



## Trends in COVID-19-Associated Hospitalizations — COVID-19-Associated Hospitalization Surveillance Network (COVID-NET), March 2020–February 2023

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Epidemiologist, COVID-NET

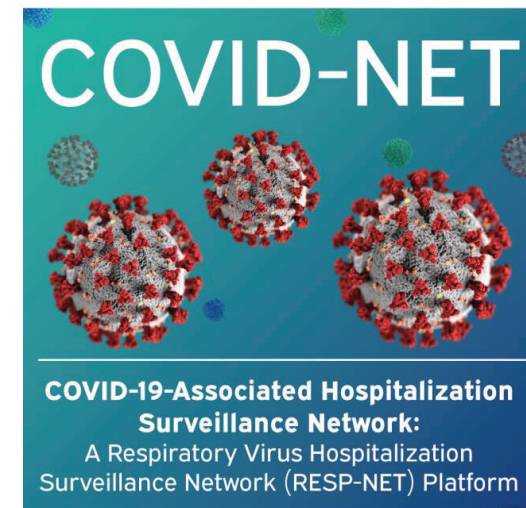
Coronaviruses and Other Respiratory Viruses Division

National Center for Immunizations and Respiratory Diseases

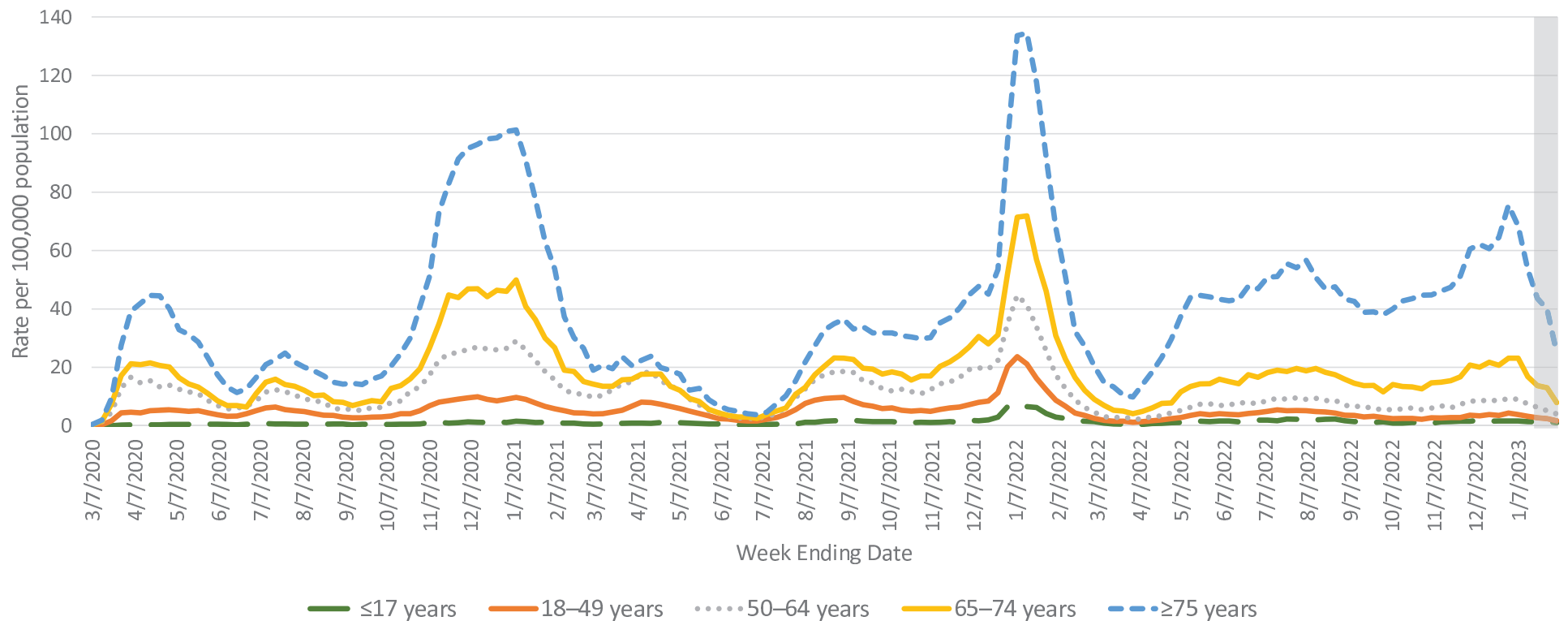
Centers for Disease Control and Prevention

