

# Weekly Influenza Surveillance Report

St. Charles County Department of Public Health

October 28, 2022



## Public Health Surveillance

SCCDPH monitors the flu through both active and passive surveillance. The flu is a reportable condition that is reported regularly to SCCDPH by healthcare facilities across the county. Additionally, if an outbreak occurs, it is actively investigated by SCCDPH communicable disease personnel.

**Note:** Often there is a delay in reporting; therefore, current and previous week cases are subject to change in future reports as new data are collected and included. All data in this report are up to date as of the date of publication.

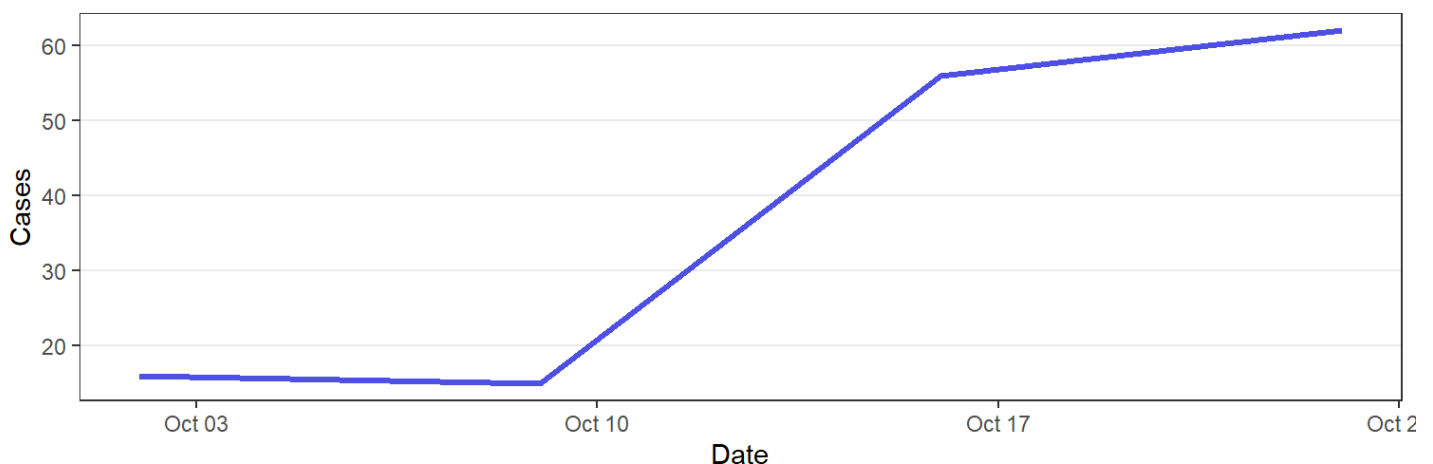
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## Data Visuals

Thus far in the 2022-2023 flu season, there have been **149** total cases of flu reported.

