



Respiratory Illnesses

Groups Most Impacted—Hospitalizations

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

Groups Most Impacted Update:

- As a percent of all emergency department visits, children 5-11 years have the highest proportion of diagnosed influenza visits followed by children under 4 years and then children 12-17 years. COVID-19-related emergency department visits are highest among children under 4 years and adults 65+; visits due to diagnosed RSV are highest among children under 4 years.
- Rates of COVID-19 and RSV-associated hospitalizations remain highest among adults 65+ and infants under 12 months. Rates of influenza-associated hospitalizations are elevated in all age groups, with adults 65+ having the highest rate. Non-Hispanic Black persons have the highest age-adjusted influenza hospitalization rates compared with other racial and ethnic groups.
- Nationally, the percent of total deaths due to COVID-19, influenza, or RSV were highest (5.7%) among adults 65+.

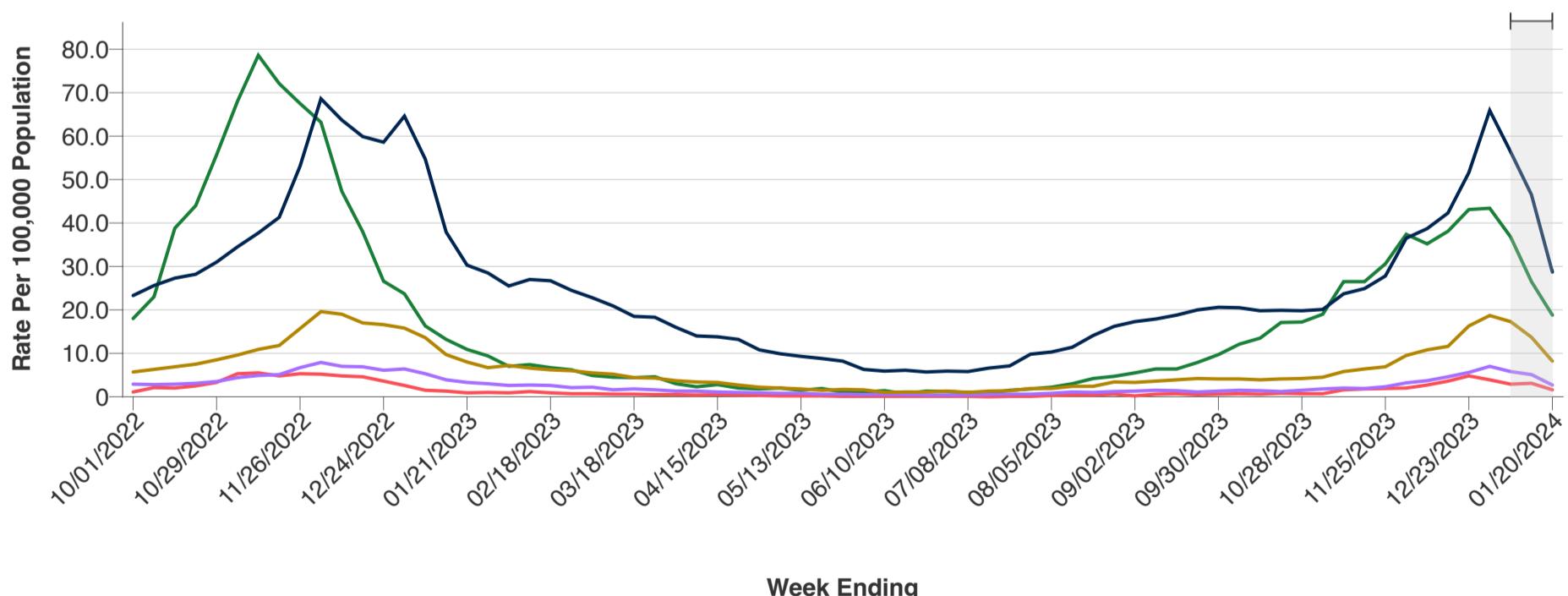
Reported on Friday, January 26th, 2024.

Hospitalization Rates for Viral Respiratory Illness, by Age

Weekly hospitalization rates for COVID-19, influenza, and RSV per 100,000 population. Preliminary data are shaded in gray.