Advisory Committee on Immunization Practices

February 24, 2023

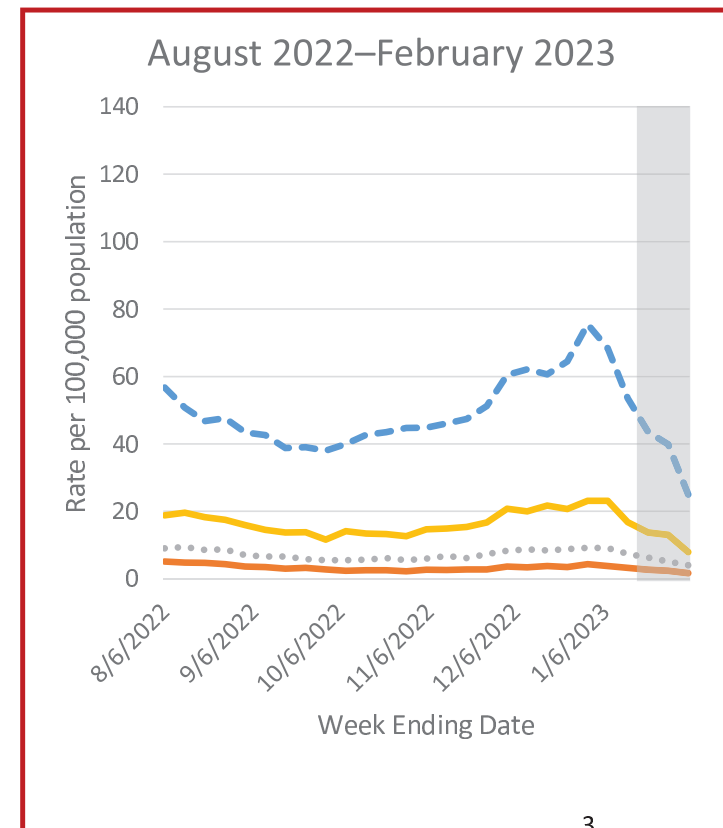
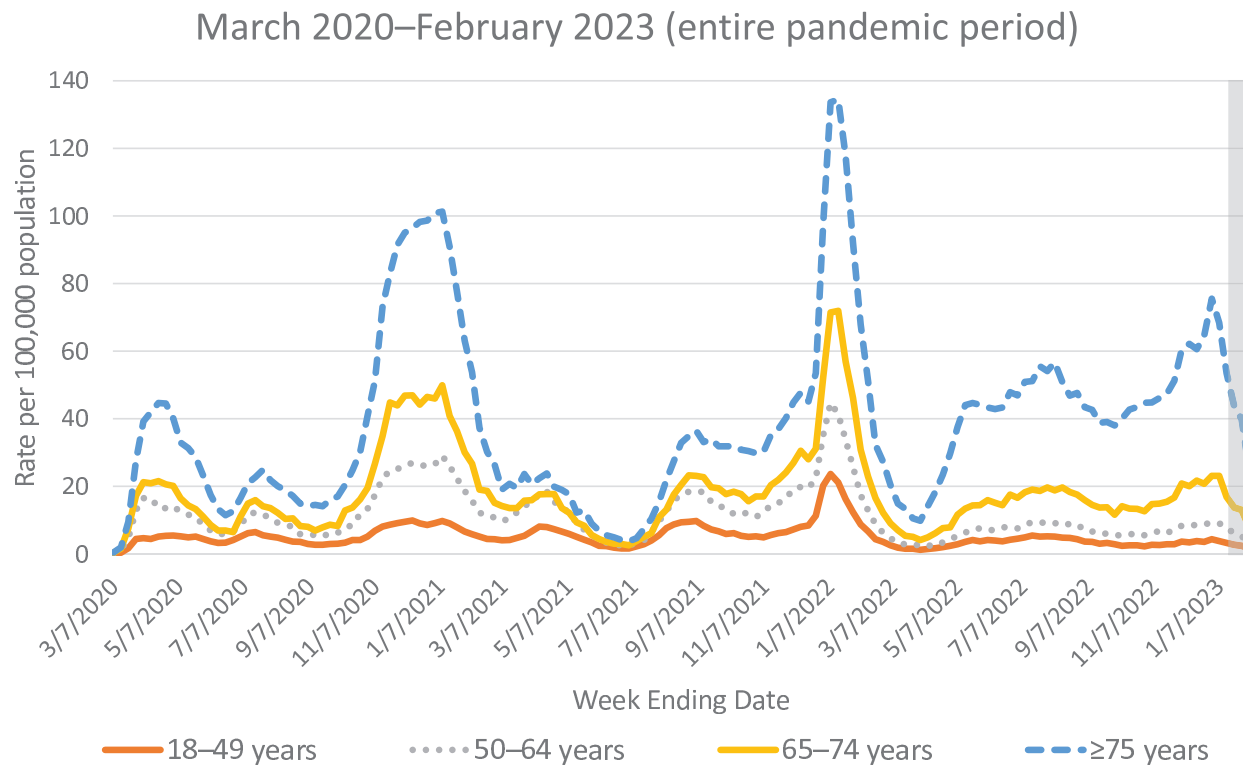


