



How to Use Communicable Disease Branch Reports and Information

- Nicole Dzialowy, MSc
- Public Health Epidemiologist
- North Carolina Department of Health and Human Services

How to Use Communicable Disease Branch Reports and Information

- Wake AHEC requires all speakers to disclose any relevant financial conflicts of interest.
- Nicole Dzialowy has no relevant financial conflicts of interest to disclose.



Objectives

- Data in Public Health
 - Importance
 - Limitations
- Communicable Disease Branch Facts & Figures Reports
 - Demonstrate frequently used reports and how they can be used
 - Where to find reports online



Background: Data in Public Health

- Importance

- What diseases?
- Where they are occurring?
- How can we prevent spread?

- Limitations

- Population size
 - State vs Region vs County
- Disease frequency
 - Pertussis vs Measles
- Data sources
 - Delay in reporting
 - Chlamydia vs Salmonellosis

Communicable Disease Facts & Figures

The screenshot shows a web browser at the URL epi.publichealth.nc.gov/cd/figures.html. The page header includes the DHHS logo and navigation links: "DHHS Home | A-Z Site Map | Divisions | About Us | Contacts | En Español". A search bar is present with the text "Search Term(s):" and a "Search" button. The main navigation menu includes: "INDIVIDUALS & FAMILIES", "LOCAL HEALTH DEPTS", "HEALTHCARE PROVIDERS", "SCHOOLS, BUSINESSES & COMMUNITY GROUPS", and "Facts & Figures". The "Facts & Figures" section is active, showing a breadcrumb trail: "Epidemiology > Communicable Disease > Facts & Figures".

Facts & Figures

N.C. Communicable Disease Reports

All individually identifying information reported to the Division of Public Health is confidential and protected by law. Surveillance information is shared routinely and voluntarily with the CDC and public health partners and practitioners throughout the state in a manner compliant with HIPAA (Health Insurance Portability and Accountability Act). North Carolina is committed to the [meaningful use of electronic disease surveillance data](#), including contributing to the CDC's [Morbidity and Mortality Weekly Report \(MMWR\)](#) and the North Carolina Epidemiology Section's [EpiNotes](#) quarterly newsletter.

The legal rules for the release of communicable disease records for bona fide research purposes are covered by [10A NCAC 41A .0104](#). For information on available health statistics or to inquire about additional reports and data, [contact us](#).

- [AIDS/HIV and STDs](#)
- [Communicable Diseases](#)
- [Healthcare-Associated Infections](#)
- [Influenza](#)
- [Outbreak Reports of Historical Significance](#)
- [Rabies \(in Animals\)](#)
- [Spay/Neuter Program for Companion Animals](#)
- [Tuberculosis](#)
- [Vaccine-Preventable Diseases](#)

Communicable Diseases

These reports include most diseases reportable by law in North Carolina. A few diseases with low incidence are not listed in the current version of the reports but will be included in revised reports by 9/30/2013. See North Carolina administrative code [10A NCAC 41A .0101](#) for the current list of reportable diseases.

The left sidebar contains a navigation menu with the following items: "Communicable Disease HOME", "A-Z Diseases & Topics", "Facts & Figures" (expanded), "AIDS/HIV/STDs", "Communicable Diseases", "Healthcare-Associated Infections", "Influenza", "Outbreak Reports - Historical", "Rabies (in Animals)", "Spay/Neuter - Companion Animals", "Tuberculosis", "Vaccine-Preventable Diseases", "Programs & Services", "Surveillance & Reporting", "Disease Laws & Rules", "About Us", "Contact Us", "Quick Links", "EpiNotes", "Meaningful Use of Electronic Data", "Related Programs", and "State Center for Health Statistics".

<http://epi.publichealth.nc.gov/cd/figures.html>

HIV/STI Reports

The screenshot shows a web browser window with the URL epi.publichealth.nc.gov/cd/stds/figures.html. The page header includes the DHHS logo and navigation links for 'Individuals & Families', 'Local Health Depts', 'Healthcare Providers', 'Schools, Businesses & Community Groups', and 'Facts & Figures'. The main content area is titled 'Epidemiology' and 'N.C. HIV/STD Reports'. It features a sidebar with a navigation menu and a main text area with a list of quarterly reports.

