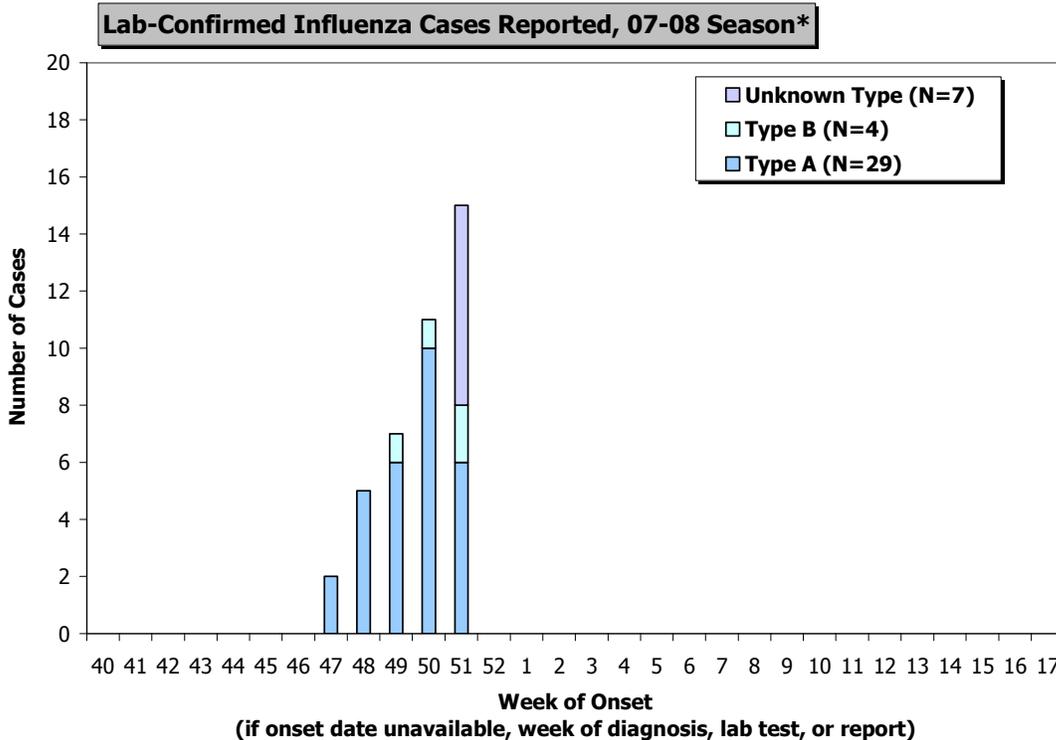


**MARICOPA COUNTY INFLUENZA SUMMARY UPDATE
WEEK 51 (12/16/07-12/22/07)**

- **Case Count: 40 lab-confirmed cases reported (through Week 51)**
- **Pneumonia & Influenza Mortality: 4.94% of all deaths were due to pneumonia or influenza (all of Maricopa County, Week 51)** (MCDPH Office of Vital Statistics)
- **Influenza-Like Illness:**
 - **Cigna Health Centers (n=20): 0.22% of visits due to ILI.** Week 50 & 51 data is unavailable. (provisional data; subject to change as updated information becomes available)
 - **Hospital Emergency Departments (n=11): 1.42% of visits due to ILI**
- **Absenteeism, Elementary & Jr. High Schools (n=23):** Students on winter recess.

