

**MARICOPA COUNTY INFLUENZA SUMMARY and RSV UPDATE**  
**WEEK 48 (11/28/10-12/4/10)**

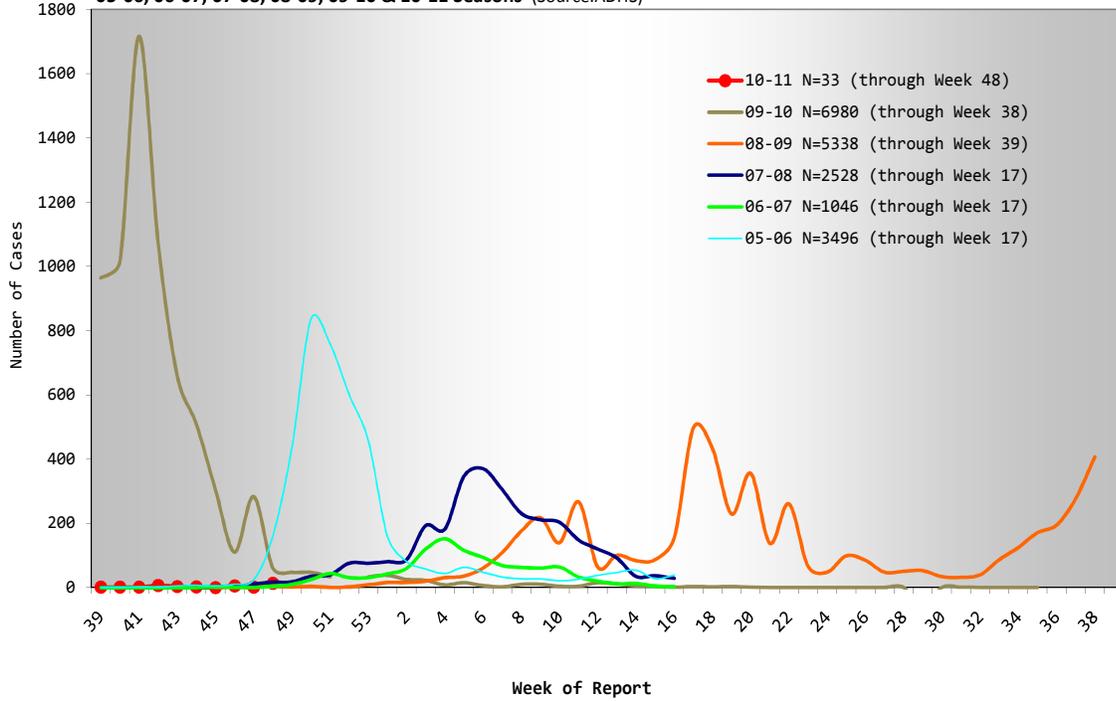
Data contained in this report reflect the time period above except where noted.

- **Current Key Findings:** The first day of the 2010-2011 Influenza season in Maricopa County was September 26<sup>th</sup>, 2010 and will continue through October 1, 2011. Maricopa County experienced increasing flu activity in the past week. Maricopa has a total of 33 confirmed cases of Influenza. The following serotypes have been reported: Types A (10), A/H3 (12), B (8), and Unknown (3).
- **Lab Confirmed Influenza:** Between Weeks 47 and 48 of 2010, 13 cases of Influenza have been confirmed at the Arizona State Laboratory.
- **Pneumonia & Influenza Mortality:** 5.31% of deaths from all causes were due to pneumonia or influenza during week 48.
- **Pediatric Deaths Associated with Laboratory-Confirmed Influenza:** No deaths have occurred in the 2010-11 season.
- **Influenza-Like Illness (ILI)** (Through week 48)
  - **Cigna Health Centers** (n=20): 0.0% of visits were due to ILI. Data was not provided by Cigna facilities for week 48. (provisional data; subject to change as updated information becomes available)
  - **Hospital Emergency Departments** (n=16): 2.58% of visits were due to ILI.
  - **Arizona State University Student Health Services:** 0.65% of visits were due to ILI.
- **Selected Emergency Department (ED) Visits:** (n=8)
  - Less than 1% of all visits were due to ILI. (As of 12/10/2010)
  - 14.84% of all visits were due to a respiratory syndrome. (As of 12/10/2010)
- **School Syndromic Surveillance** (criteria: ≥3 days/week of reporting and 50% known absenteeism): Less than 1% of students were absent from school due to an Influenza-like-illness during week 49. (As of 12/10/2010)
- **Respiratory Syncytial Virus (RSV):** Eleven new cases of RSV have been reported during week 48.

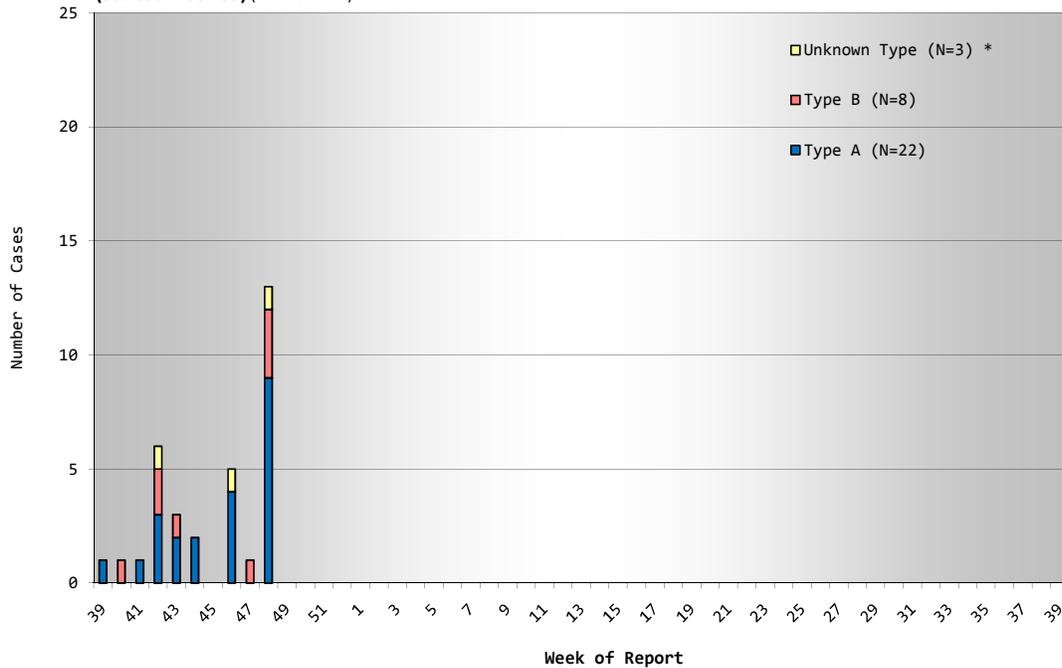
**Arizona Influenza Activity Levels:** (see definitions at <http://www.cdc.gov/flu/weekly/fluactivity.htm>)

