

Using NJSHAD to Better Understand the Health of Your Local Community

September, 2017

- NJSHAD is a website. It's free and publicly available.
- NJSHAD provides access to public health datasets, statistics, and information on the health status of New Jerseyans.

The image shows a screenshot of the NJSHAD website interface. At the top, there is a navigation bar with six numbered tabs: 1. Home, 2. Health Topics, 3. Community Profiles, 4. Indicator Reports, 5. Dataset Queries, and 6. Other Data and Resources. Below the navigation bar is a main menu with the following items:

- 1. Home
- 2. Health Topics
- 3. Community Profiles
 - ▶ Dashboard
 - ▶ Profile Reports
- 4. Indicator Reports
- 5. Dataset Queries
- 6. Other Data and Resources
 - ▶ Community Health Assessment
 - ▶ **Local Health Info** (circled in red)

On the right side of the page, there are several graphical elements: a 'NJ Health' logo, a 'Healthy New Jersey 2020' logo, a map of New Jersey counties, a circular diagram with various health indicators, and a 'Public Health' logo with the tagline 'Prevent. Promote. Protect.'

- This is the top menu bar that you'll see in NJSHAD
- Order of presentation

The screenshot shows the NJSHAD website with the following structure:

- Top Navigation:** Home, Health Topics, Community Profiles, Indicator Reports, Dataset Queries, Other Data and Resources.
- Left Sidebar:** Home, Quick Links, About NJSHAD, What's New in Version 2.3, Success Stories, **FAQs**, Help, Request a Demo, Contact Us.
- Main Content Area:**
 - WHAT'S NEW IN NJSHAD:** Two new ways to find the data you need!
 - By Health Topic (Jan 2017)
 - By Community
 - Dashboards for county and racial/ethnic groups (Jan 2017)
 - Profile Reports for counties (Feb 2017)
- 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.
 - Health Topic pages contain links to all related information in NJSHAD for more than 20 public health topic areas.
 - Community Profiles for all 21 counties and 4 racial/ethnic groups for Healthy NJ objectives, leading causes of death, and more.
 - Reports on over 200 public health status indicators containing graphs, data tables, and explanatory information.
 - Dataset Queries that allow users to interactively create graphs, maps.
- Quick Links:**
 - Reports and Statistics:** Leading Causes of Death, Health Disparity Priority Areas, Healthy New Jersey 2020, Infant Mortality, Teen Births, Suicide, Birth Rate Trend.
 - Create Your Own Report:** Births by Municipality (7.9), Age-Adjusted County Death Rates (8), General Health Status, Infant Deaths by County or Municipality (8.9), Leading Causes of Death by County (8.8), Heart Attack Hospitalizations (4.8).
- Information for...:**
 - Community Health Assessment
 - Local Health
 - School Enrollment Planning
 - Data Query System Users**
 - NJ Environmental Public Health Tracking Program (EPHT)
 - FAQs
 - Request a Demo

- What's New is actively updated
- Information for... is like a special Quick Links for local health people
- When in doubt, check FAQs and Help
- If all else fails, contact us.

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

Public Health Topics

N.J. Health
New Jersey Department of Health

[Access to Care/Health Insurance](#)
[Air Quality](#)
[Alcohol](#)
[Asthma](#)
[Births/Maternity](#)
[Brain/Nervous System](#)
[Cancer](#)
[Cardiovascular Disease](#)

[Demographic Characteristics](#)
[Diabetes](#)
[Environment](#)
[Immunization](#)
[Infectious/Communicable Diseases](#)
[Injury and Violence](#)
[Mental Health](#)
[Mortality and Leading Causes of Death](#)

[Nutrition](#)
[Obesity and Overweight](#)
[Overall Health Status](#)
[Physical Activity](#)
[Substance Abuse](#)
[Tobacco](#)
[Water Quality](#)

- 23 Topics
- Many links to related INDICATOR REPORTS and QUERIES other parts of DOH, other data sources, federal data, etc. ...

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

N.J. Health
New Jersey Department of Health

Community Dashboards

Profile Types



Dashboard
Select a county or racial/ethnic community.