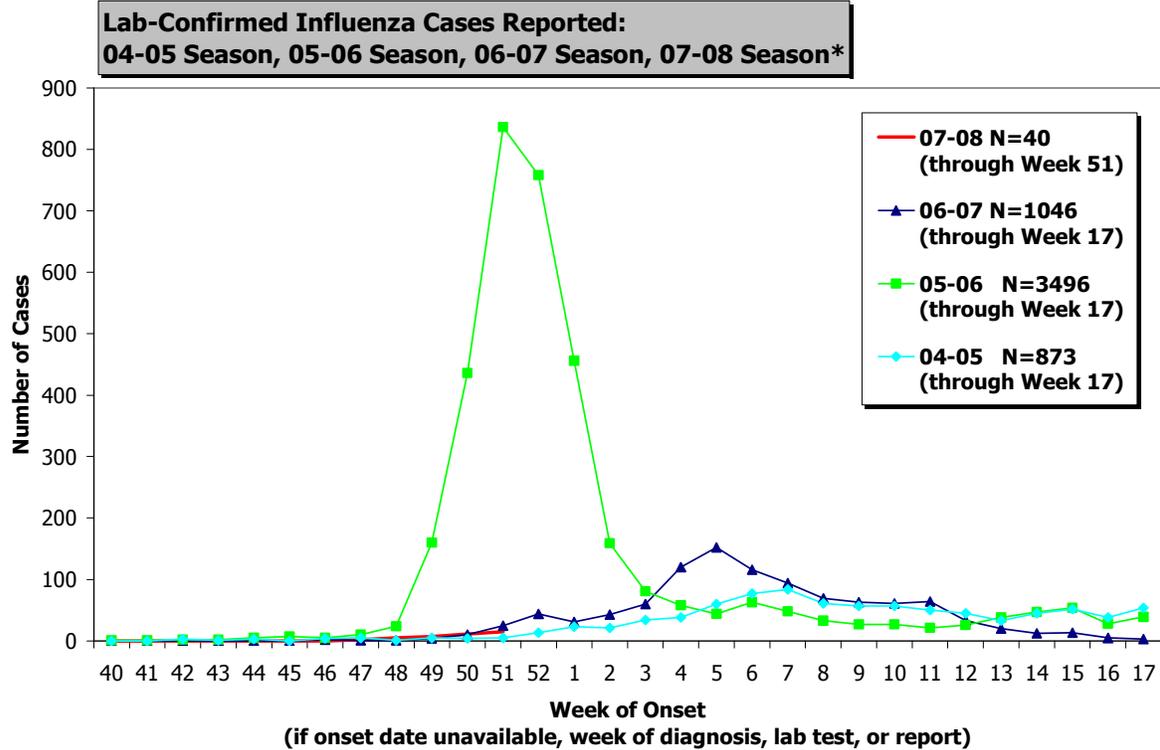
Lab Surveillance

At the time of this report, 40 lab-confirmed cases have been reported for the 07-08 season through Week 51.



*Counts for the most recent weeks of the 07-08 season may increase as additional cases are reported.

Lab Surveillance



*Counts for the most recent weeks of the 07-08 season may increase as additional cases are reported.

Pneumonia & Influenza Mortality Surveillance

For Week 51 (12/16/07-12/22/07), the MCDPH Office of Vital Statistics reported that of all deaths, the percentage due to pneumonia or influenza was 4.12% for the City of Phoenix, 5.38% for Maricopa County less the City of Phoenix, and 4.94% for all of Maricopa County.

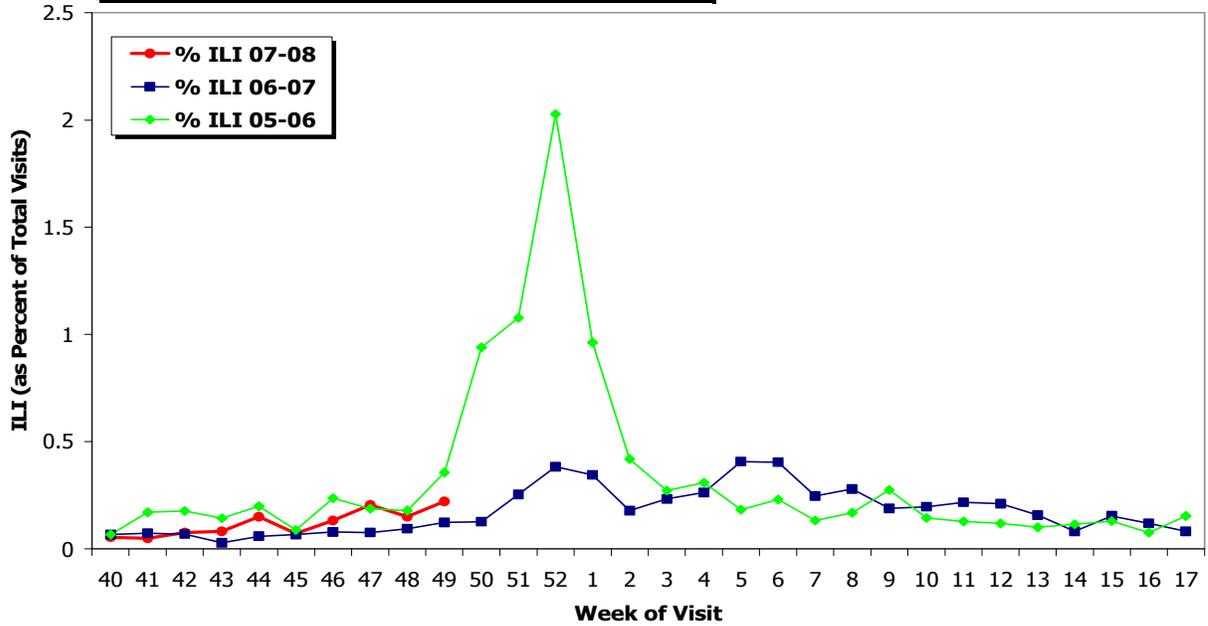
Influenza-Like Illness (ILI)* Surveillance

