



Director's Update Briefing Thursday

14 May 2009 0800 EDT Day 27

The Day of Family



Novel Influenza A (H1N1) Key Events 14 May 2009



• Novel Influenza A (H1N1) Declarations

- HHS: Downgraded to Phase 1 Awareness (9 May 2009)
- WHO: Pandemic Phase 5 (29 Apr 1600 EDT)
- USG: Public Health Emergency declared (26 Apr 2009)
- SLTT Declarations: 10
 - CA, TX, WI, FL, NE, VA, MD, IA, OH, American Samoa
- US Cases:
 - Confirmed/Probable: 4,298 cases (1342), 46 States + DC
 - Total Deaths 3: (2-TX, 1-WA)
- International Cases: 6,497 in 33 Countries
 - National Declarations 5
 - Ecuador, Costa Rica, Colombia, Mexico, Guatemala
- Deployments: 107 deployed, 3 pending



Epidemiology/Surveillance Team Novel Influenza A (H1N1) Cases as of 14 May 2009 1100 EDT (page 1 of 2)



		Total Conf. + Prob.		
State	HHS	Cases	Hosp	Dead
AK	X	0	0	0
AL	IV	41	0	0
AR	VI	1	0	0
AZ	IX	431	10	0
CA	IX	473	27	0
CO	VIII	47	5	0
СТ		38	0	0
DE	- 111	58	1	0
FL	IV	65	7	
GA	IV	36	0	0
HI	IX	10	0	0
IA	VII	58	0	0
ID	X	5	0	0
IL	V	620	26	0
IN	V	70	0	0
KS	VII	28	3	0
KY	IV	13	0	0
LA	VI	45	1	0
MA		109	8	0
MD		28	0	0
ME		13	1	0

		Total Conf. + Prob.		
State	HHS	Cases	Hosp	Dead
MI	V	141	9	0
MN	V	34	2	0
MO	VII	20	2	0
MS	IV	0	0	0
MT	VIII	5	0	0
NC	IV	12	1	0
ND	VIII	1	0	0
NE	VII	23	1	0
NH		18	0	0
NJ	- 11	12	0	0
NM	VI	51	0	0
NV	IX	25	1	0
NY		224	10	0
OH	V	12	1	0
OK	VI	22	1	0
OR	X	94	4	0
PA		50	0	0
RI		8	0	0
SC	IV	34	0	0
SD	VIII	5	0	0
TN	IV	63	2	0

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Epidemiology/Surveillance Team Novel Influenza A (H1N1) Cases as of 14 May 2009 1100 EDT (page 1 of 2)



		Total Conf. + Prob.		
State	HHS	Cases	Hosp	Dead
ТХ	VI	439	15	2
UT	VIII	80	2	0
VA		20	1	0
VT		1	0	0
WA	X	195	5	1
WI	V	510	6	0
WV	Ξ	0	0	0
WY	VIII		0	0
Total		4288*	152	3
States				
Affected		46	26	2

DC III	10	1	0
US TOTAL	4298*	153	3
Cases INCL Total SLTT	47	27	2
Affected			-



Epidemiology/Surveillance Change in daily H1N1 case reports as of 14 May 2009 1100 EDT



• States were given the option to report aggregate numbers (instead of line listing) beginning May 13, 2009

- The following variables are collected (by age group)
 - Total # of "confirmed or probable"* cases
 - Total # of cases hospitalized
 - Total # of deaths
- 5 states and New York City began using the aggregate reporting system on May 13, 2009

Connecticut, Georgia, Illinois, Kentucky, Louisiana

 7 states plan to begin aggregate reporting May 14, 2009
 Arizona, Indiana, Massachusetts, Mississippi, New Jersey, Oregon, Texas

*CDC will no longer be able to differentiate between "confirmed" and "probable" cases in aggregate reports; also, onset date will not be available



Epidemiology/Surveillance Descriptive Epidemiology of Hospitalized Confirmed Cases of Novel H1N1 Influenza (n=132) as of 14 May 2009



