

2015-2016 Influenza Season Week 40 ending October 10, 2015

All data are preliminary and may change as more reports are received.

Background: The Centers for Disease Control and Prevention's (CDC) Influenza Division collects, compiles, and analyzes information on influenza activity year-round in the United States and produces [FluView](#), a weekly influenza surveillance report, and [FluView Interactive](#). The U.S. influenza surveillance system provides information in five categories collected from nine data sources. This is the first report of the 2015-2016 influenza season, which began on October 4, 2015.

The five categories and nine data components of CDC influenza surveillance are:

- **Viral Surveillance:** U.S. World Health Organization (WHO) collaborating laboratories, the National Respiratory and Enteric Virus Surveillance System (NREVSS), and human infection with novel influenza A virus case reporting;
- **Mortality:** National Center for Health Statistics (NCHS) Mortality Surveillance System, 122 Cities Mortality Reporting System and influenza-associated pediatric deaths;
- **Hospitalizations:** Influenza Hospitalization Network (FluSurv-NET) including the Emerging Infections Program (EIP) and three additional states;
- **Outpatient Illness Surveillance:** U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet);
- **Geographic Spread of Influenza:** State and territorial epidemiologists' reports.

An overview of the CDC influenza surveillance system, including methodology and detailed descriptions of each data component, is available at: <http://www.cdc.gov/flu/weekly/overview.htm>.

Synopsis: During week 40 (October 4-10, 2015), influenza activity was low in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus type reported by public health laboratories in week 40 was influenza A viruses, with influenza A (H3) viruses predominating. The percentage of respiratory specimens testing positive for influenza in clinical laboratories is low.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below their system-specific epidemic threshold in both the NCHS Mortality Surveillance System and the 122 Cities Mortality Reporting System.
- **Influenza-associated Pediatric Deaths:** No influenza-associated pediatric deaths were reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.2%, which is below the national baseline of 2.1%. All 10 regions reported ILI below region-specific baseline levels. Georgia experienced low ILI activity; Puerto Rico, New York City and 47 states experienced minimal ILI activity; and the District of Columbia and two states had insufficient data.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Guam was reported as widespread; one state reported regional activity; one state reported local activity; Puerto Rico and 27 states reported sporadic activity; the U.S. Virgin Islands and 21 states reported no influenza activity; and the District of Columbia did not report.

National and Regional Summary of Select Surveillance Components

HHS Surveillance Regions*	Data for current week			Data cumulative since October 4, 2015 (week 40)						
	Out-patient ILI†	Number of jurisdictions experiencing high or moderate ILI activity§	% respiratory specimens positive for flu in clinical laboratories‡	A(H1N1) pdm09	A (H3)	A (Subtyping not performed)	B Victoria lineage	B Yamagata lineage	B lineage not performed	Pediatric Deaths
Nation	Normal	0 of 53	1.2%	2	24	0	0	0	2	0
Region 1	Normal	0 of 6	0.9%	0	1	0	0	0	0	0
Region 2	Normal	0 of 4	0.3%	0	1	0	0	0	0	0
Region 3	Normal	0 of 6	0.4%	0	0	0	0	0	0	0
Region 4	Normal	0 of 8	2.2%	0	4	0	0	0	1	0
Region 5	Normal	0 of 6	0.9%	2	6	0	0	0	1	0
Region 6	Normal	0 of 5	1.1%	0	0	0	0	0	0	0
Region 7	Normal	0 of 4	0.4%	0	2	0	0	0	0	0
Region 8	Normal	0 of 6	0.6%	0	2	0	0	0	0	0
Region 9	Normal	0 of 4	2.8%	0	5	0	0	0	0	0
Region 10	Normal	0 of 4	0.9%	0	3	0	0	0	0	0

*<http://www.hhs.gov/about/agencies/staff-divisions/iea/regional-offices/index.html>

† Elevated means the % of visits for ILI is at or above the national or region-specific baseline.

§ Includes all 50 states, New York City, the District of Columbia, and Puerto Rico

‡ National data are for current week; regional data are for the most recent three weeks.

U.S. Virologic Surveillance: WHO and NREVSS collaborating laboratories, which include both public health and clinical laboratories located in all 50 states, Puerto Rico, and the District of Columbia, report to CDC the total number of respiratory specimens tested for influenza and the number positive for influenza virus type. In addition, public health laboratories also report the influenza A subtype (H1 or H3) and influenza B lineage information of the viruses they test and the age or age group of the persons from whom the specimens were collected.

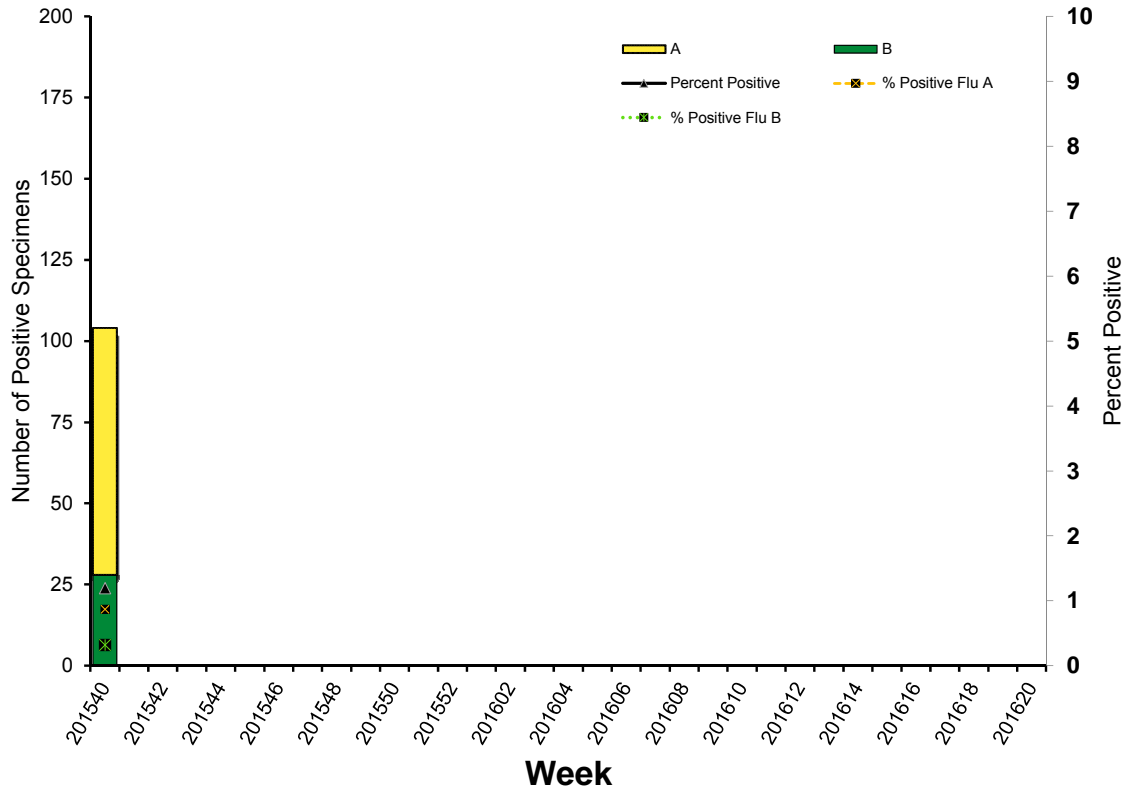
Additional data are available at <http://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>.

The results of tests performed by clinical laboratories during the current week are summarized below.

	Week 40
No. of specimens tested	8,703
No. of positive specimens (%)	104 (1.2%)
<i>Positive specimens by type</i>	
Influenza A	76 (73.1%)
Influenza B	28 (26.9%)



Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, 2015-16 Season

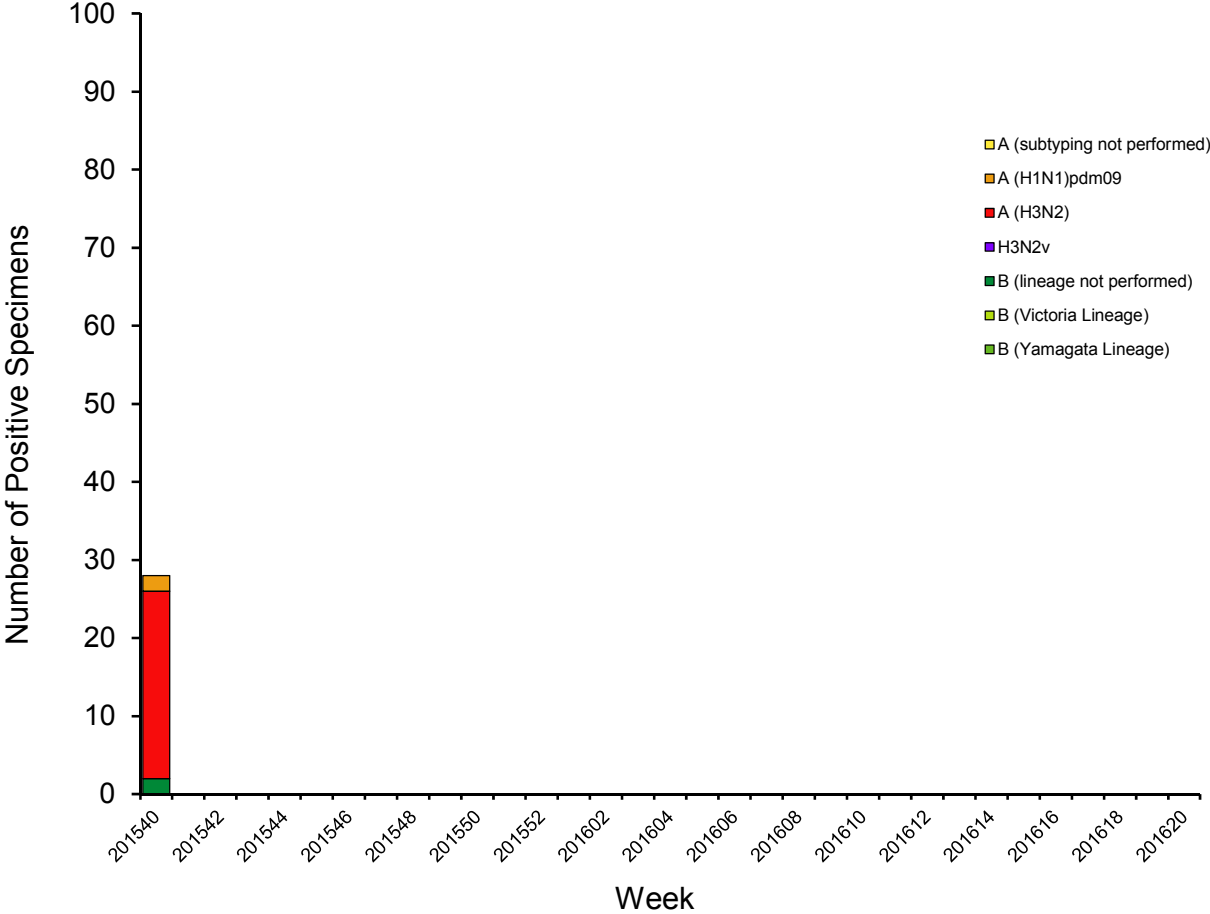


The results of tests performed by public health laboratories, as well as the age group distribution of influenza positive tests, during the current week are summarized below.

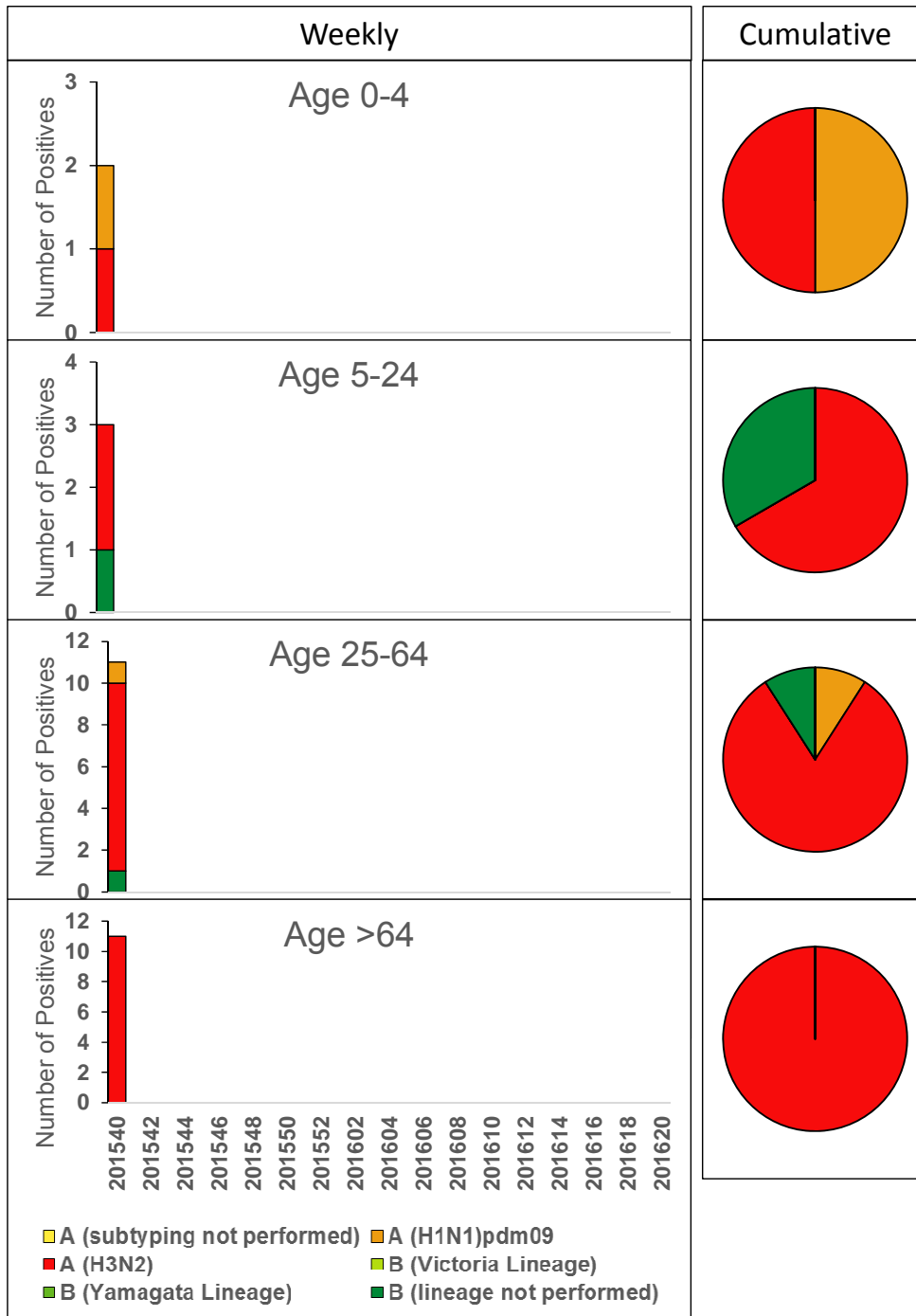
	Week 40
No. of specimens tested	436
No. of positive specimens	28
<i>Positive specimens by type/subtype</i>	
Influenza A	26 (92.9%)
A(H1N1)pmd09	2 (7.7%)
H3	24 (92.3%)
Subtyping not performed	0 (0%)
Influenza B	2 (7.1%)
Yamagata lineage	0 (0%)
Victoria lineage	0 (0%)
Lineage not performed	2 (100%)



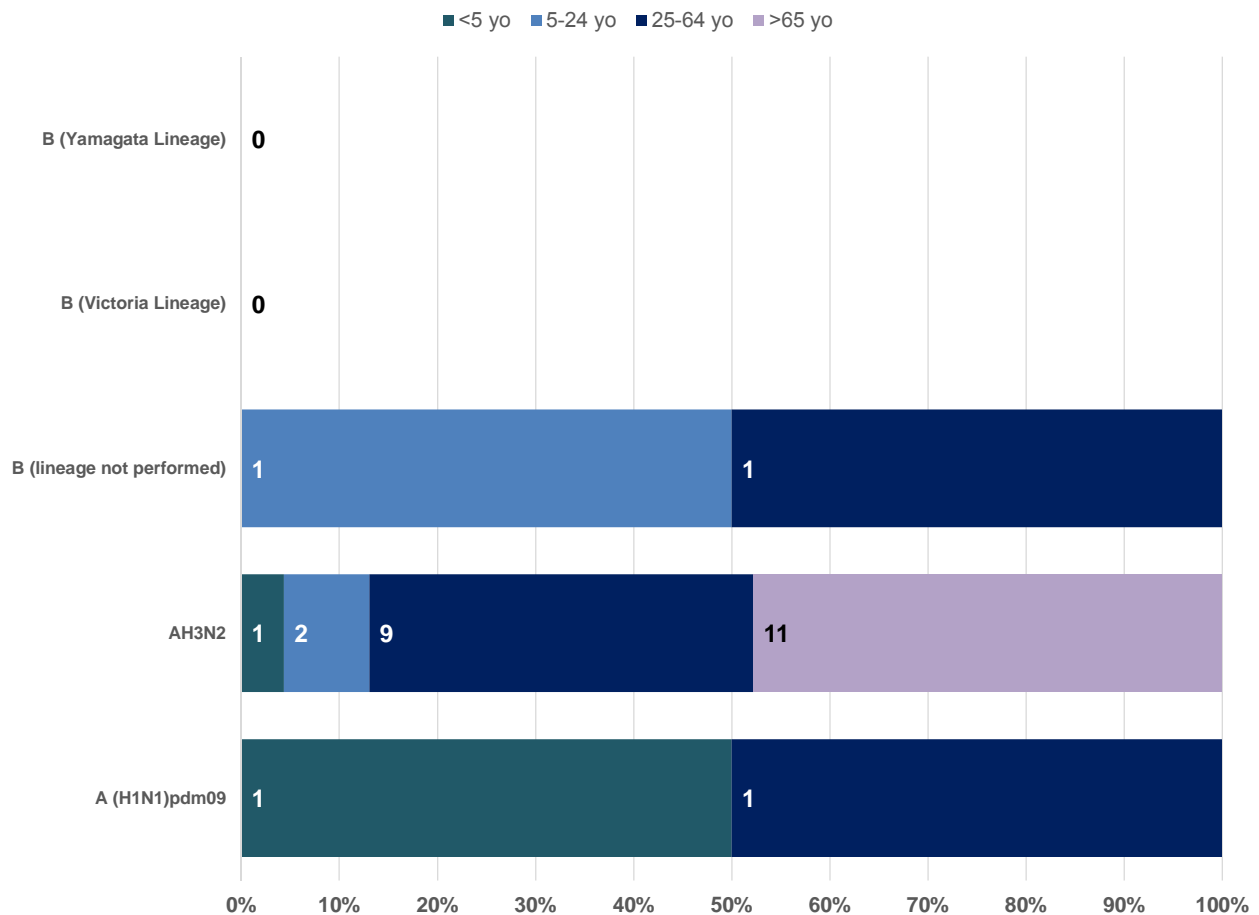
Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, 2015-16 Season



