

NC DETECT Cheat Sheet / Executive Summary

User Name & Password Help	Clifton Barnett (919) 843-2360 ext. 2 cbarnett@email.unc.edu
Account Requests	http://www.ncdetect.org . Click on Account Request and complete the form. All account requests are approved by the Communicable Diseases Branch in the NC Division of Public Health
Data Sources	<p>Carolinas Poison Center (CPC): Statewide. Available back to 1/1/2006; updated hourly</p> <p>Emergency Departments (ED): Civilian hospitals and VA EDs. Go to https://www.ncdetect.org/HospitalStatus.html for more details on data availability for each specific hospital</p> <p>Pre-hospital Medical Information System (PreMIS): Statewide ambulance run data for participating providers</p> <p>Urgent Care (UC): Available for Mecklenburg County Area only back to 2008.</p> <p>https://www.ncdetect.org/dataelements.html provides detailed information on data elements available for NC DETECT data sources.</p>

General Information about NC DETECT Reports

- <http://www.ncdetect.org> is available 24/7/365.
- All tabular data can be exported to Excel (link is at the bottom of the table).
- To sort tabular data, click on the column name.
- All graphs can be copied and used in other applications (Word, PowerPoint, etc.). Right click on the graph to copy, save, etc..
- On many reports, higher than expected counts will be “flagged” with **C1**, **C2**, and/or **C3** “signals” or a red star.
- Reports available to users are based on user role and geographic location. You may or may not have access to all of the reports described in this document. Please contact Clifton Barnett (cbarnett@email.unc.edu) with any questions about your specific user role and access.

Syndromic Surveillance Reports Overview

Analyze CPC, ED, PreMIS and UC data and group into syndromes. Syndromes are based on keywords in the free text data. Syndromes do NOT indicate confirmed cases; they look for signs and symptoms that *may indicate* a case or unusual cluster of records. Links to the case definitions are available on the reports.

- **Syndrome Overview Report:** provides up to a 31-day overview of syndrome counts for selected syndromes and locations. Counts that are higher than expected will be “flagged” with **C1**, **C2**, and/or **C3** signals. Click on a syndrome count of interest to view line listing information in the Syndrome Case Report
- **Syndrome Case Report:** displays line listing information for selected syndrome for user-selected date range (no limit to date range, but result record count cannot be higher than 15,000). Line and bar graphs also available which can be grouped by day or week and stratified by up to 9 age groups
- **Weekly Syndromic Report:** Shows weekly counts of ED syndromes by hospital or patient’s county of residence for a two-week window, as well as any comments on signal investigations

(see Annotation Reports). Report is downloadable to Word.

Annotation Reports

- **Add Comments to Signals and Events:** Allows authorized users to add comments to signals (**C1**, **C2** and/or **C3**), and BT Agent Case report results, and to create “events” (see second bullet below).
- **Create a New Event:** Authorized users can create events. In NC DETECT, events are public health events of interest documented by users for which there is no corresponding signal in NC DETECT.
- **View All Signals and Events:** Displays signals and any comments for signals based on patient’s county of residence. This report allows users to view comments outside of their jurisdiction.

Create Your Own Reports

- **ED Custom Search Report (Beta):** Allows authorized users to search the ED data using standardized chief complaint keyword terms. Users can currently search against 3,000 indexed terms and create BOOLEAN-type queries.

Disaster and Other Surveillance Reports

- **Disaster & Other Surveillance Overview Report:** provides up to a 31-day overview of syndrome counts for selected disaster-related syndromes and locations. Higher than expected counts will be “flagged” with **C1**, **C2**, and/or **C3** signals. Click on a syndrome count of interest to view line listing information in the Disaster and Other Surveillance Line Listing Report. Syndromes can be grouped by disaster type or disease/injury grouping.
- **Disaster and Other Surveillance Line Listing Report (Beta):** displays line listing information for selected syndrome for user-selected date range (no limit to date range, but result record count cannot be higher than 15,000). Line and bar graphs also available.

PHE Surveillance Reporting

- **PHE Weekly Summary Report:** Allows authorized users to view summary data of weekly lab information and other documentation entered by PHEs. Aggregate graphs are also available.