	2010-2011	2009-2010	2008-2009	2007-2008	2006-2007
<b>This Week</b>	Local	Widespread	Sporadic	Sporadic	Sporadic
<b>Last Week</b>	Sporadic	Widespread	Sporadic	Sporadic	Sporadic
<b>Date First Case Confirmed</b>	Sept. 28, 2010	Confirmed during summer	Nov. 19, 2008	Nov. 19, 2007	Nov. 17, 2006
<b>Weeks with Widespread Activity</b>	-	Weeks 40 – 49	Weeks 6 – 13 Weeks 17 – 24 Weeks 35 – 39	Weeks 4 – 12	No widespread activity

**Lab-Confirmed Influenza Cases Reported:  
05-06, 06-07, 07-08, 08-09, 09-10 & 10-11 Seasons** (Source:ADHS)

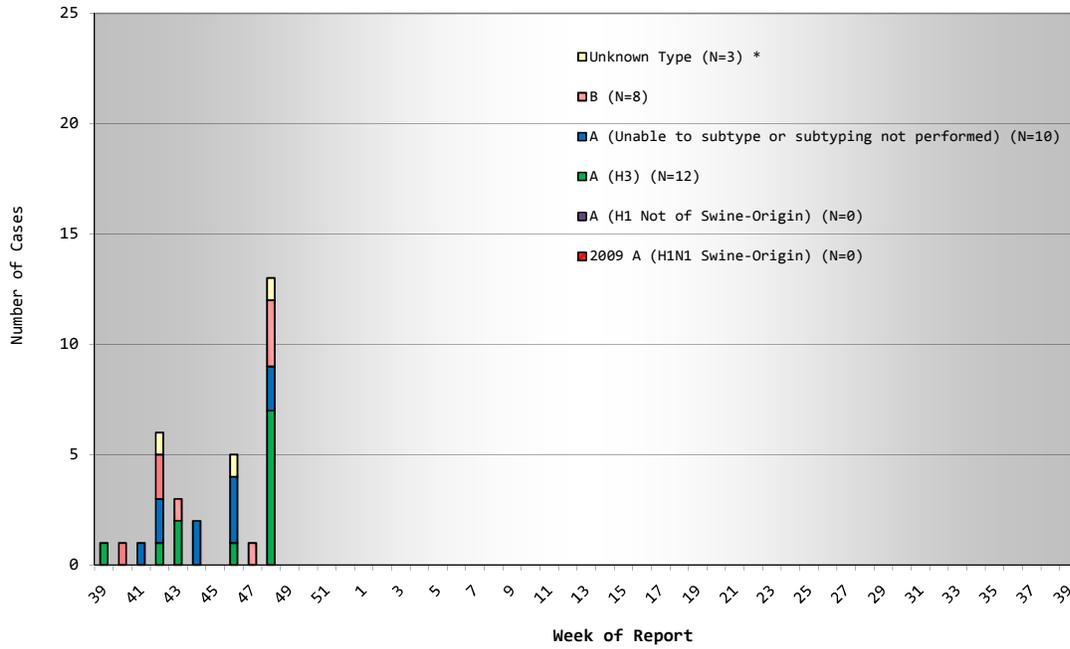


**Lab-Confirmed Influenza Cases Reported, 10-11 Season  
(Started week 39)** (Source:ADHS)



\*Sample sizes shown in chart legend represent confirmed influenza cases for the 2010-2011 season only. (Starting week 39)

