Supplementary Table 1. Relative risk of kidney stones according to categories of consumption of different beverages - cohort specific results

A. Health Professionals Follow-Up Study

	<1/week	1/week	2-4/week	5-6/week	≥1/day	p-value trend
Regular cola Multivariate HR [95% CI]	1.00 (reference)	1.00 [0.84, 1.20]	1.19 [0.98, 1.45]	1.19 [0.85, 1.67]	0.97 [0.74, 1.26]	0.47
Diet cola Multivariate HR [95% CI]	1.00 (reference)	1.15 [0.95, 1.40]	1.02 [0.84, 1.25]	1.19 [0.87, 1.63]	1.08 [0.89, 1.30]	0.80
Regular non-cola Multivariate HR [95% CI]	1.00 (reference)	1.34 [1.10, 1.63]	1.21 [0.94, 1.56]	1.51 [0.90, 2.53]	1.00 [0.59, 1.67]	0.11
Diet non-cola Multivariate HR [95% CI]	1.00 (reference)	0.99 [0.79, 1.24]	1.06 [0.83, 1.34]	1.28 [0.86, 1.92]	1.28 [0.93, 1.77]	0.05
Coffee Multivariate HR [95% CI]	1.00 (reference)	0.83 [0.62, 1.12]	0.79 [0.62, 1.00]	0.68 [0.50, 0.93]	0.74 [0.65, 0.85]	<0.001
Decaffeinated coffee Multivariate HR [95% CI]	1.00 (reference)	0.94 [0.73, 1.21]	1.13 [0.92, 1.38]	0.70 [0.50, 1.00]	0.77 [0.66, 0.90]	<0.001
Tea Multivariate HR [95% CI]	1.00 (reference)	1.16 [0.96, 1.41]	1.13 [0.94, 1.37]	1.17 [0.90, 1.53]	0.88 [0.74, 1.04]	0.36
Red wine Multivariate HR [95% CI]	1.00 (reference)	1.02 [0.82, 1.27]	0.74 [0.57, 1.00]	1.13 [0.74, 1.72]	0.64 [0.40, 1.02]	0.08
White wine Multivariate HR [95% CI]	1.00 (reference)	0.99 [0.81, 1.20]	1.04 [0.84, 1.29]	0.87 [0.57, 1.33]	0.80 [0.53, 1.20]	0.35
Beer Multivariate HR [95% CI]	1.00 (reference)	1.06 [0.88, 1.27]	0.95 [0.79, 1.14]	0.81 [0.57, 1.13]	0.55 [0.40, 0.74]	<0.001
Liquor Multivariate HR [95% CI]	1.00 (reference)	1.02 [0.83, 1.26]	0.90 [0.74, 1.11]	0.95 [0.70, 1.27]	0.93 [0.75, 1.15]	0.41
Apple juice Multivariate HR [95% CI]*	1.00 (reference)	1.13 [0.94, 1.37]	1.38 [1.12, 1.70]	1.25 [0.80, 1.95]	1.47 [1.01, 2.13]	0.001
Grapefruit juice Multivariate HR [95% CI]*	1.00 (reference)	1.20 [0.95, 1.51]	1.05 [0.80, 1.38]	1.34 [0.82, 2.20]	1.05 [0.69, 1.60]	0.35
Orange juice Multivariate HR [95% CI]*	1.00 (reference)	1.23 [1.02, 1.47]	1.00 [0.84, 1.19]	0.95 [0.75, 1.21]	1.13 [0.96, 1.32]	0.32
Tomato juice Multivariate HR [95% CI]*	1.00 (reference)	0.88 [0.72, 1.08]	0.85 [0.63, 1.16]	1.08 [0.55, 2.11]	1.15 [0.67, 1.96]	0.91
Other juice						

Multivariate HR [95% CI]*	1.00 (reference)	1.01 [0.83, 1.22]	1.08 [0.88, 1.34]	0.96 [0.64, 1.45]	1.06 [0.79, 1.42]	0.52
Punch Multivariate HR [95% CI]	1.00 (reference)	1.02 [0.83, 1.25]	1.32 [1.06, 1.64]	1.41 [0.96, 2.05]	1.23 [0.88, 1.71]	0.006
Whole milk Multivariate HR [95% CI]**	1.00 (reference)	1.05 [0.74, 1.48]	1.13 [0.85, 1.51]	0.87 [0.48, 1.55]	0.91 [0.65, 1.27]	0.76
Skim milk Multivariate HR [95% CI]**	1.00 (reference)	0.89 [0.69, 1.15]	0.97 [0.82, 1.15]	1.00 [0.80, 1.25]	0.87 [0.74, 1.03]	0.23
Water Multivariate HR [95% CI]	1.00 (reference)	0.97 [0.65, 1.45]	0.95 [0.69, 1.30]	1.13 [0.82, 1.55]	1.01 [0.81, 1.27]	0.77

Model adjusted for age, race, region of residence, BMI, use of furosemide, use of thiazides, high blood pressure, diabetes, gout, intake of calcium, potassium, phytate, animal protein, vitamin C, total calories, profession and mutually adjusted for all the beverages. *No adjustment for potassium. **No adjustment for calcium.

