

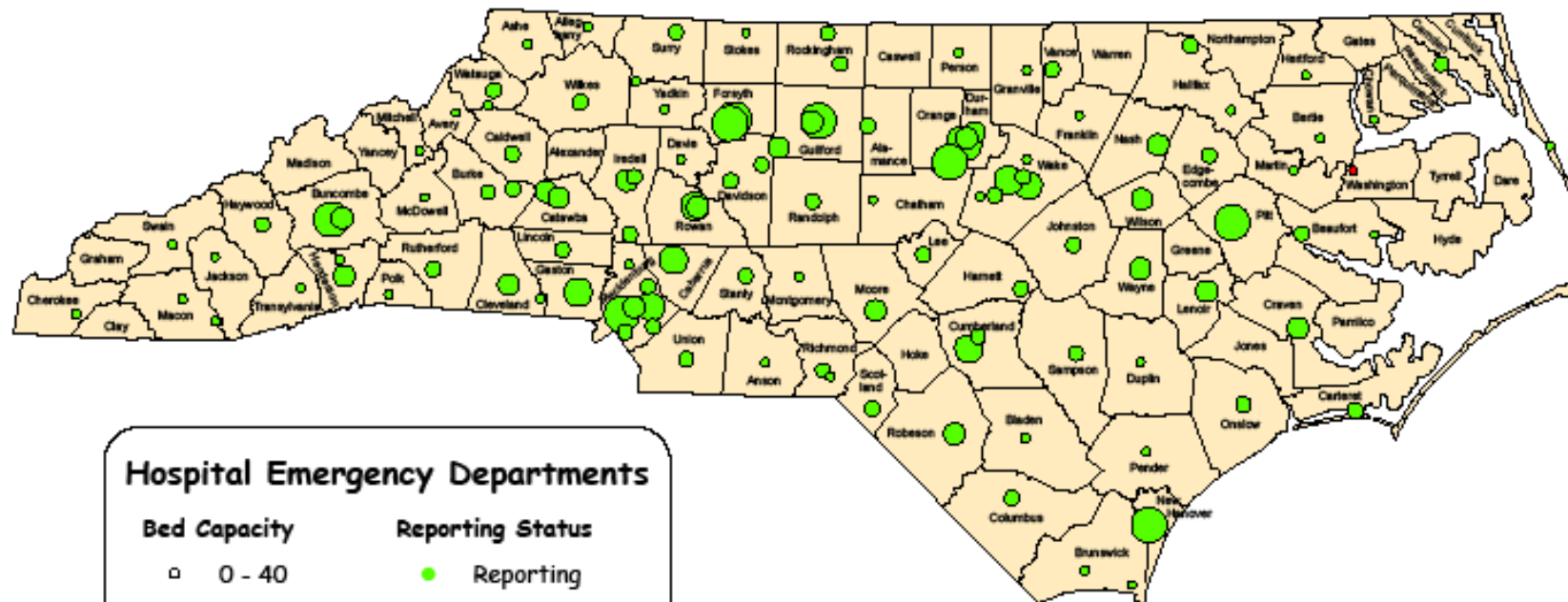
NC DETECT



Near Real-time Hospital Based
Surveillance During Pandemic
Influenza

Hospital Emergency Departments Reporting to NC DETECT by General Bed Capacity

