

# **Environmental Public Health Tracking Birth Defects on the NYS Portals**



**NBDPN 15<sup>th</sup> Annual Meeting  
Arlington, Virginia  
Feb 27 – Feb 29, 2012**

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NYS DOH Center for Environmental Health**




# NYS Environmental Public Health Tracking


- **NYS EPHT Program Overview**
- **Three Tiered System**
  - **Local Area Network (LAN)**
  - **Public Portal**
  - **Secure Portal**
- **Birth Defects Query and Displays**



# New York State's Environmental Public Health Tracking Program



## Environmental Public Health Tracking (EPHT) Program Overview



❖ Track core environmental hazards, exposures and health outcomes

View by: **County** **Cancer**

All ages       Childhood (ages 0-19)

Cancer: **Breast (Female, all ages)**      • All cancers  
Sex: **Female**      • Female and male

Breast Cancer Age-Adjusted Rates per 100,000 Females, 2001-2005

Map Key

Color	Age-adjusted rate
Lightest Orange	100 to 110
Light Orange	110 to 120
Orange	120 to 130
Dark Orange	130 to 140
Dark Orange	140 to 152

NYS age-adjusted rate: 124.8

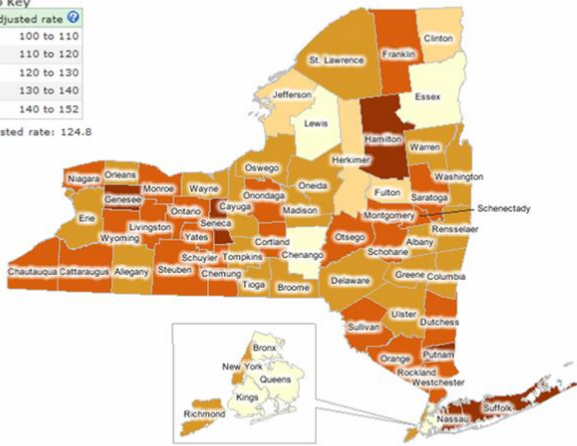


Table: Women Diagnosed with Breast Cancer in New York State

### ❖ View Data

- **Environment**
  - [Air Pollution](#)
  - [Drinking Water](#)
- **Health**
  - [Hospitalizations](#)
    - [Asthma](#)
    - [Heart Attack](#)
    - [Carbon Monoxide Poisoning](#)
  - [Birth Defects](#)
  - [Birth Outcomes](#)
  - [Cancer Incidence](#)
- **Exposure**
  - [Childhood Lead Poisoning](#)

### ❖ Current Activities

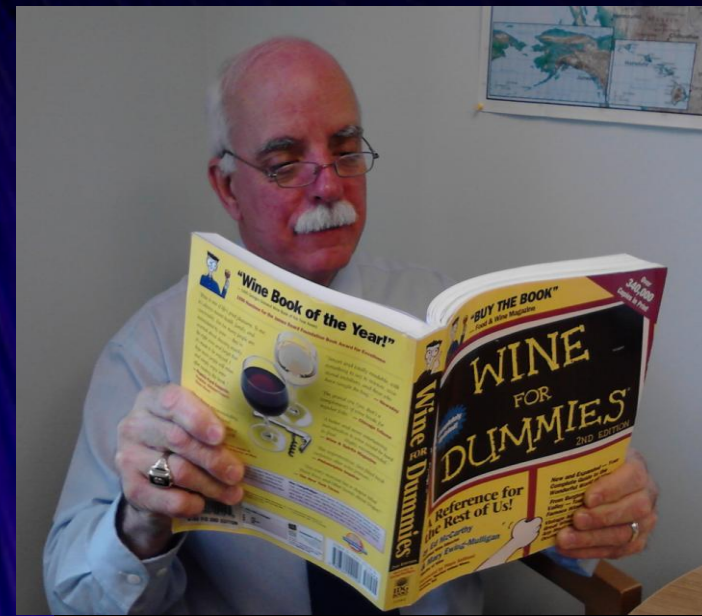
- Secure Portal
- Data Linkage Project
- Geospatial Work Group
- Health Impact Assessment

New York State EPH Tracker: [www.health.ny.gov/ephtracker](http://www.health.ny.gov/ephtracker)

CDC Grant 2006-2011 to implement a statewide EPHT Network as part of a National EPHT Network. Renewed for 2011-2014.

# NYS EPHT Network

- We recognized early in the development of the Network that users will have different levels of expertise and needs for EPHT
- The NYS EPHT system consists of three tiers
- Each tier was designed to serve different user needs with multiple levels of access and security.



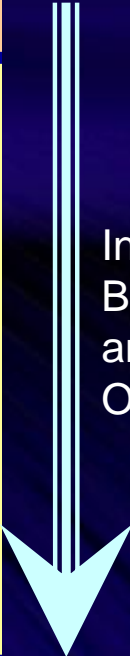
# NYS EPHT Three Tiered System: General Approach

	Features	Access	Purpose
Tier 1	<ul style="list-style-type: none"> <li>• Individual level data</li> <li>• Statistical tools</li> <li>• Mapping tools</li> </ul>	Researchers and project staff in Center for Environmental Health (CEH)	Research and Surveillance <div style="border: 1px solid red; padding: 5px; display: inline-block;"><b>CEH LAN</b></div>
Tier 2	<ul style="list-style-type: none"> <li>• Finer geographic resolution at sub-county level</li> <li>• Data query tools</li> <li>• Query based data displays including map and charts</li> </ul>	Role based access to DOH and County Health professionals Access determined by program areas/data owners	Surveillance <div style="border: 1px solid red; padding: 5px; display: inline-block;"><b>Secure Portal</b></div>
Tier 3	<ul style="list-style-type: none"> <li>• County level data and display</li> <li>• Simple data queries, maps, charts, and tables</li> <li>• Public health message</li> </ul>	Open access	Outreach <div style="border: 1px solid red; padding: 5px; display: inline-block;"><b>Public Portal</b></div>

Data and Tools



Information Background and Outreach



# NYS EPHT Tier 1

## Enables Complex Queries

Graph/Plot Environmental and Health data (Beta 1.02)

Enter Map Title: PHASE Project: EPHT-NY

Graph Period  
 Daily  
 Monthly

Graph Type  
 Line Chart  
 Vertical Bar  
 Horizontal Bar

Show DEC Monitors As:  
★

Show Grid Cell Graphs For:  
Ozone 8Hours Maximum  
Ozone 1Hour  
PM 2.5  
VarName4

Include Health Data for:  
Asthma (Under 18 years age  
Cardiovascular Disease  
Low Birth Weight  
CVD Mortality

Start Date for Graph: 05/01/2001

End Date for Graph: 10/31/2001

\*\*\*\*\* Select Additional Criteria for Health Outcome Graphs \*\*\*\*\*

Health Graphs for  
 Grid  
 County  
 ZipCode  
 Grid and County  
 Grid and ZipCode

