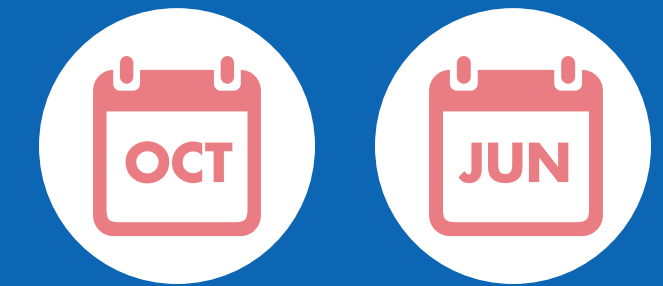


Influenza (Flu) in Mesa County, 2017-2018

Flu season runs from the first week of October through the first week of June.



Flu Hospitalizations

Hospitalized influenza cases are a reportable condition tracked by state and local public health.

There were **232** flu hospitalizations in Mesa County during the 2017-2018 flu season.

Gender:

Half were female

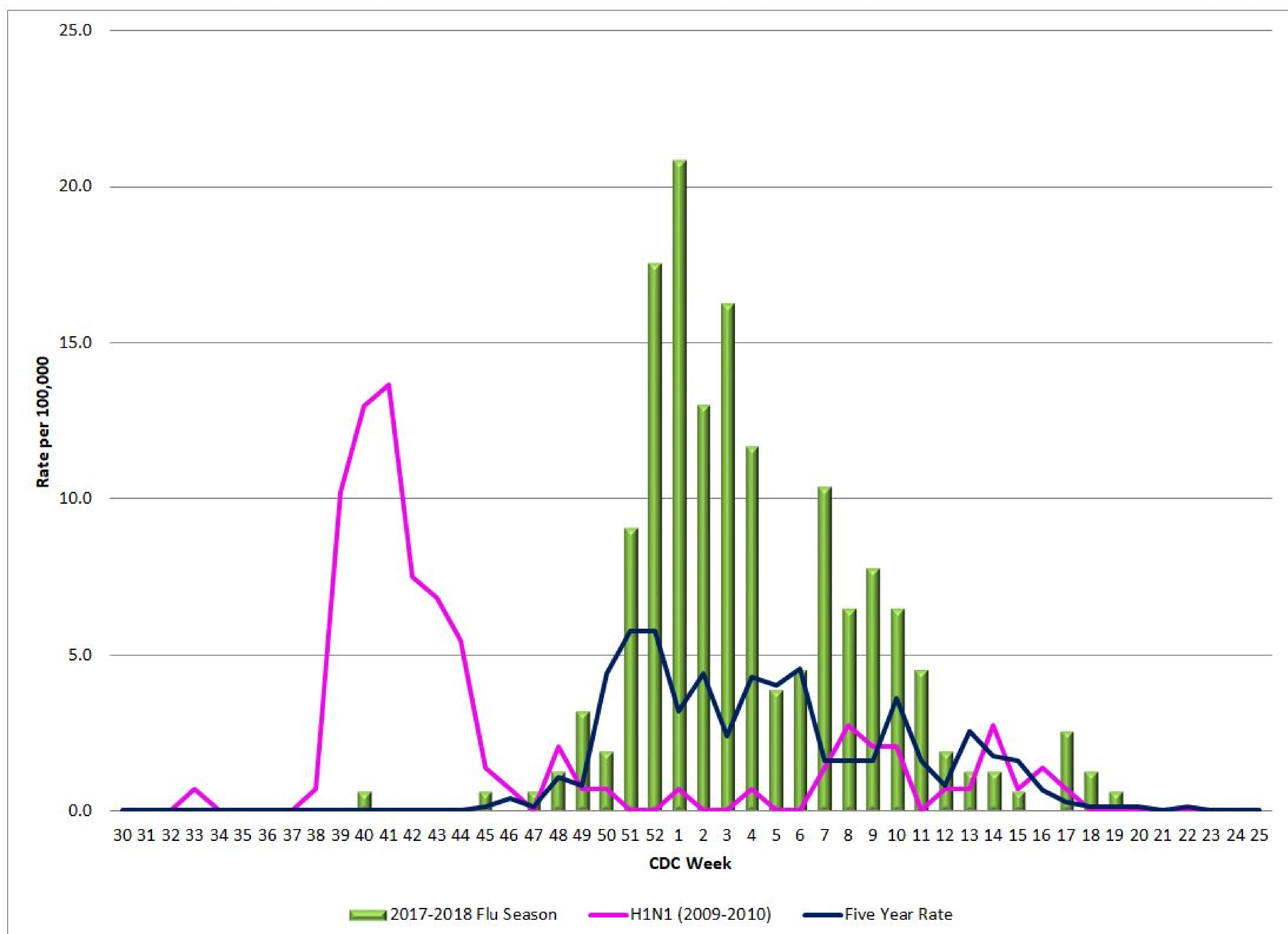
Age Range:

<1-101 years

Median Age:

73 years

Incidence Rate of 2017-2018 Flu Hospitalizations Compared to 2009 H1N1 and Five-Year Average Rate (2012-2013 flu season to 2016-2017 flu season)



