

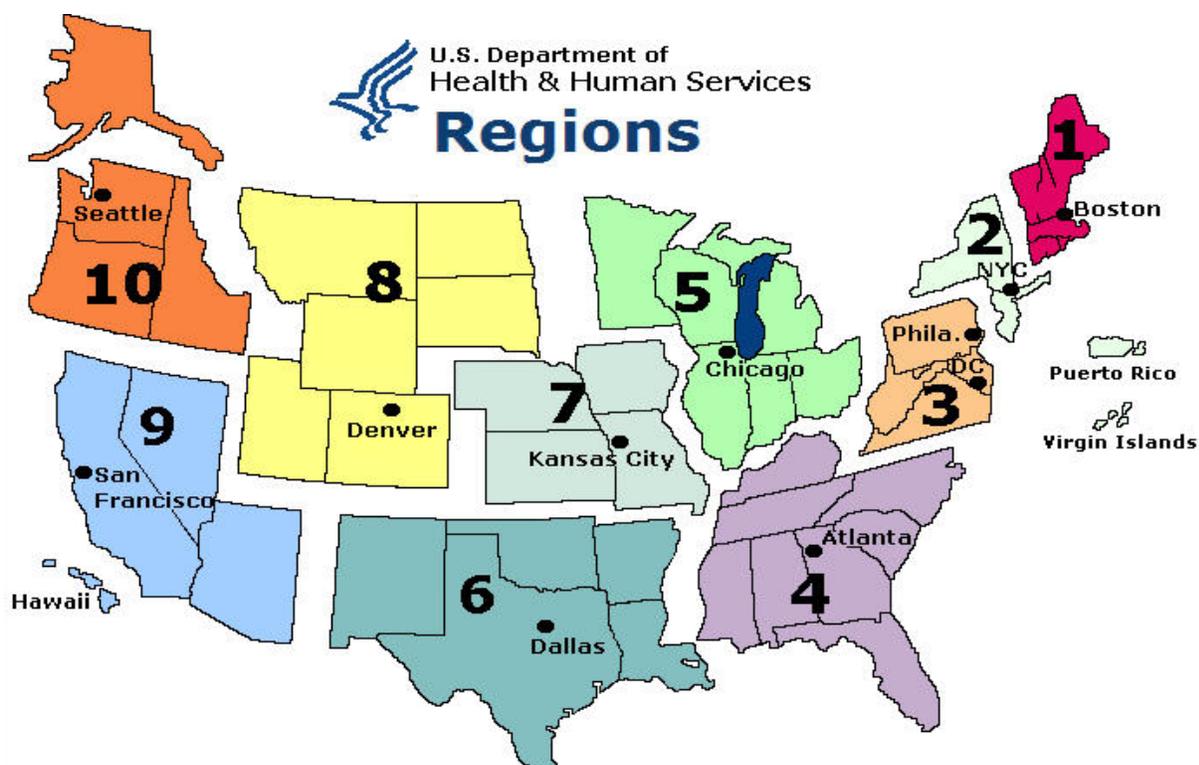


Weekly Influenza Report Week 37 (09/13/09-09/19/09)

National Synopsis: Seasonal:

Synopsis: During week 37 (September 13-19, 2009), influenza activity increased in the U.S.

- 2,326 (23.9%) specimens tested by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories and reported to CDC/Influenza Division were positive for influenza.
- 99% of all subtyped influenza A viruses being reported to CDC were 2009 influenza A (H1N1) viruses.
- The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- Three influenza-associated pediatric deaths were reported and all three were associated with 2009 influenza A (H1N1) virus infection.
- The proportion of outpatient visits for influenza-like illness (ILI) was above the national baseline. Regions 2 through 10 reported ILI above region-specific baseline levels; only Region 1 was below its' region-specific baseline.
- Twenty-six states reported geographically widespread influenza activity, 11 states reported regional influenza activity, 12 states, the District of Columbia, and Puerto Rico reported local influenza activity, one state and Guam reported sporadic influenza activity, and the U.S. Virgin Islands did not report.
- The 2009-10 influenza season officially begins October 4, 2009.



