



Respiratory Illnesses

[Respiratory Illnesses Home](#)

Groups Most Impacted—Hospitalizations

Provides an update on how COVID-19, influenza, and RSV hospitalizations are affecting different groups.

Groups Most Impacted Update:

- The percent of all emergency department visits with a COVID-19 diagnosis is highest among children under 2 years and adults 65+; visits due to diagnosed RSV are highest among children under 4 years; influenza visits are highest among school-aged children 5-17 years followed by children under 4 years. Recent, holiday-related school closures may be impacting trends in influenza- and COVID-19-related visits among school-aged children.
- Hospitalization rates for COVID-19 remain elevated among adults 65+ and infants and young children. Rates for influenza continue to increase in all age groups, and adults 65+ have the highest rate compared to other age groups. Rates for RSV remain elevated among children under 4 years and among adults 65+. Unadjusted influenza hospitalization rates are higher in non-Hispanic Black persons compared to other racial and ethnic groups.
- Nationally, the percent of total deaths due to COVID-19, influenza, or RSV are highest among those 65+ (4.2%), and among American Indian/Alaska Natives (6.8%) and Asians/Pacific Islanders (4.5%).

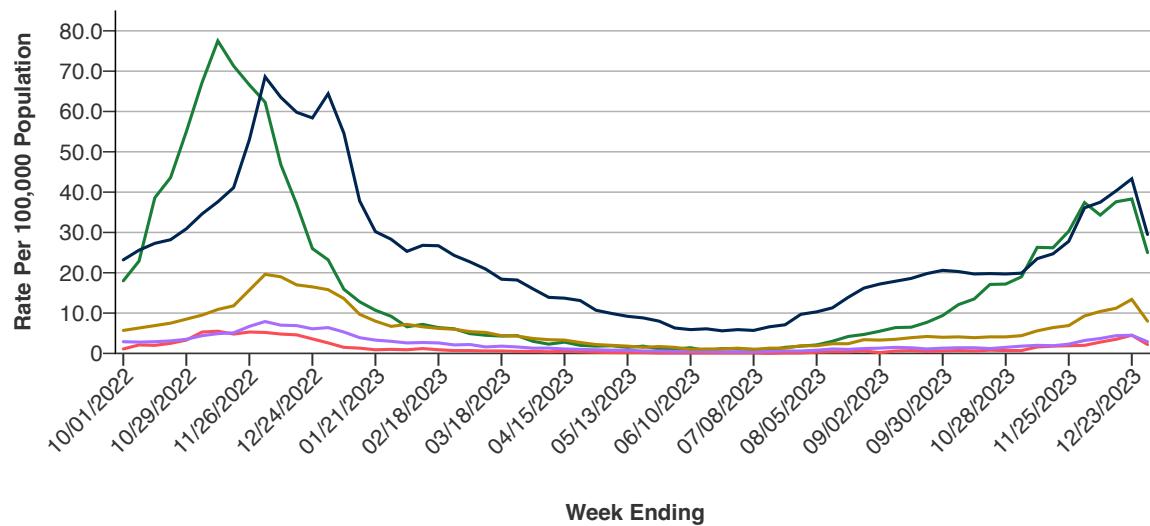
Reported on Friday, January 5th, 2024.

Hospitalization Rates for Viral Respiratory Illness, by Age

Weekly hospitalization rates for COVID-19, influenza, and RSV per 100,000 population.

