



Lake County Health Department and Community Health Center

Week 13

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Executive Director

(27 Mar -
2 Apr 16)*

2015-16 Flu Season Lake County Weekly Influenza Monitoring Report

Weekly Summary:

Lake County: Visits to the Lake County Health Departments Community Health Center clinics (LCHD/CHC) for both upper respiratory infections or influenza-like-illness (ILI) increased a modest 13% after visits had declined for the past 4 continuous weeks. School surveillance for general absenteeism and ILI was discontinued (during spring break) and will resume again in the fall. **Cook County:** Both influenza activity and intensive care unit admissions continue to decline. Cooks totals so far this flu season: 12 clusters of influenza in schools/daycares, 2 influenza outbreaks in long term care facilities, and 0 influenza pediatric deaths. **Wisconsin:** Flu activity is moderate throughout the State, but low in the southeastern region which borders Lake County. **Illinois:** Outpatient visits for ILI are still hovering above baseline and are currently at 2.54%, keeping flu activity listed as “Regional”. The baseline in Illinois is 1.9%. **Nationwide:** Flu activity has begun to decrease, but remains elevated in the United States. While it’s possible that activity might have peaked for the season, some parts of the country are still experiencing high levels of flu activity and ongoing activity is expected to continue for several weeks nationally. Widespread flu activity has dropped from 39 states to 29 states (a 26% decrease) in the past reporting week. During this week, the proportion of people seeing their health care providers for ILI decreased from 3.2% to 2.9%. This is still above the national baseline of 2.1%.

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.

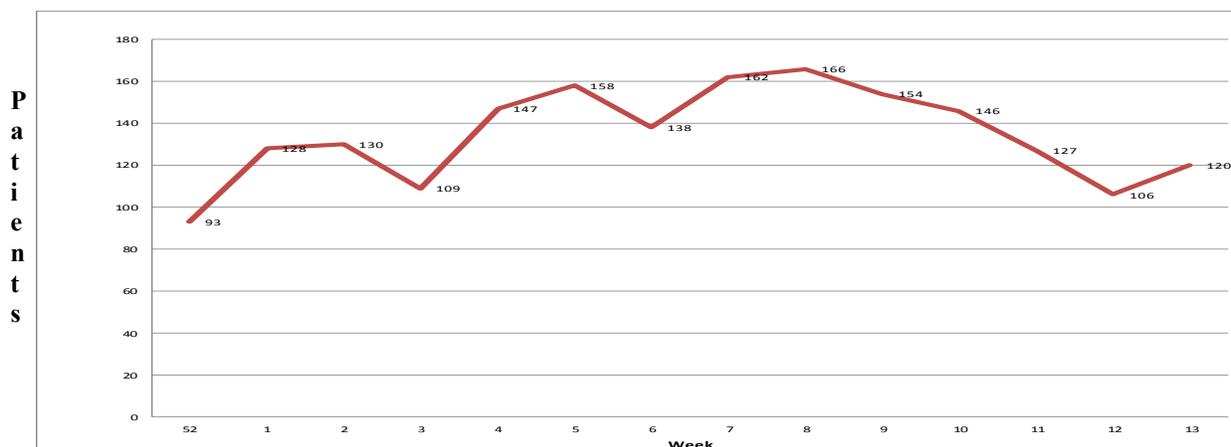
**Our report contains different flu weeks presented due to the different reporting dates of sources.*

LAKE COUNTY:

Week 13 (27 Mar - 2 Apr 16)



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



LAKE COUNTY: (Cont)