**Lab-Confirmed Influenza Cases Reported, 10-11 Season  
(Started week 39)** (Source:ADHS)

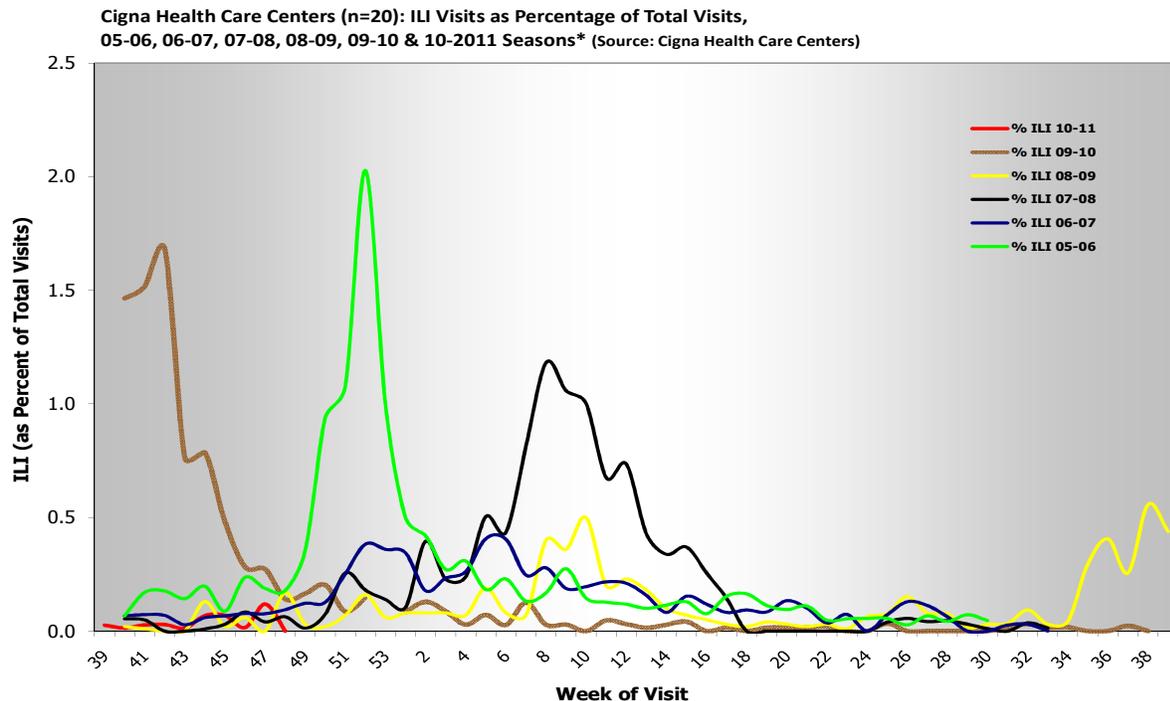


\*Sample sizes shown in chart legend represent confirmed influenza cases for the 2010-2011 season only. (Starting week 39)

## Influenza-Like Illness (ILI)\* Surveillance

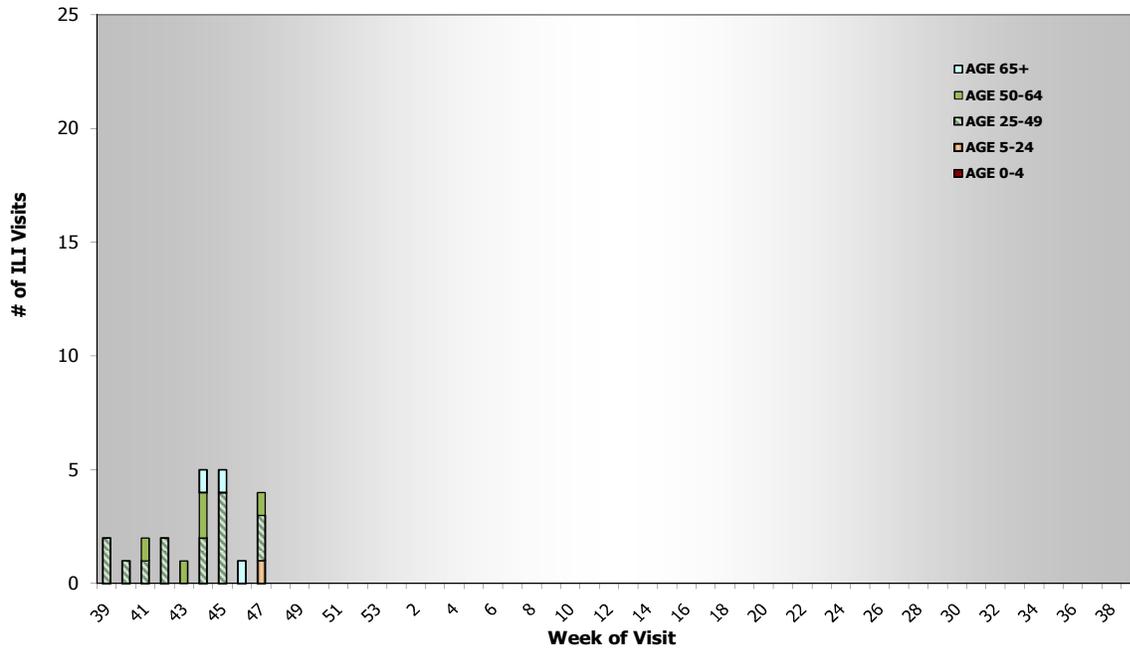
**\*ILI case definition: fever (at least 100°F) AND cough and/or sore throat.**

- During Week 48, 0.0% of patient visits to Cigna Health Care Centers (data from 20 centers, six departments) were due to ILI. During Week 48 of the two previous seasons, 0.14% (09-10) and 0.17% (08-09) of patient visits to Cigna Health Care Centers were due to ILI. (\*Provisional data; may change in subsequent reports as updated information becomes available.)
- The percentage of Emergency Department visits for ILI was 2.58% for Week 48.
- Arizona State University Student Health Services had 0.65% of visits due to ILI during Week 48.



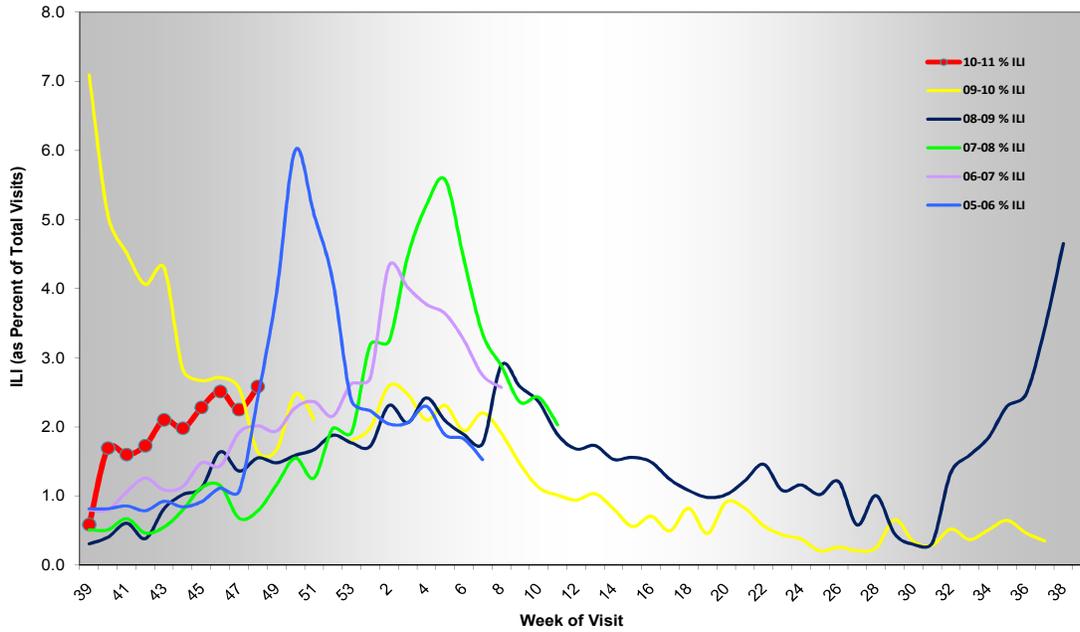
\*Data may change in subsequent reports as updated information becomes available.

