

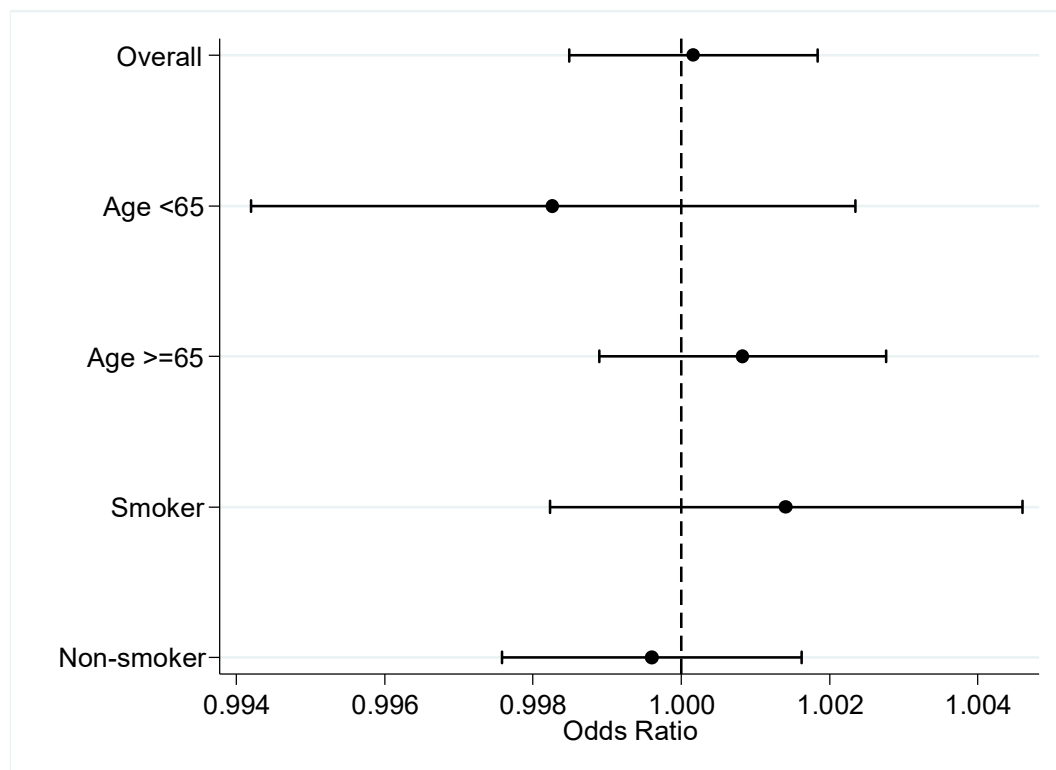


## Supplementary Materials

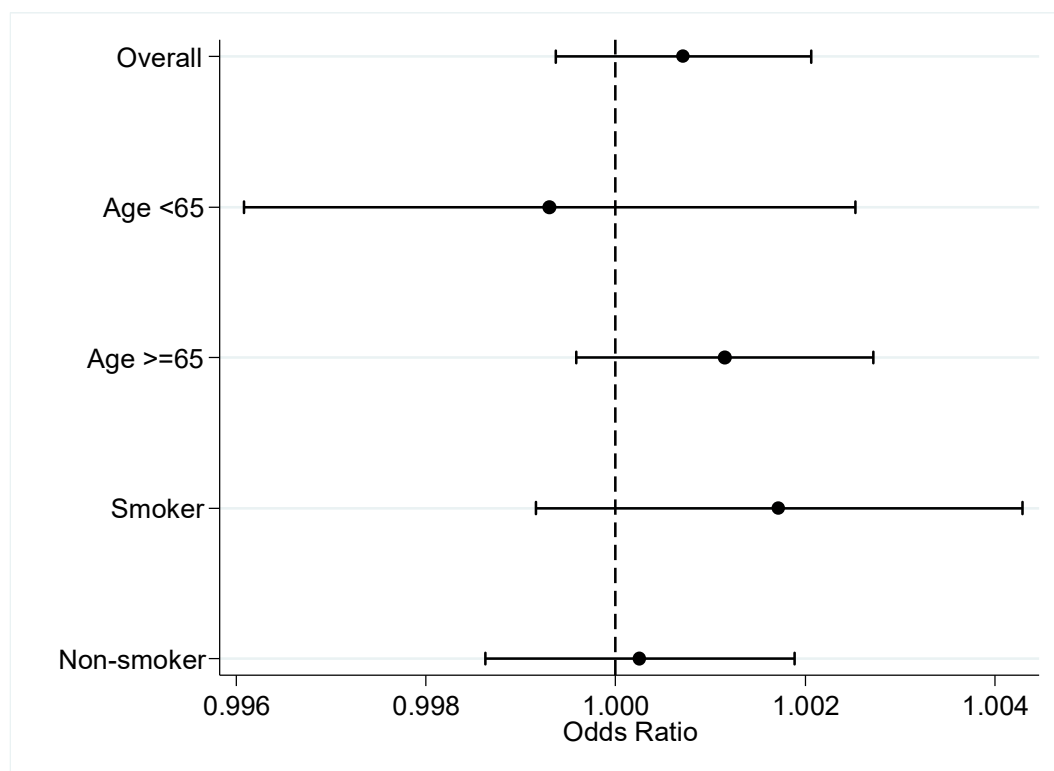
**Table S1.** Modification effect of age group and smoking status on air pollutant and AIS.

