

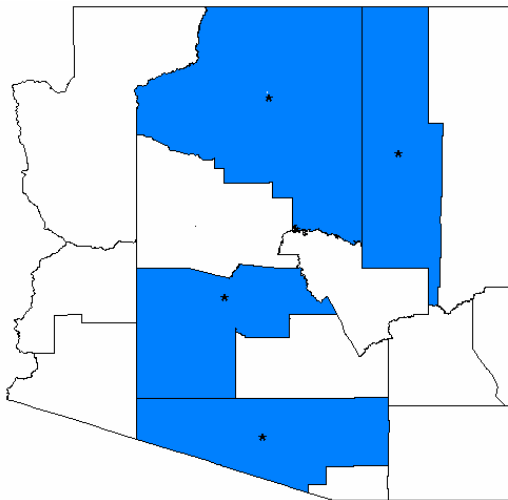
**Weekly Influenza Summary:**

"Local" influenza activity was reported in Arizona for the week ending on 12/08/2007 (week 49). A total of 17 cases have been reported from across four counties. No pediatric influenza-associated deaths have been reported in Arizona for the current season. The influenza-like illness rate is above the state baseline for week 48.

Data in this report are provisional and may change as more reports are received.

National influenza surveillance data are available at the CDC's Influenza Surveillance site (<http://www.cdc.gov/flu/weekly/fluactivity.htm>).

**Influenza Activity by County:**



**Key:**

\* = Any activity reported this season

Blue = Activity reported in past three weeks

White = No activity reported in past three weeks

**Flu Cases Reported 2007 – 2008 Season**

County	# cases	County	# cases	County	# cases
Apache	0	Greenlee	0	Pima	1
Cochise	0	La Paz	0	Pinal	0
Coconino	1	Maricopa	13	Santa Cruz	0
Gila	0	Mohave	0	Yavapai	0
Graham	0	Navajo	2	Yuma	0

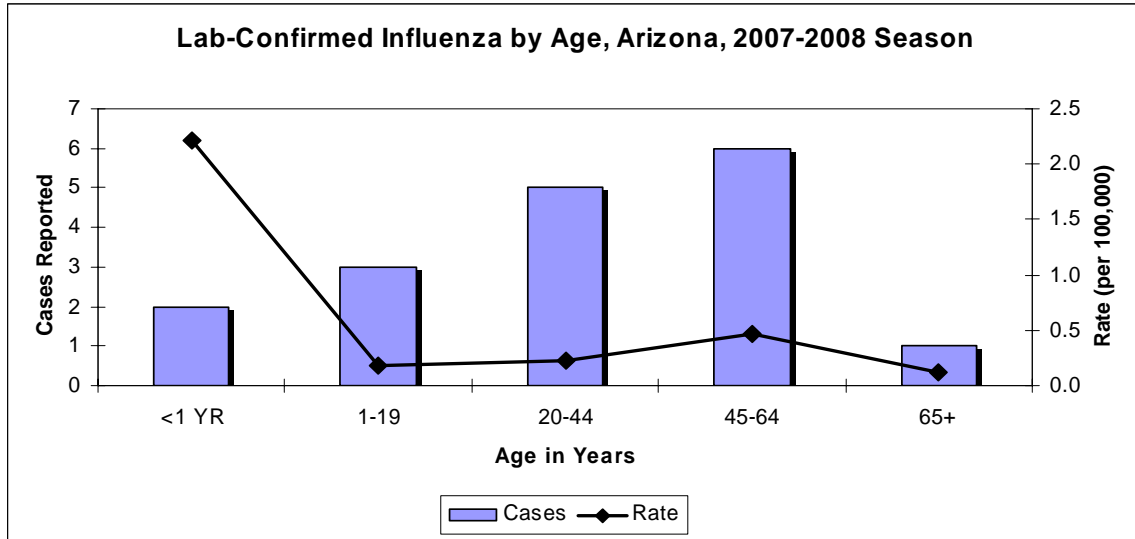
**Flu Cases Reported Last Week**

County	# cases	County	# cases	County	# cases
Apache	0	Greenlee	0	Pima	0
Cochise	0	La Paz	0	Pinal	0
Coconino	0	Maricopa	6	Santa Cruz	0
Gila	0	Mohave	0	Yavapai	0
Graham	0	Navajo	2	Yuma	0

**Lab Surveillance:**

Laboratories report positive influenza tests to ADHS. Of the lab-confirmed influenza reported this season, fourteen are influenza A (nine confirmed by culture or PCR) and three are influenza B (one confirmed by culture or PCR).

Ages of reported cases range from less than one year to over 65 years.