- 67 female (51%), 65 male (49%)
- Median age: 17 years (range: 1 month-87 years)
- Underlying medical conditions (n=44):
 63% (median age: 18 years)
- Median time from illness onset to hospital admission (n=32): 4 days (range: 1-13 days)
- Median length of hospital stay (n=32): 5 days (range 2-31)



Epidemiology/Surveillance Descriptive Epidemiology of Hospitalized Confirmed Cases of Novel H1N1 Influenza Indicators of Severity



- 24% (20/85) were admitted to the ICU
 - 9 required mechanical ventilation; 6 had ARDS
 - 4 required pressor support
 - 1 person had septic shock and is recovering
 - 1 had cardiogenic shock after myocardial infarction
- Three deaths
 - Infant with multiple medical problems including chronic hypoxia
 - Pregnant woman with underlying illness
 - Man in late 30s with unclear past medical history, died of sudden death





- Assessment:
 - New cases continue to be reported although rate appears to have slowed
 - Relative impact of decreased disease transmission vs. decreased testing is unknown
 - Epidemiology of novel H1N1 cases appears unchanged
- Plan:
 - Adjust daily surveillance reports to clearly reflect increased use of aggregate reporting by states
 - Continue to follow up special studies currently ongoing in 7 states and municipalities



Epidemiology/Surveillance Current Influenza Surveillance -as of 14 May 2009; 1100 EDT

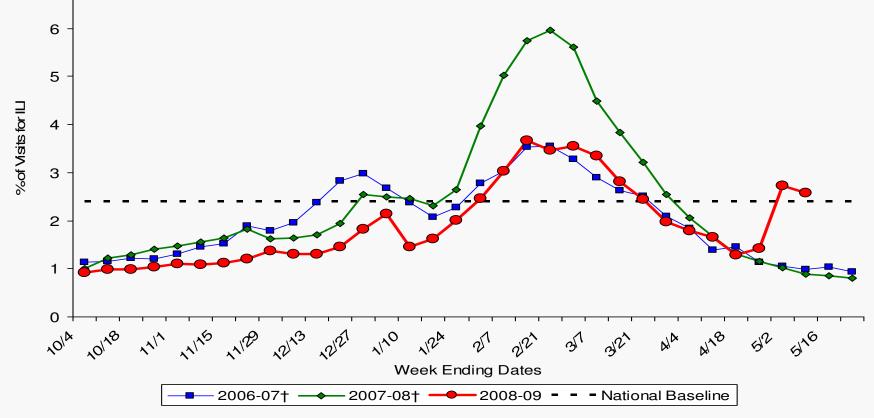


- WHO/NREVSS Collaborating Laboratories (graph as of 5/13/2009)
 - Seasonal inf. A (H1), A (H3), and B viruses co-circulated with novel inf (H1N1)
- Influenza-associated Pediatric Deaths
 - No new influenza-associated pediatric death were reported
 - 2008-09 season total = 60
- 122 Cities Mortality Reporting System (graph as of 5/13/2009)
 - % of P&I deaths did not exceed the epidemic threshold for week ending 5/9/09
 - % of P&I deaths remains stable, based upon daily mortality reports
- ILINet (graphs by region, EARS analysis as of 5/13/2009)
 - week ending 5/9/2009, % of ILI outpatient visits was above the national baseline
 - Overall, % of outpt visits for ILI decreased slightly, based upon daily ILI reports
- Geographic Spread of Influenza as Assessed by State and Territorial Epidemiologists
 - The influenza activity reported by state and territorial epidemiologists indicates geographic spread of both seasonal influenza and novel influenza A (H1N1) viruses and does not measure the severity of influenza activity.
 - 6 states reported widespread activity, 14 states reported regional activity, the District of Columbia and 15 states reported local influenza activity; 13 states reported sporadic influenza activity, and two states did not report.

