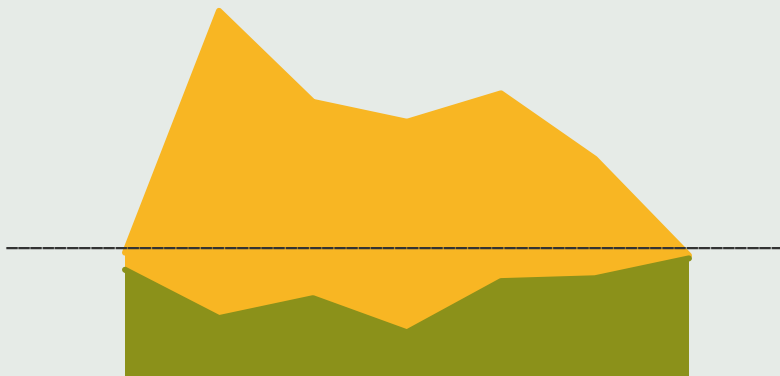


Air Pollution & Asthma

Air Pollution Near Me

2018 Air quality index in Atlanta and surrounding cities from **July 8th-14th** vs **October 7th-13th** according to airnow.gov



Levels remain consistently higher during summer months, but fluctuate dramatically day by day in any month. In this example, the line demonstrates the level at which patients with asthma are at risk for worsening symptoms.

Air Pollution Effects on the Asthmatic

A 2017 review of 22 studies involving a total of over 200,000 patients was done to look into associations between air pollution and asthma exacerbations. The study found a statistically significant association between increasing pollution levels and urgent care and emergency department visits for asthma symptoms. The authors of the study believe the association is due to oxidative stress, airway remodeling and inflammation, and sensitization to aeroallergens [1].

1. P. Orellano, N. Quaranta, J. Reynoso, et al. Effect of outdoor air pollution on asthma exacerbations in children and adults: systematic review and multilevel meta-analysis PLoS One, 12 (2017), p. e0174050

Resources to find Air Pollution Data

www.AirNow.com

Weather Underground Mobile app

World Air Quality Index Online

www.weather.com