Pollutant	Adjusted OR *	95%CI	p Value
Among patients aged ≥65 years relative to those aged <65 years			
PM <sub>2.5</sub>	1.000	0.998–1.001	0.519
PM <sub>10</sub>	1.000	0.999–1.001	0.975
O <sub>3</sub>	1.002	1.000–1.004	0.028
NO <sub>2</sub>	0.997	0.995–1.000	0.066
SO <sub>2</sub>	0.996	0.993–0.999	0.008
CO	0.979	0.878–1.093	0.709
Among patients who smoked relative to those who did not smoke			
PM <sub>2.5</sub>	0.999	0.997–1.000	0.096
PM <sub>10</sub>	0.999	0.997–1.000	0.019
O <sub>3</sub>	0.998	0.996–1.000	0.057
NO <sub>2</sub>	1.002	0.999–1.005	0.132
SO <sub>2</sub>	1.005	1.002–1.008	0.001
CO	0.874	0.780–0.979	0.020

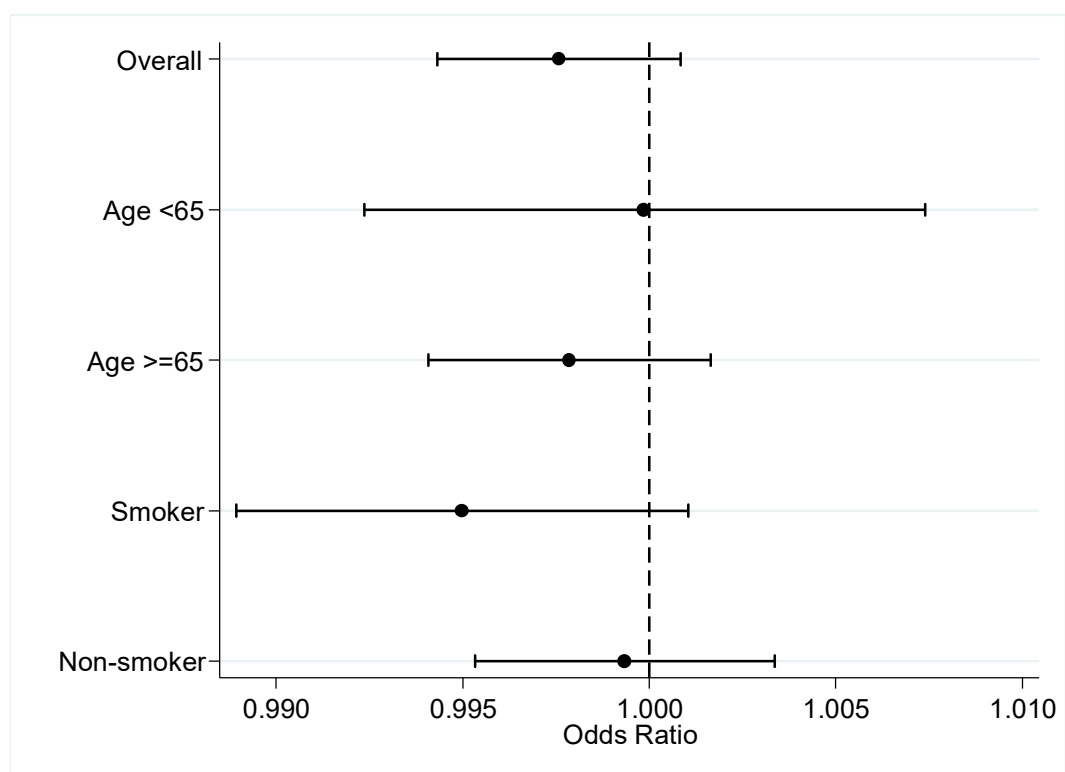
\* Adjusted for daily mean temperature, daily relative humidity and daily total rainfall. Abbreviations: AF—atrial fibrillation; AIS—acute ischemic stroke; CI—confidence interval; CO—carbon monoxide; NO<sub>2</sub>—nitrogen dioxide; O<sub>3</sub>—ozone; OR—odds ratio; PM<sub>2.5</sub>—particulate matter 2.5; PM<sub>10</sub>—particulate matter 10; SO<sub>2</sub>—sulfur dioxide.



**Figure S1.** Adjusted odds of AF for PM<sub>2.5</sub> exposure among all and subgroups of AIS patients.



**Figure S2.** Adjusted odds of AF for PM<sub>10</sub> exposure among all and subgroups of AIS patients.



**Figure S3.** Adjusted odds of AF for NO<sub>2</sub> exposure among all and subgroups of AIS patients.