

# Maricopa County Department of Public Health INFLUENZA UPDATE

## September 28, 2014 through November 29, 2014 Posted December 4, 2014

### Individuals with Laboratory Confirmed Influenza

The 2014-2015 influenza season starts on 9/28/2014 (week 40) and continues through 10/03/2015 (week 39). This influenza season (2014-15), there have been 44 laboratory confirmed influenza cases. The State of Arizona has reported **Sporadic** activity for Week 48 (11/23/14-11/29/14). The chart below shows influenza laboratory test results for each week of the current season (red) and previous seasons.

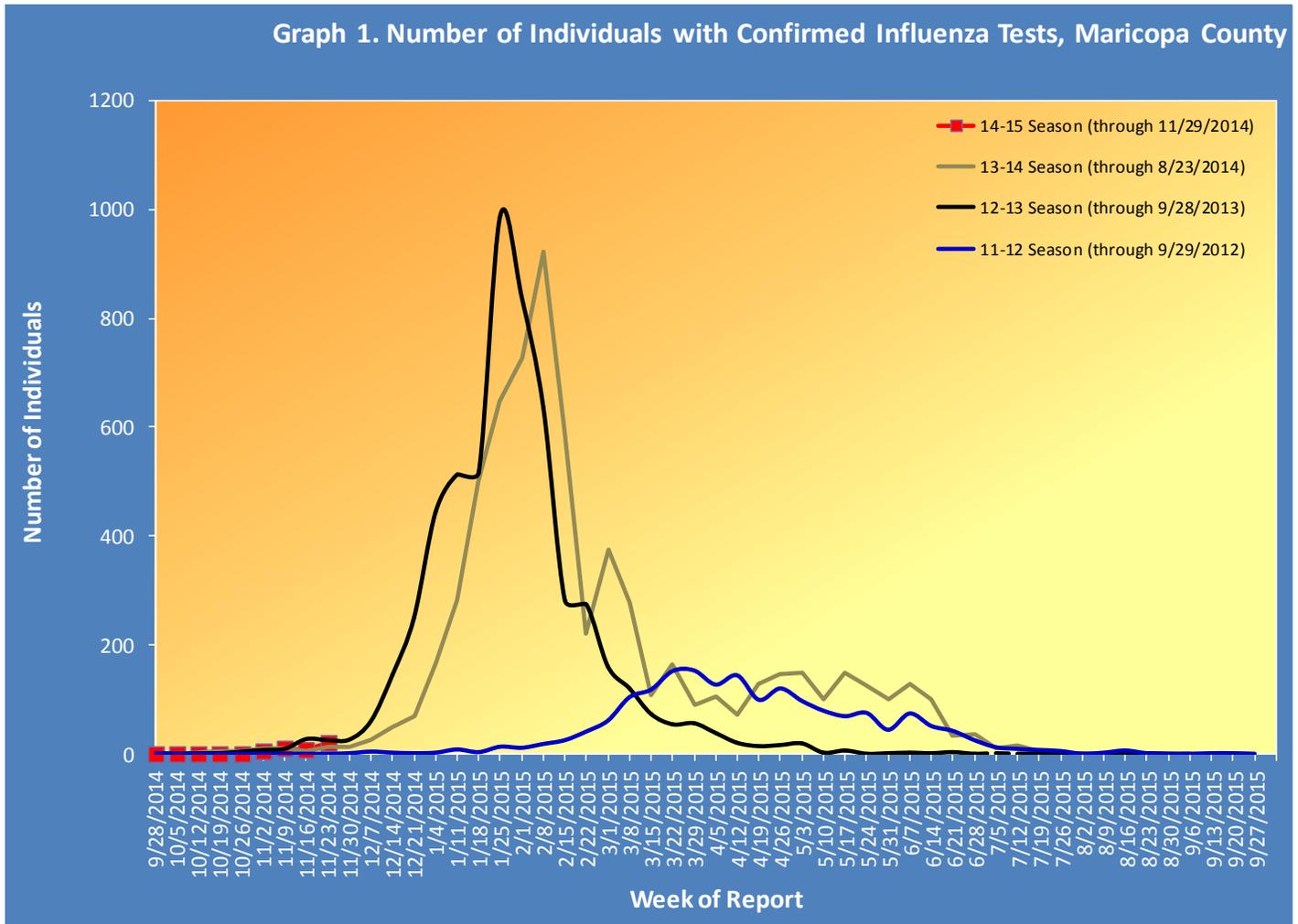


Table 1 shows the number of laboratory-confirmed cases

Table 1. Laboratory-Confirmed Influenza Cases Compared to Last Week and Last Season, Maricopa County		
Total	Cumulative Season Total	Current Week Total
2014-2015	44	21
2013-2014	50	12
3 season average*	56.3	19.3
% increase compared to 2013-2014 season	-12%	75%
% increase compared to 3 season average	-22%	9%
% increase compared to last week	91%	133.3%

