



Director's Update Brief novel 2009-H1N1

**Friday
21 MAY 2010**

**Day 402 / Month 13
Day 229 of Vaccination**

novel 2009-H1N1 –21 MAY 2010

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Epidemiology / Surveillance

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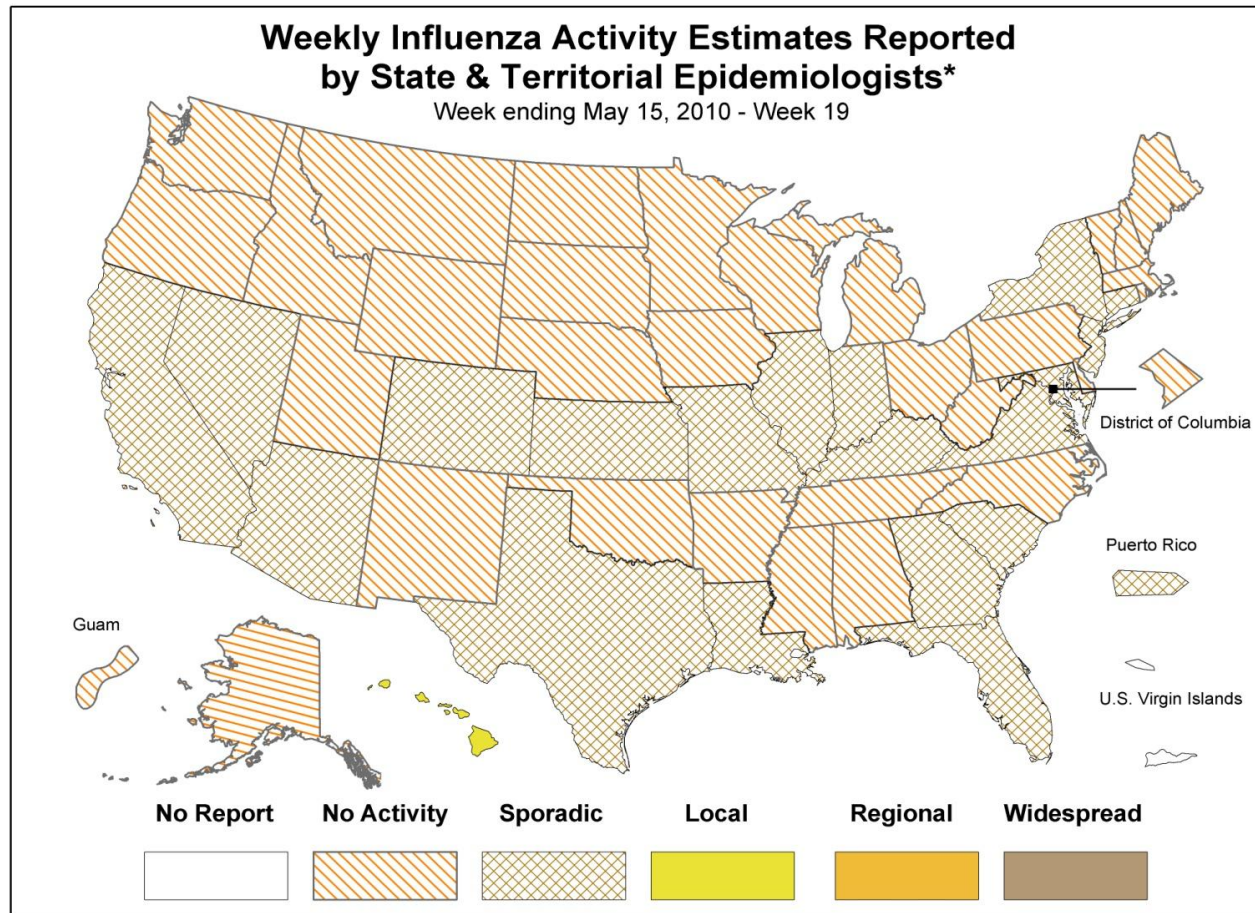


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Epidemiology/Surveillance

Weekly Influenza Activity Reported by SLTT's



* This map indicates geographic spread & does not measure the severity of influenza activity

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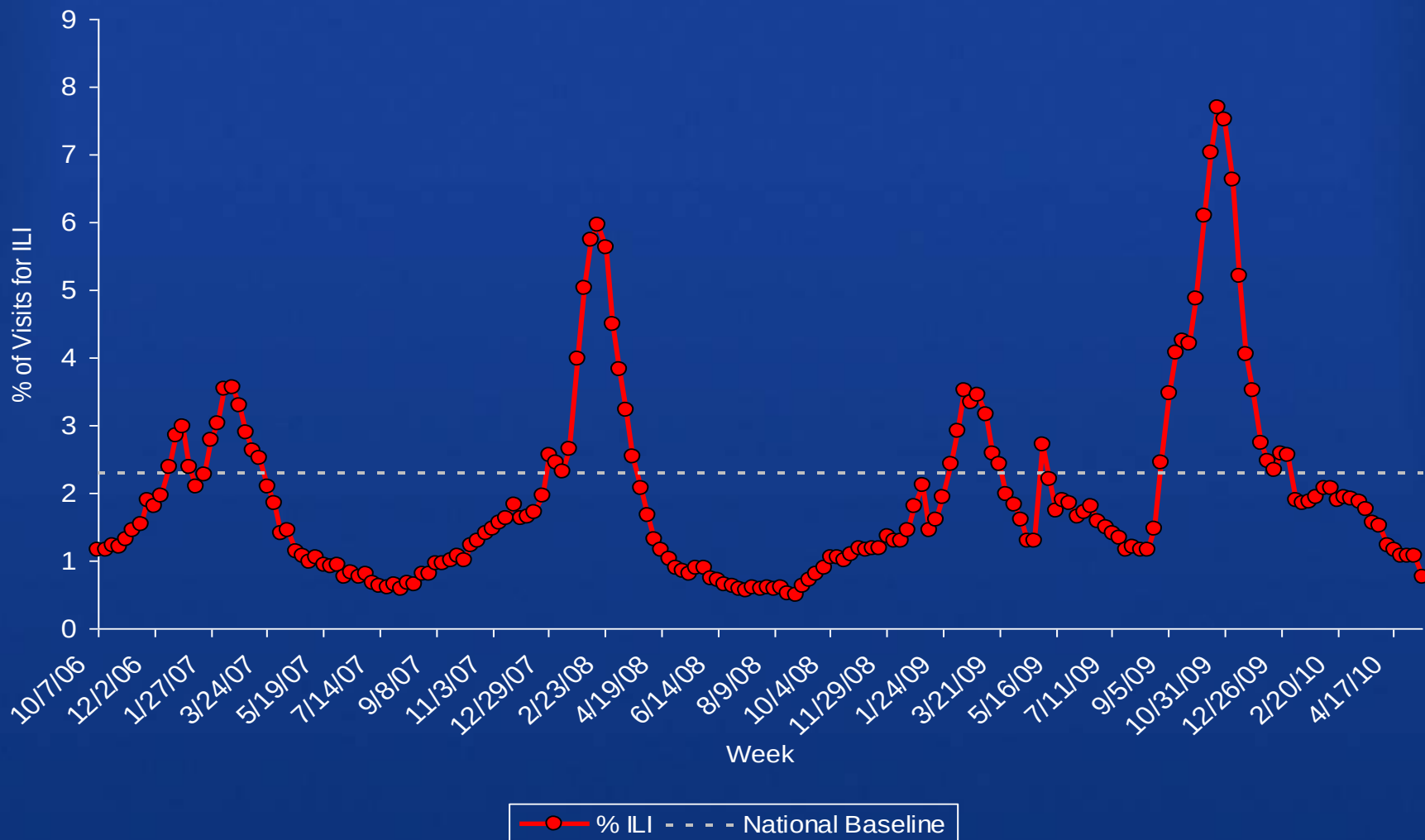
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Epidemiology/Surveillance

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), National Summary October 1, 2006 – May 15, 2010



● % ILI - - - National Baseline

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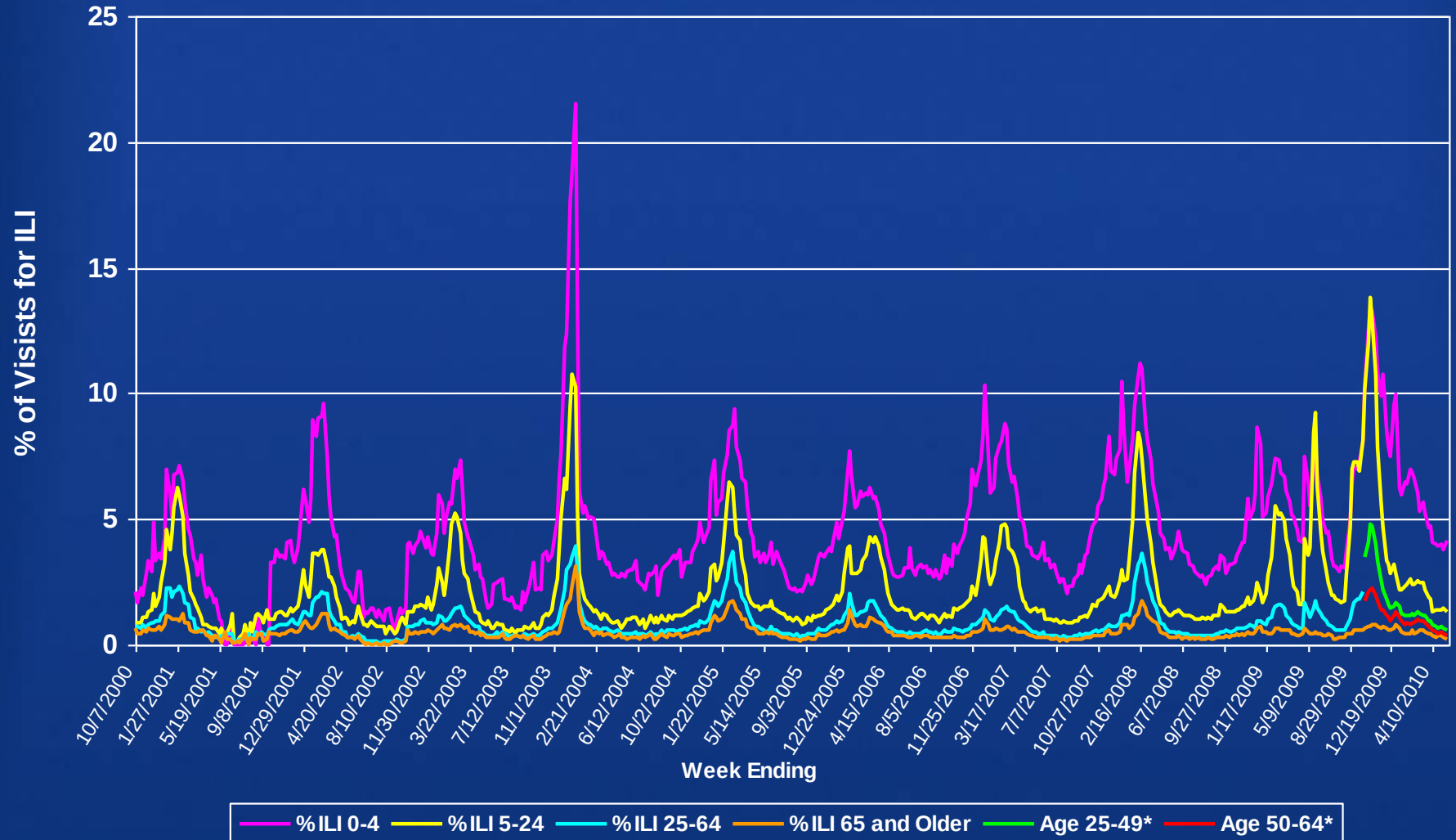
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Epidemiology/Surveillance

