

NJSHAD:

New Jersey's Environmental Public Health Tracking (EPHT) Data Portal



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NAPHSIS
Protecting Personal Identity
Promoting Public Health

GETTING OUR DUCKS IN A ROW: MODERNIZING VITAL RECORDS

NAPHSIS ANNUAL MEETING | MEMPHIS | JUNE 5-8, 2017

 **NJSHAD** **New Jersey State Health Assessment Data**
New Jersey's Public Health Data Resource
Path: NJSHAD » Home

NJSHAD:

NEW JERSEY'S ENVIRONMENTAL PUBLIC HEALTH TRACKING (EPHT) DATA PORTAL

- NJSHAD is a website
- NJSHAD provides access to public health datasets, statistics, and information on the health status of New Jerseyans.

Background



- ▶ NJSHAD is based on Utah's Indicator-Based Information System for Public Health (IBIS-PH)
- ▶ All credit goes to the brilliant minds of those involved in the origins of IBIS-PH
- ▶ IBIS-EPHT states:
 - ▶ Kentucky
 - ▶ New Jersey
 - ▶ New Mexico
 - ▶ Utah
- ▶ Other IBIS states/tribes: AK, AZ, HI, MT, NC, USET



- Talk about features available in **all** IBIS systems
- All credit goes to the brilliant minds of those involved in the origins of IBIS-PH
- A lot of my slides are dense with text but they're just screenshots. You don't have to try to read the words. They're just images that happen to be a bunch of words.
☺

The image shows a screenshot of the NJ Health website. At the top right is the NJ Health logo with the text 'New Jersey Department of Health'. Below it is a navigation bar with five items: 'Home', 'Health Topics', 'Community Profiles', 'Indicator Reports', 'Dataset Queries', and 'Other Data and Resources'. Each item has a small blue icon. Above the navigation bar are numbers 1 through 5. Below the navigation bar is a list of menu items: '1. Health Topics' (with sub-items 'Air Quality', 'Environment', and 'Water Quality'), '2. Community Profiles', '3. Indicator Reports' (with sub-item 'EPHT'), '4. Dataset Queries', and '5. Other Data and Resources'. To the right of this list is a graphic with a green background, a yellow sun-like pattern on the left, and a yellow outline of New Jersey on the right. The text on the graphic reads 'NEW JERSEY Environmental Public Health Tracking Program'.

- Order of today's presentation = order of menu items on website

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

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Public Health Topics

- ▶ Why It's Important
- ▶ Who's At Risk
- ▶ How to Reduce Risk
- ▶ How It's Tracked
- ▶ Indicator Reports
- ▶ Queryable Datasets
- ▶ Publications
- ▶ FAQs and Resources

- 22 Topics
- Many links to other parts of DOH, other data sources, federal data, etc. ...

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

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Community Dashboards & 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.

► 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

- THREE EASY STEPS TO MAKE YOUR DASHBOARD!

Public Health Indicator	Community Data			Comparison Values	
	Count / Rate	Confidence Interval*	Compared to NJ	New Jersey	United States
Teen Birth Rates, 2015 (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
First Trimester Prenatal Care, 2015 (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%
Preterm Births, 2015 (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%
Low Birth Weight, 2015 (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%
Low-Risk Cesarean Deliveries, 2015 (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%
Infant Mortality Rate, 2014 (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

- Ta-da!
- Explain the parts of the dashboard.

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

Community Profile Reports

- ▶ Choose a county
- ▶ Choose to view
 - ▶ Whole report or
 - ▶ Table of contents to select what you want to see
- ▶ Each profile has
 - ▶ Summary stats and gauge
 - ▶ Explanatory text

Ocean County Public Health Profile Report
 Infant Mortality Rate: Deaths per 1,000 Live Births, 2010-2014

Ocean	2.6
95% Confidence Interval	(2.7 - 3.1)
State	4.6
U.S.	6.0

Ocean Compared to State

Description of Gauge

Camden County Public Health Profile Report
 Infant Mortality Rate: Deaths per 1,000 Live Births, 2010-2014

Camden	8.0
95% Confidence Interval	(7.0 - 9.0)
State	4.6
U.S.	6.0

Camden Compared to State

Description of Gauge

- Explain gauge: excellent vs reason for concern – how determined

Description of the Gauge

Excellent = The county's value on this indicator is BETTER than the state value, and the difference IS statistically significant.