*ILI case definition: fever (at least 100°F) AND cough and/or sore throat.

- During Week 49, 0.22% of patient visits to Cigna Health Care Centers (data from 20 centers, six departments) were due to ILI. During Week 49 of the two previous seasons, 0.12% (06-07) and 0.35% (05-06) of patient visits to Cigna Health Care Centers were due to ILI. (*Provisional data; may change in subsequent reports as updated information becomes available.) (Weeks 50 & 51 are unavailable).
- The percentage of ER visits for ILI (data from 11 hospitals) was 1.42% for Week 51. ER ILI percentages for 07-08 season ranged from 0.39% to 1.42%.

Influenza-Like Illness (ILI)* Surveillance

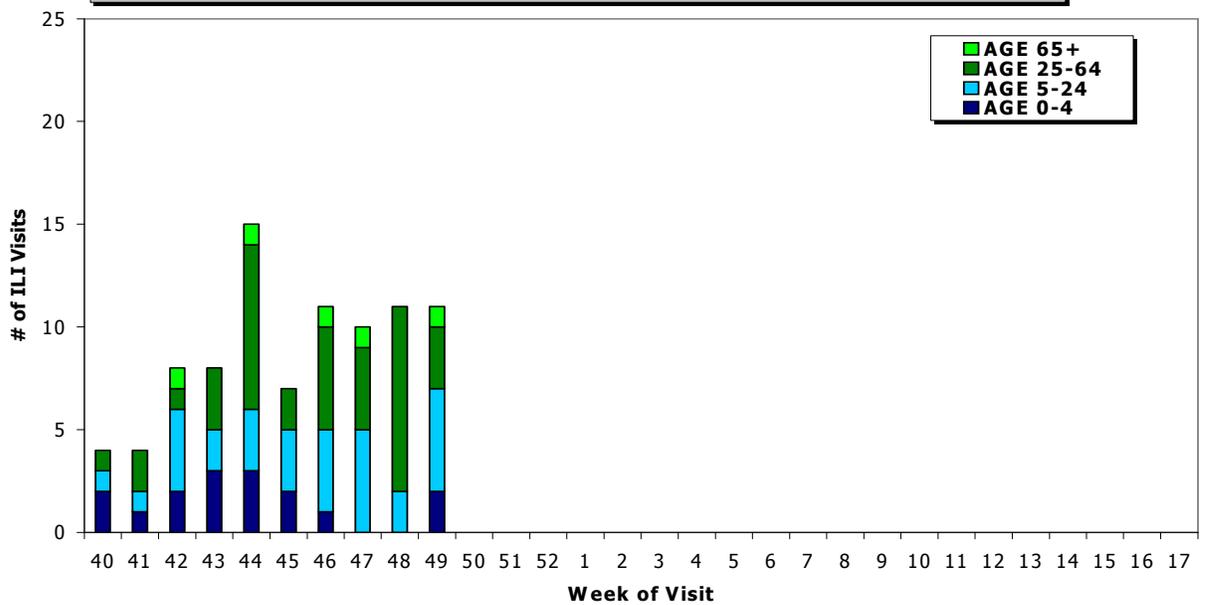
**Cigna Health Care Centers (n=20):
ILI Visits as Percentage of Total Visits,
05-06 Season, 06-07 Season & 07-08 Season***



*Data for Weeks 44-49 of the 07-08 season is provisional and may change in subsequent reports as updated information becomes available.