Percentage of Visits for ILI Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), National Summary 2000-01 through 2009-10 by Age Group

data as of week ending 15 May, 2010



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* New age categories added October 10, 2009

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National % of All Patients Visiting EDs Who Were Diagnosed with All_Cause_P&I, By Age Groups

Race/Ethnicity: Alaskan/Native American, Asian/Pacific Islander, Black/African American, Caucasian/White, Hispanic, Other

Occupation: All Occupations of Interest

Show Data

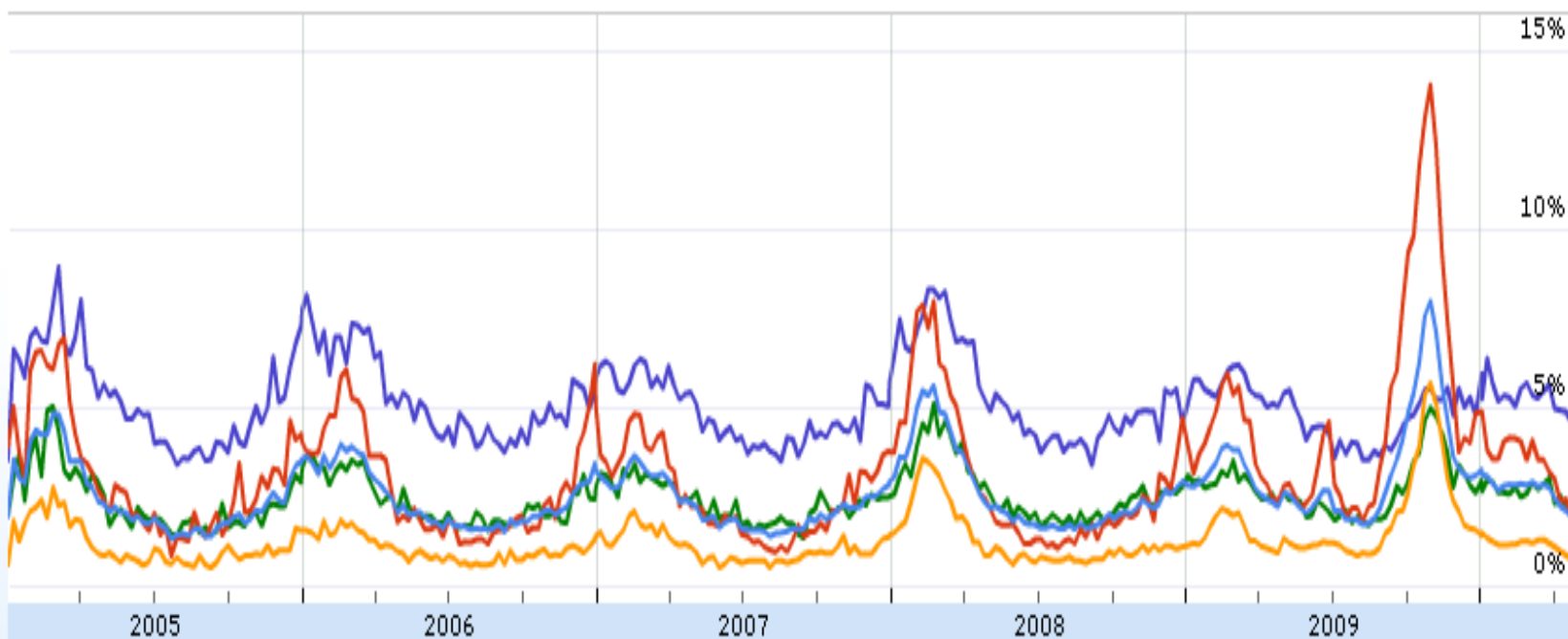
Show Sample Counts

Download CSV

Zoom: 1d 5d 1m 3m 6m 1y Max

April 24, 2010

• [All Ages] 1.84% • [<= 18 years] 1.77% • [19-49 years] 0.74% • [50-64 years] 2.40% • [65+ years] 4.48%



Last Updated: 15-MAY-10

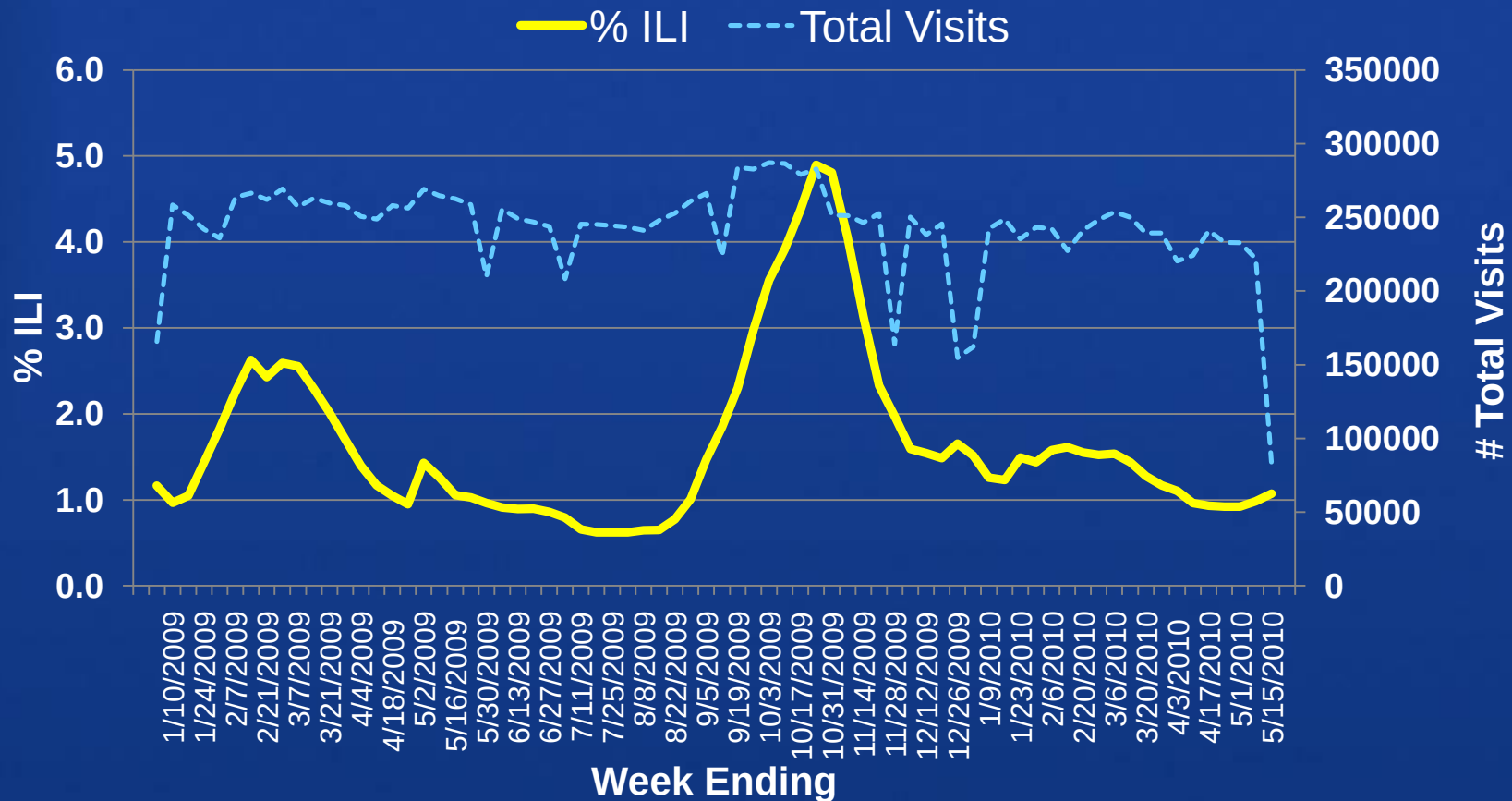
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Percent ILI – GE MQIC Providers United States, January 2009 – 12 May 2010*



*Percent ILI from GE Medical Quality Improvement Consortium (MQIC) Providers: Outpatient EMR from 43 states + DC. Backfill complete within 14 days of visit.



