



## Respiratory Viruses

# Respiratory Virus Activity Levels

Provides an update on how COVID-19, influenza, and RSV may be spreading nationally and in your state.

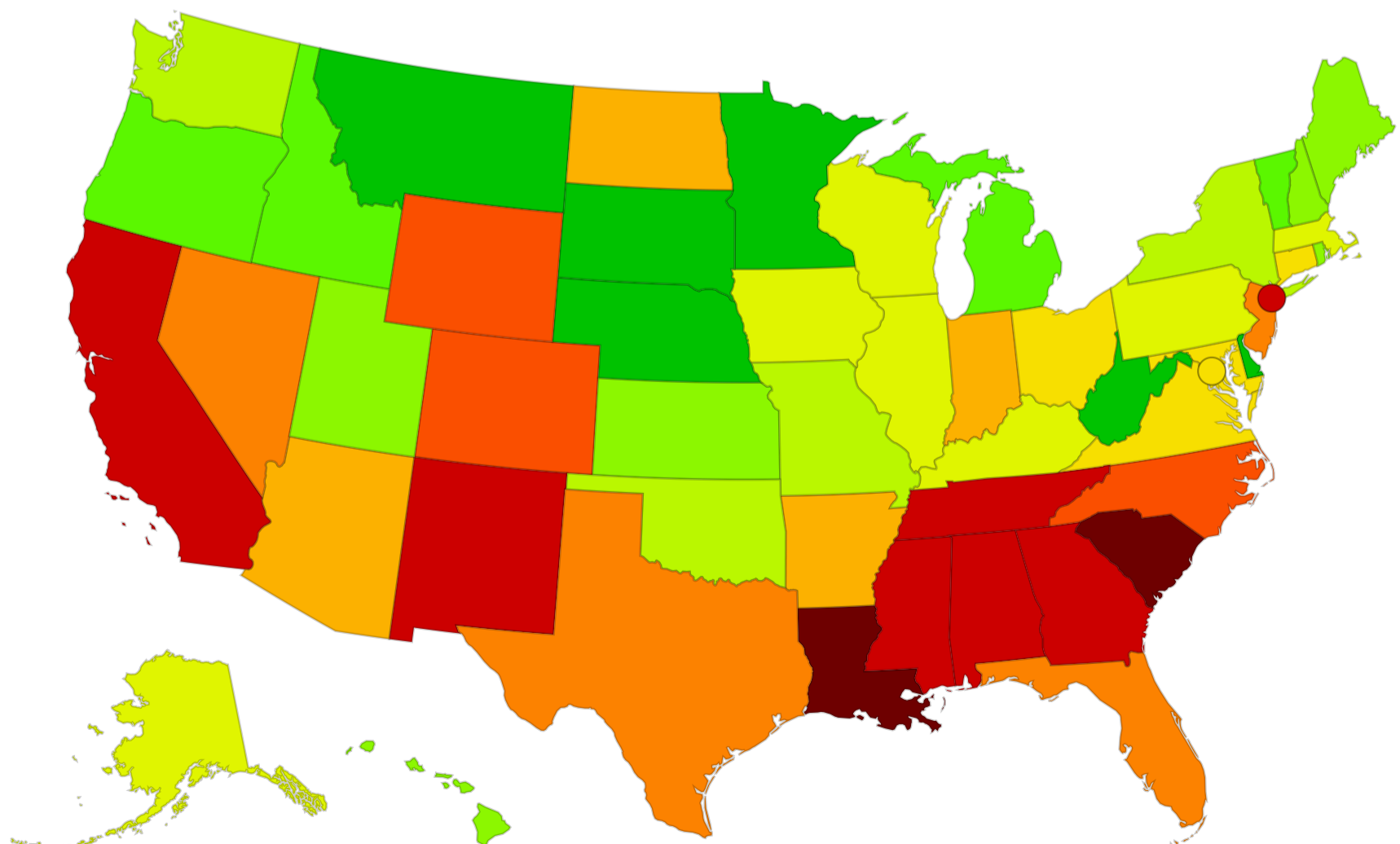
### Activity Levels Update:

- The amount of respiratory illness (fever plus cough or sore throat) causing people to seek healthcare is elevated or increasing across most areas of the country. CDC is actively following up with health departments in these communities.
- Emergency department visits due to influenza and COVID-19 are increasing, while visits due to RSV decreased slightly nationally.
- National laboratory test positivity for COVID-19 and influenza increased nationally while test positivity for RSV decreased compared to the previous week.

