

Maricopa County Department of Public Health INFLUENZA UPDATE

October 4, 2015 through October 10, 2015 Posted October 15, 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 5 laboratory confirmed influenza cases. The State of Arizona has reported **sporadic** activity for Week 40 (10/4-10/10/2015). The chart below shows influenza laboratory test results for each week of the current season (red) and previous seasons.

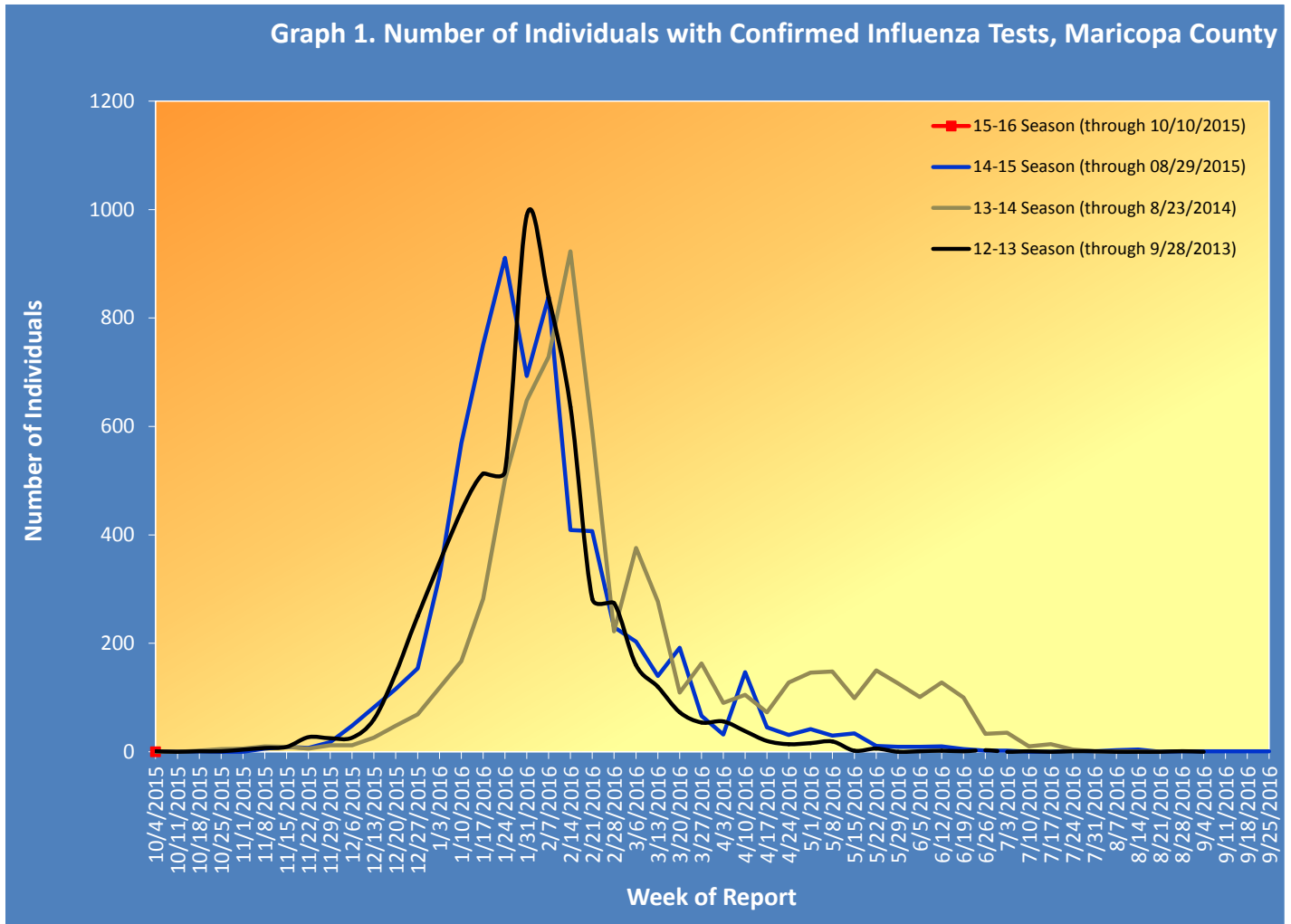


Table 1 shows the number of laboratory-confirmed cases

Table 1. Laboratory-Confirmed Influenza Cases Compared to Last Week and Last Season, Maricopa County		
Total	Cumulative Season Total	Current Week Total
2015-2016	0	5
2014-2015	1	1
3 season average	0	1
% increase compared to 2014-2015 season	-100%	400%
% increase compared to 3 season average	-100%	900%
% increase compared to last week	-100%	N/A

