

Table S1. Equations for estimating GFR

eGFR _{cys} ^a	$66.8 \times \text{cystatin C}^{-1.30}$
eGFR _{MDRD} ^b	$175 \times S_{cr}^{-1.154} \times \text{age}^{-0.203} \times 0.742$ [if female] $\times 1.272$ [if black]
eGFR _{CKD-EPI} ^c	$141 \times \min(S_{cr}/k, 1)^{\alpha} \times \max(S_{cr}/k, 1)^{-1.209} \times 0.993^{\text{age}}$ $\times 1.018$ [if female] $\times 1.159$ [if black]

^a GFR estimated with Rules equation of 2006.

^b GFR estimated by the Modification of Diet in Renal Disease equation

^c GFR estimated by the Chronic Kidney Disease Epidemiology equation

S_{cr} is serum creatinine, k is 0.7 for females and 0.9 for males, α is -0.329 for females and -0.411 for males,

min indicates the minimum of Scr/k , and max indicates the maximum of Scr/k

Table S2. Study population characteristics of included persons in the RENIS-T6 cohort compared to those not included (but eligible) from the sixth Tromsø Study (Tromsø 6)^a

	Included (n=1627)	Not included (n=1198)	P-value ^b
Male sex (%)	49.2 ^c	43.7 ^c	
Age (years)	56.9 (56.7 - 57.1)	57.0 (56.8 - 57.2)	0.004
Height (cm)	170.6 (170.2 - 171.1)	170.1 (169.6 - 170.7)	0.36
Weight (kg)	78.7 (78.0 - 79.4)	76.9 (76.0 - 77.7)	0.02
Body mass index (kg/m ²)	26.9 (26.7 - 27.1)	26.5 (26.2 - 26.7)	0.002
Body surface area (m ²)	1.90 (1.89 - 1.91)	1.88 (1.87 - 1.89)	0.09
Estimated GFR ^d (ml/min/1.73m ²)	91.8 (91.1 - 92.6)	90.4 (89.5 - 91.3)	0.04
Albumin-creatinine ratio ^e (mg/g)	3.31 (1.88 - 6.10)	3.40 (1.84 - 6.30)	0.42
Systolic BP (mmHg)	134.5 (133.5 - 135.5)	133.3 (132.2 - 134.4)	0.08
Diastolic BP (mmHg)	79.7 (79.1 - 80.2)	78.5 (77.9 - 79.1)	0.02
LDL cholesterol (mg/dL)	145.6 (143.9 - 147.2)	147.9 (145.9 - 150.0)	0.05
HDL cholesterol (mg/dL)	59.9 (59.0 - 60.7)	61.2 (60.2 - 62.2)	0.33
Triglycerides ^e (mg/dL)	115.2 (79.7 - 168.3)	115.1 (79.7 - 159.4)	0.20
Current daily smoking (%)	21.1 (19.0 - 23.0)	21.9 (20.0 - 23.0)	0.60
Leisure-time physical exercise ^f			0.10
Never exercise (%)	3.6 (2.8 - 5.1)	5.1 (3.7 - 7.0)	
Low intensity exercise ^g (%)	39.6 (38.0 - 44.0)	38.8 (35.4 - 42.3)	
High intensity exercise ^h (%)	53.0 (52.0 - 58.0)	50.4 (46.8 - 53.9)	

Values are mean (95% CI) or median (IQR), weighted according to the age- and sex-stratification of RENIS-T6.

^a Study population characteristics measured at Tromsø 6 (non-fasting and ahead of RENIS-T6).

^b P-value for difference between included versus not included persons in age- and sex-adjusted multiple linear regression for mean values, quantile regression for median values and by chi-square in case of categorical variables.

^c The sex difference between included versus not included persons is because participants were included stratified by gender.

^d GFR estimated with the recalibrated four-variable Modification of Diet in Renal Disease Study equation.

^e Values are the median (IQR)

^f 60 and 65 persons with missing information on exercise for those included and those not included, respectively.

^g Easy exercise; without becoming breathless or sweaty.

^h Hard exercise; becoming breathless and sweaty, or exhausted.