Full Profile Report
Select a county.

Compare your community to NJ and US.

► **Community Dashboard Builder**

Step 1: Select a community

County

- Atlantic
- Bergen
- Burlington
- Camden
- Cape May
- Cumberland
- Essex
- Gloucester
- Hudson
- Hunterdon

Race/Ethnicity

Step 2: Select a set of health indicators

- Births and Infant Health
- Healthy New Jersey
- Leading Causes of Death
- All Available Indicators

Step 3: Select additional information for your profile

Information selected here will be included in the table footnotes.

- Why is it Important?
- Numerator and Denominator Definitions
- Data Notes

SUBMIT

- THREE EASY STEPS TO MAKE YOUR DASHBOARD!
- HNJ – not all HNJ objectives are in there but everything in there is a HNJ objective
- LCOD is 10 LCODs for NJ (total)

Public Health Indicator	Community Data			Comparison Values	
	Count / Rate	Confidence Interval*	Compared to NJ	New Jersey	United States
<u>Teen Birth Rates, 2015</u> (Live Births per 1,000 Females Aged 15-17 Years) The number of resident live births to females in a specific age group per 1,000 females in the age group.	13.5	(12.4 - 14.7)		5.2	9.9
<u>First Trimester Prenatal Care, 2015</u> (Percentage of Live Births) Number of live births to pregnant women who received prenatal care in the first trimester as a percentage of the total number of live births.	68.8%	(68.3% - 69.4%)		73.6%	71.7%
<u>Preterm Births, 2015</u> (Percentage of Live Births) Percent of live born infants born before 37 weeks of gestation based on obstetric estimate. Preterm is synonymous with premature. Infants born at or after 37 weeks of pregnancy are called full term. Most pregnancies last around 40 weeks.	9.7%	(9.4% - 10.1%)		9.6%	9.6%
<u>Low Birth Weight, 2015</u> (Percentage of Live Births) Percent of live-born infants delivered with a birth weight of less than 2,500 grams (about 5 lbs, 8 oz)	7.6%	(7.3% - 8.0%)		8.1%	8.1%
<u>Low-Risk Cesarean Deliveries, 2015</u> (Percentage of Low-Risk Births) The low-risk cesarean delivery rate is the percentage of cesarean deliveries among nulliparous (first birth), term (37 completed weeks or more, based on the obstetric estimate), singleton (one fetus), vertex (head first) births	30.7%	(29.7% - 31.7%)		31.0%	25.8%
<u>Infant Mortality Rate, 2014</u> (Deaths per 1,000 Live Births) Rate of death occurring under 1 year of age in a given year per 1,000 live births in the same year	4.7	(3.9 - 5.5)		4.4	5.8



- ▶ Indicator name
- ▶ Data year
- ▶ Definition
- ▶ Community rate
- ▶ Confidence interval
- ▶ Better – The Same – Worse than the NJ total
- ▶ NJ value
- ▶ US value

← BETTER than state total

← ABOUT THE SAME (no statistically significant difference)

← WORSE than state total

- Dashboard result page

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N.J. Health
New Jersey Department of Health

County Profile Reports

Profile Types

Dashboard
Select a county or racial/ethnic community.

Full Profile Report
Select a county.

Compare your community to NJ and US.

▶ **County Profile Report Selector**

Select a county	Page through the report	Scroll through the report	Print the report
Atlantic			
Bergen			
Burlington			