Types of Influenza

This influenza season 5 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	5	100.0%
Type A	4	80.0%
<i>Subtype 2009 H1N1</i>	0	0.0%
<i>Subtype H3</i>	1	25.0%
<i>Subtyping not performed or unknown</i>	3	75.0%
Type B	1	20.0%
Type Unknown	0	0.0%

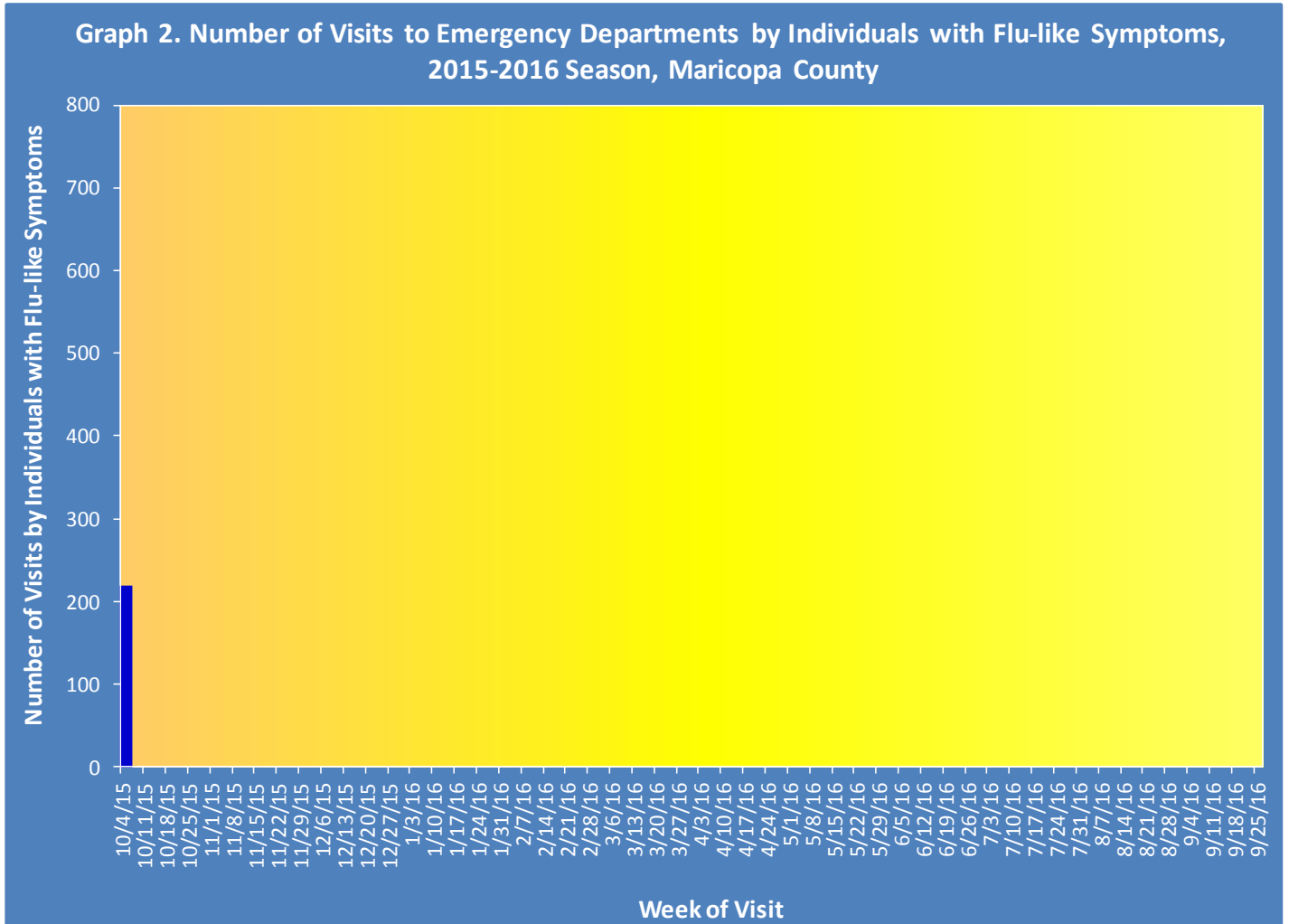
Pneumonia and Influenza (P&I) Deaths

This influenza season there have been no pneumonia and influenza (P&I) deaths. Table 3 shows the number of P&I deaths and the number of influenza deaths that occurred this season and last season.