**Cigna Health Care Centers (n=20): Number of Visits for Influenza-Like Illness (by age group) 10-11 Season**  
 (Source: Cigna Health Care Centers)

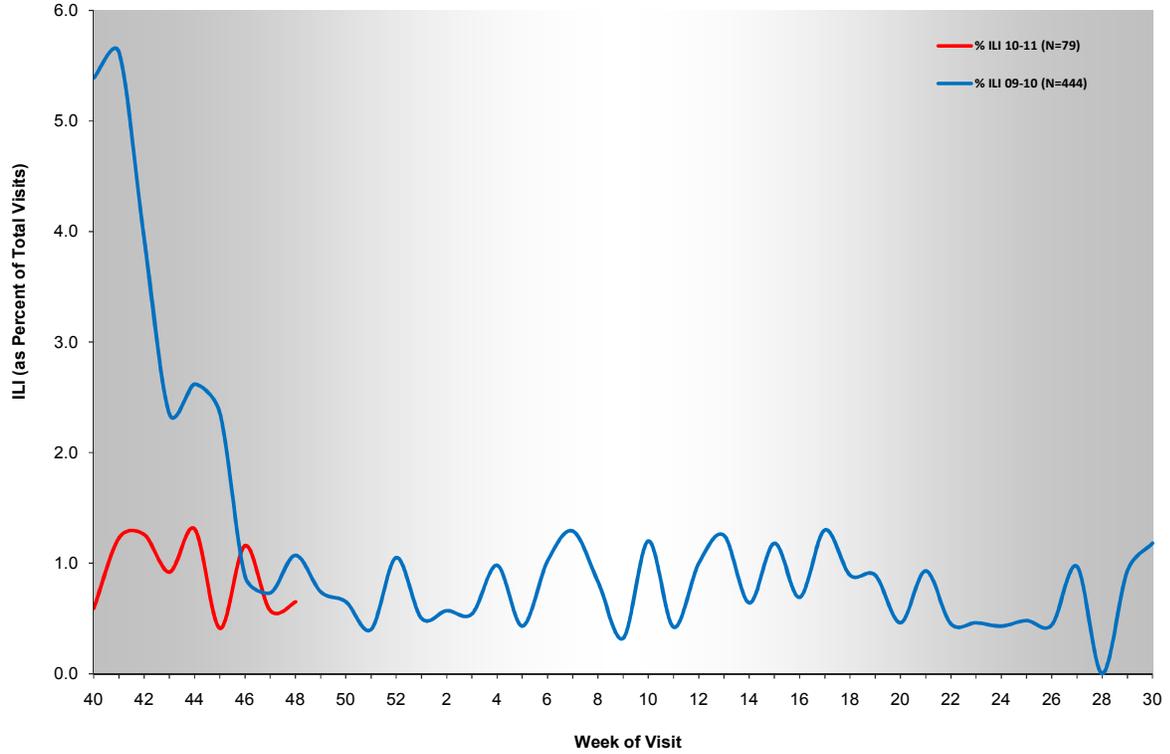


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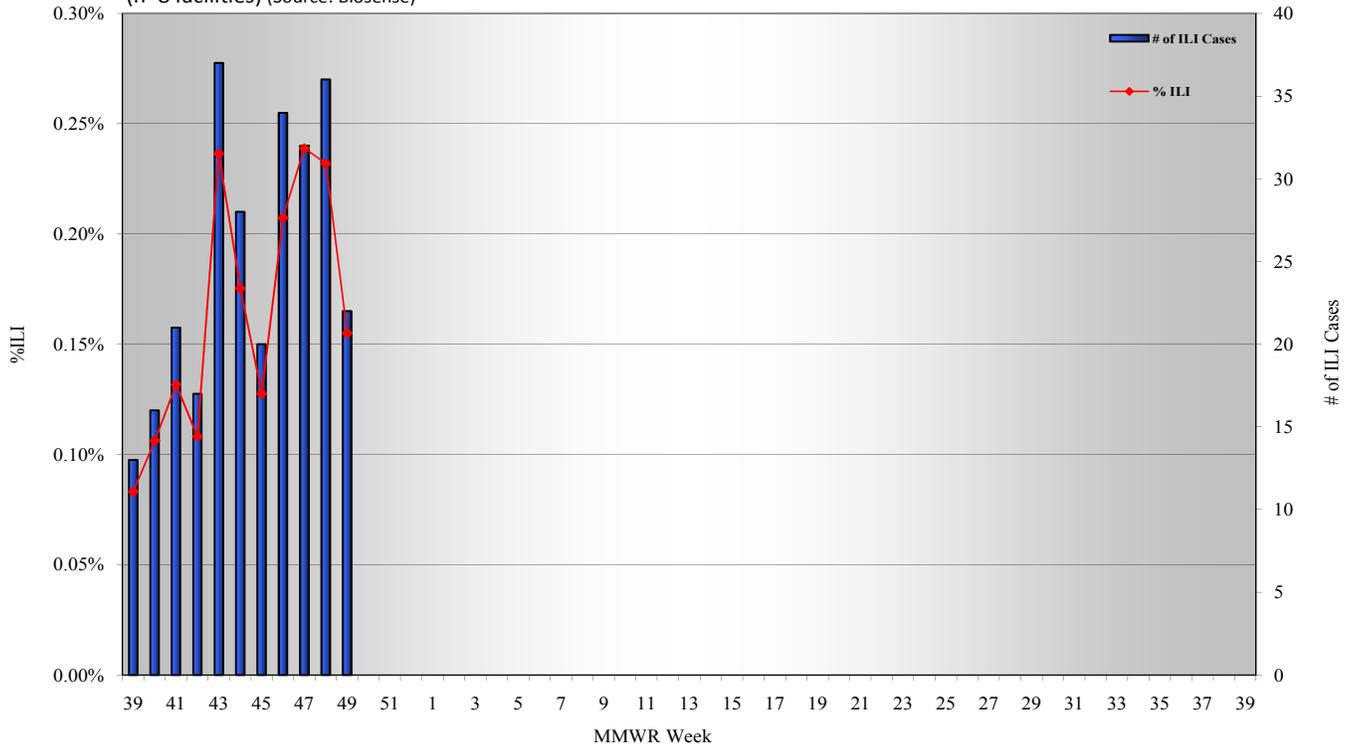
**Hospital Emergency Departments (n=16): ILI Visits as Percentage of Total Visits**  
 05-06, 06-07, 07-08, 08-09, 09-10 & 10-11 Seasons  
 (Source: 16 Emergency Departments)



