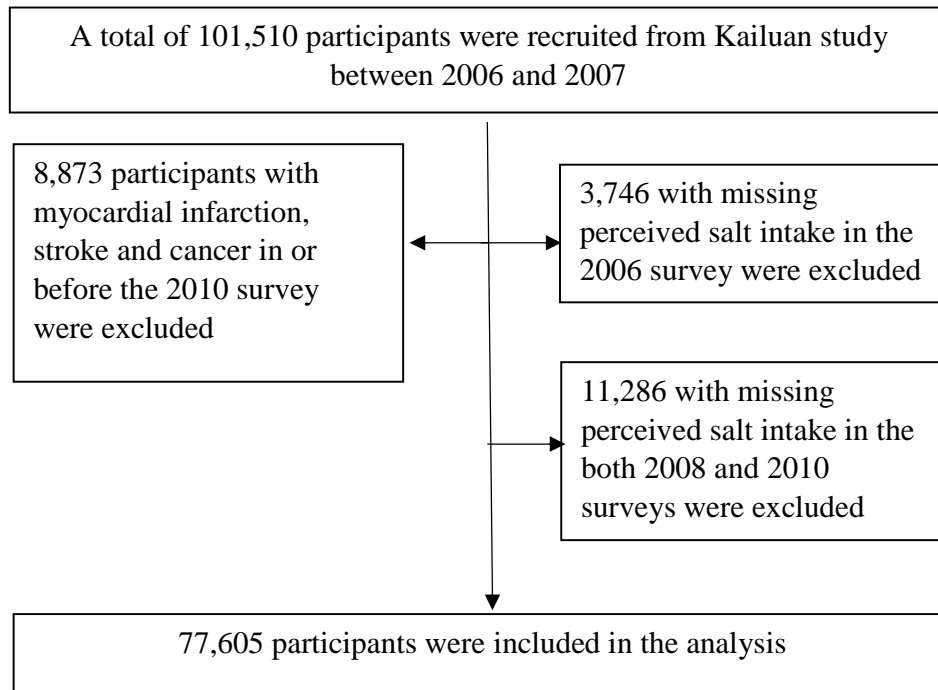


SUPPLEMENTAL MATERIAL

Supplemental Figure I

Supplemental Table I

Supplemental Table II



Supplemental Figure I

Participant flowchart of the study

Supplemental Table I

Characteristics of participants with vs. without salt data

	With salt data	Without salt data	P value
N	77,605	15,032	
Age, year	53.6±12.0	62.5±12.8	<0.001
Women, %	22.2	13.7	<0.001
Smoking status, %			<0.001
Never	60.1	63.5	
Past	5.1	6.2	
Current	34.8	30.2	
Alcohol intake, %			<0.001
Never	65.2	72.8	
Past	3.6	4.3	
Light*	6.7	3.8	
Moderate*	4.5	4.3	
Heavy*	20.0	14.7	
Physical activity, %			<0.001
3+ times/week	14.8	14.9	
1-2 times/week	76.1	78.6	
Never	9.1	6.5	
Education, %			<0.001
College /university	7.6	4.8	
Middle school	83.7	79.6	
Illiteracy or elementary school	8.8	15.6	
Average income, %			<0.001
≥¥3000/ month	6.8	5.8	
¥500 to ¥2999/ month	64.0	69.8	
<¥500/month	29.2	24.4	
Use of antihypertensive agent [†] , %	16.5	12.3	<0.001

Use of lipid-lowering agents [†] , %	1.8	0.7	<0.001
Use of hypoglycemic agents [†] , %	4.6	3.1	<0.001
Body mass index, kg/m ²	25.0±3.4	24.9±3.6	<0.001
hs-CRP ^{†,‡} , mg/mL	1.35(1.93)	1.10(2.13)	<0.001
Fasting blood glucose [†] , mmol/L	5.56±1.39	5.61±1.82	<0.001
Total cholesterol [†] , mmol/L	4.98±0.89	4.97±1.11	0.38
Triglycerides ^{†,‡} , mmol/L	1.32(0.96)	1.27(0.97)	0.87
HDL-C [†] , mmol/L	1.53±0.33	1.57±0.41	<0.001
LDL-C [†] , mmol/L	2.52±0.66	2.35±0.86	<0.001
Systolic blood pressure [†] , mmHg	130±17.5	135±21.3	<0.001
Diastolic blood pressure [†] , mmHg	84.0±9.6	84.4±11.5	<0.001
eGFR ² , mL/min/1.73m ²	85.5±17.0	79.4±18.8	<0.001
Incident stroke case #	1564	432	
Age- and sex-adjusted hazard ratio and 95% CI	1 (ref)	0.91 (0.81,1.02)	0.09
Fully adjusted hazard ratio and 95% CI	1 (ref)	1.01 (0.88, 1.15)	0.92

* Light drinker: 0.1-0.4 servings/day for women and 0.1-0.9 serving/day for men; moderate: 0.5-1.5 servings/day for women and 1-2 serving/day for men; heavy: >1.5 servings/day for women and >2 serving/day for men; based on 15g of alcohol per day.