-
- **Region III: DE, DC, MD, PA, VA, WV**

DELAWARE INFLUENZA SURVEILLANCE:

Total Laboratory Confirmed Cases of Seasonal Influenza: 1,299

Influenza A: 484
Influenza B: 283 **
Influenza A&B: 2
Influenza A-H1N1: 530 ^a

Counties:

- **New Castle** – 668
- **Kent** – 339
- **Sussex** – 292

Age Range: 13 days – 94 yrs

Deaths: 1 reported in week 13

Hospitalization: 1 (27 yr old pregnant female)

Total Unconfirmed Cases: 143

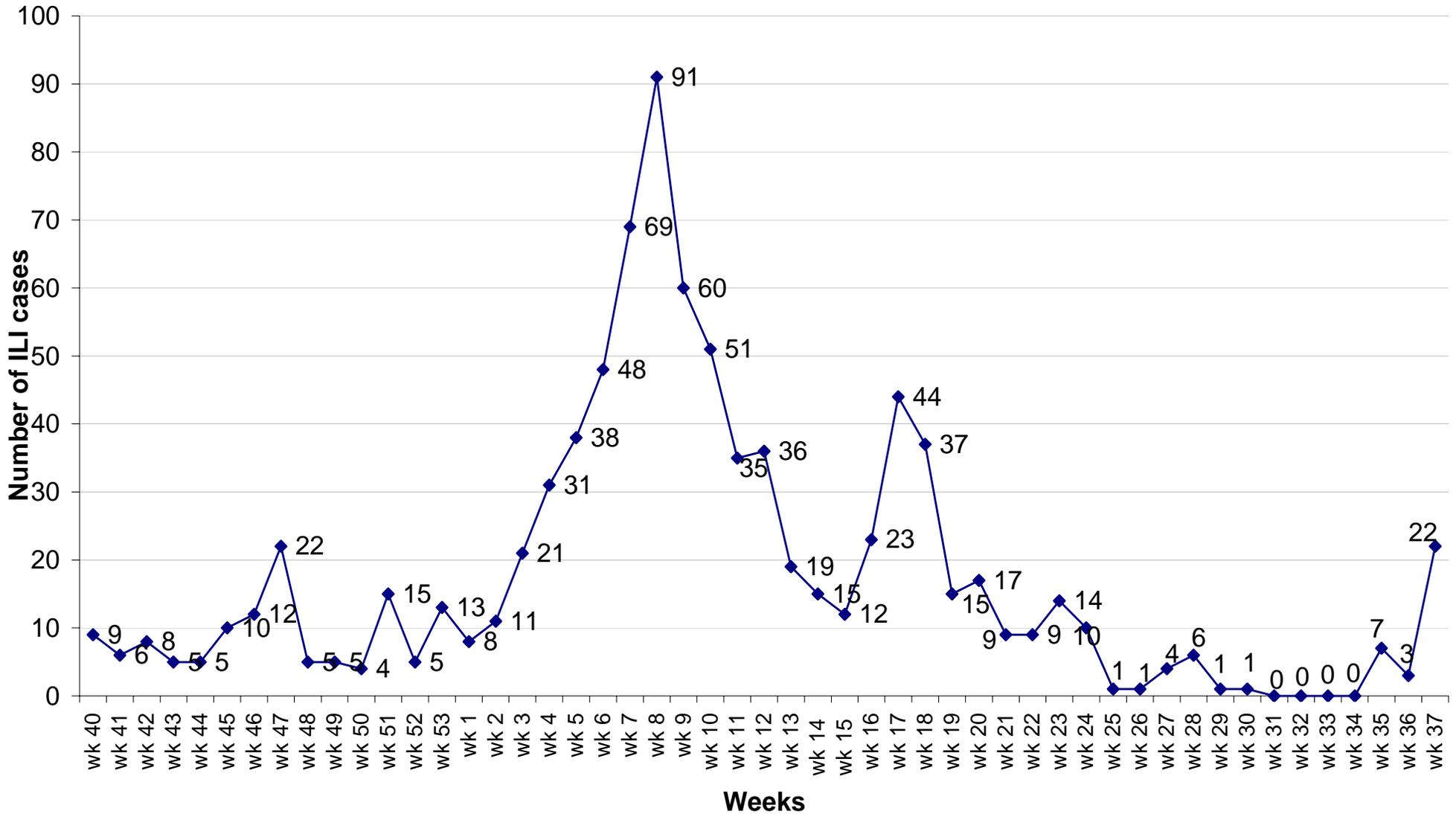
Influenza Activity for Week 37: Widespread ^{††}

- ➡ **No Activity:** No laboratory-confirmed cases of influenza and no reported increase in the number of cases of ILI.
- ➡ **Sporadic:** Small numbers or isolated cases of laboratory-confirmed influenza cases or a single laboratory-confirmed influenza outbreak has been reported, but there is no increase in cases of ILI.
- ➡ **Local:** Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in a single region of the state.
- ➡ **Regional:** Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least 2 but less than half the regions of the state. (This level of activity does not apply for small states with 4 or fewer regions.)
- ➡ **Widespread:** Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in at least half the regions of the state.