Age Group Distribution of Influenza Positive Specimens Reported by Public Health Laboratories, National Summary, 2015-16 Season



Age Group Proportions and Total by Influenza Subtype Reported by Public Health Laboratories, 2015-16 Season



Influenza Virus Characterization: CDC characterizes influenza viruses through one or more tests including [genome sequencing](#), [hemagglutination inhibition \(HI\)](#) and/or neutralization assays. This data is used to compare how similar currently circulating influenza viruses are to the reference viruses used for developing influenza vaccines, and to monitor for changes in circulating influenza viruses. Historically HI data has been used most commonly to assess the similarity between reference viruses and circulating viruses as a proxy for vaccine effectiveness. Beginning in the 2014–2015 season and to date, however, a portion of influenza A (H3N2) viruses do not yield sufficient hemagglutination titers for antigenic characterization by HI. For many of these viruses, CDC performs genetic characterization to determine the genetic group identity of circulating viruses. In this way, antigenic properties of these viruses can be inferred from viruses within the same genetic group that have been characterized antigenically.

No characterization data is currently available for specimens collected after October 1, 2015.

During May 24–September 30, 2015, CDC has characterized 219 influenza viruses [8 A (H1N1)pdm09, 149 A (H3N2), and 62 influenza B viruses] collected by U.S. laboratories.

Influenza A Virus [157]

A(H1N1)pdm09 [8]: All 8 influenza A (H1N1)pdm09 viruses were antigenically characterized as A/California/7/2009-like, the influenza A (H1N1) component of the 2015-2016 Northern Hemisphere.

A(H3N2) [149]

- All 149 H3N2 viruses were genetically sequenced and all viruses belonged to genetic groups for which a majority of viruses antigenically characterized were similar to A/Switzerland/9715293/2013, the influenza A (H3N2) component of the 2015-2016 Northern Hemisphere vaccine.
- A subset of 58 H3N2 viruses also were antigenically characterized; all 58 (100%) H3N2 viruses were A/Switzerland/9715293/2013-like by HI testing or neutralization testing.

Influenza B Virus [62]: Thirty-eight (61%) of the influenza B viruses characterized belonged to B/Yamagata/16/88 lineage and the remaining 24 (39%) influenza B viruses characterized belonged to B/Victoria/02/87 lineage.

Yamagata Lineage [38]: All 38 B/Yamagata-lineage viruses were antigenically characterized as B/Phuket/3073/2013-like, which is included as an influenza B component of the 2015-2016 Northern Hemisphere trivalent and quadrivalent influenza vaccines.

Victoria Lineage [24]: All 24 B/Victoria-lineage viruses were antigenically characterized as B/Brisbane/60/2008-like, the virus that is included as an influenza B component of the 2015-2016 Northern Hemisphere quadrivalent influenza vaccine.

Antiviral Resistance: No antiviral resistance data is available for specimens collected after October 1, 2015. During May 24-September 30, 2015, 159 specimens (8 influenza A (H1N1)pdm09, 91 influenza A (H3N2), and 60 influenza B viruses) collected in the United States were tested for susceptibility to the neuraminidase inhibitors (oseltamivir, zanamivir, and peramivir). None of the tested viruses were found to be resistant to either oseltamivir, zanamivir, or peramivir.

The majority of recently circulating influenza viruses are susceptible to the neuraminidase inhibitor antiviral medications, oseltamivir, zanamivir, and peramivir; however, rare sporadic instances of oseltamivir-resistant and peramivir-resistant influenza A (H1N1)pdm09 and oseltamivir-resistant influenza A (H3N2) viruses have been detected worldwide. Antiviral treatment is recommended as early as possible for patients with confirmed or suspected influenza who have severe, complicated, or progressive illness; who require hospitalization; or who are at high risk for serious influenza-related complications. Additional information on recommendations for treatment and chemoprophylaxis of influenza virus infection with antiviral agents is available at <http://www.cdc.gov/flu/antivirals/index.htm>.

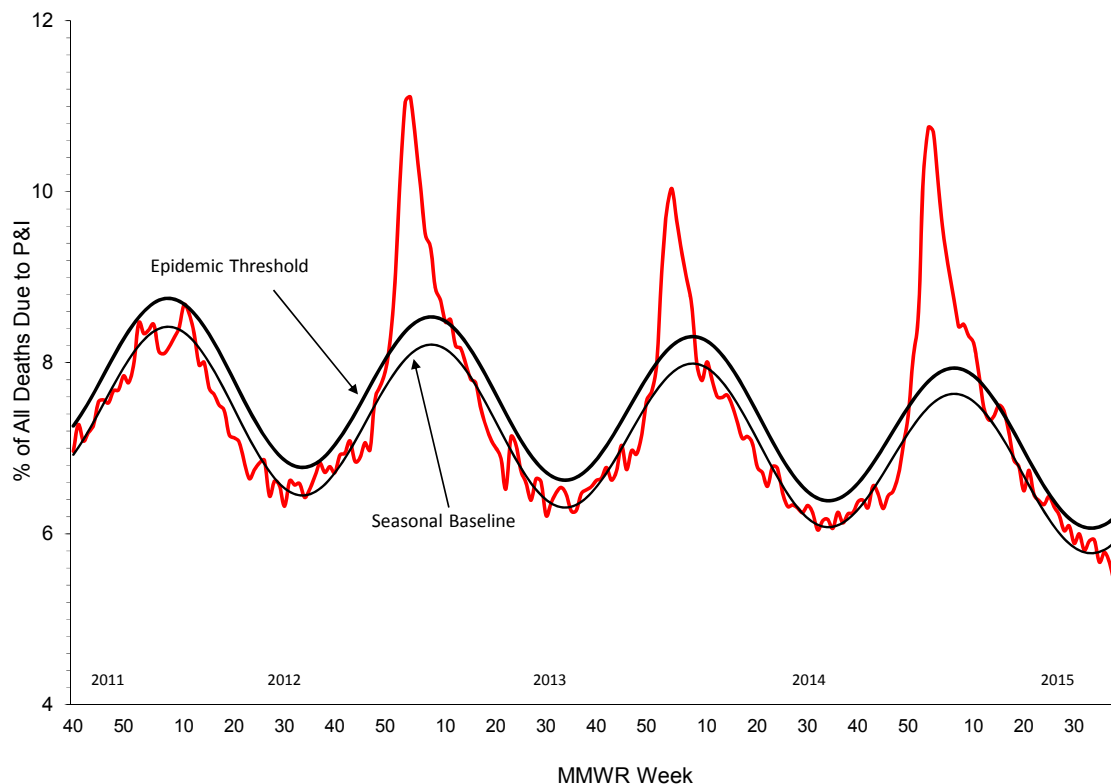
Pneumonia and Influenza (P&I) Mortality Surveillance: Rapid tracking of pneumonia and influenza-associated deaths is done through two systems, the National Center for Health Statistics (NCHS) Mortality Surveillance System and the 122 Cities Mortality Reporting System. NCHS mortality surveillance data are presented by the week the death occurred and P&I percentages are released two weeks after the week of death to allow for collection of enough data to produce a stable P&I percentage. Users of the data should not expect the two systems to produce the same percentages, and the percent P&I deaths from each system should be compared to the corresponding system-specific baselines and thresholds.

