

Respiratory Syncytial Virus (RSV)

November 2, 2022



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What is RSV?

- RSV (Respiratory Syncytial Virus) is a common respiratory virus that is usually most active during the fall, winter, and early spring.
- Spreads by inhaling or having contact with droplets containing the virus.
- Symptoms can include a runny or stuffy nose, sneezing, or coughing, and can also include fever, decreased appetite, and difficulty breathing or wheezing.
- Most people who get RSV will only have cold symptoms, it may be more severe in infants and young children under the age of two, as well as older adults.
- Currently there is no licensed vaccine to prevent RSV and no antiviral for treatment of RSV.



RSV reporting requirements in Colorado

- RSV-associated hospitalizations in the five-county metro area (Adams, Arapahoe, Denver, Douglas, and Jefferson Counties) must be reported to CDPHE within four days of diagnosis.
- RSV outbreaks in schools, childcare facilities, and residential care facilities are immediately reportable statewide.
- For reference: [Colorado Communicable Reportable Conditions](#)



RSV activity is increasing quickly.

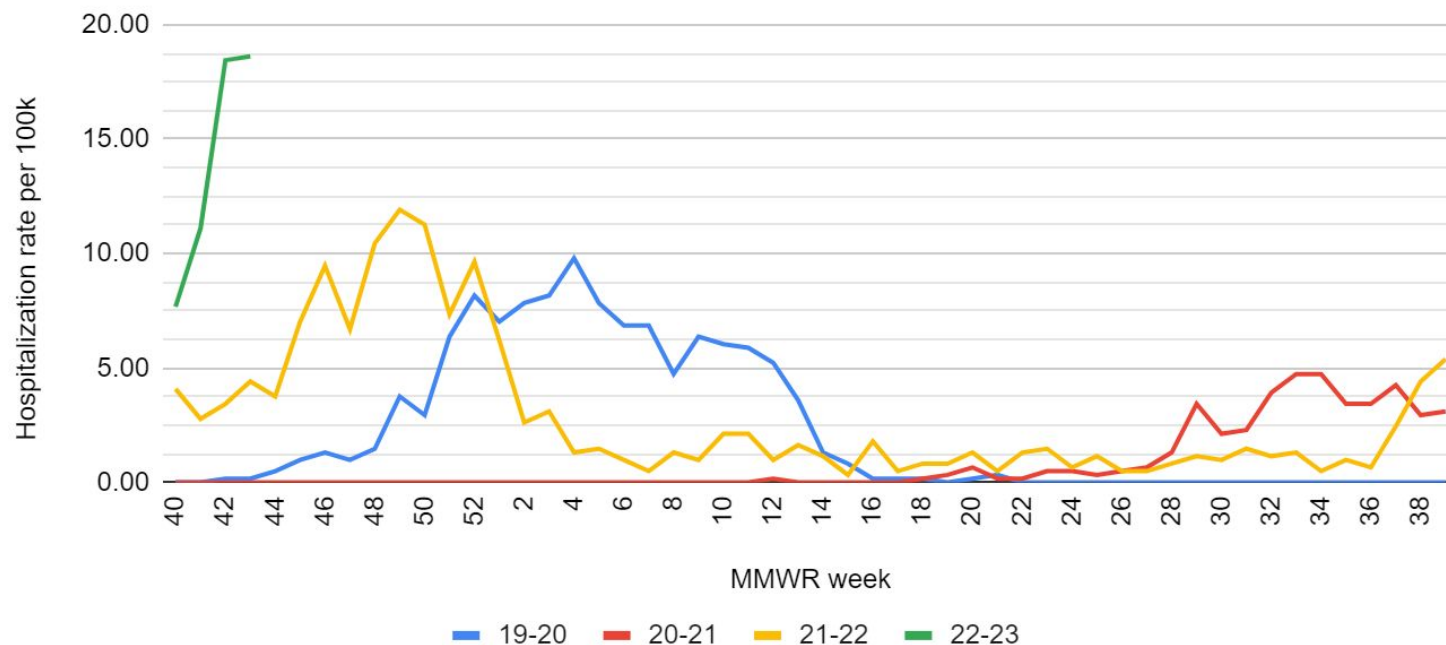
- RSV activity is rapidly increasing in recent weeks across Colorado and the United States, earlier than usual in the respiratory illness season.
- RSV hospitalizations are increasing in Colorado, particularly among children under the age of two.
- Through October 29, 2022:
 - 367 RSV hospitalizations reported within the five-county Denver metro-area (Adams, Arapahoe, Denver, Douglas, Jefferson).
 - 95% of RSV hospitalizations are among pediatric patients.
 - 57 confirmed RSV outbreaks reported in school and childcare facilities statewide.
- The pace of RSV hospitalizations and outbreaks being reported is high.