Epidemiology/Surveillance Current Influenza Surveillance – ILINET 14 May 2009



Percentage of Visits for Influenza-like Illness (ILI) Reported by the US Outpatient Influenza-like Illness Surveillance Network (ILINet), National Summary 2008-09 and Previous Two Seasons



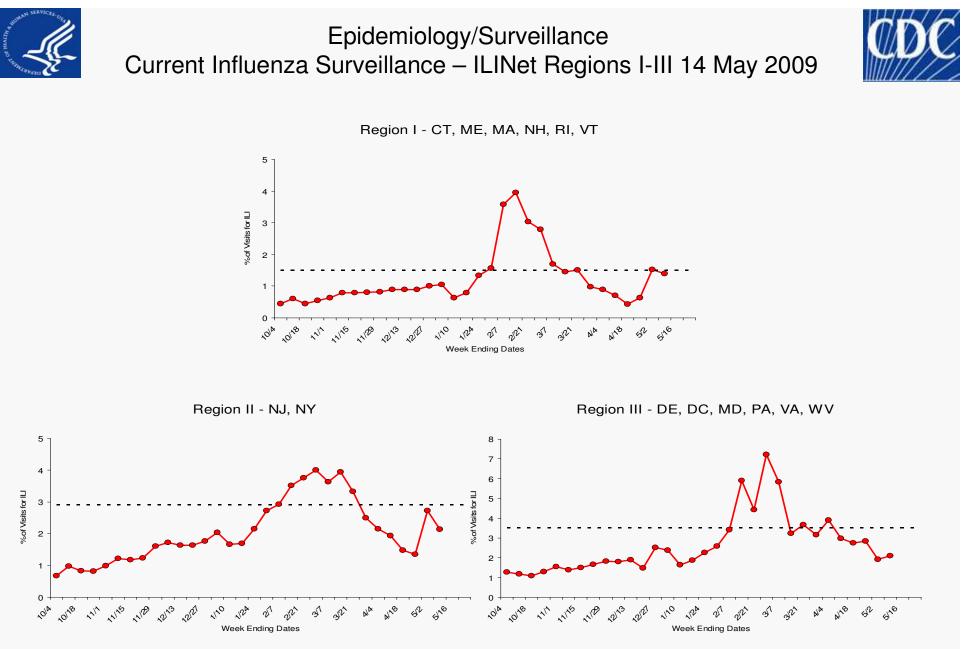
NOTE: Week ending dates vary by influenza season

7

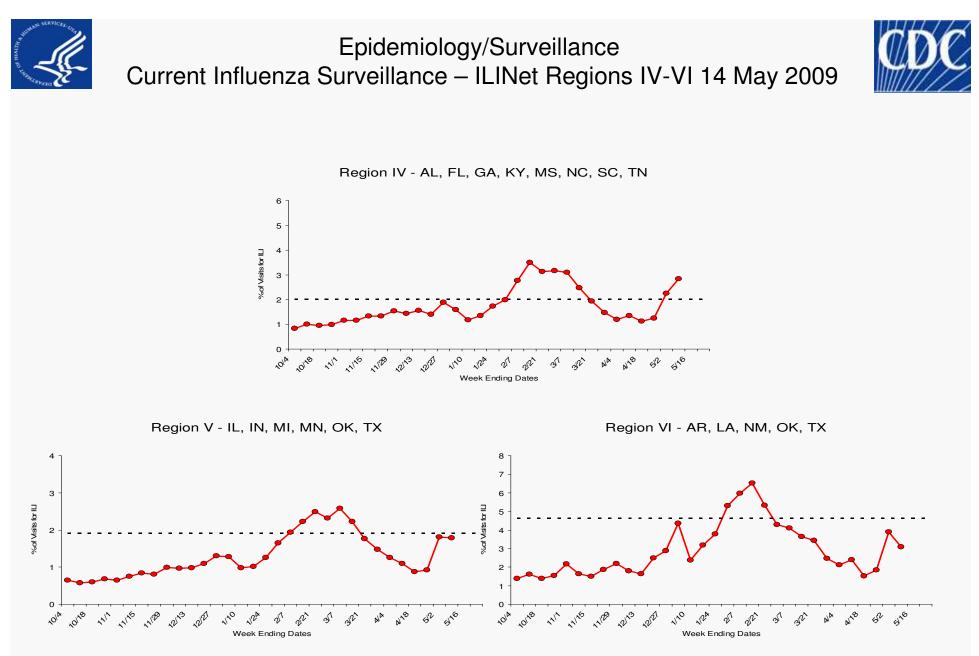
*Preliminary ILI data for week 18, as of May 12, 2009 (n=831 weekly ILI reports received from 47 states)

† There was no week 53 during the 2006-07 and 2007-08 seasons, therefore the week 53 data point for those seasons is an average of weeks 52 and 1.