As of March 2009, 115 hospitals reporting, including VA Medical Centers



Hospital Emergency Departments

Bed Capacity

- 0 - 40
- 41 - 70
- 71 - 110
- 111 - 300
- more than 300

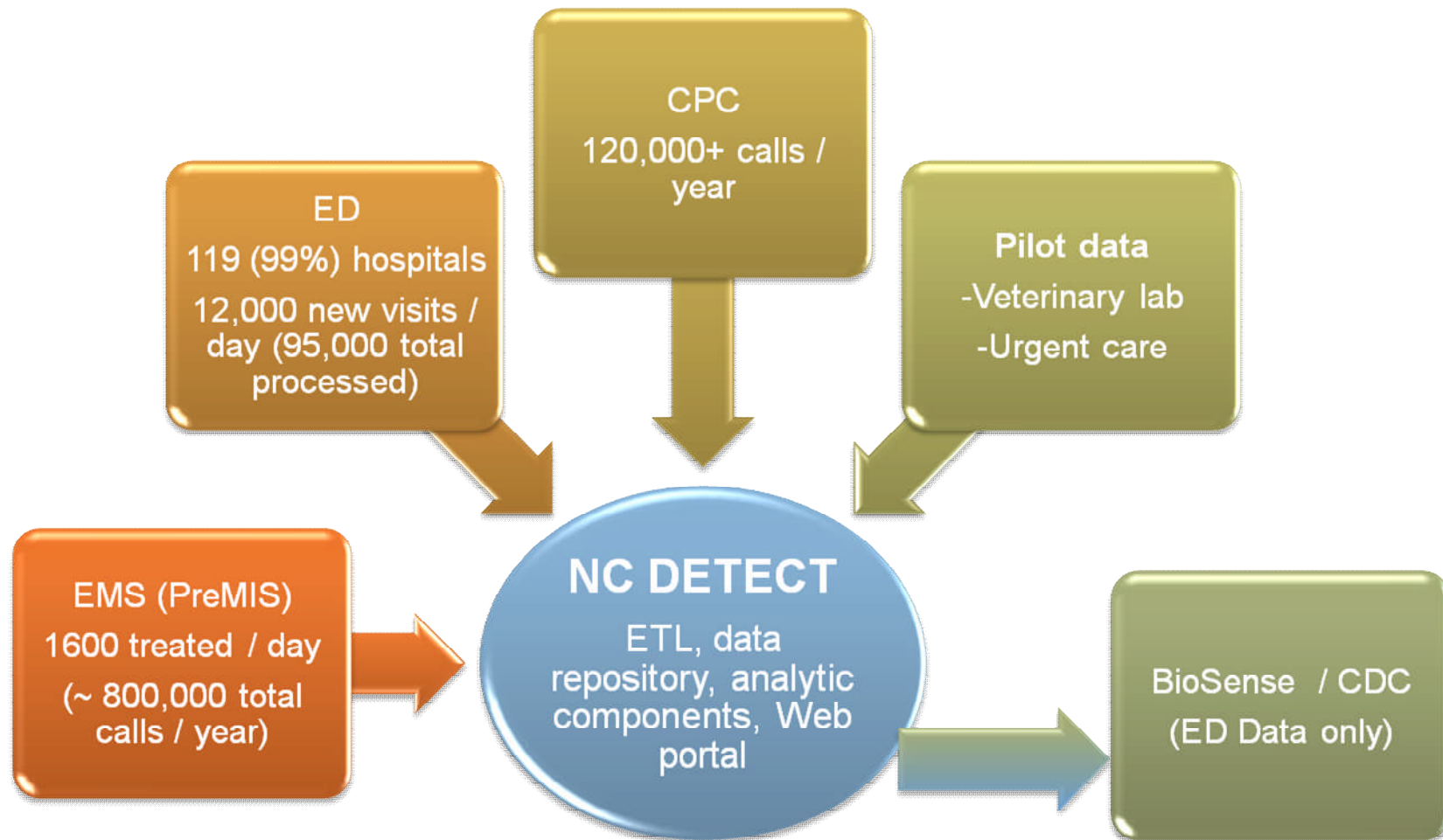
Reporting Status

- Reporting
- Not Reporting
- County