Watch = The county's value is BETTER than state value, but the difference IS NOT statistically significant.

Improvement Needed = The county's value on this indicator is WORSE than the state value, but the difference IS NOT statistically significant.

Reason for Concern = The county's value on this indicator is WORSE than the state value, and the difference IS statistically significant.

The county value is considered statistically significantly different from the state value if the state value is outside the range of the county's 95% confidence interval.

If the county's data or 95% confidence interval information is not available, a blank gauge image will be displayed with the message, "missing information."

NOTE: The labels used on the gauge graphic are meant to describe the county's status in plain language.

The placement of the gauge needle is based solely on the statistical difference between the county and state values.

When selecting priority health issues to work on, a county should take into account additional factors such as how much improvement could be made, the U.S. value, the statistical stability of the county number, the severity of the health condition, and whether the difference is clinically significant.

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

Health Indicator Reports &

NEW JERSEY Environmental Public Health Tracking Program

NJ Health New Jersey Department of Health

Health Topics

- [Birth and Infant Health](#)
- [Cancer](#)
- [Child and Adolescent Health](#)
- [Infectious and Communicable Diseases](#)
- [Injury and Violence](#)
- [Mortality and Leading Causes of Death](#)
- [Nutrition, Physical Activity, and Obesity Surveillance](#)
- [Occupational Health and Safety](#)

Quick Links

- Infant Mortality
- Preterm Births
- Elevated Blood Lead
- Particulate Matter in Air

All Environmental Public Health Tracking Indicator Reports

- Outdoor Air Quality
- Indoor Air Quality
- Drinking Water Quality
- Lead Exposure**
- Birth and Infant Outcomes
- Cancer Incidence
- Carbon Monoxide Exposure
- Occupational Health and Safety

Health Initiatives and Programs

- [Environmental Public Health Tracking \(EPHT\) Network](#)
- [Health Disparity Priority Areas](#)
- [Healthy New Jersey \(HNI\)](#)
- [Leading Health Indicators](#)
- [Maternal and Child Health Epidemiology \(MCH Epi\)](#)

Percent of Tested Children under 3 Years of Age with Confirmed Elevated Blood Lead, by Year, 2000 - 2015

Year	≥ 10µg/dL (%)	≥ 20µg/dL (%)
2000	3.5	0.5
2001	2.8	0.4
2002	2.7	0.4
2003	2.7	0.4
2004	2.2	0.4
2005	1.8	0.4
2006	1.5	0.3
2007	1.2	0.3
2008	0.8	0.2
2009	0.7	0.2
2010	0.7	0.2
2011	0.6	0.2
2012	0.5	0.2
2013	0.5	0.2
2014	0.5	0.2
2015	0.5	0.2

- Over 200 health indicator reports are online
- Alphabetical list or...
- Categorized lists, including EPHT indicators
- Click on a category and you'll get a list of related reports
- Click on one to get the indicator report
- Indicators include
 - One or more "views" = graph + data table
 - Why it's important, definition, numerator, denominator
 - How we're doing, What we're doing, How we compare to the US
 - Related indicators
 - Healthy People objective
 - Links for more info, services, resources, etc.

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

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Custom Dataset Queries

▼ Datasets and Data Years Available

- Births: 1990-2015**
- Mortality: 2000-2014
- 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

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

- Percentage of All Preterm Births (<37 weeks)
- Percentage of Very, Moderately and Late Preterm Births

Example:
Low Birth Weight Among Singleton Term Births

Year

Maternal characteristics

Step 5: Select infant characteristics (Single Birth, 37-41 wks (Term), 42+ wks (Post-Term))

Choose infant characteristics to include. The default is all infants.

