



Weekly Influenza Report Week 32 (08/09/09-08/15/09)

National Synopsis: Seasonal

Synopsis: During week 32 (August 9-15, 2009), influenza activity remained stable in the United States; however, there were still higher levels of influenza-like illness than is normal for this time of year.

- o A total of 7,983 hospitalizations and 522 deaths associated with 2009 influenza A (H1N1) viruses have been reported to CDC.
- o During week 32:
 - o 525 (15.6%) 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.
 - o 98% of all subtyped influenza A viruses being reported to CDC were 2009 influenza A (H1N1) viruses.
 - o The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
 - o Four influenza-associated pediatric deaths were reported and all were associated with a 2009 influenza A (H1N1) virus infection.
 - o The proportion of outpatient visits for influenza-like illness (ILI) was below national and region-specific baseline levels.
 - o Two states reported geographically widespread influenza activity, eight states and Puerto Rico reported regional influenza activity, 14 states and the District of Columbia reported local influenza activity, and 26 states reported sporadic influenza activity.

DELAWARE INFLUENZA SURVEILLANCE:

Total Laboratory Confirmed Cases of Seasonal Influenza: 765

Influenza A: 479

Influenza B: 284 **

Influenza A&B: 2

Counties:

- **New Castle** – 347
- **Kent** – 248
- **Sussex** – 170

Age Range: 13 days – 94 yrs

Deaths: 1 reported in week 13

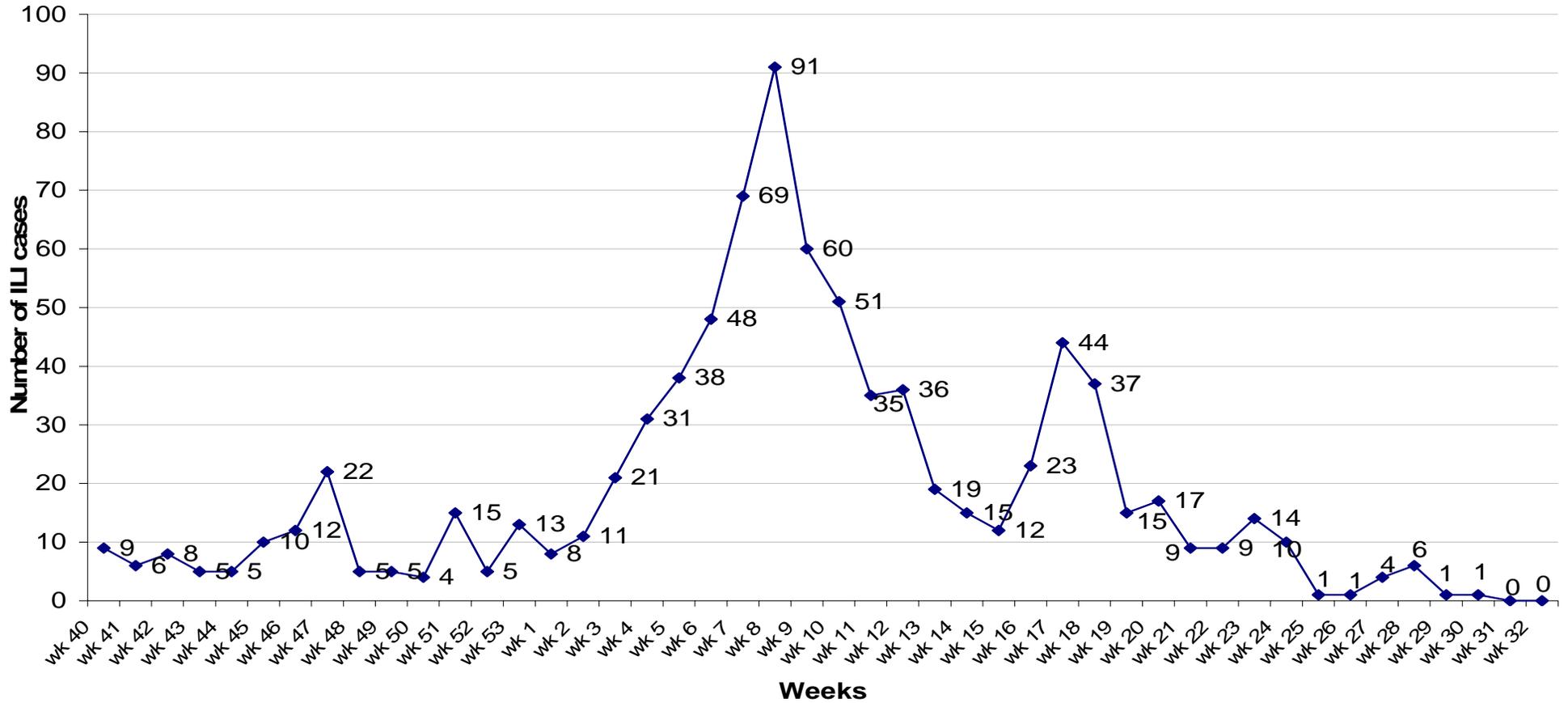
Total Unconfirmed Cases: 136

Influenza Activity for Week 32: Sporadic

**** NOTE:** DPH Laboratory ceased testing of Influenza B specimens May 3, 2009. The data provided above represents testing performed prior to May 3, 2009.

- ➔ **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.

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



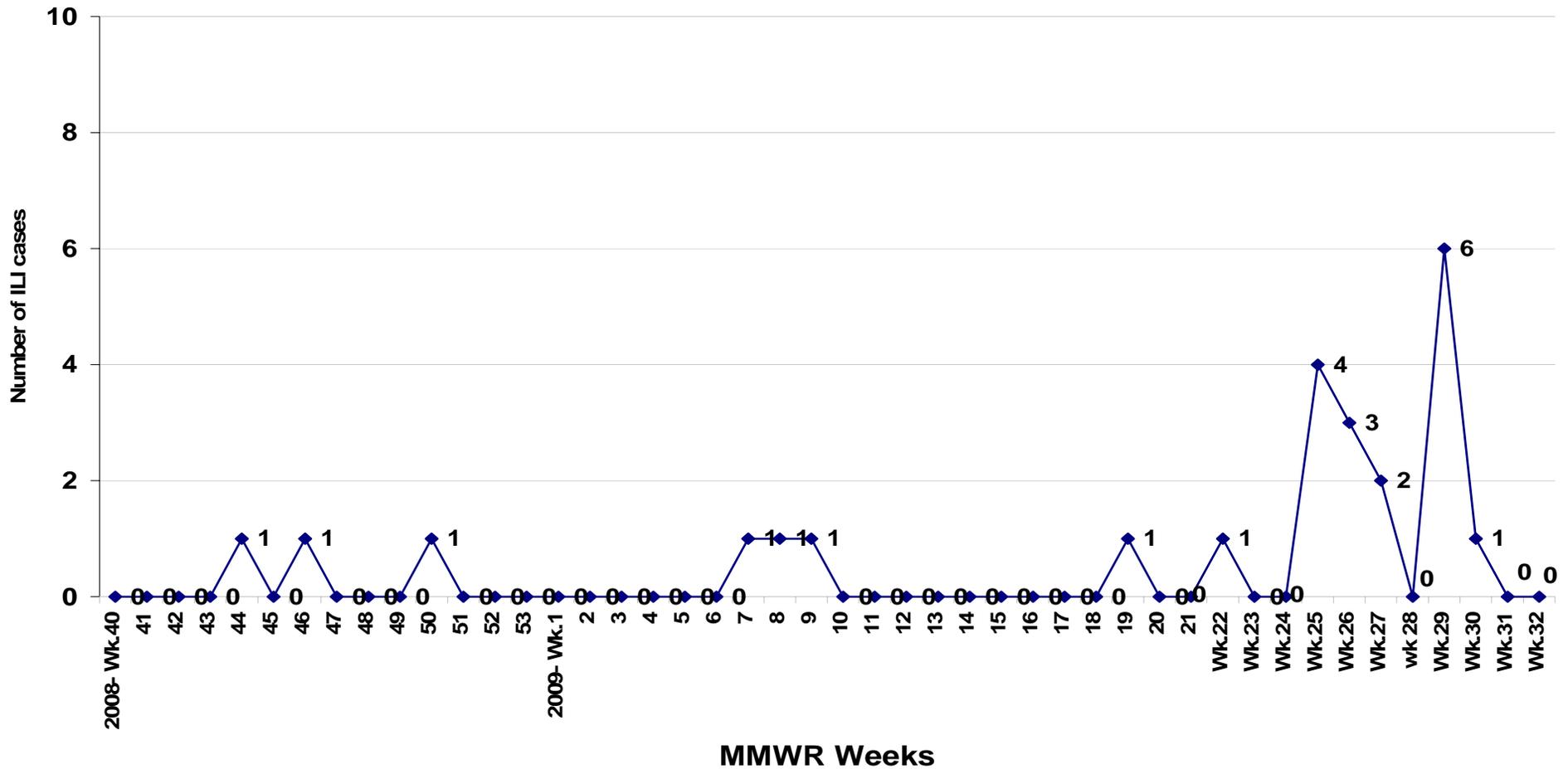
Note: This data is current as of distribution date and is subject to change.