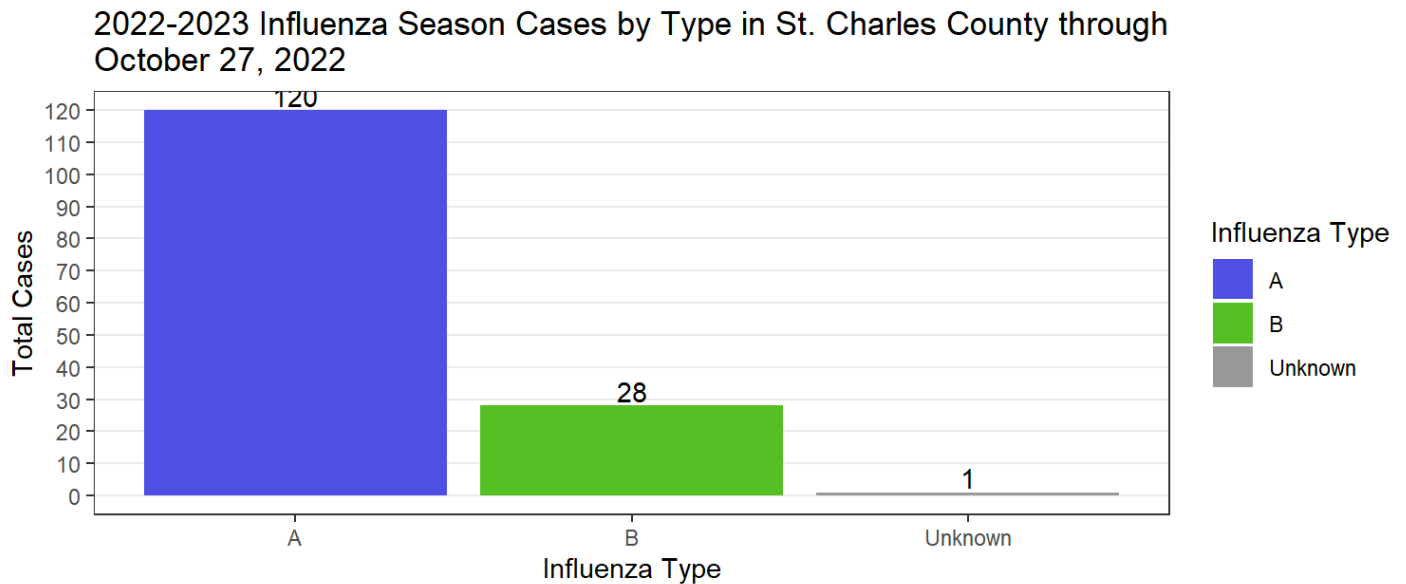
### Cases Over Time

2022-2023 Influenza Cases Over Time in St. Charles County through October 27, 2022



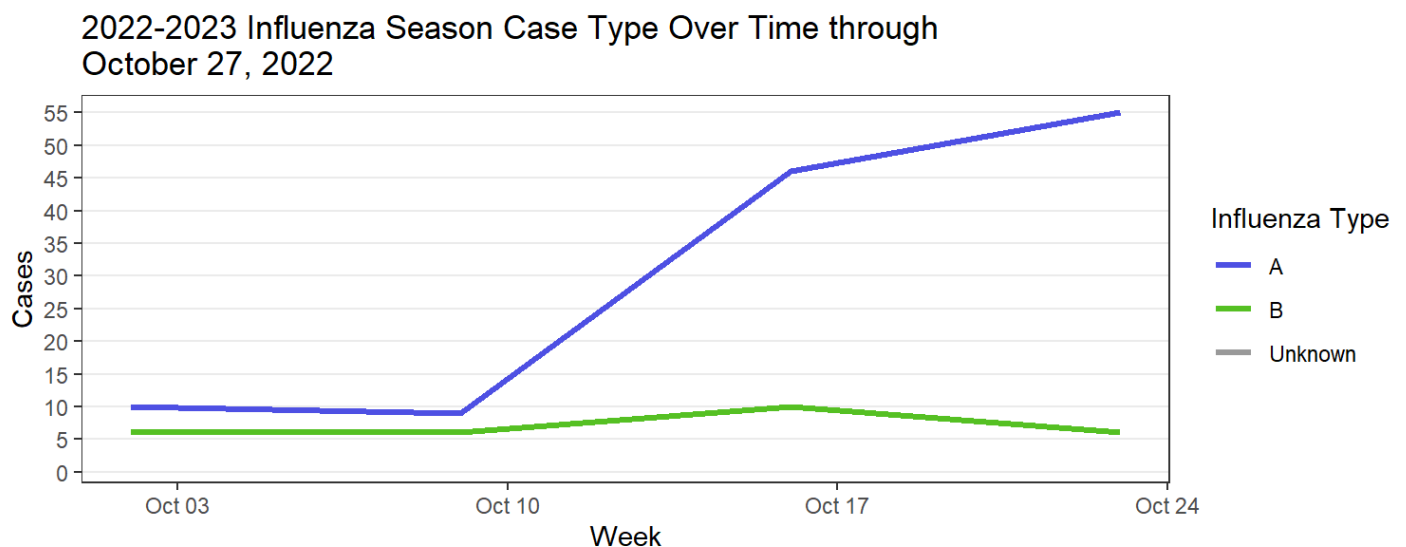
This graph displays the overall number of flu cases each week during the current 2022-2023 flu season. In the most recent week, there were 62 cases of flu in St. Charles County.

