Asthma as an Example

- Asthma attacks happen more often when the air is polluted.

- Nitrogen oxides, sulfur dioxide and particulate matter are all causes of asthma attacks.

- There is mounting evidence that asthma can also develop more often in areas where there is air pollution.
Indoor Environment: Contribution to Asthma and Evidence

- Multi-faceted tailored asthma interventions
  - Integrated Pest Management (allergen reduction)
  - Integrated Pest Management (pesticide reduction)
  - Moisture intrusion elimination
Childhood Asthma: The Facts

- HUD National Survey of Lead and Allergens
- Over 80% of homes in the U.S. have detectable levels of house dust mite allergen in the bedroom
- 46% had levels associated with sensitization
- 24% had levels associated with asthma morbidity
- Allergens were most highly concentrated in low-income housing
Home Environmental Factors Associated with Asthma
Home Environmental Factors Associated with Asthma
Home Environmental Factors Associated with Asthma
Home Environmental Factors Associated with Asthma
Highest Asthma Rates in Red/Orange
Notes:

High rates are shown in Wards 4, 5, 7
Low rates are shown in Wards 1, 2

References:
