

Table S1. Characteristics of daily meteorological variables and air pollutants in temperature zones by season (2004–2012)

Parameter, Mean (SD)	CDDs										HDDs						
	Spring		Summer		Autumn		Winter		Spring		Summer		Autumn		Winter		
	Temperat e ^a	Hot ^b	Temperate a	Hot ^b	Temperate ^a	Hot ^b	Temperate a	Hot ^b	Temperate c	Cold ^d	Temperate c	Cold ^d	Temperat e ^c	Cold ^d	Temperate c	Cold ^d	
Heat Wave and Cold Spell																	
Number of hot ^e /cold ^f days	-	-	13.07 (9.51)	26.92 (9.14)	-	-	8.38 (10.92)	0.83 (1.80)	-	-	18.82 (12.41)	15.39 (8.31)	-	-	0.12 (0.41)	9.28 (9.63)	
Hot ^g /cold ^h duration (days)	-	-	2.68 (3.23)	3.65 (4.3)	-	-	2.35 (2.22)	1.5 (0.79)	-	-	3.24 (3.8)	2.66 (3.06)	-	-	1.38 (0.49)	2.23 (1.94)	
Other Meteorological Variables																	
Precipitation (mm)	2.57 (8.67)	2.69 (8.82)	9.05 (24.25)	8.14 (21.92)	2.9 (11.23)	2.69 (11.66)	0.78 (3.54)	1.11 (4.32)	3.4 (10.97)	2.45 (8.07)	7.84 (22.74)	10.2 (26.57)	2.82 (12.04)	2.97 (12.06)	1.18 (5.15)	0.72 (3.13)	
Precipitation (log mm)	-0.06 (1.84)	-0.04 (1.84)	0.4 (2.21)	0.24 (2.36)	-0.01 (1.73)	-0.08 (1.78)	-0.5 (1.92)	-0.43 (1.96)	0.03 (1.88)	-0.15 (1.96)	0.24 (2.28)	0.34 (2.43)	-0.07 (1.77)	-0.07 (1.83)	-0.32 (1.82)	-0.53 (1.92)	
Relative humidity (%)	61.37 (15.41)	57.17 (16.04)	78.21 (10.98)	73.58 (11.03)	69.51 (12.9)	66.1 (12.55)	59.68 (15.12)	57.12 (15.95)	58.65 (17.01)	58.27 (14.85)	75.79 (11.1)	73.98 (11.85)	64.17 (13.76)	67.43 (12.79)	52.37 (17)	59.72 (14.26)	
Sea-level pressure (hPa)	1014.87 (6.33)	1015.07 (6.17)	1007.64 (4.29)	1007.9 (4.19)	1018.18 (5.59)	1018.05 (5.56)	1023.73 (5.21)	1023.37 (5.03)	1014.97 (6.09)	1014.86 (6.33)	1008.08 (4.16)	1007.49 (4.25)	1017.74 (5.5)	1018.36 (5.61)	1022.76 (4.97)	1024.16 (5.17)	
Level of Air Pollutants																	
PM10 (µg/m ³)	66.59 (46.36)	62.34 (44.37)	43.2 (22.74)	41.19 (19.78)	48.47 (26.63)	45.41 (23.69)	59.55 (30.23)	52.19 (25.33)	61.52 (45.56)	67.39 (46.9)	42.53 (19.3)	43.16 (24.38)	44.68 (22.53)	48.08 (27.18)	49.76 (23.16)	61.7 (30.53)	
NO ₂ (ppm)	0.02 (0.01)	0.02 (0.01)	0.02 (0.01)	0.01 (0.01)	0.02 (0.01)	0.02 (0.01)	0.03 (0.01)	0.03 (0.01)	0.02 (0.01)	0.03 (0.01)	0.02 (0.01)	0.02 (0.01)	0.02 (0.01)	0.03 (0.01)	0.02 (0.01)	0.03 (0.01)	