Arizona State University Student Health Services: ILI Visits as Percentage of Total Visits  
09-10 & 10-2011 Seasons\* (Source: Arizona State University)

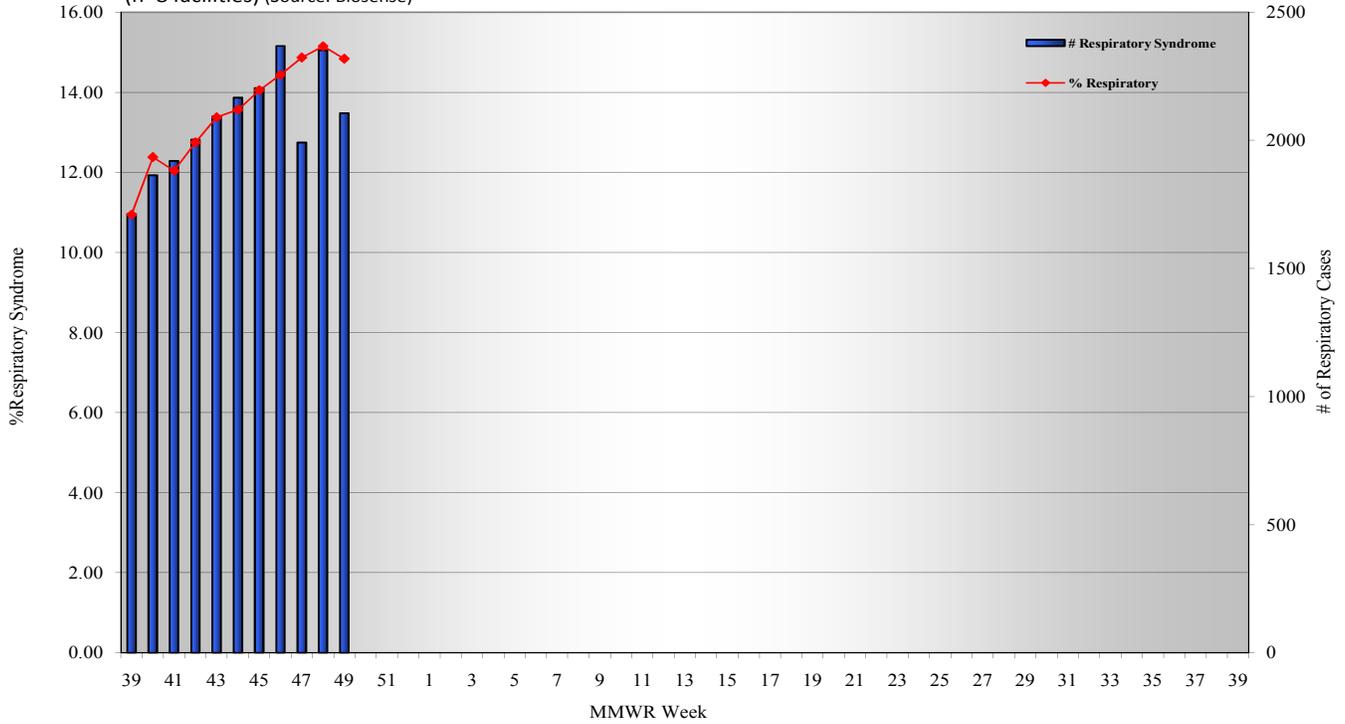


Selected Emergency Departments Weekly Syndromic Surveillance: Influenza-Like-Illness  
(n=8 facilities) (Source: Biosense)



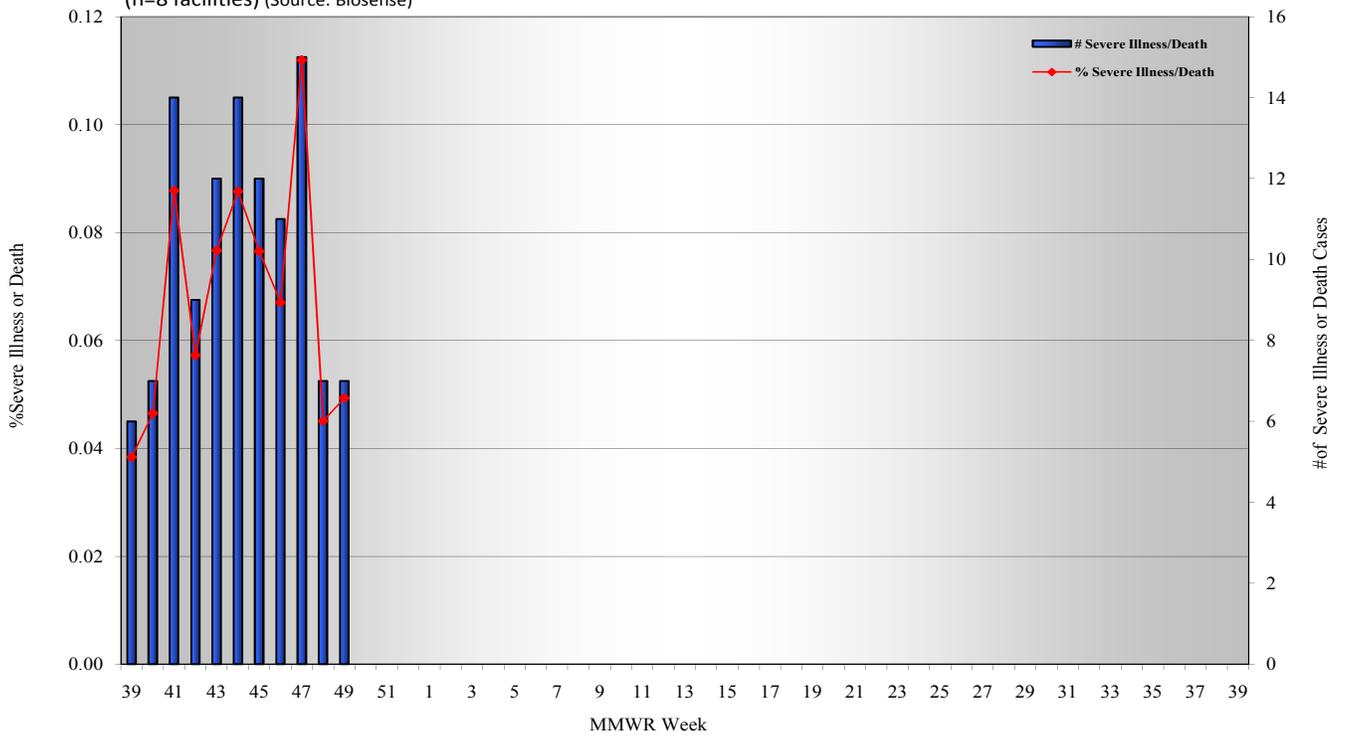
**Selected Emergency Departments Weekly Syndromic Surveillance: Respiratory Syndromes**