Pediatric hospitalization rates are higher than previous years.

Pediatric RSV Hospitalization Rates by MMWR Week

Colorado EIP data from Adams, Arapahoe, Denver, Douglas, and Jefferson counties



In 2021-22, RSV activity increased in the summer and peaked in late December.

Current increase in hospitalization rate is earlier and faster than past seasons.



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Rates among Pediatric Population by Age

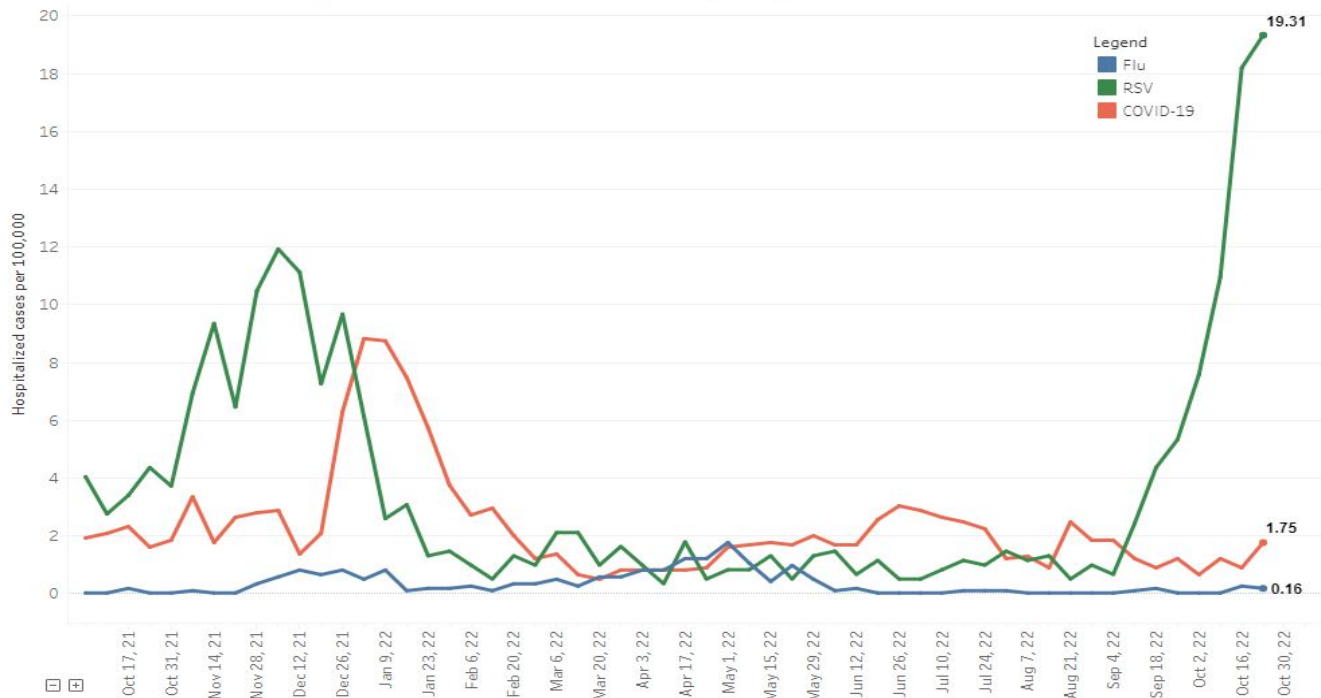
Data from the 5-count metro area (Adams, Arapahoe, Denver, Douglas and Jefferson counties) through Saturday, October 29, 2022

Age Group	Number of Hospitalized Cases	Rate of Hospitalizations
0 to <6 months	70	429.1
6 months to <2 years	119	246.7
2 to <5 years	123	125.0
5 to <12 years	30	12.9
12 to <18 years	2	0.93



The current RSV pediatric hospitalization rate is increasing.