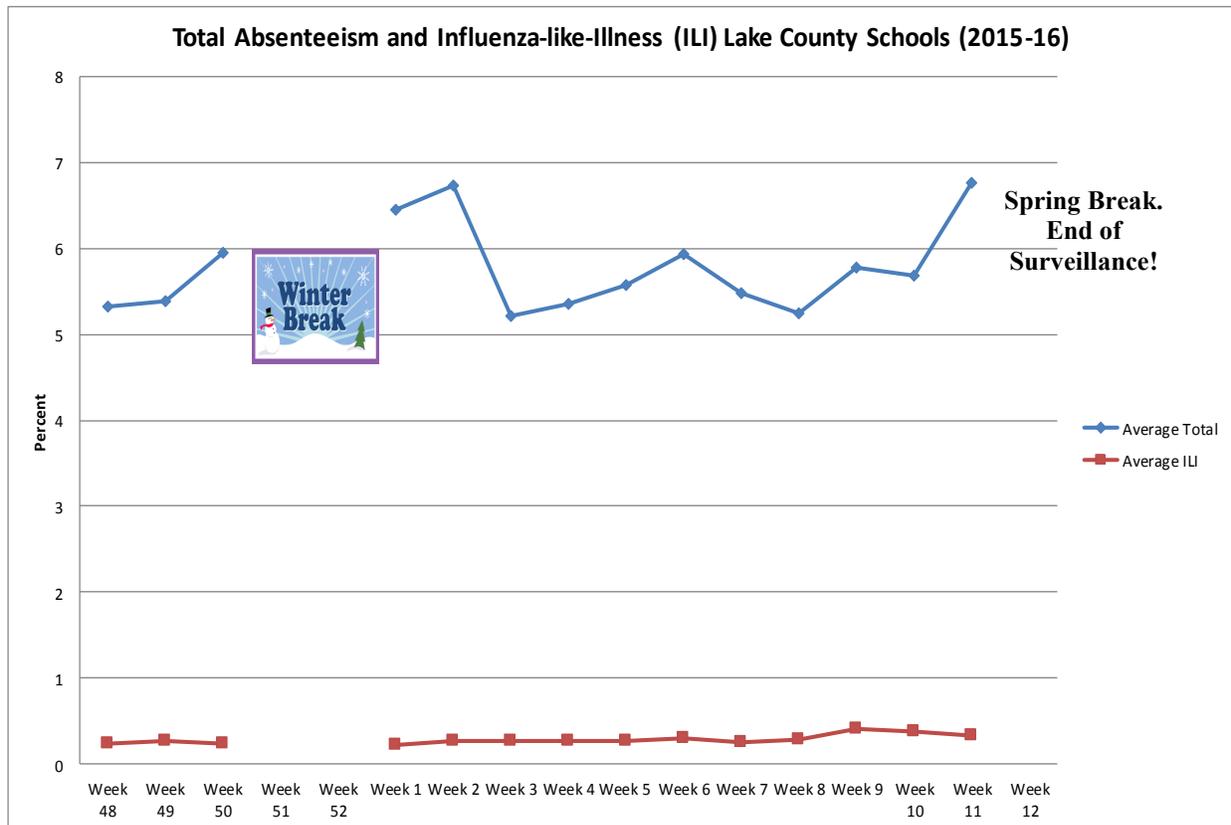


Surveillance ended after Week 11

School Influenza-like Illness (ILI) Surveillance

Reporting School Districts: *Barrington (220), Community (128), Libertyville (70), Round Lake (116), Wauconda (118), Waukegan (60) and Zion (6)*

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



"Reportable" to the Lake County Health Department:

Week 13 (27 Mar - 2 Apr 16)

	<u>Week 13</u>	<u>Prior Week</u>	<u>*Cumulative</u>
Flu - Intensive care unit (ICU) admissions:	0	3	26
Flu - Pediatric Deaths (0-18):	0	0	0
Flu - Outbreaks reported ** (Congregate settings):	0	0	3

***Cumulative since week 44 (1-7 Nov 15). Single positive flu tests are not reportable.**

****Correctional facilities, Long Term Care facilities & Hospitals.**

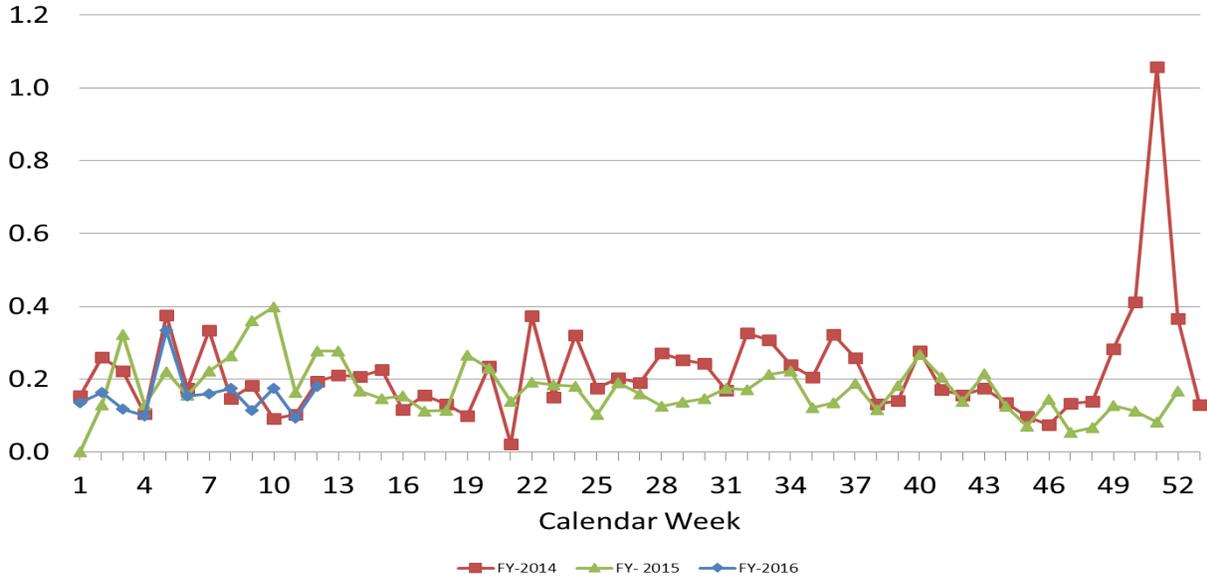
LAKE COUNTY: (Cont)