**Data for Week 50 & 51 are unavailable for this report.

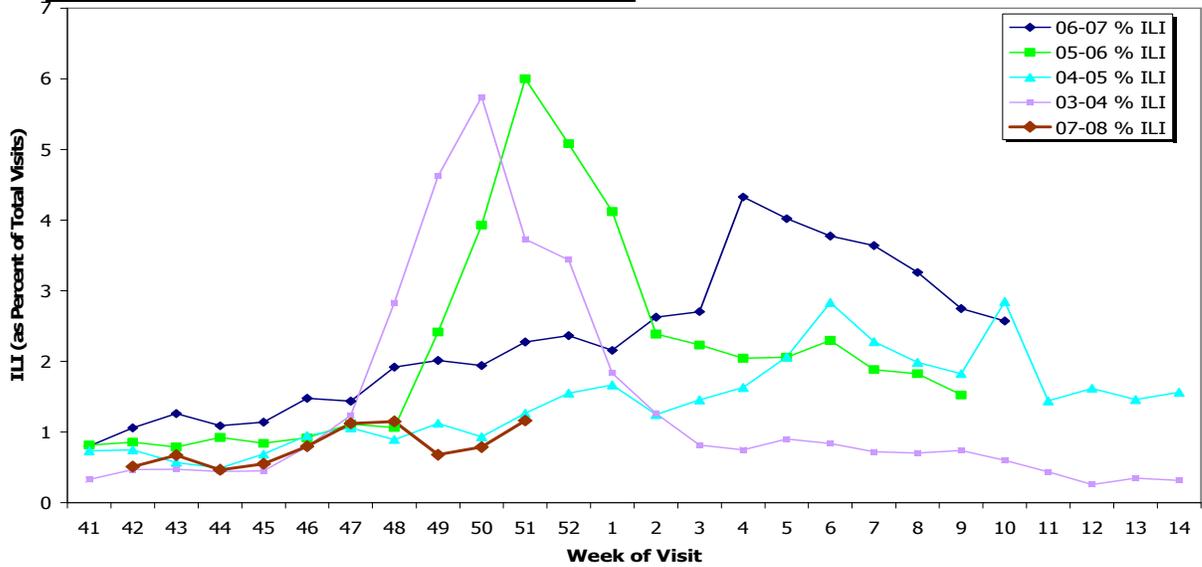
**Cigna Health Care Centers (n=20):
Number of Visits for Influenza-Like Illness (by age group)*, 07-08 season**



*Data for Weeks 44-49 of the 07-08 season is provisional and may change in subsequent reports as updated information becomes available.

Influenza-Like Illness (ILI)* Surveillance

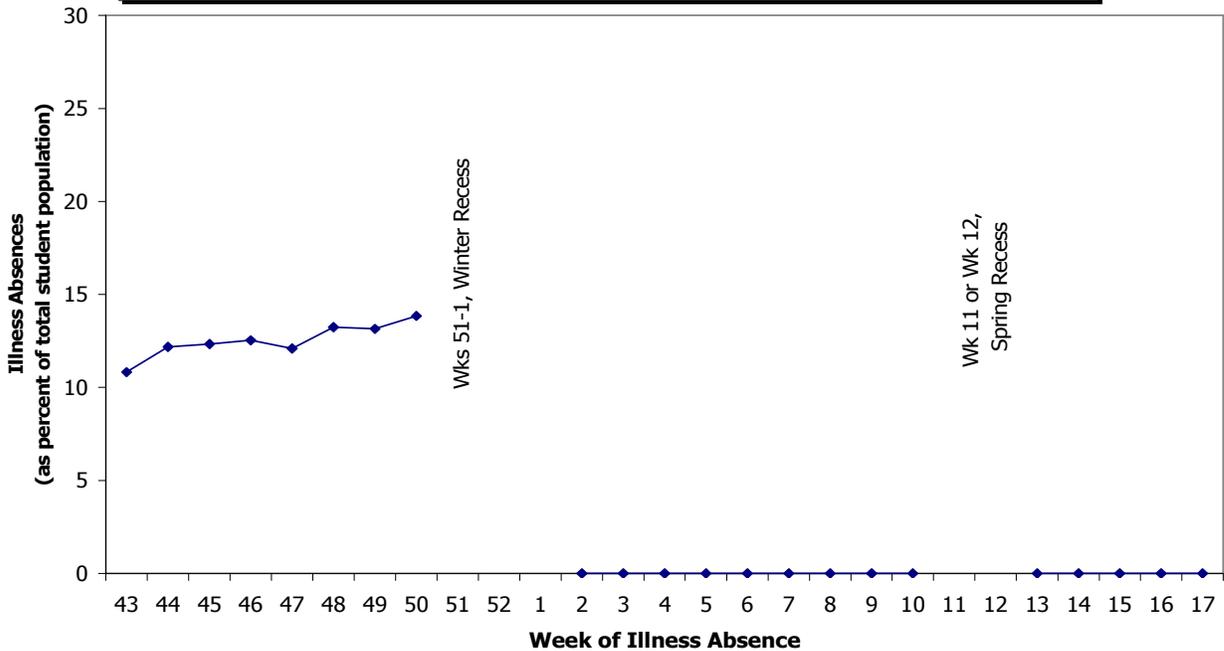
**Hospital Emergency Departments (n=7):
ILI Visits as Percentage of Total Visits,
03-04, 04-05, 05-06, 06-07 & 07-08 Seasons**