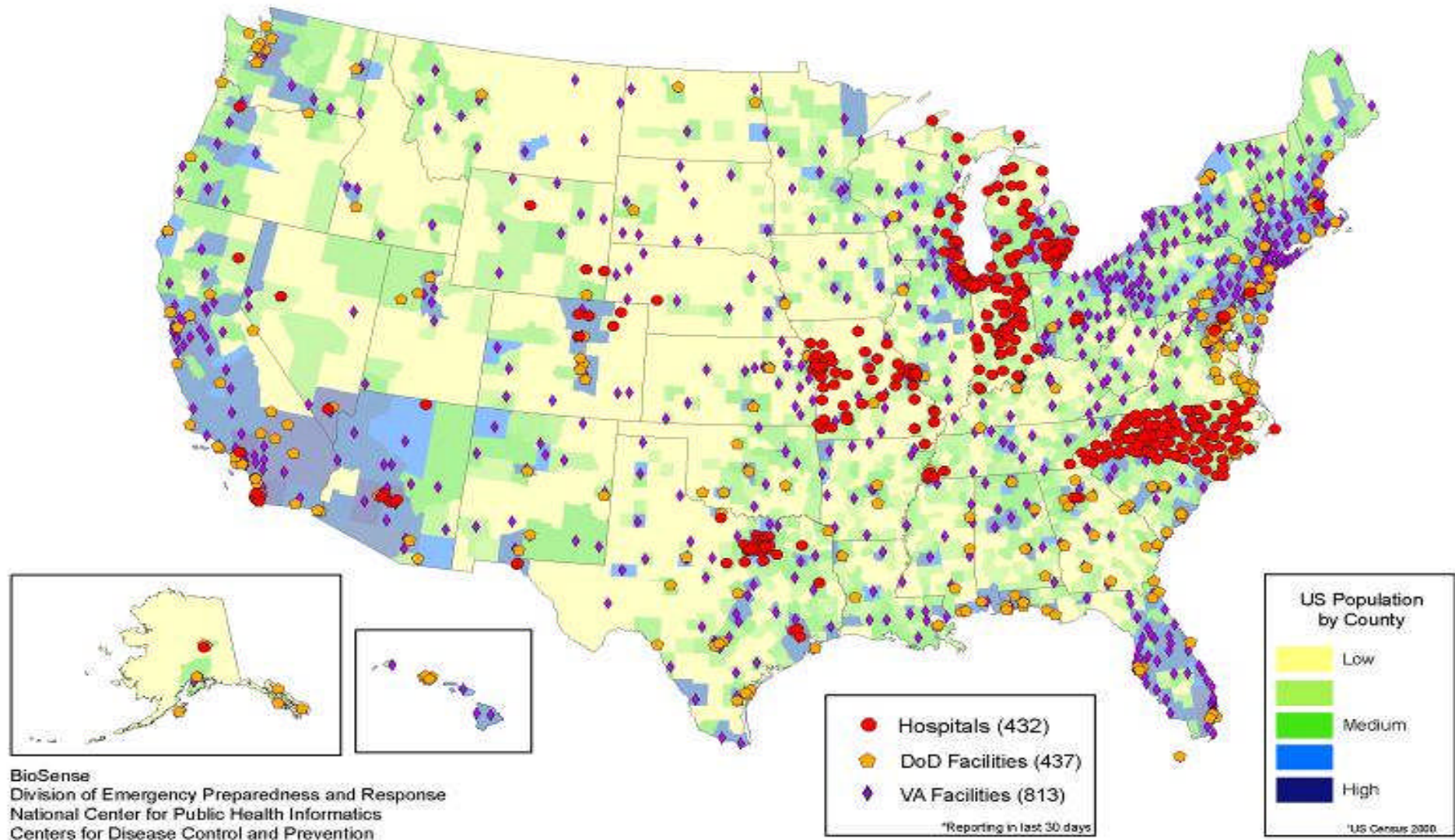


State Center for
Health Statistics

Volume of Data

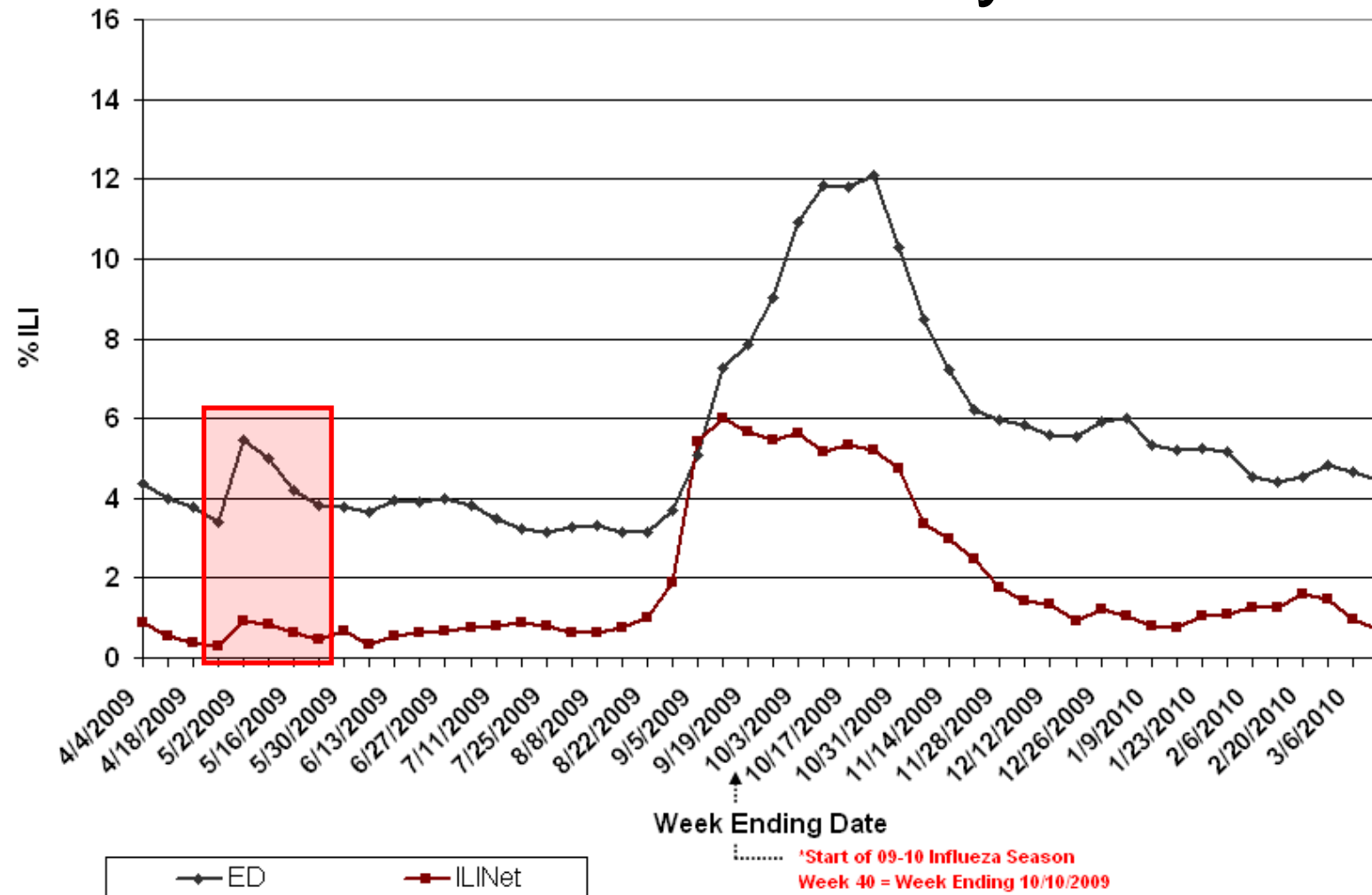


BioSense

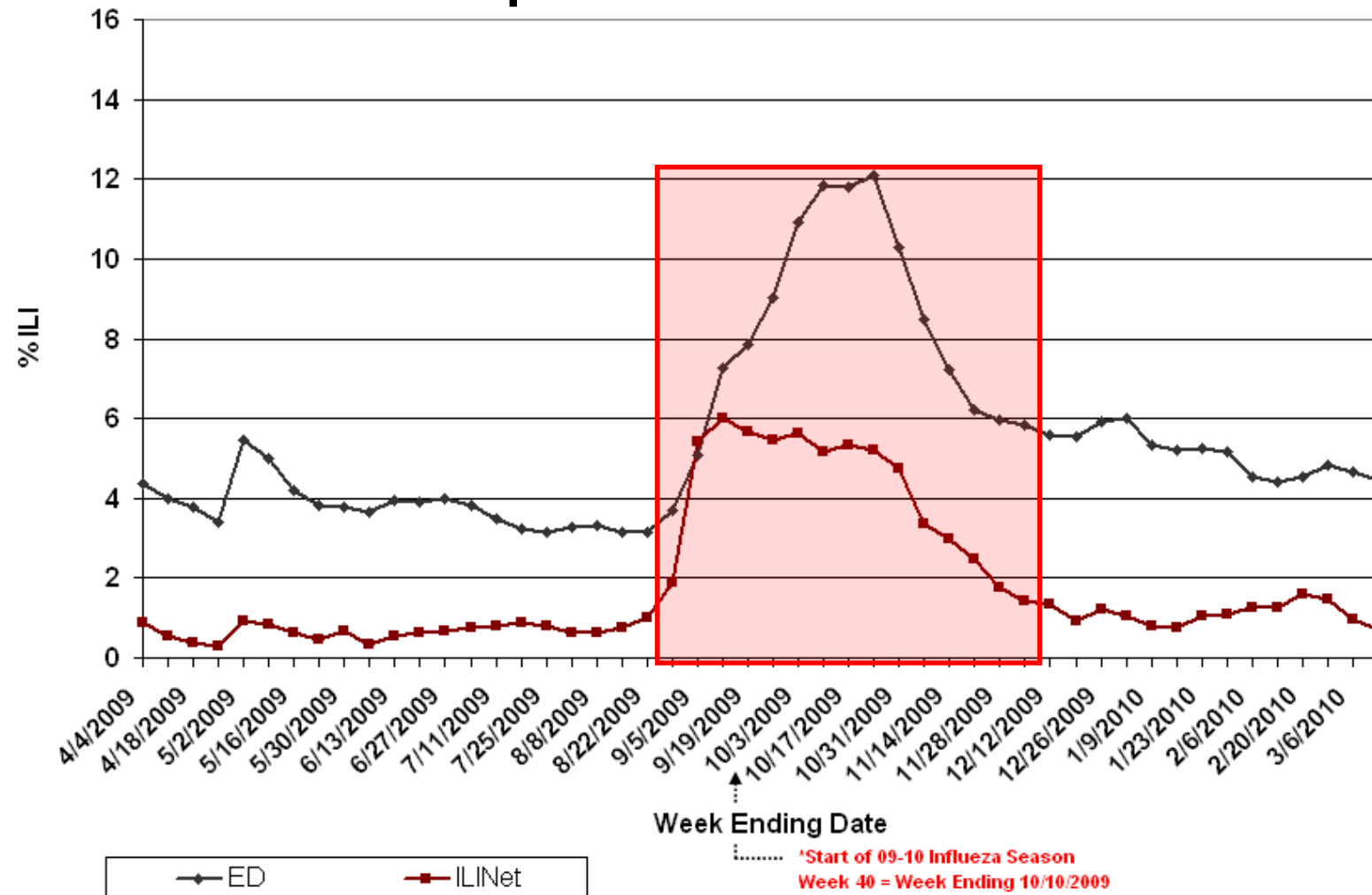


Tracking the pandemic “waves” in
near real-time.