B. Nurses' Health Study I

	<1/week	1/week	2-4/week	5-6/week	≥1/day	p-value trend
Regular cola Multivariate HR [95% CI]	1.00 (reference)	0.94 [0.76, 1.16]	1.25 [0.99, 1.58]	0.89 [0.53, 1.50]	1.52 [1.18, 1.97]	0.005
Diet cola Multivariate HR [95% CI]	1.00 (reference)	1.06 [0.86, 1.29]	1.15 [0.96, 1.38]	1.00 [0.73, 1.35]	0.81 [0.68, 0.97]	0.02
Regular non-cola Multivariate HR [95% CI]	1.00 (reference)	0.97 [0.75, 1.26]	1.15 [0.84, 1.57]	1.00 [0.47, 2.13]	1.20 [0.72, 2.00]	0.38
Diet non-cola Multivariate HR [95% CI]	1.00 (reference)	0.84 [0.67, 1.06]	1.28 [1.06, 1.56]	0.62 [0.38, 1.00]	1.31 [1.03, 1.67]	0.07
Coffee Multivariate HR [95% CI]	1.00 (reference)	0.93 [0.67, 1.30]	1.00 [0.78, 1.29]	0.79 [0.55, 1.12]	0.79 [0.70, 0.89]	<0.001
Decaffeinated coffee Multivariate HR [95% CI]	1.00 (reference)	0.96 [0.73, 1.25]	0.87 [0.69, 1.10]	0.93 [0.67, 1.30]	0.88 [0.77, 1.01]	0.13
Tea Multivariate HR [95% CI]	1.00 (reference)	1.21 [1.01, 1.46]	0.99 [0.82, 1.19]	1.16 [0.88, 1.52]	0.85 [0.74, 0.98]	0.04
Red wine Multivariate HR [95% CI]	1.00 (reference)	1.04 [0.79, 1.38]	0.99 [0.72, 1.35]	0.20 [0.05, 0.80]	0.74 [0.43, 1.26]	0.04
White wine Multivariate HR [95% CI]	1.00 (reference)	1.02 [0.82, 1.26]	0.75 [0.58, 1.00]	0.65 [0.39, 1.07]	0.65 [0.45, 0.93]	0.001
Beer Multivariate HR [95% CI]	1.00 (reference)	1.11 [0.82, 1.51]	0.70 [0.44, 1.10]	0.83 [0.37, 1.85]	0.63 [0.34, 1.19]	0.07
Liquor Multivariate HR [95% CI]	1.00 (reference)	0.81 [0.61, 1.07]	1.22 [0.96, 1.55]	0.88 [0.56, 1.37]	0.82 [0.63, 1.08]	0.37
Apple juice Multivariate HR [95% CI]*	1.00 (reference)	0.84 [0.67, 1.06]	1.22 [0.94, 1.57]	0.64 [0.28, 1.44]	0.64 [0.32, 1.29]	0.54
Grapefruit juice Multivariate HR [95% CI]*	1.00 (reference)	0.90 [0.71, 1.15]	0.96 [0.74, 1.25]	0.98 [0.59, 1.65]	1.52 [1.10, 2.10]	0.06
Orange juice Multivariate HR [95% CI]*	1.00 (reference)	0.81 [0.67, 0.99]	0.93 [0.79, 1.09]	0.98 [0.78, 1.24]	0.85 [0.72, 0.99]	0.13
Tomato juice Multivariate HR [95% CI]*	1.00 (reference)	1.06 [0.87, 1.29]	1.11 [0.83, 1.47]	1.18 [0.61, 2.29]	0.66 [0.31, 1.40]	0.94
Other juice Multivariate HR [95% CI]*	1.00 (reference)	1.23 [1.02, 1.48]	1.32 [1.09, 1.59]	1.13 [0.78, 1.62]	1.10 [0.84, 1.45]	0.11
Punch Multivariate HR [95% CI]	1.00 (reference)	1.08 [0.89, 1.31]	1.00 [0.80, 1.24]	1.05 [0.71, 1.56]	0.97 [0.72, 1.30]	0.96

Whole milk Multivariate HR [95% CI]**	1.00 (reference)	1.28 [0.96, 1.71]	0.72 [0.51, 1.01]	0.69 [0.35, 1.33]	1.09 [0.81, 1.46]	0.46
Skim milk Multivariate HR [95% CI]**	1.00 (reference)	1.16 [0.91, 1.47]	0.99 [0.84, 1.18]	0.87 [0.69, 1.10]	0.79 [0.68, 0.91	<0.001
Water Multivariate HR [95% CI]	1.00 (reference)	0.92 [0.62, 1.38]	0.89 [0.65, 1.22]	0.93 [0.66, 1.31]	0.91 [0.74, 1.10]	0.59

Model adjusted for age, race, region of residence, BMI, use of furosemide, use of thiazides, high blood pressure, diabetes, gout, intake of calcium, potassium, phytate, animal protein, vitamin C, total calories and mutually adjusted for all the beverages. *No adjustment for potassium. **No adjustment for calcium.

