The Virginia Health Chart Book

Steve Sedlock
Executive Director, VANGHR

Presentation:
Public Health Network of Virginia Tech

November 12, 2012

VANGHR
Changing the view on public health

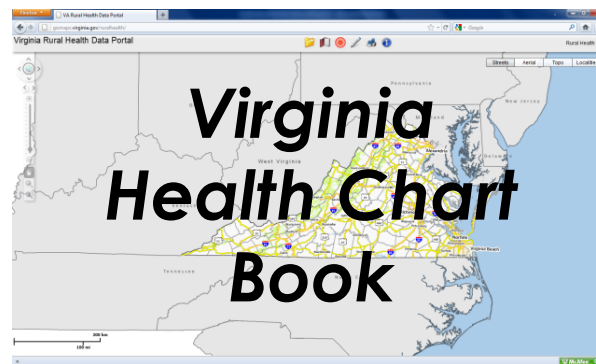# Please Mute Your Phone to Minimize Background Noise

Virginia Health Chart Book

✓ **Interactive, spatially-dynamic web-based application which assists stakeholders in identifying the healthcare, economic and social conditions underlying local workforce development efforts.**

✓ **The Chart Book provides the ability to view, query, and analyze these data sets within a maps, tables, and charts.**

Virginia Health Chart Book

✓**It is a resource for multiple purposes, including health planning and analysis.**

✓**The Chart Book is helpful in providing support materials for grant applications, including workforce-related grants.**

Scope continued

The Health Chart Book and all of its related functionality are built upon the existing infrastructure of the Virginia Rural Health Data Portal (http://vrhrc.org/data-portal/).

Features of Health Chart Book

<u>User-defined spatial aggregation capabilities</u>:

- <u>Standard Boundaries</u>: Market regions, local health districts, planning district commissions, regional commissions, development regions, others.

- <u>Dynamic User-Defined Boundaries</u>: User defined ranging from census tracts to counties/cities.

- <u>Point Data Summaries</u>: Hospitals, rural health clinics, health providers, others.

- <u>Non-Coterminous Boundaries</u>: For side-by-side comparison.

Features continued

Data:

- Social and Demographic Data: All data from the Virginia Rural Health Data.

- Population Dynamics: Demographic shifts over time, e.g., population churning, age-specific shifts, immigrant populations, persistence of poverty.

- Population Projections: City/county level.

- National Ambulatory Medical Care Survey (NAMCS): Age-specific utilization rates for primary care specialties.

- Health Provider and Facility Data: Categorized by specialty.

Features continued

<u>Data</u>:

- Hospital Discharge Data:
  - Adult and Pediatric Prevention Quality Indicators (PQI) for the most recent five-year period.
  - Drive time analysis from the ZIP Code of residence to the hospital will be calculated for both the composite PQI and the individual indicators.
  - Additional specific conditions.

- The Prevention Quality Indicators (PQIs) are a set of measures that can be used with hospital inpatient discharge data to identify quality of care for "ambulatory care sensitive conditions."

- These are conditions for which **good outpatient care** can potentially prevent the need for hospitalization or for which early intervention can prevent complications or more severe disease.

www.**qualityindicators**.ahrq.gov/modules/pqi_resources.aspx

High Priority Target Areas

"**High priority target analysis (HPTA) allows users to examine the interaction of two health or social determinants in a specific geographic area. In the analysis, two indicators are combined, ordered, and ranked to yield the target area(s). The lowest ranking geographic feature(s) is the high priority target area. This type of analysis enables communities to target geographic areas for intervention and policy change.**"

Training and Technical Assistance

- Focus group seminars.
- Training module.
- On-going training and technical assistance.
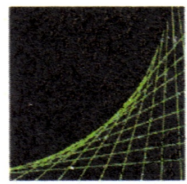- Routine maintenance.

Demonstration

Stop the boring Power Point and
show me something!

www.vahealthchartbook.org
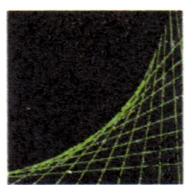
Virginia Network for Geospatial Health Research, Inc.

- Incorporated in April 2009
- 501(c)[3] non profit
- Based in Richmond
- Focus: The application of geospatial analysis and technology to improve decision making in public health policy.

- Support and coordinate existing expertise in geospatial analysis, health policy, health planning, environmental health analysis, and epidemiology.

- Facilitate the development of new approaches and methodologies to sustain effective public health and health care interventions throughout Virginia and the nation.

- VANGHR Motto: "Changing the View on Public Health"

VANGHR
Changing the view on public health

Questions?
Input?

Steve Sedlock, Executive Director

Virginia Network for Geospatial Health

Research, Inc.

www.vnghr.org

ssedlock@vnghr.org

PO Box 15818

Richmond, VA 23227

804.264.3325