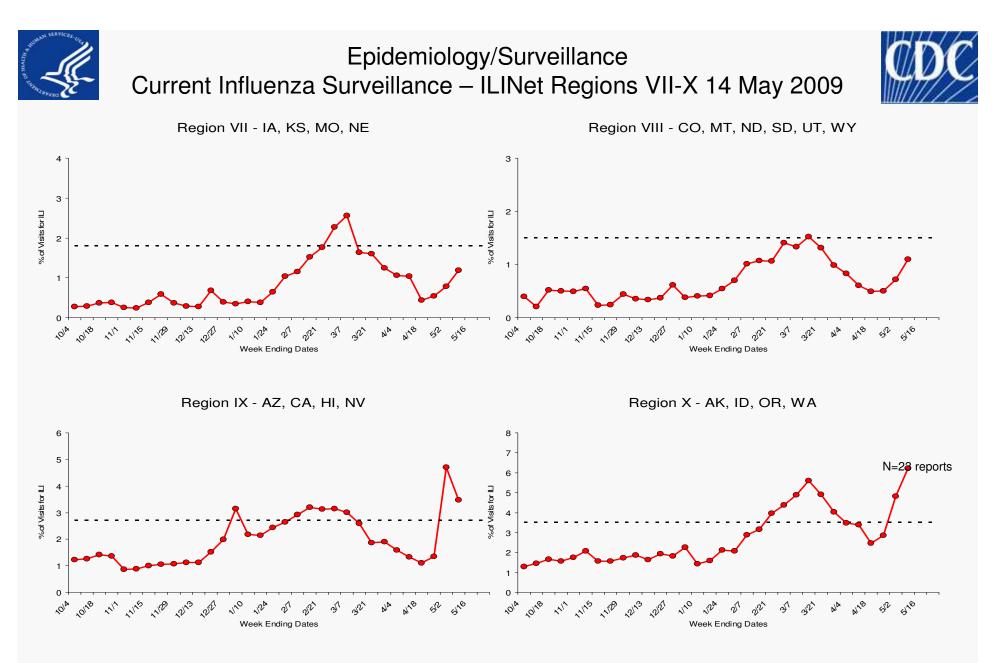
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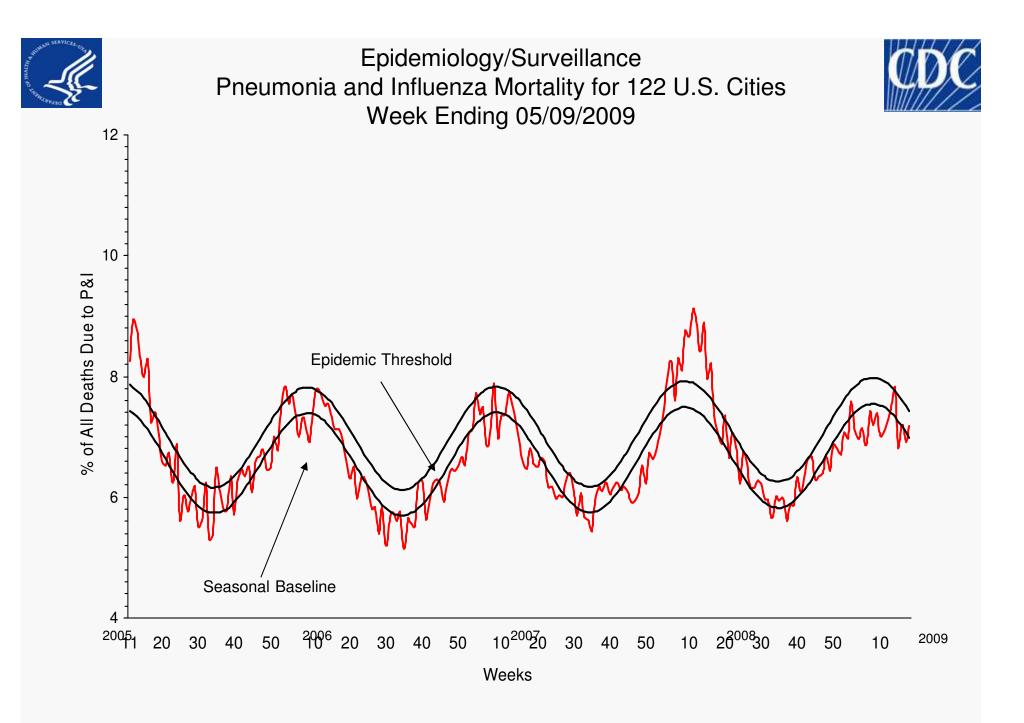
NOTE: Scales differ between regions