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

ILI cases reported from Corporations/LTCF

3 of 5* sites reporting

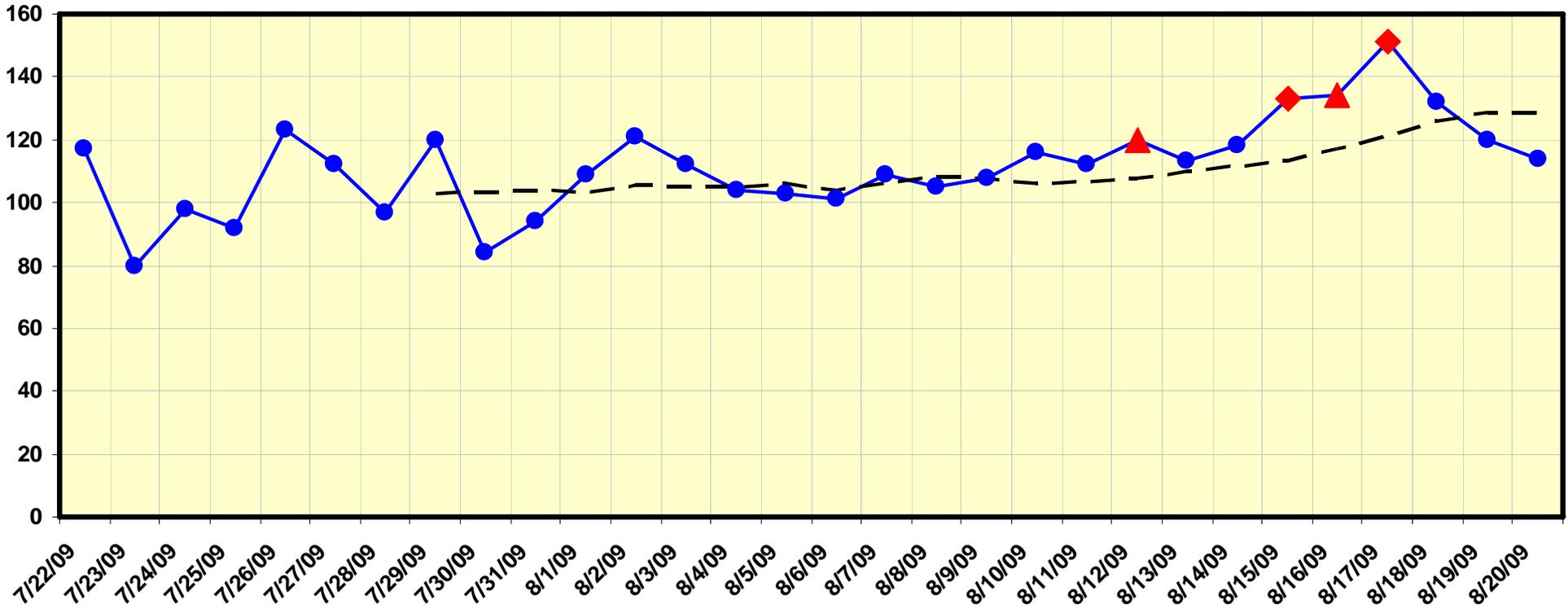
(*one organization that previously reported is no longer participating)