**** NOTE:**

- DPH Laboratory ceased testing of Influenza B specimens May 3, 2009. The data provided above represents testing performed prior to May 3, 2009.
- **For surveillance purposes, effective 8/30/2009, ALL influenza cases (including H1N1) will be reported as “Human Influenza” with a designated subtype. We will no longer be reporting Novel H1N1 and human influenza cases separately.**
- ^a **Influenza A-H1N1: Represents total number of confirmed cases up to date. Despite reporting changes (described above) data for H1N1 will not be reset until the 2009-2010 Influenza Season.**
- ^{††} **During this week, influenza activity continued to increase in DE compared to the previous weeks. Visits to doctors for ILI are also increasing. Due to a combination of increasing ILI and Influenza cases, Delaware is now reporting WIDESPREAD influenza activity.**

ILI cases reported from Sentinel providers
5 of 12 sentinel providers reporting

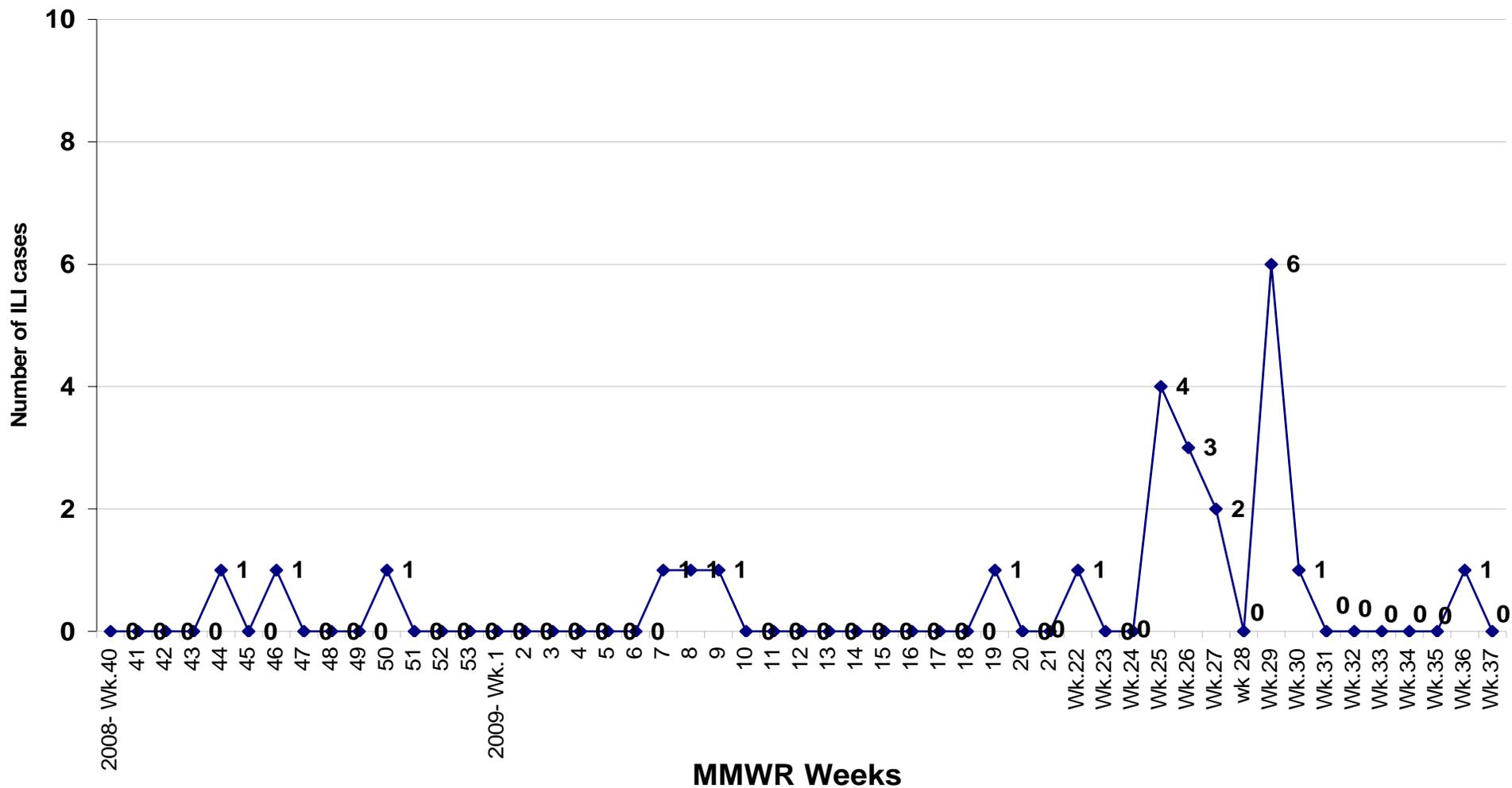


Note: This data is current as of distribution date and is subject to change.
Starting with Week 16: Due to the H1N1 outbreak, ILI may be increased.

ILI cases reported from Corporations/LTCF

4 of 5* sites reporting

(*one organization that previously reported is no longer participating)

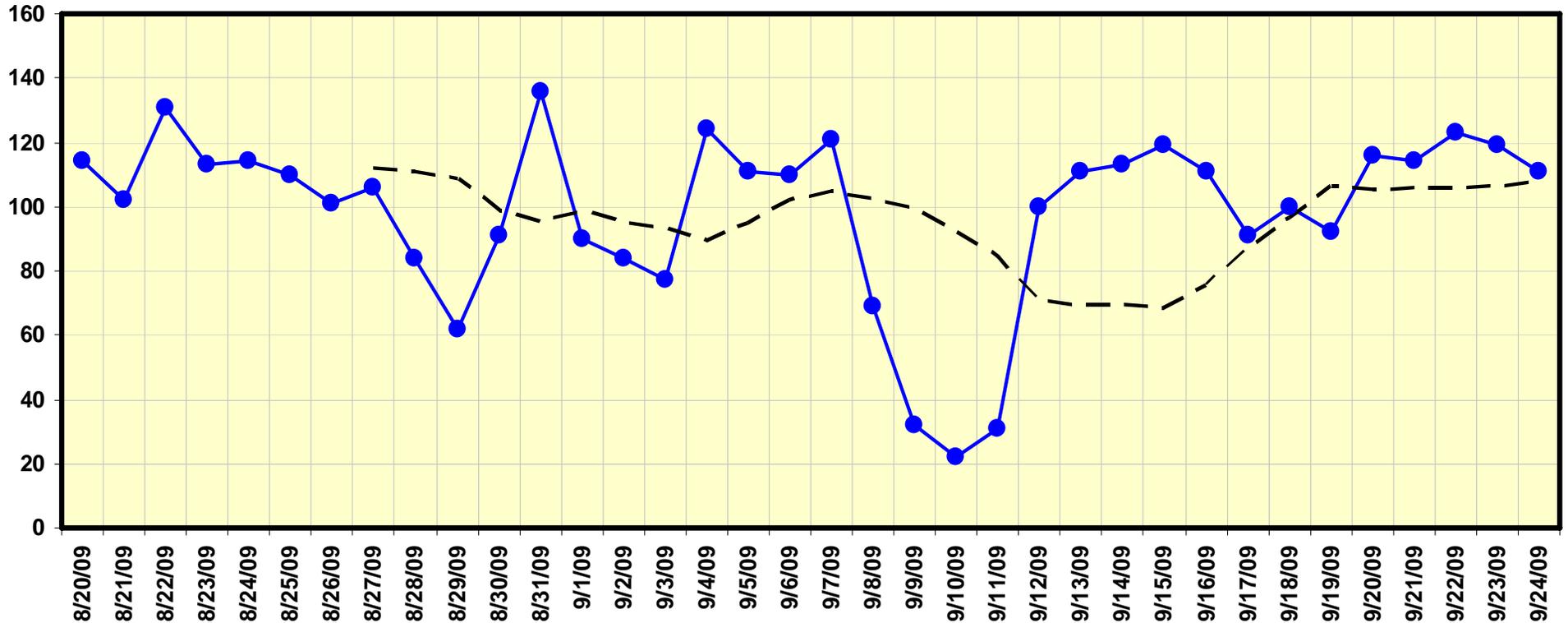


Note: This data is current as of distribution date and is subject to change

Starting with Week 16: Due to the H1N1 outbreak, ILI may be increased.