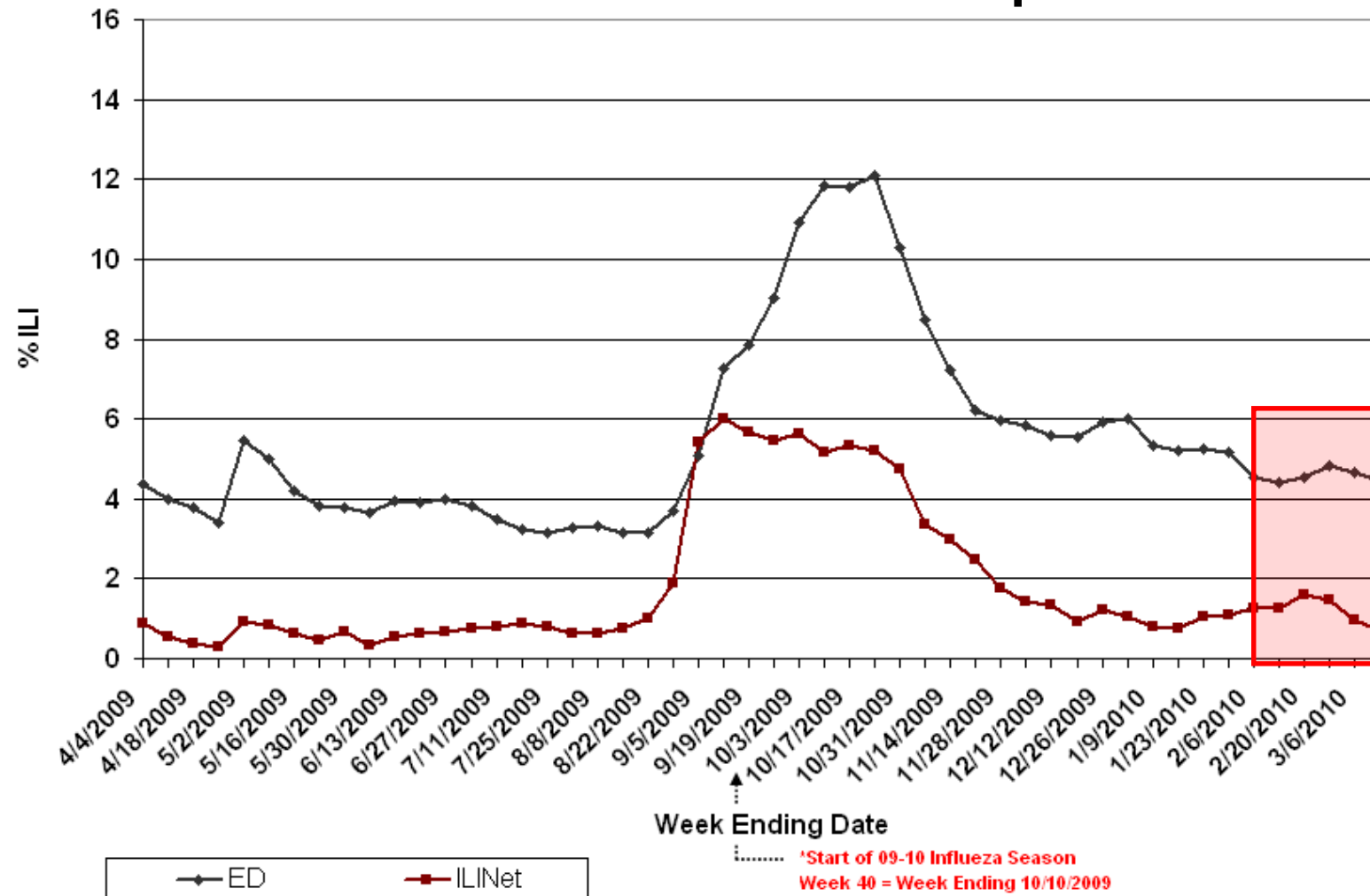
1st wave: May



2nd: September to December

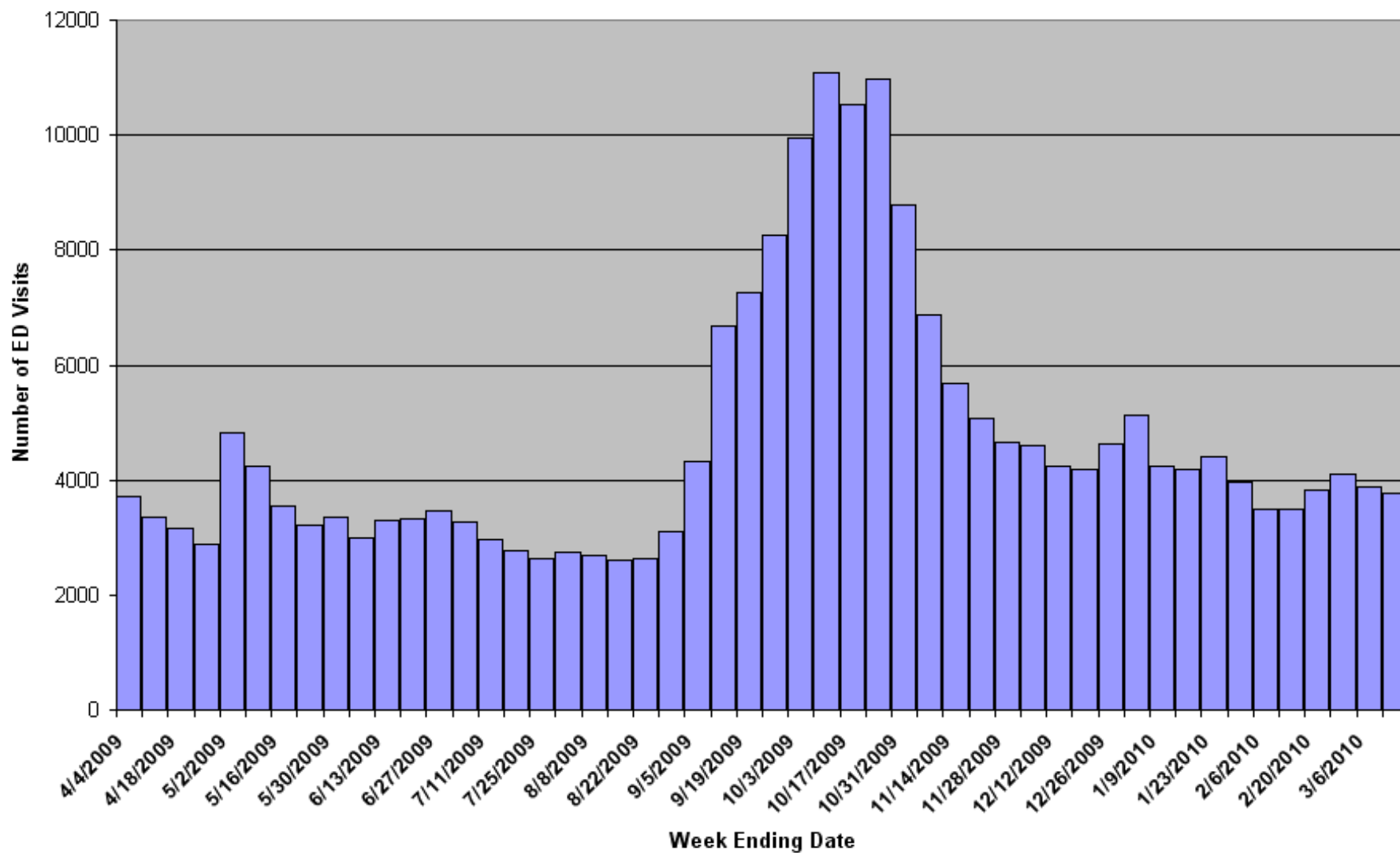