NCHS Mortality Surveillance Data:

Based on NCHS mortality surveillance data available on October 15, 2015, 5.5% of the deaths occurring during the week ending September 26, 2015 (week 38) were due to P&I. This percentage is below the epidemic threshold of 6.2% for week 38.

Region and state-specific data are available at <http://www.cdc.gov/flu/weekly/nchs.htm>

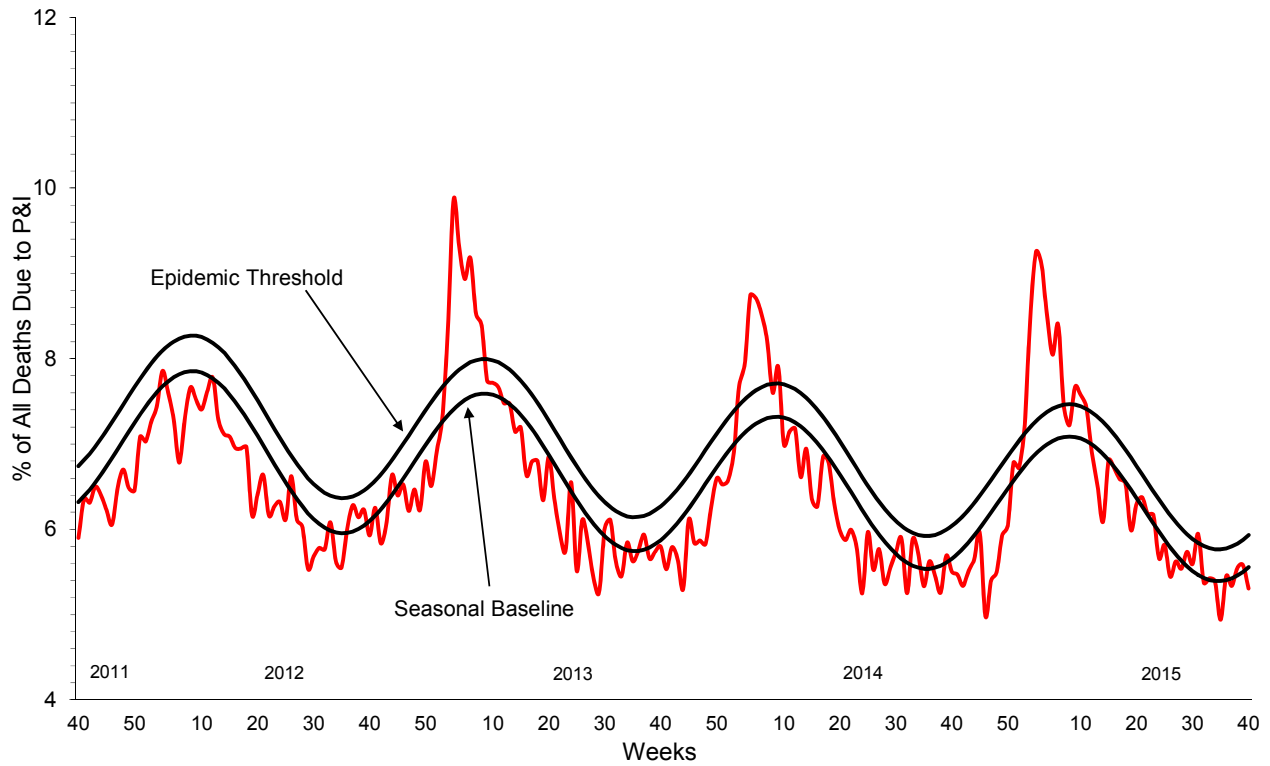
**Pneumonia and Influenza Mortality from
the National Center for Health Statistics Mortality Surveillance System
Data as of October 15, 2015 through week ending September 26, 2015**



122 Cities Mortality Reporting System

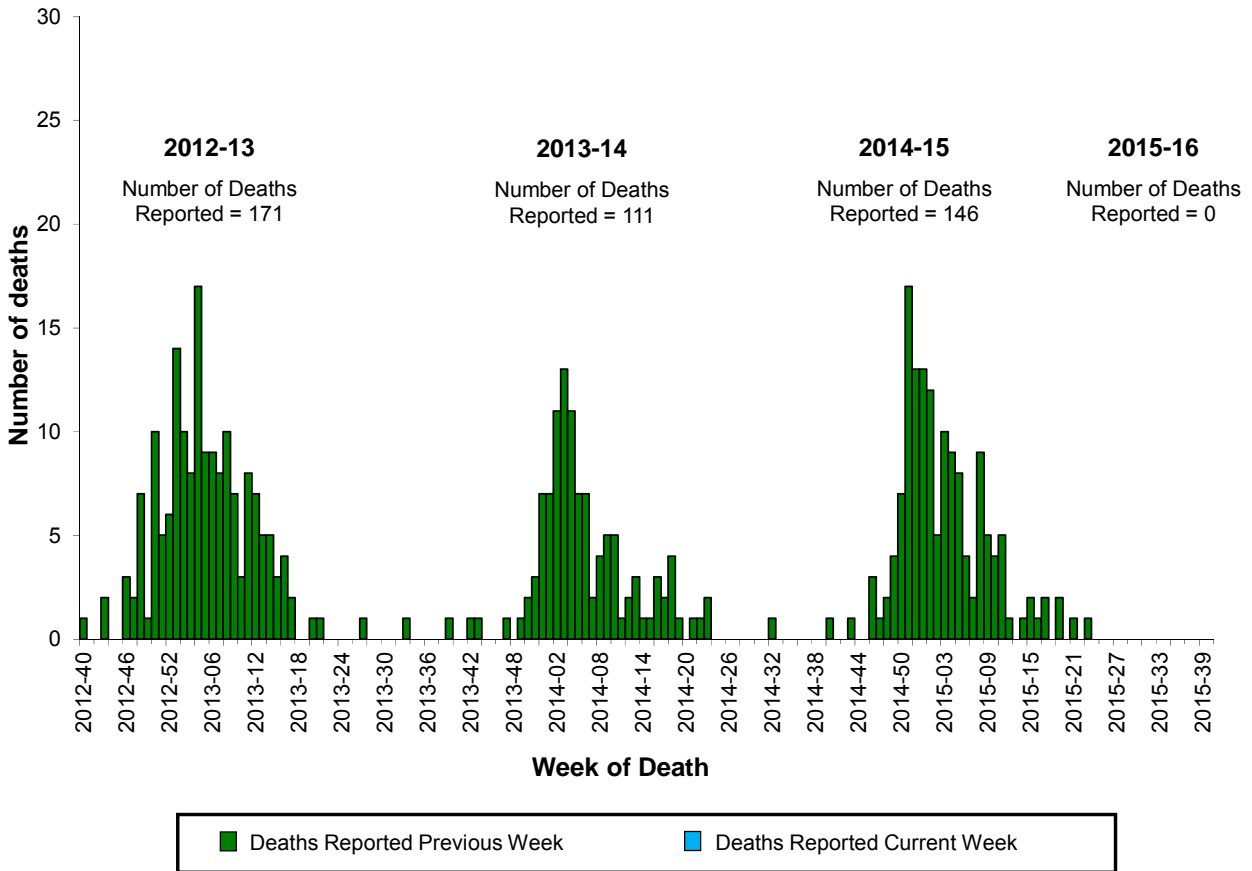
During week 40, 5.3% of all deaths reported through the 122 Cities Mortality Reporting System were due to P&I. This percentage was below the epidemic threshold of 5.9% for week 40.

Pneumonia and Influenza Mortality for 122 U.S. Cities Week ending October 10, 2015



Influenza-Associated Pediatric Mortality: No influenza-associated pediatric deaths were reported to CDC during week 40.

