

Health, Energy, and Equity in Policy

AEG Action Challenge

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Climate and Health Impacts in NYC

- Air Quality

- Fossil fuel combustion emits PM2.5, other pollutants linked to respiratory illness and even premature death
- The impacts of air pollutant do not entirely correlate with the highest concentration of pollutants

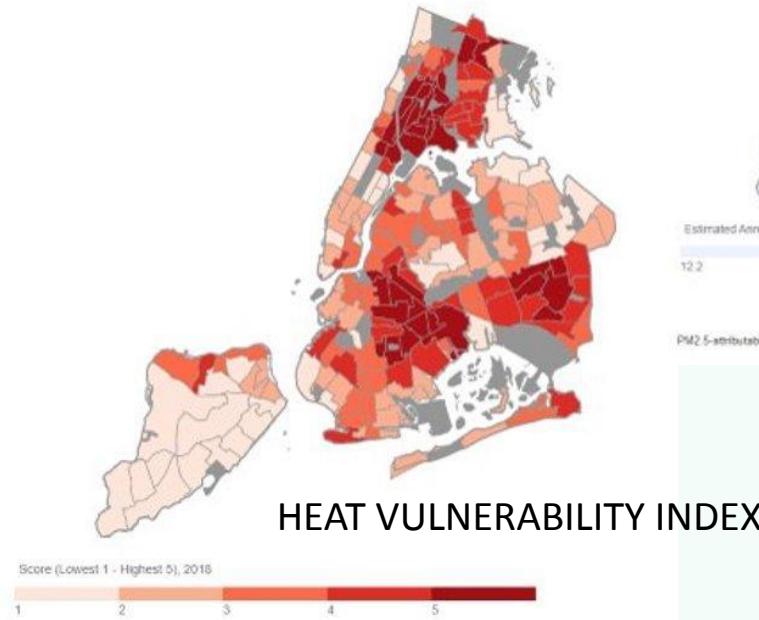
- Extreme Heat

- On average, approximately 370 heat-related deaths in NYC each year, with unequal impacts
- More than all other extreme weather events combined.

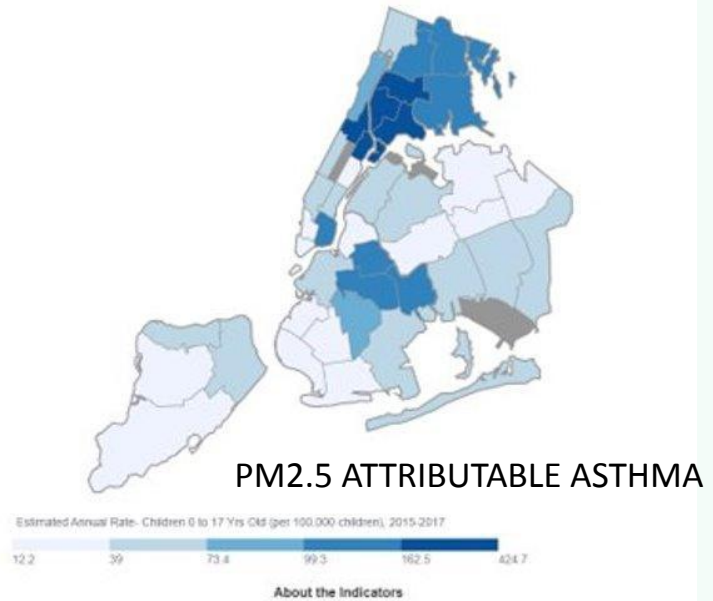
- Energy Cost Burden

- Families that pay over 6% of their income on energy bills are considered energy cost burdened
- As of 2019, over 480,000 low- income families in NYC were energy cost burdened

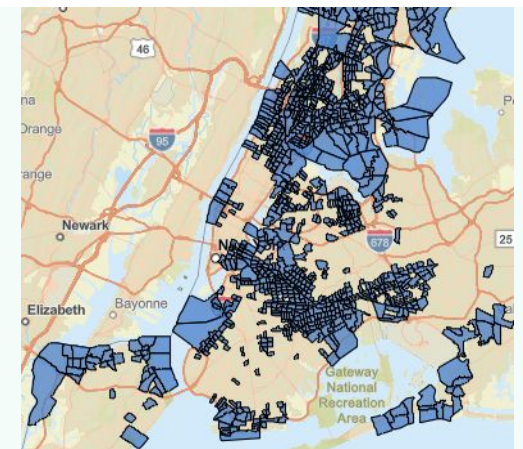
Environment & Health Data Portal
Heat Stress: Heat Vulnerability Index by NTA - Score (Lowest 1 - Highest 5), 2018, Neigh (NTA)



Environment & Health Data Portal
PM_{2.5}-Attributable Asthma Emergency Department Visits - Estimated Annual Rate- Children 0 to 17 Yrs Old (per 100,000 children), 2015-2017, Neighborhood (UHF 42)



PM_{2.5}-attributable asthma ED visits represent part of the health burden imposed by fine particle air pollution.



NYSERDA DAC

Impacts informing Policy

- Air Quality
 - Leading the Charge – School electrification
 - Prioritize districts with high rates of Asthma
 - Require retrofitting of char broilers by 2027
- Extreme Heat
 - Maximum indoor temperature policy
 - Informed by AC access discrepancy
 - Tree Planting and Maintenance
 - Informed by HVI
- Energy Cost Burden
 - Energy Rate Advocacy
 - Energy Cost Burden from ACS data