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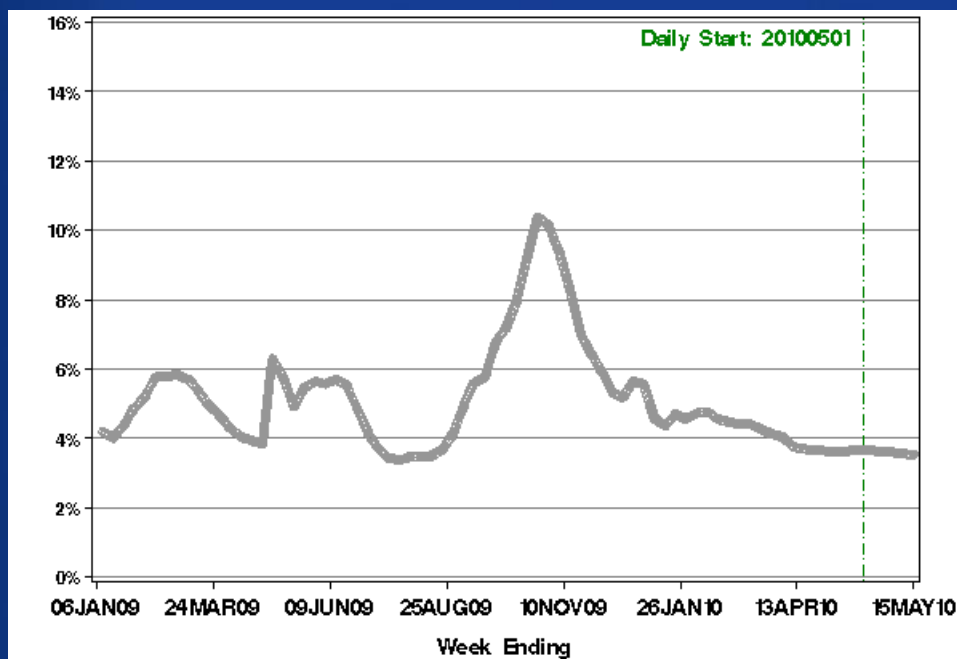
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Health Department Syndromic Surveillance: Distribute Project

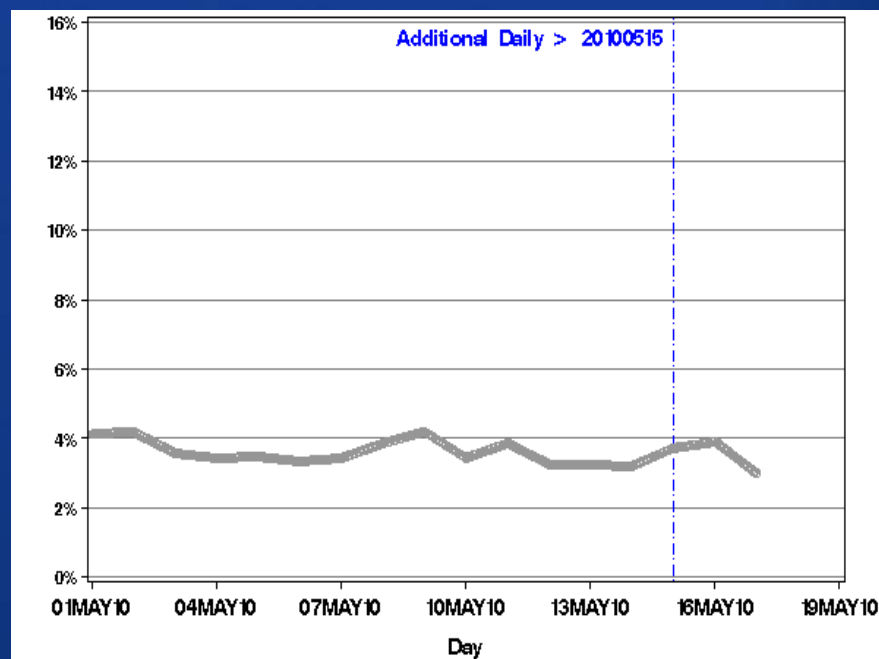
Aggregate Data: 33 Health Departments (Weighted)

% of ED Visits due to ILI
(Weighted Estimate based on Total ED Visits in Jurisdiction, AHA Survey)

By Week, through MMWR Week Ending 15 May 2010



By Day, 1 May 2010 through 17 May 2010
(Vertical line depicts end of weekly view)



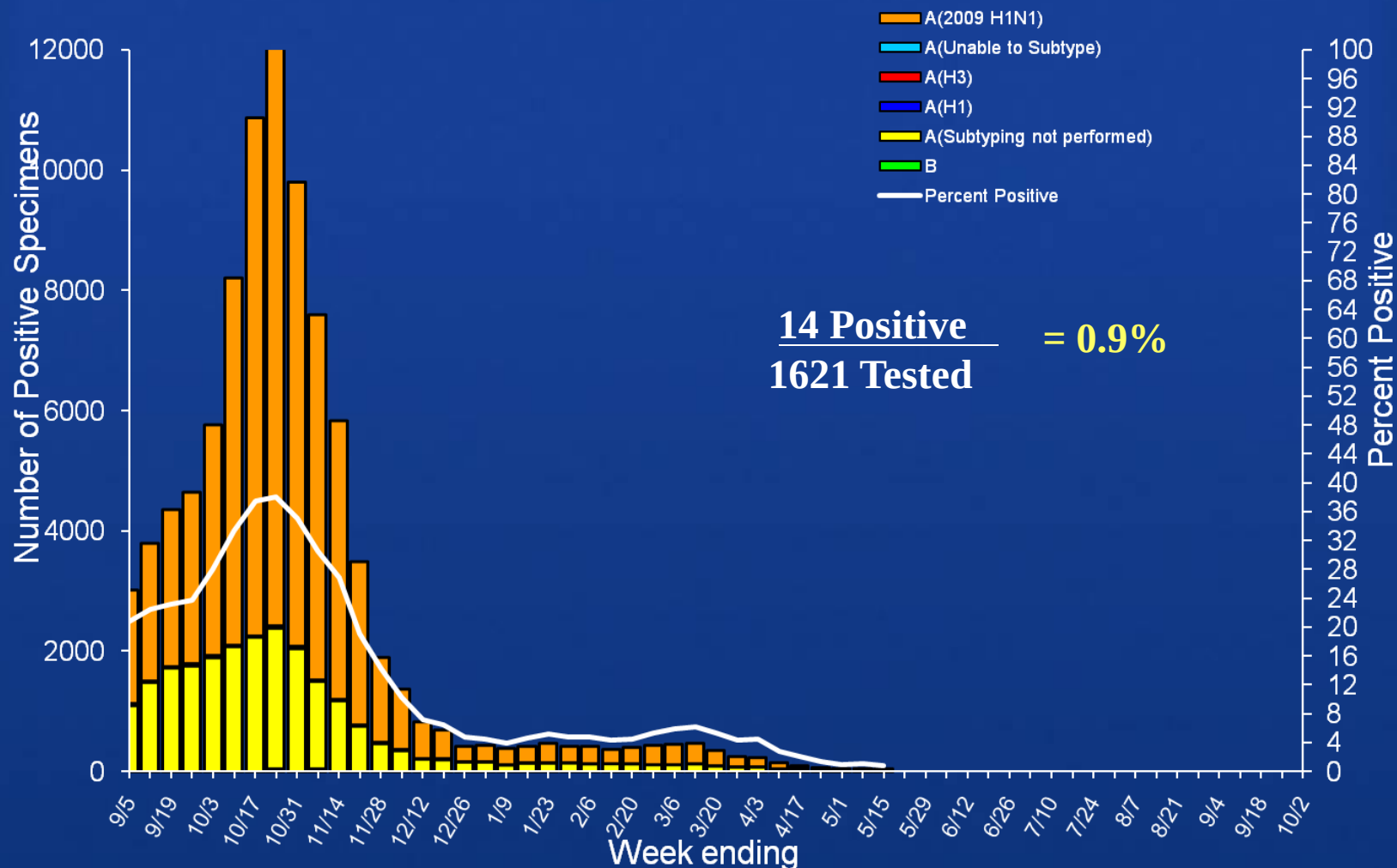
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Epidemiology/Surveillance

U.S. WHO/NREVSS Collaborating Laboratories, National Summary, 2009-10



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Epidemiology/Surveillance

Virologic Surveillance

U.S. Virologic Surveillance: WHO and NREVSS collaborating laboratories located in all 50 states and Washington D.C., report to CDC the number of respiratory specimens tested for influenza and the number positive by influenza type and subtype. The results of tests performed during the current week are summarized in the table below.

	Week 19
No. of specimens tested	1621
No. of positive specimens (%)	14 (0.9%)
<i>Positive specimens by type/subtype</i>	
Influenza A	14 (100%)
A (2009 H1N1)	4 (28.6%)
A (subtyping not performed)	10 (71.4%)
A (unable to subtype)	0 (0.0%)
A (H3)	0 (0.0%)
A (H1)	0 (0.0%)
Influenza B	0 (0.0%)



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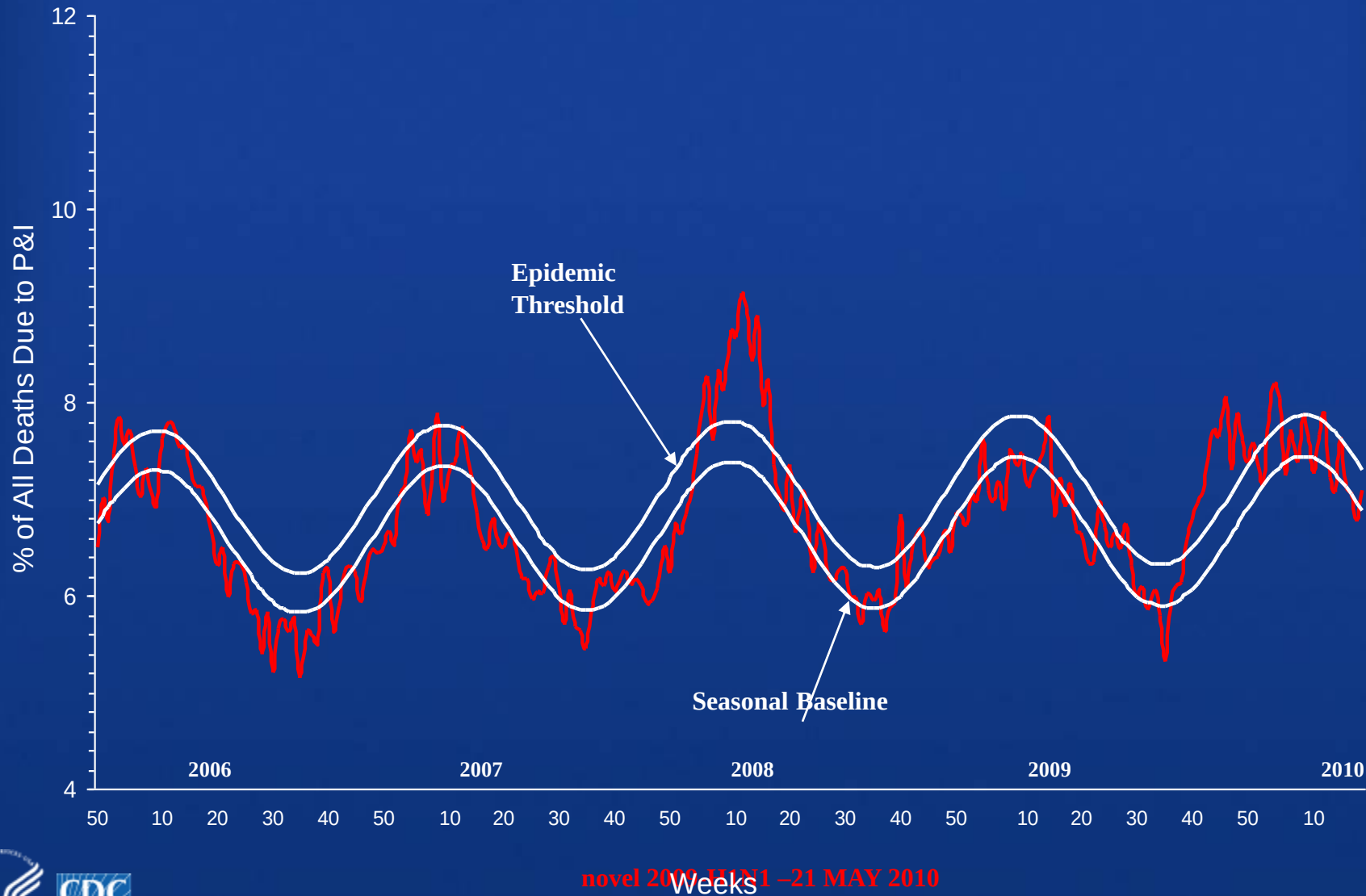
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Epidemiology/Surveillance