Health Insurance Coverage: Percent uninsured, 2015

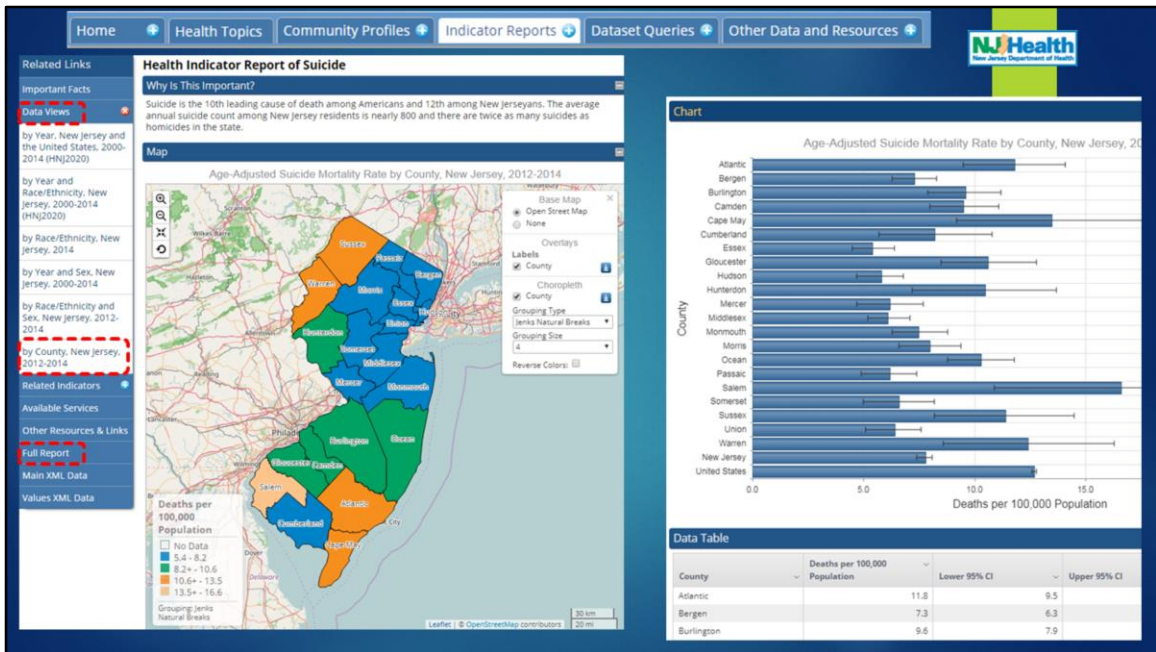
Burlington	5.9%
95% Confidence Interval	(5.4% - 6.4%)
State	10.0%
U.S.	10.9%

Burlington Compared to State

Description of Gauge

- Includes every health indicator report that has data by county.
- Bar lengths are relative
- Full indicator text below gauge
- Link to complete indicator report

- Over 200 health indicator reports are online (241)
- Alphabetical list (can sort by publication date to see what's been updated) or...
- Categorized lists
- Click on a category and you'll get a list of related reports
- Click on topic area and you'll get a list of indicators (anything with a plus sign is expandable – click on the plus, bar, or words and more stuff will show beneath)
- Click on one to get the indicator report










- Default view may not be the county view
- Open Data Views on the right. County is usually the bottom view – easy to find.
- Or click Other Views below the Data Tables
- Full Report will give you all the views

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

Custom Dataset Queries

▼ Datasets and Data Years Currently Available

-  [Births: 1990-2015](#)
-  [Mortality: 2000-2015](#)
-  [Infant and Fetal Mortality: 2000-2014](#)
-  [Behavioral Risk Factor Survey: 2011-2015](#)
-  [Communicable Diseases: 2010-2015](#)
-  [Inpatient and Emergency Department Hospital Discharges: 2008-2015](#)
-  [Pregnancy Risk Assessment Monitoring Survey \(PRAMS\): 2004-2014](#)

Preliminary Birth and Death Statistics

- If you need preliminary municipality-level birth data for **school enrollment projections**, please email chs@doh.nj.gov
- Please read [Timeliness and Accuracy of Public Health Data](#)

