

## 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 under 18 have the highest proportion of diagnosed influenza visits. Influenza visits decreased in all age groups. COVID-19-related emergency department visits are highest among infants under 12 months and adults 65+ and decreasing among all age groups; visits due to diagnosed RSV are highest among infants under 12 months but decreasing or stable among all age groups.
- Rates of influenza-related hospitalizations are elevated in all age groups; adults 65+ have the highest rate compared to other age groups. Non-Hispanic Black persons have the highest age-adjusted influenza hospitalization rate compared with other racial and ethnic groups. Rates of COVID-19 and RSV hospitalizations are decreasing but remain elevated among adults 65+ and infants under 12 months.
- Nationally, the percent of total deaths due to COVID-19, influenza, or RSV were highest (2.8%) among adults 65+.

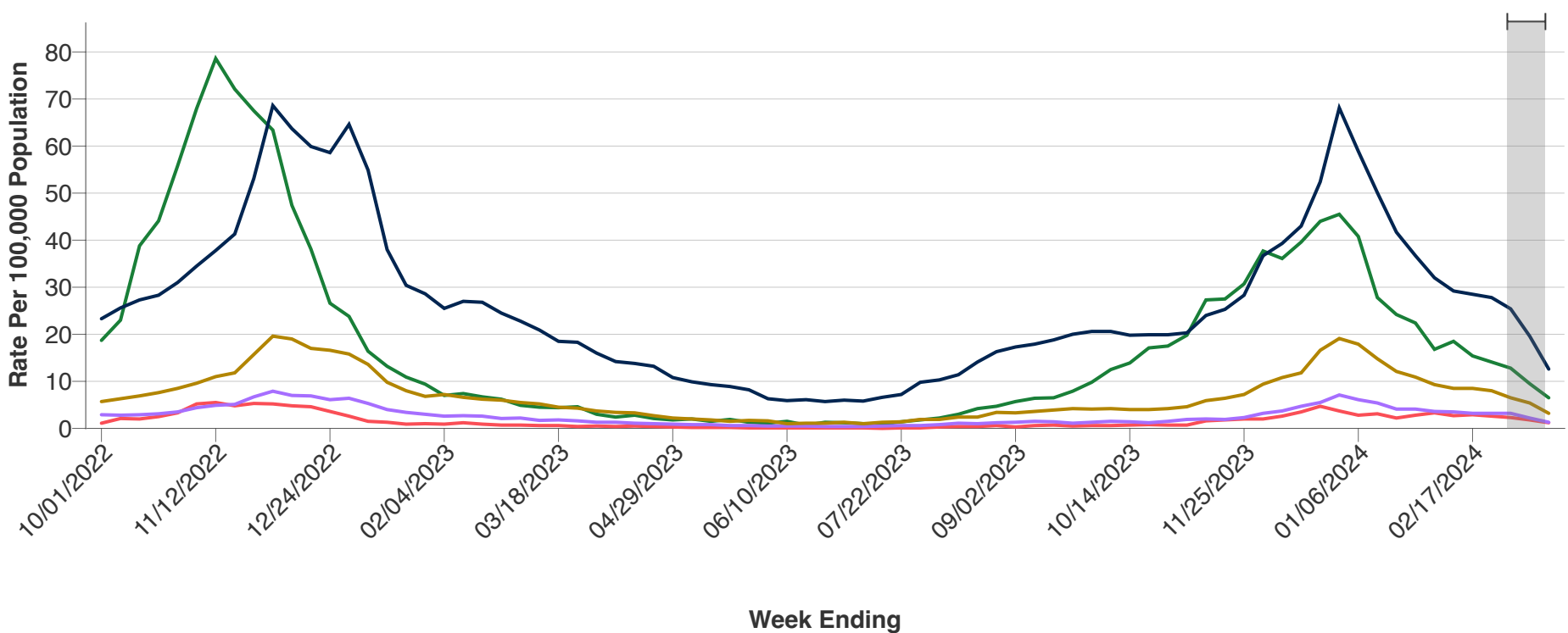
Reported on Friday, March 22nd, 2024.