Right Vertical Axis?  
 Yes  
 No

Show Health Graph of  
 Counts  
 Rate

Reset OK Cancel

Enter Title for Layout

Select either Daily or Monthly

Select pollutant

Select Start date

Select Geographical unit for Health Graphs

Select type of graph

Select symbol

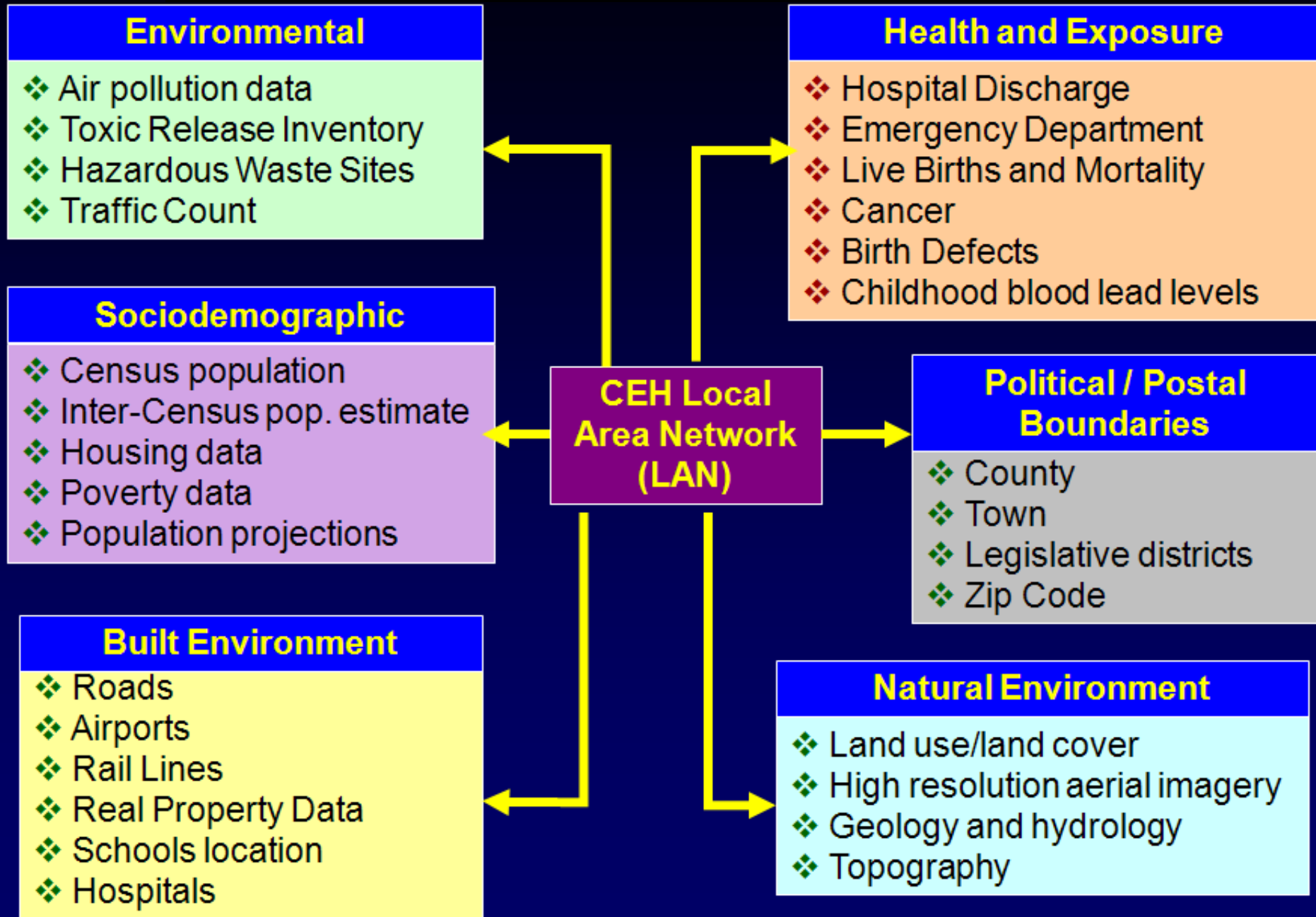
Select health outcome

Select End Date

Select yes for both, health and air data, on one graph

Select either counts or rates

# Examples of NYS EPHT Tier 1 Datasets







# NYS EPHT Public Portal

## Health Data

## Environmental Data

The screenshot shows the 'Health Data' page on the NYS EPHT Public Portal. The page title is 'Health Data' and it is part of the 'Department of Health' website. The main content area is titled 'Health Data' and 'What it Can Tell Us'. It explains that health data can tell us about rates of some diseases and health conditions. It also mentions that the data provides little information about possibly related environmental hazards or exposures. The page includes a search bar, a 'Site Contents' sidebar with links to various data categories, and a 'Data Sources' section. A red arrow points to the 'Birth Defects (Congenital Malformations)' link in the 'Data Sources' section.

The screenshot shows the 'Environmental Data' page on the NYS EPHT Public Portal. The page title is 'Environmental Data' and it is part of the 'Department of Health' website. The main content area is titled 'Environmental Data' and 'What it Can Tell Us'. It explains that environmental data can tell us something about the sources of possible exposures, such as the levels of chemicals people may breathe or people's proximity to certain chemicals or facilities that use or release chemicals. The page includes a search bar, a 'Site Contents' sidebar with links to various data categories, and a 'Data Sources' section. A red arrow points to the 'About Environmental Data' link in the 'Data Sources' section.

## Exposure Data

## Demographic Data

## Personal Choices

The screenshot shows the 'Exposure Data' page on the NYS EPHT Public Portal. The page title is 'Exposure Data' and it is part of the 'Department of Health' website. The main content area is titled 'Exposure Data' and 'What it Can Tell Us'. It explains that exposure data can tell us about the levels of measured chemicals or other agents in people (such as blood lead levels). The page includes a search bar, a 'Site Contents' sidebar with links to various data categories, and a 'Data Sources' section. A red arrow points to the 'Environmental Chemicals' link in the 'Data Sources' section.

The screenshot shows the 'Demographic Data' page on the NYS EPHT Public Portal. The page title is 'Demographic Data' and it is part of the 'Department of Health' website. The main content area is titled 'Demographic Data' and 'What it Can Tell Us'. It explains that demographic data can tell us about the population in health to explore possible trends in environmental health. The page includes a search bar, a 'Site Contents' sidebar with links to various data categories, and a 'Data Sources' section. A red arrow points to the 'Vital Statistics' link in the 'Data Sources' section.

The screenshot shows the 'Personal Choices Data' page on the NYS EPHT Public Portal. The page title is 'Personal Choices Data' and it is part of the 'Department of Health' website. The main content area is titled 'Personal Choices Data' and 'What it Can Tell Us'. It explains that personal choices data can tell us about the choices people make that affect their health. The page includes a search bar, a 'Site Contents' sidebar with links to various data categories, and a 'Data Sources' section. A red arrow points to the 'Behavioral Risk Factor Surveillance System' link in the 'Data Sources' section.

# NYS EPHT Public Portal

## Provides Background Information for Indicators

### About Birth Defects

(Also called congenital malformations or congenital anomalies)

Collecting and sharing good information about when and where birth defects happen is a first step in understanding how they might be related to the environment. Looking at patterns of birth defects rates can help health officials plan services and create ideas for research into environmental causes of birth defects. The [New York State Department of Health's Congenital Malformations Registry \(CMR\)](#) stores data on children with birth defects in New York State.

About one out of every 33 babies is born with a birth defect. Birth defects are the leading cause of infant death and babies with birth defects have a greater chance of illnesses and long-term disabilities than babies without birth defects. Lifetime costs to care for a person with a birth defect can be more than \$500,000.

- [Learn more about 45 Birth Defects](#). Definitions and information links for 45 reported birth defects.

### Risk Factors

Doctors and researchers know how certain birth defects occur, but there are a large number of birth defects that are not well understood. Very few birth defects have a definite link to environmental hazards, although possible links have not been well studied. It is likely that most birth defects happen for many reasons, not just one reason.