Number of Influenza-Associated Pediatric Deaths by Week of Death: 2012-2013 season to present

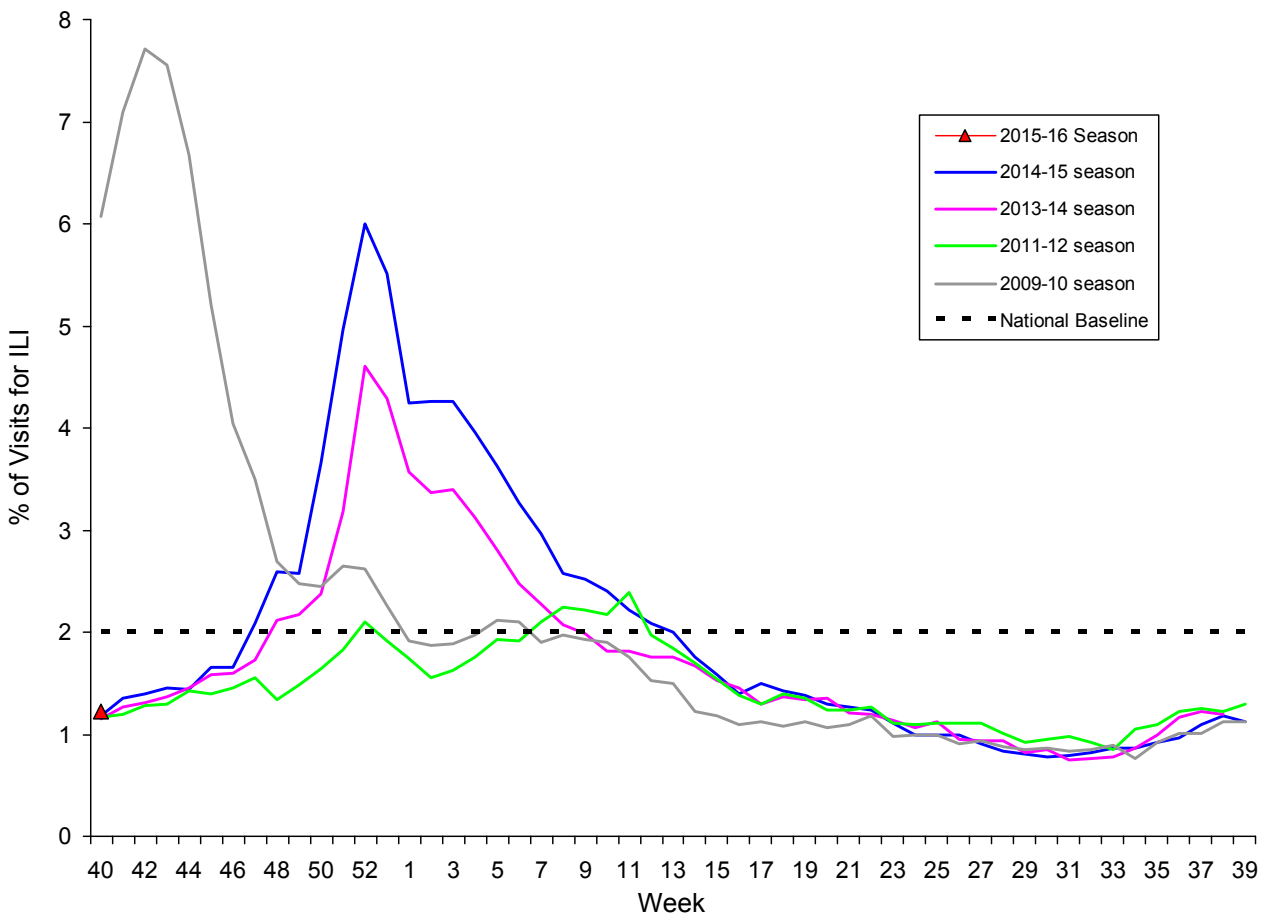


Influenza-Associated Hospitalizations: The Influenza Hospitalization Surveillance Network (FluSurv-NET) conducts all age population-based surveillance for laboratory-confirmed influenza-related hospitalizations in select counties in the Emerging Infections Program (EIP) states and Influenza Hospitalization Surveillance Project (IHSP) states. FluSurv-NET estimated hospitalization rates will be updated weekly starting later this season. Additional FluSurv-NET data can be found at: <http://gis.cdc.gov/GRASP/Fluview/FluHospRates.html> and <http://gis.cdc.gov/grasp/fluview/FluHospChars.html>.

Outpatient Illness Surveillance: Nationwide during week 40, 1.2% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to influenza-like illness (ILI). This percentage is below the national baseline of 2.1%. (ILI is defined as fever (temperature of 100°F [37.8°C] or greater) and cough and/or sore throat.)

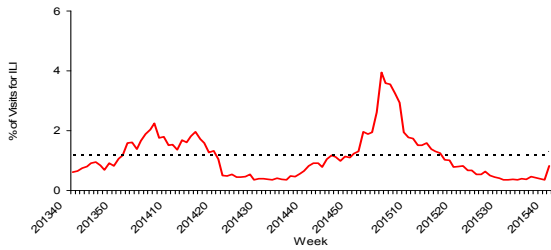
Additional data are available at <http://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>.

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2014-2015 and Selected Previous Seasons

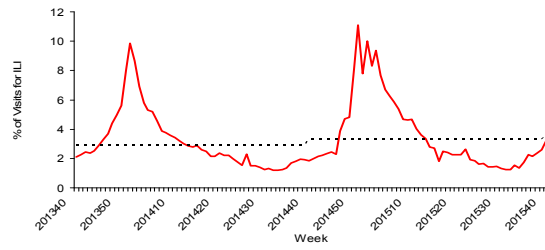


On a regional level, the percentage of outpatient visits for ILI ranged from 0.4% to 3.2% during week 40. All 10 regions reported a proportion of outpatient visits for ILI below their region-specific baseline levels.

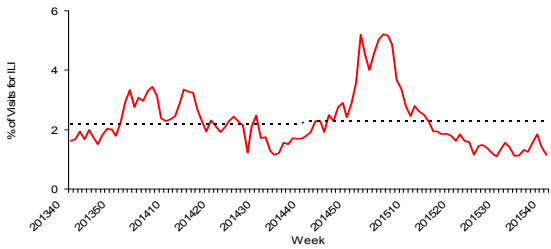
Region 1 - CT, ME, MA, NH, RI, VT



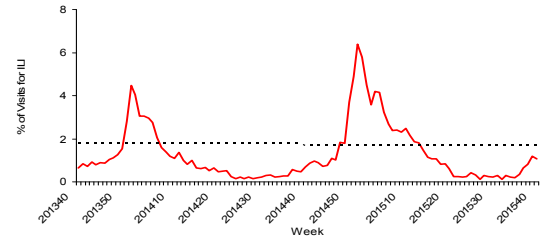
Region 6 - AR, LA, NM, OK, TX



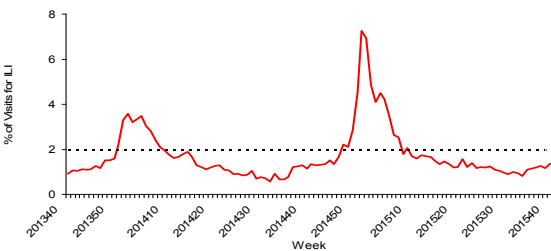
Region 2 - NJ, NY, PR, USVI



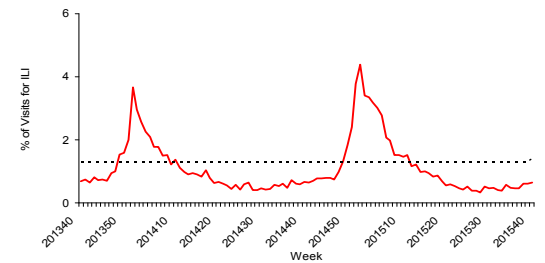
Region 7 - IA, KS, MO, NE



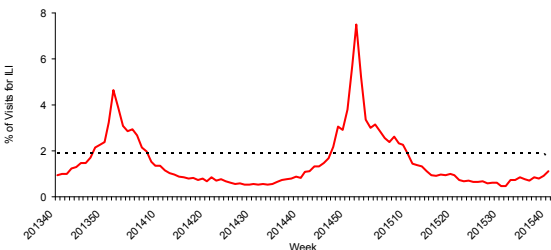
Region 3 - DE, DC, MD, PA, VA, WV



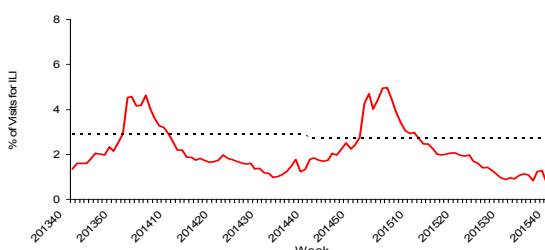
Region 8 - CO, MT, ND, SD, UT, WY



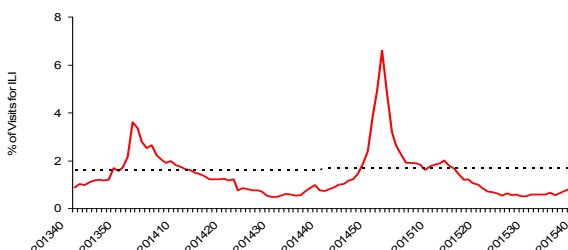
Region 4 - AL, FL, GA, KY, MS, NC, SC, TN



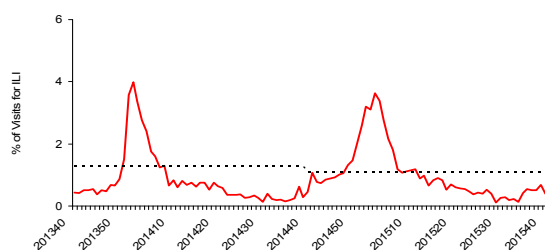
Region 9 - AZ, CA, HI, NV



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



Region 10 - AK, ID, OR, WA



NOTE: Scales differ between regions

*Use of the regional baselines for state data is not appropriate.