- Sex
- Plurality (single or multiple birth)
 - All births, single and multiple
 - Single Birth
 - Twins
 - Triplets
 - Quadruplets
 - Quintuplets or higher
- Gestational age
 - All ages
 - Less than 22 wks (Very Preterm)
 - 22-24 wks (Very Preterm)
 - 25-27 wks (Very Preterm)
 - 28-31 wks (Very Preterm)
 - 32-33 wks (Moderately Preterm)
 - 34-36 wks (Late Preterm)
 - 37-41 wks (Term)
 - 42+ wks (Post-Term)

Health services utilization

Geography

- This is if you want detailed statistics, filtered or cross-tabulated, municipality-level, etc.
- Choose dataset (we're going to be adding more but these 9 are what we have right now) – UT and NM have many more to choose from
- Choose measure (count, rate, percentage, etc.)
- Choose filters and how you want the data displayed
- Maternal characteristics: age, race, marital status, etc.
- Health services: PNC onset, method of delivery, attendant at delivery, etc.
- Geo: Utah and NM have health districts

- 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)
- Choose measure (count, rate, percentage, etc.)
- Choose filters and how you want the data displayed

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
- Preliminary Vital Statistics
- 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](#)

Updates

- 2016 data added to [Civil Union and Domestic Partnership](#) counts (updated: Dec 2016)
- 2014 data added to [Marriage](#) counts (updated: Dec 2016)
- [Preliminary 2015 Birth and Death Data](#) (updated: Jan 2017)
- 2014 counts and rates added to [Vital Events Since 1900](#) (updated: Sept 2016)

Clicking this link will take you off the NJSHAD website.

- Go to NJ EPHT website

Home » Environmental Public Health Tracking

Environmental Public Health Tracking

- [Environmental Quality](#)
- [Human Exposure](#)
- [Health Outcomes](#)
- [Success Stories: Tracking in Action](#)
- [Metadata Search](#)

Other Resources

- EPHT DATA**
- [NJ Department of Environmental Protection](#)
- [Beach Water Quality](#)
- [Coastal Recreational Sites in New Jersey](#)
- [Open Space Inventory](#)
- [Map of NJ Open Space](#)
- [Archived Reports](#)
- [Contact Us](#)

Environmental Public Health Tracking

The New Jersey Department of Health (NJDOH) and the [New Jersey Department of Environmental Protection \(NJDEP\)](#) continue to expand the **New Jersey Environmental Public Health Tracking (EPHT) Network**, which is part of a National EPHT Network developed by the U.S. Centers for Disease Control and Prevention (CDC), 25 states, and New York City.

NJDOH and NJDEP collect data on health, human exposures and environmental hazards. The New Jersey EPHT Network seeks to bring this information together. Tracking data can be used to help understand patterns and trends in:

- Environmental hazards
- Levels of Human Exposure
- Patterns and time trends in diseases

New Jersey's Environmental Public Health Tracking Program uses the New Jersey State Health Assessment Data (NJSHAD) system to disseminate Tracking Data. Information in NJ SHAD can be found in three forms: indicator reports, custom queries and written reports.

[Data and summary statistics](#) (indicators in NJ SHAD)

[Custom queries of birth, mortality, hospitalization, and BRFSS data](#)

[Custom queries of cancer data](#)

[Custom queries of private well water quality data](#)

The EPHT Network is designed to serve as an information resource for the public, government officials, health care providers, community organizations, and researchers.

National EPHT Program Overview

- [National EPHT Home](#)
- [National Grantees](#)
- [National Tracking Data](#)



[Take our Tracking Portal User Survey](#)



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To adopt IBIS:

trac.ibisph.org/trac/

- I will make my slides available for posting of the NAPHSIS member website after the annual meeting adjourns
- Questions?

Thank You

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email: njshad@doh.nj.gov

web: nj.gov/health/shad

Photo credit: The Peabody, Memphis

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