(n=8 facilities) (Source: Biosense)

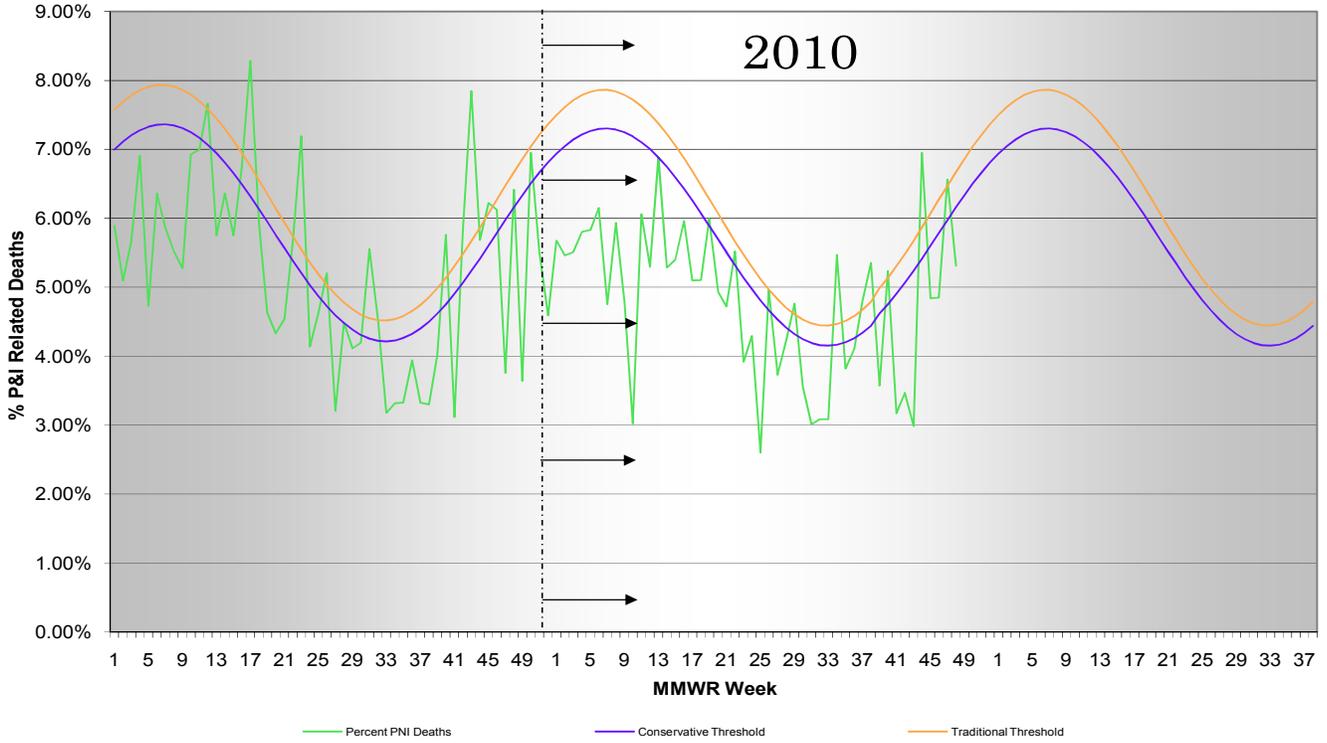


**Selected Emergency Departments Weekly Syndromic Surveillance: Severe Illness/Deaths**

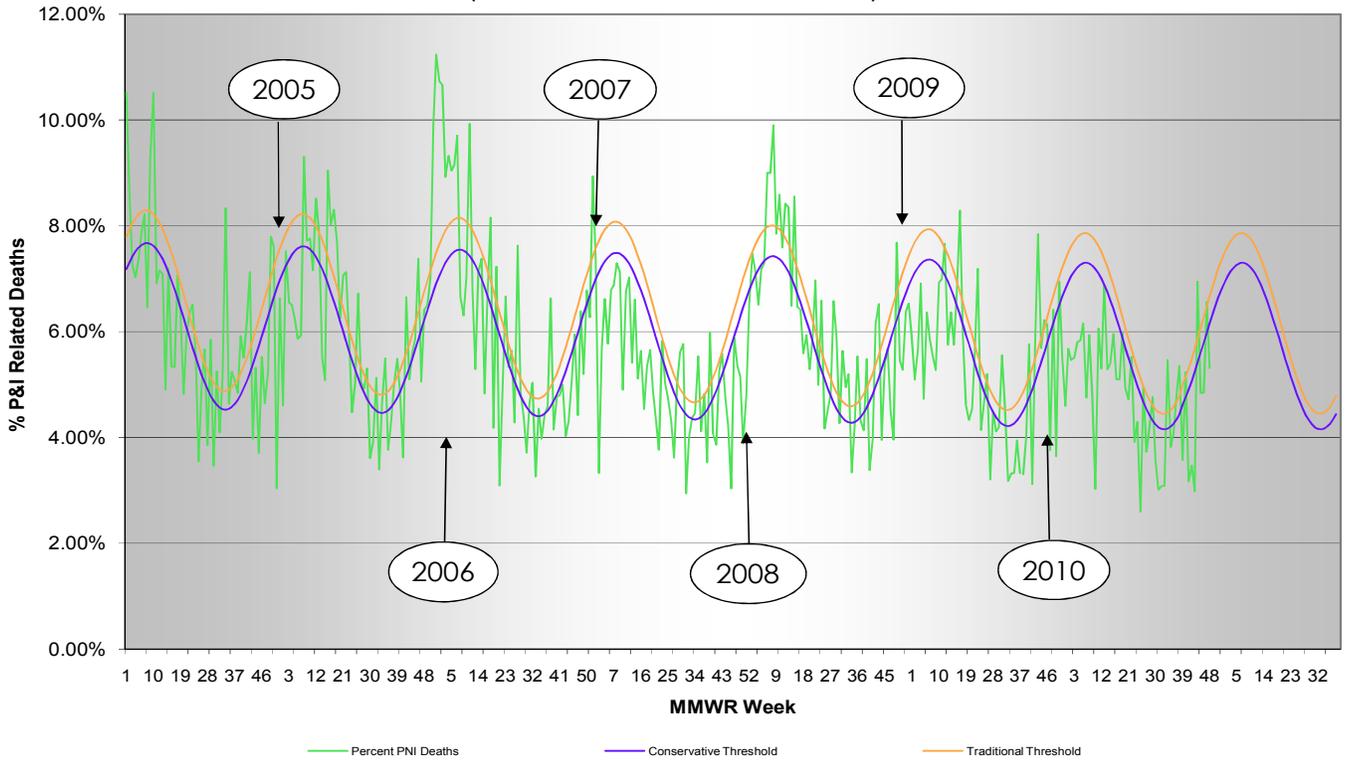
