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/)

Search for: DHEC SCAN

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

- Data are SC residence data; county, zip code of residence, not occurrence

- Rates often depend on population estimate denominators; not available at zip code level

- Zip code level data not available in all modules
Welcome! This site allows generation of user-specified tables and interactive maps of public health data. 

NOTICE: Popup blockers will prevent some mapping pages and tables from appearing and need to be disabled. This site is best viewed with Internet Explorer.

Datasets Currently Available

**Births (1990-2015)** - All births to SC residents from birth certificate data.

**Cancer Incidence (1996-2012) and Cancer Mortality (1996-2013)** - Cancer incidence and mortality for SC residents from South Carolina Central Cancer Registry (SCCCR) data.

**Community Profile (1999-2015)** - Profile the indicators of the public health interests across South Carolina on counties and DHEC regions level. Healthy People 2010 objectives and Leading Health Indicators are incorporated in the module for guidelines. Vital Statistics indicators are available for all years. BRFSS indicators are only available up to 2010.

**Deaths (1990-1998)** - All deaths of SC residents from death certificate data.

**Deaths (1999-2015)** - All deaths of SC residents from death certificate data.

**Fetal Deaths (1989-2015)** - Fetal death information for SC residents from fetal death data.

**Hospital Acquired Infections (HAI) (2007 - 2012)** - Hospital acquired infections reported from SC hospitals


**Population (1990-2015)** - Demographic information for SC residents from census data.


NOTICE: Popup blockers will prevent tables from appearing and need to be disabled.

Follow these steps to create a table from South Carolina Resident Birth data.

**Step One**
Select row variable (default: Year).
- Year
- Maternal Race
- Maternal Ethnicity
- Maternal Age
- Marital Status
- Birthweight
- Gestational Age
- Region
- Birth Characteristic

**Step Two**
Select column variable (default: Race).
- Year
- Maternal Race
- Maternal Ethnicity
- Maternal Age
- Marital Status
- Birthweight
- Gestational Age
- Region
- Birth Characteristic

**Step Three**
Select Year(s) of interest (default: 2015).
- 1990
- 1991
- 1992
- 1993
- 1994
- 1995
- 1996
- 1997
- 1998
- 1999
- 2000
- 2001
- 2002
- 2003
- 2004
- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013
- 2014
- 2015
- All Years

**Step Four**
Specify Race, Ethnicity, Age and/or Marital Status below: (default: All Races, All Ethnicities, All Ages, All Marital Status, All Birthweights, All Gestational Ages)

- **Maternal Race**
  - All Races
  - White
  - Black
  - Other

- **Maternal Ethnicity**
  - All Ethnicities
  - Hispanic
  - Not Hispanic
  - Unknown Ethnicities

- **Maternal Age**
  - All Ages
  - 10 to 14
  - 15 to 17
  - 18 to 19

- **Marital Status**
  - All
  - Married
  - Not married without PATACK
  - Not married with PATACK

- **Birth Weight**
  - All Birthweights
  - 0 to 1249 g
  - 1250 to 1499 g
  - 1500 to 2499 g

- **Gestational Age**
  - All Gestational Ages
  - 1 to 31 weeks
  - 32 to 36 weeks
  - 37 to 41 weeks

*PATACK: paternity acknowledgment*

**Step Five**
Select Region (default: County).
- Zipcode
- County
- DHEC Region
Step Six
Select Region of interest.

To select multiple non-sequential regions hold down the Control (Ctrl) key and click on desired regions.

Sort alphabetically by region or numerically by statistic (default: Alphabetically)

**Note:** In order to sort, Region must be the row variable.

- Alphabetically
- Numerically

South Carolina
- Abbeville
- Aiken
- Allendale
- Anderson
- Bamberg
- Barnwell

Step Seven
Select a Birth Characteristic (default: All Births).
To select multiple non-sequential characteristics hold down the Control (Ctrl) key and click on desired characteristics.