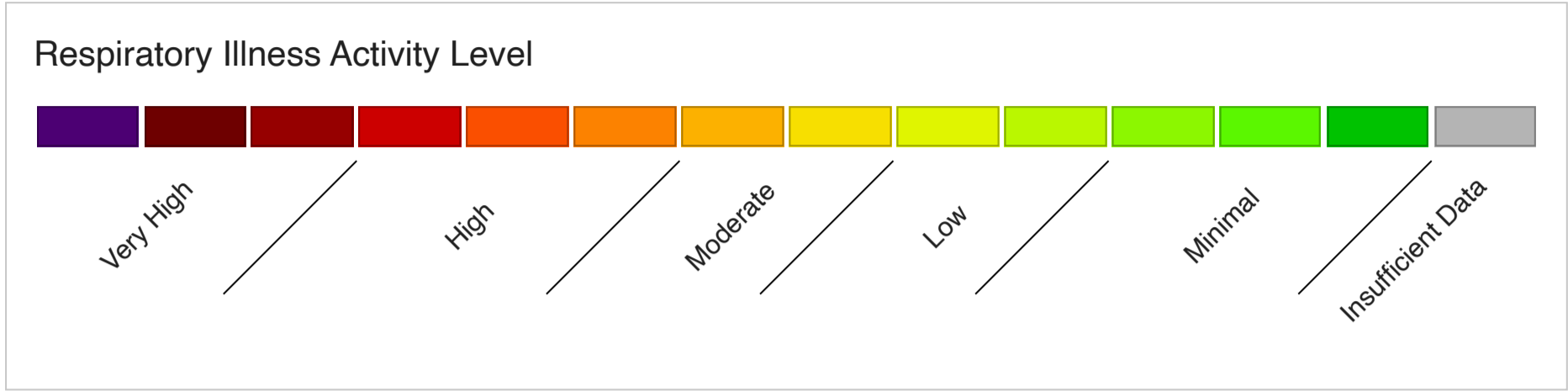
*Reported on Friday, December 8th, 2023.*

## Level of Respiratory Illness Activity

*Activity levels determined weekly based on the percentage of visits to enrolled outpatient healthcare providers or emergency departments for fever and cough or sore throat reported to [ILINet](#). Visits can be attributed to a variety of respiratory pathogens that cause these symptoms. Activity levels reflect how the percentage in the most recent week compares to what that jurisdiction typically experiences during low circulation periods. Trend information for the percentages used to calculate activity levels can be found at: [National, Regional, and State Level Outpatient Illness and Viral Surveillance \(cdc.gov\)](#).*



Territories PR VI



Data presented through: 12/02/2023; Data as of: 12/07/2023

[Dataset on data.cdc.gov](#) | [Link to Dataset](#)

Data Table		
Location	Respiratory Illness Level	Respiratory Illness Level
Alabama	Level 10	High
Alaska	Level 5	Low
Arizona	Level 7	Moderate
Arkansas	Level 7	Moderate
California	Level 10	High
Colorado	Level 9	High
Connecticut	Level 6	Moderate
Delaware	Level 1	Minimal
District Of Columbia	Level 6	Moderate
Florida	Level 8	High
Georgia	Level 10	High
Hawaii	Level 3	Minimal
Idaho	Level 2	Minimal
Illinois	Level 5	Low
Indiana	Level 7	Moderate
Iowa	Level 5	Low
Kansas	Level 3	Minimal
Kentucky	Level 5	Low
Louisiana	Level 12	Very High
Maine	Level 3	Minimal
Maryland	Level 6	Moderate
Massachusetts	Level 5	Low
Michigan	Level 2	Minimal
Minnesota	Level 1	Minimal
Mississippi	Level 10	High
Missouri	Level 4	Low
Montana	Level 1	Minimal
Nebraska	Level 1	Minimal
Nevada	Level 8	High