Known and probable risk factors for birth defects include the following:

- Smoking, alcohol and other drugs
- Poor nutrition and/or health (such as low levels of folic acid, obesity and poorly controlled diabetes)
- Medicines (prescription & over-the-counter)
- Toxic chemicals & their fumes (such as lead, paint and paint thinner, gasoline, pesticides, and second-hand smoke)
- Infectious agents (such as rubella and toxoplasmosis)
- Radiation (X-rays)

[Birth Defects Research](#)

### Prevention for Women Planning to Have Children

- Have regular medical checkups
- Eat healthy foods and maintain a healthy weight
- Make sure that medical conditions like diabetes are under control
- Take a vitamin with [folic acid](#) every day

The screenshot shows the NYS EPHT Public Portal website. The main heading is "Birth Defects (Congenital Malformations)". Below this, there is a section for "New York State" with a sub-heading "Environmental Public Health Tracker". A red arrow points to the "Track Birth Defects" link. The page also includes a "Tracking Contents" sidebar, a "New Interactive Tool" section, and a "Site Contents" sidebar. The main content area displays a "Congenital Malformations Registry Summary Report" and a "National" section with links to "Birth Defects/Congenital Anomalies - National Center for Health Statistics (NCHS) FastStats" and "Tracking Birth Defects - U.S. Centers for Disease Control and Prevention (CDC)".

# NYS EPHT Public Portal Examples

## Comparison of BD Prevalence by County

## Specific Birth Defects Within a County

NEW YORK STATE

Department of Health  
Information for a Healthy New York

You are Here: [Home Page](#) > [Environmental Public Health Tracking](#) > [Environmental Public Health Tracker](#) > [Birth Defects](#) > Children Born With Birth Defects in New York State

Environmental Public Health Tracker

### Combined Number of Children Born With Birth Defects

Reporting period: 2000-2004

#### New York State and New York City

Region	Live Births	Children With Birth Defects	Prevalence per 10,000 Live Births
New York State	1,261,935	23,008	182.3
New York City	596,353	10,630	178.2
New York State excluding New York City	665,582	12,378	186

#### Counties

County	Live Births	Children With Birth Defects	Prevalence per 10,000 Live Births
Albany	16,032	267	166.5
Allegany	2,689	41	152.5
Bronx	112,955	1,883	166.7
Broome	10,513	203	193.1
Cattaraugus	4,868	94	193.1
Cayuga	4,337	84	193.7
Chautauqua	7,397	155	209.5
Chemung	5,247	105	200.1
Chenango	2,758	69	250.2
Clinton	3,814	58	152.1

Environmental Public Health Tracker

### Children Born With Birth Defects in New York County (Manhattan)

Reporting period: 2000-2004

Children born with birth defects (out of 101,010 live births)

Birth Defect	Children	Prevalence per 10,000 Live Births	
		County	State
All Birth Defects	1,498	148.3	182.3
Anencephaly	2	0.2	0.5
Aniridia	0	0	0
Anophthalmia/Microphthalmia	5	0.5	0.6
Anotia/Microtia	3	0.3	0.6
Aortic Valve Stenosis	12	1.2	1.6
Atrial Septal Defect	338	33.5	34.9
Biliary Atresia	6	0.6	0.9
Bladder Exstrophy	2	0.2	0.2
Choanal Atresia	13	1.3	1.5
Cleft Lip with or without Cleft Palate	51	5	7
Cleft Palate without Cleft Lip	45	4.5	5.8
Cloacal Exstrophy/Persistent Cloaca	0	0	0
Coarctation of Aorta	32	3.2	4.4
Common Truncus	6	0.6	0.6
Congenital Cataract	4	0.4	0.9
Craniosynostosis	21	2.1	2.6

# NYS EPHT Public Portal Examples

## Birth Defects Prevalence Maps

### NYS Counties Equal Intervals

Prevalence of Select Birth Defects per 10,000 Live Births, 2000-2004

Color	Prevalence
	75 to 110
	110 to 145
	145 to 180
	180 to 215
	215 to 250



Table: Combined Number of Children Born With Birth Defects (with prevalence rates)

Map shading: Equal interval

### NYS Counties - Percent Difference From Mean

Prevalence of Select Birth Defects per 10,000 Live Births, 2000-2004

Color	Prevalence
	Below state rate by 30% or more
	Below state rate by 20%-30%
	Within 20% of state rate
	Above state rate by 20%-30%
	Above state rate by 30% or more

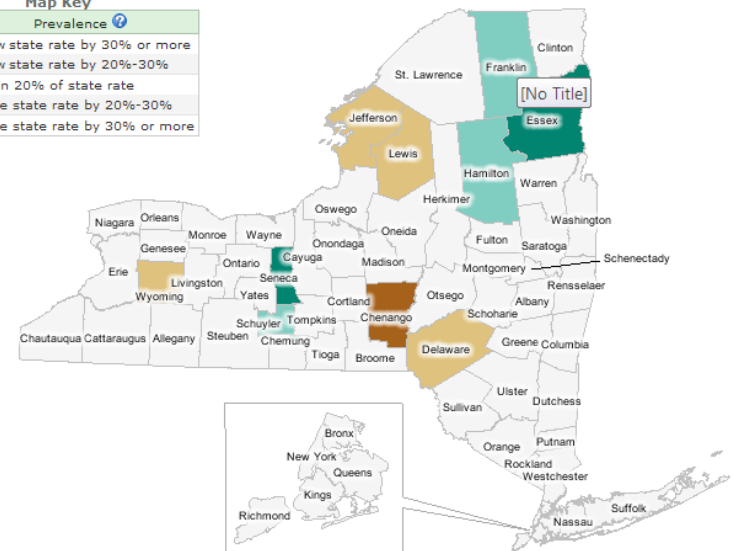


Table: Combined Number of Children Born With Birth Defects (with prevalence rates)

Map shading: Percent difference from mean

# NYS EPHT Public Portal

## Allows Export of County Level Data in comma-separated values (CSV) Format

NEW YORK STATE  
Department of Health  
Information for a Healthy New York

You are Here: [Home Page](#) > [Environmental Public Health Tracking](#) > [Environmental Public Health Tracker](#) > [Birth Defects](#) > [Export Birth Defect Data](#)

Environmental Public Health Tracker

### Export Birth Defect Data

Birth defects data are available for download in comma-separated values (CSV) format.

**Download**

- [Birth defects data \(CSV, 10.35K\)](#)

**Data include**

- Total live births: The number of children born by County or region in five year period
- Total number of children with birth defects: The combined number of children born with at least one of 45 birth defects by County and region in five year period
- Total prevalence per 10,000 live births: Calculated rate (Total number of children with birth defects divided by Total live births multiplied by 10,000)
- Anencephaly-Upper limb deficiencies: Individual counts of children with each of the 45 birth defects by County or region in five year period.

