

One Breath Away:

Reducing Rates and Severity of Pollution Induced Asthma in the Boston Area

Michael Geary (CS)

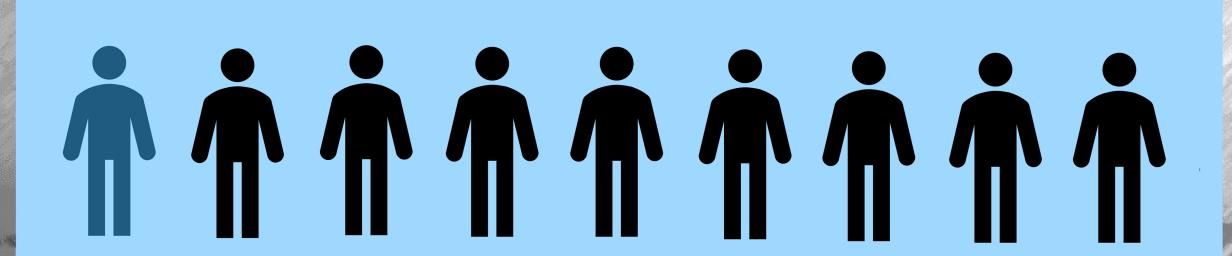
Dylan Grady (CS)

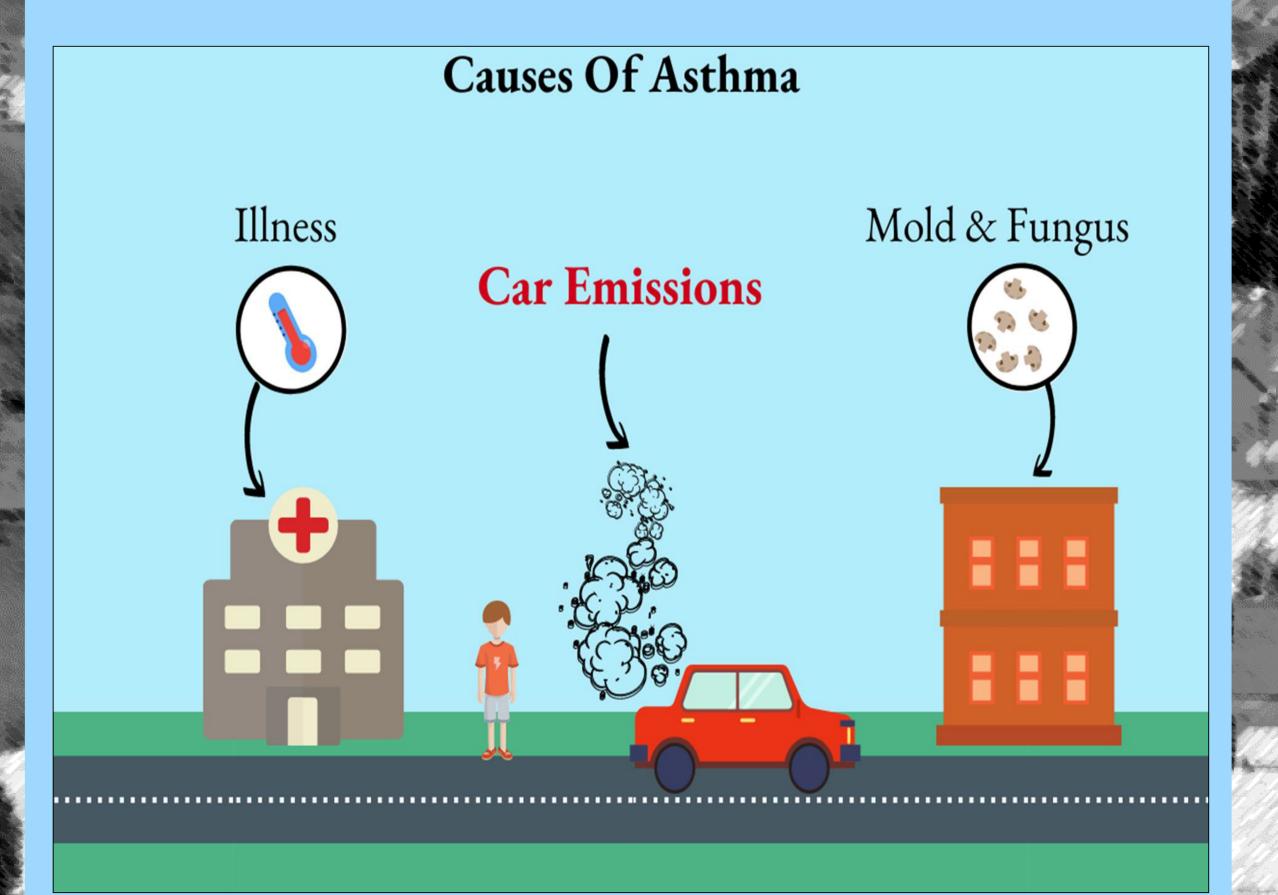
Nicholas Li (CS)

