

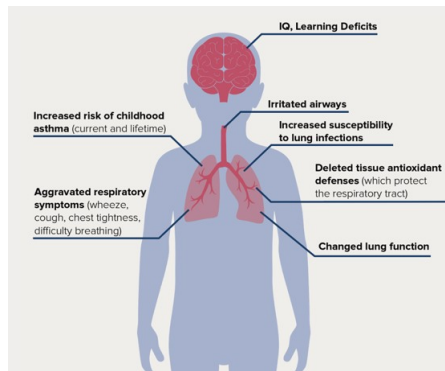
The Health Implications of Fossil Fuel Usage

Harmful Emissions

Nitrogen Dioxide

- Homes with gas stove release 50-400% more nitrogen dioxide than homes with electric stoves
- Pollution indoors is 2 to 5 times higher than pollution outdoors
- High levels of nitrogen dioxide have been linked to health issues including childhood asthma
- Living in a home with a gas stove increases the risk of the symptoms of childhood asthma by 42%
- Living in a home with a gas stove increases the risk of a diagnosis with childhood asthma by 24%

Health Effects of Nitrogen Dioxide:



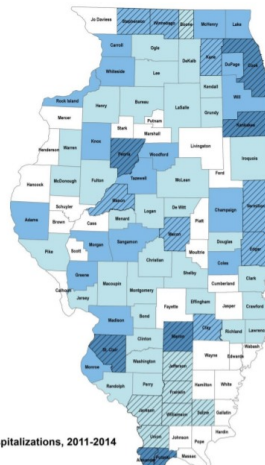
Lower income families may be at a higher risk

due to...

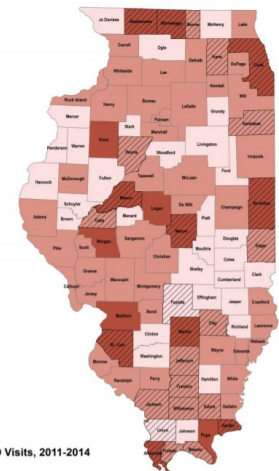
- smaller unit sizes
- more people per unit
- older homes could indicate poor ventilation
- using the stove/oven for additional heat
- increased exposure to outdoor pollution

Childhood Asthma in Illinois

Childhood asthma rates are on the rise worldwide, including in the U.S. and Illinois



**Rate of Asthma Hospitalizations, 2011-2014
Ages 0-19**



**Rate of Asthma ED Visits, 2011-2014
Ages 0-19**

Recommendations

For home-owners/landlords

- Install and maintain a carbon monoxide sensor
- Use the exhaust hood when cooking
- Open a window when cooking
- Cook on back burners
- Use other electric appliances to supplement
- Try a plug-in electric stove (\$50)

Recommendations

For policymakers

- Adopt guidelines to protect the most vulnerable populations
- Require adequate ventilation
- Require manufacturers to include warnings about indoor air pollution
- Financial incentives
- Require landlords to warn tenants about the risk of indoor air pollution
- Funds should not be used to purchase appliances that could be harmful