

Maricopa County Department of Public Health WEEKLY INFLUENZA UPDATE 2015-2016 Season (10/04/2015-10/01/2016)

Reported October 23, 2015

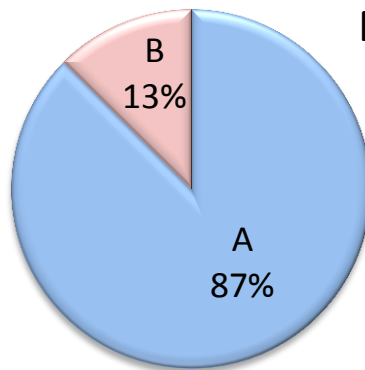
2015-2016 Week 41(10/11/2015-10/17/2015)

The Influenza Season is defined by MMWR surveillance weeks, beginning week 40 (October) and continues through week 39 (the following September).

The first day of the 2015-2016 influenza season was October 4, 2015 and the surveillance season will continue through October 1, 2016. Maricopa County identified its first locally-acquired influenza case of the 2015-2016 season in week 40.

- 8 case have been laboratory-confirmed
- Arizona reported *Sporadic* activity
- ILI activity is below the threshold
- No pediatric deaths reported

Types/Subtypes of Influenza in Maricopa County

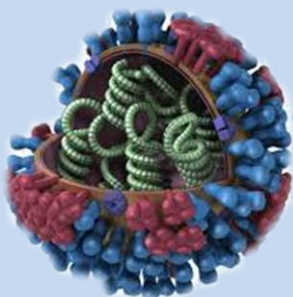


Subtypes of Influenza A	Number of Cases	%
A (H1N1) 2009	0	0%
A/H3	4	57%
Un-subtyped	3	43%

Table of Contents

- [Lab Confirmed influenza cases](#)
- [Types of influenza](#)
- [P&I Deaths](#)
- [ILI Activity at Hospital Emergency Departments](#)
- [Absentee Activity in Maricopa County Schools](#)

Annual Reports



Influenza Activity Levels, 2012-2016

	2015-2016	2014-2015	2013-2014	2012-2013
First Confirmed Case, no travel	09/15/2015	10/03/2014	10/04/2013	10/30/2012
Weeks w/Widespread Activity (AZ)	N/A	Weeks 1-6 (1/4-2/14/2015)	Weeks 3-8 (1/12-2/22/2014)	Weeks 1-7 (3/11-4/7/2012)
Weeks w/Hospital ILI above Regional Threshold	N/A	Weeks 50-11 (12/7- 3/21/2015)	Weeks 52-9 (12/22-3/1/2014)	Weeks 1-9 (12/16-3/2/2013)
Peak Week	N/A	Week 3 (1/18-24/2015)	Week 6 (2/2-8/2014)	Week 4 (1/20-26/2013)
Total Cases	8	6,601	6,658	5,638

Maricopa County Department of Public Health

INFLUENZA UPDATE

October 4, 2015 through October 17, 2015

Posted October 23, 2015

Individuals with Laboratory Confirmed Influenza

The 2015-2016 influenza season starts on 10/04/2015 (week 40) and continues through 10/01/2016 (week 39). This influenza season (2015-16), there have been **8** laboratory confirmed influenza cases. The State of Arizona has reported **sporadic** activity for **Week 41 (10/11-10/17/2015)**. The chart below shows influenza laboratory test results for each week of the current season (red) and previous seasons.