Location ▲	Respiratory Illness Level	Respiratory Illness Level
● New Hampshire	Level 3	Minimal
● New Jersey	Level 8	High
● New Mexico	Level 10	High
● New York	Level 4	Low
● New York City	Level 10	High
● North Carolina	Level 9	High
● North Dakota	Level 7	Moderate
● Ohio	Level 6	Moderate
● Oklahoma	Level 4	Low
● Oregon	Level 2	Minimal
● Pennsylvania	Level 5	Low
● Puerto Rico	Level 4	Low
● Rhode Island	Level 3	Minimal
● South Carolina	Level 12	Very High
● South Dakota	Level 1	Minimal
● Tennessee	Level 10	High
● Texas	Level 8	High
● Utah	Level 3	Minimal
● Vermont	Level 2	Minimal
● Virgin Islands	Level 1	Minimal
● Virginia	Level 6	Moderate
● Washington	Level 4	Low
● West Virginia	Level 1	Minimal
● Wisconsin	Level 5	Low
● Wyoming	Level 9	High

## Data Notes: Level of Respiratory Illness Activity ^

- **Source:** U.S. Outpatient Influenza-Like Illness Surveillance Network (ILINet).
- Additional information available at: [Outpatient Illness Surveillance methods section](#).
- This system monitors visits for respiratory illness that includes fever plus a cough or sore throat, (also referred to as influenza-like illness, or ILI), not laboratory confirmed infections; therefore, patient visits due to a variety of respiratory pathogens that cause similar symptoms may be captured.
- The activity levels compare the mean reported percent of visits due to ILI during the current week to the mean reported percent of visits due to ILI during non-influenza weeks. The 13 activity levels correspond to the number of standard deviations below, at, or above the mean for the current week compared with the mean during non-influenza weeks.
- This map uses the proportion of visits to enrolled outpatient healthcare providers or emergency departments for respiratory illness to measure the activity level within a state. It does not, however, measure the extent of geographic spread of respiratory illness within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.
- Data collected in ILINet may disproportionately represent certain populations within a state depending on enrolled providers, and therefore may not accurately depict the full picture of respiratory virus activity for the whole state.
- The data presented in this map is preliminary and may change as more data is received.

- Differences in the data presented by CDC and state health departments likely represent differing levels of data completeness with data presented by the state likely being the more complete.

### Related Data Visualizations

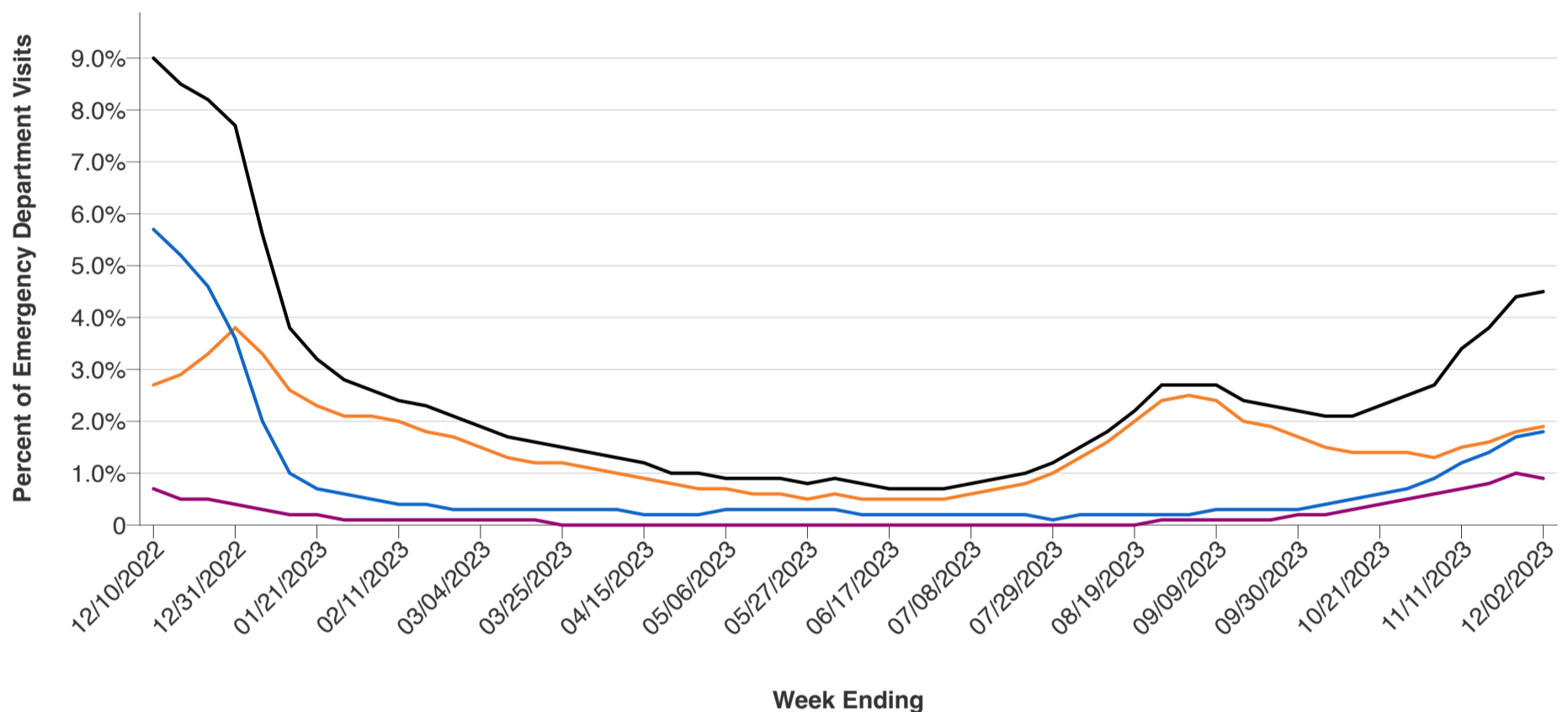
- State map of outpatient respiratory illness activity determined by data reported to ILINet over time: [ILINet State Activity Indicator Map \(cdc.gov\)](#) [Note: reflects the same data displayed in the figure on this site]
- FluVIEW interactive site: [National, Regional, and State Level Outpatient Illness and Viral Surveillance \(cdc.gov\)](#)
- Weekly influenza report: [Weekly U.S. Influenza Surveillance Report | CDC](#)

