

Montana Influenza Summary

Confirmed or Suspected Influenza Cases Reported as of 6/1/2013.

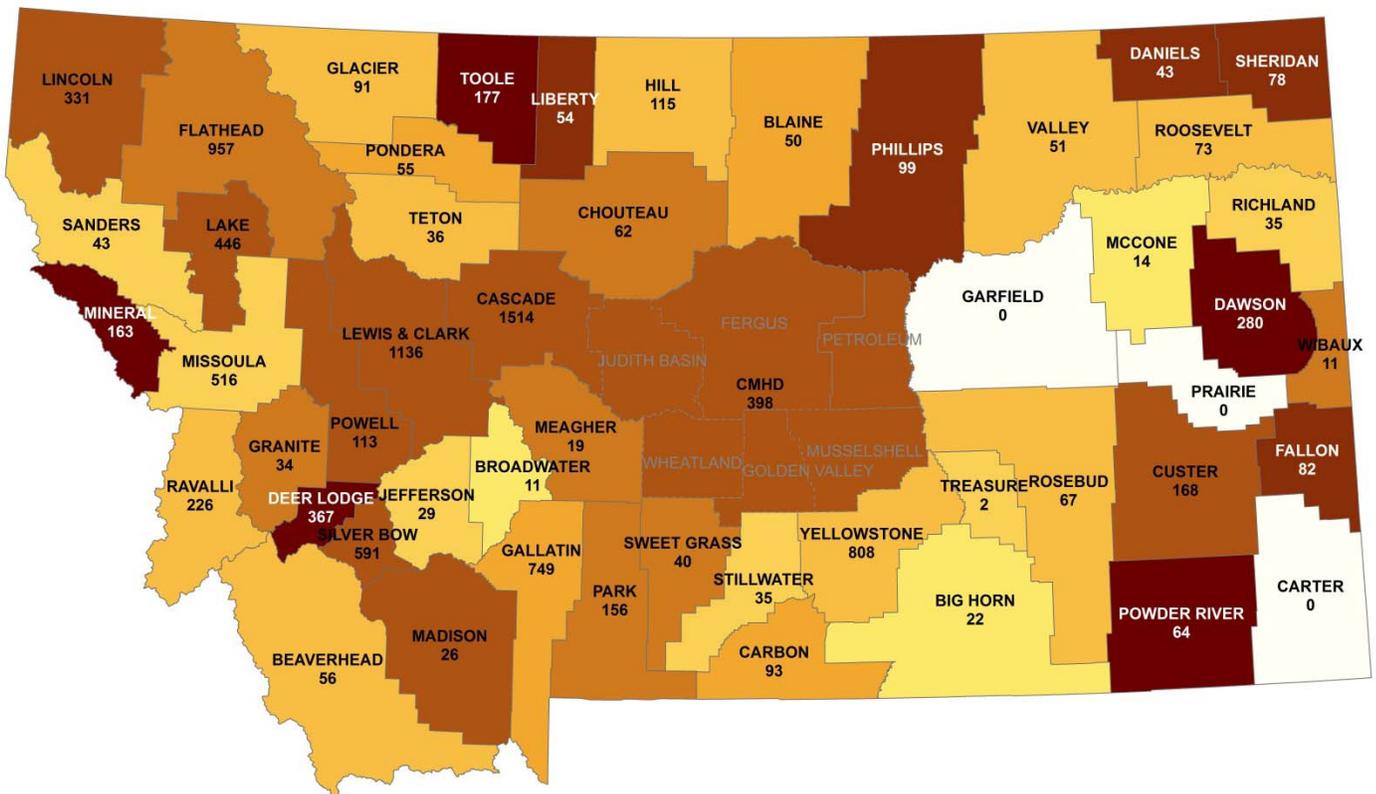


Montana's influenza activity level for the week ending on 6/1/2013 (MMWR Week 22) is defined as: **NO ACTIVITY**¹

Overview: Surveillance for the 2012-2013 influenza season officially began on September 30, 2012. The Montana Department of Health and Human Services (DPHHS) provided a weekly report throughout the influenza season that coordinates data from a variety of sources to give the most complete and up to date view of influenza activity for the state of Montana. This is the final report for the 2012-13 influenza season.

Summary of Influenza Activity: During the 2012-13 season, there was a wide variation of reported number of total confirmed or suspected influenza cases across the state including three counties with no reported influenza activity (range: 0–1514). There were 361 hospitalizations and fifteen deaths attributed to influenza. The map below demonstrates 2012-13 seasonal influenza activity as case counts by county. In addition, each county is shaded by the incidence rate of disease (per 10,000 population).