Respiratory Illness

Combined



Age Group

● 0-4 years ● 5-17 years ● 18-49 years ● 50-64 years ● 65+ years

Data presented through: 12/30/2023; Data as of: 01/04/2024

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

| Data Table | | | | | |
|-------------|-----------|------------|-------------|-------------|-----------|
| Week Ending | 0-4 years | 5-17 years | 18-49 years | 50-64 years | 65+ years |
| 10/01/2022 | 18.0 | 1.1 | 2.9 | 5.7 | 23.2 |
| 10/08/2022 | 22.9 | 2.1 | 2.8 | 6.3 | 25.6 |
| 10/15/2022 | 38.6 | 2.0 | 2.9 | 6.9 | 27.3 |
| 10/22/2022 | 43.6 | 2.5 | 3.1 | 7.5 | 28.2 |
| 10/29/2022 | 55.0 | 3.3 | 3.5 | 8.5 | 30.9 |
| 11/05/2022 | 67.2 | 5.3 | 4.4 | 9.5 | 34.6 |
| 11/12/2022 | 77.5 | 5.5 | 4.9 | 10.9 | 37.6 |
| 11/19/2022 | 71.3 | 4.8 | 5.1 | 11.8 | 41.1 |
| 11/26/2022 | 66.6 | 5.3 | 6.7 | 15.7 | 53.0 |
| 12/03/2022 | 62.3 | 5.2 | 7.9 | 19.6 | 68.6 |
| 12/10/2022 | 46.8 | 4.8 | 7.0 | 19.0 | 63.5 |
| 12/17/2022 | 37.0 | 4.6 | 6.9 | 17.0 | 59.8 |
| 12/24/2022 | 26.0 | 3.6 | 6.1 | 16.5 | 58.4 |
| 12/31/2022 | 23.2 | 2.6 | 6.4 | 15.8 | 64.4 |
| 01/07/2023 | 15.9 | 1.5 | 5.3 | 13.6 | 54.6 |
| 01/14/2023 | 12.8 | 1.3 | 3.9 | 9.7 | 37.8 |
| 01/21/2023 | 10.7 | 0.9 | 3.3 | 8.0 | 30.2 |

| | | | | | |
|------------|-----|-----|-----|-----|------|
| 01/28/2023 | 9.2 | 1.0 | 3.0 | 6.7 | 28.3 |
| 02/04/2023 | 6.6 | 0.9 | 2.6 | 7.2 | 25.3 |
| 02/11/2023 | 7.2 | 1.2 | 2.7 | 6.6 | 26.8 |
| 02/18/2023 | 6.4 | 0.9 | 2.6 | 6.2 | 26.7 |
| 02/25/2023 | 6.1 | 0.7 | 2.1 | 6.0 | 24.3 |
| 03/04/2023 | 4.9 | 0.7 | 2.2 | 5.4 | 22.7 |
| 03/11/2023 | 4.5 | 0.6 | 1.6 | 5.2 | 20.9 |
| 03/18/2023 | 4.3 | 0.6 | 1.8 | 4.4 | 18.4 |
| 03/25/2023 | 4.4 | 0.5 | 1.6 | 4.3 | 18.2 |
| 04/01/2023 | 3.0 | 0.5 | 1.3 | 3.7 | 16.0 |
| 04/08/2023 | 2.3 | 0.4 | 1.3 | 3.4 | 13.9 |
| 04/15/2023 | 2.8 | 0.5 | 1.1 | 3.3 | 13.7 |
| 04/22/2023 | 2.0 | 0.4 | 1.0 | 2.7 | 13.1 |
| 04/29/2023 | 1.8 | 0.3 | 0.9 | 2.2 | 10.7 |
| 05/06/2023 | 1.9 | 0.2 | 0.8 | 2.0 | 9.9 |
| 05/13/2023 | 1.5 | 0.2 | 0.8 | 1.8 | 9.2 |
| 05/20/2023 | 1.8 | 0.2 | 0.6 | 1.5 | 8.8 |
| 05/27/2023 | 1.1 | 0.1 | 0.6 | 1.7 | 8.0 |
| 06/03/2023 | 1.1 | 0.1 | 0.5 | 1.5 | 6.3 |
| 06/10/2023 | 1.4 | 0.1 | 0.5 | 1.0 | 5.9 |
| 06/17/2023 | 0.7 | 0.1 | 0.5 | 1.1 | 6.1 |
| 06/24/2023 | 1.2 | 0.1 | 0.4 | 1.1 | 5.6 |
| 07/01/2023 | 1.1 | 0.1 | 0.4 | 1.3 | 5.9 |
| 07/08/2023 | 1.0 | 0.1 | 0.4 | 1.0 | 5.7 |
| 07/15/2023 | 0.8 | 0.0 | 0.5 | 1.3 | 6.6 |
| 07/22/2023 | 1.5 | 0.1 | 0.6 | 1.3 | 7.1 |
| 07/29/2023 | 1.8 | 0.1 | 0.6 | 1.9 | 9.7 |
| 08/05/2023 | 2.1 | 0.3 | 0.8 | 1.9 | 10.3 |
| 08/12/2023 | 3.0 | 0.4 | 1.1 | 2.4 | 11.3 |
| 08/19/2023 | 4.2 | 0.4 | 1.0 | 2.4 | 13.9 |
| 08/26/2023 | 4.7 | 0.6 | 1.2 | 3.4 | 16.2 |
| 09/02/2023 | 5.5 | 0.2 | 1.3 | 3.3 | 17.2 |
| 09/09/2023 | 6.4 | 0.6 | 1.5 | 3.5 | 17.9 |
| 09/16/2023 | 6.5 | 0.7 | 1.4 | 3.9 | 18.6 |
| 09/23/2023 | 7.7 | 0.5 | 1.1 | 4.2 | 19.8 |
| 09/30/2023 | 9.4 | 0.6 | 1.3 | 4.0 | 20.6 |

