Population Health and
The Virginia Atlas of Community Health

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Today’s Objectives

(1) Overview of the Atlas
(2) Atlas Support To Population Health Analysis in Virginia
(3) Atlas Support To Virginia Health Improvement Plan
## Components

<table>
<thead>
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<th>From INSIGHT…</th>
<th>To ACTION</th>
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<tr>
<td>Geographic analysis tools</td>
<td><em>Industry Perspectives on how different sectors can impact community health</em></td>
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<tr>
<td>Health indicator data</td>
<td><em>An Action Model for starting projects</em></td>
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<td>Behavioral health data</td>
<td><em>Action Guides on particular health topics</em></td>
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<td>Oral health data</td>
<td><em>Support Center for the Atlas user community</em></td>
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<td>Economic data</td>
<td><em>Expertise and direction for planning, assessing, and implementation.</em></td>
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<td>Youth and Adult Risk data</td>
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<td>Spotlight topics on cancer, diabetes, communicable diseases, others</td>
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<td>Selected breakouts for age, sex, race, ethnicity, income, insurance status</td>
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<td>Healthcare support and infrastructure layers</td>
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<td>Webinar training series</td>
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<td>Technical support</td>
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Architecture and Development Environment

WordPress

Data

Mapping Component

- ArcGIS for Server
- Flex application -- ArcGIS API for Flex
- Located on the Amazon Web Services (AWS) Elastic Computing Cloud (EC2) instance.

Documentation

Industry Perspectives

Action Guides

Blogs

Technical Support

User Community Database
Population Health Analytic Features

Mapping Component

- Viewing data within a geographic frame
- Create tables, charts, and graphs
- Change symbology and classification systems
- Health Demographic Analysis
Explore individual health indicators for a single locality, all localities, or different health planning districts (HPU) and create a custom map.

Use the Layers tab to add more layers to the map or use the Tools tab to optimize your map.

Select a Geographic Area:
- County/City

Select a Profile Category:
- Mortality Profile (2012)

Select an Indicator:
- Heart Disease, Deaths (age adjusted rate per 100,000)

Legend:
- City County
- 70.6 - 140.0
- 140.0 - 170.1
- 170.1 - 192.7
- 192.7 - 228.7
- 228.7 - 282.9
Select a Health Planning District to analyze (results are at the census tract level)

Health Planning District 15

Select indicators from the list:
- Seniors Age 65+ %
- Children Age 0-17 %
- Low Income (less than $25,000) Households %
- Population Age 25+ that Did Not Graduate High School %
- Medically Underserved Area/Population Designation
- Health Professional Shortage Area Designation
- ORHP Rural Health Grants Eligible
- Within a CDFI Persistent Poverty County

Greater than or equal to:
- 0
Select a Health Planning District to analyze (results are at the census tract level)
Health Planning District 15

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Legend:

- Health Demographic Analysis
Virginia Health Innovation Plan

- Being led by the Virginia Center for Health Innovation
- Work began in 2012
- Plan will align with the parameters established by the Centers for Medicare and Medicaid Services for the State Innovation Model Initiative
- In December 2014, Virginia was awarded Round 2 Model Design funding to further develop the Virginia Health Innovation Plan.
Atlas Role in Virginia Health Innovation Plan

- Providing a resource for Virginia’s Accountable Care Communities (ACCs)
- Six ACCs

Proposed ACC Regions:
- Northern
- Northwest
- Central
- Eastern
- Southwest
Atlas Role in Virginia Health Innovation Plan

• Improved the Atlas, particularly with regard to the Health Demographic Analysis

• Conducted webinar series:
  – highlight Atlas resources that can be used to engage community partners creating ACC projects
  – mapping tools to visualize community data in support of conversations with potential community partners
  – health innovation program funding and the mapping tools
Atlas Role in Virginia Health Innovation Plan

ATLASVA.ORG