### Types of Influenza

This influenza season 44 confirmed cases of influenza have been reported. Table 2 shows the number and percentage of cases reported by influenza type and subtype.

Table 2. Types/Subtypes of Influenza by Test, 2014-2015 Season, Maricopa County		
Total	44	100.0%
Type A	29	65.9%
<i>Subtype 2009 H1N1</i>	0	0.0%
<i>Subtype H3</i>	6	20.7%
<i>Subtyping not performed or unknown</i>	23	79.3%
Type B	14	31.8%
Type Unknown	1	2.3%

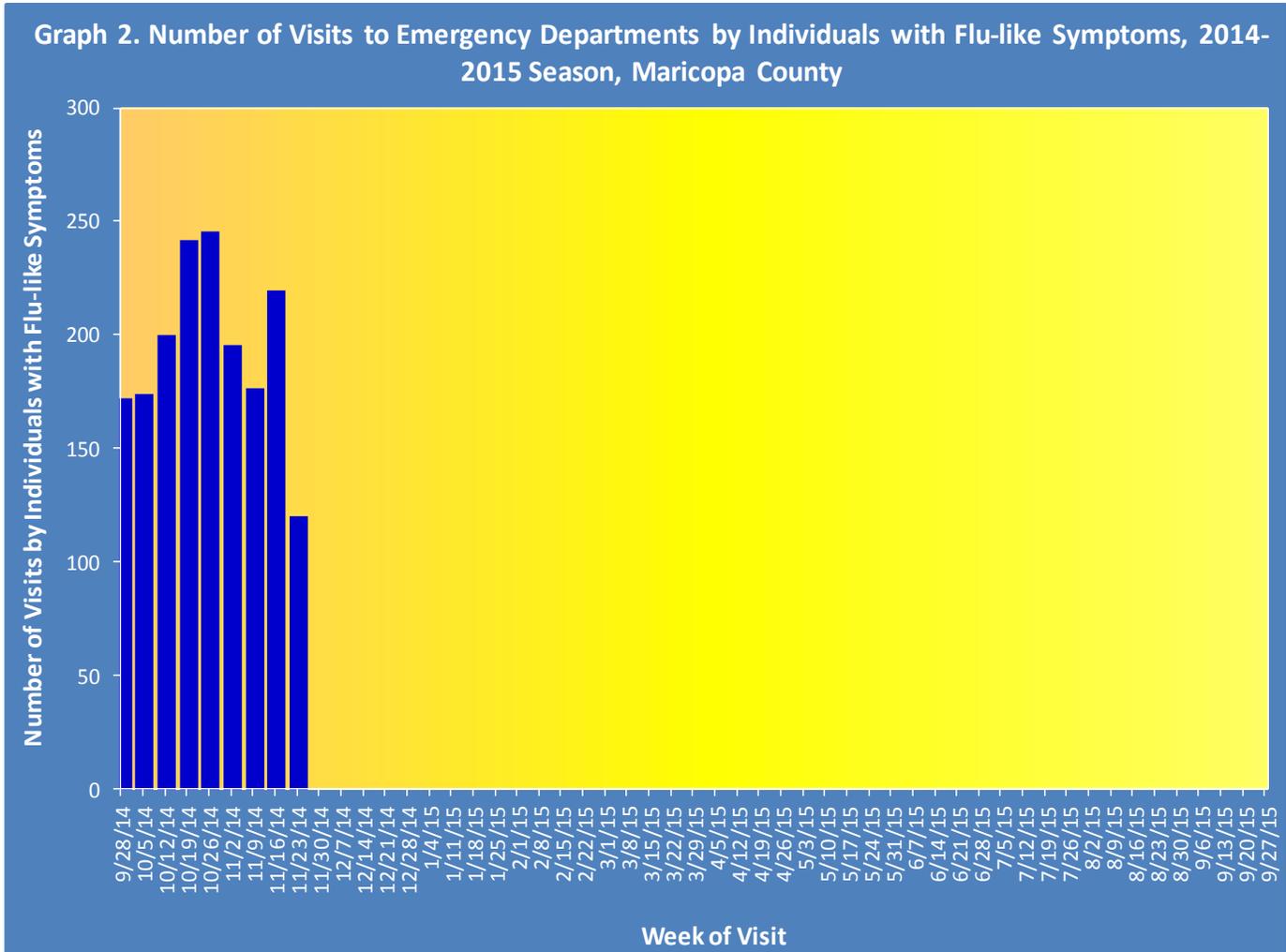
### Pneumonia and Influenza (P&I) Deaths

