

Supplemental material 8. Odds ratios for deleterious health effects according to air conditioner use in participants who have chronic disease using a multiple logistic regression model

	Used air conditioner for more than 10 hours per day on weekdays			Used air conditioner more than 15 hours per day on weekend days and holidays			Use air conditioner set lower than 24°C			Use air conditioning during sleep		
	OR	SE	95% CI	OR	SE	95% CI	OR	SE	95% CI	OR	SE	95% CI
Physical or mental symptoms	1.63	0.37	(0.79 - 3.39)	1.71	0.40	(0.78 - 3.74)	1.13	0.33	(0.59 - 2.17)	1.55	0.35	(0.79 - 3.07)
Heat-related disorder	1.72	0.38	(0.82 - 3.64)	0.97	0.40	(0.45 - 2.12)	1.42	0.34	(0.73 - 2.77)	1.45	0.37	(0.70 - 3.01)
Skin disorder	1.35	0.37	(0.66 - 2.79)	1.42	0.38	(0.67 - 3.00)	0.96	0.34	(0.50 - 1.86)	1.78	0.36	(0.87 - 3.61)
Gastrointestinal disorder	1.57	0.37	(0.77 - 3.22)	1.57	0.38	(0.75 - 3.30)	1.05	0.33	(0.55 - 2.00)	1.14	0.35	(0.58 - 2.25)
Cardiovascular disorder	1.48	0.62	(0.44 - 4.97)	2.51	0.63	(0.72 - 8.69)	0.95	0.59	(0.30 - 3.03)	1.54	0.68	(0.41 - 5.81)
Renal and urinary disorder	0.25	0.97	(0.04 - 1.64)	0.85	0.99	(0.12 - 5.96)	4.82	0.78	(1.05 - 22.16)	0.94	0.88	(0.17 - 5.22)
Neurological disorder	1.01	0.37	(0.49 - 2.06)	1.22	0.38	(0.58 - 2.57)	2.53	0.35	(1.27 - 5.03)	1.14	0.36	(0.57 - 2.28)
Allergic disorder	1.01	0.50	(0.38 - 2.67)	1.42	0.50	(0.53 - 3.77)	2.09	0.43	(0.90 - 4.85)	0.73	0.45	(0.30 - 1.75)
Respiratory disorder	1.83	0.48	(0.71 - 4.68)	1.66	0.48	(0.65 - 4.22)	1.43	0.44	(0.60 - 3.41)	4.38	0.61	(1.34 - 14.37)
Mental disorder	0.92	0.47	(0.37 - 2.29)	1.19	0.49	(0.45 - 3.10)	1.43	0.41	(0.64 - 3.18)	1.88	0.47	(0.75 - 4.71)
Sleep disorder	1.86	0.36	(0.91 - 3.78)	1.47	0.38	(0.71 - 3.08)	1.26	0.33	(0.66 - 2.38)	1.71	0.35	(0.86 - 3.41)
Symptoms of air-conditioningitis	1.35	0.37	(0.66 - 2.77)	1.05	0.39	(0.49 - 2.25)	0.98	0.34	(0.50 - 1.90)	2.37	0.38	(1.13 - 5.00)
Received treatment for air-conditioningitis	1.53	0.45	(0.63 - 3.71)	1.15	0.48	(0.45 - 2.97)	1.17	0.42	(0.52 - 2.66)	1.70	0.49	(0.65 - 4.42)
Symptoms of food poisoning	2.06	0.53	(0.73 - 5.81)	0.68	0.59	(0.21 - 2.15)	0.78	0.47	(0.31 - 1.97)	1.10	0.52	(0.40 - 3.05)
Absence due to the heat wave	0.54	1.31	(0.04 - 7.03)	0.58	1.34	(0.04 - 8.05)	0.66	0.94	(0.10 - 4.17)	0.12	1.10	(0.01 - 1.07)
Lateness due to the heat wave	1.83	0.75	(0.42 - 7.89)	1.33	0.70	(0.34 - 5.28)	0.98	0.58	(0.31 - 3.04)	0.84	0.62	(0.25 - 2.87)
Appointment cancellation due to the heat wave	1.27	0.36	(0.63 - 2.55)	0.98	0.38	(0.47 - 2.04)	1.03	0.33	(0.54 - 1.96)	1.17	0.35	(0.59 - 2.31)

OR, odds ratio calculated by the multiple logistic regression model; SE, standard error.

Reference group: used air conditioner for fewer than 10 hours per day on weekdays, used air conditioner for fewer than 15 hours per day on weekend days and holidays, used air conditioner set higher than 24°C, and did not use air conditioner during sleep.

Covariates: sex, age, residential area, job, type of housing, number of household members, relative poverty (defined as a monthly household income less than 50% of the standard median income), and obesity (body mass index ≥ 25 kg/m²).