C. Nurses' Health Study II

	<1/week	1/week	2-4/week	5-6/week	≥1/day	p-value trend
Regular cola Multivariate HR [95% CI]	1.00 (reference)	1.25 [1.07, 1.46]	1.15 [0.96, 1.38]	1.39 [1.04, 1.84]	1.26 [1.04, 1.52]	0.01
Diet cola Multivariate HR [95% CI]	1.00 (reference)	0.85 [0.71, 1.03]	1.00 [0.84, 1.17]	0.96 [0.75, 1.23]	0.88 [0.77, 1.01]	0.02
Regular non-cola Multivariate HR [95% CI]	1.00 (reference)	1.18 [0.99, 1.41]	0.90 [0.69, 1.16]	1.09 [0.67, 1.78]	1.57 [1.17, 2.11]	0.02
Diet non-cola Multivariate HR [95% CI]	1.00 (reference)	1.08 [0.90, 1.29]	1.03 [0.84, 1.26]	1.31 [0.95, 1.79]	1.01 [0.81, 1.26]	0.73
Coffee Multivariate HR [95% CI]	1.00 (reference)	1.10 [0.86, 1.41]	1.03 [0.84, 1.26]	1.06 [0.82, 1.36]	0.71 [0.64, 0.79]	<0.001
Decaffeinated coffee Multivariate HR [95% CI]	1.00 (reference)	1.13 [0.92, 1.39]	0.78 [0.62, 0.99]	0.67 [0.44, 1.00]	0.84 [0.72, 0.98]	0.003
Tea Multivariate HR [95% CI]	1.00 (reference)	0.98 [0.83, 1.15]	0.93 [0.79, 1.09]	1.10 [0.88, 1.37]	0.93 [0.82, 1.04]	0.20
Red wine Multivariate HR [95% CI]	1.00 (reference)	0.84 [0.65, 1.10]	0.97 [0.72, 1.29]	0.83 [0.42, 1.60]	0.75 [0.38, 1.44]	0.25
White wine Multivariate HR [95% CI]	1.00 (reference)	0.97 [0.79, 1.20]	1.03 [0.82, 1.30]	0.77 [0.45, 1.31]	0.50 [0.28, 0.89]	0.02
Beer Multivariate HR [95% CI]	1.00 (reference)	0.80 [0.62, 1.04]	0.59 [0.40, 0.87]	1.30 [0.75, 2.25]	0.81 [0.42, 1.57]	0.19
Liquor Multivariate HR [95% CI]	1.00 (reference)	0.83 [0.63, 1.09]	1.05 [0.77, 1.44]	0.67 [0.30, 1.50]	0.82 [0.45, 1.48]	0.31
Apple juice Multivariate HR [95% CI]*	1.00 (reference)	1.02 [0.88, 1.19]	0.92 [0.74, 1.13]	1.45 [0.98, 2.14]	0.89 [0.55, 1.45]	0.61
Grapefruit juice Multivariate HR [95% CI]*	1.00 (reference)	1.16 [0.93, 1.43]	1.18 [0.91, 1.54]	0.88 [0.48, 1.59]	1.19 [0.76, 1.88]	0.26
Orange juice Multivariate HR [95% CI]*	1.00 (reference)	0.95 [0.83, 1.09]	0.91 [0.79, 1.05]	0.93 [0.74, 1.15]	0.95 [0.81, 1.12]	0.51
Tomato juice Multivariate HR [95% CI]*	1.00 (reference)	1.32 [1.09, 1.59]	1.34 [1.00, 1.79]	0.65 [0.24, 1.75]	1.89 [1.06, 3.37]	0.01
Other juice Multivariate HR [95% CI]*	1.00 (reference)	1.19 [1.04, 1.37]	1.16 [1.00, 1.36]	1.02 [0.77, 1.34]	1.00 [0.80, 1.26]	0.59
Punch Multivariate HR [95% CI]	1.00 (reference)	1.14 [0.99, 1.32]	1.16 [0.99, 1.35]	1.21 [0.94, 1.55]	1.26 [1.05, 1.53]	0.004

Whole milk Multivariate HR [95% CI]**	1.00 (reference)	0.92 [0.68, 1.25]	1.03 [0.76, 1.39]	0.81 [0.41, 1.57]	0.92 [0.65, 1.30]	0.62
Skim milk Multivariate HR [95% CI]**	1.00 (reference)	0.86 [0.69, 1.07]	0.97 [0.83, 1.12]	0.91 [0.73, 1.12]	1.00 [0.88 [1.14]]	0.98
Water Multivariate HR [95% CI]	1.00 (reference)	0.83 [0.62, 1.10]	0.98 [0.79, 1.22]	0.84 [0.65, 1.08]	0.85 [0.74, 0.98]	0.04

Model adjusted for age, race, region of residence, BMI, use of furosemide, use of thiazides, high blood pressure, diabetes, gout, intake of calcium, potassium, phytate, animal protein, vitamin C, total calories and mutually adjusted for all the beverages. *No adjustment for potassium. **No adjustment for calcium.