This influenza season there have been 172 pneumonia and influenza (P&I) deaths. No influenza related mortality has been reported this season or last season at this time. Table 3 shows the number of P&I deaths and the number of influenza deaths that occurred this season and last season.

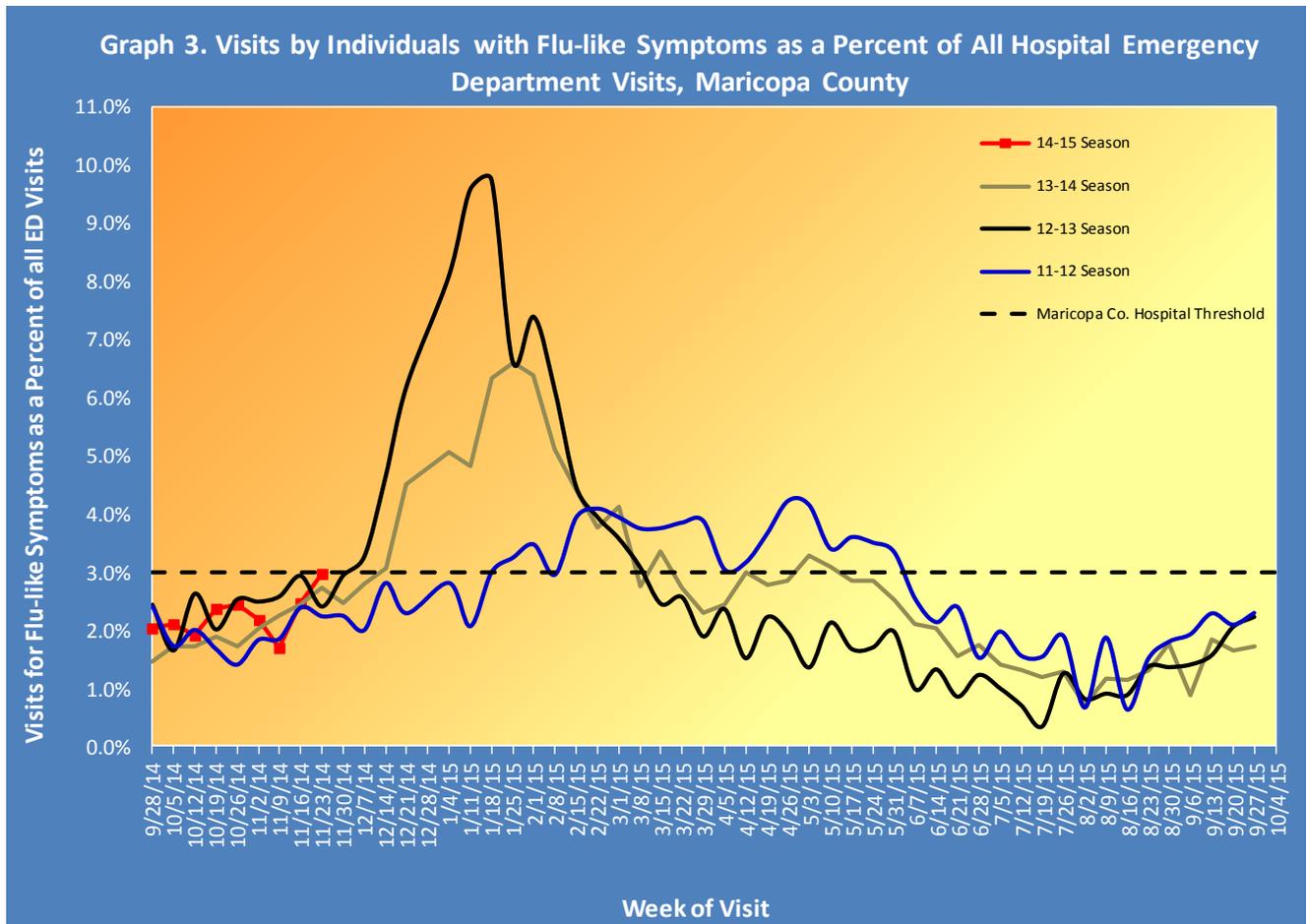
Table 3. Pneumonia and Influenza (P&I) Deaths, 2014-15 & 2013-14 Seasons, Maricopa County				
	Current Season (2014-2015) As of [11/29/2014]		Last Season (2013-2014) As of [11/30/2013]	
	Pneumonia and Influenza	Influenza	Pneumonia and Influenza	Influenza
<b>Pediatric (Under Age 18)</b>	3	0	0	0
<b>Adult (18 and Over)</b>	169	0	153	0

### Influenza Like Illness Activity at Hospital Emergency Departments

This influenza season there have been 1,711 visits to emergency departments by individuals with flu-like symptoms. To be counted as an individual with flu-like symptoms, the patient must have both fever and cough/sore throat. Graph 2 shows the number of patients with flu-like symptoms seen at 12 emergency departments.

