

Supplementary Table 6. Risk of incident VHD using SUA 4.0-4.9 mg/dL as the reference group

SUA levels (mg/dL)	No. of events/total No.	Incidence rate per 1,000 person-yr (95% CI)	Absolute risk (%)	Crude	<i>p</i> value	Model 1	<i>p</i> value	Model 4	<i>p</i> value
				HR (95% CI)		HR (95% CI)		HR (95% CI)	
< 3.0	290/14,861	1.59 (1.41–1.79)	1.95	0.75 (0.67–0.85)	< 0.0001	1.06 (0.94–1.19)	0.3348	1.33 (1.08–1.65)	0.0084
3.0–3.9	1,487/76,116	1.59 (1.51–1.68)	1.95	0.76 (0.72–0.81)	< 0.0001	0.92 (0.87–0.98)	0.0092	0.99 (0.88–1.10)	0.8034
4.0–4.9	3,279/128,510	2.10 (2.03–2.17)	2.55	Ref		Ref		Ref	
5.0–5.9	4,032/121,306	2.74 (2.66–2.83)	3.32	1.69 (1.60–1.78)	< 0.0001	1.20 (1.13–1.27)	< 0.0001	1.07 (0.99–1.17)	0.0930
6.0–6.9	2,933/76,469	3.17 (3.06–3.29)	3.84	1.94 (1.83–2.06)	< 0.0001	1.29 (1.22–1.38)	< 0.0001	1.06 (0.97–1.16)	0.1854
7.0–7.9	1,630/32,428	4.17 (3.97–4.38)	5.03	2.50 (2.34–2.67)	< 0.0001	1.59 (1.49–1.71)	< 0.0001	1.25 (1.13–1.39)	< 0.0001
8.0–8.9	608/9,964	5.08 (4.68–5.50)	6.10	2.97 (2.72–3.25)	< 0.0001	1.85 (1.68–2.02)	< 0.0001	1.31 (1.14–1.50)	< 0.0001
9.0–9.9	191/2,368	6.76 (5.84–7.79)	8.07	3.73 (3.22–4.32)	< 0.0001	2.25 (1.94–2.62)	< 0.0001	1.34 (1.08–1.67)	0.0088
≥ 10.0	87/683	11.01 (8.82–13.58)	12.74	6.26 (5.06–7.74)	< 0.0001	3.85 (3.11–4.78)	< 0.0001	2.21 (1.63–2.99)	< 0.0001

VHD, valvular heart disease; SUA, serum uric acid; HR, hazard ratio; CI, confidence interval; BMI, body mass index; SBP, systolic blood pressure; DBP, diastolic blood pressure; LDL, low-density lipoprotein; eGFR, estimated glomerular filtration rate; DM, diabetes mellitus.

Model 1: adjusted for age, sex, and race.

Model 4: adjusted for age, sex, race, overall lifestyles (smoking, physical activity, eating habit, and alcohol frequency), metabolic indicators (BMI, SBP, DBP, LDL-cholesterol, HbA1c, eGFR, and albuminuria), and mediations (aspirin, anti-hypertensive agents, DM medications, lipid lowering medications, uric acid-lowering therapy, and diuretics).