

NJSHAD Tutorial: Query Overview

<http://nj.gov/health/shad>

WHAT'S NEW IN NJSHAD

New datasets added to the query system

- School Immunization Status Reports (Oct 2017)
- Pregnancy Risk Assessment Monitoring System (PRAMS) Survey (Apr 2017)
- Communicable Disease Incidence (Jan 2017)

The New Jersey Department of Health's State Health Assessment Data (NJSHAD) System provides access to public health datasets, statistics, and information on the health status of New Jerseyans.

What is NJSHAD?

The New Jersey State Health Assessment Data (NJSHAD) System provides access to public health datasets, statistics, and information on the health status of New Jerseyans in

Quick Links

Reports and Statistics

- Leading Causes of Death
- Health Disparity Priority Areas
- Healthy New Jersey 2020

Information for...

- Community Health Assessment
- Local Health
- School Enrollment Planning
- Data Query System Users

The "Dataset Queries" button on the NJSHAD home page takes you to the query system.

Home + Health Topics Community Profiles + Indicator Reports + Dataset Queries ✖ Other Data and Resources +

Introduction
About Queries

Birth Data
Mortality Data
Infant and Fetal Mortality Data
Behavioral Risk Factor Survey
Communicable Disease
Immunization Status Data
Hospitalization Data
Pregnancy Risk Assessment Survey

Query Help

• Select Introduction from the drop-down menu to go to the query system home page.

or

• Go straight to your desired type of data from the drop-down menu.

• In the pages that follow, we have selected Birth Data.

Hospitalization Data
Pregnancy (PRAMS) Data
Query Help

Immunization Status Reports from School
Inpatient and Emergency Department Ho
Pregnancy Risk Assessment Monitoring S

Preliminary Birth and Death Statistics

• If you need preliminary municipality-level birth data for **school enrollment projections**, please email [chs](#)

- Dataset Queries
- Introduction
- About Queries
- Birth Data
- Mortality Data
- Infant and Fetal Mortality Data
- Behavioral Risk Factor Survey
- Communicable Disease Data
- Immunization Status
- Hospitalization Data
- Pregnancy (PMS) Data
- Query Help

NJ Birth Data Query Outcome Measure Selection

Overview

How to select a measure

Select a measure of interest from those listed below.

For further explanation of the measures, hover your mouse over the information bubbles to the right of some items provide additional information.

[Birth dataset help and documentation](#)

Older versions of Internet Explorer will not show images or run queries properly. [More info...](#)

Count, Birth Rates, and Fertility Rates

- [Count](#)
- [Birth Rate](#)
- [Adolescent Birth Rates](#)
- [Fertility Rates](#)

Prenatal Care

Infant Birthweight

Preterm Births

Method of Delivery

The blue bars expand and collapse when you click on them.

Additional measures are accessible under subsequent blue bars.

The same choices from the top drop-down menu appear here.

- Dataset Queries
- Introduction
- About Queries
- Birth Data
- Mortality Data
- Infant and Fetal Mortality Data
- Behavioral Risk Factor Survey
- Communicable Disease Data
- Immunization Status
- Hospitalization Data
- Pregnancy (PRAMS) Data
- Query Help

NJ Birth Data Query Outcome Measure Selection

Overview -

Scroll over question marks for relevant information to help guide you through building your query.

query builder page.
 n of the measure will appear. Question mark

Count, Birth Rates, and Fertility Rates +

Prenatal Care +

Infant Birthweight -

- Percentage of Very Low, Low, Normal, and High Birthweight Infants
 - [Percentage of Very Low Birthweight Infants \(<1500 grams\)](#)
 - [Percentage of Low Birthweight Infants \(<2500 grams\)](#)
 - [Percentage of Normal Birthweight Infants \(2500 to 3999 grams\)](#)
 - [Percentage of High Birthweight Infants \(4000 or more grams\)](#)
- [Average Birthweight of Infants](#)

Birth Weight

Very Low Birth Weight: Live-born infants whose birth weight was less than 1500 grams (about 3.3 lbs.)

Low Birth Weight: Live-born infants whose birth weight was less than 2500 grams (about 5.5 lbs.)