Pneumonia and Influenza Mortality for 122 U.S. Cities

Week Ending 15 MAY 2010



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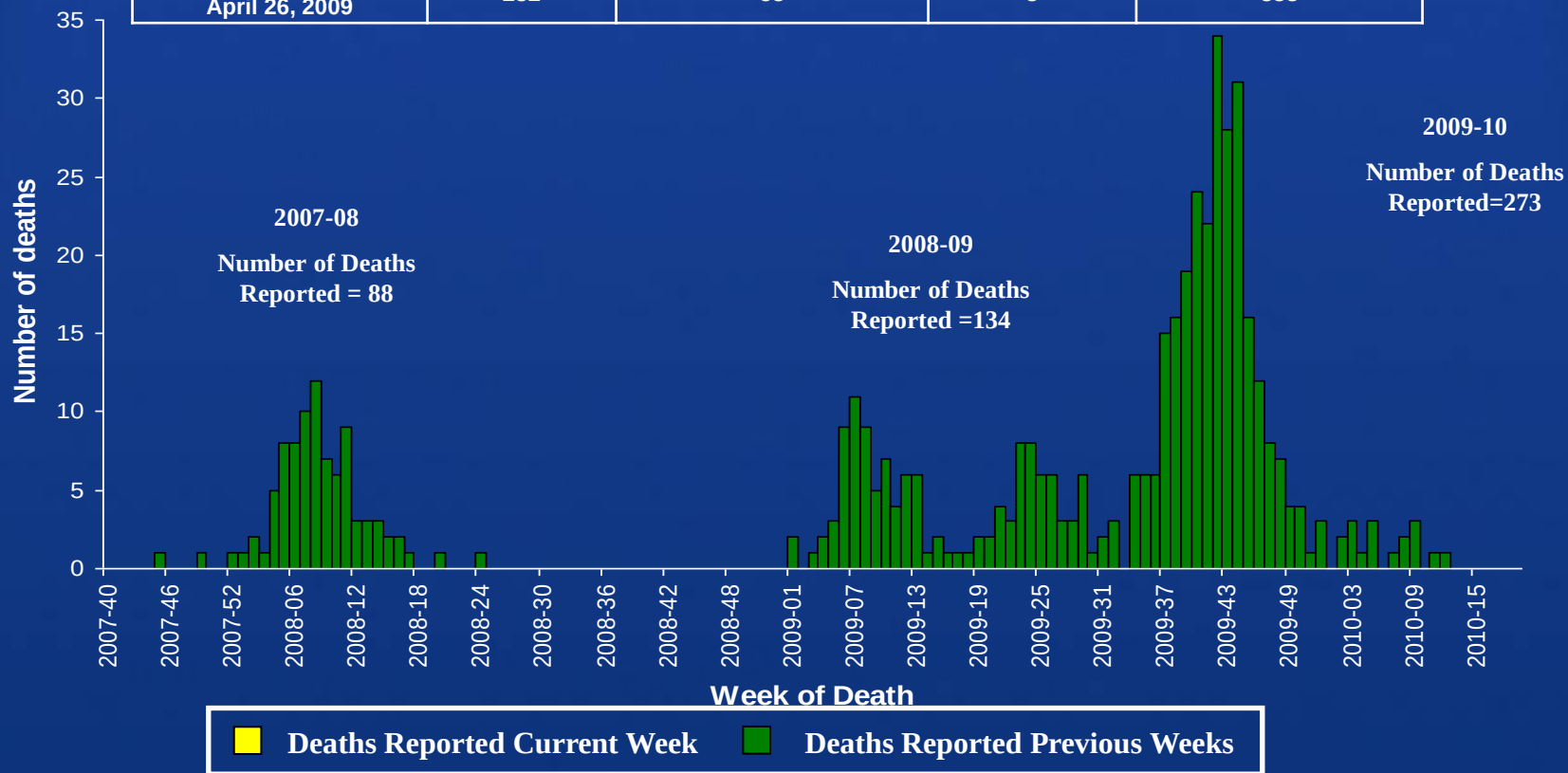
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Epidemiology/Surveillance

Number of Influenza-Associated Pediatric Deaths by Week of Death: 2007-08 season to present

Date	2009 H1N1	Influenza A – Unknown Subtype	Seasonal Flu	Total
# Deaths Current Week – 18	0	0	0	0
# Deaths Since August 30, 2009	222	50	1	273
# Deaths Since April 26, 2009	282	53	3	338



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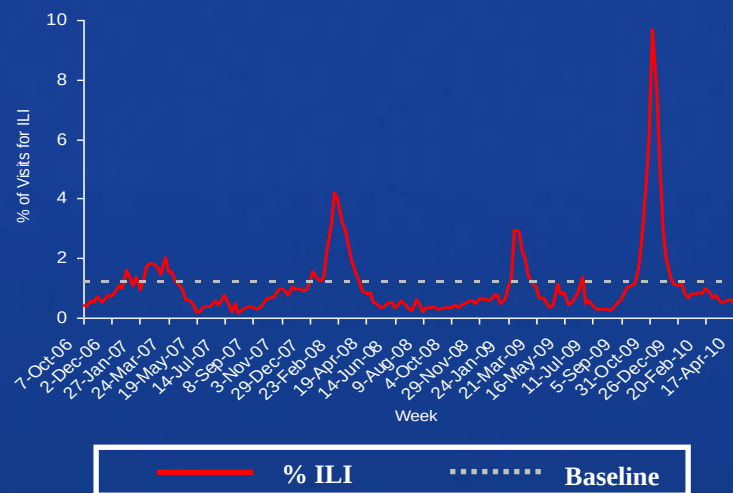
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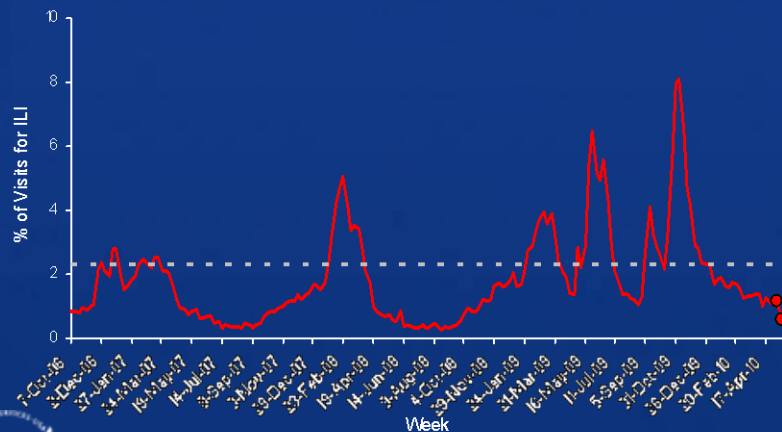
Epidemiology/Surveillance