Rates of Pediatric Hospitalizations Due to Influenza, RSV, & COVID-19: October 2021 - Present



Source:
[Colorado Flu/RSV Report](#)

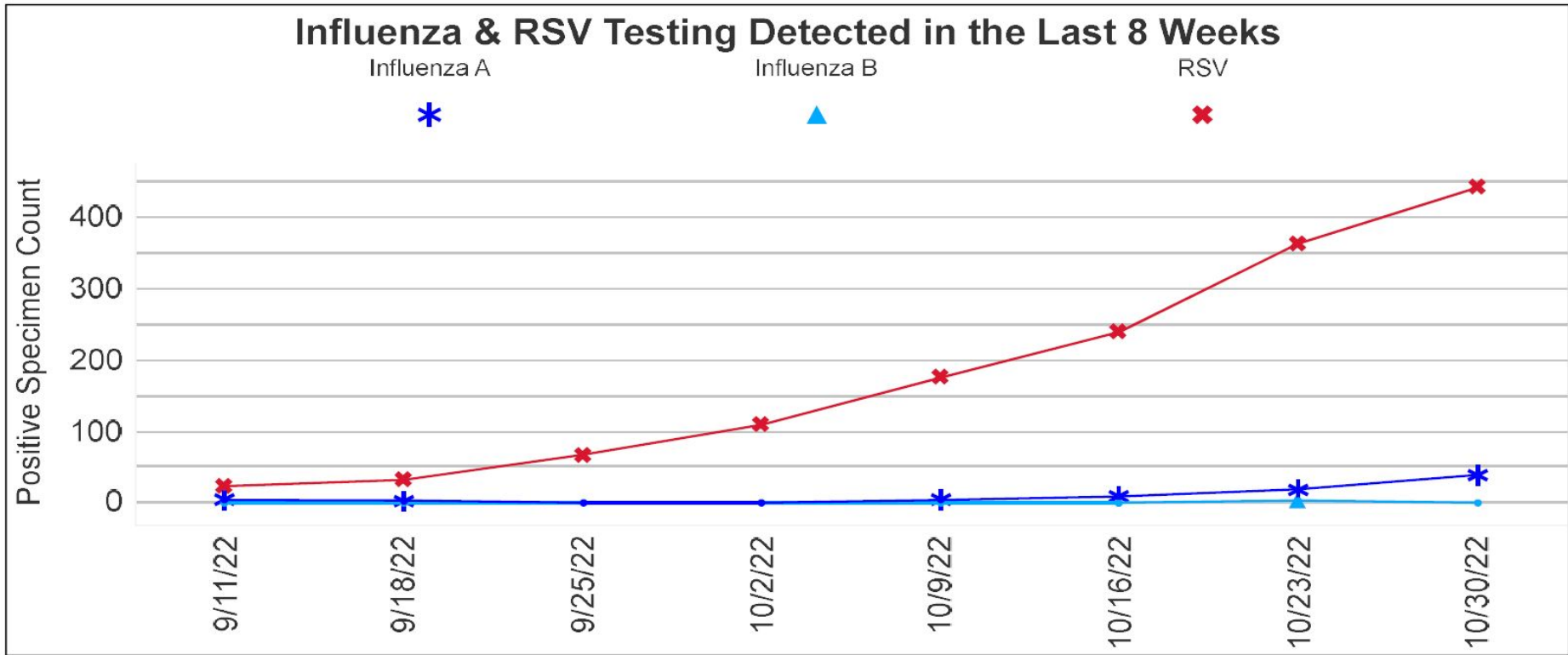
For national RSV hospitalization data see the [RSV-NET dashboard](#)

Source: Colorado Patient Hospital Surveillance data (COVID-19) and Colorado Electronic Disease Reporting System (Influenza & RSV). COVID-19 and influenza cases are reported statewide, while RSV is reported from Adams, Arapahoe, Denver, Douglas, and Jefferson counties. Data is lagged by one week. Graph depicts data through October 26, 2022. Updated November 2, 2022.
Note: COVID-19 cases are displayed by date of admission and influenza and RSV rates are displayed by date of specimen collection.



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Children's Hospital Colorado: Bug Watch



Source: <https://www.childrenscolorado.org/4aa6e2/globalassets/healthcare-professionals/bug-watch.pdf>



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Resources



Resources

Report an outbreak and work with public health:

<https://cdphe.colorado.gov/report-a-disease>

CDPHE's Flu and RSV data and report is available at:

<https://cdphe.colorado.gov/influenza>

CDPHE Non-COVID-19 Respiratory Guidance:

[2022-23 Guidance for Prevention & Control of Non-COVID-19 Respiratory Illnesses in Schools and Child Care Settings](#)

Email for the Viral Respiratory Disease team: cdphe_flu_rsv@state.co.us



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Questions