[†] Average values based on measurements in 2006, 2008, and 2010.

[‡] Median (interquartile range).

Hs-CRP, high sensitivity C-reactive protein; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; eGFR, estimated glomerular filtration rate; CI: confidence interval.

Supplemental Table II

Adjusted Hazard Ratios and 95% confidence intervals for risk of stroke, according to the salt intake trajectory patterns during 2006 to 2010, by sex, age or hypertension, among 77,605 Kailuan participants

	Moderate- Stable	Moderate- Decreasing	Moderate- Increasing	Low- Increasing	High- Decreasing	<i>P</i> interaction
Men						0.22
Case # /n	1097/45707	128/7175	69/2518	42/2195	66/2808	
Incidence rate/1000 person yrs	4.99	3.60	5.73	3.98	4.90	
Fully adjusted model 1 *	1.00	0.77(0.64,0.93)	1.07(0.84,1.37)	0.82(0.60,1.11)	0.98(0.76,1.26)	
Women						
Case # /n	128/13534	13/2093	3/457	12/684	6/434	
Incidence rate/1000 person yrs	1.96	1.26	1.34	3.71	2.94	
Fully adjusted model 1 *	1.00	0.75(0.43,1.31)	0.61(0.19,1.92)	1.91(1.03,3.51)	1.35(0.58,3.10)	
Age≥60						0.58
Case # /n	645/18224	67/2319	38/935	28/935	38/876	
Incidence rate/1000 person yrs	7.69	6.13	8.81	6.53	9.51	
Fully adjusted model 2 [†]	1.00	0.75(0.58,0.97)	1.09(0.79,1.52)	0.84(0.58,1.24)	1.11(0.79,1.53)	
Age<60						
Case # /n	580/41017	74/6949	34/2040	26/1944	34/2366	
Incidence rate/1000 person yrs	2.88	2.12	3.41	2.74	2.95	
Fully adjusted model 2 [†]	1.00	0.79(0.62,1.01)	0.97(0.68,1.34)	1.03(0.70,1.54)	0.91(0.64,1.30)	
Hypertension						0.08

Case # /n	836/23899	88/3736	43/1257	41/1086	48/1322	
Incidence rate/1000 person yrs	7.35	4.78	7.22	8.08	7.67	
Fully adjusted model 3 [‡]	1.00	0.67(0.54,0.84)	0.89(0.66,1.21)	1.04(0.76,1.42)	0.93(0.69,1.25)	
Non-Hypertension						
Case # /n	389/35342	53/5532	29/1718	13/1793	24/1920	
Incidence rate/1000 person yrs	2.27	1.93	3.49	1.49	2.59	
Fully adjusted model 3 [‡]	1.00	0.97(0.73,1.29)	1.40(0.96,2.05)	0.70(0.40,1.22)	1.21(0.80,1.84)	
eGFR <60 mL/min/1.73m²						0.45
Case # /n	119/4550	11/540	8/176	4/153	6/145	
Incidence rate/1000 person yrs	5.57	4.18	10.07	5.54	9.02	
Fully adjusted model 1 [*]	1.00	0.90(0.48,1.69)	1.70(0.82,3.50)	1.02(0.37,2.81)	1.40(0.60,3.29)	
eGFR ≥60 mL/min/1.73m²						
Case # /n	1106/54644	130/8726	64/2798	50/2722	66/3094	
Incidence rate/1000 person yrs	4.20	3.01	4.75	3.83	4.45	
Fully adjusted model 1 [*]	1.00	0.77(0.64,0.92)	1.00(0.78,1.28)	0.93(0.70,1.24)	0.99(0.77,1.27)	

* Adjusted for age, smoking (current, past, or never), alcohol intake (never, past, light, moderate, or heavy), education (illiteracy or elementary school, middle school, or college/university), physical activity (never, sometimes, or active), average monthly income of each family member (<¥500, ¥500 to ¥3000, or ≥¥3000), systolic blood pressure (≤120, 121-139, ≥140 mmHg), diastolic blood pressure (≤80, 81-89, ≥90 mmHg), estimated glomerular filtration rate(≤30, 31-59, 60-89, ≥90 mL/min/1.73m²), average concentration of triglycerides, high-density lipoprotein cholesterol, low-density lipoprotein cholesterol, high sensitivity C-reactive protein, fasting blood glucose and body mass index, use of antihypertensive, hypoglycemic, and lipid-lowering medications (yes/no for each).

† Adjusted for sex and variables in model 1.

‡ Adjusted for variables in model 2 except use of antihypertensive medications.