

Supplementary tables

Supplementary Table 1: Baseline characteristics according to the *GCKR* rs780094 polymorphism in EPIC-Norfolk participants (n=19,800)

	Total	rs780094 (<i>GCKR</i>)			p
		GG	GA	AA	
	19,800	7,372 (32.2)	9,337 (47.2)	3,091 (15.6)	
Age (y)	59.4 (9.3)	59.3 (9.3)	59.5 (9.3)	59.5 (9.2)	0.353
Men (%)	48.5	47.8	48.7	49.3	
BMI (kg/m²)	26.3 (3.8)	26.4 (3.9)	26.3 (3.7)	26.2 (3.6)	0.058
WC (cm)	88.7 (12.2)	88.7 (12.4)	88.7 (12.2)	88.6 (12.0)	0.779
TG (mmol/L)	1.8 (0.9)	1.69 (0.83)	1.77 (0.86)	1.86 (0.89)	<0.001
Total cholesterol (mmol/L)	6.2 (1.1)	6.12 (1.12)	6.17 (1.14)	6.25 (1.19)	<0.001
LDL-c (mmol/L)	4.0 (1.0)	3.97 (1.03)	3.97 (1.04)	4.02 (1.07)	0.173
HDL-c (mmol/L)	1.4 (0.4)	1.39 (0.41)	1.40 (0.42)	1.39 (0.41)	0.798
ApoB (mmol/L)	0.97 (0.24)	0.96 (0.24)	0.97 (0.24)	0.99 (0.25)	<0.001
ApoA (mmol/L)	1.54 (0.33)	1.53 (0.33)	1.54 (0.32)	1.54 (0.32)	0.229
ApoB/ApoA-1	0.65 (0.19)	0.64 (0.19)	0.65 (0.19)	0.66 (0.19)	0.018
HbA1c (%)	5.3 (0.8)	5.34 (0.84)	5.32 (0.84)	5.30 (0.84)	0.49
Social class (%)					
Uncoded	0.3	0.4	0.3	0.2	0.341
Professional	6.8	7.4	6.1	6.9	
Managerial & technical	36.7	35.7	37.2	37.4	
Skilled non-manual	16.6	16.9	16.4	16.8	
Skilled manual	23.3	23.2	23.5	23.5	
Partly skilled	12.9	13.3	12.9	11.9	
Unskilled	3.3	3.1	3.4	3.6	
Education level (%)					
Low	36.3	35.8	37.6	33.9	0.038
O-level or equivalent	10.3	10.5	9.9	11.2	
A-level or equivalent	40.8	41.2	40.3	41.2	
University degree or equivalent	12.6	12.6	12.2	13.7	
Physical activity (%)					
Inactive	30.2	30.1	30.1	30.4	0.536
Moderately inactive	28.7	28.5	29.3	27.4	

Moderately active	22.5	22.6	21.9	23.8	
Active	18.7	18.8	18.6	18.4	
Smoking (%)					
Never	11.3	11.1	11.7	10.8	0.432
Former	42.9	43.7	42.2	43.1	
Current	45.8	45.1	46.2	46.1	
Dietary components of rMED					
(g/day)**					
Overall rMED score	7.8 (2.7)	7.8 (2.7)	7.8 (2.7)	7.7 (2.7)	0.096
Vegetables	235.7 (150.1)	238.9 (147.7)	227.2 (149.6)	223.8 (145.8)	0.113
Fruit and nuts	223.1 (199.7)	211.4 (194.5)	206.2 (194.0)	208.9 (196.3)	0.389
Legumes	54.5 (43.0)	54.5 (42.8)	54.2 (43.0)	52.2 (43.5)	0.306
Fish	32.1 (27.2)	32.1 (27.3)	32.1 (27.2)	32.1 (25.1)	0.883
Cereals	248.9 (118.3)	245.9 (124.1)	249.4 (124.2)	247.9 (123.1)	0.818
Olive oil	0.8 (0.9)	0.98 (0.98)	0.98 (0.98)	0.98 (0.98)	0.781
Alcohol	3.1 (9.2)	4.7 (10.6)	4.7 (10.1)	4.7 (10.1)	0.128
Meat and meat products	94.6 (64.0)	97.4 (64.9)	98.2 (64.0)	98.2 (65.9)	0.414
Dairy products	87.5 (82.7)	82.8 (80.3)	81.2 (77.4)	80.1 (76.1)	0.062

*rMED (relative Mediterranean Diet Score: categories: low adherence to MD (rMED 0-6); medium adherence to the MD (rMED 7-10); high adherence to MD (rMED 11-18). BMI, Body Mass Index, WC, waist circumference, PA, Physical activity ** Values for dietary components of rMED are presented as Median (interquartile range) Continuous variables are presented as mean (SD, standard deviation)