3rd: March – April



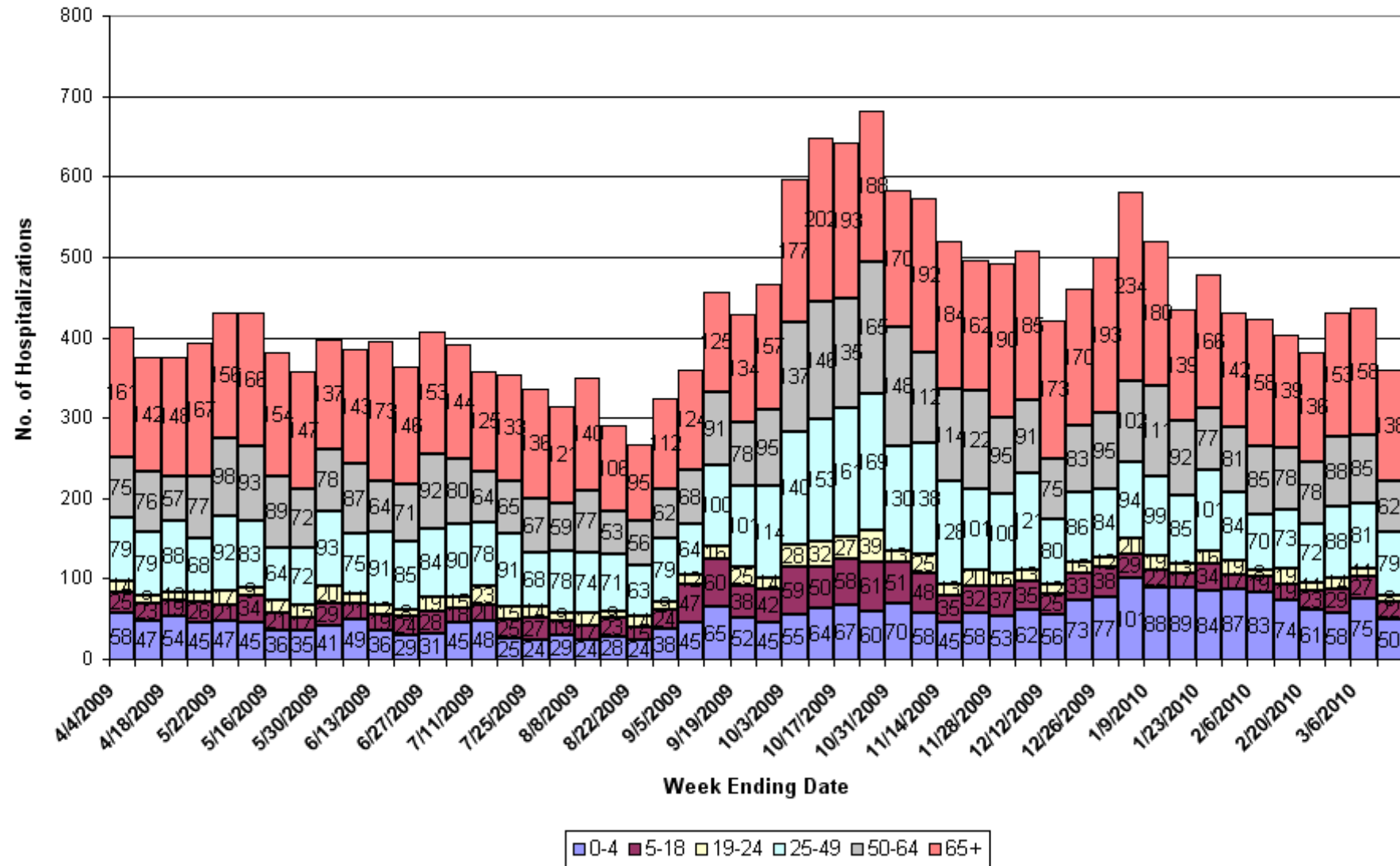
Assessing emergency department
burden in near real-time.