Communicable Disease HOME

▾ A-Z Diseases & Topics

STDs/STIs

Facts & Figures

Programs & Services

Surveillance & Reporting

Disease Laws & Rules

About Us

Contact Us

Quick Links

AIDS

HIV

Disease Surveillance & Reporting

Meaningful Use of Electronic Data

Related Programs

Influenza Surveillance in N.C.

State Center for Health Statistics

DPH > Epidemiology > Communicable Disease > Facts & Figures > HIV/STD

Facts & Figures

N.C. HIV/STD Reports

The Surveillance Unit of the Communicable Disease Branch collects, qualifies and analyzes reportable disease surveillance data to determine the health status and trends of the people of North Carolina. All individually identifying information reported to the Division of Public Health is confidential and protected by law. Surveillance information is shared routinely and voluntarily with the CDC and public health partners and practitioners throughout the state in a manner compliant with HIPAA (Health Insurance Portability and Accountability Act).

- [Quarterly Reports](#)
- [Annual Reports](#)
- [State Epidemiological Profile](#)
- [Special Reports](#)
- [Archival Data](#)

Quarterly Reports

The quarterly *North Carolina HIV/STD Surveillance Report* contains the most recent case statistics about syphilis, gonorrhea, chlamydia, HIV and AIDS for each quarter in the current year. It contains statewide summaries of reports with breakdowns by sex, age group and race/ethnicity. It also contains summaries of reports for each county.

- [2014 - 4th Quarter](#) (PDF)
- [2014 - 3rd Quarter](#) (PDF)
- [2014 - 2nd Quarter](#) (PDF)
- [2014 - 1st Quarter](#) (PDF)
- [2013 - 4th Quarter](#) (PDF)
- [2012 - 2nd Quarter](#) (PDF)
- [2012 - 1st Quarter](#) (PDF)
- [2011 - 4th Quarter](#) (PDF)
- [2011 - 3rd Quarter](#) (PDF)
- [2011 - 2nd Quarter](#) (PDF)
- [2011 - 1st Quarter](#) (PDF)

<http://epi.publichealth.nc.gov/cd/stds/figures.html>

Healthcare-Associated Infections (HAIs) Facts & Figures

The screenshot shows a web browser window with the URL epi.publichealth.nc.gov/cd/hai/figures.html. The page is titled "Healthcare-Associated Infections (HAIs) Facts & Figures" and is part of the "Epidemiology" section of the North Carolina Department of Health and Human Services website. The page content includes:

