Vital Statistics and Other DHEC Data

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SC DHEC
Data at PHSIS, DHEC

- Vital Statistics
- Surveillance
- Central Cancer Registry
- SCAN Website
Vital Statistics

• Birth Certificate Data
• Death Certificate Data
• Fetal Death Data
• Induced Termination of Pregnancy
• Marriages and Divorces

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Public Health Uses of Data

- Vital event data is very important to public health. It can impact program areas within an agency, the community and the nation.
- Vital event data can be used to justify the need for a new public health program to be established, as well as keep the program in place by showing its progress.
- Vital event data can be used at the community level for public health community partners and studying possible clusters of cancer, stroke, heart disease, etc.
Birth Certificate Data

- Risk factors in pregnancy
  - Diabetes
  - Hypertension, etc
- Infections during pregnancy
- Method of delivery
- Maternal morbidity
- Abnormal conditions of the newborn
- Congenital anomalies of the newborn
Death Certificate Data

• Demographic information

• Cause of death
  – Coded according to ICD-10
  – Up to 20 contributing causes

• New questions on Tobacco and Pregnancy
Surveillance Projects

- Behavioral Risk Factor Surveillance System (BRFSS)
- Pregnancy Risk Assessment Monitoring System (PRAMS)
- South Carolina Violent Death Reporting System (SCVDRS)
Behavioral Risk Factor Surveillance System

• The BRFSS is the world's largest random telephone survey of non-institutionalized population aged 18 or older that is used to track health risks in the United States.

• Main Purpose: To collect information on the presence or absence of behaviors that would be especially useful for planning, initiating, supporting, and evaluating health promotion and disease prevention programs.

• All 50 states, DC, Guam, Puerto Rico, and the US Virgin Islands have BRFSS programs.

• SC BRFSS has data from 1984-2010.

• Contact: Shae Sutton, suttonsr@dhec.sc.gov
## BRFSS Data

<table>
<thead>
<tr>
<th>Health Status</th>
<th>Women’s Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access to Health Care</td>
<td>Preventative Services and Immunizations</td>
</tr>
<tr>
<td>Awareness of Medical Conditions</td>
<td>STDs, Particularly AIDS</td>
</tr>
<tr>
<td>Nutrition and Weight Control</td>
<td>Social and Demographic Characteristics</td>
</tr>
<tr>
<td>Seatbelt Use</td>
<td>Chronic Disease</td>
</tr>
<tr>
<td>Tobacco and Alcohol Consumption</td>
<td></td>
</tr>
</tbody>
</table>
Pregnancy Risk Assessment Monitoring System

- PRAMS is an ongoing, population-based, cross-sectional surveillance system that obtains information from new mothers.
- Main Purpose: To collect information about maternal behaviors and experiences before, during and after pregnancy.
- SC is one of 39 PRAMS projects in the US (37 states, NYC, and SD Sioux Tribe).
- SC PRAMS currently has data form 1993-2009.
- Contact: Mike Smith, smithm4@dhec.sc.gov
PRAMS Data

- Attitudes about pregnancy
- Payment for PNC and delivery
- Alcohol and tobacco
- Physical abuse
- Breastfeeding
- Sleep position
- Bedsharing
- Financial issues

- Pregnancy related morbidity
- PNC satisfaction
- Barriers to health services
- Health insurance issues
- Postpartum depression symptoms
- Oral health
- Family planning
The NVDRS is a state-based surveillance system compiling data from death certificates, medical examiner/coroner files, law enforcement records, and crime laboratories for resident and occurrent suicide, homicide, unintentional firearm, legal intervention, undetermined, and terrorism deaths identified through use of ICD-10 codes.

Main Purpose: To provide state and other stakeholders with timely and accurate data about violent death for use in prevention efforts.

SC is one of 17 states with an NVDRS program.

SCVDRS has data from 2003-2008

Contact: Shae Sutton, suttons@dhec.sc.gov
SC Central Cancer Registry

- A population-based public health surveillance system that collects, stores, analyzes, and interprets cancer incidence data for the defined geographical area of South Carolina.
- Main Purpose: Provide information for scientific and medical research about cancer in South Carolina.
- Contact: Susan Bolick, bolicks@dhec.sc.gov
Other DHEC Data Sources

• Bureau of Disease Control
  – HIV/AIDS/STD Surveillance Reports
    http://www.scdhec.gov/health/disease/sts/index.htm
  – Tuberculosis Control Program
    http://www.scdhec.gov/health/disease/tb/staff.htm

• Acute Disease Epidemiology
  – Influenza Activity and Surveillance
    http://www.scdhec.gov/health/disease/acute/flu.htm
Maps

• Division of Informatics, PHSIS
• Contact:

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SCAN Website

- A website that allows generation of user specified tables and interactive maps of public health data.
  - [http://scangis.dhec.sc.gov/scan/](http://scangis.dhec.sc.gov/scan/)

- Types of data that you can get from SCAN:
  - Frequencies, percentages, rates, confidence intervals.
  - Tables, trend-lines, bar charts, maps

- SCAN modules are not available for all DHEC data sources.