

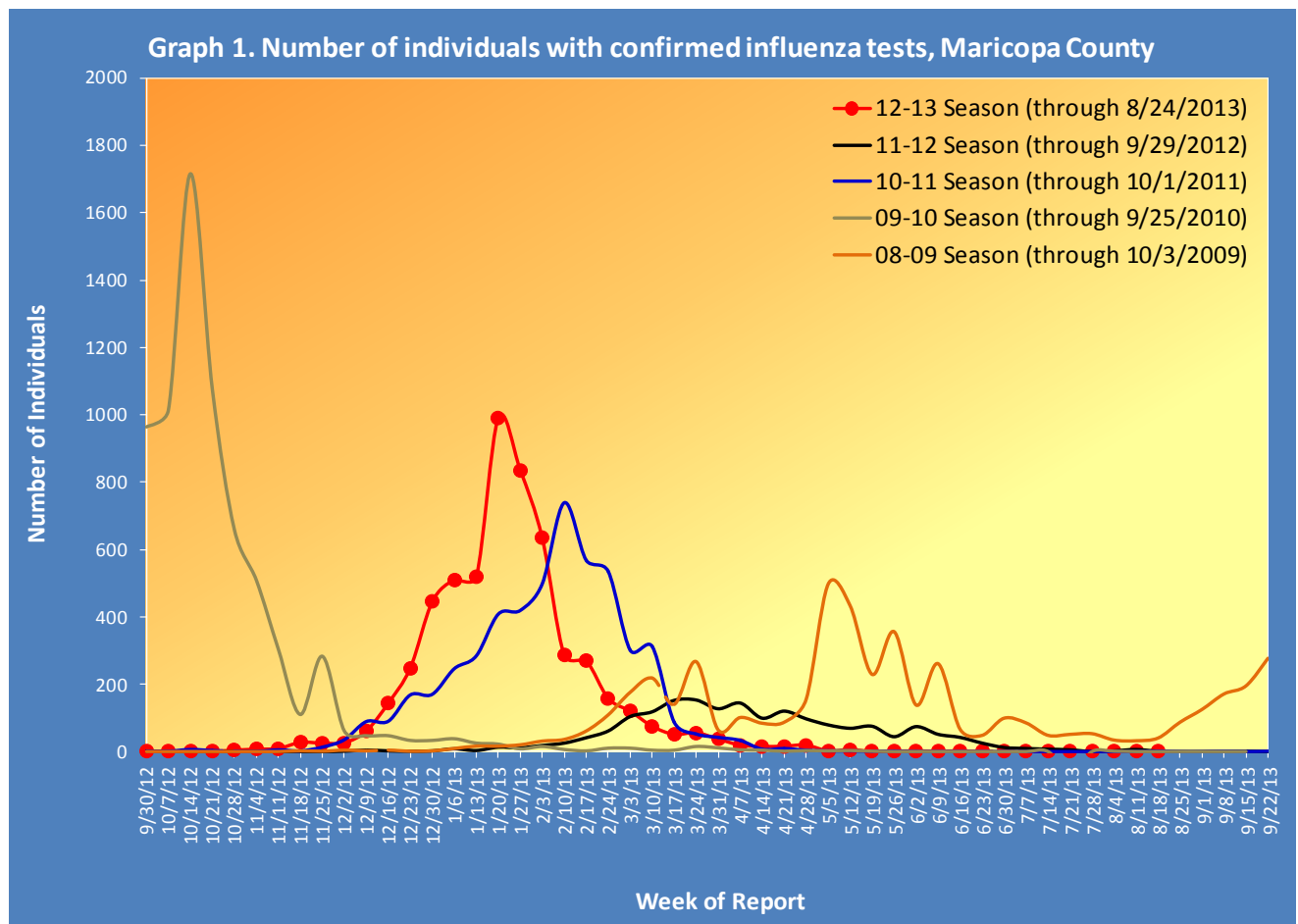
Maricopa County Department of Public Health INFLUENZA UPDATE

September 30, 2012 through August 24, 2013

Posted August 30, 2013

Individuals with Laboratory Confirmed Influenza

This influenza season (2012-13), there have been 5,626 individuals confirmed with an influenza test; one new case has been reported in the past two weeks. On October 30th, 2012, the first locally-acquired influenza case was confirmed at the Arizona State Public Health Laboratory. The state of Arizona reported **no** activity for week 33 and **sporadic** activity for week 34. The numbers in this report are based on processed cases. The chart below shows tests each week for the current season (red) and previous seasons.