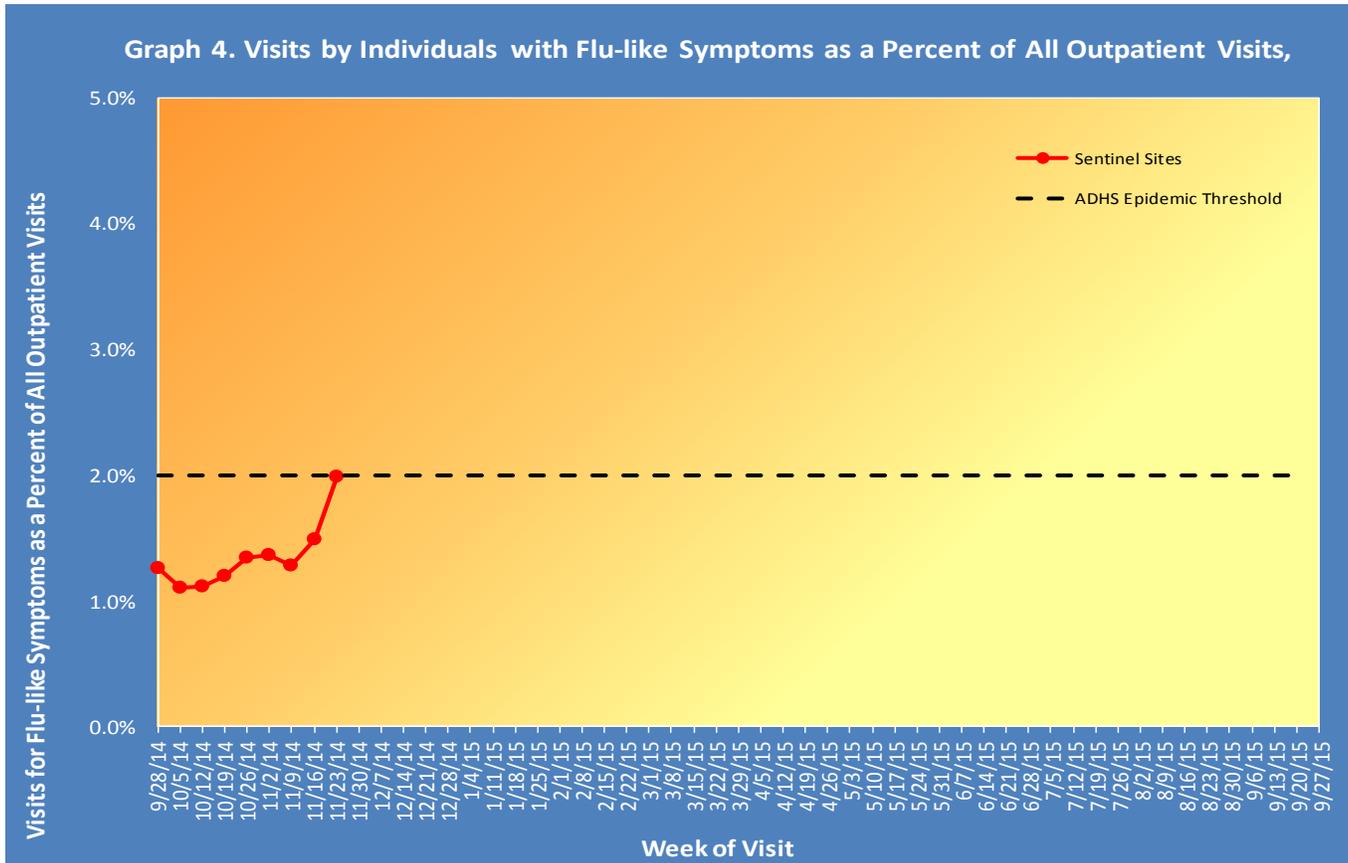


Graph 3 shows what percent of all emergency department visits were individuals with flu-like symptoms (fever and cough/sore throat). The graph shows the trend week by week, with the current season in red.



**Influenza Like Illness Activity at Sentinel Site Outpatient Facilities Reported to the Centers for Disease Control and Prevention (CDC)**