Respiratory Illness

Combined 



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	23.3
10/08/2022	23.0	2.1	2.8	6.3	25.6
10/15/2022	38.8	2.0	2.9	6.9	27.3
10/22/2022	44.0	2.5	3.1	7.5	28.2
10/29/2022	55.7	3.3	3.5	8.5	31.0
11/05/2022	68.0	5.3	4.4	9.6	34.5
11/12/2022	78.6	5.5	4.9	10.9	37.7
11/19/2022	72.1	4.8	5.1	11.8	41.3
11/26/2022	67.5	5.3	6.7	15.7	53.1
12/03/2022	63.2	5.2	7.9	19.6	68.6
12/10/2022	47.3	4.8	7.0	19.0	63.7
12/17/2022	38.0	4.6	6.9	17.0	59.9
12/24/2022	26.6	3.6	6.1	16.6	58.6
12/31/2022	23.7	2.6	6.4	15.8	64.6
01/07/2023	16.3	1.5	5.3	13.6	54.7
01/14/2023	13.2	1.3	3.9	9.7	37.9
01/21/2023	10.9	0.9	3.3	8.0	30.3
01/28/2023	9.4	1.0	3.0	6.7	28.5
02/04/2023	7.0	0.9	2.6	7.2	25.5
02/11/2023	7.4	1.2	2.7	6.6	27.0
02/18/2023	6.7	0.9	2.6	6.2	26.7
02/25/2023	6.2	0.7	2.1	6.0	24.5
03/04/2023	4.9	0.7	2.2	5.5	22.8
03/11/2023	4.5	0.6	1.6	5.2	20.9
03/18/2023	4.4	0.6	1.8	4.4	18.5
03/25/2023	4.6	0.5	1.6	4.3	18.3
04/01/2023	3.0	0.5	1.3	3.7	16.0
04/08/2023	2.3	0.4	1.3	3.4	14.0
04/15/2023	2.8	0.5	1.1	3.3	13.8
04/22/2023	2.0	0.4	1.0	2.7	13.2
04/29/2023	1.8	0.3	0.9	2.2	10.8
05/06/2023	2.0	0.2	0.8	2.0	9.9
05/13/2023	1.5	0.2	0.8	1.8	9.3
05/20/2023	1.9	0.2	0.6	1.5	8.8
05/27/2023	1.1	0.1	0.6	1.7	8.2
06/03/2023	1.1	0.1	0.5	1.6	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	1.3	0.1	0.4	1.1	5.7
07/01/2023	1.2	0.1	0.4	1.3	5.9
07/08/2023	1.0	0.1	0.4	1.0	5.8
07/15/2023	0.8	0.0	0.5	1.3	6.6
07/22/2023	1.5	0.1	0.6	1.4	7.1