Query System News and Updates

- 2015 data added to [Mortality Query Module](#) (updated: July 2017)
- 2014 data updated in [Mortality Query Module](#) (updated: May 2017)
- New Module:** [Pregnancy Risk Assessment Monitoring System \(PRAMS\) Survey](#) (added: Apr 2017)
- 2015 data added to [Birth Query Module](#) (updated: Apr 2017)
- Age-adjusted death rates for large municipalities added to [Mortality Query Module](#) (updated: Mar 2017)
- Cesarean delivery rates added to [Birth Query Module](#) (updated: Mar 2017)
- New Module:** [Communicable Diseases](#) (added: Jan 2017)
- 2014-2015 data added to [Behavioral Risk Factor Survey Query Module](#) (updated: Dec 2016)
- 2014 data added to [Infant Mortality Query Module](#) (updated: Oct 2016)
- 2015 data added to [Hospital Discharge Query Module](#) (updated: Sept 2016)
- 2014 data added to [Mortality Query Module](#) (updated: Sept 2016)

- This is if you want detailed statistics, filtered or cross-tabulated, municipality-level, etc.
- Choose dataset (we're going to be adding more but this is what we have right now)
- When there's prelim data available, it gets posted in the orange section
- When will the next year come out? Check the News and Updates. If it's been < 1 year since the latest year was posted, the next year probably isn't ready yet.

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Custom Dataset Queries

Query Builder

Outcome Measure Selection

- Count, Birth Rates, and Fertility Rates
- Prenatal Care
- Infant Birthweight
- Preterm Births
 - Percentage of All Preterm Births (<37 weeks)
 - Percentage of Very, Moderately and Late Preterm Births
 - Average Gestational Age of Infants
- Method of Delivery

Step 1: Select year of birth (2015)

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: Geographic Area of Residence, Chart: Horizontal Bar, Map: Default)

Display By (category): Geographic Area of Residence

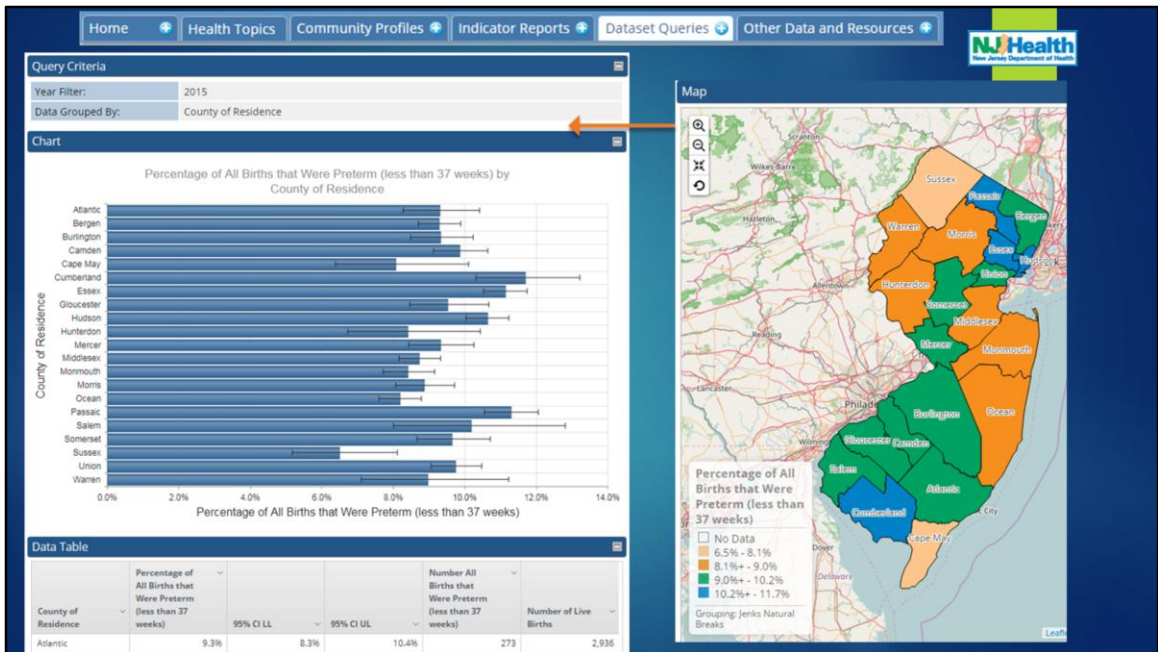
Group By (series): None

Chart: Horizontal Bar

Map: Default

SUBMIT RESET

- Choose measure (count, rate, percentage, etc.)
- Choose filters (age, race, sex, geography, etc.) and how you want the data displayed (e.g., age x sex)
- When category = county, if you choose a series, you won't get a map.