Preterm Births +

Method of Delivery +

NJ Birth Data Query Outcome Measure Selection

Overview

How to select a measure

Select a measure of interest from those listed below. Click its text link to go to the corresponding

For further explanation of the measures, hover your cursor over the selection bar and a description bubble to the right of some items provide additional information for those measures.

[Birth dataset help and documentation](#)

Older versions of Internet Explorer will not show pages or run queries properly. [More](#)

Count, Birth Rates, and Fertility Rates

Prenatal Care

Infant Birthweight

Percentage of Very Low, Low, Normal, and High Birthweight Infants

Percentage of Very Low Birthweight Infants (<1500 grams)

Percentage of Low Birthweight Infants (<2500 grams)

Percentage of Normal Birthweight Infants (2500 to 3999 grams)

Percentage of High Birthweight Infants (4000 or more grams)

Average Birthweight of Infants

Preterm Births

Method of Delivery

Select a measure:

In this example, we have selected the Low Birth Weight measure.

Query Builder for New Jersey Birth Data: 1990-2015 - Percentage of Low Birthweight Infants (1 grams)

New Jersey Department of Health NJSHAD Query System Data Use Agreement ×

The data and information provided through the NJSHAD Query System are intended for use by individuals engaged in activities designed solely to enhance the well-being of the community. These activities may include informing evidence-based decision making in the development of public health programs, interventions and systems, and inform health policy decisions.

As an NJSHAD Query System user, I AGREE TO:

1. Use the data for statistical reporting and analysis only.
2. Avoid any attempt to identify or contact individual(s) represented in the data.
3. Avoid disclosure or use of the identity of any individual(s) disclosed in the data.
4. Avoid linkage of NJSHAD query system data with other data sources to identify individuals represented in the NJSHAD query system data.
5. Use appropriate safeguards to prevent the inappropriate use of the data when disclosing NJSHAD Query System data to others.
6. Report IMMEDIATELY any inadvertent or intentional identity disclosure to the Center for Health Statistics, NJ Department of Health.

I understand that any violation of the above conditions may result in disciplinary action. If you are a state government employee, this may be grounds for immediate termination.

I AGREE

You must agree to the Data Use Agreement which states

- You will not attempt to identify individuals represented in the data, and
- If you inadvertently identify someone, you will inform NJDOH.

Step 5: Select infant characteristics

Step 6: Select health services utilization characteristics

Step 7: Select mother's geographic area of residence

Related Links

[Get Query Result](#)

[Reset to Default Selections](#)

[Select Different Measure to Query](#)

[XML View](#)

Query Builder for New Jersey Birth Data: 1990-2015 - Percentograms)

Overview

Abc

The

Department of Health, Office of Vital Statistics and Registry. All data shown are

How to build your query

The most current data year and all births are pre-selected in the step. You can select any maternal, infant, or health services utilization characteristics (e.g., race, sex, which rows and columns you want in your data table) then click on the

If you want to only see data for certain years, maternal, infant, or health services utilization characteristics, click on the numbered steps below to narrow your query. When you are done, click on the "Query" button you want in your data table. After that, click on the "Query" button.

Step 1: Select year of birth

(2015)

Select year grouping and year(s). Default is single years, most recent year.

Single years

2009
2010
2011
2012
2013
2014
2015

3-year groups

5-year groups

Step 2: Select mother's age

Step 3: Select mother's race and/or ethnicity

Step 4: Select other maternal characteristics

Step 5: Select infant characteristics

Step 6: Select health services utilization characteristics

Step 7: Select mother's geographic area of residence

- You build your query by clicking on steps and making selections.

- Default values for each step are described below the blue bar, and are pre-selected within the step.

- At each step, you can select how you want to group values (e.g., "3-year groups"), and whether you want to filter the data to certain values (e.g., "2012").

- If you don't want to filter a certain variable (e.g., age), simply skip that step. Everyone (e.g., "All ages") is selected by default.