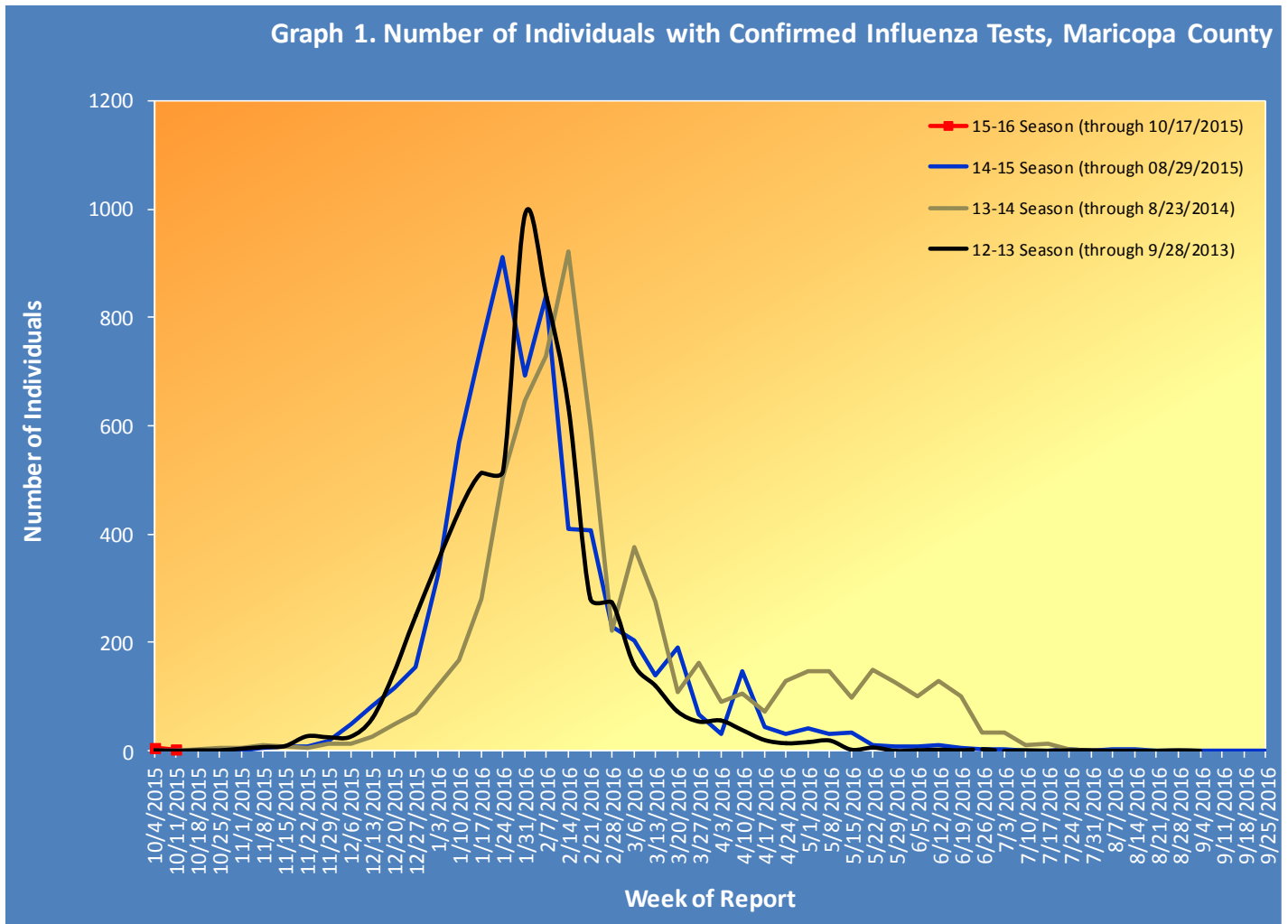


Table 1 shows the number of laboratory-confirmed cases

Table 1. Laboratory-Confirmed Influenza Cases Compared to Last Week and Last Season, Maricopa County		
Total	Cumulative Season Total	Current Week Total
2015-2016	8	2
2014-2015	1	0
3 season average	0.7	0
% increase compared to 2014-2015 season	700%	N/A
% increase compared to 3 season average	1043%	N/A
% increase compared to last week	33%	N/A

Types of Influenza

This influenza season 8 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, 2015-2016 Season, Maricopa County		
Total	8	100.0%
Type A	7	87.5%
<i>Subtype 2009 H1N1</i>	0	0.0%
<i>Subtype H3</i>	4	57.1%
<i>Subtyping not performed or unknown</i>	3	42.9%
Type B	1	12.5%
Type Unknown	0	0.0%