— % ILI

----- Baseline

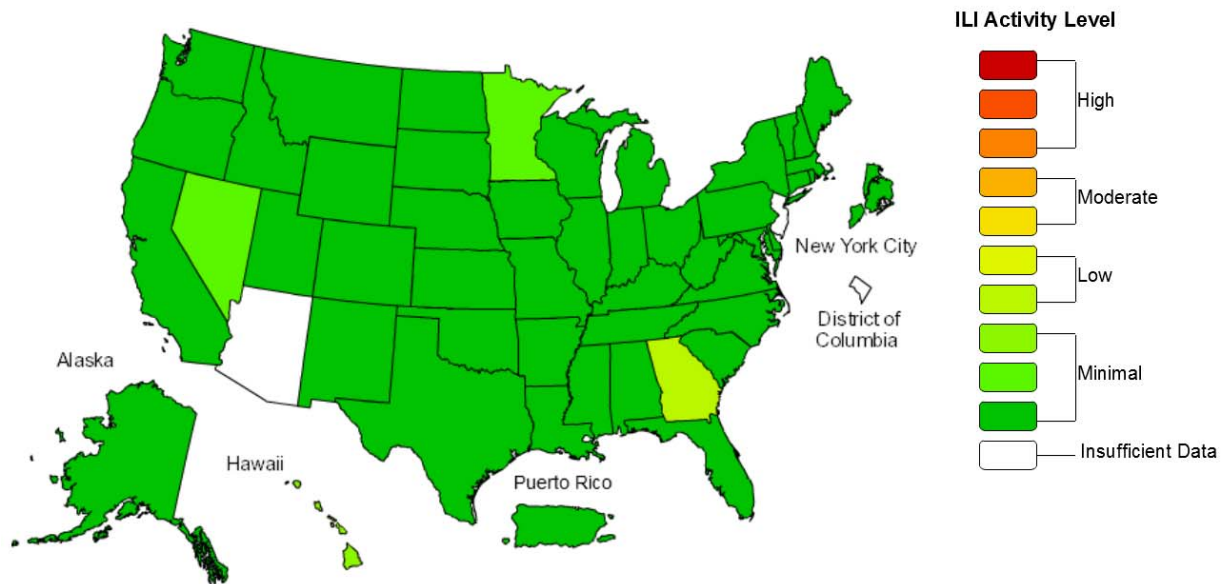


ILINet Activity Indicator Map: Data collected in ILINet are used to produce a measure of ILI activity* by state. Activity levels are based on the percent of outpatient visits in a state due to ILI and are compared to the average percent of ILI visits that occur during weeks with little or no influenza virus circulation. Activity levels range from minimal, which would correspond to ILI activity from outpatient clinics being below, or only slightly above, the average, to high, which would correspond to ILI activity from outpatient clinics being much higher than average.

During week 40, the following ILI activity levels were experienced:

- One state experienced low ILI activity (Georgia).
- New York City, Puerto Rico and 47 states (Alabama, Alaska, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Virginia, Vermont, Washington, West Virginia, Wisconsin, and Wyoming) experienced minimal ILI activity.
- Data were insufficient to calculate an ILI activity level from the District of Columbia and two states (Arizona and New Jersey).

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet
2015-16 Influenza Season Week 40 ending Oct 10, 2015**



*This map uses the proportion of outpatient visits to health care providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

Data collected in ILINet may disproportionately represent certain populations within a state, and therefore, may not accurately depict the full picture of influenza activity for the whole state.

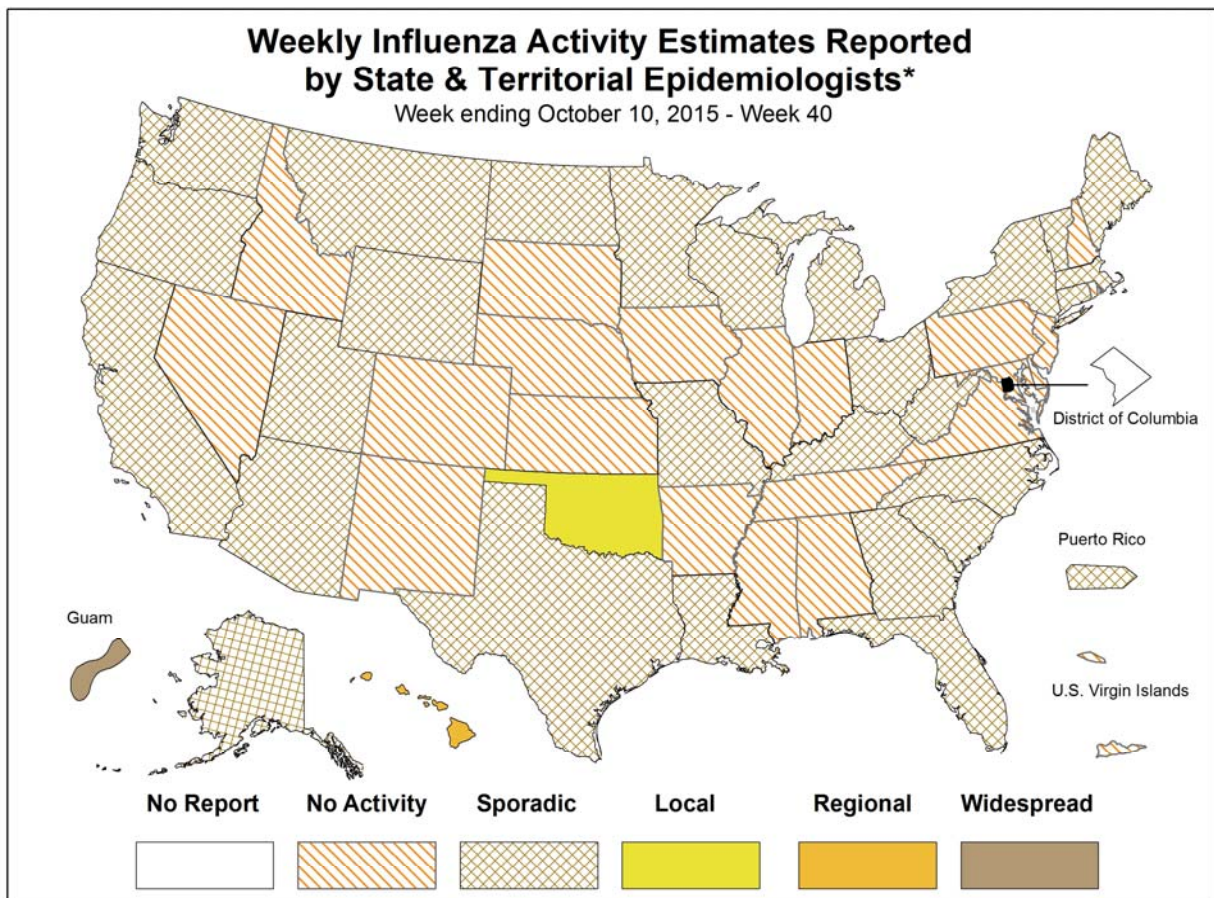
Data displayed in this map are based on data collected in ILINet, whereas the State and Territorial flu activity map is based on reports from state and territorial epidemiologists. The data presented in this map is preliminary and may change as more data is received.

Differences in the data presented here by CDC and independently by some state health departments likely represent differing levels of data completeness with data presented by the state likely being the more complete.

Geographic Spread of Influenza as Assessed by State and Territorial Epidemiologists: The influenza activity reported by state and territorial epidemiologists indicates geographic spread of influenza viruses, but does not measure the severity of influenza activity.

During week 40, the following influenza activity was reported:

- Widespread influenza activity was reported by Guam.
- Regional influenza activity was reported by one state (Hawaii).
- Local influenza activity was reported by one state (Oklahoma).
- Sporadic influenza activity was reported by the Puerto Rico and 27 states (Alaska, Arizona, California, Connecticut, Florida, Georgia, Kentucky, Louisiana, Maine, Massachusetts, Michigan, Minnesota, Missouri, Montana, New York, North Carolina, North Dakota, Ohio, Oregon, South Carolina, Texas, Utah, Vermont, Washington, West Virginia, Wisconsin, and Wyoming).
- No influenza activity was reported by the U.S. Virgin Islands and 21 states (Alabama, Arkansas, Colorado, Delaware, Idaho, Illinois, Indiana, Iowa, Kansas, Maryland, Mississippi, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, Pennsylvania, Rhode Island, South Dakota, Tennessee, and Virginia).
- The District of Columbia did not report.