2010
2011
2012
2013
2014
2015

- 3-year groups
- 5-year groups

Step 2: Select mother's age

Step 3: Select mother's race and/or ethnicity

Step 4: Select other maternal characteristics

Step 5: Select infant characteristics

Step 6: Select health services utilization characteristics

Step 7: Select mother's geographic area of residence

Step 8: Select state in which birth occurred

Step 9: How to display the data


(Grouped By: Year. Chart: None. Map: Default)

| | |
|-----------------------|--------------------------------------|
| Display By (category) | <input type="text" value="Year"/> |
| Group By (series) | <input type="text" value="None"/> |
| Chart | <input type="text" value="None"/> |
| County Map | <input type="text" value="Default"/> |

SUBMIT



- The last step asks how you would like to display your results. You may choose up to two variables (category & series) to display in your results table.
- You also have the option to select a chart/graph type. Maps will (or won't) display automatically depending on which variables you choose.
- Hit SUBMIT when satisfied with your selections.

- Related Links
- Return to Dataset Home Page
- Return to Selection Page
- Default Query Result
- Graph It! 
- Output to Excel
- XML View

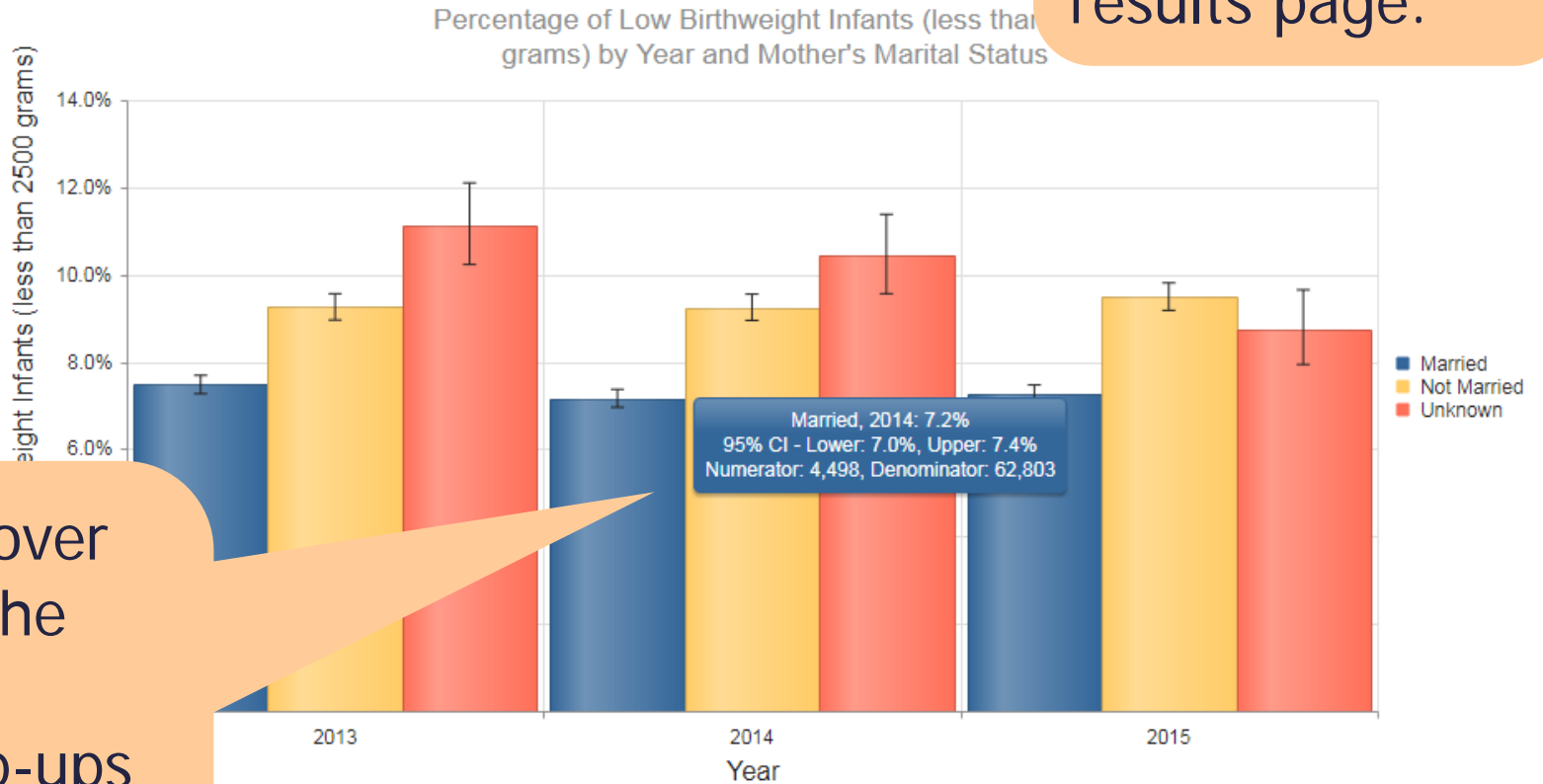
Query Results for New Jersey Birth Data: 1990-2015 - Percentage of Low Birthweight Infants (less than 2500 grams)