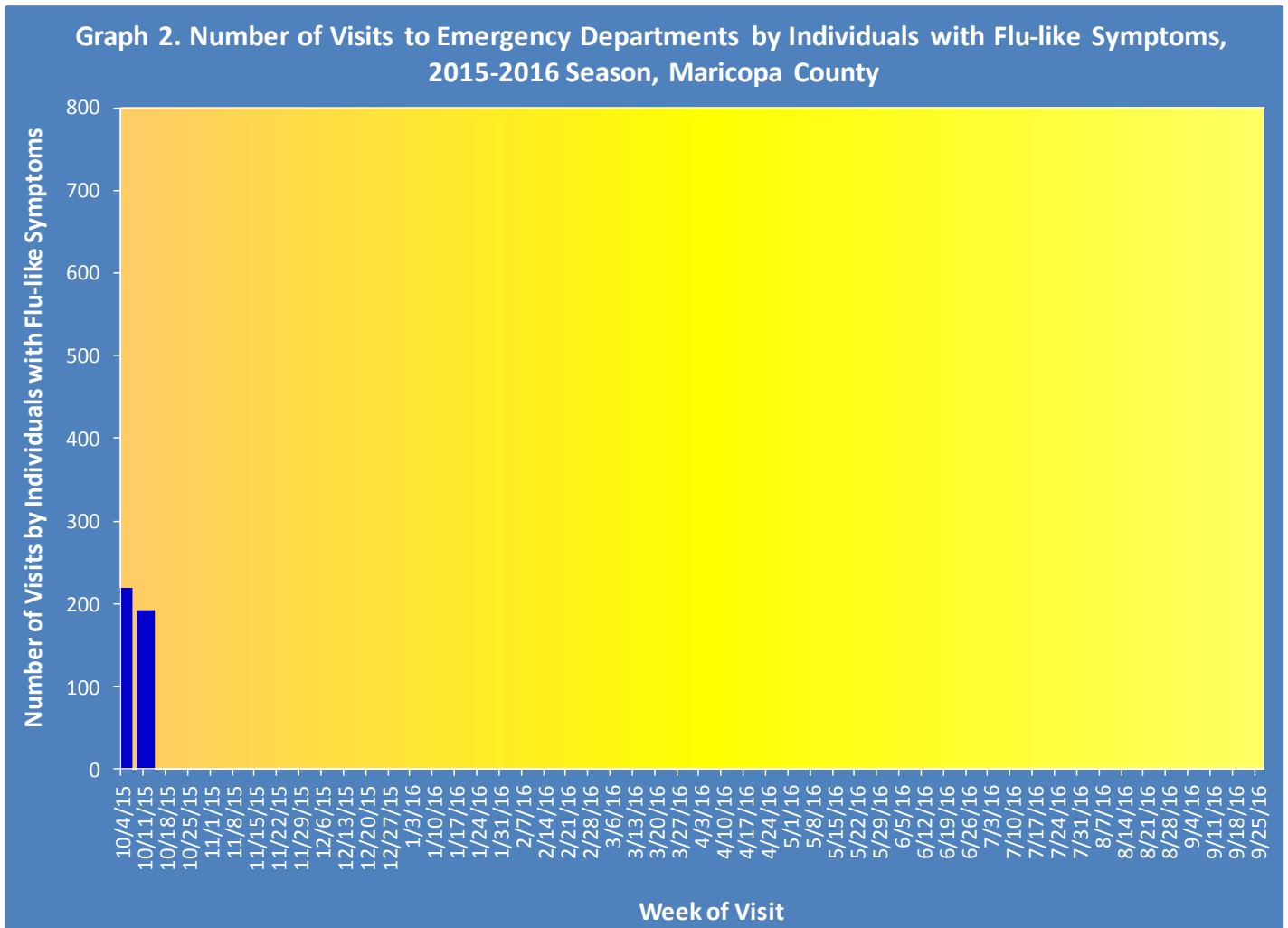
Pneumonia and Influenza (P&I) Deaths

This influenza season there have been **NO** pneumonia and influenza (P&I) deaths. No adult influenza related mortality has been reported this season, no pediatric mortality has been reported in Maricopa County this season. Table 3 shows the number of P&I deaths and the number of influenza deaths that occurred this season and last season.

