



South Carolina Department of Health and Environmental Control

The Supplemental Nutrition Program for Women, Infants, and Children

SC WIC Program Data

SC WIC Program Overview

- USDA funded nutrition supplemental program administered by FNS
- Impacts the health of mothers, infants and children in medically-needy families through the provision of
 - Food
 - Nutrition Education and Counseling
 - Access to Health Services

Program Coverage

- More than 75 sites administer WIC foods
 - County Health Departments
 - Standalone WIC Clinics
 - Hospitals/Medical Centers
 - FQHCs
- At least one site in each of the 46 counties

Eligibility Criteria

Pregnant, Postpartum,
Breastfeeding Women
Infants
Children (< 5 years)

<185% FPL
e.g. \$44,955 for
family of four

Has Nutritional Risk

Reside Within
South Carolina

Program Components

- Certification (enrollment)
- Voucher Issuance (participation)

WIC participation “caseload” =

of participants that have vouchers issued for a specified month

Certification Periods

- Pregnant Women
 - During pregnancy until 6 weeks postpartum
- Breastfeeding Women
 - Following delivery until infant is 1 year of age
- Postpartum Women
 - Following delivery until 6 months postpartum

Certification Periods

- Infants
 - Birth until 1 year of age

- Children
 - 11.5 months until 5 years of age

Data Elements

DATA SET	Certifications	Vouchers	Farmers Market	Risk Assessment
DESCRIPTION	<p>The certification records for clients enrolled in the WIC Program</p> <p>“Enrollment”</p>	<p>A record of food purchase vouchers issued to a client during a client encounter</p> <p>“Participation”</p>	<p>A record of farmers market vouchers issued to a client during a client encounter</p>	<p>The risk codes associated with a specific WIC certification</p>
SAMPLE VARIABLES	<p>Certification Begin/End/Discharge Dates Recipient Classification Pre-/Pregnancy Charac. Contraceptive Use Breastfeeding Behaviors Birth Outcomes Physical Activity Smoking Status Alcohol Use</p>	<p>Food Voucher Issuance (monthly)</p>	<p>Farmers Market Voucher Issuance (monthly)</p>	<p>Nutritional Risk Codes Assigned per Certification</p>

Limitations

- Actual enrollment < Eligible Population
- Administrative data
- Definition changes due to updates to program policies
- Self-reported for some measures
- Some items are not reliably collected and/or reported

How to Request WIC Data

- All requests are to be submitted to the WIC Technology Services Unit (TSU) Manager (walleysw@dhec.sc.gov) utilizing the data request form (DHEC 2783)
- The TSU Manager must send any research study data requests to the DHEC Internal Review Board (IRB) for review/approval

How to Request WIC Data

- Requestor will be contacted within three (3) working days for follow-up information
- Allow a minimum of seven (7) working days for completion of the request



South Carolina Department of Health and Environmental Control

**Birth Defects Program
MD STARnet Program
SC Data**

SC Birth Defects Program Overview

- Established in 2006 with the passing of the SC Birth Defects Act
 - Data collection up to age 2
 - Epidemiology and research into causes and prevention of birth defects
 - Advisory Council

SC Birth Defects Program Overview

July 2006 – December 2008

- Ramp up period
- Collection of cardiovascular, musculoskeletal, central nervous system, orofacial defects

January 2008– Present

- Additional collection of eye, ear, genitourinary, and chromosomal defects, other brain anomalies and neurological outcomes

SC Birth Defects Program Overview

Currently collects data on more than 75 distinct birth defects

NBDPN* standards – core and recommended variables for surveillance programs

- National Birth Defects Prevention Network

Collects data related to CDC Zika grants

SC BDP Surveillance Methodology

- Active data collection
- Monthly reports from all birthing hospitals (ICD-10 CM)
- RN abstractors, contract clinical geneticist, Epidemiologist
- All pregnancies
 - Live Births (LB)
 - Fetal Deaths (FD)
 - Induced Terminations (T)

$$(LB_{BD} + FD_{BD} + T_{BD}) / LB * 10,000$$

Muscular Dystrophy Surveillance, Tracking and Research Network (MD STARnet) Program Overview

- Muscular Dystrophy is a set of genetic conditions that are characterized by progressive muscle weakness
- Range in severity, age at onset, impact on mobility and life expectancy
- X-linked genetic condition so it affects males almost exclusively

Muscular Dystrophy Surveillance, Tracking and Research Network (MD STARnet) Program Overview

- CDC-funded data collection program to collect data on 9 types of Muscular Dystrophy
- SC is 1 of 6 funded states beginning in 2014
- Access to data from previous funding cycles from other states

MD STARnet Surveillance Methodology

- Medical record abstraction by RNs
- Neurologist consultant, co-investigators at USC and RFA
- Longitudinal collection for more prevalent childhood-onset MDs
- Cross-sectional collection for less prevalent MDs
- Focus on access to care, treatments received, disease progression, medical equipment, etc.
- Extensive collaboration with other states and CDC (data collection and analysis)

Data Elements

DATA SET	Factor Type	SC Birth Defects (BD)	SC MD STARnet (Available Spring 2017)
SAMPLE VARIABLES	Sociodemographic	Gender, Age, Race, Education, Marital Status	Child, Maternal, Paternal Characteristics
	Anthropometric	BMI, Maternal Weight Gain, Birthweight, Gestational Age	Growth Measures
	Behavioral Risks	Alcohol Consumption, Tobacco Use	N/A
	Dietary	Folic Acid Intake, Iron Supplementation, Multivitamin Consumption	N/A
	Pregnancy Complications	Placenta Previa, History of Placenta Abruption	N/A
	Other	Payment Source, Adequacy of Prenatal Care, Prescription Drugs, Other Drugs, Birth Injury, Seizure, Infection, Mental Health, Vital Status, Birth Defect (ICD Subgroup)	Family History, Diagnostic Testing and Procedures, Clinical Markers, Sign and Symptoms, Psychosocial Factors, Injuries, Prescription Drugs, Mobility, Rehabilitative Services, Geographic Factors, Vital Status, Case Status, Payment Source

Limitations

SCBD

- Finalized data runs at least 2 years behind real time
- Rare events
- Non-independence (multiple BDs in some children)

SC MD STARnet

- Different data available for different MDs
- Rare events
- Complexity of data

How to Request SCBDP Data

- All requests are to be submitted to Michael Smith, Director of the Division of Research and Planning (smithm4@dhec.sc.gov)
- Researchers will complete the IRB/Research Request Application
- Allow a minimum of 10 working days for completion of the request

How to Request MDSTARnet Data

Only staff from funded sites can submit a data request form

Researcher must collaborate with the MD Data Manager (DHEC) or co-investigators (USC School of Public Health, USC School of Medicine, RFA)

How to Request MDSTARnet Data

Submit a Letter of Intent (CDC-provided)

- Received by the data sharing committee
- Disseminated to funded states
(Research must involve an analyst from another funded state or CDC)
- If approved, other states can request involvement

Researcher and co-investigators will submit a Data Analysis Proposal (DAP)

CONTACT US

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