Current Influenza Surveillance – *ILINet* Regions 1-3

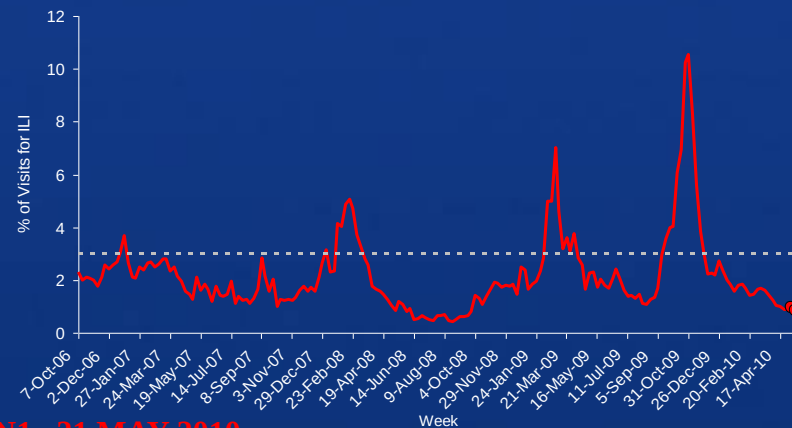
Region 1 - CT, ME, MA, NH, RI, VT



Region 2 - NJ, NY, USVI



Region 3 - DE, DC, MD, PA, VA, WV



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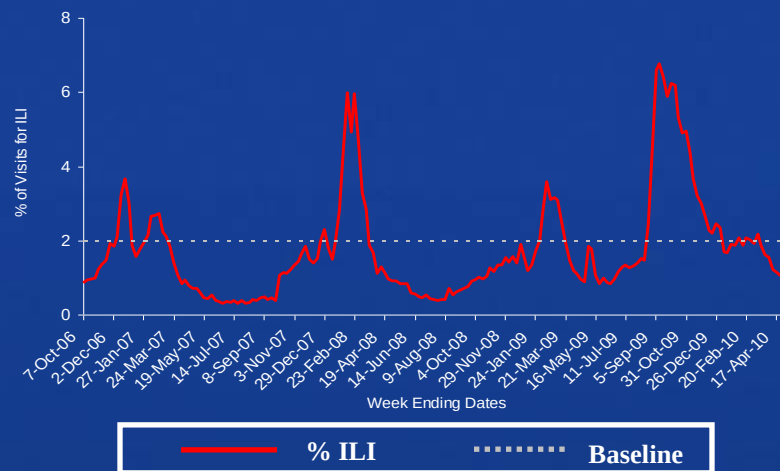
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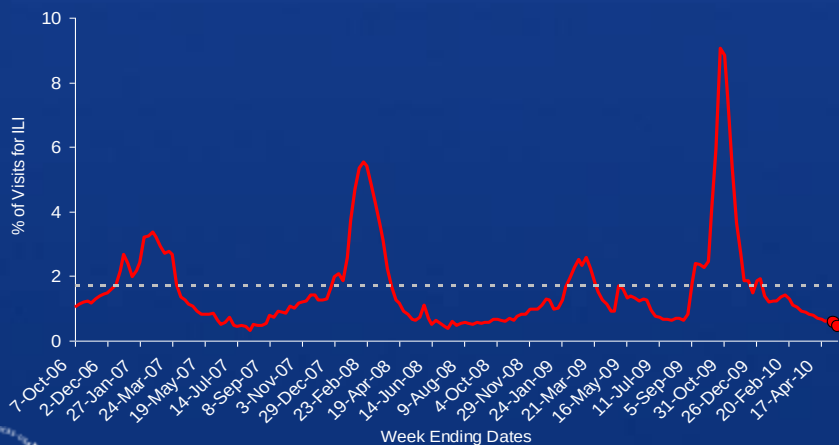
Epidemiology/Surveillance

Current Influenza Surveillance – *ILINet* Regions 4-6

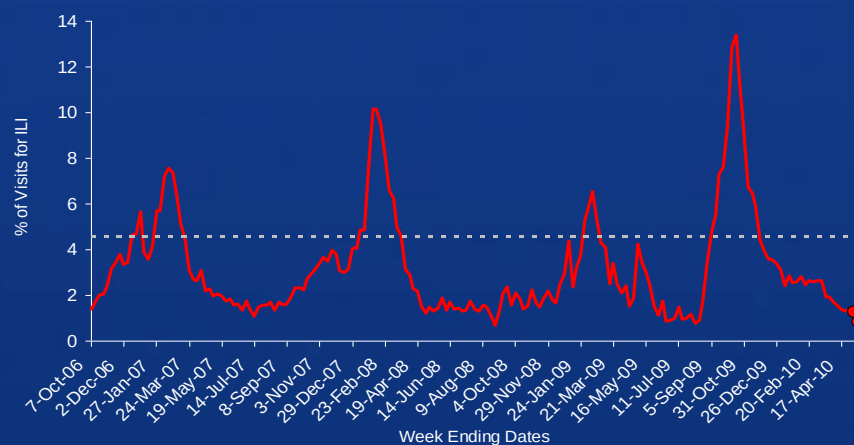
Region 4 - AL, FL, GA, KY, MS, NC, SC, TN



Region 5 - IL, IN, MI, MN, OH, WI



Region 6 - AR, LA, NM, OK, TX



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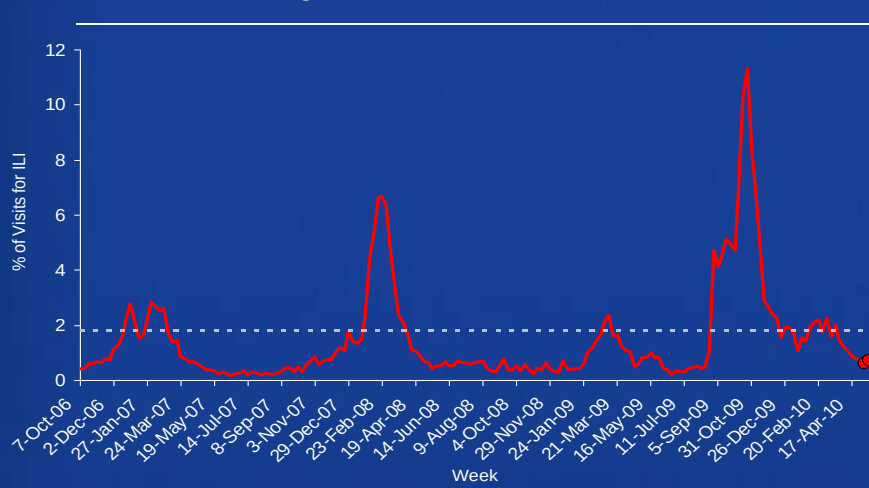
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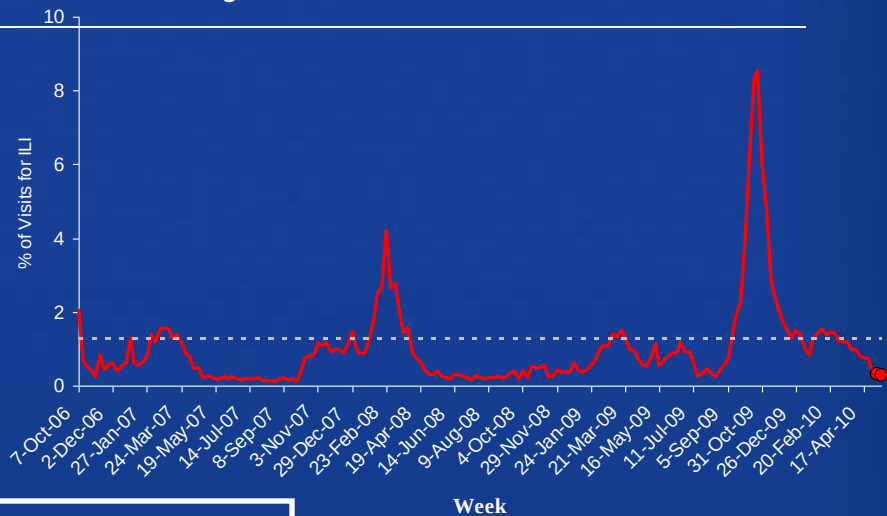
Epidemiology/Surveillance

Current Influenza Surveillance – ILINet Regions 7-10

Region 7 - IA, KS, MO, NE



Region 8 - CO, MT, ND, SD, UT, WY

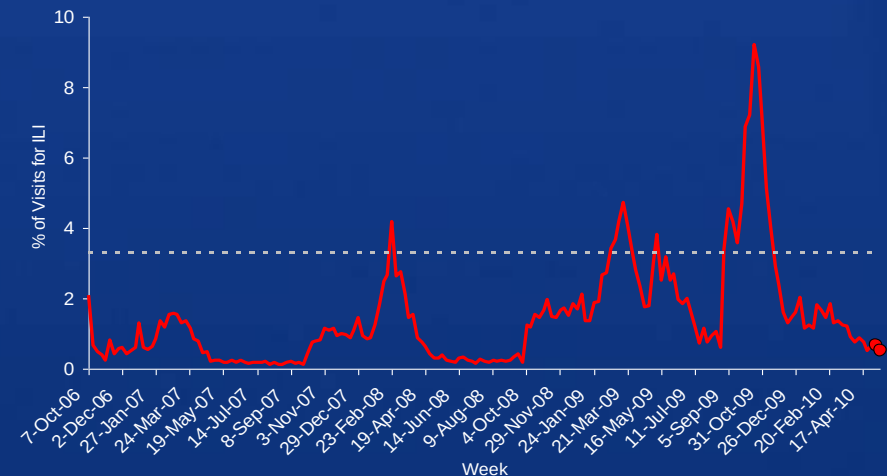


— % ILI Baseline

Region 9 - AZ, CA, HI, NV



Region 10 - AK, ID, OR, WA



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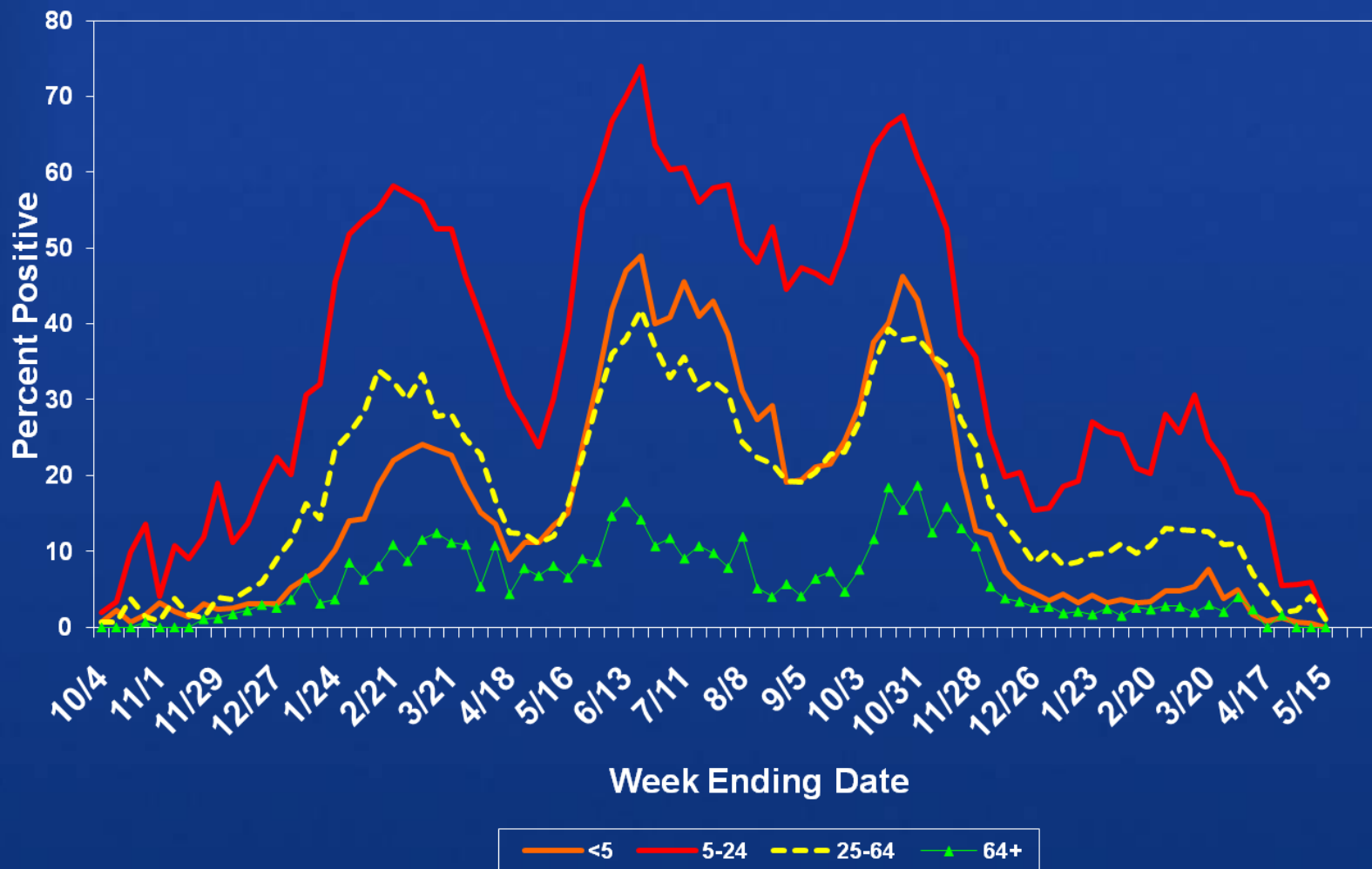
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Epidemiology/Surveillance