## Cases by Flu Type



Influenza viruses are not all the same. There are two main flu types that infect humans: Type A and Type B. Both cause illness, but only Type A is thought to be capable of causing a flu pandemic (a global outbreak). A pandemic can occur when a new and different influenza Type A virus emerges that both infects people and has the ability to spread efficiently among people. To date, there have been 120 Type A cases and 28 Type B cases in St. Charles County.

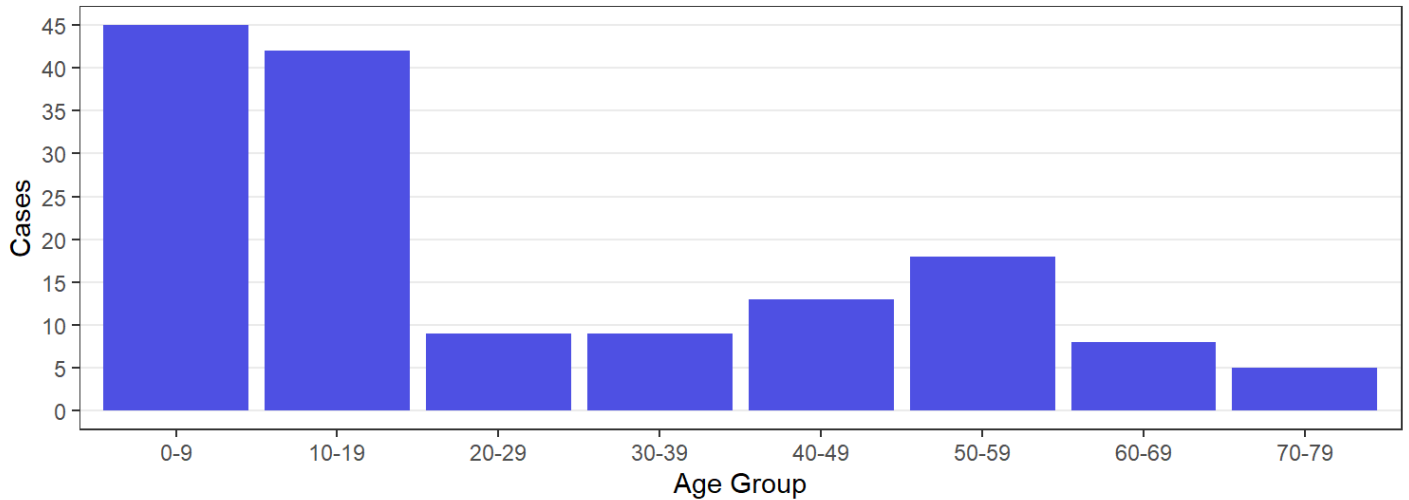
## Flu Type Trends



This graph displays the number of flu cases by type over time in St. Charles County.

## Cases by Age

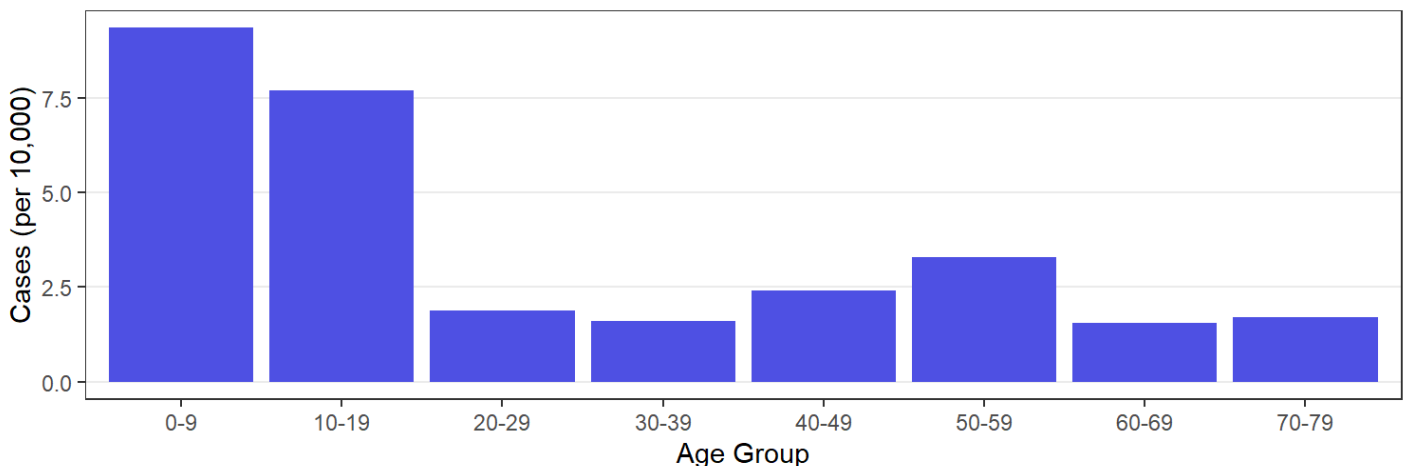
2022-2023 Influenza Season Case Age Distribution through October 27, 2022