Total Number of ED Visits per Week



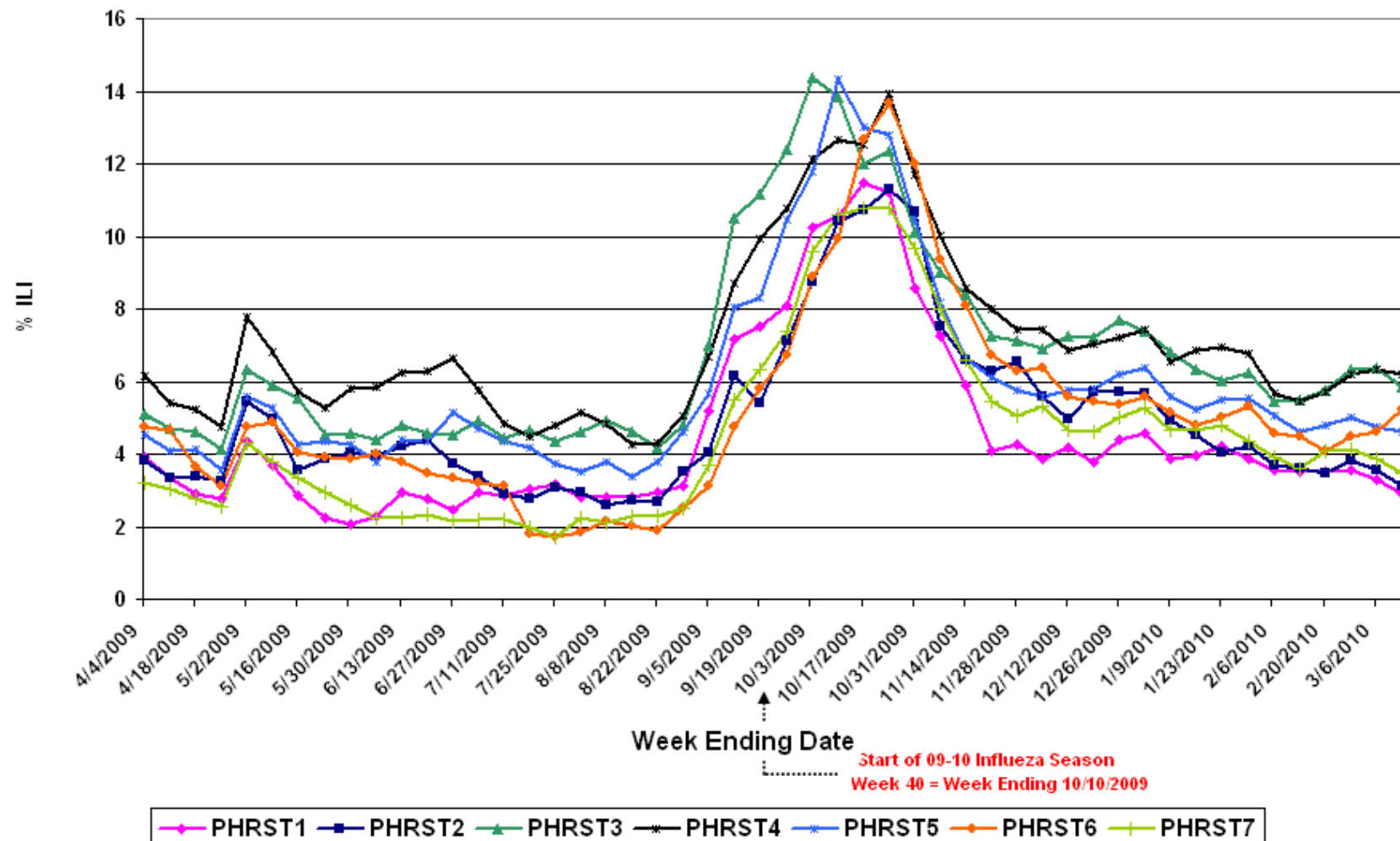
Monitoring hospitalizations in near
real-time.