- Navigation:** DHHS Home | A-Z Site Map | Divisions | About Us | Contacts | En Español
- Search:** Search Term(s): [] Search
- Logo:** DHHS NC Department of Health and Human Services
- Menu:** INDIVIDUALS & FAMILIES, LOCAL HEALTH DEPTS, HEALTHCARE PROVIDERS, SCHOOLS, BUSINESSES & COMMUNITY GROUPS, Facts & Figures
- Breadcrumbs:** DHHS > DPH > Epi > Communicable Disease > A-Z > HAIs > Facts & Figures
- Section Header:** Healthcare-Associated Infections (HAIs) Facts & Figures
- Text:** The CDC estimates that 5 percent of all hospital admissions result in infections that patients acquire during their stay while receiving treatment for other conditions, culminating in 1.7 million infections and 99,000 deaths each year as well as \$28-\$33 billion in excess costs. A recent article by Anderson and colleagues estimated that HAIs in North Carolina cost \$124-\$348 million each year in direct expenditures.
- Text:** North Carolina's current surveillance and prevention efforts focus on **central line-associated bloodstream infections (CLABSIs)**, **catheter-associated urinary tract infections (CAUTIs)**, abdominal hysterectomy and colon **surgical site infections (SSIs)**, laboratory-identified **Methicillin-resistant Staphylococcus aureus (MRSA)** bacteremia, and laboratory-identified **Clostridium difficile (C. diff)**. The first hospital-specific estimates of select HAI infections in short-term acute care hospitals were published in January 2013.
- Text:** HAIs are reported to DPH via the U.S. Centers for Disease Control & Prevention (CDC) **National Healthcare Safety Network (NHSN)** in accordance with the U.S. Centers for Medicare & Medicaid Services (CMS) inpatient prospective payment system rules. The current CMS-IPPS rules are available on the CMS-IPPS website at www.cms.gov/Center/Provider-Type/Hospital-Center.html (Scroll down to the "Payment" section under "Important Links").
- Section Header:** Reports
- Text:** The **N.C. HAI Prevention Program** issues year-to-date statistical updates on a quarterly basis.
- List-Group:**
 - NEW! HAI Quarterly Report, January through September 2014** - Issued January 2015. This report provides hospital-specific data from North Carolina short-term acute care hospitals, long-term acute care hospitals, specialty hospitals and inpatient rehabilitation facilities.
 - [Healthcare Consumer Version](#) (PDF, 15MB)
 - [Healthcare Provider Version](#) (PDF, 15MB)
 - HAI Quarterly Report, January through June 2014** - Issued October 2014. This report provides hospital-specific data from North Carolina short-term acute care hospitals, long-term acute care hospitals, specialty hospitals and inpatient rehabilitation facilities.
 - [Healthcare Consumer Version](#) (PDF, 14MB)

<http://epi.publichealth.nc.gov/cd/hai/figures.html>

Influenza (Flu) Information

www.flu.nc.gov

Home Information FAQs News Statistics Providers Contact

NCDHHS Influenza (Flu) Information

Early antiviral treatment works best.

About Influenza (Flu) Viruses

Remember to "Take 3" actions to fight flu this season

- 1 Get your Flu Vaccine
Also available in mist
- 2 Take preventative actions
- 3 Take antivirals
If you get the flu, as prescribed by your doctor.

Flu activity is high across most of the country with flu illnesses, hospitalizations and deaths elevated. Flu season will probably continue for several weeks.

While the flu vaccine may not work as well as usual against some H3N2 viruses, **vaccination** can still protect some people and reduce hospitalizations and deaths, and will protect against other flu viruses.

Influenza antiviral drugs can treat flu illness. CDC recommends these drugs be used to treat people who are very sick or who are at high risk of serious flu complications who have flu symptoms. Early antiviral treatment works best.

Flu Vaccine Finder Find flu clinics near you

Everyone six months of age and older needs a flu vaccine.

Enter Zip Code

powered by HealthMap

Tweets

CDC CDC Flu @CDCFlu 1h
Outbreaks of avian H5 in U.S. birds pose a low risk to ppl now, but human infections may be possible: 1.usa.gov/1Hrw17S Expand

CDC CDC Flu @CDCFlu 13h
#Flu activity continues to decrease, but remains elevated in the U.S. More in: 1.usa.gov/1dgiUJY Expand

CDC CDC Flu @CDCFlu 17h
Tweet to @CDCFlu

Flu symptoms include:

- A 100°F or higher fever or feeling feverish (not everyone with the flu has a fever)
- A cough and/or sore throat
- A runny or stuffy nose
- Headaches and/or body aches
- Chills
- Fatigue
- Nausea, vomiting, and/or diarrhea (most common in children)

Source: CDC.gov

Flu Information

FILTER: ALL ANTIVIRALS PREVENTION SYMPTOMS EMPLOYERS HIGH RISK GROUP CHILDREN ESPAÑOL


Rabies Facts & Figures

The screenshot shows a web browser window with the URL epi.publichealth.nc.gov/cd/rabies/figures.html. The page header includes the DHHS logo and navigation links for "Individuals & Families", "Local Health Depts", "Healthcare Providers", "Schools, Businesses & Community Groups", and "Facts & Figures". The main content area is titled "Rabies Facts & Figures" and contains a list of links for "Rabies tag lists" (1-Year, 3-Year, I Care) and "Statistical reports" (Positive test results, Rabies/county tables, Summary reports, Graphs and maps). A "Rabies Tag Lists" section provides a list of PDF files for each year from 2005 to 2015, including file names and sizes.