Number and incidence of reported influenza cases by county of residence, Montana 2012-13



Cases per 10,000 population

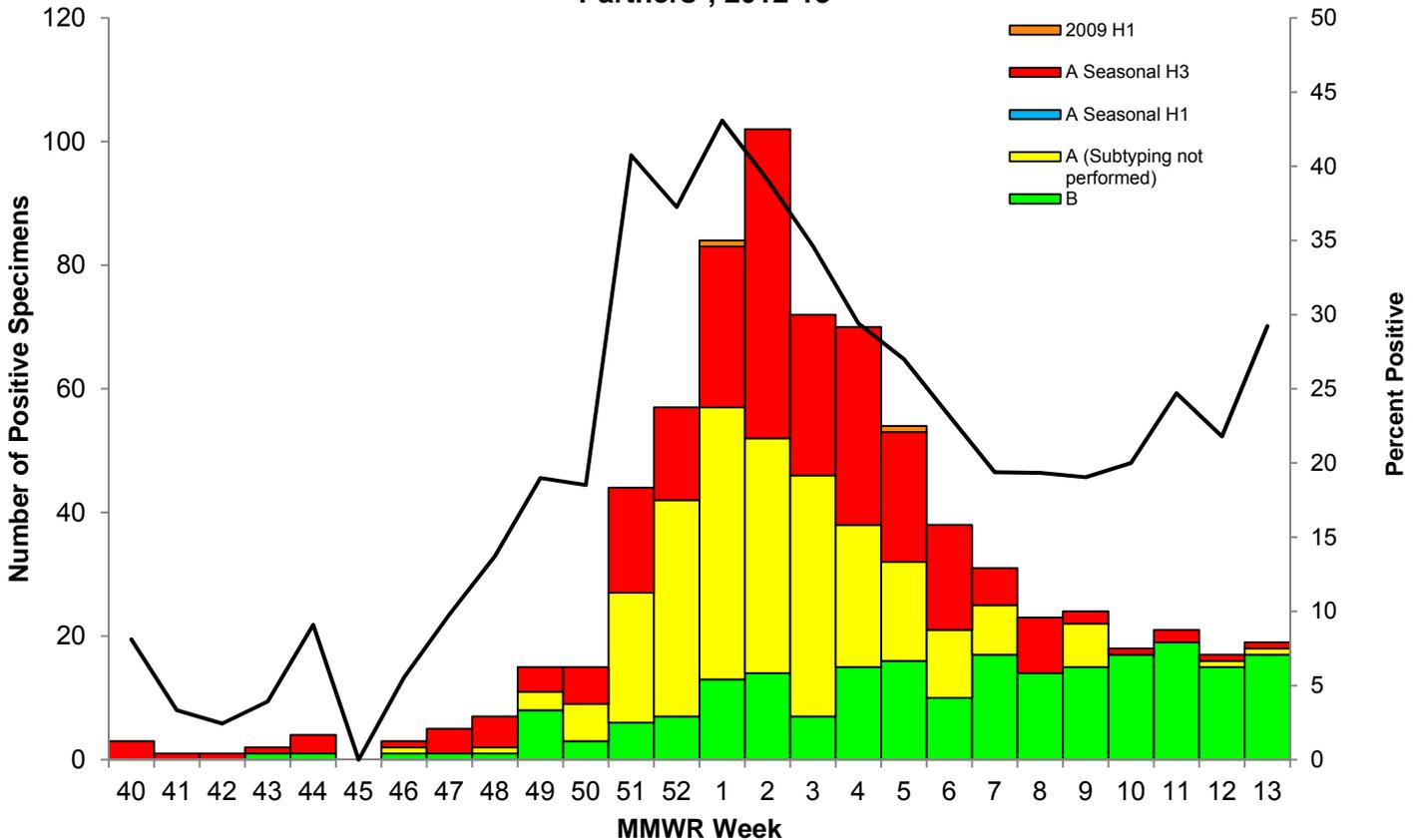


CMHD = Central Montana Health District. CMHD includes Fergus, Golden Valley, Judith Basin, Musselshell, Petroleum and Wheatland Counties.

Laboratory Surveillance: The Montana Public Health Laboratory (MTPHL) and partners report the number of specimens tested for influenza by Polymerase Chain Reaction (PCR) as well as the number of positives by influenza virus type and influenza A virus subtype. The table presented below contains testing data through week ending March 30, 2013 (MMWR Week 13).