## 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 ▾



### Age Group

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

Data presented through: 03/16/2024; Data as of: 03/21/2024

Data Table					
Week Ending	0-4 years	5-17 years	18-49 years	50-64 years	65+ years
10/01/2022	18.7	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	44.1	2.5	3.1	7.6	28.3
10/29/2022	55.8	3.3	3.5	8.5	31.0
11/05/2022	68.0	5.2	4.4	9.6	34.5
11/12/2022	78.6	5.5	4.9	11.0	37.8
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	63.4	5.2	7.9	19.6	68.6
12/10/2022	47.4	4.8	7.0	19.0	63.7
12/17/2022	38.1	4.6	6.9	17.0	59.9
12/24/2022	26.6	3.6	6.1	16.6	58.6
12/31/2022	23.8	2.6	6.4	15.8	64.6
01/07/2023	16.4	1.5	5.3	13.6	54.9
01/14/2023	13.2	1.3	4.0	9.8	38.0
01/21/2023	10.9	0.9	3.4	8.0	30.4
01/28/2023	9.4	1.0	3.0	6.8	28.6
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	26.8
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	1.7	5.2	20.9
03/18/2023	4.4	0.6	1.8	4.5	18.5
03/25/2023	4.6	0.4	1.6	4.3	18.3
04/01/2023	3.0	0.5	1.3	3.7	16.0
04/08/2023	2.4	0.4	1.3	3.4	14.2
04/15/2023	2.8	0.5	1.1	3.3	13.8
04/22/2023	2.1	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	8.9
05/27/2023	1.3	0.1	0.6	1.7	8.2
06/03/2023	1.1	0.1	0.5	1.6	6.3
06/10/2023	1.5	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	6.0
07/08/2023	1.0	0.1	0.4	1.0	5.8
07/15/2023	0.9	0.0	0.5	1.3	6.6