Absenteeism (due to illness), Elementary and Jr. High Schools

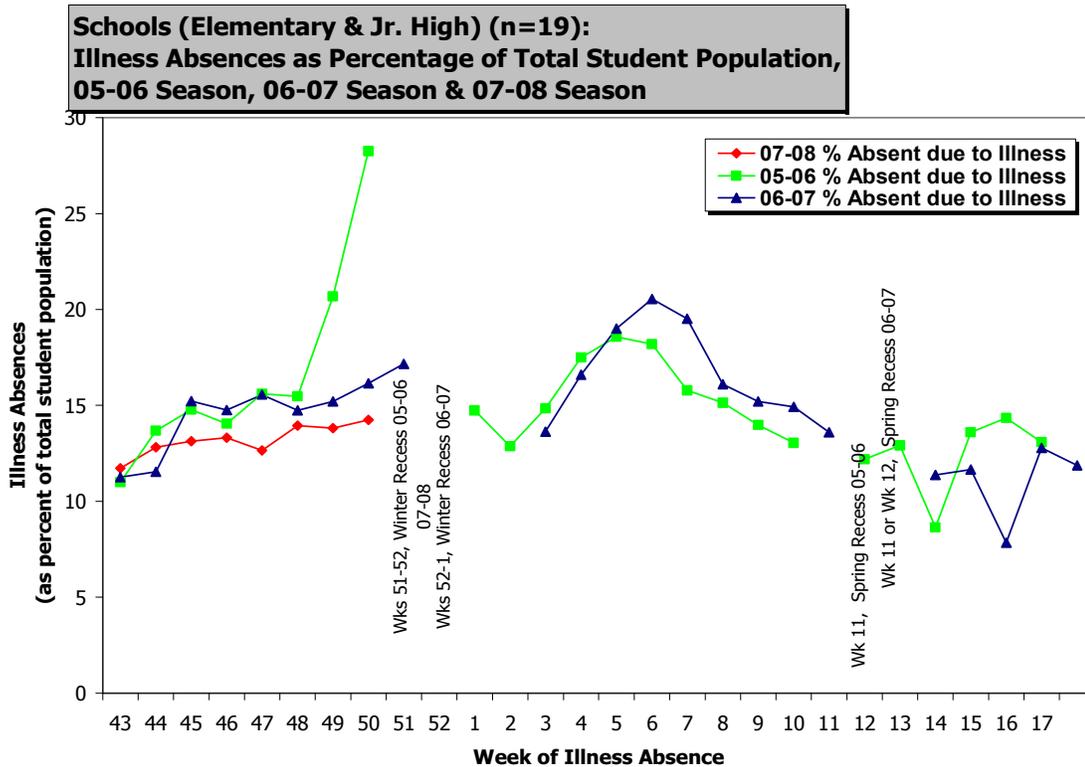
- School surveillance data are not available due to winter recess.