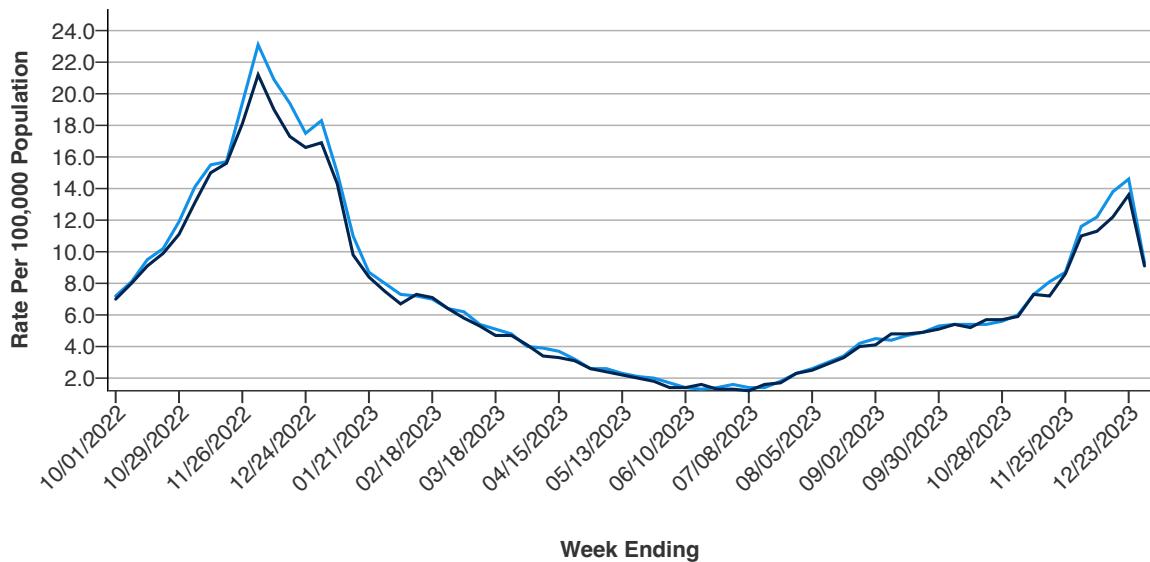
| | | | | | |
|------------|------|-----|-----|-----|------|
| 10/07/2023 | 12.1 | 0.7 | 1.4 | 4.1 | 20.3 |
| 10/14/2023 | 13.5 | 0.6 | 1.4 | 3.9 | 19.7 |
| 10/21/2023 | 17.1 | 0.8 | 1.2 | 4.1 | 19.8 |
| 10/28/2023 | 17.2 | 0.7 | 1.5 | 4.1 | 19.7 |
| 11/04/2023 | 19.0 | 0.7 | 1.8 | 4.4 | 19.9 |
| 11/11/2023 | 26.3 | 1.6 | 2.0 | 5.6 | 23.5 |
| 11/18/2023 | 26.2 | 1.8 | 1.9 | 6.4 | 24.7 |

Hospitalization Rates for Viral Respiratory Illness, by Sex

Weekly hospitalization rates for COVID-19, influenza, and RSV per 100,000 population.