Query Criteria

Year Filter: 2013, 2014, 2015
 Data Grouped By: Year, Mother's Marital Status

Chart

Your selections are documented at the top of the results page.



Hovering over points in the graph will reveal pop-ups with relevant info for that data point.

| Year | Percentage of Low Birthweight Infants (less than 2500 grams) | 95% CI LL | 95% CI UL | Number of Low Birthweight Infants (less than 2500 grams) | Number of Live Births |
|------|--|-----------|-----------|--|-----------------------|
| 2013 | 7.5% | | | | |
| 2014 | 7.2% | 7.0% | 7.4% | 4,498 | 62,803 |
| 2015 | 7.2% | | | | |

The data table provides detailed information for each subgroup you selected.

| Mother's Marital Status | Year | Percentage of Low Birthweight Infants (less than 2500 grams) | 95% CI LL | 95% CI UL | Number of Low Birthweight Infants (less than 2500 grams) | Number of Live Births |
|-------------------------|----------------|--|-------------|-------------|--|-----------------------|
| Married | | | | | | |
| Married | 2013 | 7.5% | 7.3% | 7.7% | 4,660 | 62,319 |
| Married | 2014 | 7.2% | 7.0% | 7.4% | 4,498 | 62,113 |
| Married | 2015 | 7.3% | 7.1% | 7.5% | 4,654 | 61,113 |
| Not Married | | | | | | |
| Not Married | 2013 | 9.3% | 9.0% | 9.6% | 3,292 | 34,777 |
| Not Married | 2014 | 9.2% | 9.0% | 9.6% | 3,289 | 34,833 |
| Not Married | 2015 | 9.5% | 9.2% | 9.8% | 3,210 | 33,831 |
| Unknown | | | | | | |
| Unknown | 2013 | 11.1% | 10.2% | 12.1% | 493 | 4,417 |
| Unknown | 2014 | 10.4% | 9.6% | 11.4% | 462 | 4,311 |
| Unknown | 2015 | 8.8% | 7.9% | 9.6% | 377 | 4,111 |
| Overall | Overall | 8.1% | 8.0% | 8.2% | 24,935 | 249,315 |

The arrows can be used to sort and filter columns.

Data Sources

Data Issues

Query Date Time Stamp

These data were queried on: Tue, 9 Jan 2018 16:39:50 EST
 The dataset was last updated on: Fri, 27 Oct 2017 14:20:17 EDT

Asterisks in a table indicate when data are too sparse to provide a reliable estimate.

| | | | | | | |
|----------------|----------------|------|------|------|--------|---------|
| Unknown | | | | | | |
| Unknown | 2013 | | | | | |
| Unknown | 2014 | | | | | |
| Unknown | 2015 | | | 9.0% | 577 | 4,303 |
| Overall | Overall | 8.1% | 8.0% | 8.2% | 24,935 | 307,338 |

Metadata (information about the data) are provided at the bottom of the results page.

Data Sources

- New Jersey Birth Certificate Database, Office of Vital Statistics and Registry, New Jersey Department of Health

Data Issues

Reporting of some items was incomplete or not collected at all in the early 1990s, therefore all data for those items are shown as Unknown in those years.

2014 and 2015 were transitional years in New Jersey birth data collection as the old Electronic Birth Certificate (EBC) system was retired and the new Vital Information Platform (VIP) was rolled out in hospitals across the state over a one year period from July 2014 through June 2015. Several birth certificate items are collected differently in the VIP than they were in the EBC and are not directly comparable between the old and the new, therefore all data for those items that were collected through the VIP are shown as Unknown in those years.