Sort by Group Name or Alphabetically (default: By Group Name)

- Group Name
- Alphabetical

See Definitions for more details and information regarding the new 2004 birth certificate

All Births
- Medical and Health Information
  - Anemia (mother)
  - Diabetes (gestational)
  - Diabetes (mother)
  - Diabetes (prepregnancy)
  - Electronic Fetal Monitoring

Step Eight
Choose Output Preference (default: Frequencies).

- Frequencies
- Frequencies and Rates*
- Frequencies and Percents by column
- Frequencies and Percents by row

*In order to view rates, "Counties" or "DHEC Regions" must be specified in Step 5.

Step Nine
For interpretation of Table, Trendline and Bar Chart, please see Example and Definitions pages.

Infant Mortality

For South Carolina Residents

County: All Counties in South Carolina

Infant Mortality Variables: Infant Mortality

<table>
<thead>
<tr>
<th>Age of Child</th>
<th>Less Than 1 day</th>
<th>1-6 days</th>
<th>7-27 days</th>
<th>less than 28 days (Neonatal)</th>
<th>28-364 days (Postneonatal)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Frequency</td>
<td>Rate</td>
<td>Frequency</td>
<td>Rate</td>
<td>Frequency</td>
<td>Rate</td>
</tr>
<tr>
<td>Year</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>150</td>
<td>2.6</td>
<td>51</td>
<td>0.9</td>
<td>65</td>
<td>1.1</td>
</tr>
<tr>
<td>2011</td>
<td>164</td>
<td>2.9</td>
<td>43</td>
<td>0.7</td>
<td>47</td>
<td>0.8</td>
</tr>
<tr>
<td>2012</td>
<td>157</td>
<td>2.7</td>
<td>56</td>
<td>1</td>
<td>57</td>
<td>1</td>
</tr>
<tr>
<td>2013</td>
<td>160</td>
<td>2.8</td>
<td>42</td>
<td>0.7</td>
<td>61</td>
<td>1.1</td>
</tr>
<tr>
<td>2014</td>
<td>150</td>
<td>2.6</td>
<td>43</td>
<td>0.7</td>
<td>53</td>
<td>0.9</td>
</tr>
<tr>
<td>2010-14</td>
<td>781</td>
<td>2.7</td>
<td>235</td>
<td>0.8</td>
<td>283</td>
<td>1</td>
</tr>
</tbody>
</table>

**Indicator Rate** Calculated per 1000 Live Births specific to that Indicator

- **ICD9 Codes**
- **ICD10 Codes**

**Small Numbers** Rates calculated with small numbers are unreliable and should be used cautiously

Print Table  Download Table  Rotate Table
I. All Causes
   ● All Causes

A. Salmonella infections
   ● Salmonella infections (A01-A02)

B. Shigellosis and amebiasis
   ● Shigellosis and amebiasis (A03, A06)

C. Tuberculosis
   ● Respiratory Tuberculosis, not confirmed bacteriologically (A17-A19)
   ● Other tuberculosis (A17-A19)

D. Whooping Cough
   ● Whooping Cough (A37)

E. Scarlet Fever and Erysipelas
   ● Scarlet Fever and Erysipelas (A38, A46)

F. Meningococcal Infection
   ● Meningococcal meningitis (A39.0)
   ● Meningococcalmeningitis, unspecified (A39.4)
   ● Other (A39.1-A39.3, A39.5-A39.9)