Respiratory Illness

Combined ▼



Sex

● Female ● Male

Data presented through: 12/30/2023; Data as of: 01/04/2024

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

Data Table

| Week Ending | Female | Male |
|-------------|--------|------|
| 10/01/2022 | 7.2 | 7.0 |
| 10/08/2022 | 8.1 | 8.0 |
| 10/15/2022 | 9.5 | 9.1 |

| | | |
|------------|------|------|
| 10/22/2022 | 10.2 | 9.9 |
| 10/29/2022 | 11.9 | 11.1 |
| 11/05/2022 | 14.1 | 13.1 |
| 11/12/2022 | 15.5 | 15.0 |
| 11/19/2022 | 15.7 | 15.6 |
| 11/26/2022 | 19.4 | 18.1 |
| 12/03/2022 | 23.1 | 21.2 |
| 12/10/2022 | 20.9 | 19.0 |
| 12/17/2022 | 19.4 | 17.3 |
| 12/24/2022 | 17.5 | 16.6 |
| 12/31/2022 | 18.3 | 16.9 |
| 01/07/2023 | 15.0 | 14.3 |
| 01/14/2023 | 11.0 | 9.8 |
| 01/21/2023 | 8.7 | 8.4 |
| 01/28/2023 | 8.0 | 7.5 |
| 02/04/2023 | 7.3 | 6.7 |
| 02/11/2023 | 7.2 | 7.3 |
| 02/18/2023 | 7.0 | 7.1 |
| 02/25/2023 | 6.4 | 6.4 |
| 03/04/2023 | 6.2 | 5.8 |
| 03/11/2023 | 5.4 | 5.3 |
| 03/18/2023 | 5.1 | 4.7 |
| 03/25/2023 | 4.8 | 4.7 |
| 04/01/2023 | 4.0 | 4.1 |
| 04/08/2023 | 3.9 | 3.4 |
| 04/15/2023 | 3.7 | 3.3 |
| 04/22/2023 | 3.2 | 3.1 |
| 04/29/2023 | 2.6 | 2.6 |
| 05/06/2023 | 2.6 | 2.4 |
| 05/13/2023 | 2.3 | 2.2 |
| 05/20/2023 | 2.1 | 2.0 |
| 05/27/2023 | 2.0 | 1.8 |
| 06/03/2023 | 1.7 | 1.4 |
| 06/10/2023 | 1.4 | 1.4 |
| 06/17/2023 | 1.3 | 1.6 |
| 06/24/2023 | 1.4 | 1.3 |