This graph shows how many flu cases have occurred in each age group. Children younger than 5 years and adults 65 years and older are the most at risk for severe disease, so we monitor those groups closely. There have been 45 cases among children under 10 years of age and 13 cases among individuals 60 and over.

## Age-Specific Rates

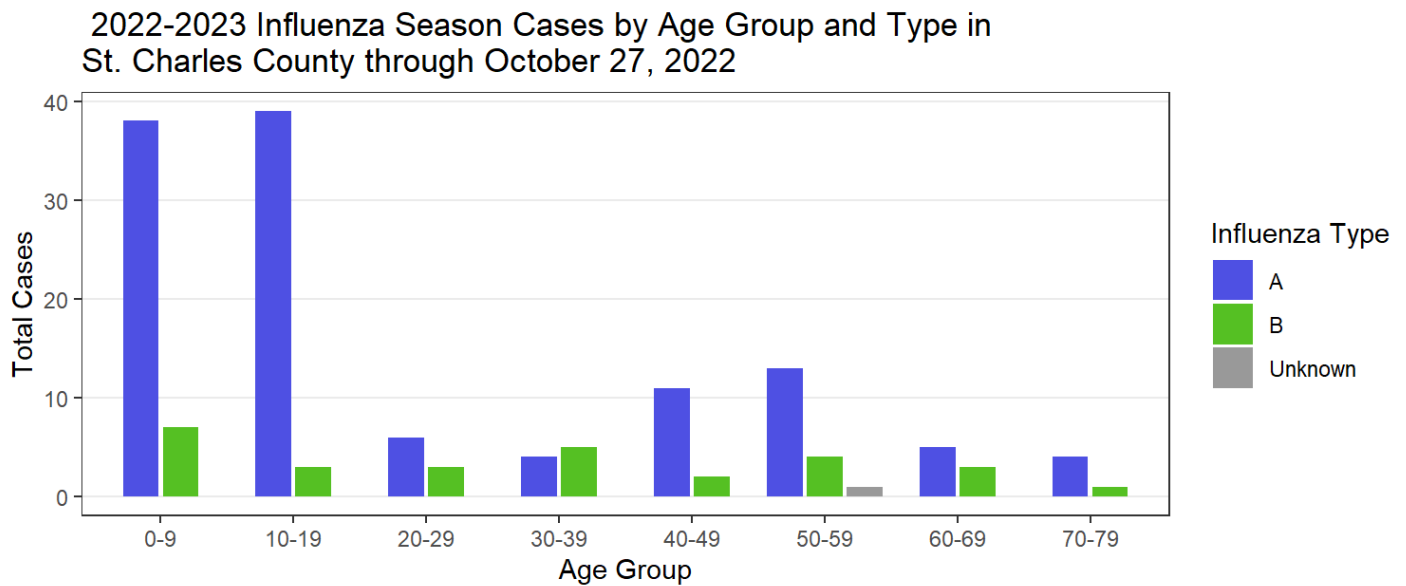
2022-2023 Influenza Season Age-Specific Case Rates through October 27, 2022



This graph displays the age-specific rates of flu cases. This shows the number of cases per 10,000