Percent of Specimens Positive for Influenza Reported by WHO Collaborating Laboratories: by Week and Age Category



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Health Department Syndromic Surveillance: Distribute Project

Notes to accompany following slides

- For information regarding participating health departments & ILI data from individual health departments, see:
 - CDC Intranet site:
http://nile.cdc.gov:8080/biodocs/biosense_reports/distribute/distribute_viewer.htm
 - International Society for Disease Surveillance public-access site
<http://ISDSdistribute.org>



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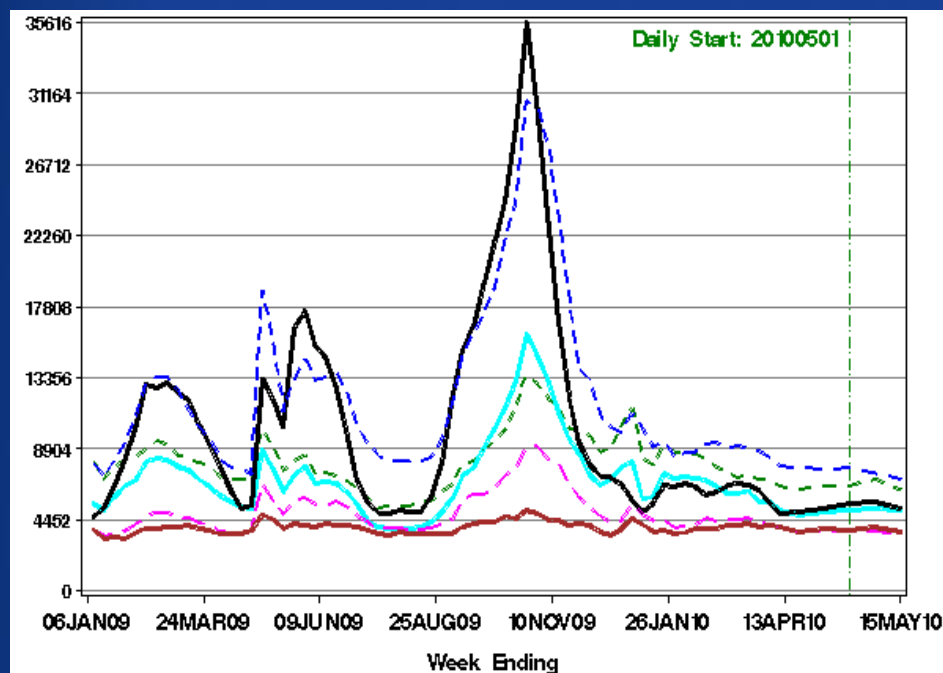
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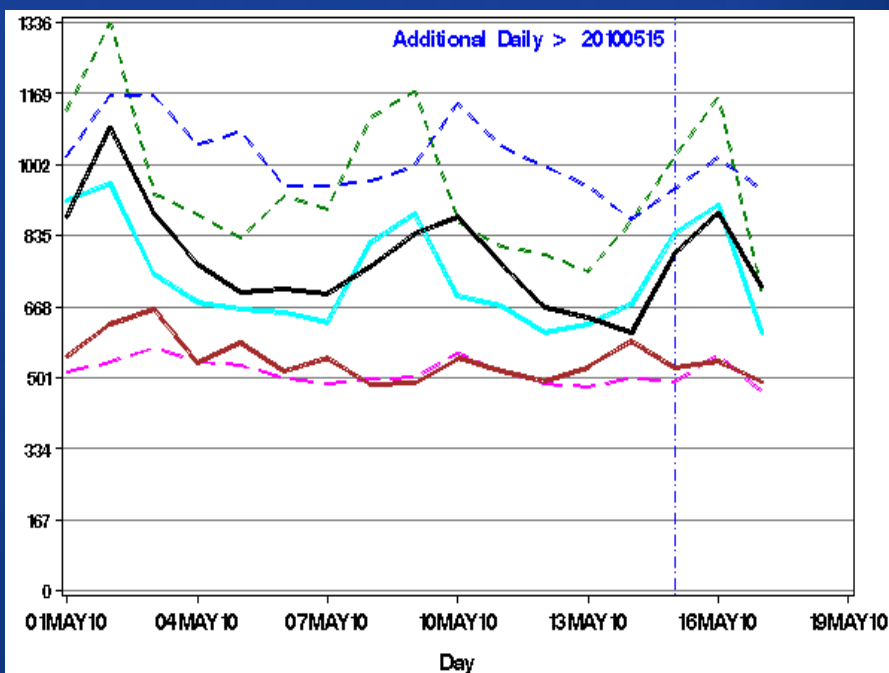
Health Department Syndromic Surveillance: Distribute Project Aggregate Data: 33 Health Departments (with complete reporting through 5/17/10)

Number of ED Visits due to ILI, by Age Group

By Week, through MMWR Week Ending 15 May 2010



By Day, 1 May 2010 through 17 May 2010
(Vertical line depicts end of weekly view)



● Total
 ● <2y
 ● 2-4y
 ● 5-17y
 ● 18-44y
 ● 45-64y
 ● 65+y

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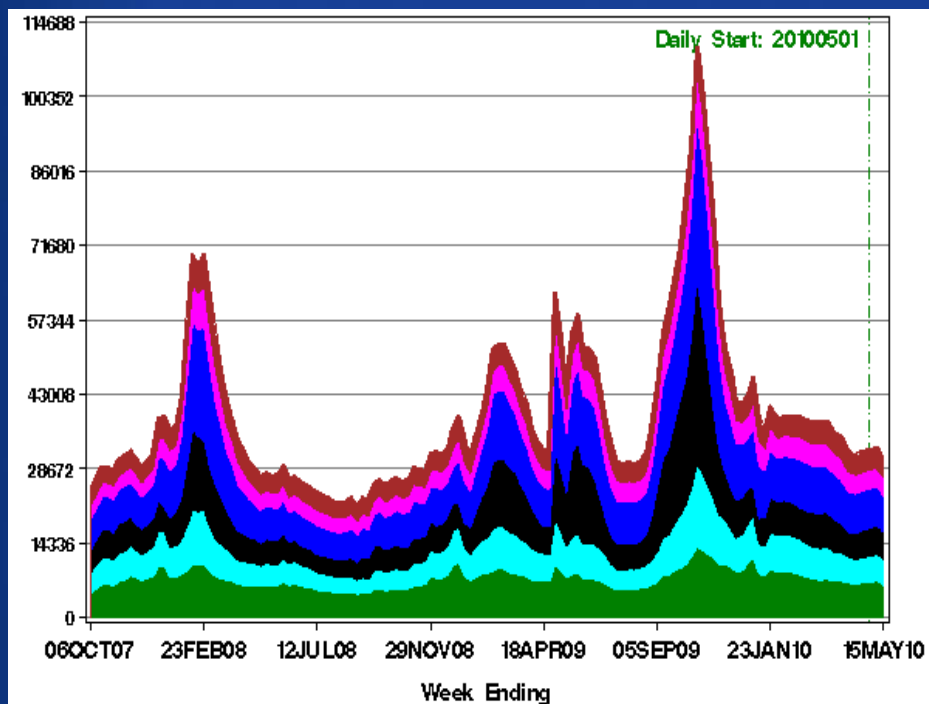
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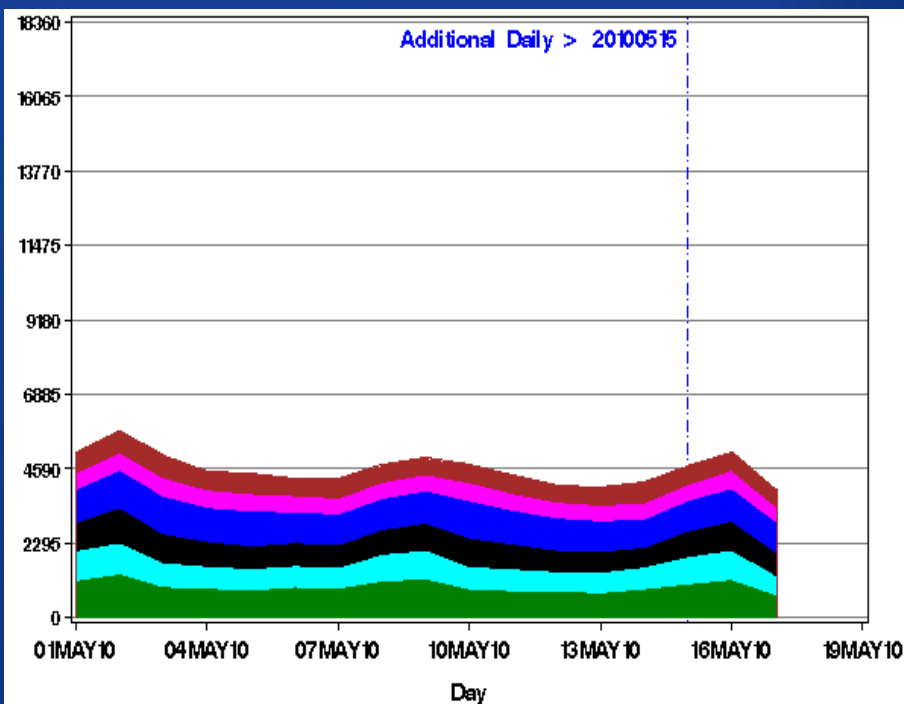
Health Department Syndromic Surveillance: Distribute Project Aggregate Data: 33 Health Departments (with complete reporting through 5/17/10)