Case Reports

- **Basic Line Listing Report:** Provides line listing information for ED, CPC, PreMIS and CVML data. In the ED data, users can filter the line listing information by ICD-9-CM Final Diagnosis Codes. In the CPC data, users can filter the line listing information by substance(s). There are no date range limits but result record count cannot be higher than 15,000.
- **Bioterrorism (BT) Agent Case Report:** Provides ED line listing information for select BT agents of interest. This report is MUCH MORE specific than the syndrome reports because it looks for specific diagnoses of BT agents, e.g. Anthrax or specific mention of the BT agent in the chief complaint or triage notes, e.g. “Rule out Anthrax.” Case definitions are available on the report.
- **Custom Event Case Report:** Provides line listing information for a variety of public health events that have been added to track known outbreaks, recalls, natural disasters, and disease or symptom groups that cannot be easily tracked with existing reports. Graphs are also available. Custom event case definitions are available on the report. Custom events are added regularly. Request a custom event by contacting amy_ising@med.unc.edu or cbarnett@email.unc.edu.
- **ED ICD-9-CM Group Case Report:** Provides line listing information for ICD-9-CM final diagnosis groupings for select injuries, communicable diseases and chronic Diseases. Case definitions are available on the report.

Statewide (aggregate) Reports

Aggregate reports are available to all users and are intended to provide users with access to aggregate data outside their normal jurisdiction, For example, while a hospital-based user will

be able to access line listing information for their hospital(s) in the reports explained earlier, aggregate reports will allow this user to view trends by patient county of residence for any county in NC.

- **Influenza Like Illness Weekly Counts and Percentages – Download to Excel:** Download ILI weekly data for the entire state or a PHRST region.
- **Statewide Custom Event Chart Report:** The same custom events available in the Custom Event Case Report are available here, but only graphs by patient's county of residence are available (no line listing and no searching by hospital).
- **Influenza Like Illness Weekly Graph:** Various pre-processed weekly graphs for influenza-like illness
- **Weekly ED Syndrome Graphs:** Weekly graphs are pre-processed and updated nightly for gastrointestinal illness (GI) and respiratory illness. Statewide and PHRST region graphs are available along with several different chart types, including counts, percentages, age group and disposition breakdowns.
- **Statewide Syndrome Maps:** View county-based maps for GI, ILI and Respiratory for CPC, ED and PreMIS data. Requires an SVG plug-in (details available on the report). Users can view day-by-day trends within their selected date range. Maps cannot be copied and pasted but users can use ALT PRTSc (print screen) to capture a screen shot
- **Multi Data Source Signal Summary Report:** View County-based Signals for CPC, ED and PreMIS for a 4-day window all in one table. Allows users to see signals for the same syndrome on the same day across multiple data sources
- **Statewide Syndrome Overview Report:** Provides up to a 31-day overview of syndrome counts for user-selected syndromes and counties (no hospital-based searches available). Counts that are higher than expected will be "flagged" with **C1**, **C2**, and/or **C3** signals.
- **Statewide Syndrome Chart Report:** Provides daily and weekly graphs for selected syndrome and location.
- **Statewide Counts Grouped by Day / Week / Month Report:** Daily ED or PreMIS census counts grouped by day, week or month by patient's county of residence (no hospital). Searches by day are limited to a 10 day span; searches by week are limited to a 10 week span; searches by month are limited to a 10 month span.

Metadata Reports

Counts Grouped By Day / Week / Month Report: Daily ED or PreMIS census counts grouped by day, week or month by patient's county of residence or hospital (ED). Searches by day are limited to a 10-day span; searches by week are limited to a 10-week span; searches by month are limited to a 10-month span.

Data Quality Report: Track data quality issues (if any) that are being investigated in hospitals in your jurisdiction.

Dashboards

NC DETECT added "Dashboard" reports in June 2011 for local health department and state-level (DPH) users. These dashboards are organized into tabs (overview, hot topics, heat, flu, animals/vectors, etc.) and provide at-a-glance views of graphical trends and user comments. Many graphs are directly linked to their respective line listing reports; just click on a point of interest in the graph to view the line listing.