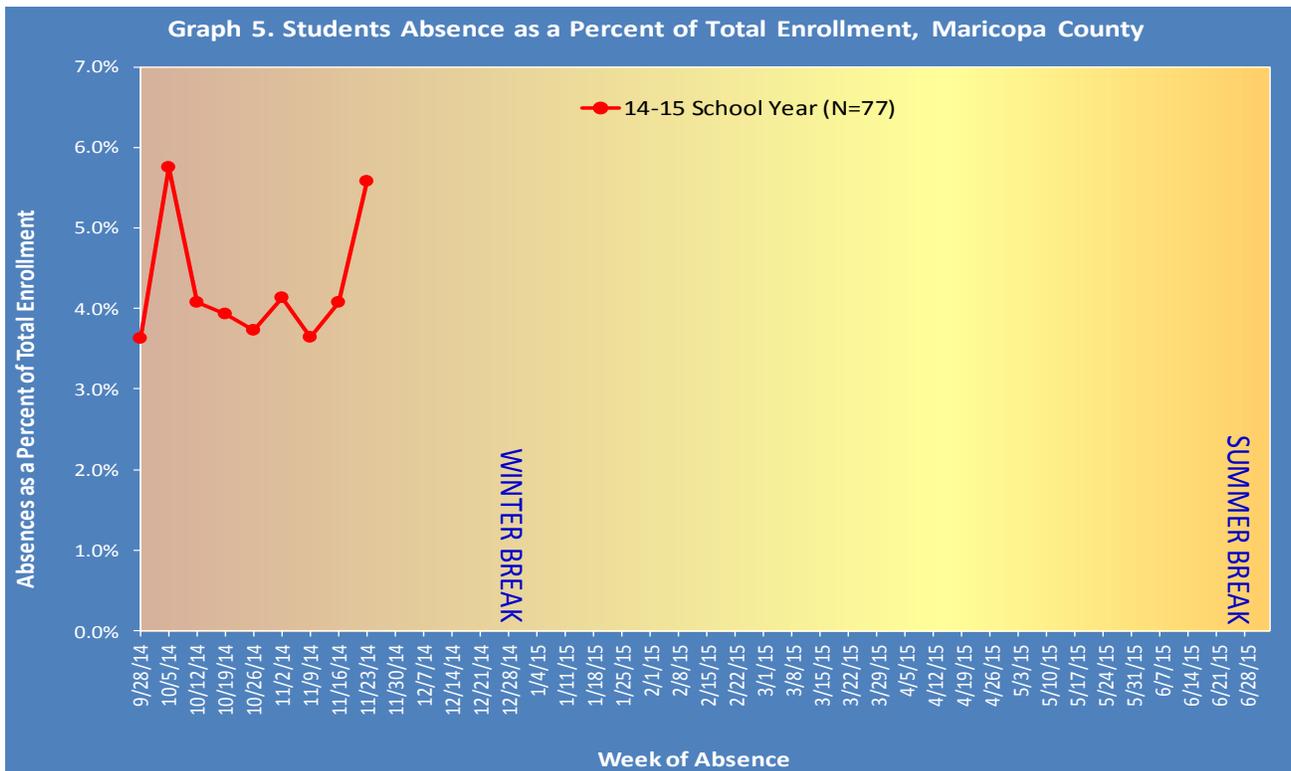
Maricopa County sentinel sites (outpatient facilities) report visits due to flu-like symptoms and the total number of visits seen each week to the Centers for Disease Control and Prevention (CDC). This week, 1.99% of visits at outpatient facilities were due to flu-like symptoms.



Sources: Adelante Healthcare, Arizona State University Health Services, Cigna Medical Group, Wesley Health Center

## Absentee Activity at Schools

Graph 5 shows the percent of students in a public school who were reported absent and illustrates the week by week trend, for the current school year. This week 5.58% of students were absent.



***The Maricopa County Department of Public Health wishes to thank all of the  
Influenza surveillance participants:***

*Arizona Department of Health Services  
Local Hospital Emergency Departments & Infection Control Practitioners  
Local Outpatient Facilities and Medical Directors  
Maricopa County Public Schools  
Maricopa County Office of Vital Statistics*

**Questions about this report may be directed to:**

**[epidemiology@mail.maricopa.gov](mailto:epidemiology@mail.maricopa.gov)**

**Information on influenza activity for the state, the U.S. and the world may be found  
at the following websites:**

**<http://www.azdhs.gov/phs/oids/epi/flu/index.htm> (ADHS)**

**<http://www.cdc.gov/flu/weekly/fluactivitysurv.htm> (CDC)**

**[http://www.who.int/influenza/gisrs\\_laboratory/updates/en/index.html](http://www.who.int/influenza/gisrs_laboratory/updates/en/index.html) (WHO)**