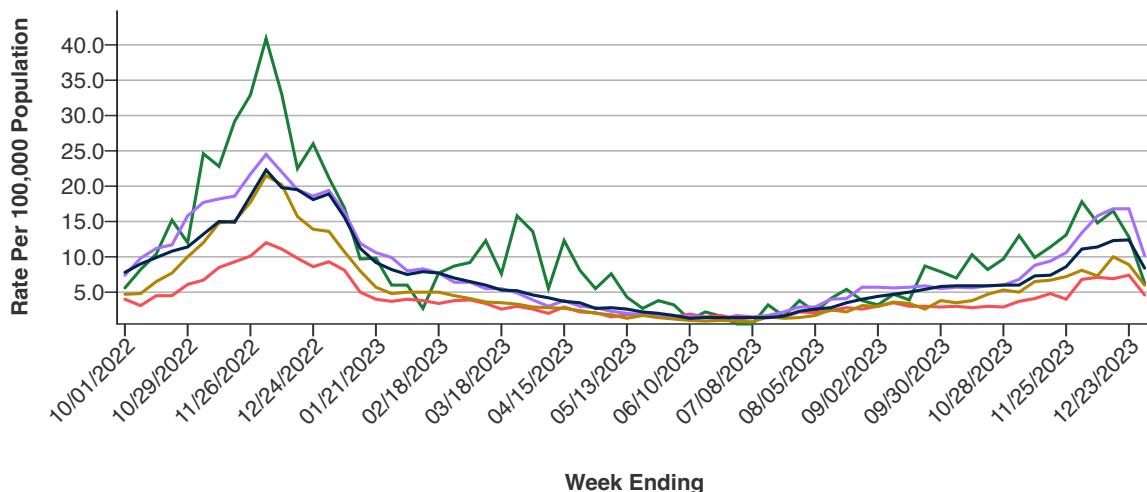
| | | |
|------------|------|------|
| 07/01/2023 | 1.6 | 1.3 |
| 07/08/2023 | 1.4 | 1.2 |
| 07/15/2023 | 1.4 | 1.6 |
| 07/22/2023 | 1.8 | 1.7 |
| 07/29/2023 | 2.3 | 2.3 |
| 08/05/2023 | 2.6 | 2.5 |
| 08/12/2023 | 3.0 | 2.9 |
| 08/19/2023 | 3.4 | 3.3 |
| 08/26/2023 | 4.2 | 4.0 |
| 09/02/2023 | 4.5 | 4.1 |
| 09/09/2023 | 4.4 | 4.8 |
| 09/16/2023 | 4.7 | 4.8 |
| 09/23/2023 | 4.9 | 4.9 |
| 09/30/2023 | 5.3 | 5.1 |
| 10/07/2023 | 5.4 | 5.4 |
| 10/14/2023 | 5.4 | 5.2 |
| 10/21/2023 | 5.4 | 5.7 |
| 10/28/2023 | 5.6 | 5.7 |
| 11/04/2023 | 6.0 | 5.9 |
| 11/11/2023 | 7.3 | 7.3 |
| 11/18/2023 | 8.1 | 7.2 |
| 11/25/2023 | 8.7 | 8.6 |
| 12/02/2023 | 11.6 | 11.0 |
| 12/09/2023 | 12.2 | 11.3 |
| 12/16/2023 | 13.8 | 12.2 |
| 12/23/2023 | 14.6 | 13.6 |
| 12/30/2023 | 9.3 | 9.1 |

Hospitalization Rates for Viral Respiratory Illness, by Race and Ethnicity

Weekly hospitalization rates for COVID-19, influenza, and RSV per 100,000 population.

Respiratory Illness

Combined ▼



Race and Ethnicity

● AI/AN, NH ● Asian, PI, NH ● Black, NH ● Hispanic ● White, NH

NH = non-Hispanic, AI/AN = American Indian/Alaska Native, PI = Pacific Islander

Data presented through: 12/30/2023; Data as of: 01/04/2024

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

Data Table

| Week Ending | AI/AN, NH | Asian, PI, NH | Black, NH | Hispanic | White, NH |
|-------------|-----------|---------------|-----------|----------|-----------|
| 10/01/2022 | 5.6 | 4.0 | 7.4 | 4.7 | 7.8 |
| 10/08/2022 | 8.2 | 3.1 | 9.8 | 4.8 | 9.0 |
| 10/15/2022 | 10.4 | 4.5 | 11.2 | 6.5 | 9.9 |
| 10/22/2022 | 15.2 | 4.5 | 11.7 | 7.7 | 10.8 |
| 10/29/2022 | 12.0 | 6.1 | 15.8 | 10.0 | 11.4 |
| 11/05/2022 | 24.6 | 6.7 | 17.7 | 12.0 | 13.2 |

