

Supplemental Table 1. Age-adjusted odds ratio for being a stone former according to category of mean relative supersaturation from participants with two 24-hour urine collections within NHSI

Calcium Oxalate RS	Cases	Controls	OR (CI)
<1.0	152	106	1.0 (ref)
1.0-1.9	267	112	1.78 (1.26 to 2.50)
2.0+	191	26	5.75 (3.53 to 9.38)
P trend			<0.001
Calcium Phosphate RS			
<1.0	281	137	1.0 (ref)
1.0-1.9	176	78	1.15 (0.82 to 1.61)
2.0-2.9	89	16	2.78 (1.56 to 4.95)
3.0+	64	13	2.50 (1.32 to 4.73)
P trend			<0.001
Uric Acid RS			
<1.0	260	131	1.0 (ref)
1.0-1.9	167	69	1.28 (0.90 to 1.83)
2.0-2.9	114	27	2.15 (1.34 to 3.45)
3.0+	69	17	2.36 (1.32 to 4.22)
P trend			<0.001

OR, odds ratio; **CI** confidence interval; **NHSI**, Nurses' Health Study I; **RS**, relative supersaturation

Supplemental Table 2. Age-adjusted odds ratio for being a stone former according to category of mean relative supersaturation from participants with two 24-hour urine collections within NHS II

Calcium Oxalate RS	Cases	Controls	OR (CI)
<1.0	124	169	1.0 (ref)
1.0-1.9	282	164	2.26 (1.67 to 3.06)
2.0-2.9	120	32	4.76 (3.01 to 7.53)
3.0+	48	10	6.85 (3.32 to 14.15)
P trend			<0.001
Calcium Phosphate RS			
<1.0	180	180	1.0 (ref)
1.0-1.9	187	129	1.36 (1.00 to 1.85)
2.0-2.9	118	54	2.01 (1.36 to 2.96)
3.0+	89	12	6.62 (3.48 to 12.58)
P trend			<0.001
Uric Acid RS			
<1.0	226	171	1.0 (ref)
1.0-1.9	153	111	0.98 (0.71 to 1.35)
2.0-2.9	99	50	1.59 (1.06 to 2.37)
3.0-3.9	55	24	1.80 (1.07 to 3.04)
4.0+	41	19	1.53 (0.85 to 2.75)
P trend			0.001

OR, odds ratio; CI confidence interval; NHSII, Nurses' Health Study II; **RS**, relative supersaturation

Supplemental Table 3. Age-adjusted odds ratio for being a stone former according to category of mean relative supersaturation from participants with two 24-hour urine collections within HPFS

Calcium Oxalate RS	Cases	Controls	OR (CI)
<1.0	79	93	1.0 (ref)
1.0-1.9	218	95	2.83 (1.92 to 4.18)
2.0-2.9	122	50	3.02 (1.93 to 4.74)
3.0+	45	17	3.41 (1.80 to 6.47)
P trend			<0.001
Calcium Phosphate RS			
<1.0	205	151	1.0 (ref)
1.0-1.9	160	71	1.70 (1.20 to 2.42)
2.0+	99	33	2.27 (1.45 to 3.57)
P trend			<0.001
Uric Acid RS			
<1.0	108	66	1.0 (ref)
1.0-1.9	142	66	1.37 (0.90 to 2.10)
2.0-2.9	112	52	1.41 (0.89 to 2.22)
3.0-3.9	71	35	1.28 (0.77to 2.14)
4.0+	31	36	0.56 (0.32 to 1.00)
P trend			0.66

OR, odds ratio; CI confidence interval; HPFS Health Professionals Follow-up Study; **RS**, relative supersaturation