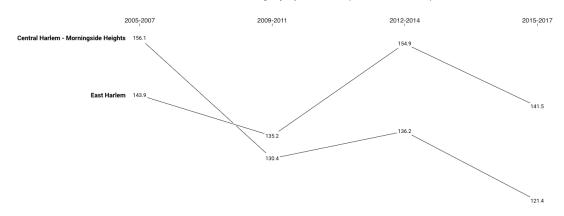# Air Quality and Health Outcomes in NYC

This project leverages data visualization to uncover different trends in the air quality of New York City and how they affect the population's health. By looking at how air quality correlates with different metrics such as Asthma Hospitalizations or Cardiac and Respiratory Deaths in the context of the city geography, we facilitate the analysis of the data and decision making.
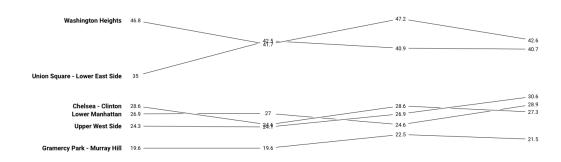
The main findings are that while the majority of the indicators are trending downwards, meaning there is an overall improvement in the health and air quality outcomes, there are still stark differences between neighborhoods. In certain cases, we even observe a reversing of the positive trends in the 2015-2017 period with sharp upwards spikes returning.

Explore the indicators by selecting a metric from the dropdown and choosing the data breakdown by borough or by neighborhood.

🏠 BY BOROUGH   📍 BY NEIGHBORHOOD

Attributable Asthma Emergency Department Visits (Adults 18 Yrs and Older)   ▼

Select Borough: ◯ Bronx   ◯ Brooklyn   ⦿ Manhattan   ◯ Queens   ◯ Staten Island

**Estimated Annual Rate per 100,000 adults
for Attributable Asthma Emergency Department Visits (Adults 18 Yrs and Older)**

2005-2007	2009-2011	2012-2014	2015-2017

Central Harlem - Morningside Heights 156.1
East Harlem 143.9
154.9
135.2
130.4
136.2
141.5
121.4

Washington Heights 46.8
42.5
41.7
47.2
40.9
42.6
40.7

Union Square - Lower East Side 35

Chelsea - Clinton 28.6
Lower Manhattan 26.9
27
28.6
26.9
30.6
28.9
27.3

Upper West Side 24.3
24.9
24.6
22.5
21.5

Gramercy Park - Murray Hill 19.6
19.6

Greenwich Village - SoHo   9.1 ————————————— 8.9 ————————————— 8.8 ————————————— 8.6
Upper East Side   8.5 ————————————— 8.9 ————————————— 7.7