- You get a data table and, if selected, a graph or map
- If you want a graph after the data table has displayed, click Graph It! on the left navigation menu.

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Other Data & Resources

Other Data and Resources

Introduction

NJDOH Office Index

Birth, Death, Infant Death, and Fetal Death

Community Health Assessment Info

Data Access and Analysis Tools

Health Disparities

Local Health Info

Marriage, Civil Union, and Domestic Partnership

Vital Events Counts and Rates, 1900-Present

Other Data and Resources

This section contains NJSHAD data and information pages that are not part of the Indicator Reports or Dataset Queries sections. It also contains links to other sources of New Jersey health data outside of NJSHAD.

Index of NJDOH Offices and Divisions
Links to websites of NJDOH offices that produce data and publications

Birth, Death, Infant Death, and Fetal Death Data and Statistics
Links to different types of vital event data and reports

Community Health Assessment
Quick links to data for community health assessment and community health improvement planning

Data Access and Analysis Tools
Links to federal and other data query systems, historical trends, comparison reports

Environmental Public Health Tracking (EPHT)
New Jersey Environmental Public Health Tracking Program website

Health Disparities
Reports, data, and information addressing health disparities in New Jersey

Local Health Data and Statistical Resources
Information for Local Health Officers and others interested in local data

- Community Health Assessment – created for nursing students doing CHNA assignments
- Local Health Info – used to be on CHS’s website

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Local Data

County-level data is available through NJSHAD in [Community Profiles](#), some [Indicator Reports](#), and all [Dataset Queries](#), except PRAMS.

Municipality-level data is only available in [Dataset Queries](#) and for the following datasets:

- [Births, Mortality](#) and [Infant and Fetal Mortality](#) (all municipalities)
- [Inpatient and ED Hospital Discharges](#) (all municipalities)
- [Behavioral Risk Factor Survey](#) (Newark and Jersey City only)

"Select geographic area of residence" is one of the last query builder steps and that is where the county/municipality filter is. Choose "Geographic Area" in the final step: "How to Display the Data" to see data listed by county/municipality.

NEW! (Mar '17) [Age-adjusted death rates](#) are now available for municipalities with over 65,000 residents.

Behavioral Risk Factor Survey estimates for nine large New Jersey cities are now available through CDC's [500 Cities Project](#).

Municipalities with 65,000+ Residents

1. Bayonne
2. Brick
3. Camden
4. Cherry Hill
5. Clifton
6. East Orange
7. Edison
8. Elizabeth
9. Franklin Twp (Somerset County)
10. Gloucester Twp (Camden County)
11. Hamilton Twp (Mercer County)
12. Jersey City
13. Lakewood
14. Middletown
15. Newark
16. Old Bridge
17. Passaic
18. Paterson
19. Toms River
20. Trenton
21. Union City
22. Woodbridge

Data source: [American Community Survey](#)

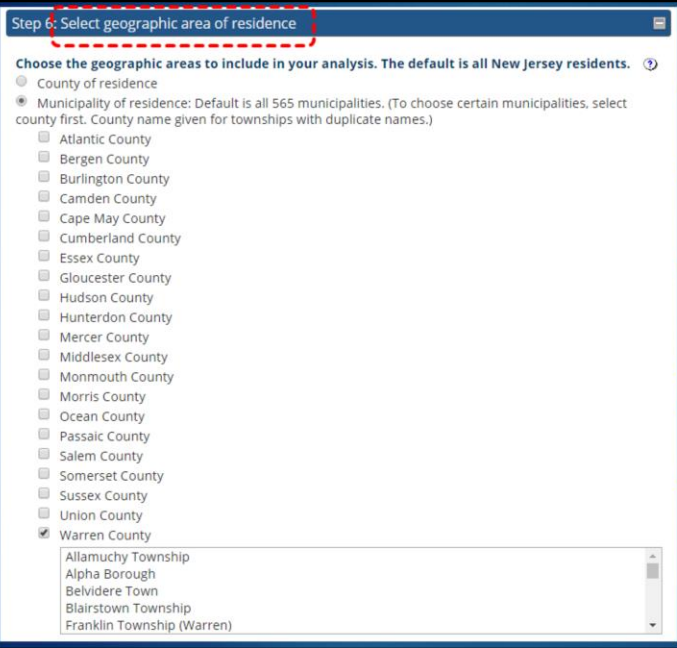
NJ Municipalities in CDC's 500 Cities Project

