

Air Pollution, Weather and Positive Airway Pressure Treatment Adherence in Adults with Sleep Apnea: A Retrospective Community-Based Repeated Measures Longitudinal Study

Individuals
(N=8,148)



2013

Median age
54 years



Sex
61% Men

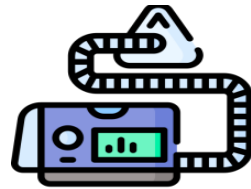


2017

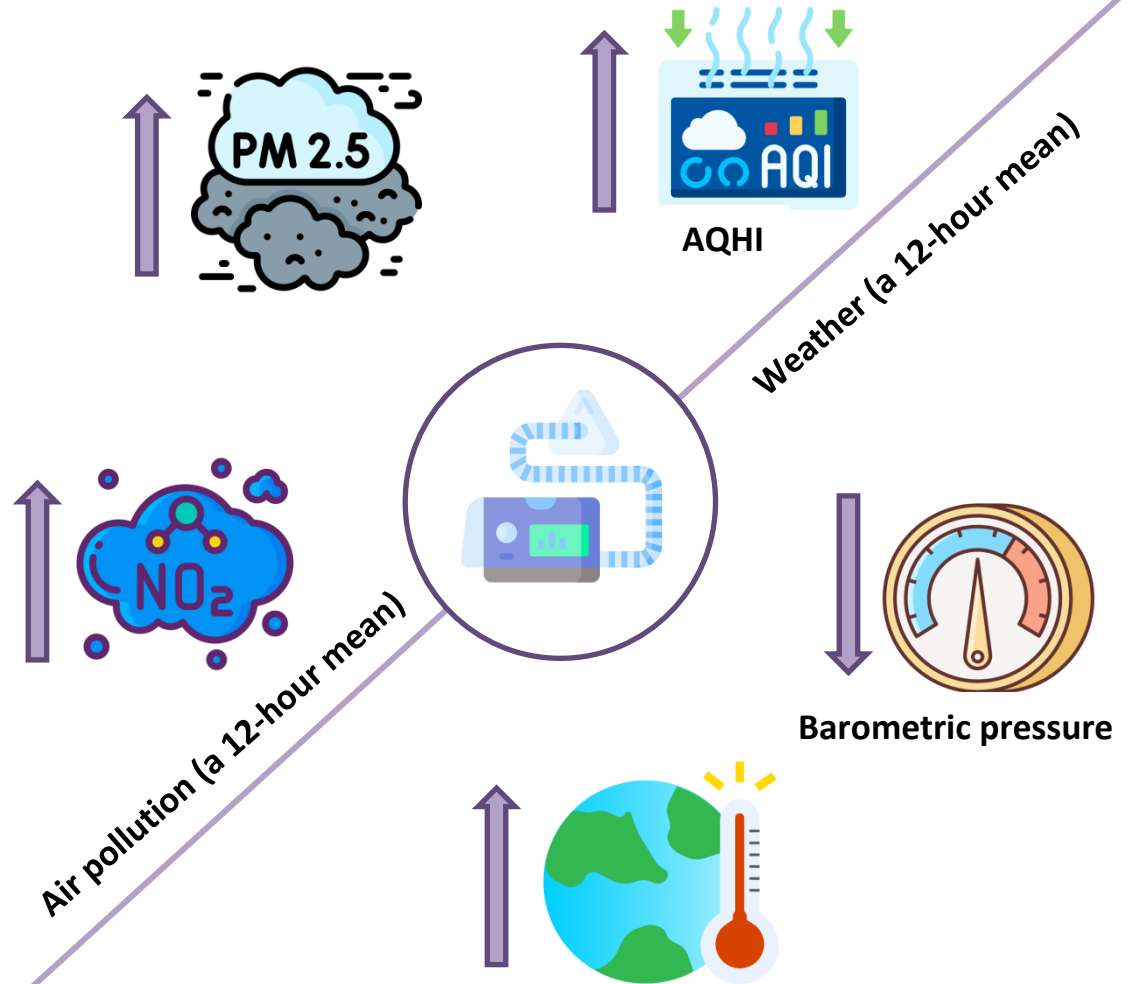
Days of data
(N=2,071,588)



Median daily PAP
usage: 416 min
(IQR: 323-487)



Conditions associated with decrease daily PAP adherence:



Conclusion:

- Daily increases in air pollution were associated with reductions in daily PAP treatment adherence
- PAP adherence was also linked to changes in weather-related characteristics

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