SD, Standard deviation; CDDs, cooling degree days; HDDs, heating degree days; ^a Temperate zone with low cooling degree days (IQR; Q4, fourth quartile value); ^b Hot zone with high cooling degree days (IQR; Q1, first quartile value); ^c Temperate zone with low heating degree days (IQR; Q4); ^d Cold zone with high heating degree days (IQR; Q1); ^e Number of days with an heat index (HI) above 41 °C in summer; ^f Number of days with a minimum temperature below -12 °C in winter; ^g Consecutive days with an HI above 41 °C in summer; ^h Consecutive days with a minimum temperature below -12 °C in winter.

Table S2. Number of admissions for subarachnoid hemorrhage and monthly average temperature in temperate zone and hot zone

Month	Number of Admissions		Temperature					
			Mean ^a		Max ^b		DTR	
	Temperate ^c	Hot ^d	Temperate ^d	Hot ^d	Temperate ^c	Hot ^d	Temperate ^c	Hot ^d
January	1973	2321	-1.90	0.78	3.07	5.64	9.36	8.96
February	1897	2153	0.97	3.35	6.22	8.64	9.92	9.90
March	2084	2174	5.43	7.47	10.70	13.12	10.06	10.69
April	1975	2054	11.52	13.42	17.26	19.60	10.94	11.79
May	2001	2131	17.07	18.75	22.61	24.61	10.34	10.99
June	1833	2034	21.36	22.77	26.30	27.88	9.03	9.33
July	1932	2155	24.06	25.79	27.80	29.94	6.54	7.30
August	1914	1954	25.21	26.58	29.40	30.98	7.33	7.73
September	1832	1993	20.75	22.21	25.57	26.94	8.64	8.49
October	2093	2139	14.76	16.43	20.66	22.32	10.69	10.75
November	2081	2206	7.81	9.77	12.98	15.28	9.71	10.19
December	2311	2523	0.17	2.72	4.87	7.63	8.91	9.10
Total	23,926	25,837	12.32	14.22	17.33	19.43	9.28	9.6

DTR, diurnal temperature change; ^a Mean temperature; ^b Maximum temperature; ^c Temperate zone with low cooling degree days (IQR; Q4); ^d Hot zone with high cooling degree days (IQR; Q1)

Table S3. Number of admissions for subarachnoid hemorrhage and monthly average temperature in temperate zone and cold zone

Month	Number of Admissions		Temperature					
			Mean ^a		Min ^b		DTR	
	Temperate ^c	Cold ^d	Temperate ^c	Cold ^d	Temperate ^c	Cold ^d	Temperate ^c	Cold ^d
January	3001	4225	2.04	-2.85	-1.60	-7.25	8.12	9.32
February	2860	3813	4.38	0.36	0.31	-4.35	8.86	10.01
March	2925	4296	8.03	5.10	3.71	0.21	9.32	10.29
April	2780	3943	13.48	11.69	8.91	6.17	9.84	11.54
May	2865	4077	18.27	17.73	14.14	12.47	9.10	11.10
June	2807	3900	21.98	22.30	18.55	17.83	7.72	9.74
July	2967	3969	25.17	24.66	22.44	21.62	6.33	6.93
August	2587	3757	26.44	25.75	23.59	22.37	6.67	7.75
September	2666	3896	22.48	21.00	19.32	16.90	7.26	9.14
October	2821	4178	17.35	14.55	13.32	9.51	9.09	11.17
November	2826	4141	10.90	7.17	6.88	2.57	8.86	9.87
December	3259	4762	4.09	-0.86	0.29	-5.05	8.29	8.91
Total	34,364	48,957	14.6	12.27	10.87	7.8	8.28	9.64

DTR, diurnal temperature change; ^a Mean temperature; ^b Maximum temperature; ^c Temperate zone with low cooling degree days (IQR; Q4); ^d Hot zone with high cooling degree days (IQR; Q1)