1. Camden
2. Clifton
3. Elizabeth
4. Jersey City
5. Newark
6. Passaic
7. Paterson
8. Trenton
9. Union City

Data source: [500 Cities](#)

"Select geographic area of residence"

- This is your own special local health cheat sheet.
- Also has some "how to" statistical info that used to be on CHS website.
- Why are a-a death rates a big deal? Until recently, there were no population estimates by age for sub-county areas. No population estimates means no rates.



Step 6: Select geographic area of residence


Choose the geographic areas to include in your analysis. The default is all New Jersey residents.

County of residence

Municipality of residence: Default is all 565 municipalities. (To choose certain municipalities, select county first. County name given for townships with duplicate names.)

- Atlantic County
- Bergen County
- Burlington County
- Camden County
- Cape May County
- Cumberland County
- Essex County
- Gloucester County
- Hudson County
- Hunterdon County
- Mercer County
- Middlesex County
- Monmouth County
- Morris County
- Ocean County
- Passaic County
- Salem County
- Somerset County
- Sussex County
- Union County
- Warren County

Allamuchy Township
Alpha Borough
Belvidere Town
Blairstown Township
Franklin Township (Warren)



- ▶ County selections are expanded by default.
- ▶ Click the radio button next to "Municipality..." to switch to that view.
- ▶ Click the box next the corresponding county to see the list of municipalities.
- ▶ Select the ones you want.
- ▶ You can select from multiple counties.
- ▶ To see data for all municipalities, click the radio button but don't make any selections. Choose "Geographic Area of Residence" as the category or series in the final step.

- They're listed by county to make it easier for a county health officer to choose only and all municipalities in their county.
- Duplicate township names have the county name in parentheses to avoid confusion.

- ▶ If you FILTERED to one municipality, you can cross-tab by any two other variables.
- ▶ To see data for multiple municipalities, choose “Geographic Area of Residence” as the category or series in the final step.

Step 7: How to display the data
(Grouped By: Geographic Area of Residence, Chart: None, Map: Default)

Display By (category)	Geographic Area of Residence
Group By (series)	None
Chart	None
Map	Default

SUBMIT

Municipality of Residence	Count of ED Visits
Absecon City	4,101
Atlantic City	37,541
Brigantine City	2,430
Buena Borough	1,844
Buena Vista Township	1,405
Corbin City	75
Egg Harbor City	5,913
Egg Harbor Township	14,146
Estell Manor City	219
Folsom Borough	86
Galloway Township	9,701
Hamilton Township (Atlantic)	10,067
Hammonton Town	12,242
Linwood City	1,460
Longport Borough	202
Margate City	1,406
Mullica Township	288
Northfield City	2,207
Pleasantville City	13,077

- Filter data by muni vs. list data by muni

Summary:



- ▶ **County** data is available throughout NJSHAD.
- ▶ **Municipality** data is only available in the Dataset Queries.
 - ▶ **Birth** – everything except fertility rates and teen birth rates, all 565
 - ▶ **Infant & Fetal Death** – everything for all 565
 - ▶ **Death** – counts and crude rates (565) and age-adjusted rates for 22 cities
 - ▶ **Hospitalizations** – counts only for all 565
 - ▶ **Behavioral Risk Factor Survey** – only Newark & Jersey City, all measures
 - ▶ **Communicable Disease Incidence** – county only
 - ▶ **Pregnancy Risk Assessment Monitoring System** – state only

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