

Supported Information

Table S1 Description for daily ambient air pollutants, temperature and relative humidity in 74 Chinese cities during 2016–2017.

Variable	Region	Mean	SD	Minimum	Median	Maximum
$PM_{2.5}$ ($\mu\text{g}/\text{m}^3$)	Overall	50	38	3	39	389
	Northern region	58	43	4	45	389
	Southern region	42	29	3	34	343
Temperature ($^{\circ}\text{C}$)	Overall	15	10	−23	17	37
	Northern region	12	11	−23	14	35
	Southern region	18	8	−8	19	37
Relative humidity (%)	Overall	69	18	7	71	100
	Northern region	61	19	7	61	100
	Southern region	76	13	17	77	100

Table S2 Demographic characteristics of hospital admission cases, total expenses, and total hospital stays in 74 Chinese cities during 2016–2017. Notes: Subgroups excluded admission cases without sex or age information. Data available for 69 cities with an average of 84.6 million population covered by the UEBMI during 2016–2017, respectively.

Variable	Disease	Total	Northern region	Southern region	Males	Females	Age 15–64 years	Age \geq 65 years
Hospital admissions (million case)	LRI	2.0	1.0	1.0	0.8	0.9	0.8	0.9
	CHD	2.7	2.0	0.7	1.0	1.3	0.8	1.4
	Stroke	1.4	0.8	0.6	0.4	0.8	0.4	0.8
Total expenses (billion CNY)	LRI	20.0	3.7	16.3	7.6	10.4	6.1	11.9
	CHD	30.3	9.2	21.1	10.5	16.7	9.6	17.6
	Stroke	28.7	7.5	21.2	9.8	16.2	8.6	17.4
Total hospital stays (million days)	LRI	16.8	7.6	9.2	6.3	8.0	6.1	8.1
	CHD	22.8	15.8	7.0	8.8	10.7	6.4	13.1
	Stroke	17.9	9.5	8.4	5.2	9.8	5.2	9.8