## Emergency Department Visits for Viral Respiratory Illness

Weekly percent of total emergency department visits associated with COVID-19, influenza, and RSV.

State/Territory

United States ▼



● Combined ● COVID-19 ● Influenza ● RSV

Data presented through: 12/02/2023; Data as of: 12/06/2023

[Dataset on data.cdc.gov](#) | [Link to Dataset](#)

Week Ending	Combined	COVID-19	Influenza	RSV
12/10/2022	9.0%	2.7%	5.7%	0.7%
12/17/2022	8.5%	2.9%	5.2%	0.5%
12/24/2022	8.2%	3.3%	4.6%	0.5%
12/31/2022	7.7%	3.8%	3.6%	0.4%
01/07/2023	5.6%	3.3%	2.0%	0.3%
01/14/2023	3.8%	2.6%	1.0%	0.2%
01/21/2023	3.2%	2.3%	0.7%	0.2%
01/28/2023	2.8%	2.1%	0.6%	0.1%
02/04/2023	2.6%	2.1%	0.5%	0.1%
02/11/2023	2.4%	2.0%	0.4%	0.1%

Week Ending	Combined	COVID-19	Influenza	RSV
02/18/2023	2.3%	1.8%	0.4%	0.1%
02/25/2023	2.1%	1.7%	0.3%	0.1%
03/04/2023	1.9%	1.5%	0.3%	0.1%
03/11/2023	1.7%	1.3%	0.3%	0.1%
03/18/2023	1.6%	1.2%	0.3%	0.1%
03/25/2023	1.5%	1.2%	0.3%	0.0%
04/01/2023	1.4%	1.1%	0.3%	0.0%
04/08/2023	1.3%	1.0%	0.3%	0.0%
04/15/2023	1.2%	0.9%	0.2%	0.0%
04/22/2023	1.0%	0.8%	0.2%	0.0%
04/29/2023	1.0%	0.7%	0.2%	0.0%
05/06/2023	0.9%	0.7%	0.3%	0.0%
05/13/2023	0.9%	0.6%	0.3%	0.0%
05/20/2023	0.9%	0.6%	0.3%	0.0%
05/27/2023	0.8%	0.5%	0.3%	0.0%
06/03/2023	0.9%	0.6%	0.3%	0.0%
06/10/2023	0.8%	0.5%	0.2%	0.0%
06/17/2023	0.7%	0.5%	0.2%	0.0%
