The Changing Landscape of Global Disease Outbreaks
Analysis and Visualization with a Geodatabase

Change Over Time: Outbreaks by Year

- Extract outbreak data from the Global Infectious Diseases and Epidemiology Online Network
- Geocode outbreaks with longitude and latitude coordinates
- Develop and implement methods for geocoding non-standard locations
- QA / QC outbreak locations
- Construct the geodatabase
- Perform geospatial analyses
- Develop visualizations and tools to inform stakeholders and share data

Cumulative Number of Outbreaks: 1980 - 2013

- 1 - 5
- 5 - 30
- 30 - 60
- 60 - 135

Build an Interactive Web Map to Share Data

Disease Outbreaks Over Space & Time

Investigate Relationships with Environmental Variables

- Extract data on disease outbreaks and environmental variables
- Analyze the relationship between outbreaks and environmental factors
- Develop tools and visualizations to communicate findings

Specific Disease Outbreaks: Measles

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