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[About Data](#)  
[Export Data](#)  
[Other Birth Defect Data](#)  
[Contact](#)

nys\_birth\_defects\_2000-2004.csv [Read-Only]

	A	B	C	D	E	F	G	H	I	J	K	
1	County Name	Total Live	Total Num	Total Prev.	Anenceph	Aniridia	Anophthal	Anotia/Mii	Aortic Val.	Atrial Sept	Biliary Atre	Bla
2	ALBANY	16,032	267	166.5	1	1	0	1	4	43	3	
3	ALLEGANY	2,689	41	152.5	1	0	0	0	0	0	0	
4	BRONX	112,955	1,883	166.7	1	1	3	2	10	358	7	
5	BROOME	10,513	203	193.1	0	0	0	1	6	46	1	
6	CATTARAUGUS	4,868	94	193.1	0	0	0	1	1	11	0	
7	CAYUGA	4,337	84	193.7	1	0	0	0	1	4	1	
8	CHAUTAUQUA	7,397	155	209.5	0	0	1	1	2	49	1	
9	CHEMUNG	5,247	105	200.1	0	0	0	0	1	6	2	
10	CHENANGO	2,758	69	250.2	1	0	0	0	1	7	1	
11	CLINTON	3,814	58	152.1	1	0	0	0	0	14	0	
12	COLUMBIA	3,028	49	161.8	0	0	0	1	0	2	1	
13	CORTLAND	2,710	53	195.6	0	0	0	0	1	3	0	
14	DELAWARE	2,166	50	230.8	0	0	1	0	0	9	0	
15	DUTCHESS	16,015	266	166.1	2	0	0	3	6	30	1	
16	ERIE	53,418	1,051	196.8	2	0	4	5	15	152	4	
17	ESSEX	1,705	13	76.2	0	0	0	0	0	3	0	
18	FRANKLIN	2,347	33	140.6	0	0	0	0	0	2	0	
19	FULTON	2,954	58	196.3	0	0	0	0	0	7	0	
20	GENESEE	3,281	64	195.1	0	0	0	1	0	9	0	
21	GREENE	2,231	45	201.7	0	0	0	0	0	6	0	
22	HAMILTON	222	3	135.1	0	0	0	0	0	0	0	



# Tier 2 – Health Commerce System NYS EPHT Secure Portal

## Local and State Public Health Agencies

Welcome to NYSDOH HCS

David A. Paterson, Governor | Richard F. Daines, M.D., Commissioner

Please login to begin using the Health Commerce System



User Id:

Password:

If you have forgotten your password, please call the  
Commerce Accounts Management Unit (CAMU) at  
**1-866-529-1890 (M-F 8-5pm)**



### Site Policies/Terms of Use

Violation of the security and use agreement (e.g. sharing your account userid and password with someone else) will result in the temporary suspension of your account privileges until required remedial action is taken by executives at your facility.

**Repeat offenses may result in the permanent removal of the account.**

Contacting the Commerce Accounts Management Unit with someone else's account information will result in the account being disabled due to a security breach.

### Important Site Notices

If you are having problems with the website, please email [hinweb@health.state.ny.us](mailto:hinweb@health.state.ny.us)

**The Office of Cyber Security necessitates that passwords for secured sites meet minimum requirements. In order to comply with these requirements, HCS password rules will be modified Q2 2010. More information will be sent at a later date.**

[HCS Home](#) > **Environmental Public Health Tracking Secure Portal**



## NEW YORK STATE DEPARTMENT OF HEALTH HEALTH COMMERCE SYSTEM

Date: 2/22/2011  
Time: 2:50:29 PM

### Request for Access to the Environmental Public Health Tracking Secure Portal

Although you have a valid HCS user account, access to this area must be approved by the New York State Department of Health.

Please complete the form and click on the **SEND** button below.

*Note: All fields are required.*

After clicking **SEND** button below, you will receive a response by e-mail within one week.

Name: Phillip K Cross  
E-mail Address: pkc02@health.state.ny.us  
Organization: NYSDOH CEH  
Phone Number: 518-402-7950  
Supervisor/HPN Coordinator:   
Supervisor/HPN Coordinator's Phone:   
Data Requested: Birth Defects

Please enter the reason access is being requested:

Press  to submit your request or  to clear form.

## EPHT Secure Portal Request for Access

## “Role-Based Access”



# NYS EPHT Secure Portal Landing Page

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## Environmental Public Health Tracking Secure Portal

**Environmental Public Health Tracking**

Ver: 1.0 Revised: April 2011

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### Environmental Public Health Tracking Secure Portal

The New York State Environmental Public Health Tracking (EPHT) Secure Portal is intended for use by scientists, program staff and policy makers of the New York State (NYS) Department of Health and NYS county and local health departments. It makes data available at a finer resolution than what are available on the public portal (such as ZIP Code level disease counts or county rates stratified by sex or race). It will also provide mapping and discovery capabilities to track trends, promote public health planning and control, and help efforts to protect New York State's communities.

Some datasets are available to anyone with access to the Environmental Public Health Tracking Secure Portal, while others require the user to request access from the data owners. All users are expected to honor state and federal statutes regarding confidentiality and release of health information.

#### Please select a dataset to begin your query.

##### Environment

- [Ambient Air Pollution](#)
- [Drinking Water](#) 
- [Environmental Facilities and Cancer Mapping](#) 
- [National Toxic Substance Incident Program \(NTSIP\)](#)

##### Health

- [Birth Defects](#)
- [Birth Outcomes](#)
- [Hospitalizations](#)

**Access beyond this page may  
be restricted to approval by  
program area**

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# NYS DOH Secure Portal Confidentiality Agreement

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## Environmental Public Health Tracking Secure Portal

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### Metadata Search

Enter any term or text string to find metadata files that contain the string:

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# NYS EPHT Secure Portal

## Birth Defects Metadata

### New York State Birth Defects (Congenital malformations)

FGDC Metadata

[Show Definitions](#)

[Description](#) | [Spatial](#) | [Data Structure](#) | [Data Quality](#) | [Data Source](#) | [Data Distribution](#) | [Metadata](#)

#### + Resource Description

##### Citation

**Title:** New York State Birth Defects (Congenital malformations)

**Originators:** Congenital Malformations Registry

**Publication date:** 20110214

##### Description

**Abstract:** This dataset contains counts for 45 congenital malformations among New York State live births. These data are stratified by birth year, maternal age group, maternal ethnicity/race and infant sex. Birth defects are also grouped by 11 organ systems.

**Purpose:** To provide data for the National Environmental Public Health Tracking Network consistent with the guidance for creating birth defects rates that follow Nationally Consistent Data and Measures (NCDMs).

**Supplemental information:** Data has been de-identified to protect patient confidentiality. Birth defects are selected based on a specific list of ICD-9-CM codes and narratives. Further information about the Congenital Malformations Registry can be obtained at:

[http://www.health.state.ny.us/diseases/congenital\\_malformations/cmhome.htm](http://www.health.state.ny.us/diseases/congenital_malformations/cmhome.htm)

##### Point Of Contact

**Person:** Congenital Malformations Registry

**Organization:** Bureau of Environmental and Occupational Epidemiology, NYSDOH

**Phone:** 518-402-7990

**Fax:** 518-402-7969

**Email:** [cmr@health.state.ny.us](mailto:cmr@health.state.ny.us)

**Hours of service:** 8:30 AM - 4:30 PM

**Address type:** Mailing and Physical

**Address:** 547 River Street; Room 200

**City:** Troy

**State or Province:** NY

**Postal code:** 12180

**Country:** United States Of America

# NYS EPHT Secure Portal

## Birth Defects Query

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### Environmental Public Health Tracking Secure Portal

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Environmental Public Health Tracking

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[Content Area Selection](#) > **Birth Defects Data Query: Part 1**

#### Birth Defects Data Query: Part 1

Step 1: Select ONE birth defects group:

Individual Birth Defects

Individual Birth Defects

Nationally Consistent EPHT Reportable Birth Defects

Organ System

Step 2: Select ONE or MORE Birth Defects/Organ System:

All 45 Birth Defects

Anencephaly

Spina bifida (w/o Anencephaly)

Hypoplastic left heart syndrome

Step 3: Select geographic scale:

County

Zip Code

County

Step 4: Select ONE group variable:

Infant's Sex

Infant's Sex

Mother's Age

Mother's Race and Ethnicity

None

Step 5: Select year(s) of birth:

\*\*All Years\*\*

2000

2001

2002

**Note: Zip Code Level Queries will not allow individual year selection**

Next

[Content Area Selection](#) > [Data Query](#) > **Birth Defects Data Query Summary**