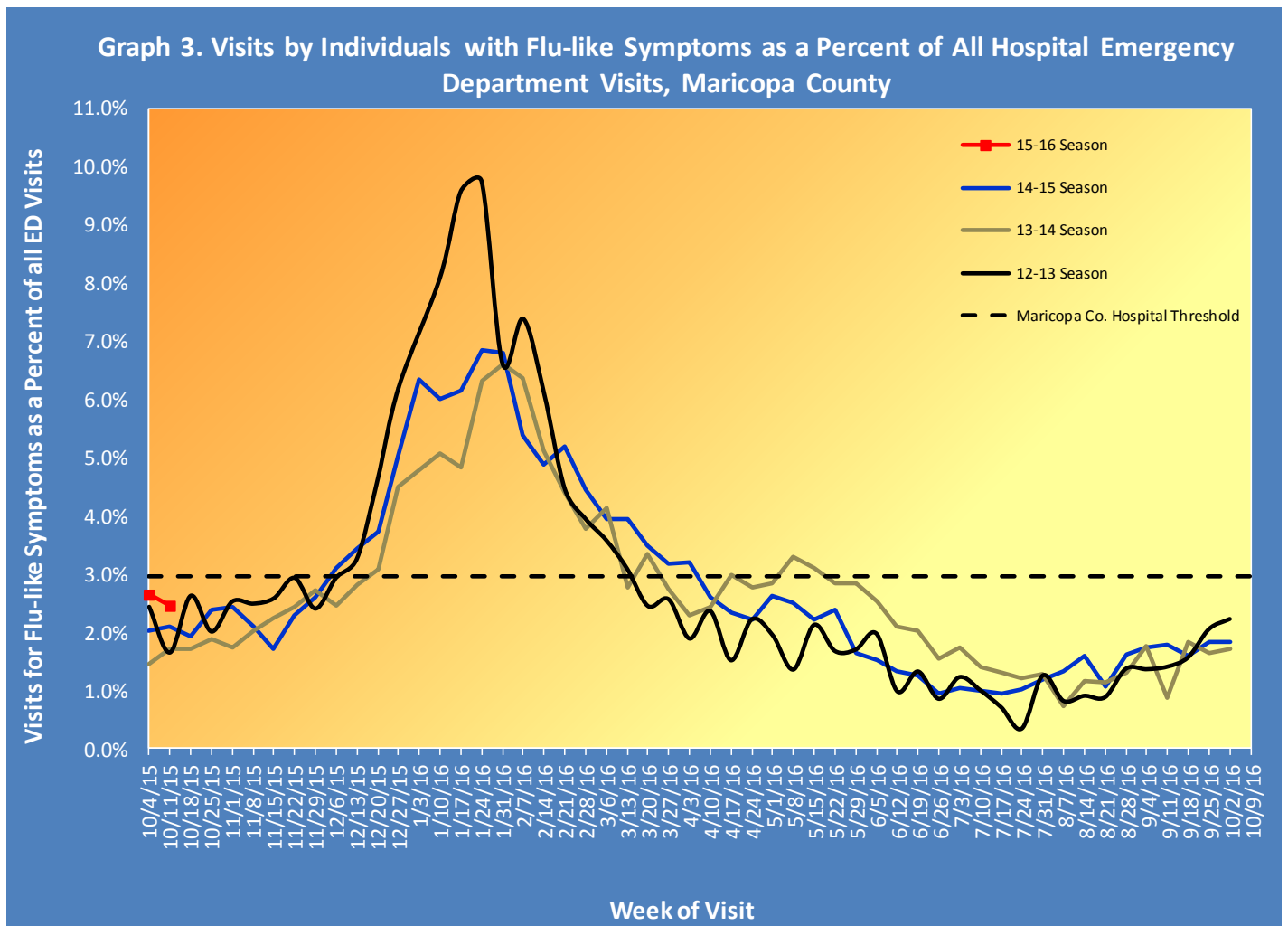
	Current Season (2015-2016) As of [10/10/2015]		Last Season (2014-2015) As of [10/04/2014]	
	Pneumonia and Influenza	Influenza	Pneumonia and Influenza	Influenza
Pediatric (Under Age 18)	0	0	1	0
Adult (18 and Over)	0	0	22	0

Influenza Like Illness Activity at Hospital Emergency Departments

This influenza season there have been 390 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.

