

# Environmental Public Health Tracking

*Opportunities to inform policy and decision-making*

# Environmental Justice

- *“Achieved when everyone enjoys same degree of protection from environmental and health hazards and equal access to the decision-making process to have a healthy environment in which to live, learn, and work” —US EPA*
- How can we use this data to achieve environmental justice?

# Environmental Public Health Tracking

- Goal—hospitalization and ED visit data 2000-2013 for four health outcomes:
  1. Heart attacks
  2. Asthma
  3. Carbon monoxide poisoning
  4. Heat stress
- All four have environmental antecedents

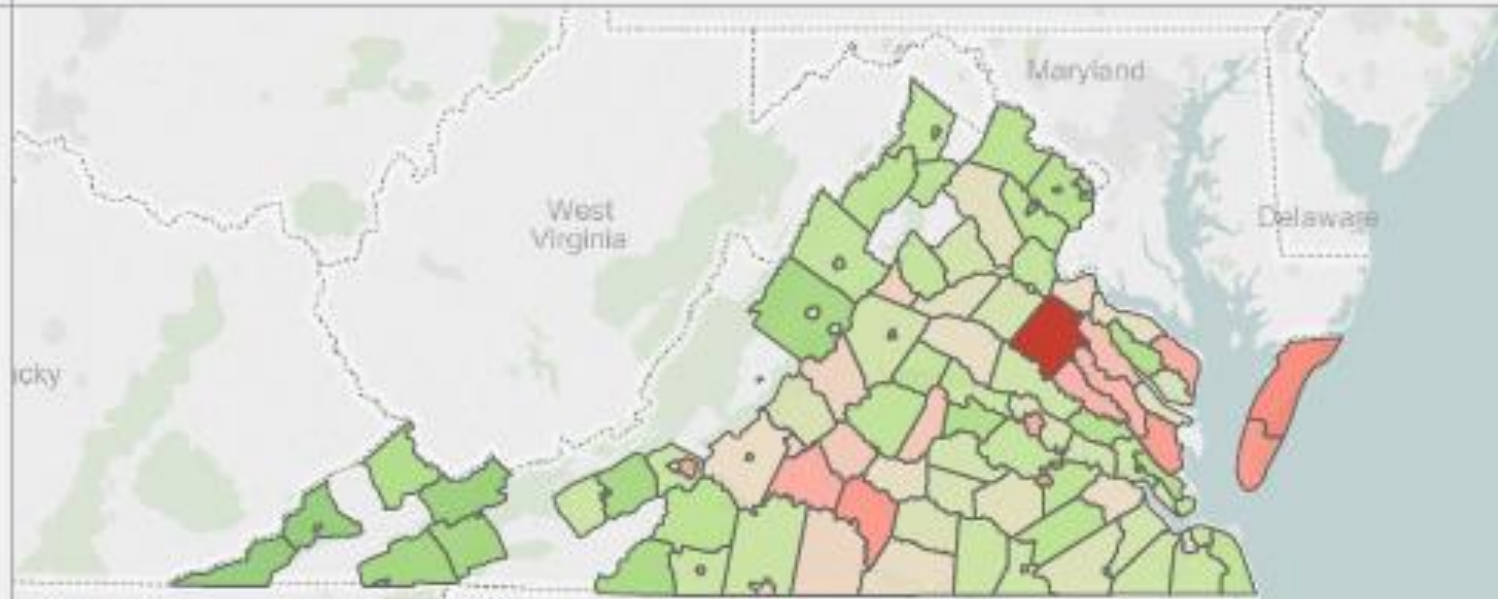
# Environmental Public Health Tracking

- Example—asthma
  - Impacted by source, transport, season, geography, atmospheric conditions