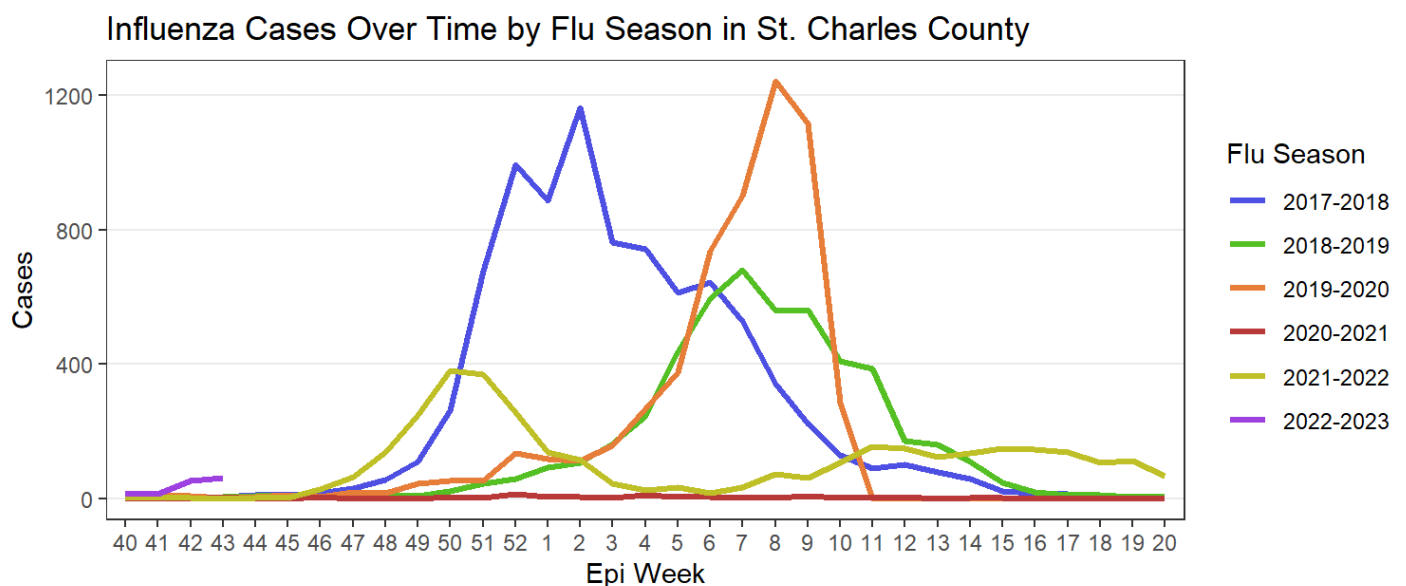
individuals in each age group. For example, the rate for the 0-9 age group is the number of flu cases per 10,000 0-9 year-olds in St. Charles County. The highest age-specific rates in St. Charles County are in the 0-9, 10-19, and 50-59 age groups.

## Cases by Flu Type and Age



This graph displays the number of overall cases in each age group by flu type.

## Compare to Previous Flu Seasons



This graph displays how the current flu season compares to past flu seasons. The Epi Weeks are the weeks of the year numbered, starting with the first full week of January being week 1. In the graph above, they start at Week 40, which is the start of flu season at the beginning of October and end in Week 20, which is the end of flu season in mid-May the following year.

## Other Data Sources

If you are interested in other jurisdictions here is a list of a few data sources:

- CDC Flu Hospitalization Predictor (<https://www.cdc.gov/flu/weekly/flusight/flu-forecasts.htm>)
- CDC's Fluview Weekly Surveillance Reports (<https://www.cdc.gov/flu/weekly/index.htm>)
- CDC Fluview Interactive (<https://www.cdc.gov/flu/weekly/fluviewinteractive.htm>)
- St. Louis County Weekly Influenza Reports (<https://stlouiscountymo.gov/st-louis-county-departments/public-health/health-data-and-statistics/communicable-disease-reports/influenza-reports/>)
- St. Louis City Weekly Influenza Report (<https://www.stlouis-mo.gov/government/departments/health/documents/influenza-reports.cfm>)
- Missouri Department of Health and Senior Services Influenza Report (<https://health.mo.gov/living/healthcondiseases/communicable/influenza/reports.php>).