Cumulative Number of ED Visits due to ILI, by Age Group

By Week, through MMWR Week Ending 15 May 2010



By Day, 1 May 2010 through 17 May 2010
(Vertical line depicts end of weekly view)



—●— Total —●— <2y —●— 2-4y —●— 5-17y —●— 18-44y —●— 45-64y —●— 65+y

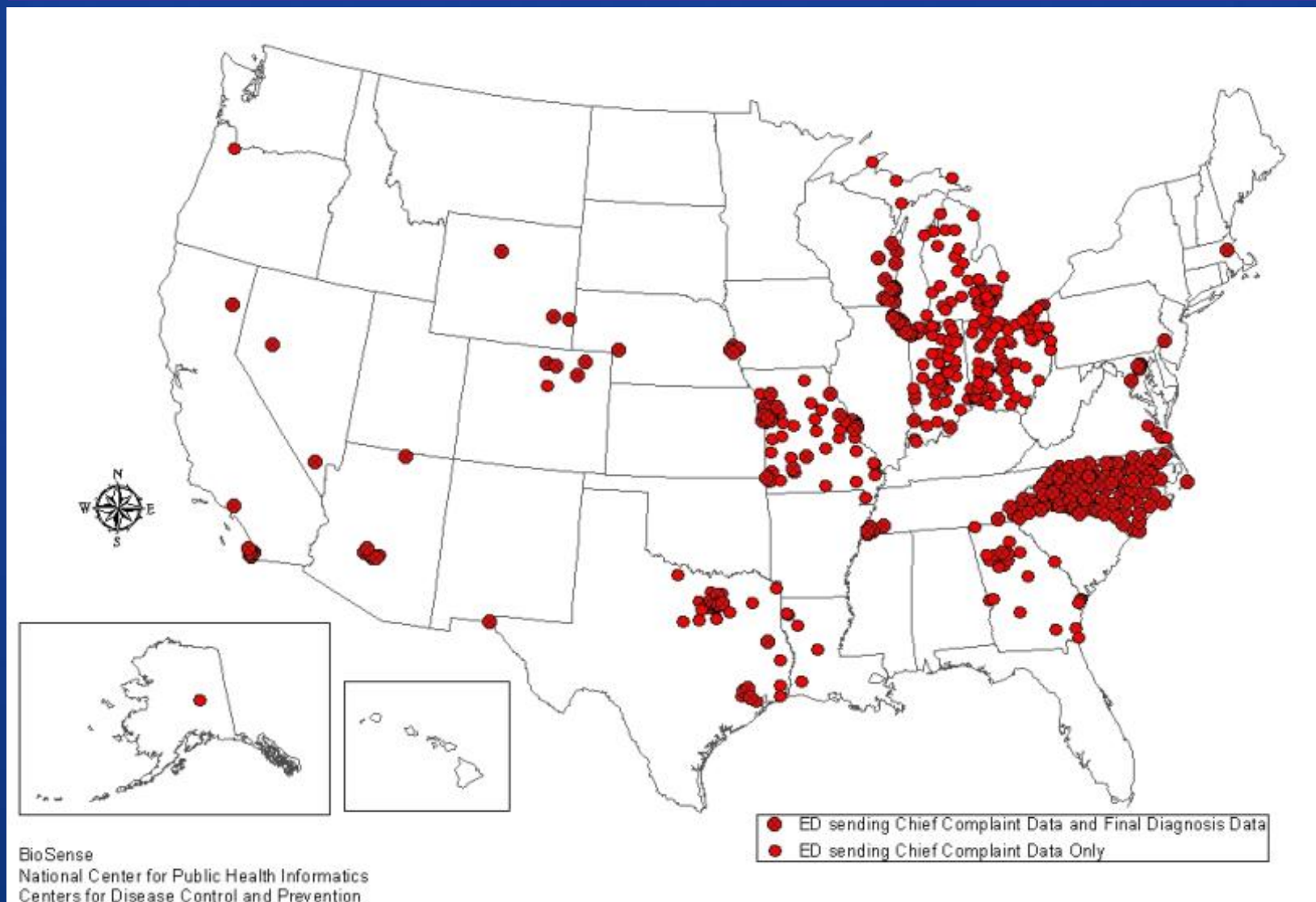
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BioSense

Location of BioSense Emergency Departments (ED) (N=569)



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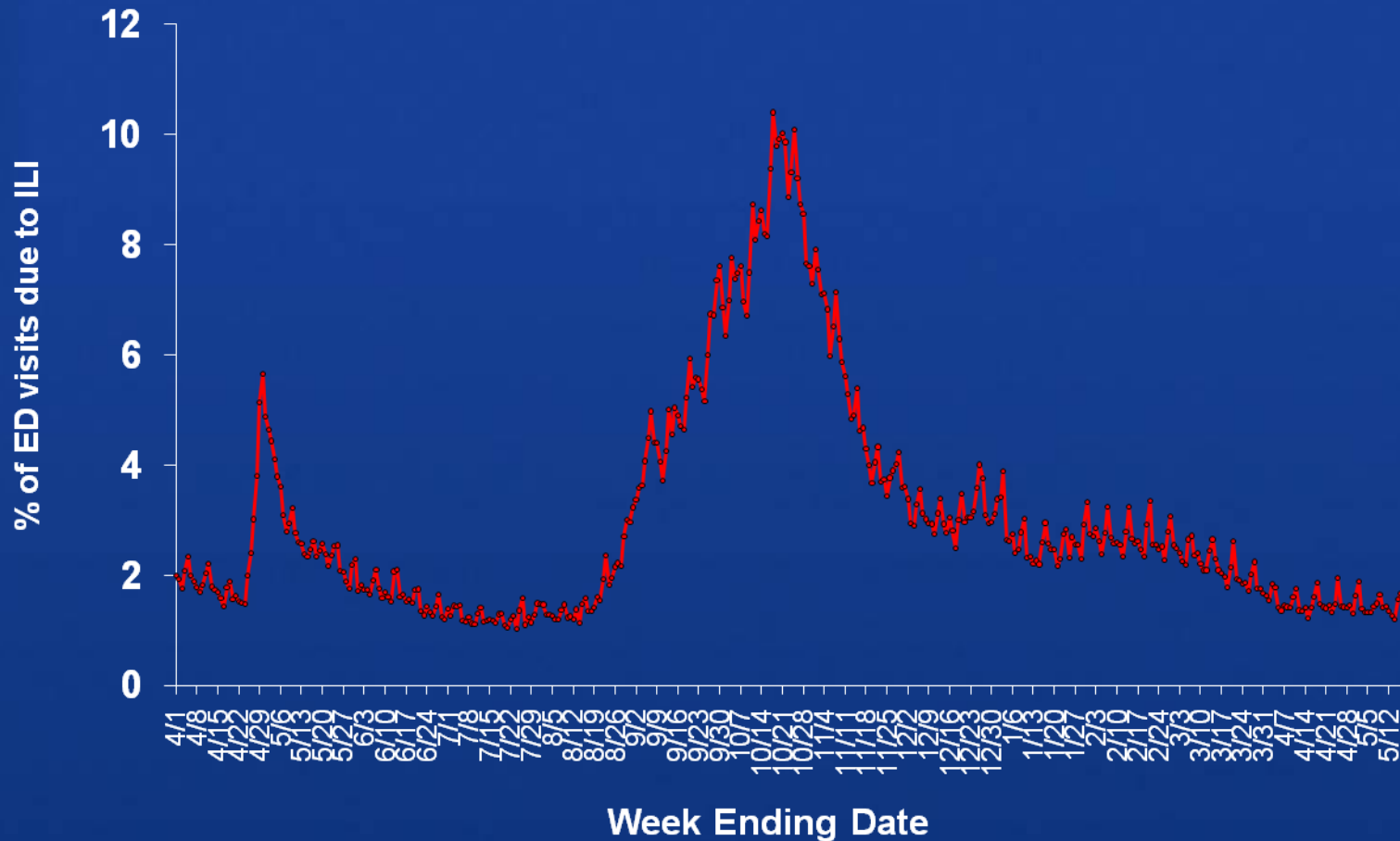
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BioSense

BioSense Emergency Departments (N=569) % of ED Visits due to ILI: U.S., April 1, 2009 to May 17, 2010



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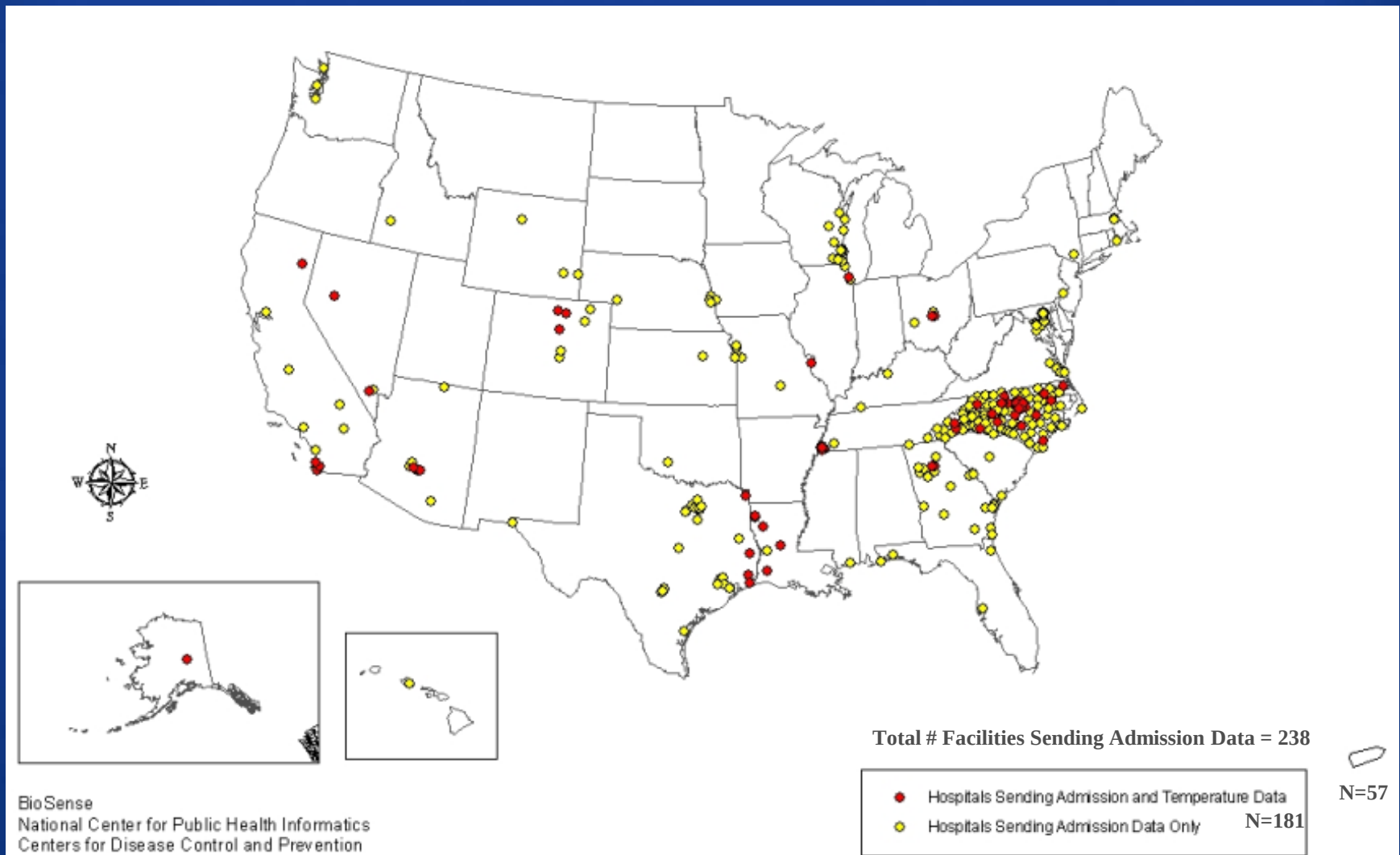
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BioSense

