

# Progressions in Urbanism and the Sustenance of the Natural Environment

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## Lit Review Summary

- Global urbanization has largely a positive correlation with energy consumption and greenhouse gas emissions.
- Global, urban problems have both caused and been exacerbated by environmental issues.
- Urban spaces are in the unique position to make large impacts on global, environmental problems.
- Urban, ecological citizenship merges the benefits of citizen and ecology.

## Thesis

The review of the literature and of the data leads to the conclusion that both urbanism and the sustenance of the environment progress when there is a focus on civic engagement of urban ecology, conscious and proactive governmental engagement in sustainable development, and the inclusion of green spaces for both human livelihood and the environment to flourish.

## Presentation of Data

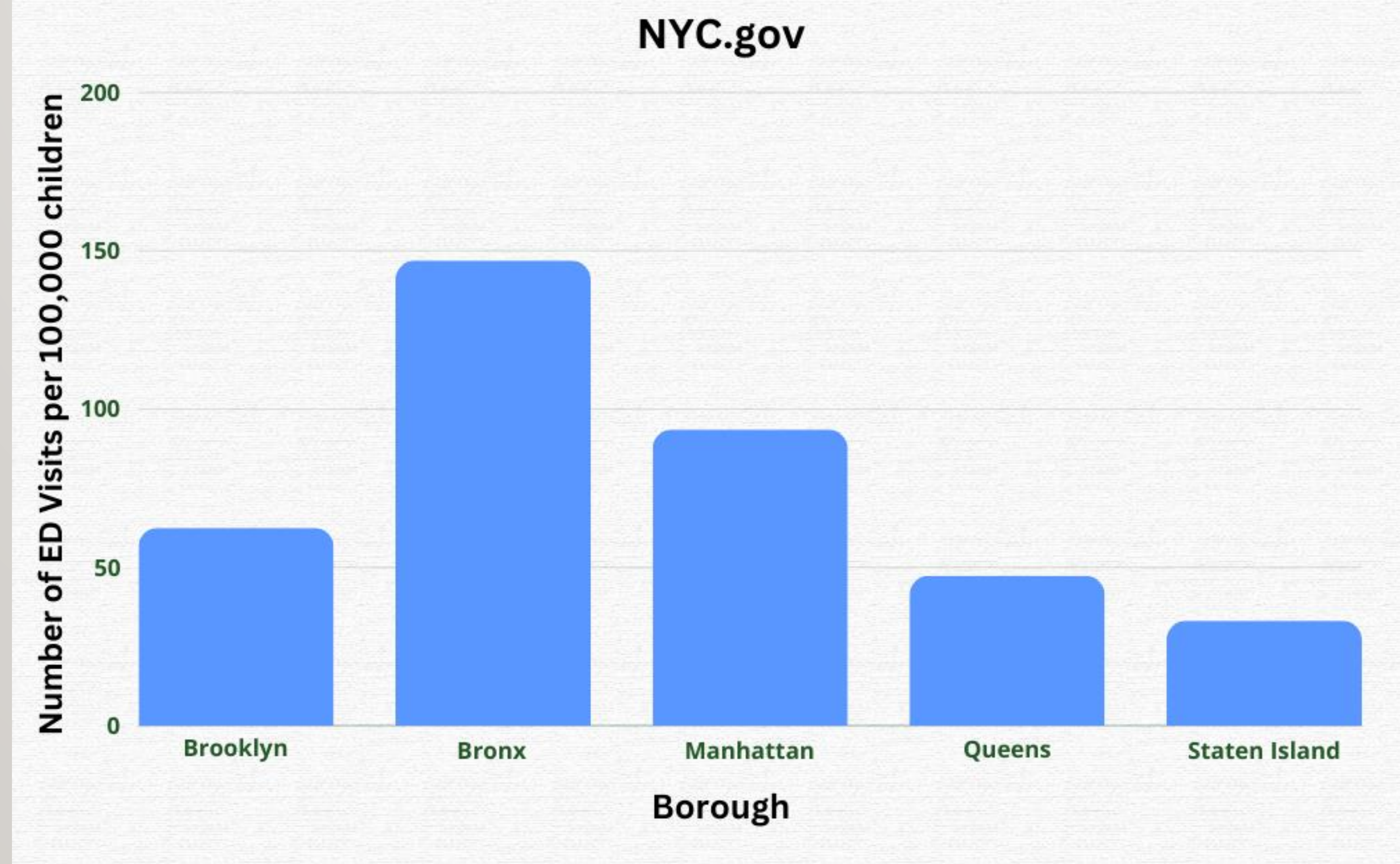
- The data shows the rates (per 100,000 children) of asthma related emergency department visits attributable to PM2.5 (particulate matter from air pollution) department visits in New York City boroughs. This data is relevant to the concept of the duality of environmental degradation. Not only does air quality decrease, but the health of New York City Residents is degraded.

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# How can urbanism and sustaining the natural environment progress at the same time?

Annual Asthma Emergency Department Visits Attributable to PM2.5 in New York City Boroughs per 100,000 Children (2015-2017)



## Analysis

- The data presents that there are a significant number of adults and children in New York City whose asthma is severely impacted by air pollution within the city. This is an example of citizens being negatively impacted by environmental problems.
- There is a bilateral occurrence in which cities are negatively affected by environmental problems and the environment is negatively impacted by the mechanics of the city.
- Proactive government engagement in sustainable development is essential in moving cities toward a positive impact on the climate change crisis.
- Urban ecological citizenship is essential in merging the benefit of both the citizen and the environment.
- The immersion of ecology into urban spaces promotes both the health of the citizen and the progression of the natural world.
- Therefore, the progression of urbanism and sustaining the environment is made possible through an emphasis on urban ecological citizenship, avid proactive engagement in sustainable development, and the implementation of ecological spaces where citizens can engage harmoniously.

## Ethics and Responsibility

- Human beings have a civil responsibility to engage positively with one's surrounding environment. This is reinforced in the biblical concept of stewardship.
- Urbanism progresses and is sustained through civil responsibility. A merging of God's command to steward His creation and a love of one's neighbor combines civil responsibility and environmental stewardship. Urban ecological citizenship is the conglomerate of these two concepts.

## Conclusion

Both urbanism and the sustenance of the environment progress when there is an emphasis on civic engagement of urban ecology, conscious and proactive governmental engagement in sustainable development, and the inclusion of green spaces for both human livelihood and the environment to flourish. Cities are evolving mechanisms. They are not confined to solely degradation. These methods are ways to move forward, and the moving forward benefit both humanity and ecology.



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