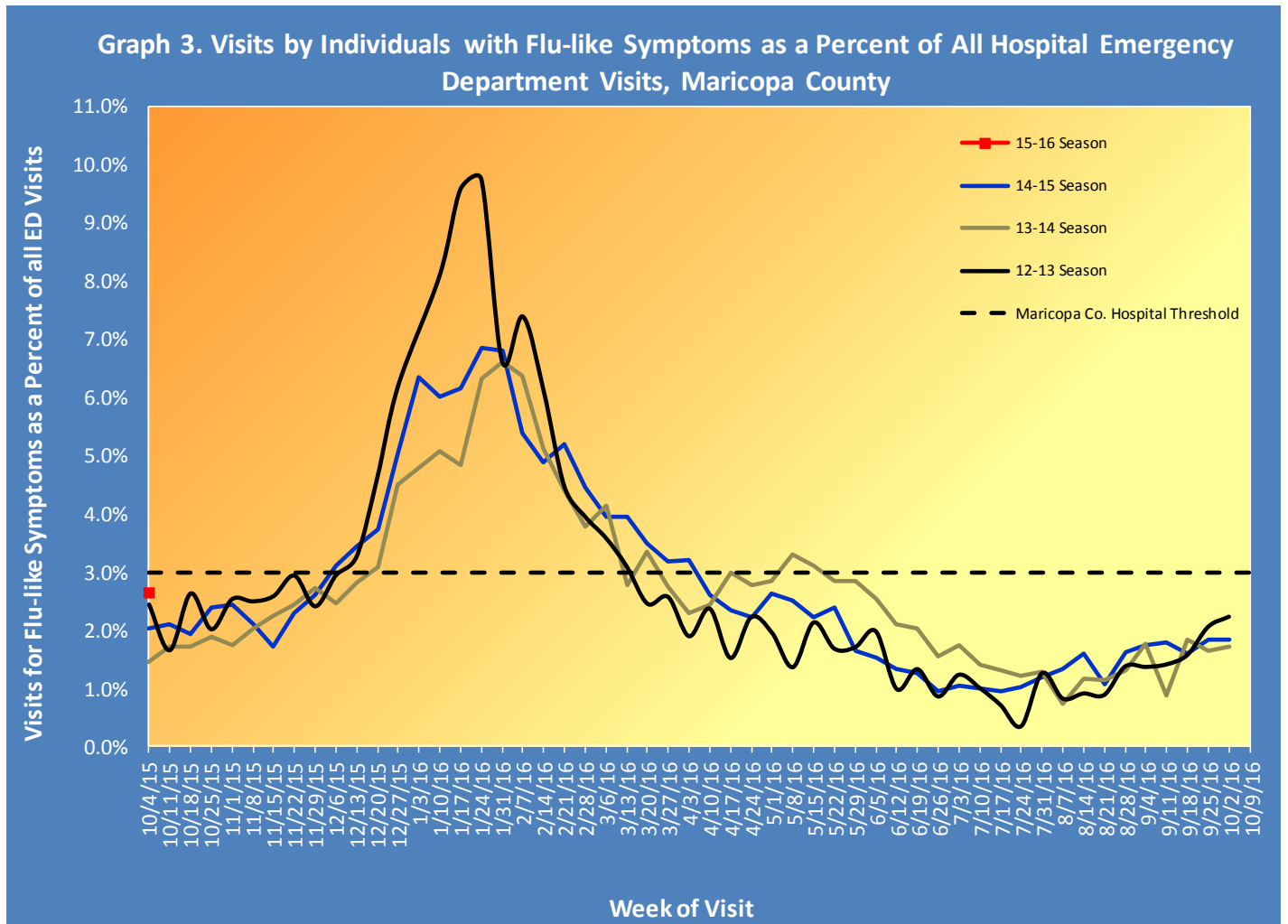
	Current Season (2015-2016) As of [10/10/2015]		Last Season (2014-2015) As of [10/04/2014]	
	Pneumonia and Influenza	Influenza	Pneumonia and Influenza	Influenza
Pediatric (Under Age 18)	0	0	1	0
Adult (18 and Over)	0	0	22	0

Influenza Like Illness Activity at Hospital Emergency Departments

This influenza season there have been 208 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 that were seen at one of 12 reporting emergency departments.