**Subtyping – Culture or PCR Results:**

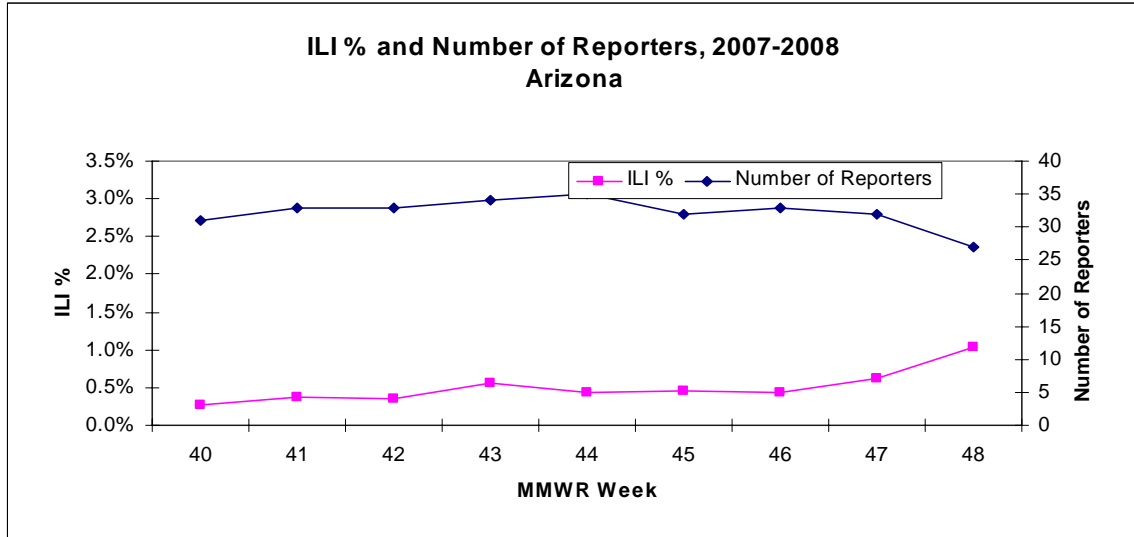
Viral isolation, or culture, is currently the “gold standard” for diagnosis of influenza virus infections. The influenza subtype can be determined by a test called hemagglutination inhibition (HI) using viral isolates. Polymerase chain reaction (PCR) can also be used to identify influenza B and the hemagglutinin (H) component of influenza A.

Of the nine culture- or PCR-confirmed influenza A cases, all are H1 by PCR. The one culture or PCR positive influenza B case has not yet been subtyped.

**Influenza-Like Illness (ILI) Surveillance from Sentinel Providers**

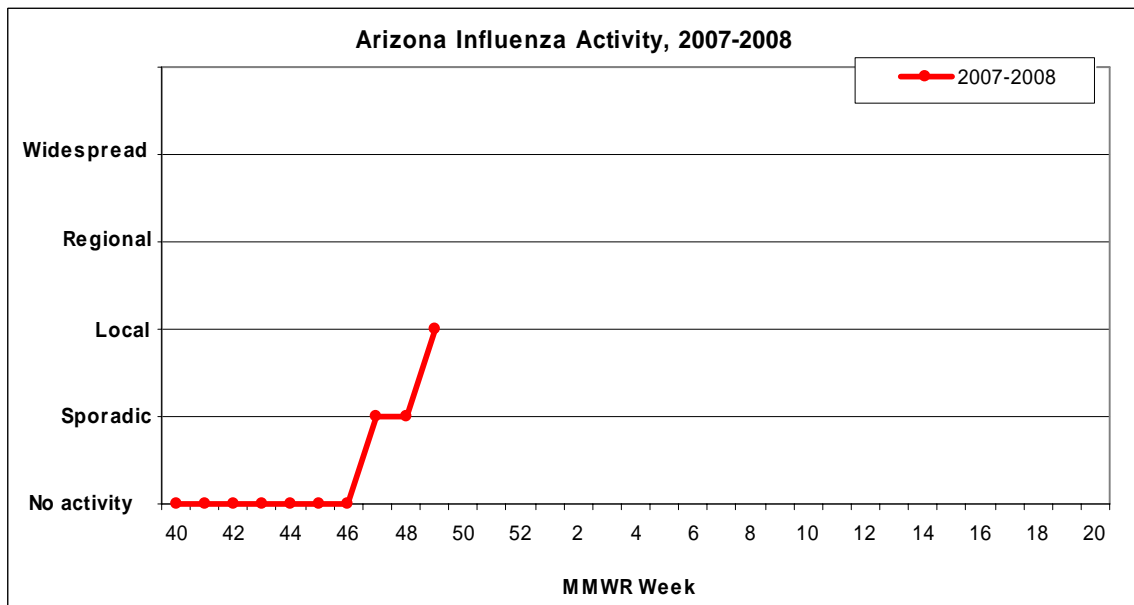
The proportion of patient visits to sentinel providers for ILI in the state was 1.0% for the week ending 12/01/2007 (week 48). This value is higher than the Arizona ILI baseline (0.5%).

ILI is defined as a fever of at least 100°F plus either a cough or a sore throat.



**Arizona Influenza Activity Levels**

The graph below shows the influenza activity levels reported to the CDC for this season only. CDC has changed the reporting criteria for state activity levels so Arizona’s data from previous seasons are no longer directly comparable to the current season. For week 48, Arizona reported “local activity”. Definitions of these reporting categories can be found at <http://www.cdc.gov/flu/weekly/fluactivity.htm>.



**RSV Activity in Arizona:**

Increasing respiratory syncytial virus (RSV) activity has been reported in Arizona. As of 12/08/2007, 35 lab-confirmed cases have been reported. Fourteen new cases of RSV were reported during week 49.