General Sentinel Site:

Week 12 (20 - 26 Mar 16)



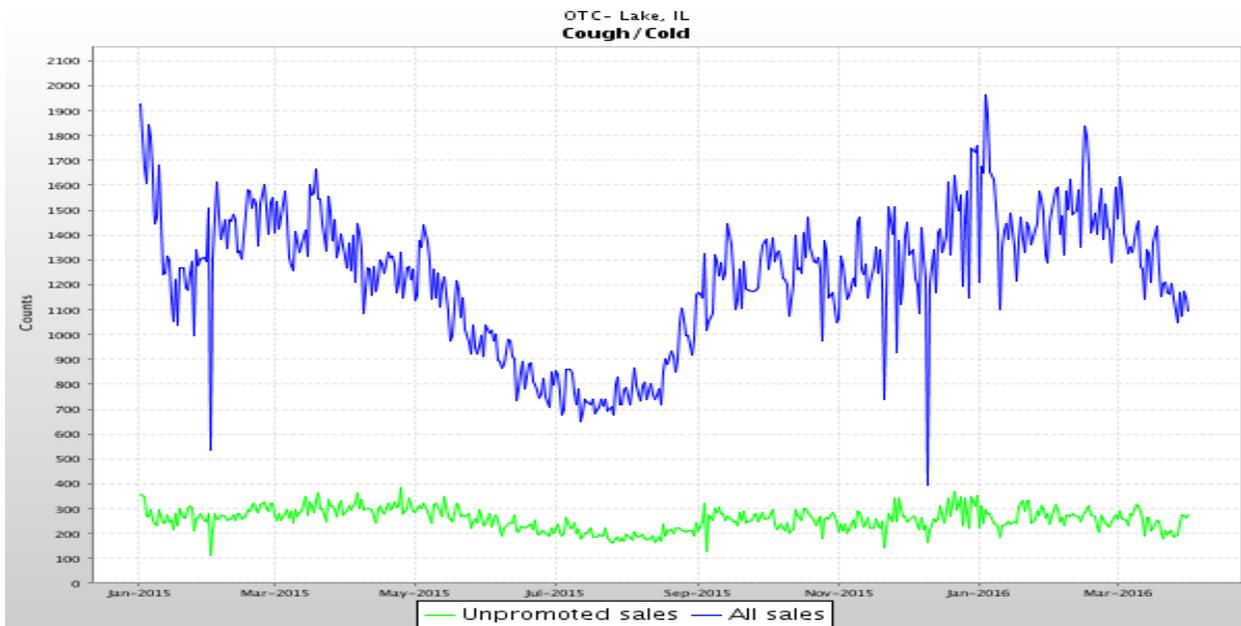
Febrile Respiratory Illness rate (Per 100 Doctor visits)



Sentinel Pharmacies:

Real Time Outbreak and Disease Surveillance (RODS)

*Past 15 Months
(03 Jan 15 - 02 Apr 16)*



- Cough & Cold medicine purchases
- 59 of 66 (89.4%) of Lake County Pharmacies reporting

REGIONAL:

Suburban Cook County:

Week 12 (20 - 26 Mar 16)



Flu activity is currently **“Decreasing”**

Intensive care unit flu-associated admissions for week **12**: **05**

Total since week **35** (August 30th, 2015): **173**

Wisconsin (SE Region):

Week 12 (20 - 26 Mar 16)



Flu/ILI Activity:

	<u>Current Week</u>	<u>Previous Week</u>
	Low	Moderate

ILI activity in Region V: (WI, MN, IL, MI, OH, IN) is **Above** baseline levels.
Current circulating viruses: Influenza A, RSV and Metapneumovirus are the predominate viruses this week.