DHHS Home | A-Z Site Map | Divisions | About Us | Contacts | En Español

Search Term(s): Search

dhhs
NC Department of Health and Human Services

Epidemiology 
Home North Carolina Public Health

INDIVIDUALS & FAMILIES LOCAL HEALTH DEPTS HEALTHCARE PROVIDERS SCHOOLS, BUSINESSES & COMMUNITY GROUPS **Facts & Figures**

Communicable Disease HOME

▼ **A-Z Diseases & Topics**

- Rabies
 - Control & Prevention in N.C.
 - Facts & Figures
 - Oral Rabies Vaccine for Wildlife
- Programs & Services
- Surveillance & Reporting
- Disease Laws & Rules
- About Us
- Contact Us

Quick Links

- Zoonotic Diseases
- Related Programs
- Veterinary Public Health
- Related Sites
- Local Health Depts. by County
- N.C. Rabies Control Agencies

Communicable Disease > A-Z Diseases & Topics > Rabies > Facts & Figures

Rabies Facts & Figures

- **Rabies tag lists** - Tag numbers and issuing veterinarian/animal control agency by year.
 - [1-Year \(1999-present\)](#)
 - [3-Year \(1999-present\)](#)
 - [I Care \(2001-2008\)](#)
- **Statistical reports:**
 - [Positive test results by county and source, 2001 to present](#)
 - [Rabies/county tables by year, 1990 to present](#)
 - [Summary reports by year, 2006-2008](#)
 - [Graphs and maps](#)

Rabies Tag Lists

These pdf files contain contact information arranged by tag-number for easier tracking of animals.

- [1-Year](#)
- [3-Year](#)
- [I Care](#)

1-Year Tags:

- [2015: 1-year rabies tags](#) (PDF, 61KB)
- [2014: 1-year rabies tags](#) (PDF, 85KB)
- [2013: 1-year rabies tags](#) (PDF, 82KB)
- [2012: 1-year rabies tags](#) (PDF, 111KB)
- [2011: 1-year rabies tags](#) (PDF, 90KB)
- [2010: 1-year rabies tags](#) (PDF, 91KB)
- [2009: 1-year rabies tags](#) (PDF, 90KB)
- [2008: 1-year rabies tags](#) (PDF, 97KB)
- [2007: 1-year rabies tags](#) (PDF, 118KB)
- [2006: 1-year rabies tags](#) (PDF, 116KB)
- [2005: 1-year rabies tags](#) (PDF, 103KB)

<http://epi.publichealth.nc.gov/cd/rabies/figures.html>

Tuberculosis Facts & Figures

The screenshot shows a web browser window with the URL epi.publichealth.nc.gov/cd/tb/figures.html. The page header includes the DHHS logo and navigation links: "DHHS Home | A-Z Site Map | Divisions | About Us | Contacts | En Español". The main navigation bar features "Epidemiology" and "NCPH Home North Carolina Public Health". Below this, there are tabs for "INDIVIDUALS & FAMILIES", "LOCAL HEALTH DEPTS", "HEALTHCARE PROVIDERS", "SCHOOLS, BUSINESSES & COMMUNITY GROUPS", and "Facts & Figures".

The left sidebar contains a "Communicable Disease HOME" section with a "A-Z Diseases & Topics" menu. Under "Tuberculosis", there are links for "TB Control in N.C.", "TB Facts & Figures", "Programs & Services", "Surveillance & Reporting", "Disease Laws & Rules", "About Us", and "Contact Us". Below this are "Quick Links" for "N.C. TB Policy Manual" and "Related Programs" for "N.C. TB Control Program" and "Partners in N.C. TB Control".