Query Summary:	
Health Data	Individual Birth Defects
Birth Defects	All 45 BirthDefects
Geographic Scale	County
Group Variable	Infant's Sex
Year(s) of Birth	2000-2005
County or Counties of patient residence	All New York State
Display Output	Map (All group variables)

Submit

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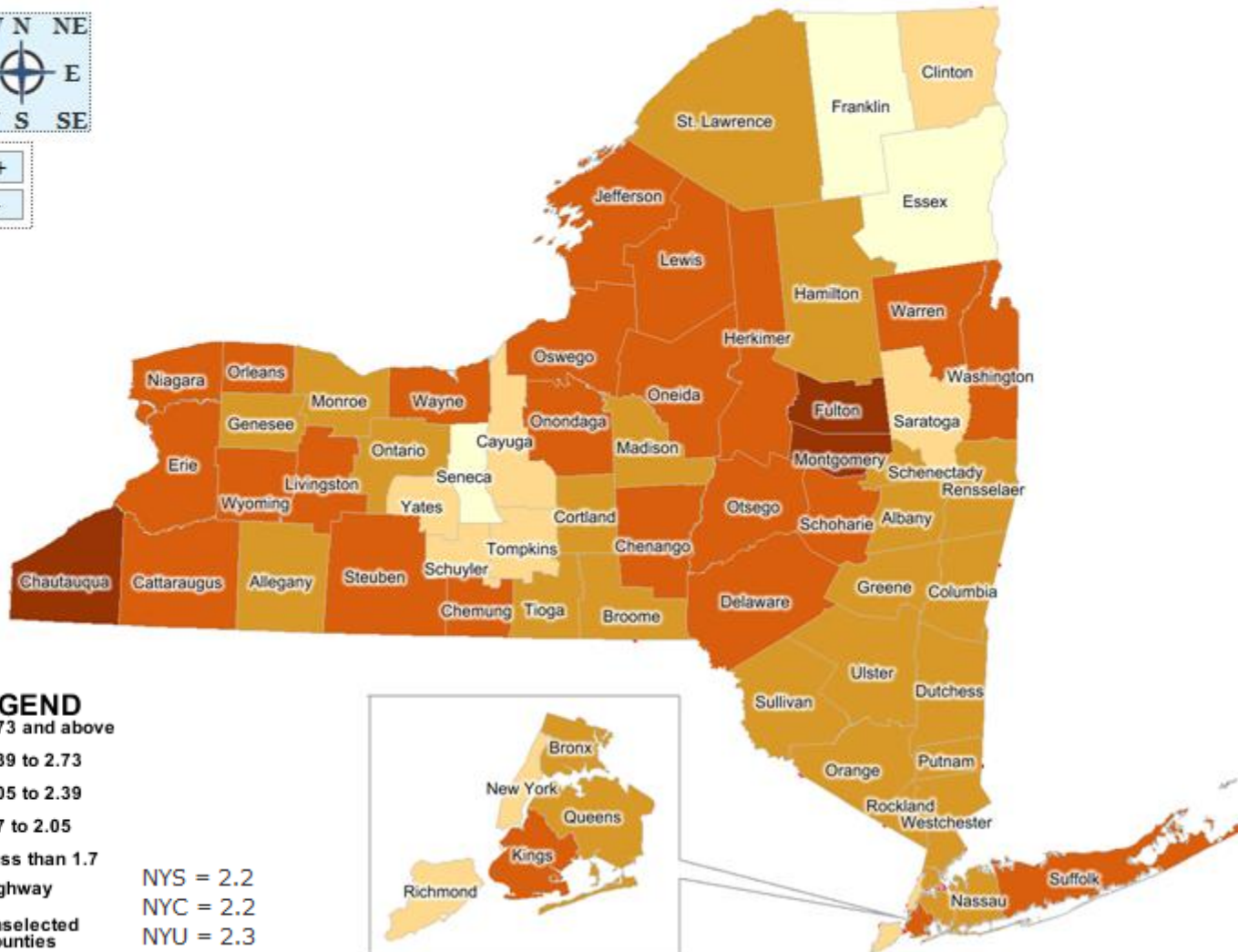
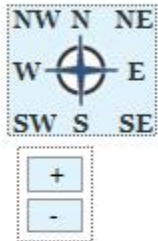
Content Area Selection > Data Query > Birth Defects Data Query County Thematic Map

Start Over

Printable map

View Charts and Tables

Average Annual Birth Defect Rate per 10,000 Population:  
SEX Group: All group  
Years: 2000-2007



Content Area Selection > [Chart and Tables](#)

## Prevalence of Selected Birth Defects in New York

	Year	Birth Defect	Female		Male		Sex Unknown		Total	
			No. of Birth Defects	Rate per 1000 Births	No. of Birth Defects	Rate per 1000 Births	No. of Birth Defects	Rate per 1000 Births	No. of Birth Defects	Rate per 1000 Births
New York State	2000	Anencephaly	6	0.05	10	0.08	0	0.00	16	0.06
		Anomalous Pulmonary Venous Return	6	0.05	6	0.05	0	0.00	12	0.05
		Anophthalmia/Microphthalmia	8	0.06	11	0.08	0	0.00	19	0.07
		Anotia/Microtia	4	0.03	11	0.08	0	0.00	15	0.06
		Aortic Valve Stenosis	19	0.15	27	0.20	0	0.00	46	0.18
		Atrial Septal Defect	355	2.82	399	3.01	0	0.00	754	2.92
		Biliary Atresia	10	0.08	14	0.11	0	0.00	24	0.09
		Bladder Exstrophy	3	0.02	3	0.02	0	0.00	6	0.02
		Choanal Atresia	16	0.13	18	0.14	0	0.00	34	0.13
		Cleft lip with or without cleft palate	61	0.48	125	0.94	0	0.00	186	0.72
		Cleft palate w\o Cleft Lip	77	0.61	68	0.51	0	0.00	145	0.56

# NYS DOH EPHT Secure Portal

## Birth Defects County Level Query

[Content Area Selection](#) > [Data Query: Part 1](#) > **Birth Defects Data Query: Part 2**