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

Additional National and International Influenza Surveillance Information

FluView Interactive: FluView includes enhanced web-based interactive applications that can provide dynamic visuals of the influenza data collected and analyzed by CDC. These FluView Interactive applications allow people to create customized, visual interpretations of influenza data, as well as make comparisons across flu seasons, regions, age groups and a variety of other demographics. To access these tools, visit <http://www.cdc.gov/flu/weekly/fluviewinteractive.htm>.

U.S. State, territorial, and local influenza surveillance: Click on a jurisdiction below to access the latest local influenza information.

Alabama	Alaska	Arizona	Arkansas	California
Colorado	Connecticut	Delaware	District of Columbia	Florida
Georgia	Hawaii	Idaho	Illinois	Indiana
Iowa	Kansas	Kentucky	Louisiana	Maine
Maryland	Massachusetts	Michigan	Minnesota	Mississippi
Missouri	Montana	Nebraska	Nevada	New Hampshire
New Jersey	New Mexico	New York	North Carolina	North Dakota
Ohio	Oklahoma	Oregon	Pennsylvania	Rhode Island
South Carolina	South Dakota	Tennessee	Texas	Utah
Vermont	Virginia	Washington	West Virginia	Wisconsin
Wyoming	New York City	Puerto Rico	U.S. Virgin Islands	

World Health Organization: Additional influenza surveillance information from participating WHO member nations is available through [FluNet](#) and the [Global Epidemiology Reports](#).

WHO Collaborating Centers for Influenza located in [Australia](#), [China](#), [Japan](#), the [United Kingdom](#), and the [United States](#) (CDC in Atlanta, Georgia).

Europe: WHO/Europe at <http://www.flunewseurope.org/> and the European Centre for Disease Prevention and Control at http://ecdc.europa.eu/en/publications/surveillance_reports/influenza/Pages/weekly_influenza_surveillance_overview.aspx

Public Health Agency of Canada: The most up-to-date influenza information from Canada is available at <http://www.phac-aspc.gc.ca/fluwatch/>.

Public Health England: The most up-to-date influenza information from the United Kingdom is available at <https://www.gov.uk/government/statistics/weekly-national-flu-reports>.

Any links provided to non-Federal organizations are provided solely as a service to our users. These links do not constitute an endorsement of these organizations or their programs by CDC or the Federal Government, and none should be inferred. CDC is not responsible for the content of the individual organization web pages found at these links.

An overview of the CDC influenza surveillance system, including methodology and detailed descriptions of each data component, is available at: <http://www.cdc.gov/flu/weekly/overview.htm>.

Report prepared: October 16, 2015.



**WHO Collaborating Laboratory Reports
2015-2016 Influenza Season**

National

CDC Week	Public Health Labs	Public Health Specimens Tested	AUNK_POS	AH1N1 pdm09	AH3N2	AH3N2v	B	BVic	BYam	Clinical Labs	Clinical Specimens Tested	Clinical Flu Positive	% Positive	A	B
201540	50	436	0	2	24	0	2	0	0	181	8703	104	1.19	76	28
Total	.	436	0	2	24	0	2	0	0	.	8703	104	1.19	76	28

Region 1 (CT, ME, MA, NH, RI, VT)

CDC Week	Public Health Labs	Public Health Specimens Tested	AUNK_POS	AH1N1 pdm09	AH3N2	AH3N2v	B	BVic	BYam	Clinical Labs	Clinical Specimens Tested	Clinical Flu Positive	% Positive	A	B
201540	2	15	0	0	1	0	0	0	0	17	637	6	0.94	3	3
Total	.	15	0	0	1	0	0	0	0	.	637	6	0.94	3	3

Region 2 (NJ, NY, PR)

CDC Week	Public Health Labs	Public Health Specimens Tested	AUNK_POS	AH1N1 pdm09	AH3N2	AH3N2v	B	BVic	BYam	Clinical Labs	Clinical Specimens Tested	Clinical Flu Positive	% Positive	A	B
201540	4	16	0	0	1	0	0	0	0	15	1103	4	0.36	4	0
Total	.	16	0	0	1	0	0	0	0	.	1103	4	0.36	4	0

Region 3 (DE, DC, MD, PA, VA, WV)

CDC Week	Public Health Labs	Public Health Specimens Tested	AUNK_POS	AH1N1 pdm09	AH3N2	AH3N2v	B	BVic	BYam	Clinical Labs	Clinical Specimens Tested	Clinical Flu Positive	% Positive	A	B
201540	4	82	0	0	0	0	0	0	0	17	677	1	0.15	0	1
Total	.	82	0	0	0	0	0	0	0	.	677	1	0.15	0	1

Region 4 (AL, FL, GA, KY, MS, NC, SC, TN)

CDC Week	Public Health Labs	Public Health Specimens Tested	AUNK_POS	AH1N1 pdm09	AH3N2	AH3N2v	B	BVic	BYam	Clinical Labs	Clinical Specimens Tested	Clinical Flu Positive	% Positive	A	B
201540	6	49	0	0	4	0	1	0	0	32	1714	37	2.16	22	15
Total	.	49	0	0	4	0	1	0	0	.	1714	37	2.16	22	15

Region 5 (IL, IN, MI, MN, OH, WI)

CDC Week	Public Health Labs	Public Health Specimens Tested	AUNK_POS	AH1N1 pdm09	AH3N2	AH3N2v	B	BVic	BYam	Clinical Labs	Clinical Specimens Tested	Clinical Flu Positive	% Positive	A	B
201540	8	97	0	2	6	0	1	0	0	33	1550	13	0.84	13	0
Total	.	97	0	2	6	0	1	0	0	.	1550	13	0.84	13	0

Region 6 (AR, LA, NM, OK, TX)

CDC Week	Public Health Labs	Public Health Specimens Tested	AUNK_POS	AH1N1 pdm09	AH3N2	AH3N2v	B	BVic	BYam	Clinical Labs	Clinical Specimens Tested	Clinical Flu Positive	% Positive	A	B
201540	1	10	0	0	0	0	0	0	0	21	945	9	0.95	3	6
Total	.	10	0	0	0	0	0	0	0	.	945	9	0.95	3	6

Region 7 (IA, KS, MO, NE)

CDC Week	Public Health Labs	Public Health Specimens Tested	AUNK_POS	AH1N1 pdm09	AH3N2	AH3N2v	B	BVic	BYam	Clinical Labs	Clinical Specimens Tested	Clinical Flu Positive	% Positive	A	B
201540	5	16	0	0	2	0	0	0	0	10	598	2	0.33	2	0
Total	.	16	0	0	2	0	0	0	0	.	598	2	0.33	2	0

Region 8 (CO, MT, ND, SD, UT, WY)

CDC Week	Public Health Labs	Public Health Specimens Tested	AUNK_POS	AH1N1 pdm09	AH3N2	AH3N2v	B	BVic	BYam	Clinical Labs	Clinical Specimens Tested	Clinical Flu Positive	% Positive	A	B
201540	4	57	0	0	2	0	0	0	0	13	480	2	0.42	1	1
Total	.	57	0	0	2	0	0	0	0	.	480	2	0.42	1	1

Region 9 (AZ, CA, GU, HI, NV)

CDC Week	Public Health Labs	Public Health Specimens Tested	AUNK_POS	AH1N1 pdm09	AH3N2	AH3N2v	B	BVic	BYam	Clinical Labs	Clinical Specimens Tested	Clinical Flu Positive	% Positive	A	B
201540	16	33	0	0	5	0	0	0	0	11	641	27	4.21	25	2
Total	.	33	0	0	5	0	0	0	0	.	641	27	4.21	25	2

Region 10 (AK, ID, OR, WA)

CDC Week	Public Health Labs	Public Health Specimens Tested	AUNK_POS	AH1N1 pdm09	AH3N2	AH3N2v	B	BVic	BYam	Clinical Labs	Clinical Specimens Tested	Clinical Flu Positive	% Positive	A	B
201540	3	61	0	0	3	0	0	0	0	12	358	3	0.84	3	0
Total	.	61	0	0	3	0	0	0	0	.	358	3	0.84	3	0



NCHS Mortality Surveillance Data
Data as of October 15, 2015
For the Week Ending September 26, 2015 (Week 38)

YEAR	WEEK	% OF DEATHS EXPECTED	THRESH.	TOTAL DEATHS	PNEUMONIA DEATHS	INFLUENZA DEATHS
2015	38	5.48	6.19	22489	1230	2

PNEUMONIA AND INFLUENZA MORTALITY
(Reported from 122 U.S. Cities)
For the Week Ending October 10, 2015
(Week 40)

YEAR	WEEK	% OF DEATHS	EXPECTED	THRESH.	TOTAL DEATHS	PNEUMONIA DEATHS	INFLUENZA DEATHS
2015	40	5.31	5.56	5.93	11214	592	3

**U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)
2015-2016 Influenza Season
National (Baseline: 2.1%)
Data as of Friday, October 16, 2015**