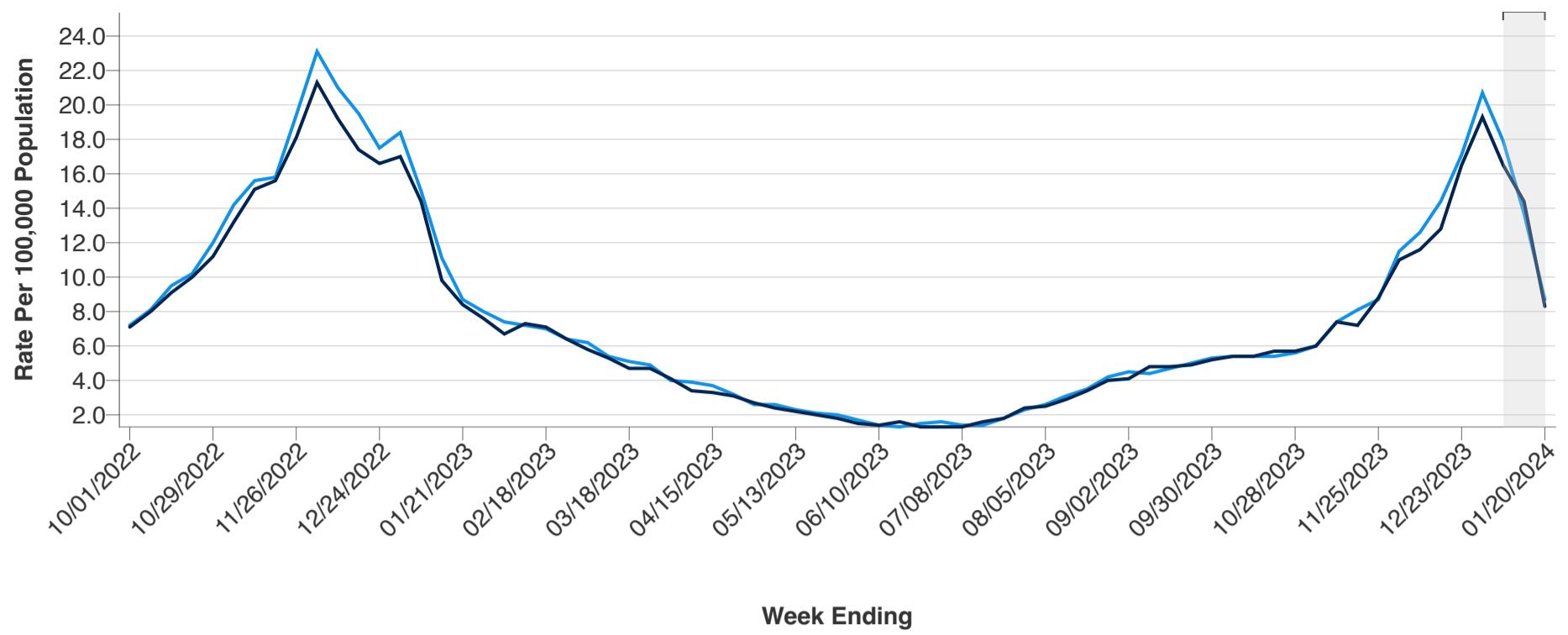
07/29/2023	1.8	0.1	0.6	1.9	9.8
08/05/2023	2.2	0.3	0.8	1.9	10.3
08/12/2023	3.0	0.4	1.1	2.4	11.4
08/19/2023	4.2	0.4	1.0	2.4	14.1
08/26/2023	4.7	0.6	1.2	3.4	16.2
09/02/2023	5.5	0.2	1.3	3.3	17.3
09/09/2023	6.4	0.6	1.5	3.6	17.9
09/16/2023	6.4	0.7	1.4	3.9	18.8
09/23/2023	7.9	0.5	1.1	4.2	20.0
09/30/2023	9.7	0.6	1.3	4.1	20.6
10/07/2023	12.1	0.7	1.5	4.1	20.5
10/14/2023	13.5	0.6	1.4	3.9	19.8
10/21/2023	17.1	0.8	1.2	4.1	19.9
10/28/2023	17.2	0.7	1.5	4.2	19.8
11/04/2023	19.0	0.7	1.8	4.5	20.1
11/11/2023	26.5	1.6	2.0	5.8	23.7
11/18/2023	26.5	1.8	1.9	6.4	24.9
11/25/2023	30.6	1.9	2.3	6.9	27.8
12/02/2023	37.4	2.0	3.2	9.5	36.5
12/09/2023	35.2	2.7	3.7	10.8	38.7
12/16/2023	38.1	3.6	4.6	11.6	42.3
12/23/2023	43.1	4.8	5.6	16.3	51.6
12/30/2023	43.4	3.9	7.0	18.7	65.9
01/06/2024	36.8	2.9	5.8	17.3	56.4
01/13/2024	26.5	3.1	5.1	13.7	46.5
01/20/2024	18.8	1.6	2.7	8.2	28.7

Hospitalization Rates for Viral Respiratory Illness, by Sex

Weekly hospitalization rates for COVID-19, influenza, and RSV per 100,000 population. Preliminary data are shaded in gray.

Respiratory Illness

Combined ▾



Sex

Female Male

Data presented through: 01/20/2024; Data as of: 01/25/2024

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

Data Table

Week Ending	Female	Male
10/01/2022	7.2	7.1
10/08/2022	8.1	8.0
10/15/2022	9.5	9.1
10/22/2022	10.2	10.0
10/29/2022	12.0	11.2
11/05/2022	14.2	13.2
11/12/2022	15.6	15.1
11/19/2022	15.8	15.6
11/26/2022	19.4	18.1
12/03/2022	23.1	21.3
12/10/2022	21.0	19.2
12/17/2022	19.5	17.4
12/24/2022	17.5	16.6
12/31/2022	18.4	17.0
01/07/2023	15.0	14.4
01/14/2023	11.1	9.8
01/21/2023	8.7	8.4
01/28/2023	8.0	7.6
02/04/2023	7.4	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	4.9	4.7