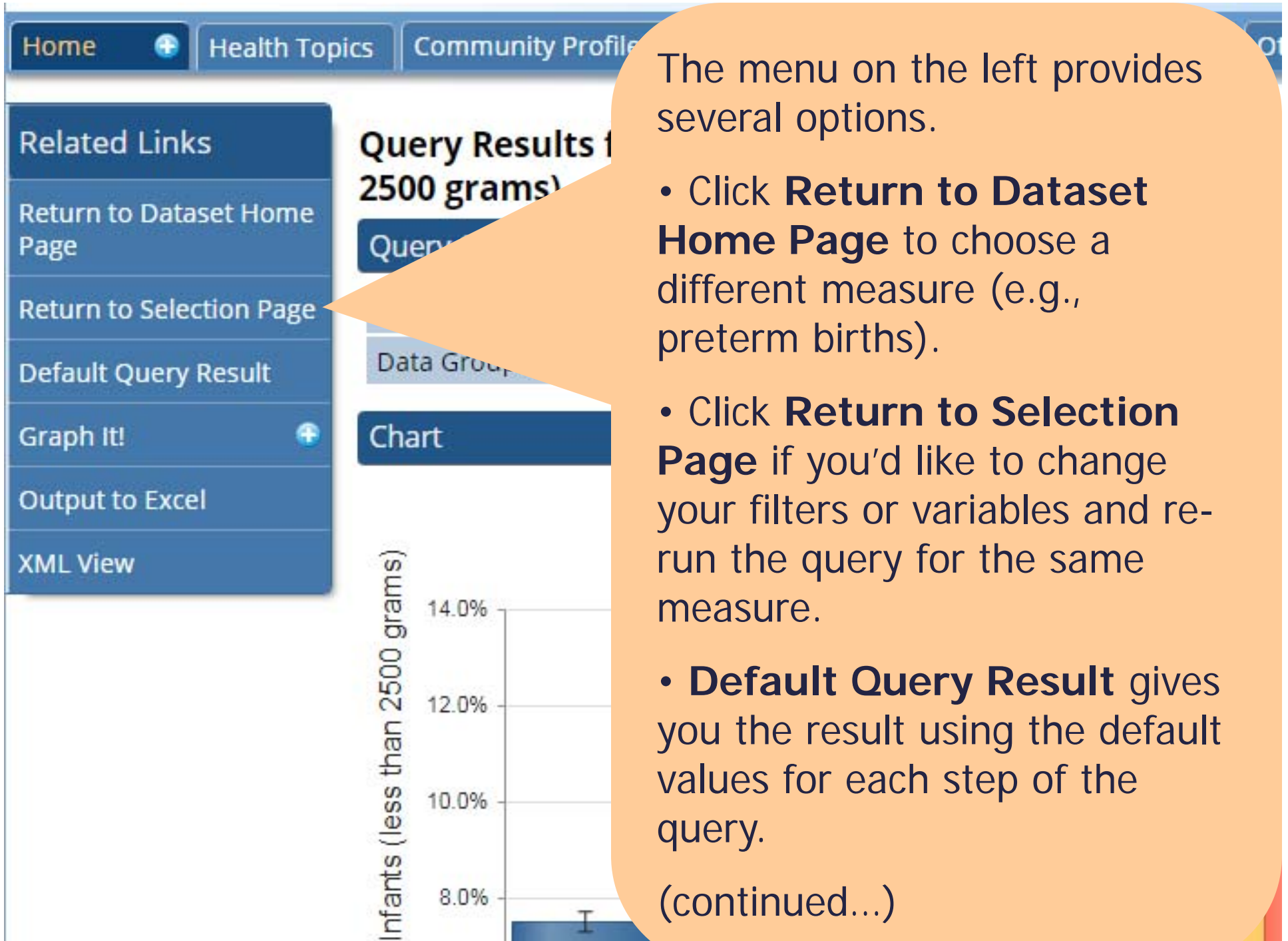
Query Date Time Stamp

These data were queried on: Tue, 9 Jan 2018 17:15:13 EST
 The dataset was last updated on: Fri, 27 Oct 2017 14:20:17 EDT

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Center for Health Statistics, New Jersey Department of Health, PO Box 360, Trenton, NJ 08625-0360, Web: www.nj.gov/health/chs, e-mail: chs@doh.nj.gov

The NJDOH program responsible for the dataset will always be listed at the bottom of the page with contact info if you have questions.