Types of Influenza

This influenza season, three types of influenza have been reported. Table 1 shows the number and percentage of tests reported by influenza type and subtype.

| Table 1. Types/Subtypes of Influenza by Test, 2012-2013 Season, Maricopa | | |
|---|-------------|---------------|
| Total | 5626 | 100.0% |
| Type A | 4081 | 72.5% |
| <i>Subtype 2009 H1N1</i> | 32 | 0.8% |
| <i>Subtype H3</i> | 895 | 21.9% |
| <i>Subtyping not performed or unknown</i> | 3154 | 77.3% |
| Type B | 1475 | 26.2% |
| Type Unknown | 70 | 1.2% |

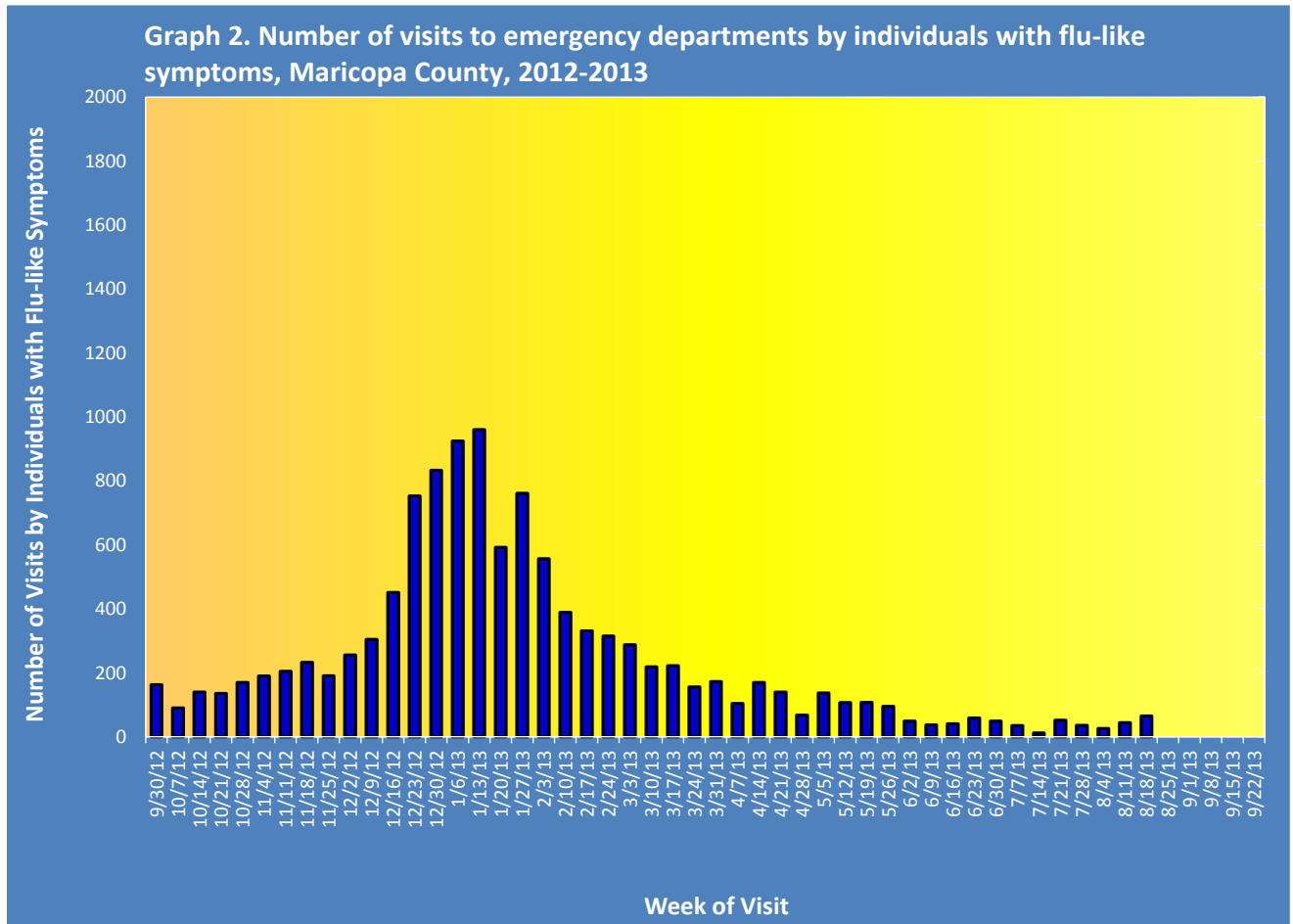
Pneumonia and Influenza (P&I) Deaths

This influenza season, there have been 1,261 pneumonia and influenza (P&I) deaths (including 11 pediatric deaths (none attributed to influenza)). There have been 26 adult influenza deaths reported this season. This has increased from last season's total of 1,201 P&I deaths (including 12 pediatric deaths (none attributed to influenza)). Table 2 shows the number of P&I deaths and the number of influenza deaths that occurred this season and last season.