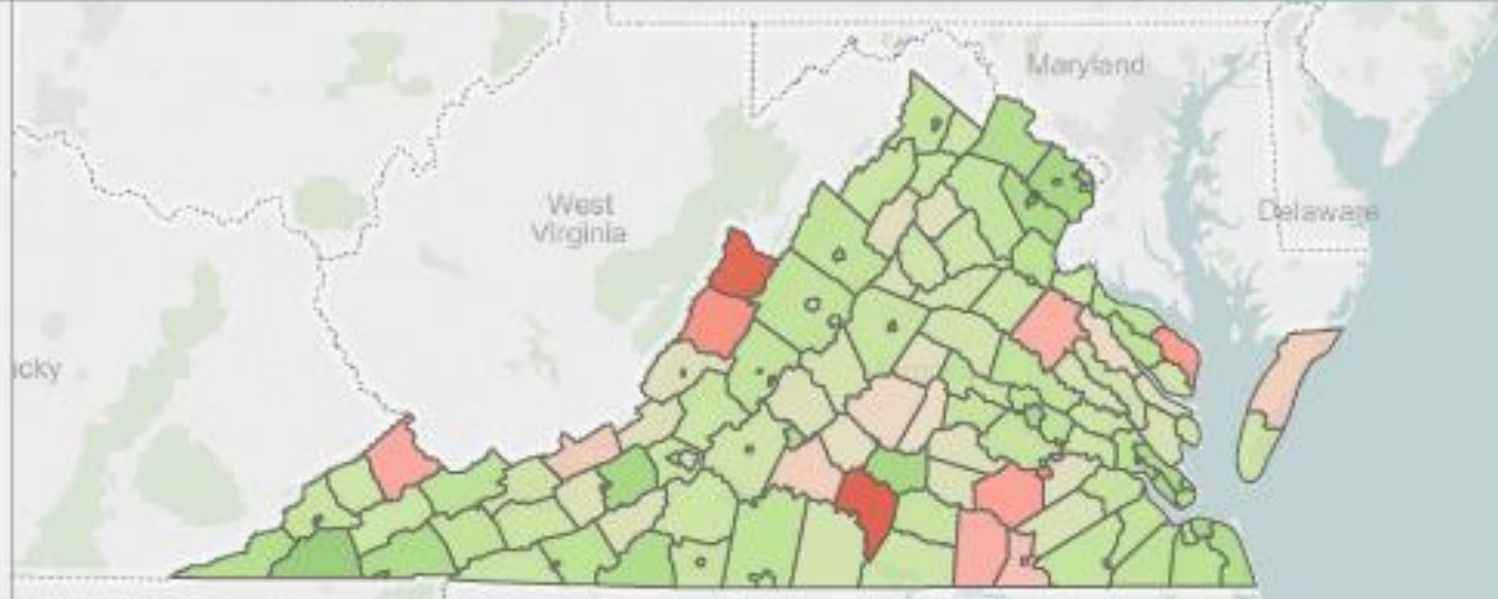
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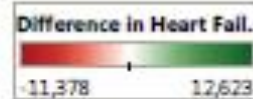
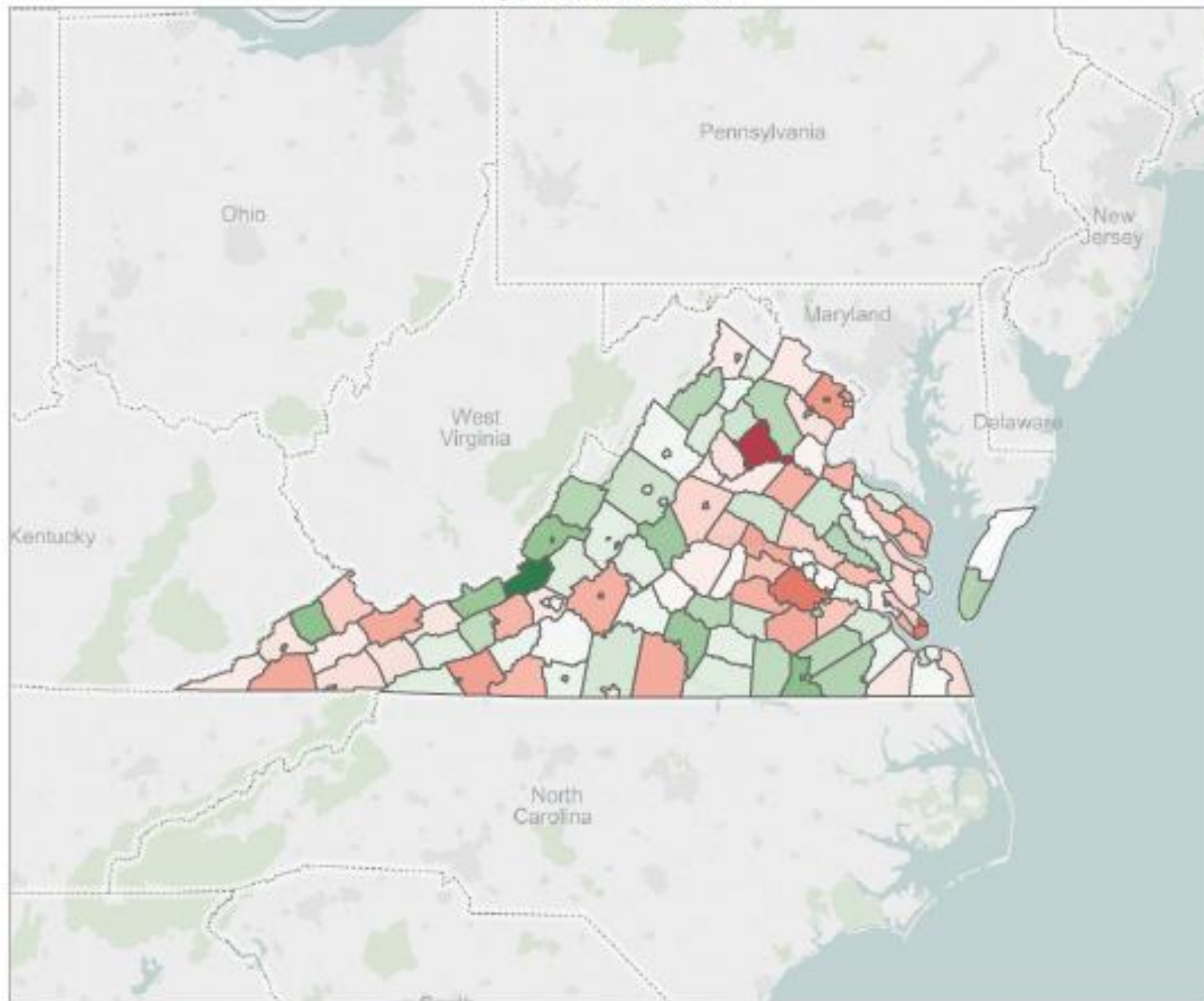
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# Environmental Public Health Tracking

- Example –Heart attacks
  - Every 10 microgram/cubic meter of PM2.5 linked to 12% increased mortality risk -*CDC NCDM V.3.0*

PQI 8 Heart Failure Rate Delta



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