G. Septicemia
   ● Streptococcal septicemia (A40)
   ● Other septicemia (A41)

H. Syphilis
   ● Syphilis (A50-A53)

I. Acute Poliomyelitis
   ● Acute Poliomyelitis (A80)

J. Arthropod-Borne Viral Encephalitis
   ● Arthropod-Borne Viral Encephalitis (A83-A84)

K. Measles
   ● Measles (B05)

L. Viral Hepatitis
   ● Acute Hepatitis C (B17.1)
   ● All others (B15.0-B17.0, B17.2-B17.9)

M. AIDS (HIV Disease)
   ● AIDS (HIV Disease) (B20-B24)

N. Malaria
   ● Malaria (B50-B54)

O. Malignant Neoplasms
   ● of lip, oral cavity and pharynx (C00-C14)
   ● of esophagus (C15)
   ● of stomach (C16)

V. Alzheimer's Disease
   ● Alzheimer's Disease (G30)

W. Diseases of Heart
   ● Acute rheumatic fever and chronic rheumatic heart disease (I11)
   ● Hypertensive heart disease (I11)
   ● Hypertensive heart and renal disease (I13)
   ● Acute myocardial infarction (I21-I22)
   ● Other acute ischemic heart diseases (I24)
   ● Atherosclerotic cardiovascular disease, unspecified (I30)
   ● All other forms of chronic ischemic heart disease (I31)
   ● Acute and subacute endocarditis (I33)
   ● Diseases of pericardium and acute myocarditis (I35)
   ● Congestive heart failure (I50.0)
   ● Other and unspecified heart failure (I50.1-I50.9)
   ● Other forms of heart disease (I23, I26-28, I32)

X. Essential (Primary) Hypertension and Hypertensive Disease

Y. Cerebrovascular diseases
   ● Subarachnoid haemorrhage (I60)
   ● Intracerebral haemorrhage (I61)
   ● Other nontraumatic intracranial haemorrhage (I62)
   ● Cerebral infarction (I63)
   ● Stroke, not specified as haemorrhage or infarction (I64)
   ● Other cerebrovascular diseases and sequelae (I65)

Z. Atherosclerosis
   ● Atherosclerosis (I70)

AA. Aortic Aneurysm and Dissection
   ● Aortic Aneurysm and Dissection (I71)

AB. Influenza and Pneumonia
   ● Influenza (J10-J11)
   ● Pneumonia (J12-J18)

AC. Acute Bronchitis and Bronchiolitis
   ● Acute Bronchitis (J20)
   ● Acute Bronchiolitis (J21)

AD. Chronic lower respiratory disease
   ● Bronchitis, chronic and unspecified (J40-J42)
   ● Emphysema (J43)
   ● Asthma (J45-J46)
   ● Other chronic lower respiratory diseases (J44, J45)

AE. Pneumoconioses and chemical effects
   ● Pneumoconioses and chemical effects (J60-J66)

AF. Pneumonitis due to solids and liquids
   ● Pneumonitis due to solids and liquids (J69)
Step Seven
Select General Category for Cause of Death (default: All Causes)

To select multiple non-sequential causes of death, hold down the Control (Ctrl) key and click on desired causes.

Sort alphabetically by cause of death or numerically by statistic (default: Cause of Death)

**Note:** In order to sort, Cause of Death must be the row variable. If every cause of death is selected, confidentiality rules will be invoked. Please deselect Residual Causes of Death to prevent this from happening.

- [ ] Cause of Death
- [ ] Statistic

### All Causes

- [ ] Accidents
- [ ] Other causes

#### Accidents

- Acute bronchitis and bronchiolitis
- Acute poliomyelitis
- AIDS (HIV disease)
- Alzheimer's disease
- Anemias

[Click here to generalize causes of death]

### Motor vehicle accidents

- Other land transport accidents
- Water, air and space and other and unspecified transport accidents
- Falls
- Accidental discharge of firearms
- Accidental drowning and submersion
- Accidental exposure to smoke, fire and flames

**Note:** Cause of Death Categories are determined by various methods. Some of the categories shown here differ from those published in the annual VMS Book.

View Breakdown of ICD 10 Codes for Death Categories, Subcategories, and Specific Categories

Step Eight
Choose output preference (default: Frequencies).

- [ ] Frequencies
- [ ] Frequencies and Crude Rates
- [ ] Frequencies and Age Adjusted Rates: 1940 Population
- [ ] Frequencies and Age Adjusted Rates: 1970 Population
- [ ] Frequencies and Age Adjusted Rates: 2000 Population
- [ ] Frequencies and Percents by column
- [ ] Frequencies and Percents by row
Contact information and links:

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• SCAN:
  http://scangis.dhec.sc.gov/scan/

• Publications:
DHEC IRB

• Research projects involving human subjects must be approved by DHEC IRB.

• Human subject: A living individual about whom an investigator (whether professional or student) conducting research obtains:
  (1) data through intervention or interaction with the individual, or
  (2) identifiable private information
• To obtain application form and for more information email

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