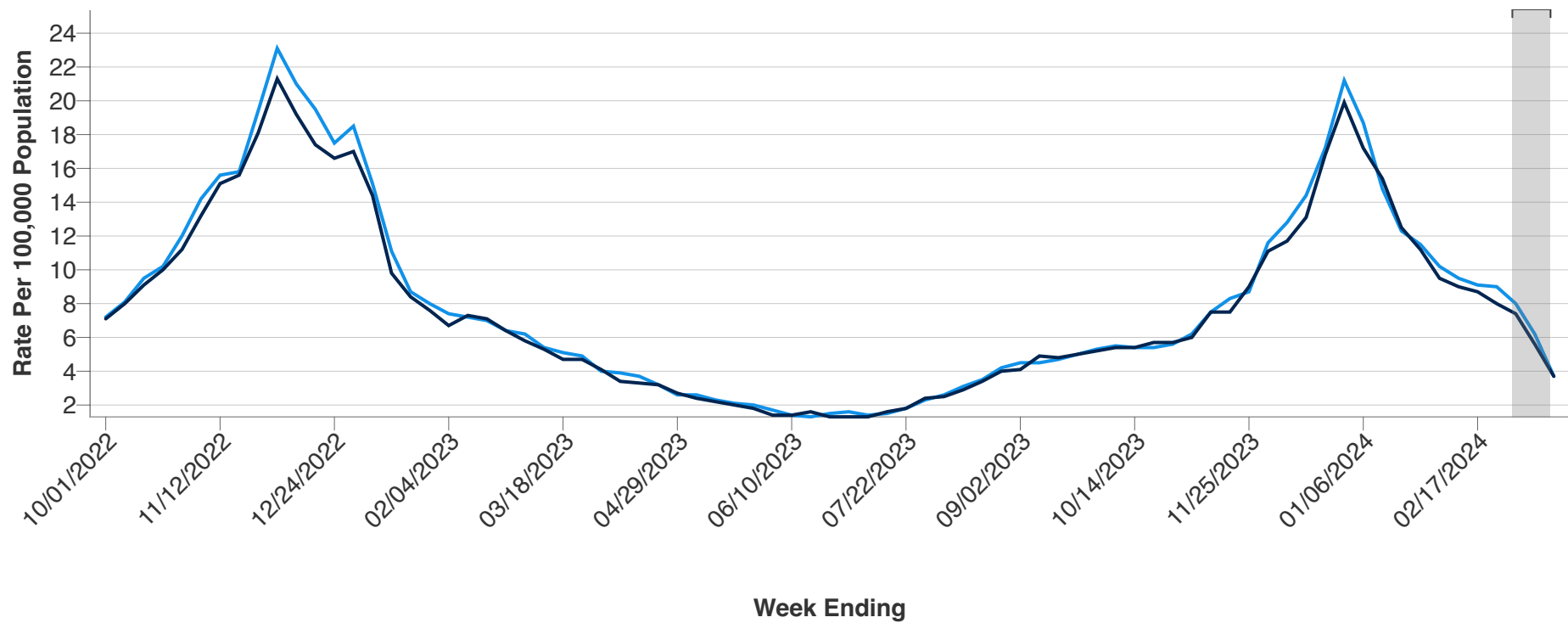
Week Ending	0-4 years	5-17 years	18-49 years	50-64 years	65+ years
07/22/2023	1.4	0.1	0.6	1.4	7.2
07/29/2023	1.8	0.1	0.6	1.9	9.8
08/05/2023	2.2	0.3	0.8	1.9	10.3
08/12/2023	3.0	0.4	1.1	2.4	11.4
08/19/2023	4.2	0.4	1.0	2.4	14.1
08/26/2023	4.7	0.6	1.2	3.4	16.3
09/02/2023	5.7	0.3	1.3	3.3	17.3
09/09/2023	6.4	0.6	1.5	3.6	17.9
09/16/2023	6.5	0.7	1.4	3.9	18.8
09/23/2023	7.9	0.5	1.1	4.2	20.0
09/30/2023	9.8	0.6	1.3	4.1	20.6
10/07/2023	12.5	0.6	1.5	4.2	20.6
10/14/2023	13.9	0.7	1.4	4.0	19.8
10/21/2023	17.1	0.8	1.2	4.0	19.9
10/28/2023	17.5	0.7	1.5	4.2	19.9
11/04/2023	19.8	0.7	1.9	4.6	20.3
11/11/2023	27.3	1.6	2.0	5.9	24.0
11/18/2023	27.5	1.8	1.9	6.4	25.3
11/25/2023	30.7	2.0	2.3	7.2	28.3
12/02/2023	37.7	2.0	3.2	9.4	36.7
12/09/2023	36.1	2.6	3.7	10.8	39.3
12/16/2023	39.6	3.5	4.7	11.8	43.0
12/23/2023	44.0	4.7	5.5	16.6	52.4
12/30/2023	45.5	3.7	7.1	19.1	68.1
01/06/2024	40.8	2.8	6.1	17.9	58.9
01/13/2024	27.8	3.1	5.4	14.8	50.1
01/20/2024	24.2	2.2	4.1	12.1	41.7
01/27/2024	22.4	2.8	4.1	10.9	36.7
02/03/2024	16.8	3.3	3.6	9.3	32.0
02/10/2024	18.5	2.7	3.5	8.5	29.2
02/17/2024	15.4	2.9	3.2	8.5	28.5
02/24/2024	14.1	2.6	3.2	8.0	27.8
03/02/2024	12.8	2.3	3.2	6.5	25.4
03/09/2024	9.5	1.8	2.2	5.4	19.6
03/16/2024	6.5	1.2	1.3	3.2	12.6

## 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: 03/16/2024; Data as of: 03/21/2024

[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	18.5	17.0
01/07/2023	15.1	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