The menu on the left provides several options.

- Click **Return to Dataset Home Page** to choose a different measure (e.g., preterm births).
- Click **Return to Selection Page** if you'd like to change your filters or variables and re-run the query for the same measure.
- **Default Query Result** gives you the result using the default values for each step of the query.

(continued...)

Related Links

[Return to Dataset Home Page](#)[Return to Selection Page](#)[Default Query Result](#)[Graph It!](#)[Output to Excel](#)[XML View](#)

Query Results for New Jersey Birth Data: 1990-2015 - Percent of Births (less than 2500 grams)

Query Criteria

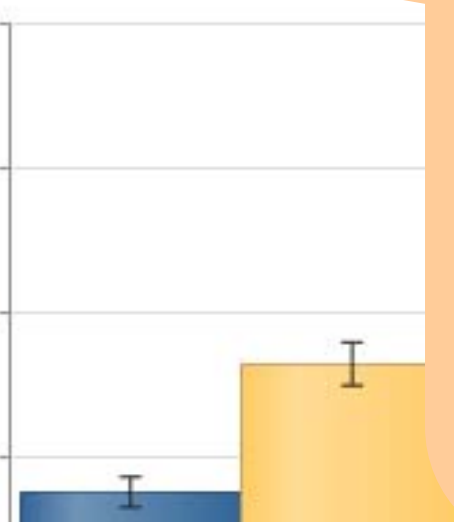
Year Filter:

2013, 2014, 2015

Data Grouped By:

Chart

Infants (less than 2500 grams)

14.0%
12.0%
10.0%
8.0%

Graph It! allows you to easily select a different type of graph.

Output to Excel allows you to save your results as an Excel file.

XML View shows the page in XML format.

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- Pregnancy (PRAMS) Data
- Query Help

NJSHAD Query System Help Page

General Query System Help

[Definitions of Public Health Terms and Acronyms](#)
[How to Cite Query Data](#)

How To Use the Query System

- [NJSHAD Query System Tips](#)
- [NJSHAD Query System Tutorial and Workbook](#)
- [NJSHAD Step-by-Step Demonstration - Webinar/Video \(Sept 2011\)](#)

Printing and Exporting Tables and Graphs

- [Printing and Exporting NJSHAD Tables](#)
- [Copy/Paste procedure for NJSHAD graphics into Powerpoint, Word, or other applications](#)

Calculations and Statistics

- [Health Event Counts](#)
- [Health Event Rates](#)
- [Age-Adjusted Rates](#)
- [U.S. 2000 Weights for Age-Adjustment](#)
- [Life Expectancy](#)
- [Years of Potential Life Lost \(YPLL\)](#)

- [Allocation of Data by Residence or Occurrence](#)
- [Confidence Intervals](#)
- [Convert Grams to Pounds](#)
- [Reliability and Validity](#)

Dataset-Specific Help

Births

- [Birth Data Documentation](#)

Mortality

- [Death Data Documentation](#)
- [ICD \(International Classification of Diseases\) Codes](#)
- [ICD \(International Classification of Diseases\) Information](#)
- [Causes of Death: Groups, Ranking, and Leading Causes](#)
- [NJDOH 33 Major Causes of Death](#)
- [NCHS 50 Rankable Causes of Death](#)
- [NCHS 113 Selected Causes of Death](#)
- [Other Cause of Death Groupings](#)
- [Injury Matrix for ICD-10 codes](#)
- [2009 Cause of Death Coding Problem \(May 2013\)](#)
- [Changes to 2000-2014 Death Dataset \(July 2017\)](#)

Infant Mortality

- [Infant Mortality Data Documentation](#)
- [NJDOH 10 Major Causes of Infant Death](#)
- [NCHS 71 Rankable Causes of Infant Death](#)
- [NCHS 130 Selected Causes of Infant Death](#)

Fetal Mortality

- [Fetal Mortality Data Documentation](#)

Selecting Query Help under Dataset Queries (on the top or left menu) will bring you to this page where you can find various resources and helpful links for further information on the query system and the datasets it contains.