Location of BioSense Emergency Dept. Sending Temperature and/or Disposition Data



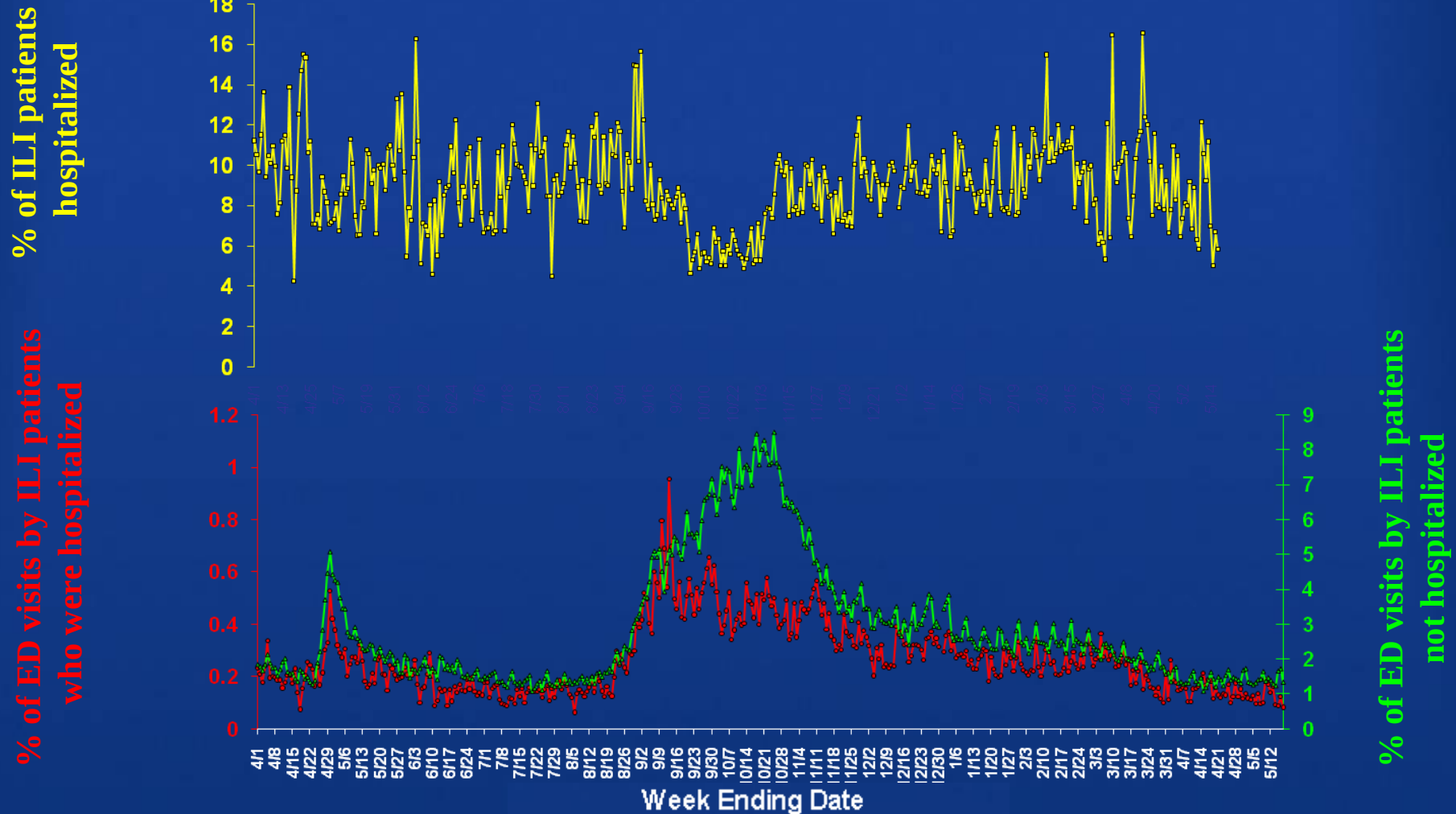
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BioSense

BioSense Emergency Departments (N=238) % of ED visits due to ILI and % of ILI patients hospitalized: U.S., April 1, 2009 to May 17, 2010



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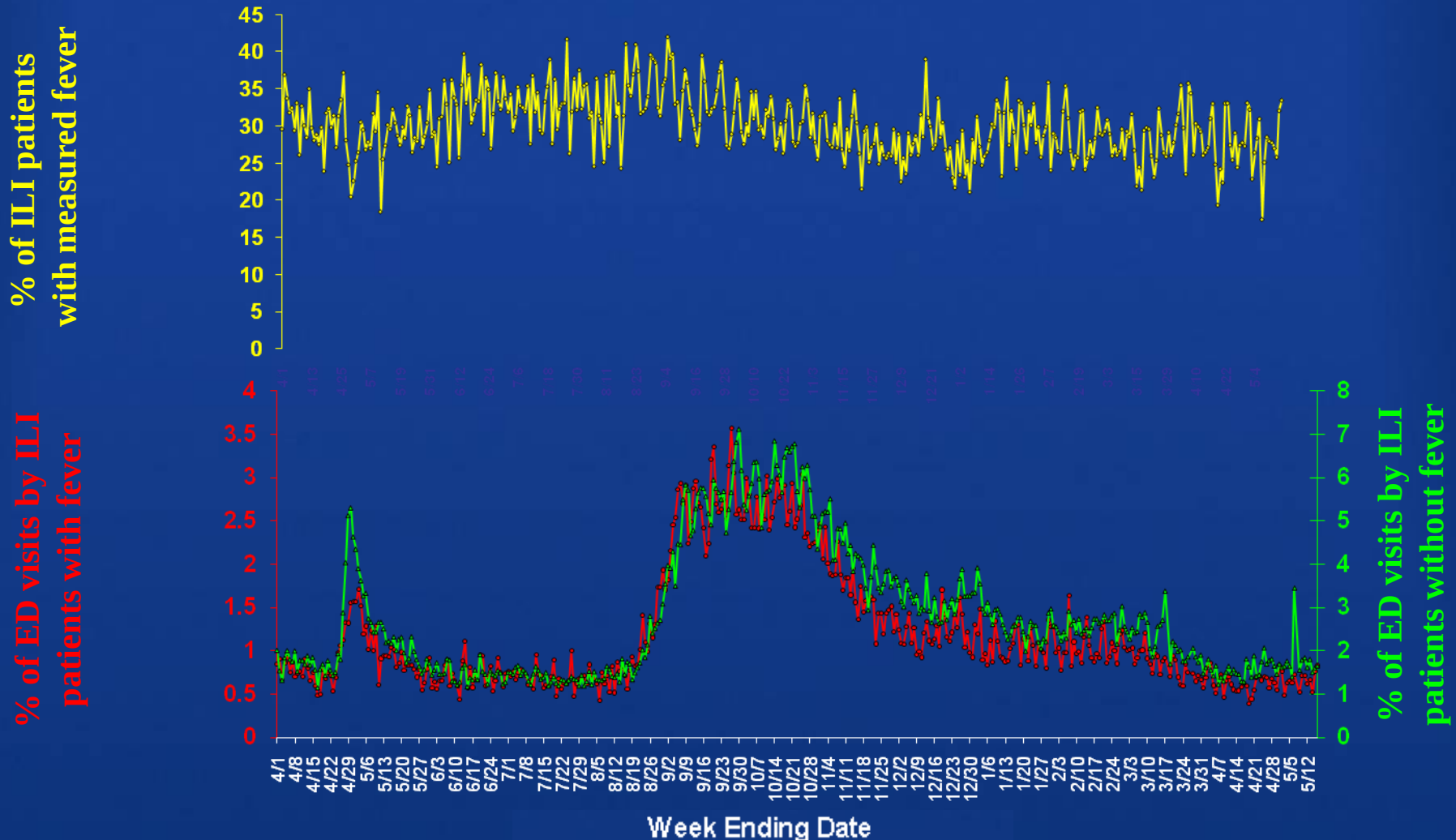
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BioSense

BioSense Emergency Departments (N=57) % of ED visits due to ILI and % of ILI patients with fever: U.S., April 1, 2009 to May 16, 2010



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Joint Information Center (JIC)
2009 H1N1 Headlines: May 20, 2010



2009 H1N1 Headlines (5/13-5/20)

**China Agrees to Resume Pork Imports From
US, USDA Unit Says (5/14)**

**Reasons for Balking at Swine Flu Shot
(5/20)**

**Medco report finds big jump in child
prescriptions (5/19)**

**Expert panel to view confidential swine flu papers
(5/19)**

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