Week Ending	Female	Male
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	3.2
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	1.4
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	1.5	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	4.5	4.9
09/16/2023	4.7	4.8
09/23/2023	5.0	5.0
09/30/2023	5.3	5.2
10/07/2023	5.5	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	6.2	6.0
11/11/2023	7.5	7.5
11/18/2023	8.3	7.5
11/25/2023	8.7	9.0
12/02/2023	11.6	11.1
12/09/2023	12.8	11.7
12/16/2023	14.4	13.1
12/23/2023	17.2	16.8
12/30/2023	21.2	19.9
01/06/2024	18.7	17.2
01/13/2024	14.8	15.4
01/20/2024	12.3	12.5
01/27/2024	11.5	11.2

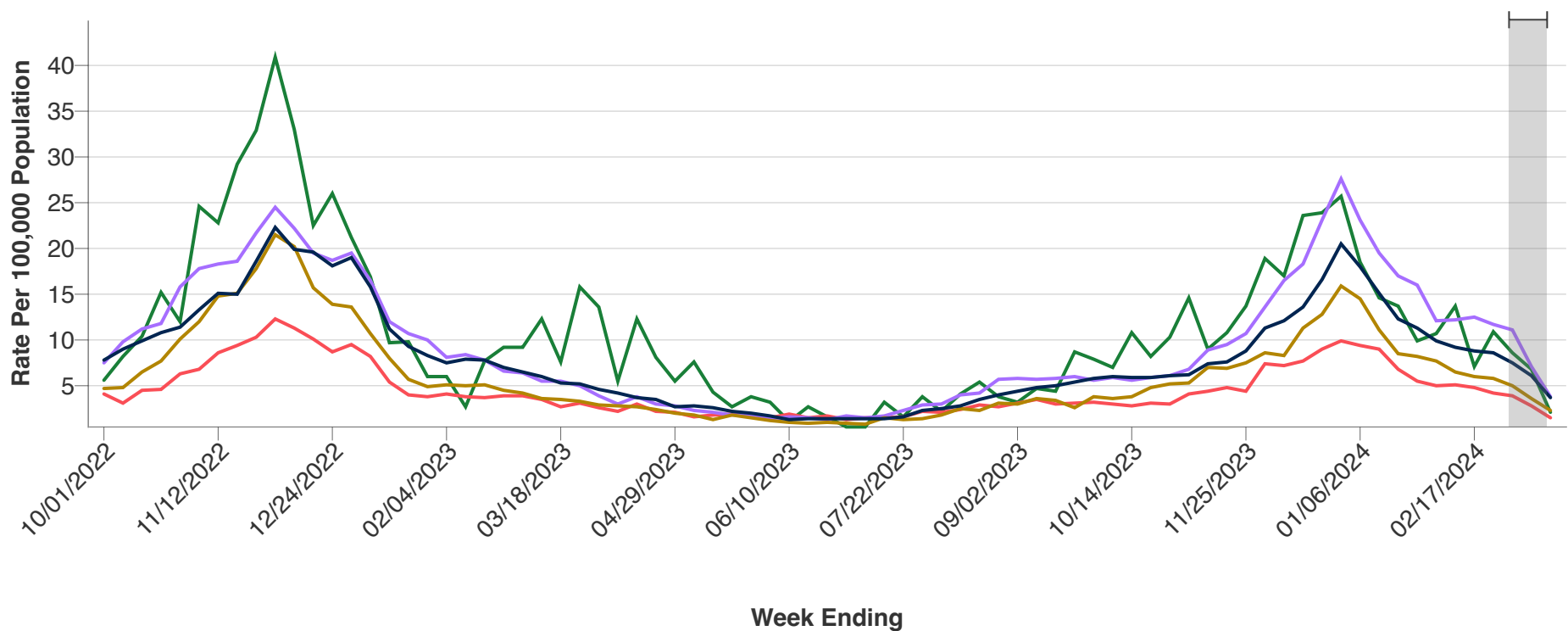
Week Ending	Female	Male
02/03/2024	10.2	9.5
02/10/2024	9.5	9.0
02/17/2024	9.1	8.7
02/24/2024	9.0	8.0
03/02/2024	8.0	7.4
03/09/2024	6.2	5.6
03/16/2024	3.7	3.7