Table 1. Influenza Types Confirmed by MTPHL and Partners ^{*†}		
	Week 13	YTD
Number of specimens tested	65	2807
Number of positive specimens (%)	18(28%)	730(26%)
Positive specimens by type/subtype		
Influenza A	2	512
2009 H1N1	0	2
Subtyping not performed	1	255
H3	1	255
Influenza B	17	218

Influenza Positive Tests Reported by the Montana Public Health Laboratory and Partners*, 2012-13



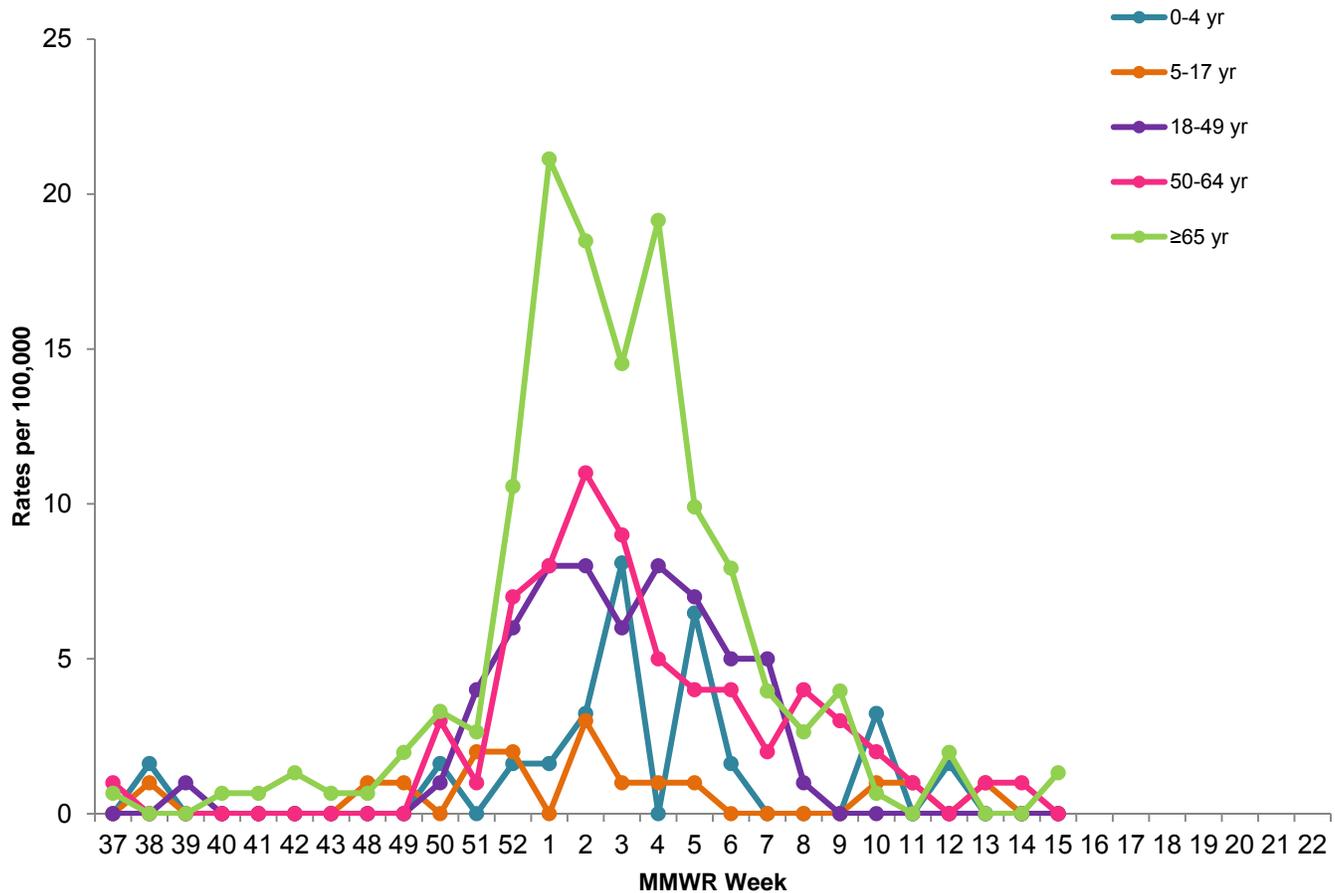
*Partner laboratories include: Benefis, Bozeman Deaconess Hospital, Kalispell Regional Medical Center, Missoula Community Hospital and St. Patrick's Hospital.

Influenza Hospitalizations: Influenza cases, including hospitalizations and deaths, are reportable to local public health in Montana. For the 2012-13 influenza season, 361 influenza-associated hospitalizations were reported. This is a rate of 36.1 per 100,000 population. The most affected age group is individuals that are greater than 65 years of age.

There have been 15 deaths attributed to influenza; 13 were individuals 65 years of age or older. Table 2 presents influenza hospitalizations and deaths for the 2012-13 season.