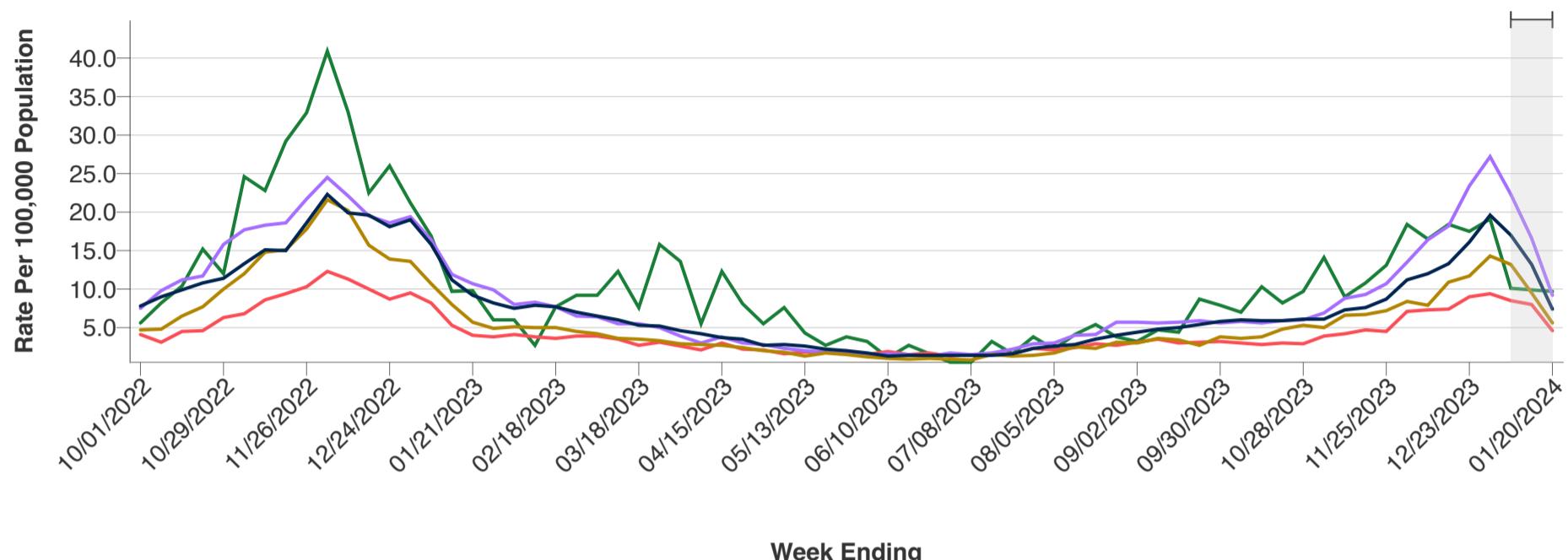
04/01/2023	4.0	4.1
04/08/2023	3.9	3.4
04/15/2023	3.7	3.3
04/22/2023	3.2	3.1
04/29/2023	2.6	2.7
05/06/2023	2.6	2.4
05/13/2023	2.3	2.2
05/20/2023	2.1	2.0
05/27/2023	2.0	1.8
06/03/2023	1.7	1.5
06/10/2023	1.4	1.4
06/17/2023	1.3	1.6
06/24/2023	1.5	1.3
07/01/2023	1.6	1.3
07/08/2023	1.4	1.3
07/15/2023	1.4	1.6
07/22/2023	1.8	1.8
07/29/2023	2.3	2.4
08/05/2023	2.6	2.5
08/12/2023	3.1	2.9
08/19/2023	3.5	3.4
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	5.0	4.9
09/30/2023	5.3	5.2
10/07/2023	5.4	5.4
10/14/2023	5.4	5.4
10/21/2023	5.4	5.7
10/28/2023	5.6	5.7
11/04/2023	6.0	6.0
11/11/2023	7.4	7.4
11/18/2023	8.1	7.2
11/25/2023	8.7	8.8
12/02/2023	11.5	11.0
12/09/2023	12.6	11.6
12/16/2023	14.4	12.8
12/23/2023	17.1	16.5
12/30/2023	20.7	19.3
01/06/2024	17.9	16.5
01/13/2024	13.7	14.4
01/20/2024	8.7	8.3

Hospitalization Rates for Viral Respiratory Illness, by Race and Ethnicity

Weekly hospitalization rates for COVID-19, influenza, and RSV per 100,000 population. Preliminary data are shaded in gray.