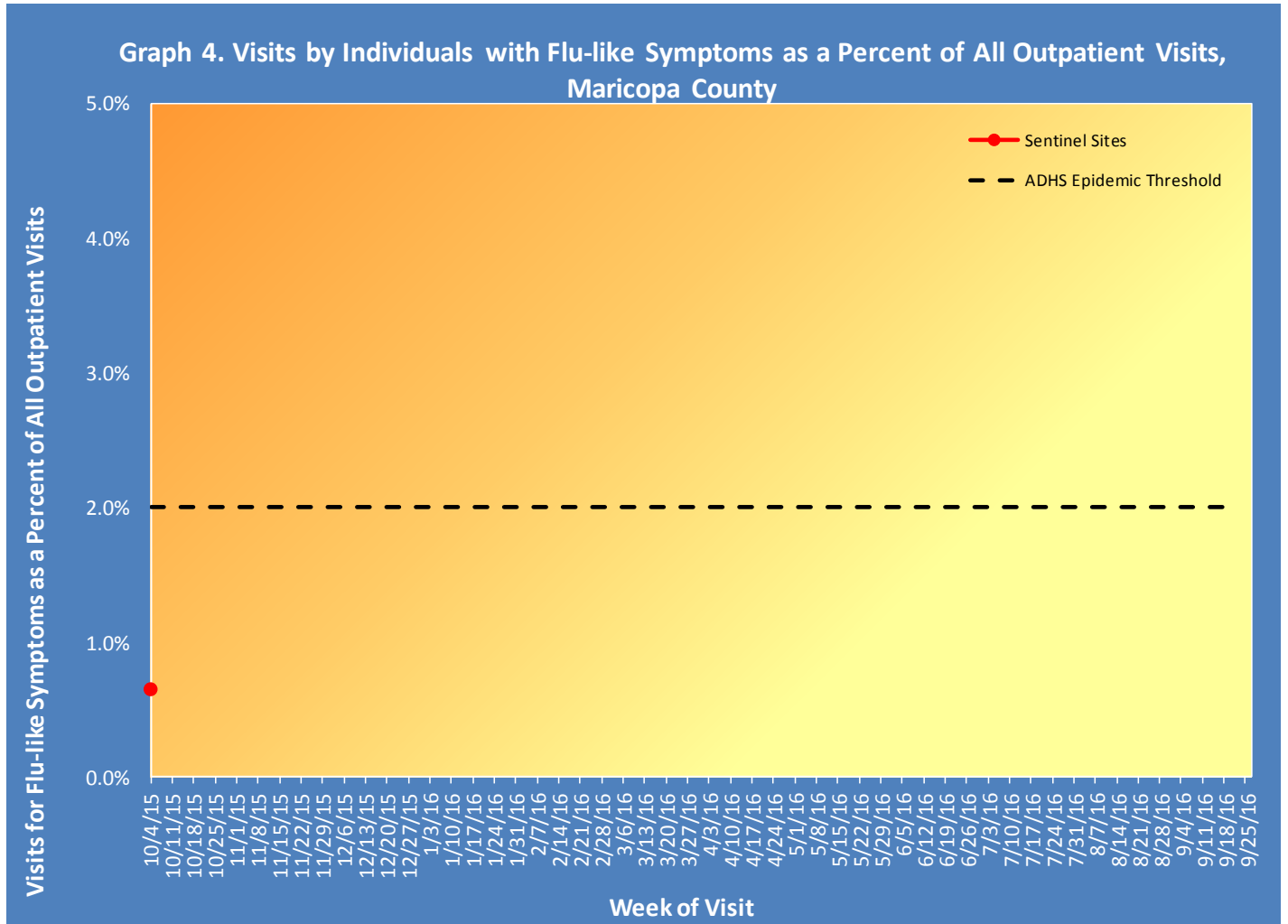


Graph 3 shows what percent of all emergency department visits were individuals with flu-like symptoms (fever and cough/sore throat). The graph shows the trend week by week, with the current season in red.