The main content area has a breadcrumb trail: "Communicable Disease > A-Z Diseases & Topics > Tuberculosis > Facts & Figures". The title is "Tuberculosis Facts & Figures". The text states: "The North Carolina Tuberculosis Control program compiles yearly data on reported cases of tuberculosis and drug-resistant tuberculosis in North Carolina. [National tuberculosis data](#) is available from the U.S. Centers for Disease Control and Prevention (CDC)."

There are three links: "Annual summaries", "Drug-resistant cases by year", and "Data tables showing multiple years".

The section "Annual North Carolina Tuberculosis Statistical Summaries" lists PDF files from 2013 to 2000 with their respective sizes:

- 2013 (PDF, 1.4 MB)
- 2012 (PDF, 707KB)
- 2011 (PDF, 731KB)
- 2010 (PDF, 403KB)
- 2009 (PDF, 329KB)
- 2008 (PDF, 927KB)
- 2007 (PDF, 2.68 MB)
- 2006 (PDF, 1.24 MB)
- 2005 (PDF, 1.02 MB)
- 2004 (PDF, 1.01 MB)
- 2003 (PDF, 131KB)
- 2002 (PDF, 446KB)
- 2001 (PDF, 166KB)
- 2000 (PDF, 121KB)

A "Back to top" link is provided. The section "Drug-Resistant Tuberculosis Cases in North Carolina" lists PDF files from 2013 to 2010:

- 2013 (PDF, 26KB)
- 2012 (PDF, 28KB)
- 2011 (PDF, 32KB)
- 2010 (PDF, 56KB)

<http://epi.publichealth.nc.gov/cd/tb/figures.html>

Vaccine-Preventable Diseases (VPD) Reports

General VPDs

Pertussis

epi.publichealth.nc.gov/cd/figures.html#vpd

- Communicable Diseases, North Carolina, 2004 (PDF, 69KB)
- Communicable Diseases, North Carolina, 2003 (PDF, 16KB)
- Communicable Diseases, North Carolina, 1991 to 2004 (PDF, 22KB)
- DISEASE TABLES: Reported Cases, North Carolina, 2000-2005, Disease by County of Residence and by Year of Report (PDF, 181KB)
- COUNTY TABLES: Reported Cases, North Carolina, 2000-2005, County of Residence by Disease and by Year of Report (PDF, 194KB)

[back to top](#)

Outbreak Reports of Historical Significance

In chronological order:

- E. coli O157:H7 Outbreak Associated with Cleveland County Fair (2012) (PDF, 957KB)
 - NC DHHS Press Release: [DHHS Public Health Investigators Identify Source of E. coli Outbreak - November 10, 2011](#)
- E. coli Outbreak Investigation Summary - N.C. State Fair - Oct. 25-Nov. 10, 2011 (PDF, 25KB)
 - NC DHHS Press Release: [N.C. Agriculture, Health Officials Identify Source of E. coli Outbreak - November 10, 2011](#)
- Hepatitis outbreak in Wayne County (2010) (PDF, 845KB)
- Shiga toxin-producing E. coli infection outbreak associated with a petting zoo at the N.C. State Fair (2004) (PDF, 693KB)
- SARS in N.C. (2003)
- Hepatitis A among men who have sex with men - statewide summary report (1997-2002) (PDF, 42KB)

[back to top](#)

Spay/Neuter Program for Companion Animals

Starting with 2011 data, spay/neuter program statistics will be administered by the N.C. Department of Agriculture & Consumer Services (NCDACS), Archival program statistics (2001-2010), including yearly animal shelter reporting data by city/county and city/county local assistance reimbursements, are available from the Communicable Disease Branch Veterinary Public Health program by request. [Contact us.](#)

[back to top](#)

Vaccine-Preventable Diseases

- Vaccine-Preventable Diseases Reported in North Carolina, 2013 (PDF, 2MB)

[back to top](#)

nc.gov Jobs at N.C. DHHS | Disclaimer | Accessibility | Contact the Webmaster
Updated: January 6, 2015

epi.publichealth.nc.gov/cd/diseases/pertussis.html

DHHS Home | A-Z Site Map | Divisions | About Us | Contacts | En Español

Epidemiology

Communicable Disease > A-Z Diseases & Topics > Pertussis

Diseases & Topics

Pertussis (Whooping Cough)

Pertussis, also known as whooping cough, is a vaccine-preventable, highly contagious respiratory disease caused by bacteria. It is spread person to person, primarily through coughing and sneezing.

