Vital Statistics

• Birth Registry

• Fetal Death Reports

• Death Registry
  • Infant Mortality Data

• Induced Termination of Pregnancy Reports
Birth Registry

• All live births occurring in the state are registered

• Records contain demographic, medical and health information for both mothers and babies

• Processes in place to ensure quality of data
Statistics

• We receive records of events in other states for residents of SC

• Annual statistics representative of residents of the state/county
Birth Data Uses

• Birth data can be used at the community level for public health community partners and to study:
  • rates of LBW babies
  • prematurity
  • relations between mother’s health and baby’s health
  • teen pregnancy
Birth Certificate Indicators

• Pregnancy history
• Prenatal care
• Risk factors in pregnancy – diabetes (pre-pregnancy, gestational), hypertension
• Method of delivery, characteristics – induction, fetal intolerance, antibiotics
• Infections during pregnancy
Birth Certificate Indicators

- Maternal morbidity – transfusion, hysterectomy
- Abnormal conditions of the newborn – NICU, seizure
- Congenital anomalies of the newborn
Fetal Death Reports

• Fetal deaths (stillbirths) of 350 grams or more are reportable

• Information similar to birth records – demographics; medical and health indicators
Infant Mortality Data

- Infant death records are linked with birth records
- Allows to link cause of death to maternal and infant characteristics
Death Certificate Data

- Demographic information
- New questions on Tobacco and Pregnancy
- Cause of death
  - Coded according to ICD-10 (since 1999)
  - Up to 20 contributing causes
- Leading causes of death
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
Data for Research

• Application form:
  • Info about researcher, Biosketch
  • Brief description of study
  • Research questions
  • Variables justification
  • Security/confidentiality considerations

• Signed data release agreement
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• SCAN:
  http://scangis.dhec.sc.gov/scan/

• Publications:
  http://www.scdhec.gov/Health/SCPublicHealthStatisticsMaps/BiostatisticsPublications/