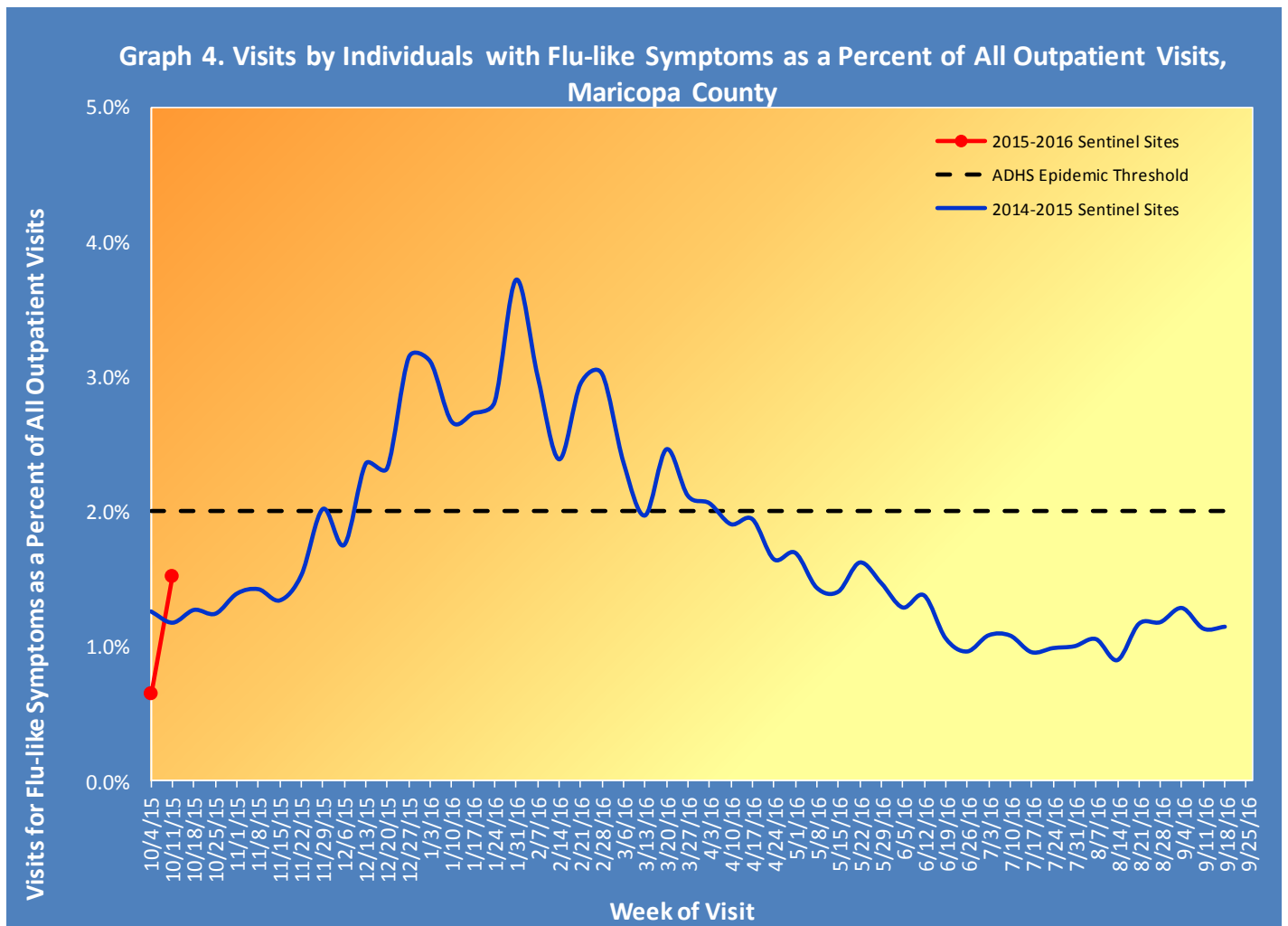


Graph 3 shows what percent of all emergency department visits were individuals with flu-like symptoms (fever and cough/sore throat). The graph shows the trend week by week, with the current season in red.



