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Looking at the environmental justice index in New York, I can see that many parts of Brooklyn are in the 95 - 100 percentile in the Air Toxics Respiratory Hazard Index (HI). This value means that a significant portion of the population in these neighborhoods of New York may be exposed to elevated levels of hazardous air pollutants that pose respiratory health risks. In the area of Brooklyn that I live in (New Utrecht, Bensonhurst, Dyker Heights), there is an even mix of 80 - 90, 90 - 95, and 95 - 100. However as go East and North of Brooklyn (Flatbush, Brownsville, and East New York), the amount of 95 - 100 percentile areas increases. This could be from a variety of factors such as less foliage/green spaces in these areas or commercial activities that lead to more air pollutants in the atmosphere. One organization working to intervene in this issue is the New York City Environmental Justice Alliance (NYC-EJA). It is working on reducing the urban heat island effect and enhancing "cooling" approaches, which involve expanding the urban tree canopy and improving accessibility to cooling facilities. If the solution were up to us, we'd take measures to reduce our personal emissions such as reducing water to reduce the energy required for water treatment and heating.

(Screenshots on next page)

REASONS FOR A HIGH AIR TOXIC RESPIRATORY HAZARD INDEX

INDUSTRIAL EMISSIONS INDUSTRIAL FACILITIES MAY EMIT CHEMICALS AND TOXINS INTO THE AIR, INCREASING THE RISK OF RESPIRATORY HEALTH PROBLEMS FOR NEARBY RESIDENTS.

FEW GREEN SPACES MEAN LESS POLLUTION ABSORPTION, CAUSING HIGHER POLLUTANT LEVELS AND HI.

LACK OF GREEN SPACES/FOLIAGE




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njct25 Neighborhoods in East Brooklyn have been facing a High Air Toxicity Respiratory Hazard Index meaning more New Yorkers are exposed to hazardous air pollutants that can pose respiratory health risks. With the EJScreen Environmental Index we were able to see which neighbors had the highest percentiles. We propose building more green spaces to have more tree foliage and natural sources air pollutant absorption! @turninggreenorg @drbronner @captainplanetfdn @friends_earth #pgc2023

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STATS



Map Contents

- ✓ EJ Indexes
- Air Toxicity Respiratory HI (National Percentiles)
- 95 - 100 percentile
- 90 - 95 percentile
- 80 - 90 percentile
- 70 - 80 percentile
- 60 - 70 percentile
- 50 - 60 percentile
- Less than 50 percentile
- Data not available

NEIGHBORHOODS IN BROOKLYN SUFFERING FROM A HIGH AIR TOXICS RESPIRATORY HAZARD INDEX (HI)

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