Hospital Respiratory Chief Compliant Surveillance Data
5 of 5 Hospitals
(Beebe, Christiana Care, Kent, Milford, Wilmington)

Respiratory

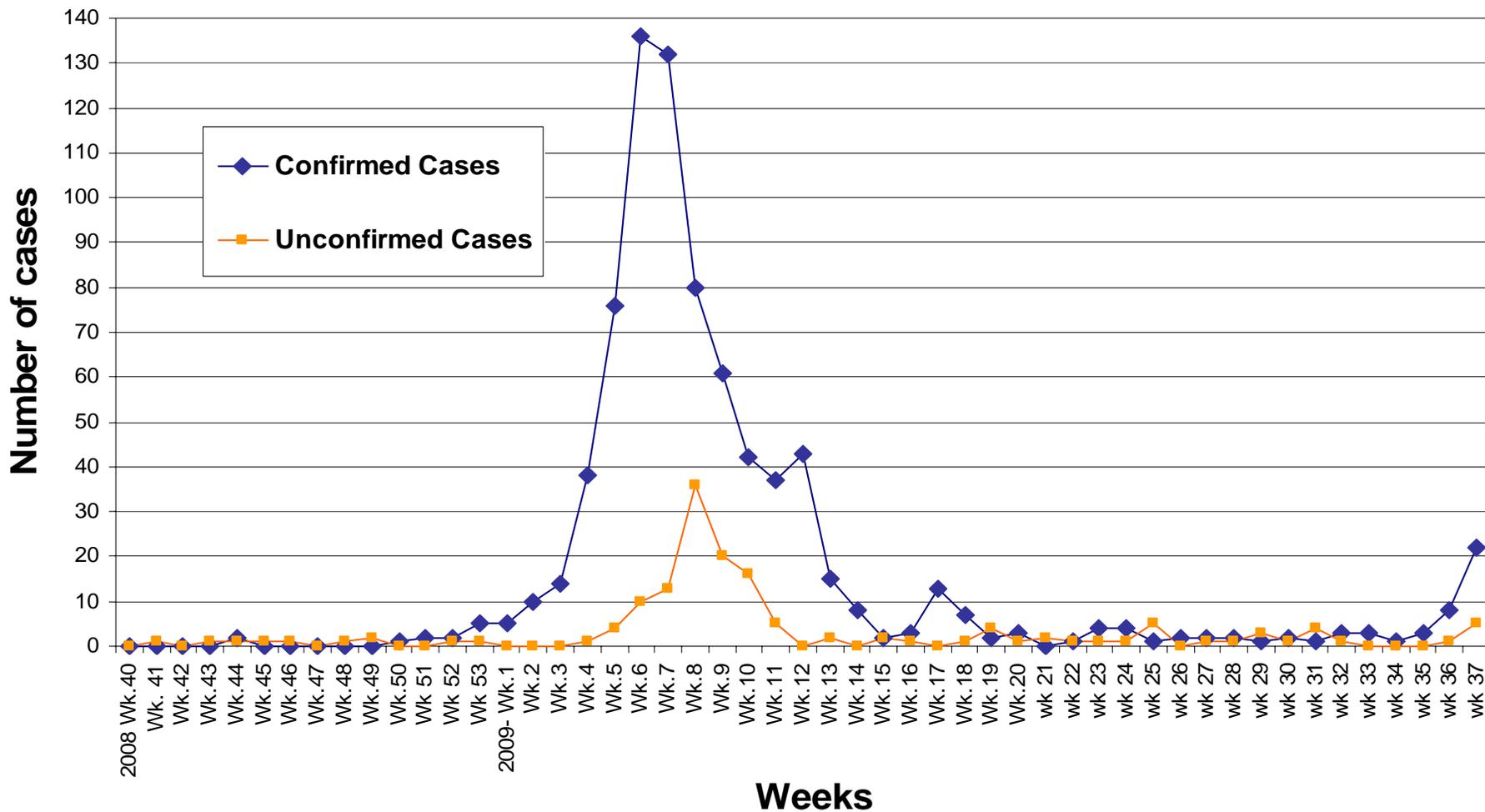


- - - Avg Last 7 Intervals

Cusum Flags: C1=Mild Sensitivity C2=Moderate Sensitivity C3=Ultra Sensitivity

=C1
 =C1C3
▲ =C2C3
 =C3
◆ =C1C2C3

2008-2009 Influenza Seasons Confirmed and Unconfirmed Seasonal Influenza



***NOTE: Confirmed cases: PCR (Polymerase Chain Reaction) positive or Influenza culture positive.
Unconfirmed cases: Rapid assay positive, not confirmed with PCR or culture.**