

Timely Public Health Surveillance with NC DETECT

North Carolina Disease Event Tracking and Epidemiologic Collection Tool



NC DETECT Purpose

- Early Event Detection using existing electronic data
- Situational Awareness
- Broader public health surveillance including:
 - Communicable Disease trends
 - Injuries
 - Post-disaster surveillance
 - Occupational health, chemical exposures, etc.
 - Chronic diseases (asthma, diabetes)

NC DETECT



Background

- **1999-2002:** NC Emergency Department Database (NCEDD) in pilot phase
- **2002-2004:** Expansion, Bioterrorism focus (voluntary)
- **2004:** NC Department of Public Health partnered with the NC Hospital Association
- **2005:** Mandatory reporting of hospital ED data. Authority for public health officials to investigate syndromic signals

GS § 130A-480

Emergency department data reporting

(a) For the purpose of ensuring the protection of the public health, the State Health Director shall develop a syndromic surveillance program for hospital emergency departments in order to detect and investigate public health threats that may result from

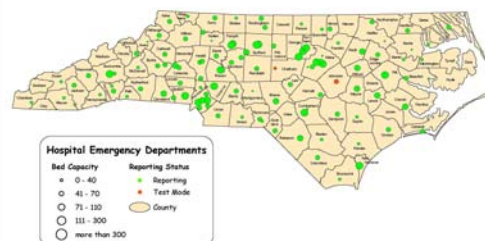
- (i) a terrorist incident using nuclear, biological, or chemical agents or
- (ii) an epidemic or infectious, communicable, or other disease.

The State Health Director shall maintain the confidentiality of the data reported pursuant to this section and shall ensure that adequate measures are taken to provide system security for all data and information. The State Health Director may share data with local health departments for public health purposes, and the local health departments are bound by the confidentiality provisions of this section. The State Health Director shall not allow information that it receives pursuant to this section to be used for commercial purposes and shall not release data except as authorized by other provisions of law.

** Effective 1/1/2005*

** Law modified in 2007 to allow sharing of reported hospital ED data with CDC*

Hospital Emergency Departments Reporting to NC DETECT by General Bed Capacity As of September 2010, 116 hospitals reporting, including VA Medical Centers

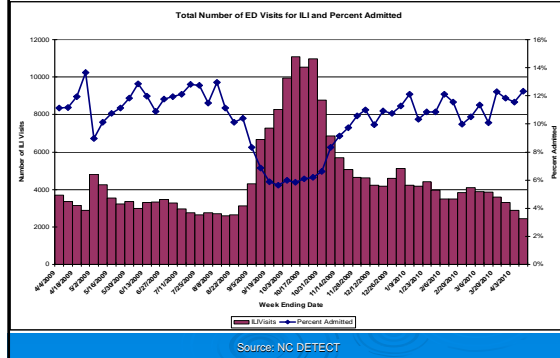


State Center for Health Statistics

NC DETECT

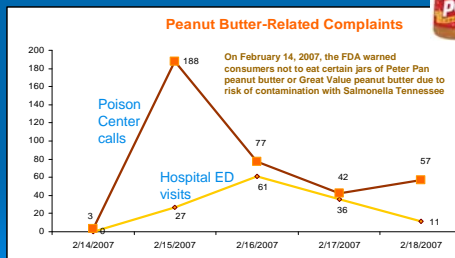
- 24/7/365 Secure Web access
- Updates twice a day for ED data & hourly for CPC data
- Role-based access
- Tables, graphs and maps
- Aggregate and line listing reports
- Customization options

Number of ED Visits for ILI and Percent Admitted

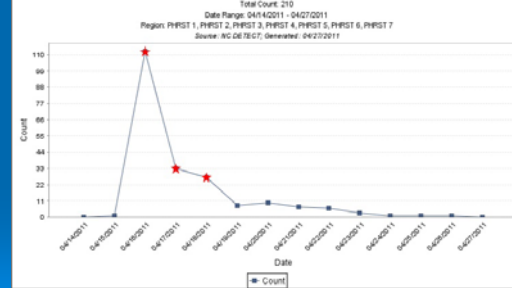


Food Product Recall

CPC data complements ED data



ED: Count of Disaster: Tornado Grouped by Date



NC DETECT

- See website for more information: <http://www.ncdetect.org/>
- If you have any questions please contact:

Heather Vaughan-Batten
919-733-9547
Heather.Vaughan-Batten@dhs.nc.gov

Amy Ising
919-966-8853
ising@ad.unc.edu