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- WHO global case count: 6497 confirmed cases in 33 countries*
 - New countries with confirmed cases:
 - Countries with highest confirmed case count after the US and Mexico:
 - Canada: 389 Cases (↑41) Spain: 100 (↑2) UK: 71 (↑3), Panama: 29 (=)
- Cases in newest countries to confirm novel H1N1 (Cuba, Finland, Norway, Thailand) all have travel history to Mexico
 - Cuba case returned on 4/25, others were more recent

*Note: WHO case counts are current as of 05/14/09, 6:00 am EDT



Laboratory Novel Influenza A (H1N1) - 14 May 2009



- Laboratories validated for RT-PCR Influenza Panel: 38
- 8 States with Multiple sites
- APHL Survey: 20 States with no backlog
- 1 State with backlog exceeding 7500 samples
- 9 states accepting and testing all specimens
- CDC has moved into survey status for U.S. and still receiving samples for confirmation and international verification

These data are considered provisional and preliminary and will not be officially released by the CDC until 1100 EDT.



Vaccine Novel Influenza A (H1N1) - 14 May 2009



- 54 of 62 PHEP Project Areas have confirmed their vaccine ship-to sites (870 total ship-to sites)
- Federal Immunization Task Force meeting today to discuss vaccine safety
- ACIP pneumococcal workgroup concluded series of discussions on the use of PPS vaccine
 - At this time will be reemphasizing exiting recommendations for high risk individuals
 - More specific and detailed summary in draft



Division of Global Migration and Quarantine Novel Influenza A (H1N1) - 14 May 2009



• Ports of Entry (POEs)

- Total 174 response events, 19 confirmed with H1N1 after referral at POE (May 13)
- Maritime –Serenade of the Seas, 2 ILI cases among crew, ship boarded May 12 by 2 Quarantine Officers while at port in Sitka, AK
 - Interviewed cases (2), review medical logs, completed environmental assessment
 - Shipboard protocols appropriate and being followed correctly
- Cruise Line International Association (CLIA) and CDC Quarantine Branch Maritime Activity developing standards for entry screening, ILI management for passenger and crew, and PPE guidance

Community Mitigation (CM)

- Epi-Aids: NPI Seattle, NY, Chicago, Delaware
- Mexico Community Mitigation protocol being finalized for IRB review at CDC and Insituto Nacional de Salud Publica (INSP)



Communications Summary Novel Influenza A (H1N1) - 14 May 2009



19

Channel Traffic

- Web Page Views: 1,191,337 (-21%)
- Public Inquires: 516 (-9%)
- News Stories: Print/Internet: 149 (-23%); National TV: 4 (-20%); Local TV: 280 (-58%)

<u>Themes</u>

Print/Internet—Focus on International Themes

- WHO warning countries to limit use of antiviral drugs to only high-risk patients
- New cases of swine flu: Belgium, Britain, China mainland

Television News

- Few national stories
- Brief reporting of local case counts and increasing national cases

Emerging themes (all news channels)

- Outbreak could have been result of human error
- Effects of Tamiflu on fetus: risk from virus greater than unknown risk to fetus from antivirals

Public Inquiries: CDC-INFO emails/calls from public

Travel recommendations (MX? US?)	20%	
Prevention precautions while traveling?	18%	
Cases in my community/city/state/country	14%	
Symptoms? Do you have to have all symptoms to have H1N1?	14%	
Where/how can you get tested?	10%	
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