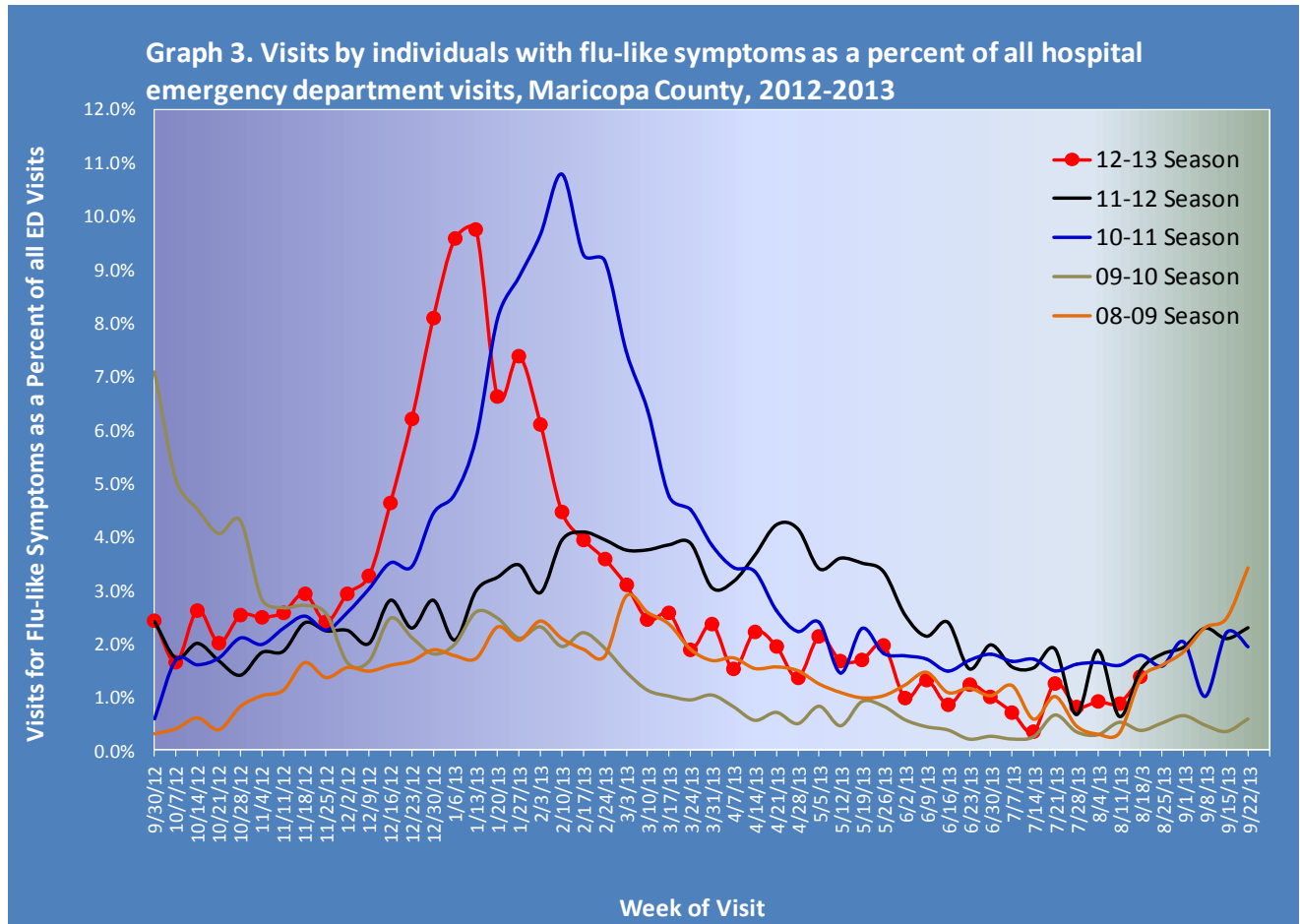
| Table 2. Pneumonia and Influenza (P&I) Deaths, 2011-12 & 2012-13 Seasons, Maricopa County | | | | |
|--|--|-----------|---|-----------|
| | Current Season (2012-2013) As of [08/24/2013] | | Last Season (2011-2012) As of [08/25/2012] | |
| | Pneumonia and Influenza | Influenza | Pneumonia and Influenza | Influenza |
| Pediatric (Under Age 18) | 11 | 0 | 12 | 0 |
| Adult (18 and Over) | 1250 | 26 | 1189 | 5 |

Respiratory Illness Activity at Hospital Emergency Departments

This influenza season, there have been 11,438 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 or sore throat. Graph 2 shows the number of patients with flu-like symptoms seen at 12 emergency departments.