Hospitalizations by Age Group

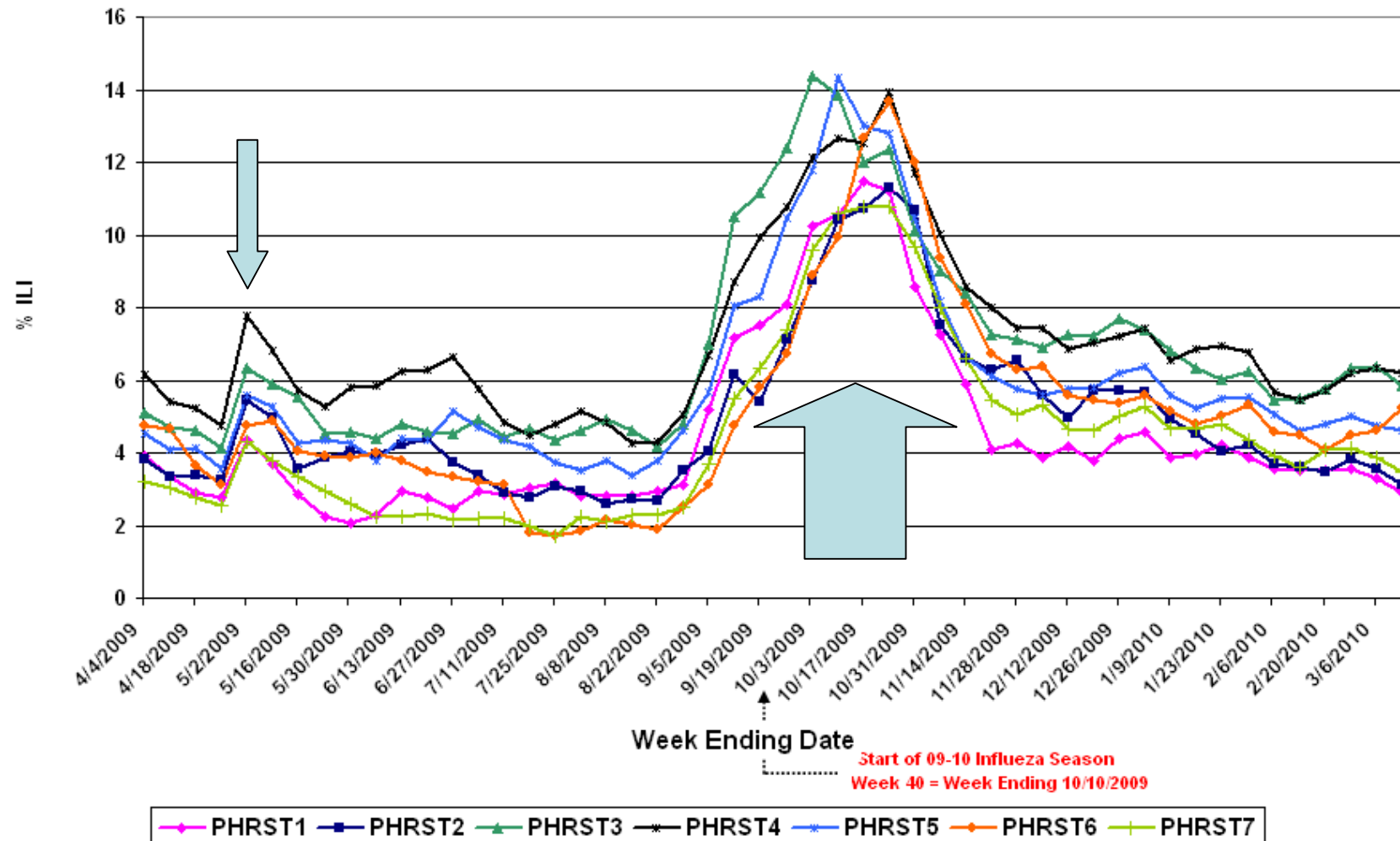


Comparing influenza across
regions in near real-time.