Pertussis is known for uncontrollable, violent coughing which often makes it hard to breathe. After fits of many coughs, someone with pertussis often needs to take deep breaths that result in a "whooping" sound. Pertussis most commonly affects infants and young children and can be fatal, especially in babies under 1 year of age. If you or your child develops a cold that includes a severe cough or a cough that lasts for a long time, it may be pertussis. The best way to know is to contact your doctor.

Vaccination is the best way to protect against pertussis. There are vaccines for babies and children, pre-teens, teens and adults, especially pregnant women. The childhood vaccine is called DTaP, and the pertussis booster vaccine for adolescents and adults is called Tdap.

For Additional Information

- Pertussis Monthly Report: January 1 - December 31, 2014 (PDF, 313 KB)
- CDC: [Pertussis fact sheet #](#)
- NC Northwest AHEC Archived Presentation (48 min): [Pertussis in Adults-What's the Whoop All About?](#), Fall 2012; Vera P. Luther M.D., Assistant Professor, Infectious Diseases, Wake Forest Baptist Health. [Register Here for CME Credit](#) (Expires Dec 31, 2013 Northeast AHEC website)
- NC DHHS: [Keep Illness from Spreading](#)
- NC DHHS: [N.C. Immunization Branch: Vaccine-Preventable Diseases - Pertussis](#)

nc.gov Jobs at N.C. DHHS | Disclaimer | Accessibility | Contact the Webmaster
Updated: March 3, 2015

<http://epi.publichealth.nc.gov/cd/figures.html#vpd>

<http://epi.publichealth.nc.gov/cd/diseases/pertussis.htm>¹

Questions?

The screenshot shows a web browser window with the URL epi.publichealth.nc.gov/cd/contact.html. The page header includes navigation links for DHHS Home, A-Z Site Map, Divisions, About Us, Contacts, and En Español. A search bar is present with the text "Search Term(s):" and a "Search" button. The main navigation menu includes: INDIVIDUALS & FAMILIES, LOCAL HEALTH DEPTS, HEALTHCARE PROVIDERS, SCHOOLS, BUSINESSES & COMMUNITY GROUPS, and FACTS & FIGURES. The breadcrumb trail reads: Epidemiology > Communicable Disease > Contact Us. The page title is "Communicable Disease" with a sub-heading "Contact Us". The main content area states: "North Carolina's Communicable Disease Branch is part of the Epidemiology Section of the N.C. Division of Public Health, Department of Health & Human Services." It provides contact information: Phone: (919) 733-3419 (main number; 24 hours), Fax: (919) 733-0490 / Secure Fax: (919) 715-4699. The Street Address is 225 N. McDowell Street, Raleigh, North Carolina 27603. The Mailing Address is Communicable Disease Branch, Epidemiology Section, Division of Public Health, N.C. Dept of Health and Human Services, 1902 Mail Service Center, Raleigh NC 27699-1902. The left sidebar contains a menu with "EPI HOME", "Communicable Disease" (expanded), "A-Z Diseases & Topics", "Facts & Figures", "Programs & Services", "Surveillance & Reporting", "Disease Laws & Rules", "About Us", and "Contact Us". Below this are "Quick Links" for "N.C. Communicable Disease Manuals", "Healthcare-Associated Infections", and "Veterinary Public Health". "Related Programs" include "Immunization Branch", "State Center for Health Statistics", "State Laboratory of Public Health", and "DPH Privacy Statement". "Related Sites" include "Local Health Depts by County", "U.S. Centers for Disease Control & Prevention (CDC)", and the "nc.gov" logo. The footer contains "Jobs at N.C. DHHS | Disclaimer | Accessibility | Contact the Webmaster" and "Updated: October 29, 2014".