**Schools (Elementary & Jr. High) (n=23):
Illness Absences as Percentage of Total Student Population, 07-08 Season**



Absenteeism (due to illness), Elementary and Jr. High Schools

- For 19 of the 23 schools, data is available for multiple seasons. For these schools, the percentage of students absent due to illness was 14.3% for Week 50 of this season. For Week 50 of the two previous seasons, the absenteeism percentages were 17.2% (06-07) and 28.3% (05-06).



Influenza Activity outside Maricopa County

Information on influenza activity outside Maricopa County is available at these sites:

- http://azdhs.gov/phs/oids/epi/flu/az_flu_surv.htm (Arizona Department of Health Services)
- <http://www.cdc.gov/flu/weekly/fluactivity.htm> (CDC)

Due to wide variability between national- and local-level data, it is not appropriate to apply any national baselines or thresholds to the information represented in this report.

Please email any questions about this report to: dereksteinke@mail.maricopa.gov .
Report generated: 12/28/07.

Influenza Surveillance Participants include:

Cigna Health Care Centers

Hospital Emergency Departments & Infection Control Practitioners

- Banner Baywood Medical Center
- Banner Desert Medical Center
- Banner Good Samaritan Medical Center
- Carl T. Hayden VA Medical Center
- Del E. Webb Hospital
- John C. Lincoln Hospital - Deer Valley
- John C. Lincoln Hospital - North Mountain
- Maricopa Medical Center
- Mayo Clinic
- Mesa General Hospital
- Phoenix Indian Medical Center
- Phoenix Memorial Hospital
- Scottsdale Healthcare Shea
- Scottsdale Healthcare Osborne
- St. Joseph's Hospital & Medical Center
- St. Luke's Hospital
- Tempe St. Luke's Hospital
- Wickenburg Community Hospital

Schools (listed by school district)

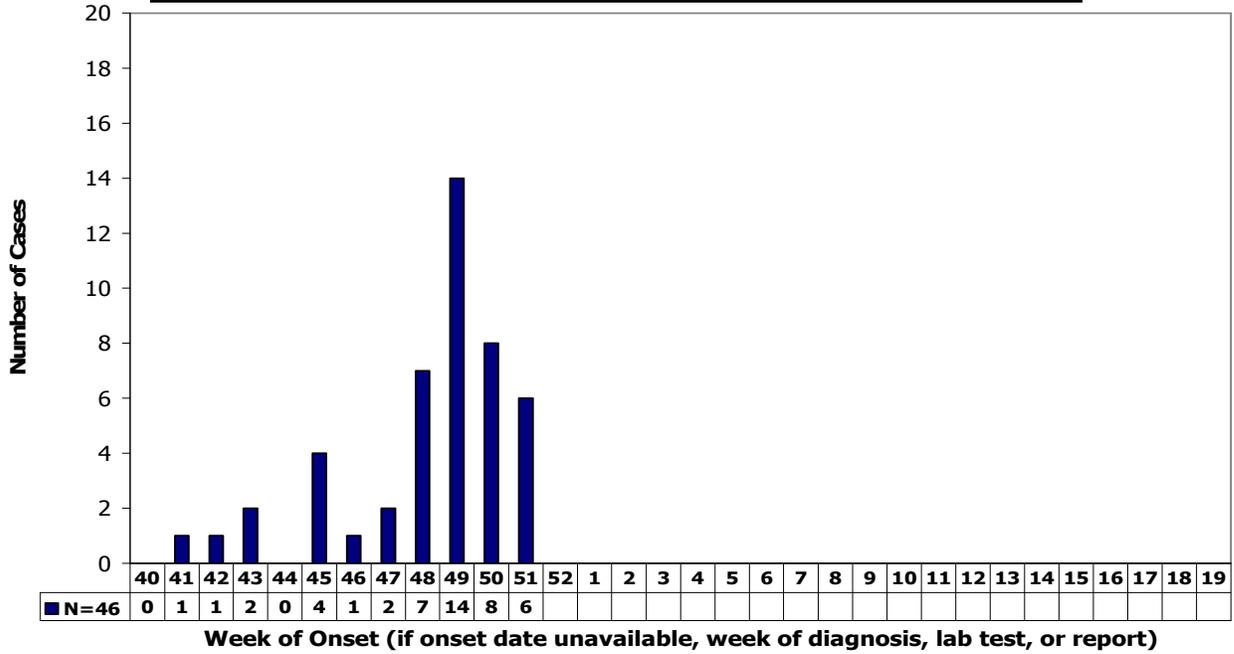
- Deer Valley Unified School District
 - Legend Springs Elementary
 - New River Elementary
 - Park Meadows Elementary
- Gilbert Public Schools
 - Gilbert Jr. High
 - Harris Elementary
 - Technology & Leadership Academy
- Glendale Elementary School District
 - Burton Elementary
 - Horizon Elementary
- Mesa Public Schools
 - Barbara Bush Elementary
 - Field Elementary
 - Irving Elementary
 - Lowell Elementary
 - Salk Elementary
 - Whittier Elementary
 - Shepherd Jr. High
- Taylor Jr. High
- Morristown Elementary District
 - Morristown Elementary
- Paradise Valley Unified School District
 - Desert Cove Elementary
 - Desert Springs Elementary
 - North Ranch Elementary
- Tempe Elementary School District
 - Bustoz Elementary
 - Gilliland Middle
- Washington Elementary School District
 - Arroyo Elementary
 - Desert Foothills Jr. High
 - Lakeview Elementary
 - Ocotillo Elementary
 - Shaw Butte Elementary
 - Sunburst Elementary
 - Sweetwater Elementary