ILLINOIS:

Week 12 (20 - 26 Mar 16)



- For this reporting week, the proportion of outpatient visits for influenza-like illness (ILI) was **2.54%**, which is **Above** the regional baseline of **1.90%**.
- Based on CDC criteria, Illinois influenza activity is classified as **“Regional”** for this reporting week.
- For this reporting week, **11.3%** (108/958) of influenza specimens, tested positive by WHO/NREVSS collaborating Illinois laboratories and the Illinois Department of Public Health Laboratories. So far this flu season, **7.9%** (1,558/19,718) of specimens tested were positive for Influenza.
- 34 Influenza –associated Intensive Care Unit (ICU) admissions were reported for this week.
- Influenza-associated pediatric deaths this flu season: **2**
- For this reporting week, **3** influenza outbreaks were reported throughout the state.
Season total: **30**

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.

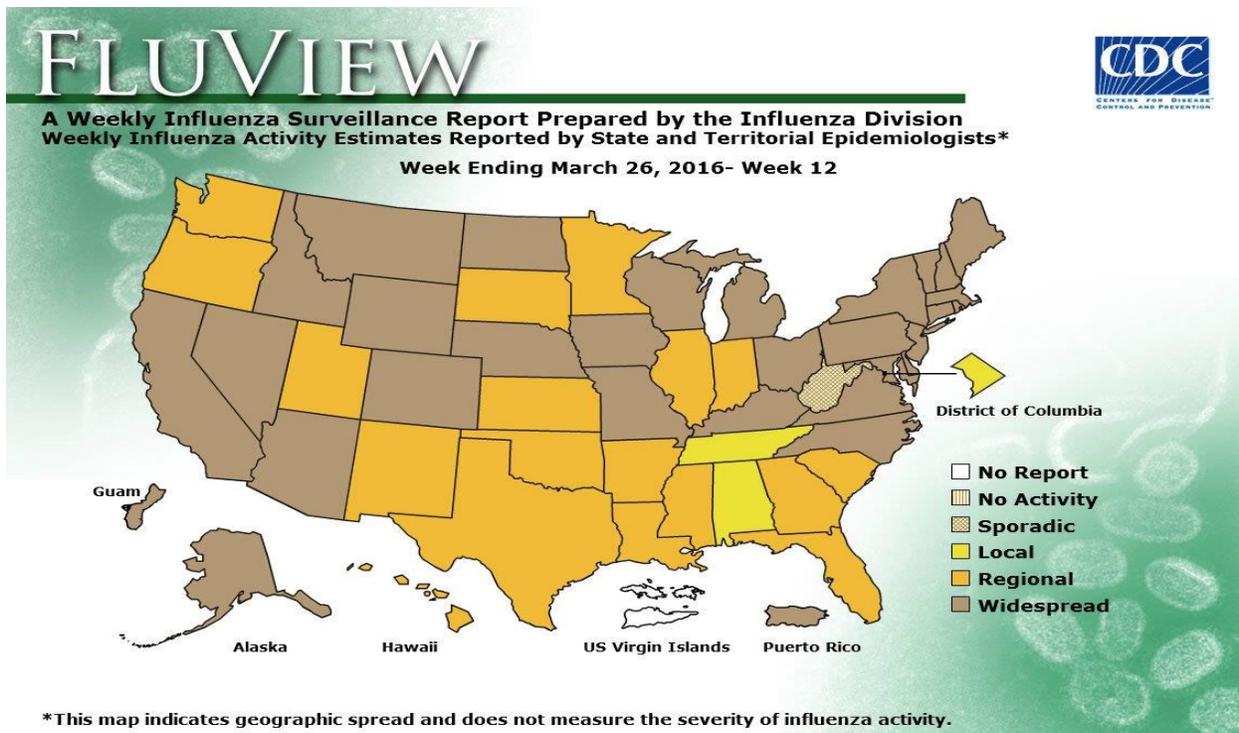
NATIONWIDE:

Week 12 (20 - 26 Mar 16)



During Week 12: Influenza activity decreased slightly, but remained elevated in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus type reported by public health labs during week 12 was influenza A, with influenza A (H1N1) viruses predominating. The percent of respiratory specimens testing positive for influenza in clinical laboratories decreased.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- **Influenza-associated Pediatric Deaths:** Three flu-associated pediatric deaths were reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 2.9%, which is above the national baseline of 2.1%. Nine of 10 regions reported ILI at or above region-specific baseline levels. Puerto Rico and two states experienced high ILI activity; New York City and seven states experienced moderate ILI activity; 15 states experienced low ILI activity; 26 states experienced minimal ILI activity.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Guam, Puerto Rico and 29 states was reported as widespread; 18 states reported regional activity; the District of Columbia and two states reported local activity; one state reported sporadic activity; and the U.S. Virgin Islands did not report.



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

Week 12 (20 - 26 Mar 16)

Total flu isolates tested:	<u>21,959</u>	
Number of positive isolates (%)	4,022	(18.3%)
<u>Influenza A:</u>	2,915	(72.5%)
<u>Influenza B:</u>	1,107	(27.5%)