

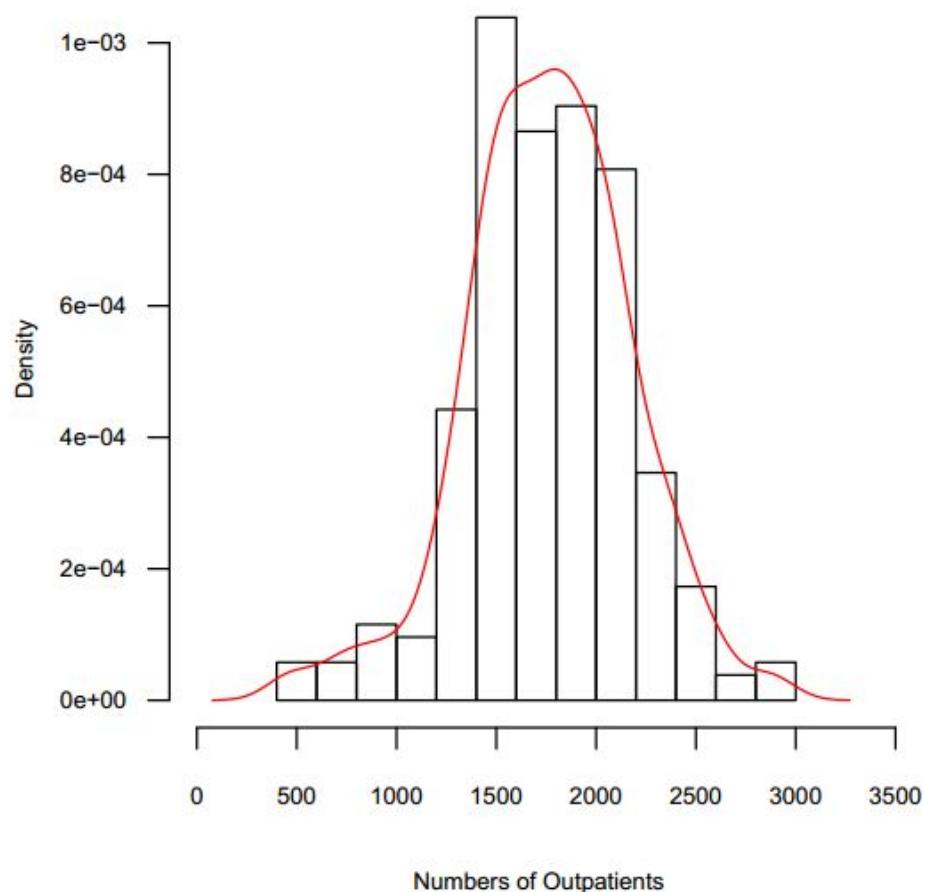
## Supplementary Information

### Ambient air pollution, weather changes, and outpatient visits for allergic conjunctivitis: A retrospective registry study

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#### Supplementary File 1: Distribution of weekly outpatient visits for allergic conjunctivitis



**Figure Legend:** The Anderson–Darling normality test indicated that the distribution is close to normal distribution ( $P = 0.0939$ ).

**Supplementary File 2 Correlation between the Number of Outpatients, with the Interaction between each Pollutant and the Weather Condition by the Stepwise Regression Method**

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Variables	Estimate (95% CI)	P value
<b>SO<sub>2</sub></b>	12.942 (-80.66, 106.543)	0.7856
<b>SO<sub>2</sub>: Wind Velocity</b>	-0.461 (-35.698, 34.776)	0.9795
<b>NO<sub>2</sub></b>	267.814 (75.457, 460.172)	0.0065
<b>NO<sub>2</sub>: Humidity</b>	-2.999 (-5.765, -0.234)	0.0336
<b>PM<sub>10</sub></b>	-2.555 (-14.654, 9.545)	0.6779
<b>O<sub>3</sub></b>	24.411 (-24.092, 72.914)	0.3226
<b>O<sub>3</sub>: Temperature</b>	-0.431 (-2.339, 1.477)	0.6569

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**Supplementary File 3 The *P*-value of Ljung-Box Test for the ARMA Model to Fit  
the Residual of the Univariate Linear Model when Latency is from 1 to 5 Weeks**

Variables	lag=1	lag=2	lag=3	lag=4	lag=5
<b>SO<sub>2</sub></b>	0.4501	0.5845	0.9562	0.9901	0.9708
<b>N0<sub>2</sub></b>	0.0074	0.0245	0.6414	0.9442	0.8835
<b>PM<sub>10</sub></b>	0.0008	0.0094	0.5096	0.8696	0.8338
<b>O<sub>3</sub></b>	0.0051	0.0082	0.4706	0.7899	0.4054
<b>Temperature</b>	0.0026	0.0046	0.3423	0.7650	0.4852
<b>Humidity</b>	0.0001	0.0019	0.4564	0.9421	0.8453
<b>Wind Velocity</b>	0.0001	0.0018	0.4593	0.9402	0.8446

**Supplementary File 4 Principal component analysis for the cutoff age**

Variable	<20		20-50		≥50	
	Estimate	P value	Estimate	P value	Estimate	P value
SO <sub>2</sub>	0.2369	0.2912	0.2347	0.4198	-2.8406	0.0451
NO <sub>2</sub>	0.3130	0.1236	0.5869	0.0273	2.6528	0.0506
PM <sub>10</sub>	0.1223	0.0537	0.0500	0.5480	-0.0163	0.9700
O <sub>3</sub>	0.7192	0.0000	0.4973	0.0005	-0.0817	0.9106
PM <sub>2.5</sub>	0.0019	0.9884	0.0859	0.5977	-0.2974	0.7104
temp.av	3.5536	0.0000	3.7688	0.0001	10.6424	0.0072
temp.hi	3.1007	0.0000	3.2072	0.0001	9.0609	0.0115
temp.lo	2.7642	0.0008	3.4234	0.0006	11.0969	0.0055
pres.av	-1.1897	0.0576	-0.6774	0.3932	-4.0442	0.2545
prec	0.0002	0.7300	-0.0001	0.8655	-0.0030	0.4653
humi.av	-1.0184	0.0005	-0.9148	0.0170	-1.1010	0.5858
velo.av	-1.3714	0.7217	6.8841	0.1786	73.3291	0.0060