MARICOPA COUNTY RSV SUMMARY UPDATE WEEK 51 (12/16/07-12/22/07)

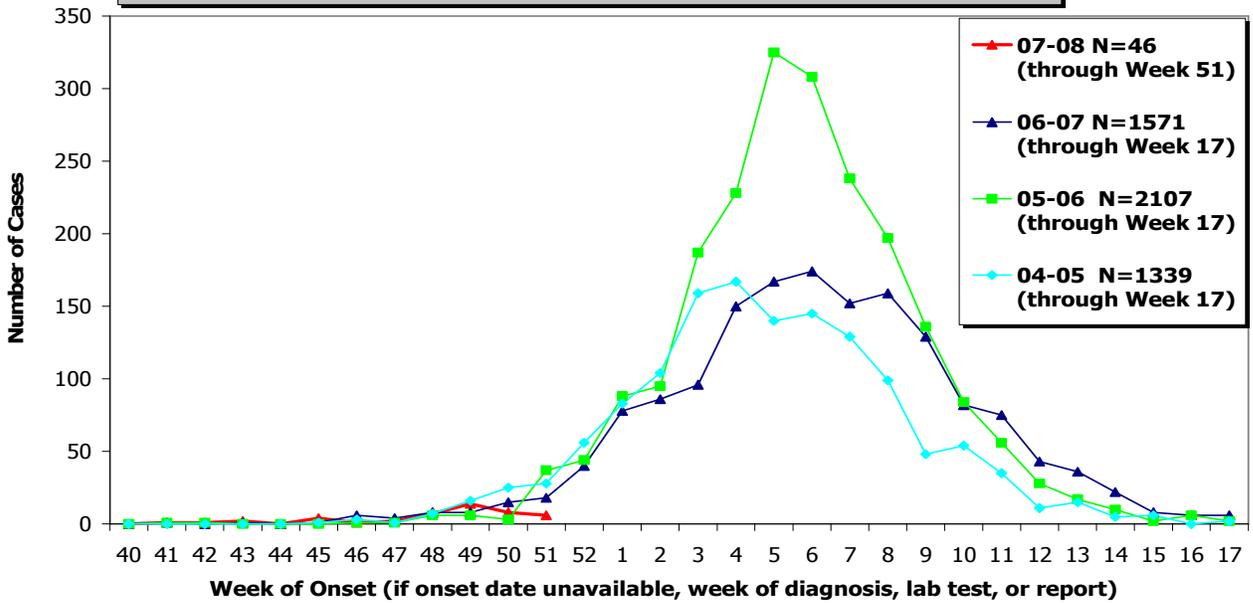
Respiratory Syncytial Virus (RSV) Lab Surveillance

At the time of this report, 46 lab-confirmed cases of RSV have been reported through Week 51.

Lab-Confirmed Respiratory Syncytial Virus (RSV) Cases Reported, 07-08 Season*



Lab-Confirmed Respiratory Syncytial Virus (RSV) Cases Reported: 04-05 Season, 05-06 Season, 06-07 Season, 07-08 Season*



*Counts for the most recent weeks of the 07-08 season may increase as additional cases are reported.