## 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: 03/16/2024; Data as of: 03/21/2024

[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	11.8	7.7	10.8
10/29/2022	12.0	6.3	15.8	10.1	11.4
11/05/2022	24.6	6.8	17.8	12.0	13.3

Week Ending	AI/AN, NH	Asian, PI, NH	Black, NH	Hispanic	White, NH
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	21.5	22.3
12/10/2022	33.0	11.3	22.2	20.2	19.9
12/17/2022	22.5	10.1	19.5	15.7	19.6
12/24/2022	26.0	8.7	18.7	13.9	18.1
12/31/2022	21.2	9.5	19.5	13.6	19.0
01/07/2023	16.9	8.2	16.5	10.7	15.8
01/14/2023	9.7	5.4	12.0	8.0	11.2
01/21/2023	9.8	4.0	10.7	5.7	9.3
01/28/2023	6.0	3.8	10.0	4.9	8.3
02/04/2023	6.0	4.1	8.1	5.1	7.5
02/11/2023	2.7	3.8	8.4	5.0	7.9
02/18/2023	7.7	3.7	7.8	5.1	7.8
02/25/2023	9.2	3.9	6.6	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	2.2	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	2.1	1.3	2.6
05/20/2023	2.7	1.9	1.8	1.8	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	2.3	1.3	1.6
07/29/2023	3.8	2.2	2.9	1.4	2.3
08/05/2023	2.2	2.1	3.0	1.8	2.5
08/12/2023	4.1	2.4	4.0	2.5	2.8
08/19/2023	5.4	2.9	4.2	2.3	3.5
08/26/2023	3.8	2.7	5.7	3.1	4.0
09/02/2023	3.2	3.1	5.8	3.0	4.4
09/09/2023	4.7	3.5	5.7	3.6	4.8

Week Ending	AI/AN, NH	Asian, PI, NH	Black, NH	Hispanic	White, NH
09/16/2023	4.4	3.0	5.8	3.4	5.0
09/23/2023	8.7	3.1	6.0	2.6	5.4
09/30/2023	7.9	3.2	5.6	3.8	5.8
10/07/2023	7.0	3.0	5.9	3.6	6.0
10/14/2023	10.8	2.8	5.6	3.8	5.9
10/21/2023	8.2	3.1	5.9	4.8	5.9
10/28/2023	10.3	3.0	6.1	5.2	6.1
11/04/2023	14.6	4.1	6.8	5.3	6.2
11/11/2023	9.0	4.4	8.9	7.0	7.4
11/18/2023	10.8	4.8	9.5	6.9	7.6
11/25/2023	13.7	4.4	10.7	7.5	8.8
12/02/2023	18.9	7.4	13.6	8.6	11.3
12/09/2023	17.0	7.2	16.5	8.3	12.1
12/16/2023	23.6	7.7	18.3	11.3	13.6
12/23/2023	23.9	9.0	23.1	12.8	16.6
12/30/2023	25.7	9.9	27.6	15.9	20.5
01/06/2024	18.5	9.4	23.1	14.5	18.0
01/13/2024	14.6	9.0	19.5	11.1	15.1
01/20/2024	13.7	6.8	17.0	8.5	12.3
01/27/2024	9.9	5.5	16.0	8.2	11.3
02/03/2024	10.7	5.0	12.1	7.7	9.9
02/10/2024	13.7	5.1	12.2	6.5	9.2
02/17/2024	7.1	4.8	12.5	6.0	8.8
02/24/2024	10.9	4.2	11.7	5.8	8.6
03/02/2024	8.6	3.9	11.1	5.0	7.5
03/09/2024	6.8	2.8	7.1	3.6	6.1
03/16/2024	2.1	1.5	3.8	2.3	3.7

## 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