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

Respiratory

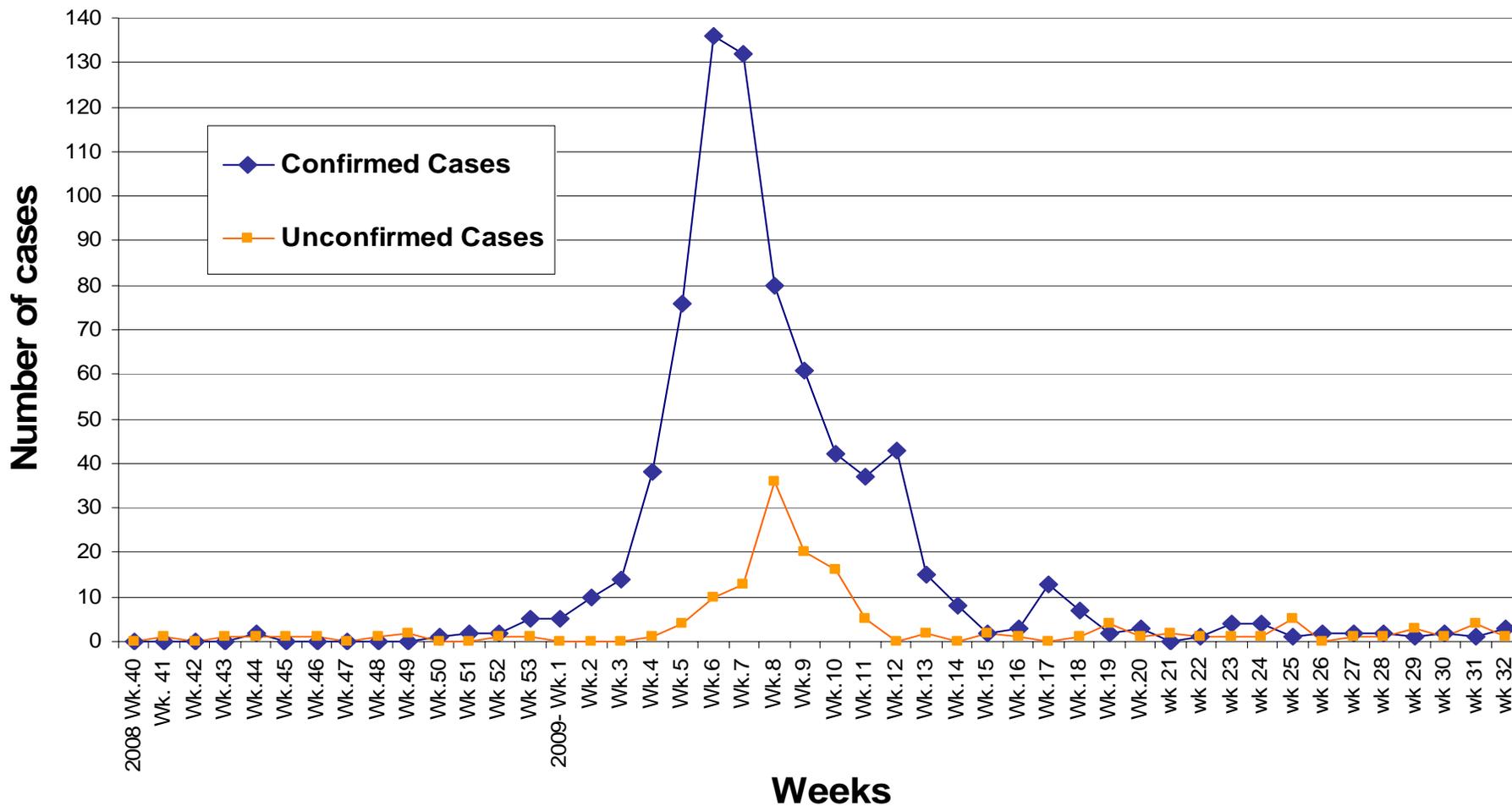


- - - Avg Last 7 Intervals

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

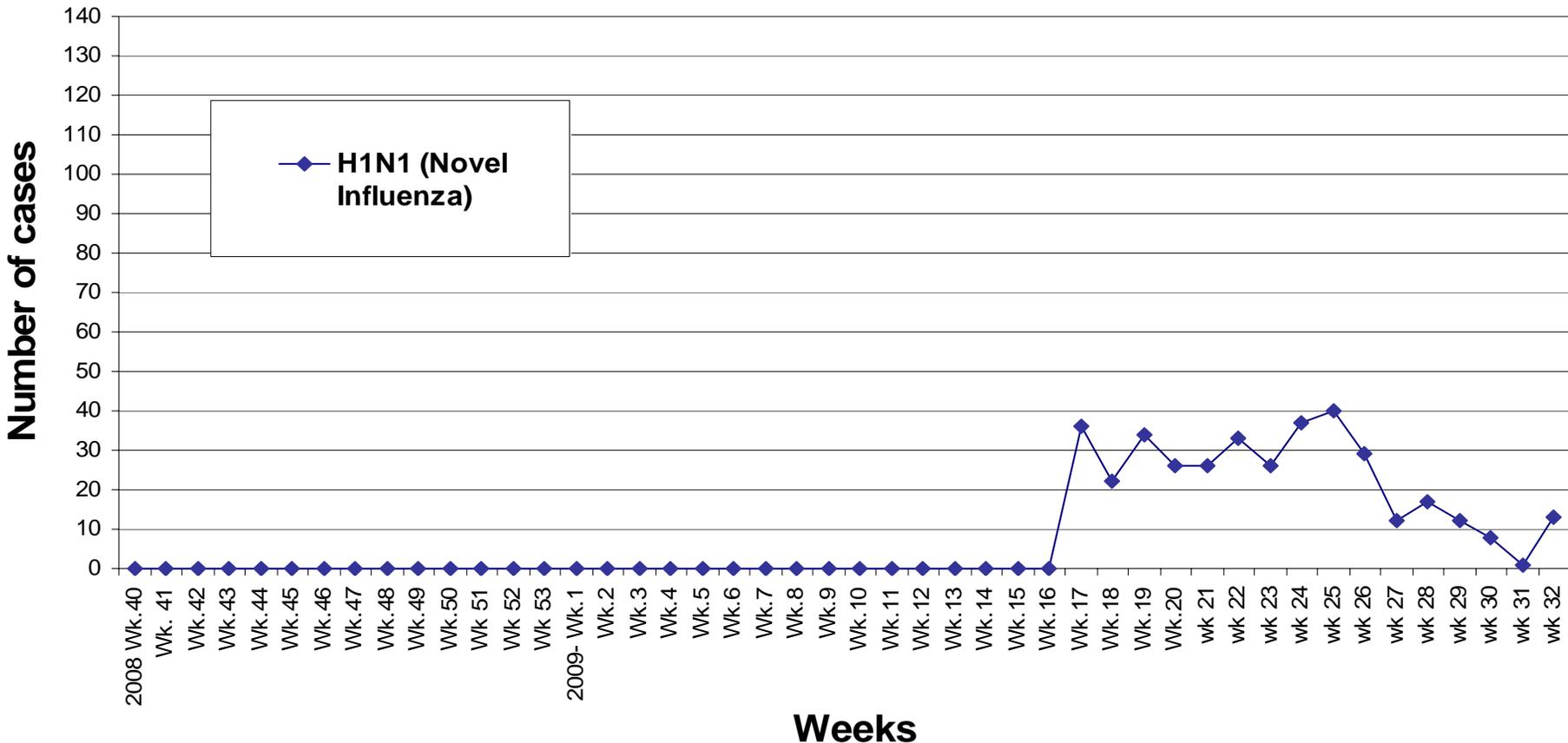
□ =C1
 ■ =C1C3
 ▲ =C2C3
 ◇ =C3
 ◆ =C1C2C3

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.**

**2008-2009 Influenza seasons
Confirmed H1N1 Novel Influenza**



****NOTE: H1N1 (Novel Influenza): PCR (Polymerase Chain Reaction) positive**