CDC Week	# Sites Reporting	ILI 0-4 years	ILI 5-24 years	ILI 25-49 years	ILI 50-64 years	ILI 65 years and older	Total ILI	Total Patient Visits	% Unweighted ILI	% Weighted ILI
201540	1393	2231	2742	1612	678	416	7679	592010	1.3	1.23

**U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)
2015-2016 Influenza Season
HHS Region 1 (CT, ME, MA, NH, RI, and VT) (Baseline: 1.3%)
Data as of Friday, October 16, 2015**

CDC Week	# Sites Reporting	ILI 0-4 years	ILI 5-24 years	ILI 25-49 years	ILI 50-64 years	ILI 65 years and older	Total ILI	Total Patient Visits	% Unweighted ILI	% Weighted ILI
201540	95	92	96	27	14	7	236	33403	0.71	0.82

**U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)
2015-2016 Influenza Season
HHS Region 2 (NJ, NY, PR, and USVI) (Baseline: 2.3%)
Data as of Friday, October 16, 2015**

CDC Week	# Sites Reporting	ILI 0-4 years	ILI 5-24 years	ILI 25-49 years	ILI 50-64 years	ILI 65 years and older	Total ILI	Total Patient Visits	% Unweighted ILI	% Weighted ILI
201540	147	482	462	263	106	86	1399	107005	1.31	1.15

**U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)
2015-2016 Influenza Season
HHS Region 3 (DE, DC, MD, PA, VA, and WV) (Baseline: 1.8%)
Data as of Friday, October 16, 2015**

CDC Week	# Sites Reporting	ILI 0-4 years	ILI 5-24 years	ILI 25-49 years	ILI 50-64 years	ILI 65 years and older	Total ILI	Total Patient Visits	% Unweighted ILI	% Weighted ILI
201540	228	351	537	410	143	77	1518	114681	1.32	1.36

**U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)
2015-2016 Influenza Season
HHS Region 4 (AL, FL, GA, KY, MS, NC, SC, and TN) (Baseline: 1.6%)
Data as of Friday, October 16, 2015**

CDC Week	# Sites Reporting	ILI 0-4 years	ILI 5-24 years	ILI 25-49 years	ILI 50-64 years	ILI 65 years and older	Total ILI	Total Patient Visits	% Unweighted ILI	% Weighted ILI
201540	219	398	480	193	81	60	1212	95508	1.27	1.12

**U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)
2015-2016 Influenza Season
HHS Region 5 (IL, IN, MI, MN, OH, and WI) (Baseline: 1.9%)
Data as of Friday, October 16, 2015**

CDC Week	# Sites Reporting	ILI 0-4 years	ILI 5-24 years	ILI 25-49 years	ILI 50-64 years	ILI 65 years and older	Total ILI	Total Patient Visits	% Unweighted ILI	% Weighted ILI
201540	182	202	235	99	83	56	675	72409	0.93	0.87

**U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)
2015-2016 Influenza Season
HHS Region 6 (AR, LA, NM, OK, and TX) (Baseline: 3.6%)
Data as of Friday, October 16, 2015**

CDC Week	# Sites Reporting	ILI 0-4 years	ILI 5-24 years	ILI 25-49 years	ILI 50-64 years	ILI 65 years and older	Total ILI	Total Patient Visits	% Unweighted ILI	% Weighted ILI
201540	232	530	664	491	207	99	1991	84270	2.36	3.23

**U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)
2015-2016 Influenza Season
HHS Region 7 (IA, KS, MO, and NE) (Baseline: 1.7%)
Data as of Friday, October 16, 2015**

CDC Week	# Sites Reporting	ILI 0-4 years	ILI 5-24 years	ILI 25-49 years	ILI 50-64 years	ILI 65 years and older	Total ILI	Total Patient Visits	% Unweighted ILI	% Weighted ILI
201540	47	22	40	20	7	8	97	9770	0.99	1.06

**U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)
2015-2016 Influenza Season
HHS Region 8 (CO, MT, ND, SD, UT, and WY) (Baseline: 1.4%)
Data as of Friday, October 16, 2015**

CDC Week	# Sites Reporting	ILI 0-4 years	ILI 5-24 years	ILI 25-49 years	ILI 50-64 years	ILI 65 years and older	Total ILI	Total Patient Visits	% Unweighted ILI	% Weighted ILI
201540	101	70	137	72	22	8	309	35599	0.87	0.65

**U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)
2015-2016 Influenza Season
HHS Region 9 (AZ, CA, HI, and NV) (Baseline: 2.6%)
Data as of Friday, October 16, 2015**

CDC Week	# Sites Reporting	ILI 0-4 years	ILI 5-24 years	ILI 25-49 years	ILI 50-64 years	ILI 65 years and older	Total ILI	Total Patient Visits	% Unweighted ILI	% Weighted ILI
201540	79	69	77	26	10	13	195	27628	0.71	0.63

**U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)
2015-2016 Influenza Season
HHS Region 10 (AK, ID, OR, and WA) (Baseline: 1.1%)
Data as of Friday, October 16, 2015**

CDC Week	# Sites Reporting	ILI 0-4 years	ILI 5-24 years	ILI 25-49 years	ILI 50-64 years	ILI 65 years and older	Total ILI	Total Patient Visits	% Unweighted ILI	% Weighted ILI
201540	63	15	14	11	5	2	47	11737	0.4	0.39

Geographic Spread of Influenza Reported by State and Territorial Health Departments
2015-2016 Influenza Season - Week 40 (October 4-10, 2015)

<i>Region</i>	<i>State</i>	<i>Week 40</i>
1	Connecticut	SPORADIC
	Maine	SPORADIC
	Massachusetts	SPORADIC
	New Hampshire	NONE
	Rhode Island	NONE
	Vermont	SPORADIC
2	New Jersey	NONE
	New York	SPORADIC
	Puerto Rico	SPORADIC
	Virgin Islands	NONE
3	Delaware	NONE
	Maryland	NONE
	Pennsylvania	NONE
	Virginia	NONE
	West Virginia	SPORADIC
	District of Columbia	NO REPT
4	Alabama	NONE
	Florida	SPORADIC
	Georgia	SPORADIC
	Kentucky	SPORADIC
	Mississippi	NONE
	North Carolina	SPORADIC
	South Carolina	SPORADIC
	Tennessee	NONE
	5	Illinois
Indiana		NONE
Michigan		SPORADIC
Minnesota		SPORADIC
Ohio		SPORADIC
Wisconsin		SPORADIC
6	Arkansas	NONE
	Louisiana	SPORADIC
	New Mexico	NONE
	Oklahoma	LOCAL
	Texas	SPORADIC
7	Iowa	NONE
	Kansas	NONE
	Missouri	SPORADIC
	Nebraska	NONE

<i>Region</i>	<i>State</i>	<i>Week 40</i>
8	Colorado	NONE
	Montana	SPORADIC
	North Dakota	SPORADIC
	South Dakota	NONE
	Utah	SPORADIC
	Wyoming	SPORADIC
9	Arizona	SPORADIC
	California	SPORADIC
	Guam	WIDESPR
	Hawaii	REGIONAL
	Nevada	NONE
10	Alaska	SPORADIC
	Idaho	NONE
	Oregon	SPORADIC
	Washington	SPORADIC

Activity Level	ILI activity*/Outbreaks		Laboratory data
No activity	Low	And	No lab confirmed cases [†]
Sporadic	Not increased	And	Isolated lab-confirmed case(s)
	Not increased	And	OR Lab confirmed outbreak in one institution [‡]
Local	Increased ILI in 1 region ^{**} ; ILI activity in other regions is not increased	And	Recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI
	2 or more institutional outbreaks (ILI or lab confirmed) in 1 region; ILI activity in other regions is not increased	And	OR Recent (within the past 3 weeks) lab evidence of influenza in region with the outbreaks; virus activity is no greater than sporadic in other regions
Regional (doesn't apply to states with ≤4 regions)	Increased ILI in ≥2 but less than half of the regions	And	Recent (within the past 3 weeks) lab confirmed influenza in the affected regions
	Institutional outbreaks (ILI or lab confirmed) in ≥2 and less than half of the regions	And	OR Recent (within the past 3 weeks) lab confirmed influenza in the affected regions
Widespread	Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least half of the regions	And	Recent (within the past 3 weeks) lab confirmed influenza in the state.

* ILI activity can be assessed using a variety of data sources including ILINet providers, school/workplace absenteeism, and other syndromic surveillance systems that monitor influenza-like illness.

[†] Lab confirmed case = case confirmed by rapid influenza diagnostic test, antigen detection, culture, or PCR.

[‡] Institution includes nursing home, hospital, prison, school, etc.

^{**}Region: population under surveillance in a defined geographical subdivision of a state.