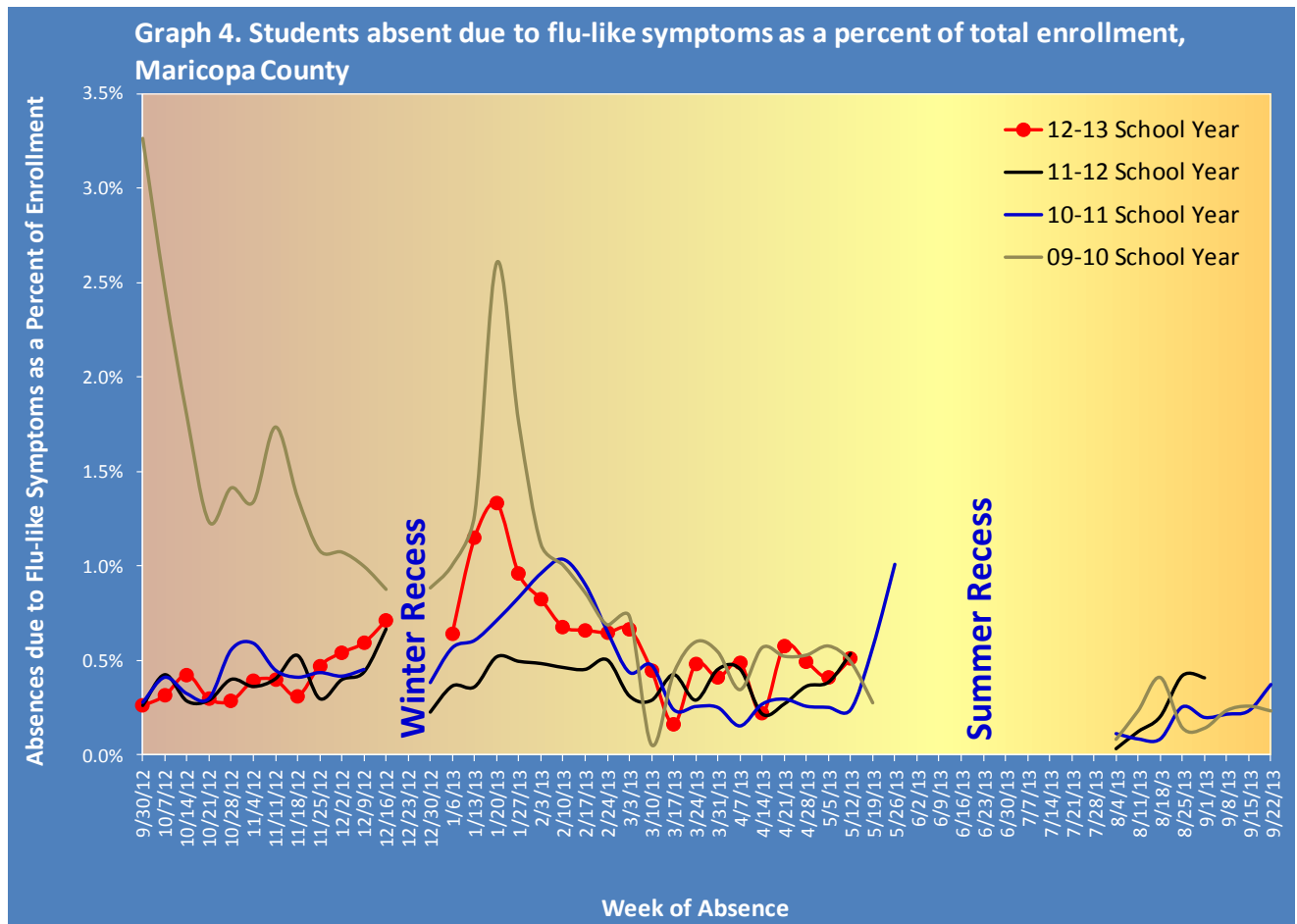


Graph 3 shows what percent of all emergency department visits were individuals with flu-like symptoms (fever and cough/sore throat). The graph shows the trend week by week, with the current season in red.



Respiratory Illness Activity at Schools

Graph 4 shows the percent of enrolled students in selected public schools who were absent due to flu-like symptoms. To be counted as a student absent with flu-like symptoms, the student must be kept home from school and reported (usually by a parent) to have both a fever and cough or sore throat. The chart shows the trend week by week, for the current school year (red) and previous school years.



***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
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)