

Supplementary material 16. Hazard ratio and 95% CI for all-cause, cancer, and cardiovascular mortality according to different combinations of lifestyle factors, stratified by CKD status

	No. of participants	All-cause mortality		Cancer mortality		Cardiovascular mortality	
		No. of deaths	HR (95% CI)	No. of deaths	HR (95% CI)	No. of deaths	HR (95% CI)
Three significant factors: no smoking, physically active, and healthy eating habits							
Non-CKD							
Linear	202,349	2,376	0.73 (0.69 to 0.77)	1,308	0.74 (0.69 to 0.80)	392	0.83 (0.73 to 0.83)
Categories							
0	7,644	144	1.00 (ref)	68	1.00 (ref)	25	1.00 (ref)
1	38,792	551	0.66 (0.55 to 0.80)	305	0.74 (0.57 to 0.96)	85	0.57 (0.36 to 0.89)
2	107,809	1,214	0.51 (0.43 to 0.61)	662	0.55 (0.42 to 0.71)	203	0.45 (0.30 to 0.69)
3 (healthiest)	48,104	467	0.37 (0.30 to 0.44)	273	0.41 (0.31 to 0.54)	79	0.33 (0.21 to 0.53)
CKD							
Linear	44,449	887	0.74 (0.68 to 0.80)	436	0.79 (0.70 to 0.89)	217	0.73 (0.61 to 0.86)
Categories							
0	1,401	51	1.00 (ref)	23	1.00 (ref)	11	1.00 (ref)
1	7,779	191	0.62 (0.46 to 0.85)	89	0.63 (0.40 to 0.99)	48	0.73 (0.38 to 1.40)
2	22,819	451	0.51 (0.38 to 0.68)	215	0.52 (0.33 to 0.80)	115	0.59 (0.31 to 1.10)
3 (healthiest)	12,450	194	0.35 (0.26 to 0.49)	109	0.42 (0.27 to 0.66)	43	0.37 (0.19 to 0.73)
<i>P</i> for interaction			0.88		0.75		0.79
Four factors: three factors above and BMI <25 kg/m²							
Non-CKD							
Linear	202,349	2,376	0.80 (0.76 to 0.84)	1,308	0.80 (0.75 to 0.86)	392	0.83 (0.74 to 0.93)
Categories							
0-1	17,348	285	1.00 (ref)	141	1.00 (ref)	51	1.00 (ref)
2	53,343	693	0.76 (0.66 to 0.87)	389	0.82 (0.68 to 0.99)	104	0.63 (0.45 to 0.89)
3	92,885	1,051	0.68 (0.59 to 0.77)	577	0.69 (0.57 to 0.84)	178	0.65 (0.47 to 0.90)
4 (healthiest)	37,773	347	0.47 (0.40 to 0.56)	201	0.50 (0.40 to 0.63)	59	0.47 (0.32 to 0.70)
HR for trend			0.80 (0.76 to 0.84)		0.80 (0.75 to 0.86)		0.83 (0.74 to 0.93)
CKD							
Linear	44,449	887	0.82 (0.76 to 0.88)	436	0.82 (0.74 to 0.91)	217	0.80 (0.69 to 0.93)
Categories							
0-1	4,347	109	1.00 (ref)	53	1.00 (ref)	25	1.00 (ref)
2	12,180	299	0.95 (0.76 to 1.18)	142	0.90 (0.66 to 1.24)	89	1.24 (0.79 to 1.93)
3	19,057	341	0.72 (0.58 to 0.89)	166	0.66 (0.48 to 0.91)	70	0.70 (0.44 to 1.11)
4 (healthiest)	8,865	138	0.59 (0.46 to 0.76)	75	0.59 (0.42 to 0.85)	33	0.71 (0.42 to 1.20)
HR for trend			0.82 (0.76 to 0.88)		0.82 (0.74 to 0.91)		0.80 (0.69 to 0.93)
<i>P</i> for interaction			0.17		0.61		0.01

All analyses were adjusted for age, sex, hypertension, diabetes mellitus, hypercholesterolemia, history of myocardial infarction, history of stroke, and study site. BMI, body mass index; CI, confidence interval; HR, hazard ratio. HR for trend indicates the change in HR by one lifestyle category change towards healthiest. *P* for interaction shows the results of fitting an interaction term between the lifestyle score category and CKD.