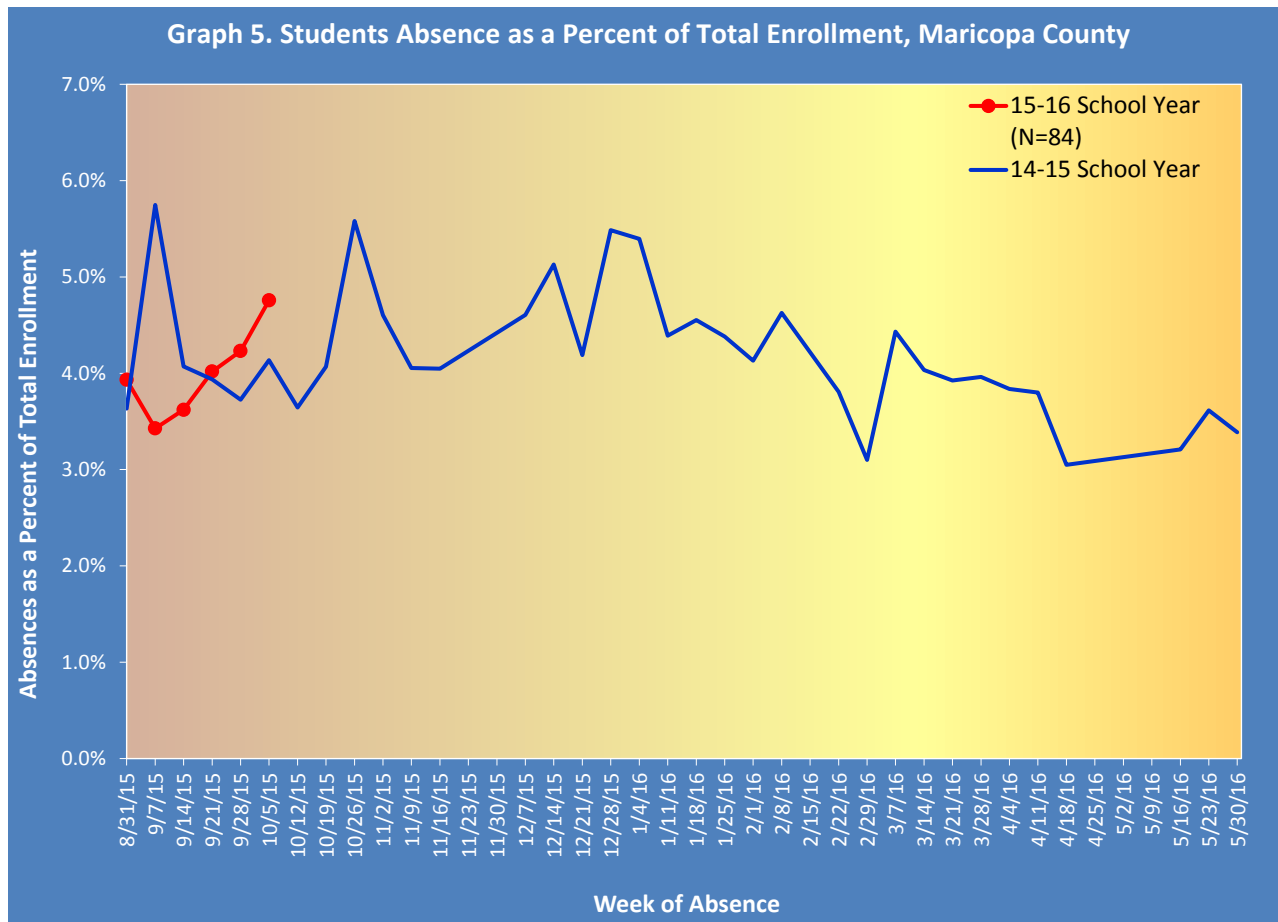
Influenza Like Illness Activity at Sentinel Site Outpatient Facilities Reported to the Centers for Disease Control and Prevention (CDC)

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, less than 1% 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.



**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)