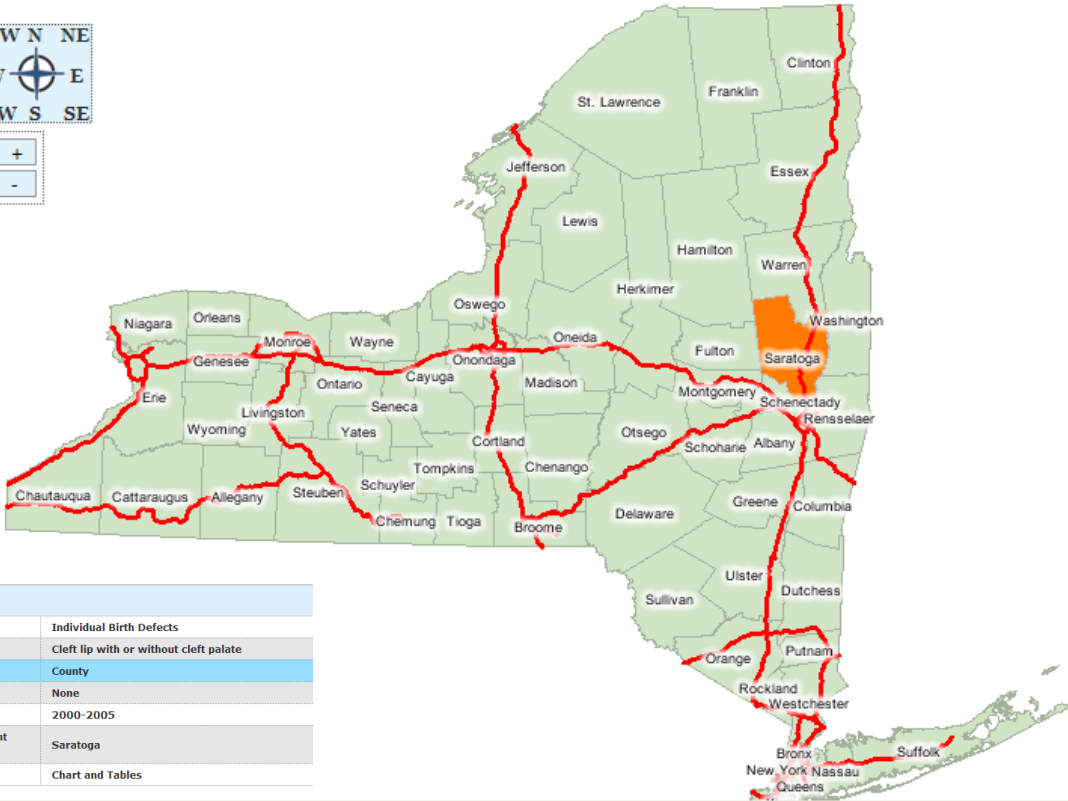
### Birth Defects Data Query: Part 2

**Step 6: Select county or counties:** Please note that data are not available in all areas, or for every year. Because of this, your final query may not be processed for some or all of the areas you selected.

You may select more than one county by holding down the Ctrl key while clicking on subsequent counties.

- All New York State
- New York State Excluding New York City
- New York City (5 boroughs)
- Albany

You may select more than one county by clicking on individual counties



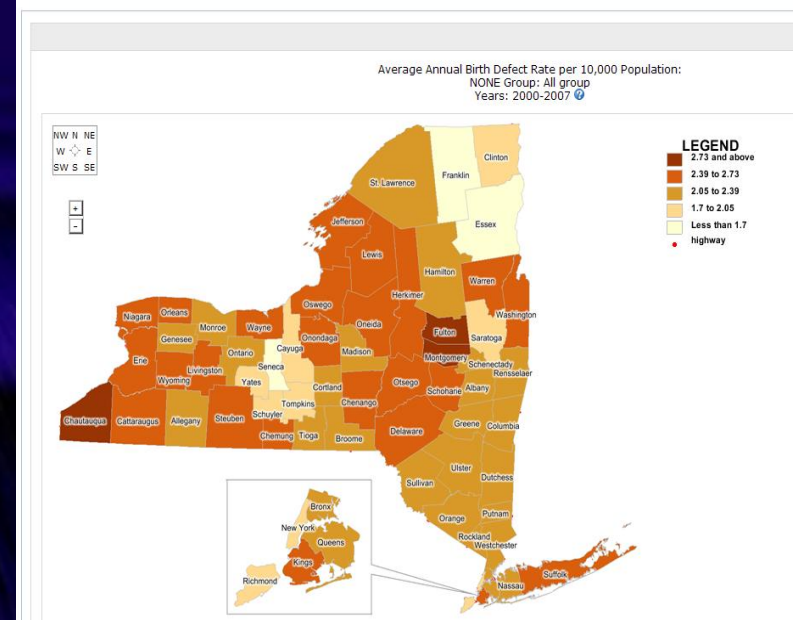
Query Summary:	
Health Data	Individual Birth Defects
Birth Defects	Cleft lip with or without cleft palate
Geographic Scale	County
Group Variable	None
Year(s) of Birth	2000-2005
County or Counties of patient residence	Saratoga
Display Output	Chart and Tables

# EPHT Secure Portal Displays

## Birth Defects Query

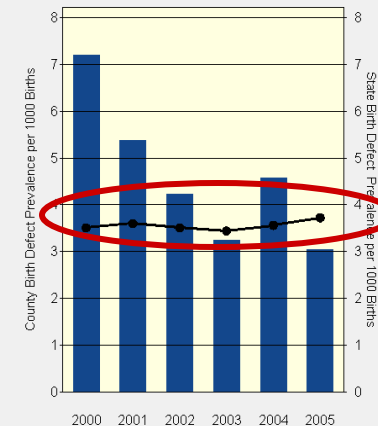
Prevalence of Selected Birth Defects in New York

	Year	Birth Defect	Female		Male		Sex Unknown		Total	
			No. of Birth Defects	Rate per 1000 Births	No. of Birth Defects	Rate per 1000 Births	No. of Birth Defects	Rate per 1000 Births	No. of Birth Defects	Rate per 1000 Births
New York State	2000	Anencephaly	6	0.05	10	0.08	0	0.00	16	0.06
		Anomalous Pulmonary Venous Return	6	0.05	6	0.05	0	0.00	12	0.05
		Anophthalmia/Microphthalmia	8	0.06	11	0.08	0	0.00	19	0.07
		Anotia/Microtia	4	0.03	11	0.08	0	0.00	15	0.06
		Aortic Valve Stenosis	19	0.15	27	0.20	0	0.00	46	0.18
		Atrial Septal Defect	355	2.82	399	3.01	0	0.00	754	2.92
		Biliary Atresia	10	0.08	14	0.11	0	0.00	24	0.09
		Bladder Exstrophy	3	0.02	3	0.02	0	0.00	6	0.02
		Choanal Atresia	16	0.13	18	0.14	0	0.00	34	0.13
		Cleft lip with or without cleft palate	61	0.48	125	0.94	0	0.00	186	0.72
		Cleft palate w/o Cleft Lip	77	0.61	68	0.51	0	0.00	145	0.56



Tables, charts & maps  
can be displayed

Birth Defects Prevalence per 1000 Live Births: Saratoga County  
Hypospadias: Birth Years 2000-2006