ILI by PHRST region



"Peaks" by PHRST regions



Supporting the epidemiologic
investigation in real-time.

Remote Access to Electronic Medical Records

Syndrome Case Report

Notes:

- Group by week note: Make sure date range spans complete week(s) for accuracy of the client's syndrome counts. When grouped by week, a complete week begins on Sunday and ends on Saturday. The calendar can be helpful to find a particular day of the week.
- Search by ALL sources or ALL FIRST regions excludes records with ROLL and non-NC counties. To view these records in ED data, search by ALL hospitals.

Data Source: Syndrome:

Date Range: From: To:

Location Type: ☐ Region ☐ County ☐ Hospital

Note: Diseases "ALL" before selecting multiple locations. Hold Ctrl to select multiple locations.

Age Group: ☐ All ☐ Specify

Display Chart Only: ☐

Display Options: ☐ Default ☐ Specify

ED Results

Note: Excel export link at bottom of report.

26 cases found, displaying all cases.

Hospital	Arrival Date and Time	County	Age	Sex	Disposition	Chief Complaint	Last Exam	Triage Notes	Diagnosis Description	Diagnosis Code(s)	ICD
Catawba Valley	2007-11-04 06:45:00	Catawba	28659	39	F	Discharged to home (routine discharge)	CHILLS	0.0	SS9.9 - OTHER AND UNSPECIFIED NONINFECTIOUS GASTROENTERITIS AND COLITIS ** 780.6 - FEVER	18926715	
Catawba Valley	2007-11-04 06:59:00	Catawba	28659	19	H	Discharged to home or self-care (routine discharge)	NO FEVER	0.0	SS9.9 - FOOD POISONING UNSPECIFIED ** 780.6 - FEVER	18926715	
Catawba Valley	2007-11-04 07:54:00	Alexander	28636	0	H	Discharged to home or self-care (routine discharge)	FEVER STOMACH	0.0	SS9.9 - ACUTE UPPER RESPIRATORY INFECTIONS OF UNSPECIFIED SITE ** 780.6 - FEVER	18926715	
Catawba Valley	2007-11-04 08:14:00	Catawba	28613	36	H	Discharged to home or self-care (routine discharge)	CHILLS	0.0	SS9.9 - OTHER AND UNSPECIFIED NONINFECTIOUS GASTROENTERITIS AND COLITIS ** 780.6 - FEVER	18926715	
Catawba Valley	2007-11-04 09:13:00	Catawba	28613	31	F	Discharged to home or self-care (routine discharge)	CHILLS	0.0	SS9.9 - OTHER AND UNSPECIFIED NONINFECTIOUS GASTROENTERITIS AND COLITIS ** 780.6 - FEVER	18926715	
Catawba Valley	2007-11-04 09:26:00	Catawba	28602	34	H	Discharged to home or self-care (routine discharge)	CHILLS	0.0	SS9.9 - OTHER AND UNSPECIFIED NONINFECTIOUS GASTROENTERITIS AND COLITIS ** 780.6 - FEVER	18926715	

NCHES-IMC Portlet

NCHES-IMC NCHES-EDDI NCHES Admin

Filter By:

Change State: Note:

Showing 1 - 9 of 9

<input type="checkbox"/>	<input checked="" type="checkbox"/> All	Status	Title	Patient Name	Identified	Site	Last Status Change	History
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unconfirmed	Plague	LARA MERCURYMDTEST	01440195	WAKT	02/10/2005 10:01 AM	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unconfirmed	Meningococcal	LARA MERCURYMDTEST	01440195	WAKT	02/10/2005 10:01 AM	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unconfirmed	Meningococcal	WILL MERCURYMDTEST	01440210	WAKT	02/10/2005 10:01 AM	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unconfirmed	Tularemia	WILL MERCURYMDTEST	01440210	WAKT	02/10/2005 10:01 AM	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unconfirmed	Tularemia	CHRIS MERCURYMDTEST	01440194	WAKT	02/10/2005 10:01 AM	

STOOL CULTURE

Test Date: 12/20/05 -- 10:45
Updated: 12/25/05 -- 12:57

Status: FINAL

LABORATORY RESULTS

Patient XXXXXXXXXXXXXXXX Age/Sex 5 M Loc (PODA)

Phys XXXXXXXXXXXXXXXX

=====

COLL XXXXXXXXXXXXXX REC XXXXXXXXXXXXXX PHYS XXXXXXXXXXXXXXXX

STOOL CULTURE
SPECIMEN DESCRIPT STOOL
SPECIAL REQUEST LOOK FOR YERSINIA
CULTURE MODERATE GROWTH SALMONELLA SPECIES, SENT
TO STATE HEALTH DEPARTMENT FOR
SEROTYPING
RESULTS AND DEMOGRAPHIC INFORMATION SENT
TO STATE HEALTH DEPARTMENT FOR
EPIDEMIOLOGIC PURPOSES
NO YERSINIA RECOVERED
REPORT STATUS PENDING
SUSCEPTIBILITY
ORGANISM MODERATE GROWTH SALMONELLA SPECIES, SENT
TO STATE HEALTH DEPARTMENT FOR
SEROTYPING
METHOD MIC (MCG/ML)
AMPCITILIN 100% SUSCEPTIBLE

NC DETECT during the Pandemic

- Provided near-real time hospital data on influenza-like-illness
- Allowed for rapid assessment of the scope and scale of the pandemic
- Assisted in epidemiologic investigation of clusters and adverse events
- National model for real-time disease surveillance