Electronic Supplementary Material (ESI) for Environmental Science: Processes & Impacts.

Supplemental Materials

Association between short-term ambient air pollutant and type 2 diabetes outpatient visits: A time series study in Lanzhou, China

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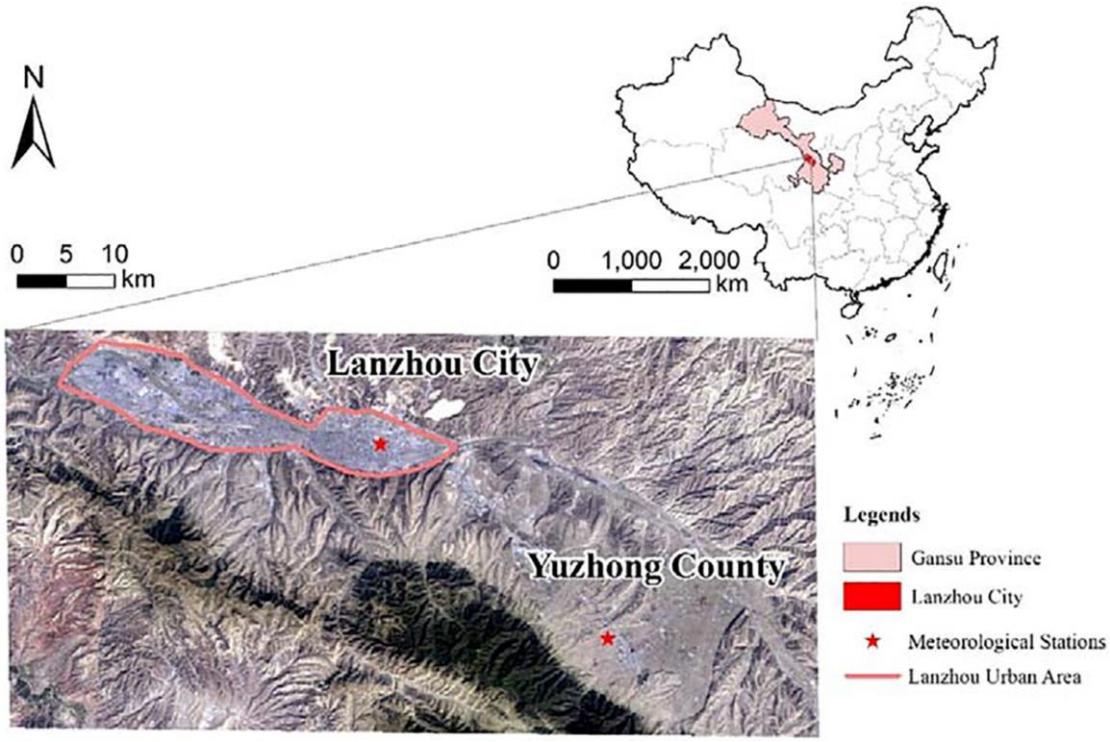

Figure S1 Locations of Lanzhou city in China

The pictures were downloaded from the following article, and also cited from Cheng et al., 2020. [Cheng, X., Lan, T., Mao, R., Gong, D. Y., Han, H. & Liu, X. (2020). Reducing air pollution increases the local diurnal temperature range: A case study of Lanzhou, China. *Meteorological Applications, 27*. https://doi.org//10.1002/met.1939].

Table S1 RR and 95% CI of T2DM outpatient visits associated with 10 μg/m^3 increases in $PM_{2.5}$, PM_{10}, SO_2, NO_2, $O_3$8h and 1 mg/m^3 CO from single-pollutant and two-pollutant models

	$PM_{2.5}$ at lag06 days	PM_{10} at lag06 days	SO_2 at lag03 days	NO_2 at lag03 days	$O_3$8h at lag05 days	CO at lag03 days
Single-pollutant models	1.013(1.001,1.027)	1.002(0.998,1.006)	1.020(0.990,1.051)	1.034(1.018,1.050)	1.012(1.001,1.023)	1.084(1.029,1.142)
Adjusted for $PM_{2.5}$	--	--	1.015(0.983,1.048)	1.036(1.019,1.053)	1.010(1.001,1.023)	1.092(1.028,1.160)
Adjusted for PM_{10}	--	--	1.030(0.992,1.070)	1.034(1.014,1.053)	1.016(1.002,1.030)	1.090(1.021,1.168)
Adjusted for SO_2	1.016(1.004,1.031)	1.002(0.999,1.006)	--	1.040(1.014,1.071)	1.011(1.001,1.023)	1.102(1.053,1.238)
Adjusted for NO_2	1.020(1.003,1.039)	1.004(0.999,1.008)	1.025(0.992,1.065)	--	1.012(1.002,1.022)	1.077(1.021,1.101)
Adjusted for $O_3$8h	1.017(1.001,1.031)	1.003(0.999,1.007)	1.014(0.984,1.046)	1.033(1.017,1.050)	--	1.088(1.032,1.147)
Adjusted for CO	1.013(1.002,1.029)	1.002(0.998,1.005)	1.012(0.918,1.058)	1.043(1.016,1.064)	1.015(1.001,1.023)	--

Table S2 Association between outpatient visits for T2DM and ambient air pollutants: sensitivity varying controls in the regression time spline

	$PM_{2.5}$ at lag06 days	PM_{10} at lag06 days	SO_2 at lag03 days	NO_2 at lag03 days	$O_3$8h at lag05 days	CO [a] at lag03 days
df=6 per year for time	1.010(1.001,1.027)	1.004(0.994,1.009)	1.017(0.991,1.049)	1.037(1.018,1.056)	1.010(1.001,1.023)	1.080(1.021,1.140)
df=7 per year for time	1.013(1.001,1.027)	1.002(0.998,1.006)	1.020(0.990,1.051	1.034(1.018,1.050)	1.012(1.001,1.023)	1.084(1.029,1.142)
df=8 per year for time	1.013(1.002,1.027)	1.003(0.999,1.007)	1.014(0.989,1.057)	1.030(1.010,1.061)	1.013(1.001,1.024)	1.085(1.026,1.144)
df=9 per year for time	1.012(1.003,1.025)	1.001(0.995,1.005)	1.025(0.994,1.066)	1.029(1.012,1.054)	1.016(1.002,1.029)	1.082(1.025,1.141)
df=10 per year for time	1.014(1.001,1.028)	1.004(0.997,1.008)	1.029(0.998,1.090)	1.033(1.017,1.049)	1.020(1.001,1.031)	1.080(1.024,1.143)

Note. [a] except CO, CO Units: 1mg/m^3 increase in CO