (Higher) (%)	70.9	79.7	79.3	86.4	<0.001
Glycated hemoglobin (%)	9.7 (8.3–11.0)	9.8 (8.5–11.4)	10.4 (8.8–12.0)	11.0 (9.1–12.4)	<0.001
Total cholesterol (mmol/l)	6.2 (5.4–7.1)	6.2 (5.5–7.1)	6.2 (5.4–7.1)	6.2 (5.3–7.2)	0.99
Fasting triglycerides (mmol/l)	1.96 (1.30–2.86)	1.94 (1.34–2.89)	1.99 (1.47–2.83)	2.02 (1.49–2.93)	0.32
Serum creatinine (μmol/l)	90.0 (82.0–101.0)	90.0 (80.0–100.0)	88.0 (79.0–101.0)	89.0 (79.0–102.0)	0.21
Urinary albumin (mg/l)	10.0 (5.4–21.2)	11.6 (5.5–23.7)	11.5 (6.3–29.5)	15.5 (7.0–42.2)	0.21
Hypertension (%)†	73.5	69.7	77.4	77.4	0.06
BMI (kg/m <sup>2</sup> )	29.1 (26.2–32.2)	29.4 (26.6–32.9)	29.4 (26.4–33.1)	28.7 (25.1–32.6)	0.24
Retinopathy (%)	4.1	4.7	2.6	6.5	0.14
Peripheral neuropathy (%)	15.0	16.3	21.3	24.0	0.009
History of AMI (%)	9.0	7.1	7.5	10.4	0.40
History of stroke (%)	3.6	4.5	4.5	5.0	0.83

Medians (interquartile ranges) are shown. \* *P* values are from chi-square tests (for categorical data) or from analysis of variance (for continuous data).

† Hypertension was defined as systolic/diastolic blood pressure ≥160/90 mm Hg or the use of antihypertensive drugs.