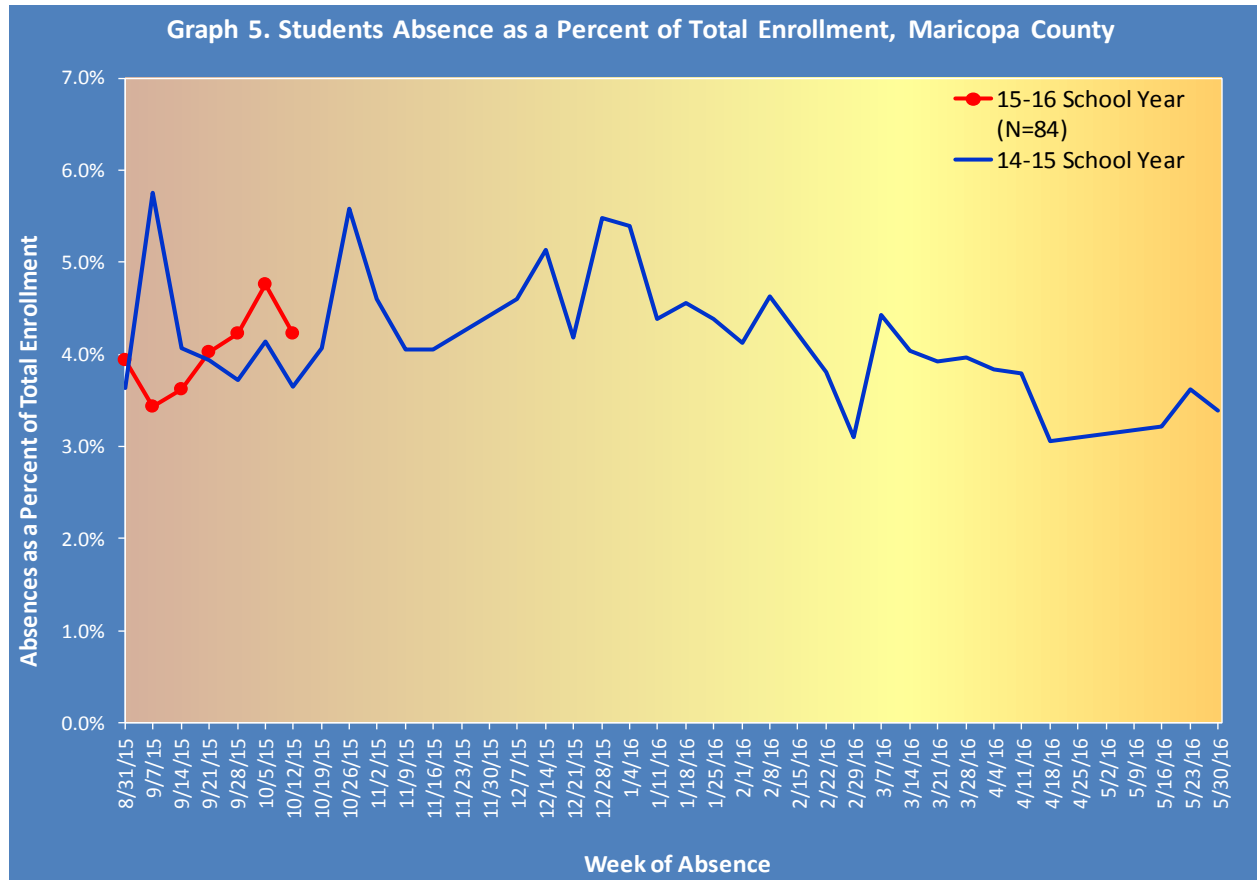
Influenza-Like Illness Activity at Sentinel Site Outpatient Facilities Reported to the Centers for Disease Control and Prevention (CDC)

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, 1.52% of visits at outpatient facilities were due to flu-like symptoms.



Absentee Activity at Schools

Graph 5 shows the percent of students reported absent and illustrates the week by week trend, for the current school year.



Most schools reported being on Fall Break for Week 41

***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

***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 (WHO)