06/24/2023	0.7%	0.5%	0.2%	0.0%
07/01/2023	0.7%	0.5%	0.2%	0.0%
07/08/2023	0.8%	0.6%	0.2%	0.0%
07/15/2023	0.9%	0.7%	0.2%	0.0%
07/22/2023	1.0%	0.8%	0.2%	0.0%
07/29/2023	1.2%	1.0%	0.1%	0.0%
08/05/2023	1.5%	1.3%	0.2%	0.0%
08/12/2023	1.8%	1.6%	0.2%	0.0%
08/19/2023	2.2%	2.0%	0.2%	0.0%
08/26/2023	2.7%	2.4%	0.2%	0.1%
09/02/2023	2.7%	2.5%	0.2%	0.1%
09/09/2023	2.7%	2.4%	0.3%	0.1%
09/16/2023	2.4%	2.0%	0.3%	0.1%
09/23/2023	2.3%	1.9%	0.3%	0.1%
09/30/2023	2.2%	1.7%	0.3%	0.2%
10/07/2023	2.1%	1.5%	0.4%	0.2%
10/14/2023	2.1%	1.4%	0.5%	0.3%
10/21/2023	2.3%	1.4%	0.6%	0.4%
10/28/2023	2.5%	1.4%	0.7%	0.5%
11/04/2023	2.7%	1.3%	0.9%	0.6%
11/11/2023	3.4%	1.5%	1.2%	0.7%
11/18/2023	3.8%	1.6%	1.4%	0.8%
11/25/2023	4.4%	1.8%	1.7%	1.0%
12/02/2023	4.5%	1.9%	1.8%	0.9%

## Data Notes: Emergency Department Visits for Viral Respiratory Illness



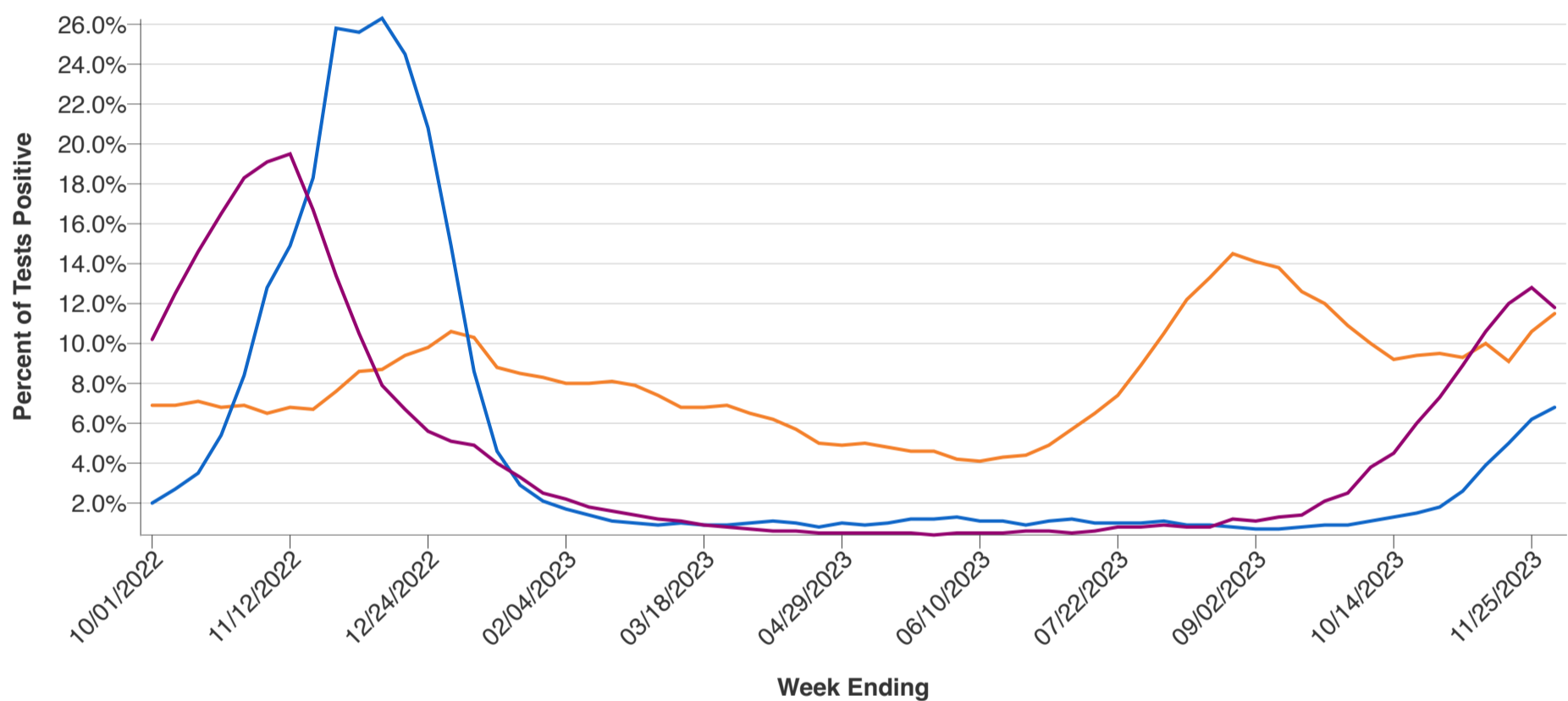
- **Source:** National Syndromic Surveillance Program: <https://www.cdc.gov/nssp/index.html>
- There are no data available for the following states/territories: Guam, Missouri, New Hampshire, South Dakota, and Washington.
- Combined is the sum of COVID-19, influenza, and respiratory syncytial virus (RSV) emergency department visits.
- Additional information available at: [Companion Guide: Nssp Emergency Department Data on Respiratory Illness](#)