(n=8 facilities) (Source: Biosense)



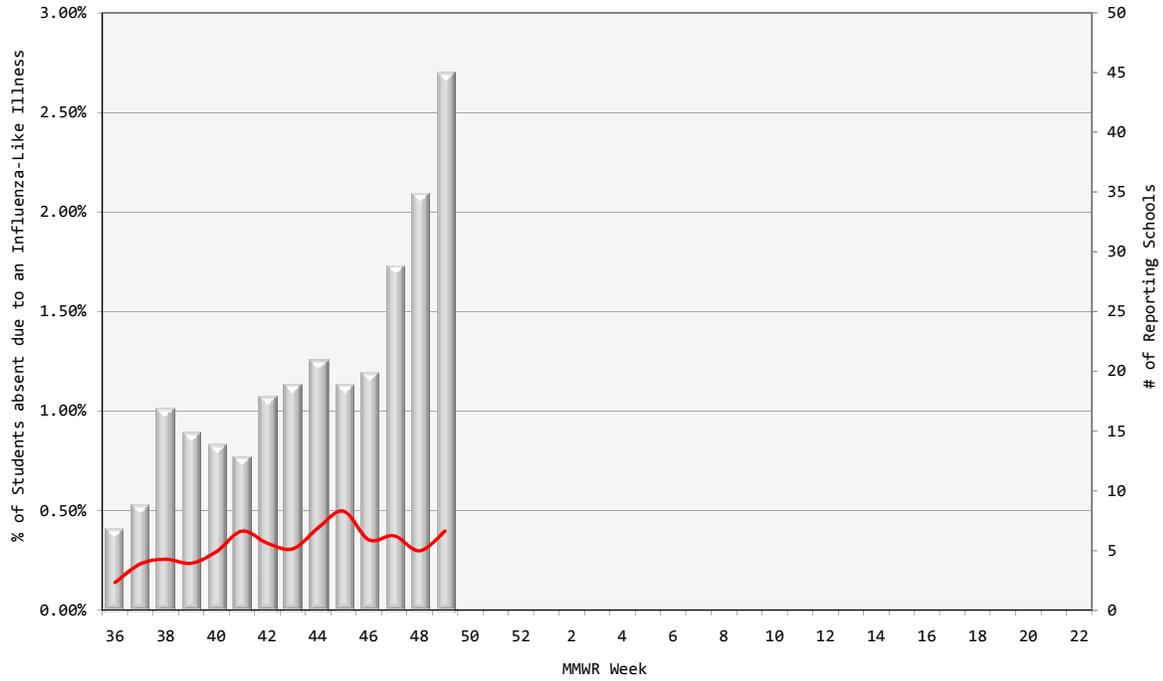
**Maricopa County 2010-2011  
Pneumonia and Influenza Related Deaths**  
( Source: MCDPH Office of Vital Statistics)