| | | | | | |
|------------|------|------|------|------|------|
| 11/12/2022 | 22.8 | 8.5 | 18.2 | 14.8 | 15.0 |
| 11/19/2022 | 29.2 | 9.3 | 18.6 | 15.1 | 14.9 |
| 11/26/2022 | 32.9 | 10.1 | 21.7 | 17.7 | 18.6 |
| 12/03/2022 | 40.9 | 12.0 | 24.5 | 21.5 | 22.3 |
| 12/10/2022 | 33.0 | 11.1 | 22.0 | 20.2 | 19.8 |
| 12/17/2022 | 22.5 | 9.8 | 19.5 | 15.7 | 19.5 |
| 12/24/2022 | 26.0 | 8.6 | 18.6 | 13.9 | 18.1 |
| 12/31/2022 | 21.2 | 9.3 | 19.4 | 13.6 | 18.9 |
| 01/07/2023 | 16.9 | 8.1 | 16.3 | 10.7 | 15.6 |
| 01/14/2023 | 9.7 | 5.0 | 11.9 | 8.0 | 11.2 |
| 01/21/2023 | 9.8 | 4.0 | 10.6 | 5.7 | 9.2 |
| 01/28/2023 | 6.0 | 3.7 | 9.9 | 4.8 | 8.2 |
| 02/04/2023 | 6.0 | 4.0 | 8.0 | 5.0 | 7.5 |
| 02/11/2023 | 2.7 | 3.8 | 8.3 | 5.0 | 7.9 |
| 02/18/2023 | 7.7 | 3.4 | 7.7 | 5.0 | 7.7 |
| 02/25/2023 | 8.7 | 3.8 | 6.4 | 4.5 | 7.0 |
| 03/04/2023 | 9.2 | 3.9 | 6.4 | 4.1 | 6.5 |
| 03/11/2023 | 12.3 | 3.4 | 5.5 | 3.6 | 6.0 |
| 03/18/2023 | 7.6 | 2.6 | 5.5 | 3.5 | 5.3 |
| 03/25/2023 | 15.8 | 3.0 | 4.9 | 3.3 | 5.2 |
| 04/01/2023 | 13.6 | 2.6 | 3.9 | 2.9 | 4.6 |
| 04/08/2023 | 5.5 | 2.0 | 3.0 | 2.8 | 4.2 |
| 04/15/2023 | 12.3 | 2.9 | 3.8 | 2.7 | 3.7 |
| 04/22/2023 | 8.1 | 2.2 | 3.0 | 2.4 | 3.5 |
| 04/29/2023 | 5.5 | 2.1 | 2.8 | 2.0 | 2.7 |
| 05/06/2023 | 7.6 | 1.5 | 2.3 | 1.8 | 2.8 |
| 05/13/2023 | 4.3 | 1.8 | 2.0 | 1.3 | 2.6 |
| 05/20/2023 | 2.7 | 1.9 | 1.8 | 1.7 | 2.2 |
| 05/27/2023 | 3.8 | 1.7 | 1.8 | 1.4 | 2.0 |
| 06/03/2023 | 3.2 | 1.5 | 1.4 | 1.2 | 1.7 |
| 06/10/2023 | 1.1 | 1.9 | 1.6 | 1.0 | 1.3 |
| 06/17/2023 | 2.2 | 1.5 | 1.5 | 0.9 | 1.4 |
| 06/24/2023 | 1.6 | 1.7 | 1.2 | 1.0 | 1.4 |
| 07/01/2023 | 0.5 | 1.2 | 1.7 | 0.9 | 1.4 |
| 07/08/2023 | 0.5 | 1.4 | 1.5 | 0.8 | 1.4 |
| 07/15/2023 | 3.2 | 1.4 | 1.7 | 1.5 | 1.4 |