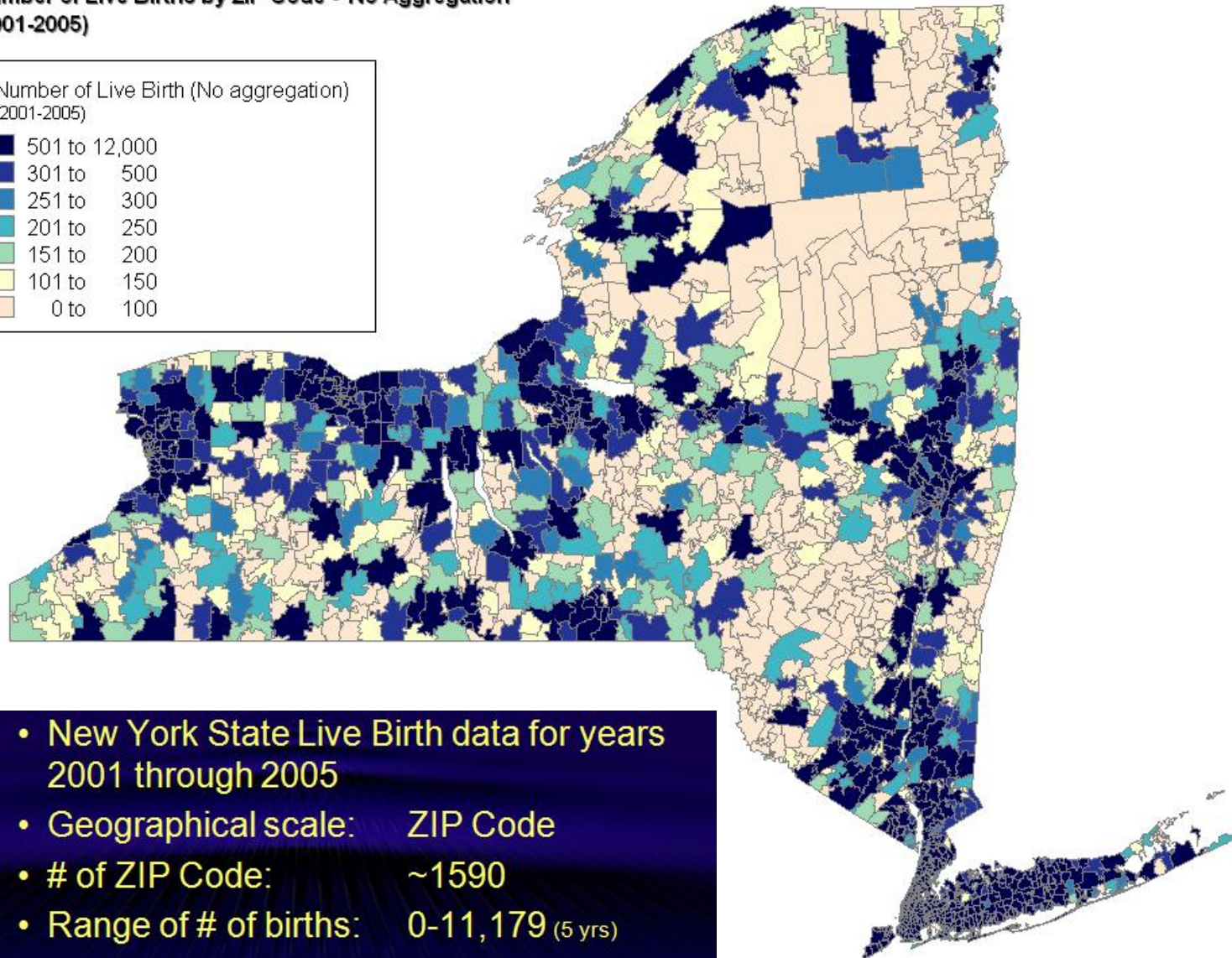
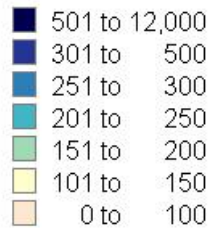
Blue bar represents county prevalence and black line represents state prevalence for selected birth defect



# Displaying Birth Defects Prevalence By Zip Codes

Number of Live Births by ZIP Code - No Aggregation  
(2001-2005)

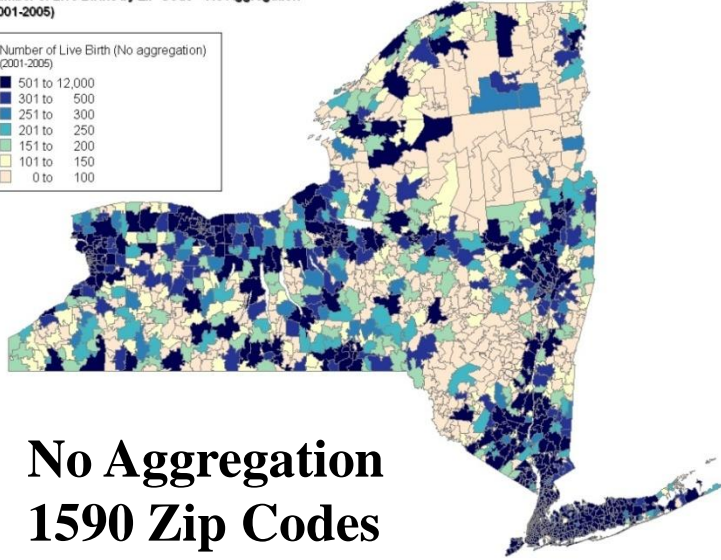
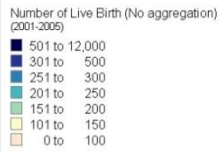
Number of Live Birth (No aggregation)  
(2001-2005)



- New York State Live Birth data for years 2001 through 2005
- Geographical scale: ZIP Code
- # of ZIP Code: ~1590
- Range of # of births: 0-11,179 (5 yrs)
- Average # of births: 783 / ZIP Code(5yrs)

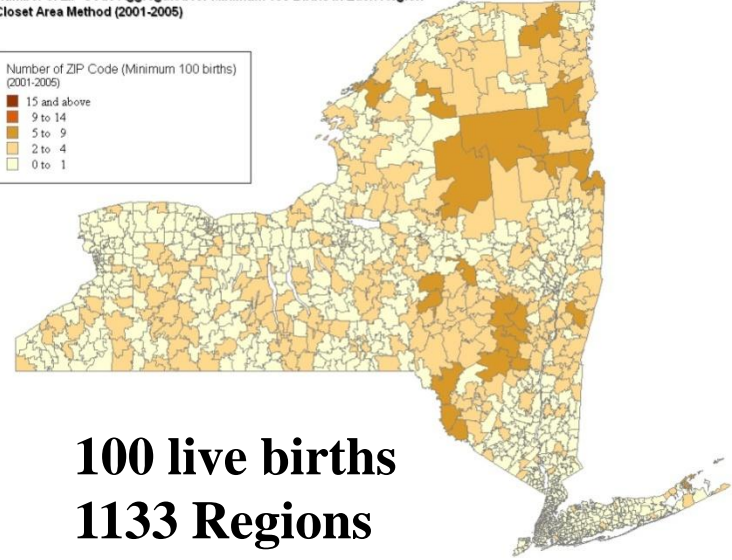
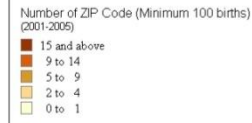
# Aggregate Zip Codes to Protect Confidentiality

Number of Live Births by ZIP Code - No Aggregation (2001-2005)



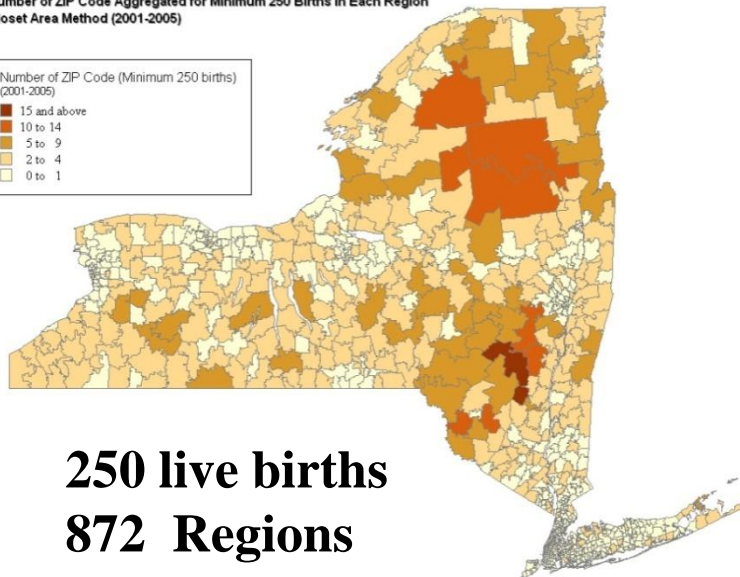
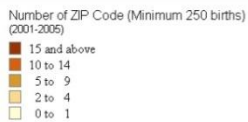
**No Aggregation**  
**1590 Zip Codes**

Number of ZIP Code Aggregated for Minimum 100 Births in Each Region (2001-2005)



