

Supplementary Table S1. Sex-specific changes in systolic and diastolic blood pressures with time by changes in living environment in everyday life according to drinking status.

	Men		Women	
	Without living environment changes (reference)	With living environment changes	Without living environment changes (reference)	With living environment changes
Non-current drinkers				
Number	1,711	3,925	4,058	10,072
		β (95% CI) p value		β (95% CI) p value
Systolic blood pressure				
Baseline difference	0	0.14 (-0.54, 0.81)	0.69	0 -0.29 (-0.74, 0.16)
Time-dependent difference**	0	-0.19 (-0.47, 0.10)	0.20	0 -0.22 (-0.40, -0.04)
Diastolic blood pressure				
Baseline difference	0	0.49 (0.01, 0.97)	0.045	0 0.23 (-0.08, 0.54)
Time-dependent difference**	0	0.04 (-0.16, 0.24)	0.70	0 0.02 (-0.11, 0.14)
Current drinkers of ethanol at 1–22 g/day or \geq 23 g/day				
Number	1,303	3,087	207	965
		β (95% CI) p value		β (95% CI) p value
Systolic blood pressure				
Baseline difference	0	-0.03 (-0.80, 0.75)	0.95	0 0.43 (-1.30, 2.15)
Time-dependent difference**	0	0.13 (-0.20, 0.47)	0.43	0 -0.66 (-1.46, 0.14)
Diastolic blood pressure				
Baseline difference	0	0.72 (0.17, 1.27)	0.01*	0 0.74 (-0.53, 2.01)
Time-dependent difference**	0	0.005 (-0.23, 0.24)	0.97	0 -0.38 (-0.96, 0.21)

* p value of interaction with time

** Time \times changes in living environment

Adjusted for age, antihypertensive medication use from 2012 to 2015, current smoking, drinking status, regular physical exercise, subjective sufficient sleep, K6 score, and BMI from 2012 to 2015.

The p-value of interaction with time is based on the assessment comparing between reference category ("without living-environment changes") and other categories by using the linear mixed-effect models.

Supplemental Table S2. Sex-specific baseline characteristics of participants with only one baseline measurement by changes in living environment (n=9,040).

	Men		<i>p</i> for difference	Women		
	Without living environment changes	With living environment changes		Without living environment changes	With living environment changes	<i>p</i> for difference
Number	1,157	2,741		1,384	3,758	
Age, mean (SD)	59.5 (17.4)	53.6 (18.5)	<0.001	58.1 (18.4)	50.9 (19.4)	<0.001
BMI (kg/m²), mean (SD)	24.1 (3.7)	24.3 (3.8)	0.08	23.3 (3.8)	23.2 (4.2)	0.39
Systolic blood pressure, mean (SD)	129.8 (16.7)	127.4 (15.7)	<0.001	126.4 (17.8)	121.7 (17.8)	<0.001
Diastolic blood pressure, mean (SD)	76.5 (10.9)	76.6 (10.9)	0.67	73.4 (11.1)	72.3 (11.3)	0.01
Antihypertensive medication use, %	15.9	13.3	0.031	15.6	10.4	<0.001
Hypertension, %	38.1	33.2	0.003	33.2	24.3	<0.001
High triglycerides, %	24.0	26.7	0.09	15.2	14.8	0.75
High LDL cholesterol, %	33.8	35.2	0.41	42.4	38.9	0.02
Low HDL cholesterol, %	23.0	22.2	0.60	22.9	18.5	<0.001
Diabetes, %	17.9	15.8	0.10	11.5	8.3	<0.001
Smoking Status:						
never, %	28.1	25.5	0.09	81.1	72.9	<0.001
ex-smokers, %	39.1	34.5	0.006	6.4	8.7	0.008
current smokers, %	28.3	34.1	<0.001	5.3	11.5	<0.001
Drinking Status:						
never, %	36.4	36.7	0.85	76.0	70.9	<0.001
Occasional drinkers, %	22.9	22.8	0.94	16.7	18.3	0.18
current drinkers, %	38.6	37.8	0.64	5.3	8.2	<0.001
K6≥13, %	6.7	13.8	<0.001	10.7	16.9	<0.001
Regular physical exercise (yes), %	56.4	48.6	<0.001	47.1	42.0	0.001
Subjective sufficient sleep (yes), %	91.2	83.6	<0.001	89.9	79.2	<0.001

Hypertension: systolic pressure ≥ 140mmHg or diastolic pressure ≥ 90mmHg, and/or antihypertensive medication use

High triglycerides: triglycerides ≥ 150 mg/dl (1.69mmol/l)

High LDL cholesterol: LDL cholesterol ≥ 140mg/dl (3.62mmol/l) or medication use

Low HDL cholesterol:HDL cholesterol < 40mg/dl (1.03mmol/l) or medication use

Diabetes: fasting glucose ≥ 126mg/dl (7.0mmol/l), or casual blood glucose ≥ 200mg/dl (11.1mmol) and/or on treatment or HbA1c ≥ 6.5%

Drinking Status: never drinkers: never or rarely, occasional drinkers: sometimes, current drinkers : everyday