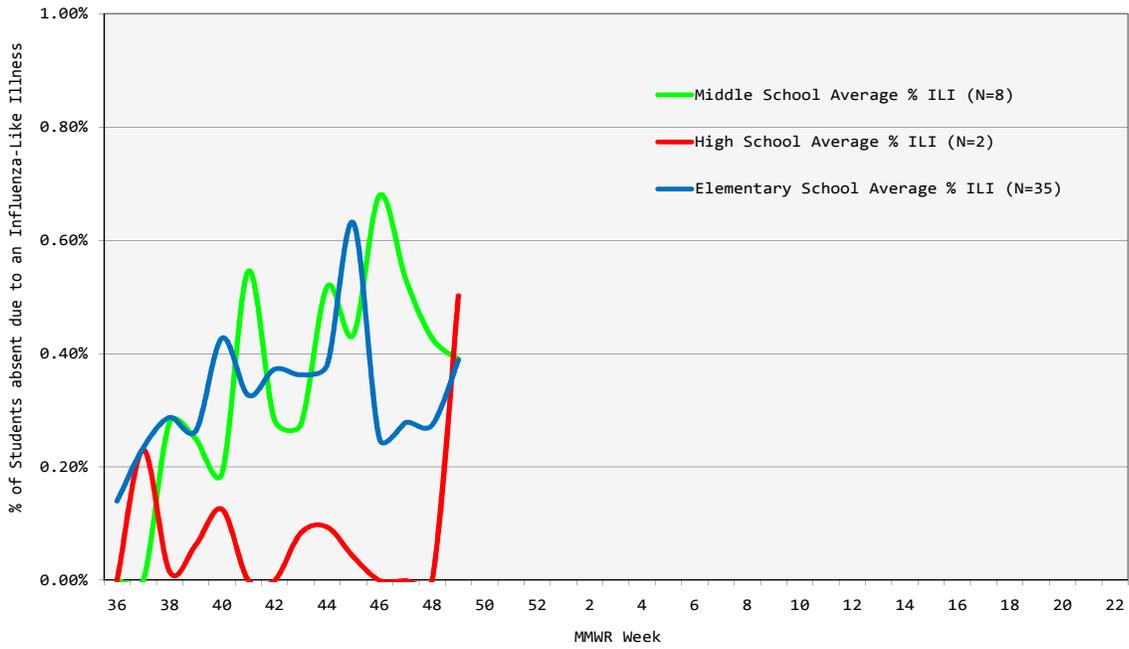
**Maricopa County 2004-2011  
Pneumonia and Influenza Related Deaths**  
( Source: MCDPH Office of Vital Statistics)



Maricopa County 2010-2011:  
School ILI Surveillance by MMWR Week (N=45 Schools)



Maricopa County 2010-2011:  
School ILI Surveillance by MMWR Week (N=45 Schools)



**Glossary:**

2010-2011 Influenza Season is September 26, 2010 through October 1, 2011. In terms of the surveillance weeks recognized by the Centers for Disease Control, the 2010-11 Season is Week 39 2010 through Week 39 2011.

**Activity Levels:** Indicator of the geographic spread of influenza activity, reported to CDC by all states each week.

**Widespread:** Increased influenza-like illness from sentinel providers (ILI) in three or more regions and large numbers of laboratory-confirmed influenza cases in those regions.

**Regional:** Increased ILI in two regions and elevated numbers of laboratory-confirmed influenza cases in those regions.

**Local:** Increased ILI in one region and elevated numbers of laboratory-confirmed influenza cases in that region.

**Sporadic:** No increase in ILI activity and only isolated laboratory-confirmed influenza cases.

**No Activity:** No increase in ILI activity and no laboratory-confirmed influenza cases.

**Influenza Activity outside Maricopa County**

Information on influenza activity outside Maricopa County is available at these sites:

- [http://azdhs.gov/phs/oids/epi/flu/az\\_flu\\_surv.htm](http://azdhs.gov/phs/oids/epi/flu/az_flu_surv.htm) (Arizona Department of Health Services)
- <http://www.cdc.gov/flu/weekly/fluactivity.htm> (CDC)

Due to wide variability between national- and local-level data, it is not appropriate to apply any national baselines or thresholds to the information presented in this report.

Please email any questions about this report to: [vjollcaberisha@mail.maricopa.gov](mailto:vjollcaberisha@mail.maricopa.gov)

Report generated: 12/10/2010

**Influenza Surveillance Participants include:**

Arizona Department of Health Services

Cigna Health Care Centers

Arizona State University Campus Health Services

Local Hospital Emergency Departments & Infection Control Practitioners

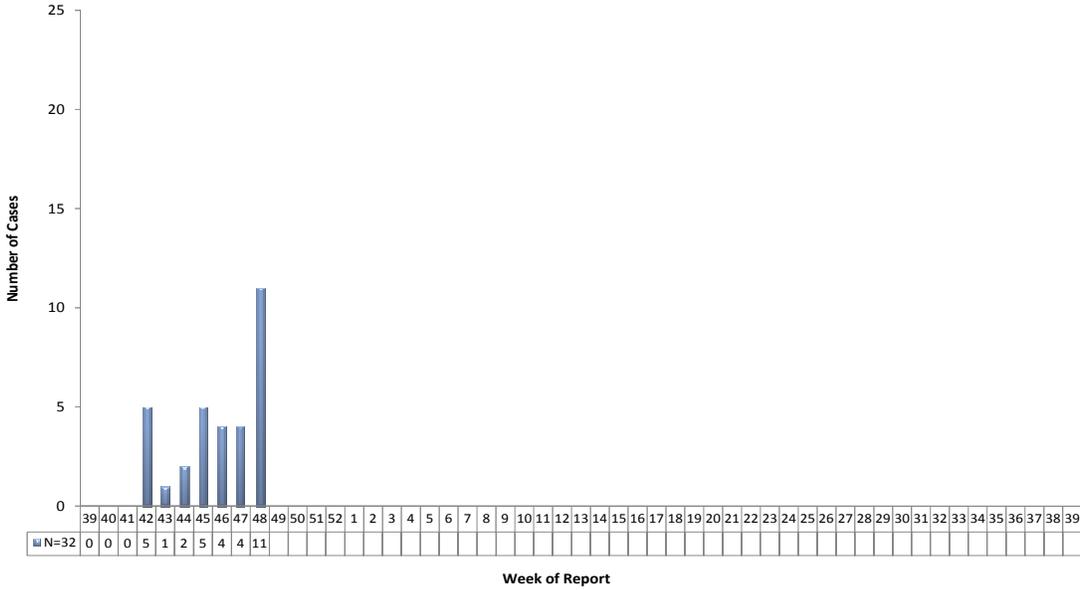
68 Maricopa County Public Schools

# MARICOPA COUNTY RSV SUMMARY UPDATE

## WEEK 48 (11/28/10-12/4/10)

**Respiratory Syncytial Virus (RSV) Lab Surveillance:** At the time of this report, 32 lab-confirmed cases of RSV have been reported through Week 48.

**Lab-Confirmed Respiratory Syncytial Virus (RSV) Cases Reported:  
10-11 Season** (Source: ADHS)



**Lab-Confirmed Respiratory Syncytial Virus (RSV) Cases:  
05-06, 06-07, 07-08, 08-09, 09-10 & 10-11 Seasons** (Source: ADHS)