Hospitalized Flu Cases by Flu Season

Flu Activity	2017-2018	2016-2017	2015-2016	2014-2015	2009-2010
First Hospitalized Case	Week 40 October 2017	Week 45 November 2016	Week 52 December 2015	Week 46 November 2014	Week 33 August 2009
Weeks with Widespread Activity (CO)	12	1	6	8	9
Peak Week	Week 1 January 2018	Week 6 February 2017	Week 10 March 2016	Week 51 December 2014	Week 41 October 2009
Pediatric Deaths (CO)	1	2	1	6	12
Total Hospitalized Cases	232	168	52	122	117
Incidence Rate (per 100,000)	151.0	110.5	34.5	81.9	79.8

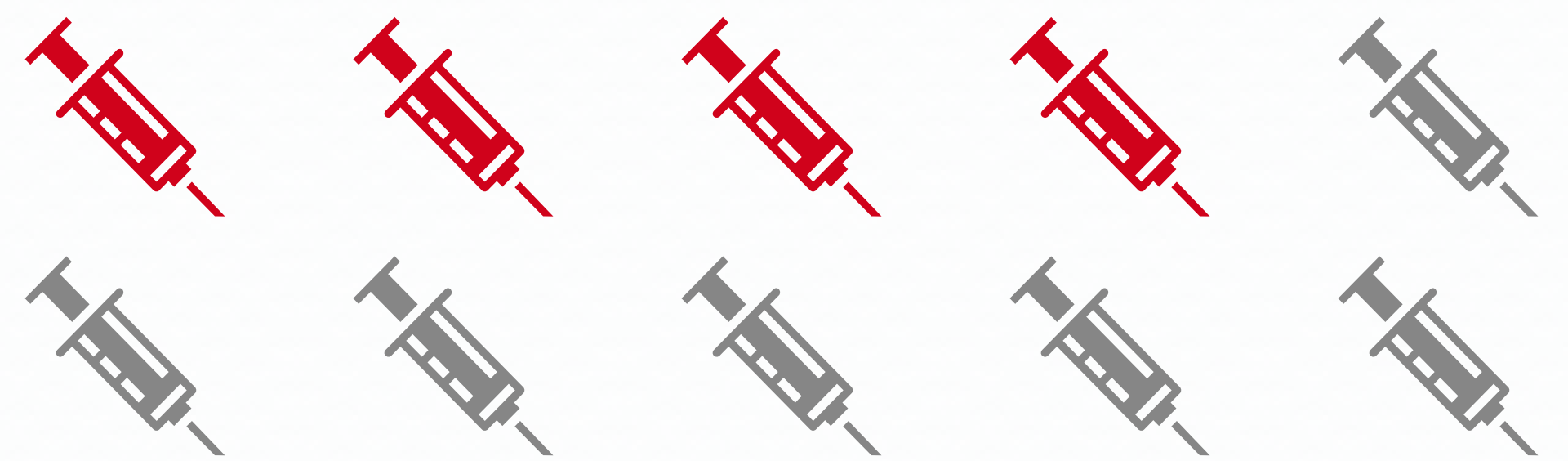
Flu Immunizations



6 in 10

hospitalized cases were immunized.*

*Among 163 cases for which immunization information was available.



4 in 10

adults report receiving a flu vaccination in the past 12 months.

The Healthy People 2020 goal for adults who report receiving a yearly flu vaccine is

70%

Mesa County has a long way to go to reach the Healthy People 2020 goal for seasonal flu immunization.

Flu Outbreaks

During the 2017-2018 flu season there were **15** reported, lab-confirmed outbreaks.

87%

occurred in long-term care facilities.

7

were reported during the 2016-2017 flu season.*

Flu is the leading cause of reported outbreaks in Mesa County.

*This data may reflect an improvement in reporting and not a true increase in outbreaks in the county.

Influenza-Like Illness and Testing

Mesa County hospitals submitted weekly data for flu testing, emergency department visits, and urgent care visits for influenza-like illness (ILI).

5,236

influenza tests were performed in Mesa County.

24.7%

tests were positive for influenza. Compared to Colorado (14.8%) and U.S. (17.0%).

40%

positive tests were Type B. Compared to 30% in Colorado.

Flu Testing:

Week of February 10th

Peak week

ILI and Flu Hospitalizations:

Week of January 6th

Flu Season Summary

Nationally, the 2017-2018 influenza season was categorized as a high severity season, in which activity reached a peak during January and February.

Hospitalizations peaked in Mesa County during the first week of 2018 with 32 hospitalizations reported.

This mirrored the state, as Colorado experienced a peak in hospitalizations during that same week.

Influenza A (H3N2) viruses were the dominant strain overall in Mesa County, Colorado, and the U.S.

Influenza B viruses were detected earlier in the season in Mesa County than in Colorado and the U.S.

Mesa County ended the season with 232 hospitalizations due to flu, more than any other season in the last decade.

A majority of flu deaths occurred among people age 65+ years.

More positive flu tests were Type B compared to previous years.