### Related Data Visualizations

- State map of emergency department use for COVID-19: [CDC COVID Data Tracker: Maps by Geographic Area](#)

## Percent of Tests Positive for Respiratory Viruses

Weekly percent of tests positive for the viruses that cause COVID-19, influenza, and RSV at the national level.



● COVID-19   
 ● Influenza   
 ● RSV

Data for recent weeks may be incomplete due to delays in reporting. These preliminary may change as more data become available.

Data presented through: 12/02/2023; Data as of: 12/07/2023


[Dataset on data.cdc.gov](#) | [Link to Dataset](#)

Data Table			
Week Ending	COVID-19	Influenza	RSV
10/01/2022	6.9%	2.0%	10.2%
10/08/2022	6.9%	2.7%	12.5%
10/15/2022	7.1%	3.5%	14.6%
10/22/2022	6.8%	5.4%	16.5%
10/29/2022	6.9%	8.4%	18.3%
11/05/2022	6.5%	12.8%	19.1%
11/12/2022	6.8%	14.9%	19.5%

Week Ending	COVID-19	Influenza	RSV
11/19/2022	6.7%	18.3%	16.7%
11/26/2022	7.6%	25.8%	13.4%
12/03/2022	8.6%	25.6%	10.5%
12/10/2022	8.7%	26.3%	7.9%
12/17/2022	9.4%	24.5%	6.7%
12/24/2022	9.8%	20.8%	5.6%
12/31/2022	10.6%	14.9%	5.1%
01/07/2023	10.3%	8.6%	4.9%
01/14/2023	8.8%	4.6%	4.0%
01/21/2023	8.5%	2.9%	3.3%
01/28/2023	8.3%	2.1%	2.5%
02/04/2023	8.0%	1.7%	2.2%
02/11/2023	8.0%	1.4%	1.8%
02/18/2023	8.1%	1.1%	1.6%
02/25/2023	7.9%	1.0%	1.4%
03/04/2023	7.4%	0.9%	1.2%
03/11/2023	6.8%	1.0%	1.1%
03/18/2023	6.8%	0.9%	0.9%
03/25/2023	6.9%	0.9%	0.8%
04/01/2023	6.5%	1.0%	0.7%
04/08/2023	6.2%	1.1%	0.6%
04/15/2023	5.7%	1.0%	0.6%
04/22/2023	5.0%	0.8%	0.5%
04/29/2023	4.9%	1.0%	0.5%
05/06/2023	5.0%	0.9%	0.5%
05/13/2023	4.8%	1.0%	0.5%
05/20/2023	4.6%	1.2%	0.5%
05/27/2023	4.6%	1.2%	0.4%
06/03/2023	4.2%	1.3%	0.5%
06/10/2023	4.1%	1.1%	0.5%
06/17/2023	4.3%	1.1%	0.5%
06/24/2023	4.4%	0.9%	0.6%
07/01/2023	4.9%	1.1%	0.6%
07/08/2023	5.7%	1.2%	0.5%
07/15/2023	6.5%	1.0%	0.6%
07/22/2023	7.4%	1.0%	0.8%
07/29/2023	8.9%	1.0%	0.8%
08/05/2023	10.5%	1.1%	0.9%
08/12/2023	12.2%	0.9%	0.8%
08/19/2023	13.3%	0.9%	0.8%
08/26/2023	14.5%	0.8%	1.2%
09/02/2023	14.1%	0.7%	1.1%
09/09/2023	13.8%	0.7%	1.3%
09/16/2023	12.6%	0.8%	1.4%

