



Lake County Health Department and Community Health Center

Week 51
(20-26 Dec 15)*

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Executive Director

2015-16 Flu Season Lake County Weekly Influenza Monitoring Report



Weekly Summary:

Lake County: Flu activity is steadily increasing in the U.S., but continues to remain low throughout Lake County. Visits to the Lake County Health Departments Community Health Center clinics (LCHD/CHC) for upper respiratory/influenza-like illness (ILI) dipped due to the shortened holiday week.

Schools: Most Lake County schools are closed for winter break and will resume both ILI and general absenteeism surveillance in early January.

Cook County: Influenza activity is increasing with four influenza related intensive care unit admissions being reported during this reporting week.

Wisconsin (SE Region): Wisconsin has not reported a new update since week 49 when flu activity remained “low” throughout the state except for the Northeastern region.

Illinois: Illinois is now reporting low or “No Activity” along with two other States. Most of the States surrounding Illinois show a higher flu activity level.

Nationwide: Seasonal influenza activity increased slightly in the United States. While influenza A (H3N2) viruses have been most common since October 1, in the past two weeks, influenza A (H1N1) pdm09 viruses have predominated. The vast majority of circulating flu viruses seen this season remain similar to the vaccine virus components for this season's flu vaccines. CDC recommends an annual flu vaccine for everyone 6 months of age and older. Getting vaccinated before flu activity begins is best.

The 2015-16 U.S. Trivalent influenza vaccine contains an A/California/2009 (H1N1) -like virus, an A/Switzerland/2013(H3N2) -like virus and a B/Phuket/2013 -like virus. The Quadrivalent influenza vaccines will also include a B/Brisbane/2008-like virus for this years flu season.

**Our report contains different flu weeks presented due to the different reporting dates of sources.*

LAKE COUNTY:

Week 51 (20 - 26 Dec 15)



LCHD/CHC (Federally Qualified Health Center): # of Patients with Upper Respiratory Illness (URI) by Week



LAKE COUNTY: (Cont)



Week 51 (20 - 26 Dec 15)

School Influenza-like Illness (ILI) Surveillance

**Reporting School Districts:
Barrington (220)**

	<u>Current Week</u>	<u>Previous Week</u>
Schools tracking and reporting absenteeism data:	12	51
Schools reporting "Influenza-like illness (ILI) absenteeism ($\geq 5\%$):	0	1
Schools/Pre-schools reporting general absenteeism ($\geq 10\%$):	9	23



***The majority of Schools involved in Lake County's ILI surveillance are on Winter break from 21 December, 2015, thru 3 January, 2016. ILI school surveillance data will resume during week 1 and be reported out in week 2 Thank you.**

Lake County - "Voluntary" reported positive flu test:

Week 51 (20 - 26 Dec 15)

	<u>Week 51</u>	<u>Prior Week</u>	<u>*Cumulative</u>
Positive flu tests reported:	0	0	0

***Cumulative since week 44.** Positive tests are reported voluntarily by various sources (i.e., sentinel and other hospitals, treatment centers, physician offices, schools etc.)

"Reportable" to the Lake County Health Department:

Week 51 (20 - 26 Dec 15)

	<u>Week 51</u>	<u>Prior Week</u>	<u>*Cumulative</u>
Flu - Intensive care unit (ICU) admissions:	0	0	0
Flu - Pediatric Deaths (0-18):	0	0	0
Flu - Outbreaks reported ** (Congregate settings):	0	0	0

***Cumulative since week 44. Single positive flu tests are not reportable in Illinois.**

****Correctional, Long Term Care (LTC) Facilities & Hospitals.**

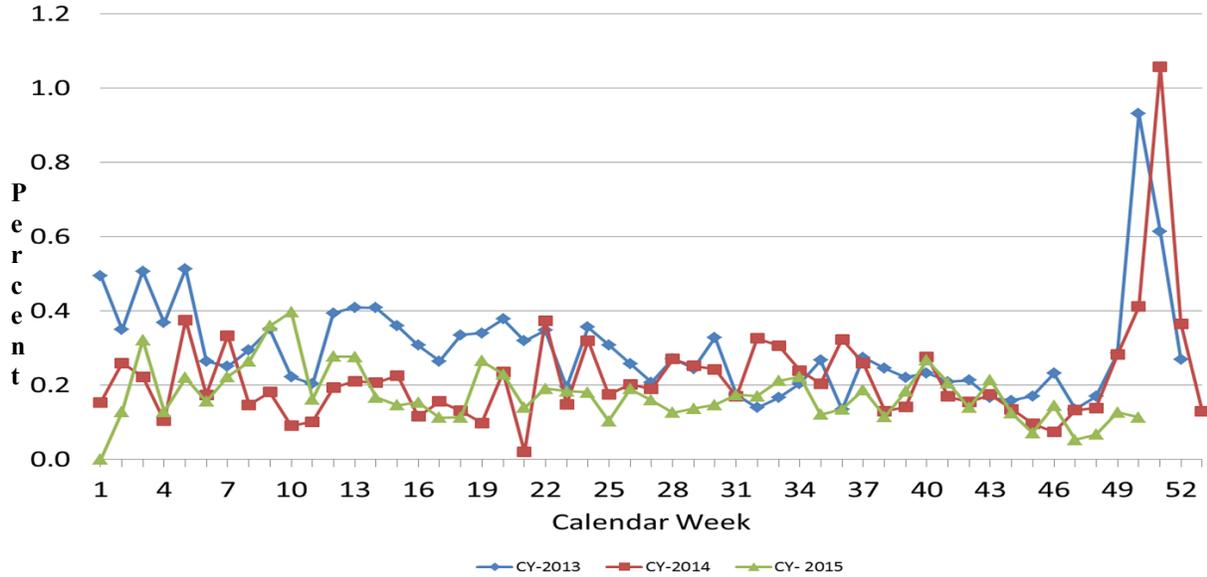
LAKE COUNTY: (Cont)