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: 01/20/2024; Data as of: 01/25/2024

[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	4.1	7.5	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	4.6	11.7	7.7	10.8
10/29/2022	12.0	6.3	15.8	10.0	11.4
11/05/2022	24.6	6.8	17.7	12.0	13.3
11/12/2022	22.8	8.6	18.3	14.8	15.1
11/19/2022	29.2	9.4	18.6	15.1	15.0
11/26/2022	32.9	10.3	21.7	17.8	18.6
12/03/2022	40.9	12.3	24.5	21.6	22.3
12/10/2022	33.0	11.3	22.1	20.2	19.9
12/17/2022	22.5	10.0	19.5	15.7	19.6
12/24/2022	26.0	8.7	18.6	13.9	18.1
12/31/2022	21.2	9.5	19.4	13.6	19.0
01/07/2023	16.9	8.2	16.4	10.7	15.8
01/14/2023	9.7	5.3	11.9	8.0	11.2
01/21/2023	9.8	4.0	10.7	5.7	9.2

01/28/2023	6.0	3.8	9.9	4.9	8.2
02/04/2023	6.0	4.1	8.0	5.1	7.5
02/11/2023	2.7	3.8	8.3	5.0	7.9
02/18/2023	7.7	3.6	7.7	5.0	7.7
02/25/2023	9.2	3.9	6.5	4.5	7.0
03/04/2023	9.2	3.9	6.4	4.2	6.5
03/11/2023	12.3	3.5	5.5	3.6	6.0
03/18/2023	7.6	2.7	5.5	3.5	5.3
03/25/2023	15.8	3.1	5.0	3.3	5.2
04/01/2023	13.6	2.6	3.9	2.9	4.6
04/08/2023	5.5	2.1	3.0	2.8	4.2
04/15/2023	12.3	3.0	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	1.6	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	1.5	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	2.7	1.5	1.5	0.9	1.4
06/24/2023	1.6	1.7	1.3	1.0	1.4
07/01/2023	0.5	1.3	1.7	0.9	1.4
07/08/2023	0.5	1.5	1.5	0.8	1.4
07/15/2023	3.2	1.5	1.7	1.5	1.4
07/22/2023	1.6	1.6	2.2	1.3	1.6
07/29/2023	3.8	2.3	2.9	1.4	2.3
08/05/2023	2.2	2.1	3.0	1.7	2.6
08/12/2023	4.1	2.4	4.0	2.5	2.8
08/19/2023	5.4	2.9	4.1	2.3	3.5
08/26/2023	3.8	2.7	5.7	3.1	4.0
09/02/2023	3.2	3.1	5.7	3.0	4.4
09/09/2023	4.7	3.5	5.6	3.6	4.8
09/16/2023	4.4	3.0	5.7	3.4	5.0
09/23/2023	8.7	3.1	5.9	2.7	5.4
09/30/2023	7.9	3.2	5.6	3.8	5.8
10/07/2023	7.0	3.0	5.8	3.6	6.0
10/14/2023	10.3	2.8	5.6	3.8	5.9
10/21/2023	8.2	3.0	5.9	4.8	5.9
10/28/2023	9.7	2.9	6.0	5.3	6.1
11/04/2023	14.1	3.9	6.9	5.0	6.1
11/11/2023	9.0	4.2	8.8	6.6	7.3
11/18/2023	10.8	4.7	9.3	6.7	7.6
11/25/2023	13.1	4.5	10.7	7.2	8.7
12/02/2023	18.4	7.1	13.5	8.4	11.2

12/09/2023	16.5	7.3	16.4	7.9	12.0
12/16/2023	18.4	7.4	18.2	10.9	13.3
12/23/2023	17.5	9.0	23.4	11.7	16.1
12/30/2023	19.1	9.4	27.2	14.3	19.6
01/06/2024	10.1	8.5	22.3	13.2	17.0
01/13/2024	9.9	8.0	16.6	9.5	13.2
01/20/2024	9.7	4.6	9.2	5.6	7.4

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 undetecting, 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

[Respiratory Virus Hospitalizations Dashboard](#)

[COVID-19 Hospitalizations Dashboard](#)

Influenza Hospitalizations Dashboard

RSV Hospitalizations Dashboard



PREVIOUS

Groups Most Impacted: Emergency Department Visits

NEXT

Groups Most Impacted: Deaths