Week Ending	COVID-19	Influenza	RSV
09/23/2023	12.0%	0.9%	2.1%
09/30/2023	10.9%	0.9%	2.5%
10/07/2023	10.0%	1.1%	3.8%
10/14/2023	9.2%	1.3%	4.5%
10/21/2023	9.4%	1.5%	6.0%
10/28/2023	9.5%	1.8%	7.3%
11/04/2023	9.3%	2.6%	8.9%
11/11/2023	10.0%	3.9%	10.6%
11/18/2023	9.1%	5.0%	12.0%
11/25/2023	10.6%	6.2%	12.8%
12/02/2023	11.5%	6.8%	11.8%

## Data Notes: Percent of Tests Positive for Viral Respiratory Pathogens

- **Sources:** COVID-19 and RSV: National Respiratory and Enteric Virus Surveillance System (NREVSS), a sentinel network of laboratories located through the US, includes clinical, public health and commercial laboratories; additional information available at: <https://www.cdc.gov/surveillance/nrevss/index.html>. Influenza: Clinical laboratory test results from NREVSS and U.S. World Health Organization collaborating laboratories; more details about influenza virologic surveillance are available here: <https://www.cdc.gov/flu/weekly/overview.htm>.
- COVID-19: The condition caused by infection with severe acute respiratory syndromic coronavirus type-2 (SARS-CoV-2).
- All data are provisional and subject to change.
- The data are from across the country in all regions.
- The percent of tests positive is calculated by dividing the number of positive tests by the total number of tests administered, then multiplying by 100 [(# of positive tests/total tests) x 100].
- Data represent laboratory tests performed, not individual people.
- RSV and COVID-19 are limited to nucleic acid amplification tests (NAATs), also listed as polymerase chain reaction tests (PCR).
- Participating laboratories report weekly to CDC the total number of RSV tests performed that week and the number of those tests that were positive. The RSV trend graphs display the national average of the weekly % test positivity for the current, previous, and following weeks in accordance with the recommendations for assessing RSV trends by percent ( <https://academic.oup.com/jid/article/216/3/345/3860464>  ).

### Related Data Visualizations

- Weekly influenza activity reports available here: <https://www.cdc.gov/flu/weekly/index.htm>
- Influenza-like illness and influenza testing data available for review on FluView interactive site here: <https://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>
- NREVSS RSV testing trends below national level are available here are available here: <https://www.cdc.gov/surveillance/nrevss/rsv/index.html>
- COVID-19 laboratory data are available for download here: <https://data.cdc.gov/Laboratory-Surveillance/Percent-Positivity-of-COVID-19-Nucleic-Acid-Amplif/gvsb-yw6g>
- RSV laboratory data are available for download here: <https://data.cdc.gov/Laboratory-Surveillance/Percent-Positivity-of-Respiratory-Syncytial-Virus-/3cxc-4k8q>
- Interactive display of COVID-19 testing trends and maps alongside hospitalizations and deaths are available for review here: [https://covid.cdc.gov/covid-data-tracker/#maps\\_positivity-week](https://covid.cdc.gov/covid-data-tracker/#maps_positivity-week)





**PREVIOUS**

Weekly Viral Respiratory Illness Snapshot

**NEXT**

Severe Viral Respiratory Illness