General Sentinel Site:

Week 50 (13 - 19 Dec 15)



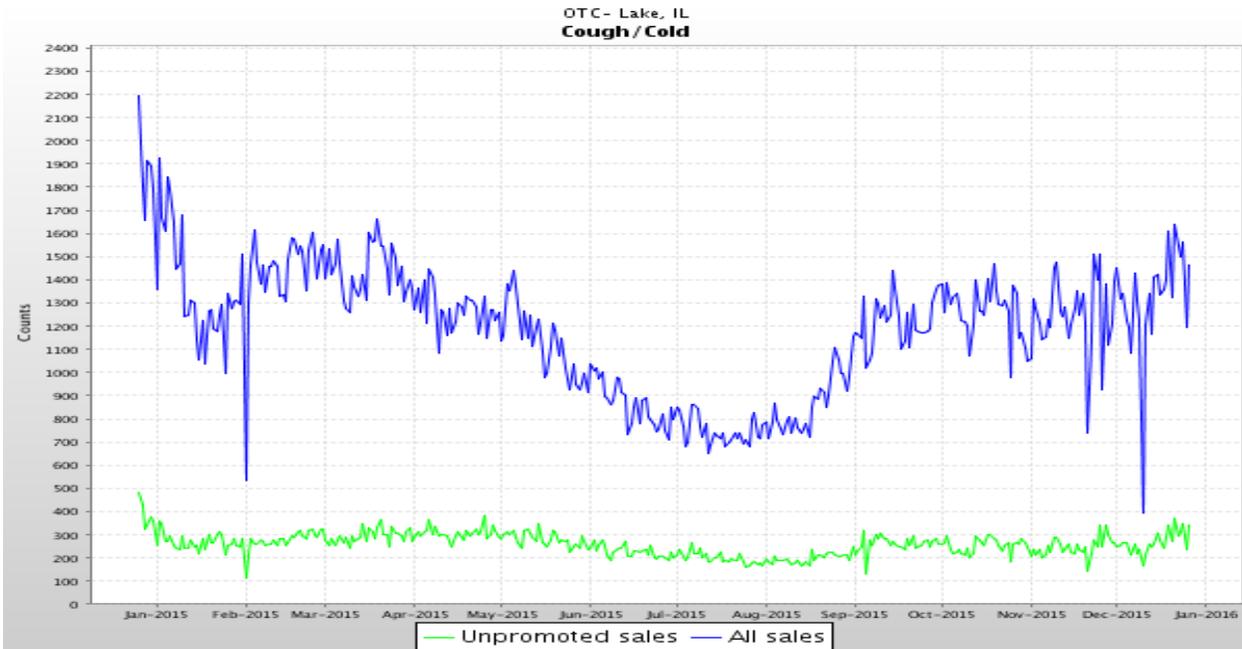
**Febrile Respiratory Illness Rate
(per 100 Doctor visits)**



Sentinel Pharmacies:

Real Time Outbreak and Disease Surveillance (RODS)

*Past 12 Months
(27 Dec 14 - 26 Dec 15)*



- 54 of 62 (87.1%) of Lake County Pharmacies reporting.

REGIONAL:

Suburban Cook County:

Week 50 (13 - 19 Dec 15)



Flu activity is currently **“Increasing”**

ICU flu-associated admissions for week **50**: **4**

Total since week **35** (24Aug14): **14**

Wisconsin (SE Region):

Week 49 (6 - 12 Dec 15)



	<u>Current Week</u>	<u>Previous Week</u>
Flu/ILI Activity:	Low	Low

ILI activity in Region V: (WI, MN, IL, MI, OH, IN) is **Below** baseline levels.
Current circulating viruses: Rhinovirus and para-influenza viruses are predominate this week.