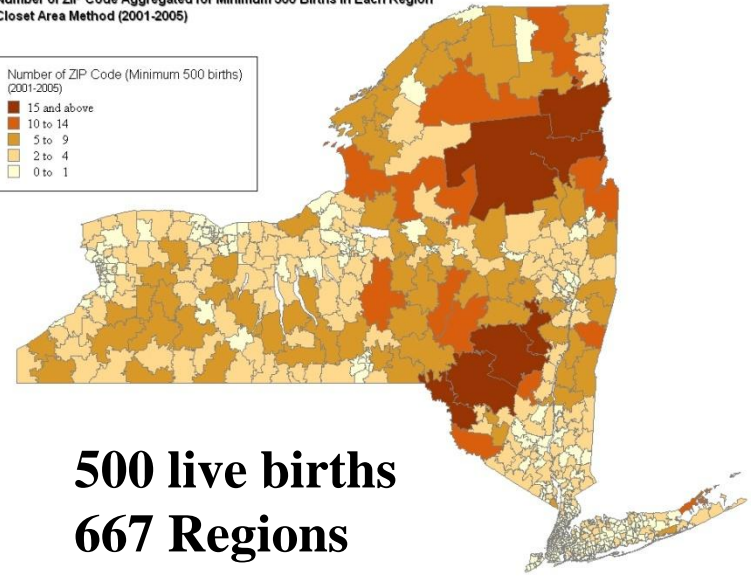
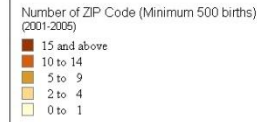
**100 live births**  
**1133 Regions**

Number of ZIP Code Aggregated for Minimum 250 Births in Each Region (2001-2005)



**250 live births**  
**872 Regions**

Number of ZIP Code Aggregated for Minimum 500 Births in Each Region (2001-2005)



**500 live births**  
**667 Regions**

# Aggregation Tool

## Original Block Data †

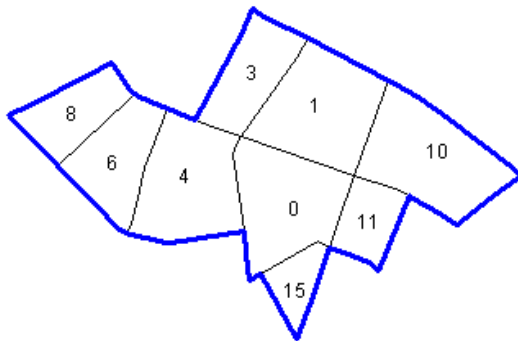
Block	Cases
122300/2004	10
122300/2005	11
014500/3005	3
014500/3007	4
014500/3008	0
014500/3009	1
014500/3010	15
103202/2001	8
103202/2002	6

SAS Tool



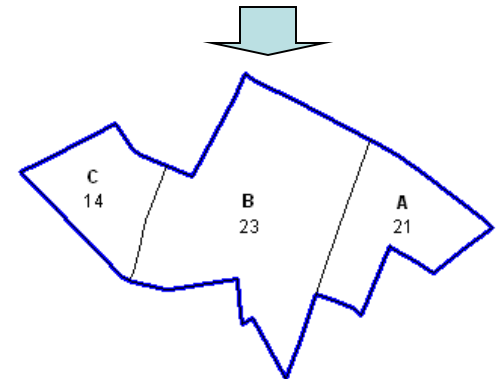
## Regions

Block	Cases	Region
122300/2004	10	A
122300/2005	11	A
014500/3005	3	B
014500/3007	4	B
014500/3008	0	B
014500/3009	1	B
014500/3010	15	B
103202/2001	8	C
103202/2002	6	C



Cases      Region

21	A
23	B
14	C



† Simulated data

# NYS DOH EPHT Secure Portal Example Zip Code Level Query

Environmental Public Health Tracking Secure Portal - New York State Department of Health - Microsoft Internet Explorer

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NEW YORK STATE

Department of Health  
Information for a Healthy New York

skip to main content

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## Birth Defects

**Step 4: Select ZIP Code(s) of patient residence:**

If you select a county in this list, you will be provided with data for all ZIP Codes that exist in the county, in whole or in part, including "point" ZIP Codes that cannot be mapped (such as institutions like colleges and prisons or rural Post Offices where patrons pick up their own mail).  
Albany

If you select individual ZIP Codes by clicking on the map below, you will be provided with data only for those ZIP Codes.

Done Local intranet

# Example Output – Zip Code Level Query

EPHT SECURE PORTAL - Microsoft Internet Explorer

NEW YORK STATE

Department of Health  
Information for a Healthy New York

New York State Environmental Public Health Tracking (EPHT) Secure Portal

Birth Defects

Prevalence of Selected Birth Defects in New York

Year	Birth Defect	Female		Male		Sex Unknown		Total	
		No. of Birth Defects	Rate per 1000 births	No. of Birth Defects	Rate per 1000 births	No. of Birth Defects	Rate per 1000 births	No. of Birth Defects	Rate per 1000 births
2000	Genitourinary(BPA=752.x-753.x)	412	3.27	2,691	20.30	0	0.00	3,103	12.01
	Musculoskeletal(BPA=754.x-756.x)	1,202	9.55	1,234	9.31	0	0.00	2,436	9.43
2001	Genitourinary(BPA=752.x-753.x)	400	3.23	2,757	21.24	3	750.00	3,160	12.46
	Musculoskeletal(BPA=754.x-756.x)	1,195	9.66	1,232	9.49	1	250.00	2,428	9.58
2002	Genitourinary(BPA=752.x-753.x)	455	3.72	2,812	21.89	0	0.00	3,267	13.03
	Musculoskeletal(BPA=754.x-756.x)	1,247	10.19	1,236	9.62	0	0.00	2,483	9.90
2003	Genitourinary(BPA=752.x-753.x)	493	4.00	2,745	21.16	0	0.00	3,238	12.80
	Musculoskeletal(BPA=754.x-756.x)	1,256	10.19	1,308	10.08	0	0.00	2,564	10.13
2004	Genitourinary(BPA=752.x-753.x)	482	4.01	2,899	23.01	0	0.00	3,381	13.73
	Musculoskeletal(BPA=754.x-756.x)	1,192	9.92	1,299	10.31	0	0.00	2,491	10.12
2005	Genitourinary(BPA=752.x-753.x)	506	4.28	2,933	23.58	1	1000.00	3,440	14.18
	Musculoskeletal(BPA=754.x-756.x)	1,304	11.03	1,380	11.10	0	0.00	2,684	11.06

Aggregated Region	Year	Birth Defect	Female		Male		Sex Unknown		Total	
			No. of birth Defects	Live Births	No. of birth Defects	Live Births	No. of birth Defects	Live Births	No. of birth Defects	Live Births
12009nm	All	Genitourinary(BPA=752.x-753.x)								
		Musculoskeletal(BPA=754.x-756.x)								
12203nm	All	Genitourinary(BPA=752.x-753.x)								
		Musculoskeletal(BPA=754.x-756.x)								

Notes:  
 You query selected 5 ZIP Code ( 12009, 12085, 12107, 12203, 12246 ), in **12009nm** zip code, from birth defect data.  
 \* This ZIP Code crosses county boundaries. The values provided are for the entire ZIP Code, not just the portion in this county.  
 \*\* Some valid ZIP Codes are enclosed within other ZIP Codes (such as buildings, institutions, or rural Post Offices).  
 <> There are 0 or less birth defects in the sub-group for indicated Zip Code.  
 Live births for enclosed ZIP Codes is counted with live births in the enclosing ZIP Code.  
 Birth defects data source: Congenital Malformation Registry (CMR), NYSDOH.  
 Zip Code population data source: The Nielson Company, Claritas Solutions , Ithaca NY.

Download as Spreadsheet

- List of ZIP Code included in query results.
- List included user selected ZIP Code along with additional ZIP Code in selected region

# **NYS EPHT Secure Portal**

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