

Supplementary materials

Table S1 Risks for CKD onset according to standard deviation grouping of mean SUA levels

Serum Uric Acid	Development of CKD								
	Model1			Model2			Model3		
	OR	95%CI	P-value	OR	95%CI	P-value	OR	95%CI	P-value
Man									
S1		reference			reference			reference	
S2	1.36	0.68-2.73	0.388	1.34	0.67-2.67	0.414	1.36	0.67-2.74	0.396
S3	2.95	1.54-5.68	0.001	2.75	1.43-5.30	0.002	2.89	1.48-5.61	0.002
S4	7.75	4.04-14.84	<0.001	7.15	3.69-13.84	<0.001	7.86	4.02-15.36	<0.001
Woman									
S1		reference			reference			reference	
S2	1.41	0.62-3.20	0.418	1.36	0.60-3.11	0.462	1.38	0.60-3.16	0.448
S3	2.18	0.98-4.85	0.057	1.95	0.87-4.36	0.106	1.99	0.89-4.48	0.096
S4	11.01	5.06-23.92	<0.001	8.83	3.96-19.68	<0.001	8.78	3.91-19.71	<0.001

Note: Model 1 was unadjusted. Model 2 on FBG was adjusted for age and BMI. Model 3 was adjusted for age, BMI, SBP, DBP, FBG, Creatine, and TC. Abbreviations: SUA, serum uric acid; CKD, chronic kidney disease. S1, less than one standard deviation below the mean; S2, one standard deviation below the mean; S3, mean to one standard deviation above the mean; S4, more than one standard deviation above the mean.

Table S2 Risks for CKD in Men by Age and Uric Acid Quartile Levels

Serum Uric Acid	Development of CKD					
	<65 years			≥65 years		
	OR	95%CI	P-value	OR	95%CI	P-value
Q1		reference			reference	
Q2	0.76	0.16-3.70	0.736	0.86	0.46-1.61	0.644
Q3	1.92	0.45-8.17	0.377	1.42	0.80-2.52	0.230
Q4	4.20	1.10-16.07	0.036	2.01	1.16-3.47	0.012

Note: The model was adjusted for age, BMI, systolic blood pressure, diastolic blood pressure, fasting blood glucose, creatinine, and total cholesterol. Abbreviations: CKD, chronic kidney disease.

Table S3 Risks for CKD in Women by menopausal status and Uric Acid Quartile Levels

Serum Uric Acid	Development of CKD					
	Premenopausal			Postmenopausal		
	OR	95%CI	P-value	OR	95%CI	P-value
Q1		reference			reference	
Q2	3.05	0.34-27.41	0.320	0.59	0.29-1.22	0.153
Q3	2.46	0.19-31.32	0.488	1.38	0.74-2.57	0.312
Q4	3.61	0.54-23.96	0.184	2.83	1.59-5.02	<0.001

Note: The model was adjusted for age, BMI, systolic blood pressure, diastolic blood pressure, fasting blood glucose,

14 creatinine, and total cholesterol. Abbreviations: CKD, chronic kidney disease.

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Table S4 Risks for CKD by BMI and Uric Acid Quartile Levels

Serum Uric Acid	Development of CKD					
	Non-obese			Obese		
	OR	95%CI	P-value	OR	95%CI	P-value
Man						
Q1		reference			reference	
Q2	0.97	0.52-1.81	0.918	0.32	0.04-2.67	0.290
Q3	1.43	0.77-2.65	0.256	1.95	0.55-6.86	0.301
Q4	2.46	1.40-4.35	0.002	1.94	0.55-6.90	0.304
Woman						
Q1		reference			reference	
Q2	0.59	0.30-1.20	0.148	0.98	0.06-15.39	0.988
Q3	1.27	0.68-2.37	0.457	2.03	0.22-18.71	0.532
Q4	2.62	1.48-4.63	0.001	3.96	0.47-33.35	0.206

17 Note: The model was adjusted for age, BMI, systolic blood pressure, diastolic blood pressure, fasting blood glucose,

18 creatinine, and total cholesterol. Abbreviations: CKD, chronic kidney disease.

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