ILLINOIS:

Week 50 (13 - 19 Dec 15)



- For this reporting week, the proportion of outpatient visits for influenza-like illness (ILI) was **1.32%**, which is **below** the regional baseline of **1.90%**.
- Based on CDC criteria, Illinois influenza activity is classified as **“No Activity”** for this reporting week.
- For this reporting week there were **0.7%** (4/599) of influenza specimens tested by WHO/NREVSS collaborating Illinois laboratories and Illinois Department of Public Health Laboratories. So far this season, **1.7%** (97/5766) of specimens tested positive for Influenza.
- **6** influenza –associated Intensive Care Unit (ICU) admissions were reported for this reporting week. Season total: **38**
- There were **0** influenza-associated pediatric deaths reported this week.
- For this reporting week, **No** influenza outbreaks were reported. Season total: **2**

No Activity:	No laboratory confirmed cases of influenza.
Sporadic:	Isolated lab-confirmed cases OR Lab confirmed outbreak in one institution.
Local:	Recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI 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:	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. OR Institutional outbreaks (ILI or lab confirmed) in >2 and less than half of the regions AND recent lab confirmed influenza in the affected regions. A region is defined as the regions States use for public health purposes.
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.

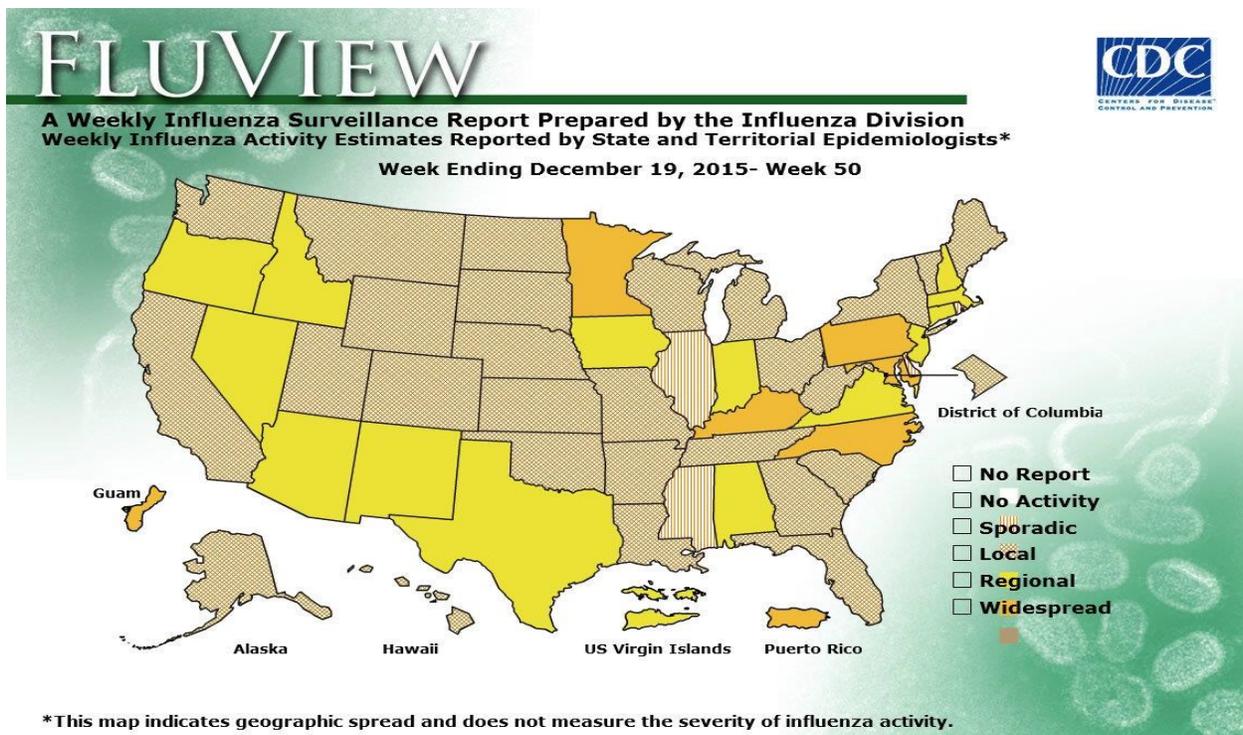
NATIONWIDE:

Week 50 (13 - 19 Dec 15)



During Week 50: Influenza activity increased slightly in the United States.

- **Viral Surveillance:** The most frequently identified flu virus type reported by public health laboratories during week 50 was influenza A, with influenza A (H1N1)pdm09 viruses predominating. The % of respiratory specimens testing positive for flu in clinical labs was low.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- **Influenza-associated Pediatric Deaths:** One flu-associated pediatric death was reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 2.2%, which is above the national baseline of 2.1%. Four of 10 regions reported ILI at or above region-specific baseline levels. One state experienced high ILI activity; Puerto Rico and two states experienced moderate ILI activity; New York City and three states experienced low ILI activity; 44 states experienced minimal ILI activity.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Guam, Puerto Rico, and five states was reported as regional; the U.S. Virgin Islands and 14 states reported local activity; the District of Columbia and 27 states reported sporadic activity; and four states reported no influenza activity.



U.S. Virologic Surveillance: (WHO and NREVSS collaborating labs)

Week 50 (13 - 19 Dec 15)

Total flu isolates tested:	<u>12,890</u>	
Number of positive isolates (%)	372	(2.9%)
<u>Influenza A:</u>	211	(56.7%)
<u>Influenza B:</u>	161	(43.3%)