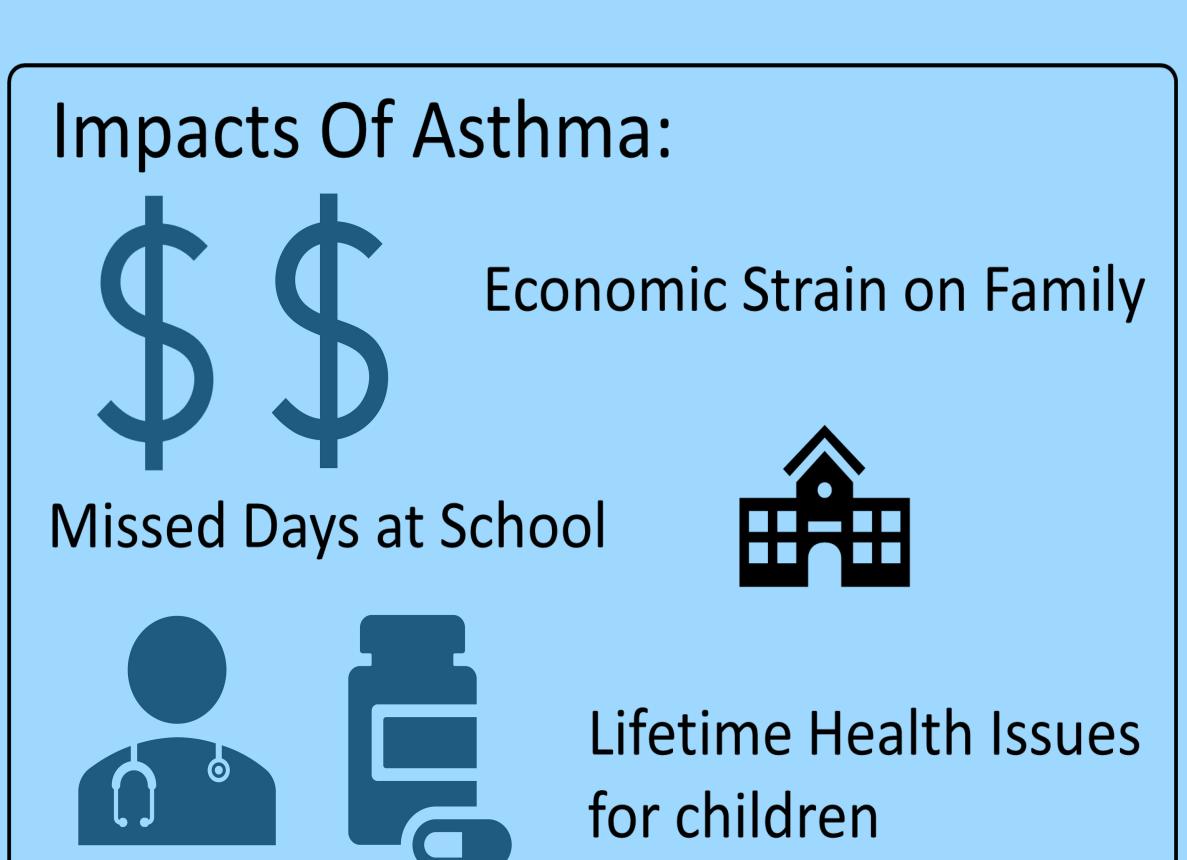
Joshua Palmer (ME)

Problem:

One out of Nine children in Massachusetts Suffers from Asthma



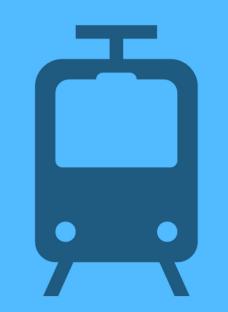




Solution: Congestion Taxing



Six Dollar
Charge for Cars
Driving into
Congestion
Zone



Revenue Raised
Invested in
Public Transport



High Polluting
Vehicles Will
have to Pay
up to 110
Dollars

Shown to have up to a 20% reduction in air pollution levels in cities

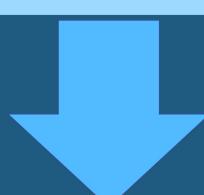


Implementation/ Assessment

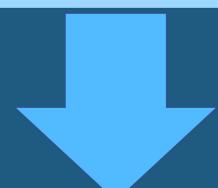
Propose Policy to Mass
Department of
Transportation



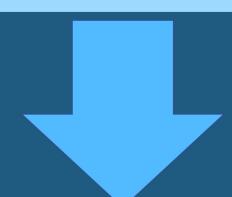
Persuade State
Legislators to Support
Policy



Work with Advocacy
Groups to Gain Support
for Policy



Develop Plans for Public Transport Improvement



Take Daily Air Quality
Tests to Show If Air
Pollution is Decreasing

laudio, L., Stingone, J. A., & Godbold, J. (2006). Prevalence of childhood asthma in urban communities: the impact of ethnicity and income. Annals of epidemiology, 16(5), 332-340.