Table 2. Influenza Hospitalizations and Deaths: Montana, 2012-13			
Hospitalizations	Deaths		
	Pediatric	Adult <65 years	Adult >65 years
361	0	2	13

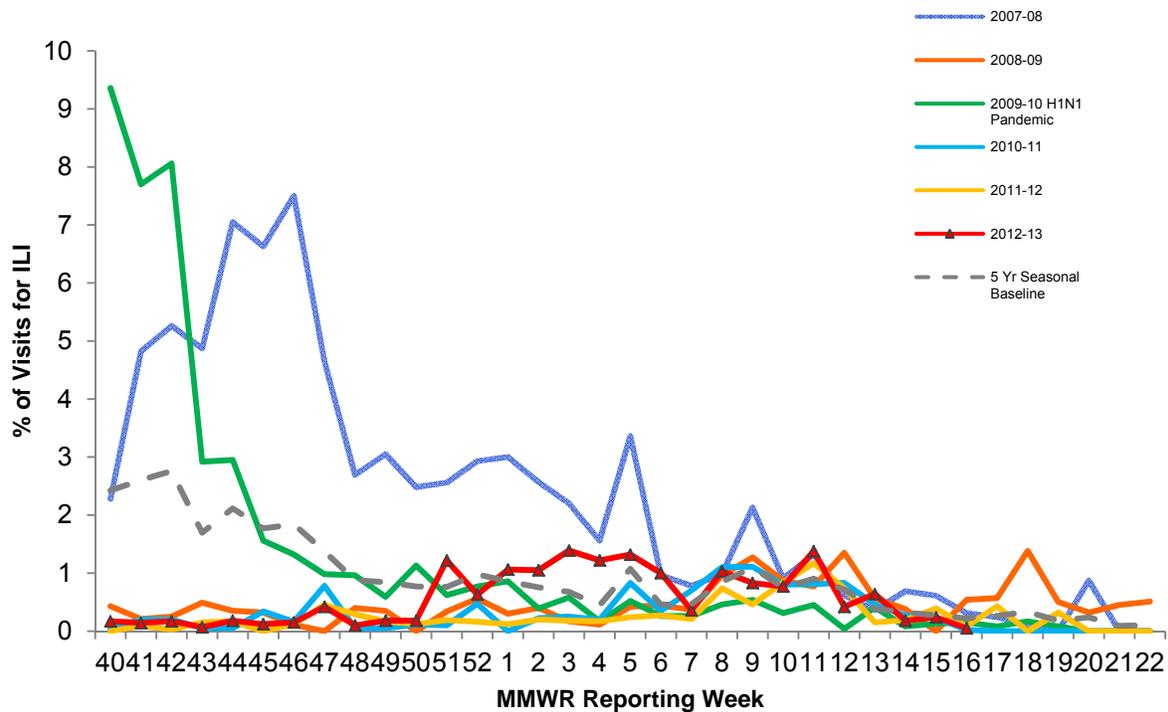
Influenza Hospitalization Rates by age group, Montana 2012-13 Season*



*Reported by hospital admission date.

Influenza-like Illness (ILI): The U.S. Outpatient ILI Surveillance Network (ILINet) is a national system that conducts surveillance for Influenza-like illness (ILI) in outpatient healthcare facilities. ILI is defined as a fever (temperature of 100° F or greater) and cough and/or sore throat. Currently, 11 facilities participate in ILINet in Montana. ILI activity for the 2012-13 season was similar to the two previous seasons.

**Percentage of Influenza-Like Illness (ILI) Reported by Sentinel Providers
Montana, 2012-13 and Previous 5 seasons**



¹**Influenza Activity:** State health departments report the estimated level of geographic spread of influenza activity in their states each week through the **State and Territorial Epidemiologists Reports**. States report geographic spread of influenza activity as no activity, sporadic, local, regional, or widespread. These levels are defined as follows:

- **No Activity:** No laboratory-confirmed cases of influenza and no reported increase in the number of cases of ILI.
- **Sporadic:** Small numbers of laboratory-confirmed influenza cases or a single laboratory-confirmed influenza outbreak has been reported, but there is no increase in cases of ILI.
- **Local:** Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in a single region of the state.
- **Regional:** Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least two but less than half the regions of the state with recent laboratory evidence of influenza in those regions.
- **Widespread:** Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in at least half the regions of the state with recent laboratory evidence of influenza in the state.

For additional information on influenza activity in Montana, please contact your local health department or the Department of Public Health and Human Services' Communicable Disease Epidemiology Section at (406) 444-0273 or visit <http://www.dphhs.mt.gov/influenza/index.shtml>.