| | | | | | |
|------------|------|-----|------|------|------|
| 07/22/2023 | 1.6 | 1.5 | 2.2 | 1.3 | 1.6 |
| 07/29/2023 | 3.8 | 2.2 | 2.9 | 1.4 | 2.3 |
| 08/05/2023 | 2.2 | 2.1 | 2.9 | 1.7 | 2.6 |
| 08/12/2023 | 4.1 | 2.4 | 4.0 | 2.5 | 2.8 |
| 08/19/2023 | 5.4 | 2.8 | 4.1 | 2.2 | 3.5 |
| 08/26/2023 | 3.8 | 2.6 | 5.7 | 3.1 | 4.0 |
| 09/02/2023 | 3.2 | 3.0 | 5.7 | 3.0 | 4.4 |
| 09/09/2023 | 4.7 | 3.5 | 5.6 | 3.6 | 4.7 |
| 09/16/2023 | 3.9 | 3.0 | 5.7 | 3.4 | 5.0 |
| 09/23/2023 | 8.7 | 3.0 | 5.9 | 2.6 | 5.4 |
| 09/30/2023 | 7.9 | 2.9 | 5.5 | 3.8 | 5.8 |
| 10/07/2023 | 7.0 | 3.0 | 5.7 | 3.5 | 5.9 |
| 10/14/2023 | 10.3 | 2.8 | 5.6 | 3.8 | 5.9 |
| 10/21/2023 | 8.2 | 3.0 | 5.9 | 4.7 | 5.9 |
| 10/28/2023 | 9.7 | 2.9 | 6.0 | 5.3 | 6.0 |
| 11/04/2023 | 13.0 | 3.7 | 6.8 | 5.0 | 6.0 |
| 11/11/2023 | 9.9 | 4.1 | 8.8 | 6.5 | 7.3 |
| 11/18/2023 | 11.4 | 4.8 | 9.4 | 6.7 | 7.4 |
| 11/25/2023 | 13.1 | 4.0 | 10.6 | 7.2 | 8.6 |
| 12/02/2023 | 17.8 | 6.8 | 13.4 | 8.1 | 11.1 |
| 12/09/2023 | 14.8 | 7.1 | 15.8 | 7.3 | 11.4 |
| 12/16/2023 | 16.5 | 6.9 | 16.8 | 10.0 | 12.3 |
| 12/23/2023 | 12.8 | 7.4 | 16.8 | 8.9 | 12.4 |
| 12/30/2023 | 6.3 | 4.6 | 10.2 | 6.0 | 8.4 |

Data Notes: Hospitalizations



- **SOURCE:** Respiratory Virus Hospitalization Surveillance Network (RESP-NET).
- Combined is the sum of COVID-19, influenza, and respiratory syncytial virus (RSV) hospitalization rates.
- Additional information, including the surveillance catchment area, is available at <https://www.cdc.gov/surveillance/resp-net/dashboard.html>.
- Data are preliminary and subject to change as more data become available. In particular, case counts and rates for recent hospital admissions are subject to lag.
- Incidence rates of COVID-19- and respiratory syncytial virus (RSV)-associated hospitalizations (per 100,000) are calculated using the National Center for Health Statistics (NCHS) vintage 2020 bridged-race postcensal population estimates for the counties included in the surveillance area, while incidence rates of influenza-associated hospitalizations (per 100,000) are calculated using U.S. Census vintage 2022 unbridged-race postcensal population estimates for the counties or county-equivalents included the surveillance area.
- COVID-19 and respiratory syncytial virus (RSV) surveillance are currently conducted year-round. For influenza, the surveillance period begins October 1 and ends April 30 of each year.
- FluSurv-NET surveillance for the 2023-24 season began on October 1, 2023.
- Rates are likely to be underestimated as some COVID-19-, influenza-, and respiratory syncytial virus (RSV)-associated hospitalizations might be missed because of undertesting, differing provider or facility testing practices, and diagnostic test sensitivity. Rates presented do not adjust for testing practices which may differ by pathogen, age, race and ethnicity, and other demographic criteria.
- The NCHS bridged-race population estimates or U.S. Census unbridged-race postcensal population estimates used as denominators for race provide data for children ages 0–1 year. To calculate rates of hospitalization among children ages <6 months and 6 months to <12 months, the population estimate for children ages 0–1 year is halved.
- Black, White, American Indian/Alaska Native, and Asian/Pacific Islander people were categorized as non-Hispanic; Hispanic people could be of any race. If Hispanic ethnicity was unknown, non-Hispanic ethnicity was assumed. Rates presented by race and ethnicity are calculated using records with known race. Those with missing or unknown race are excluded from race-specific estimates but are included in overall estimates.

Explore deeper data

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[Influenza Hospitalizations Dashboard](#)

[RSV Hospitalizations Dashboard](#)

**PREVIOUS**

Groups Most Impacted: Emergency Department Visits

NEXT

Groups Most Impacted: Deaths