# Weekly Population-Based Rates of COVID-19-Associated Hospitalizations among All Ages — COVID-NET, March 2020–February 2023



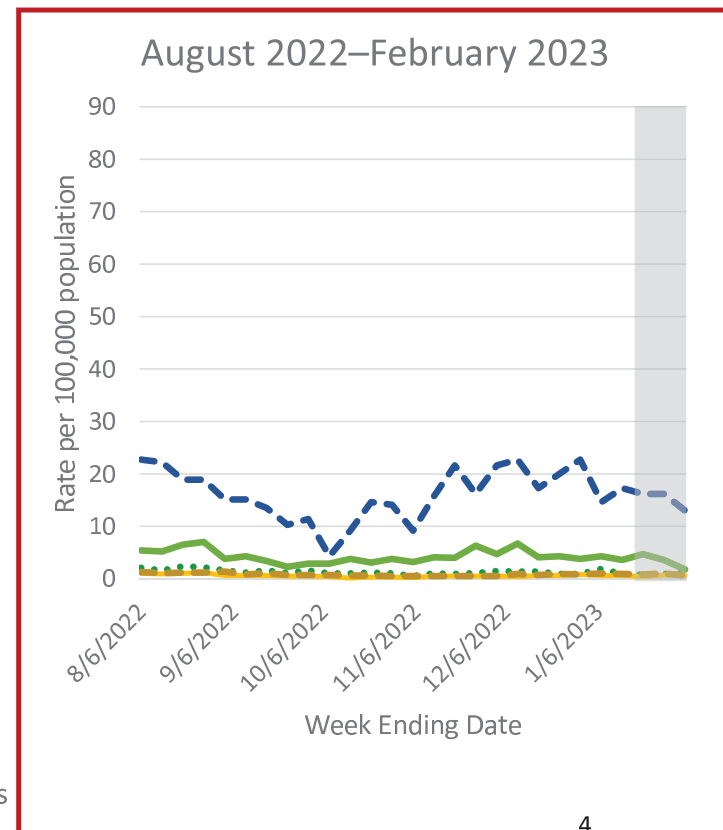
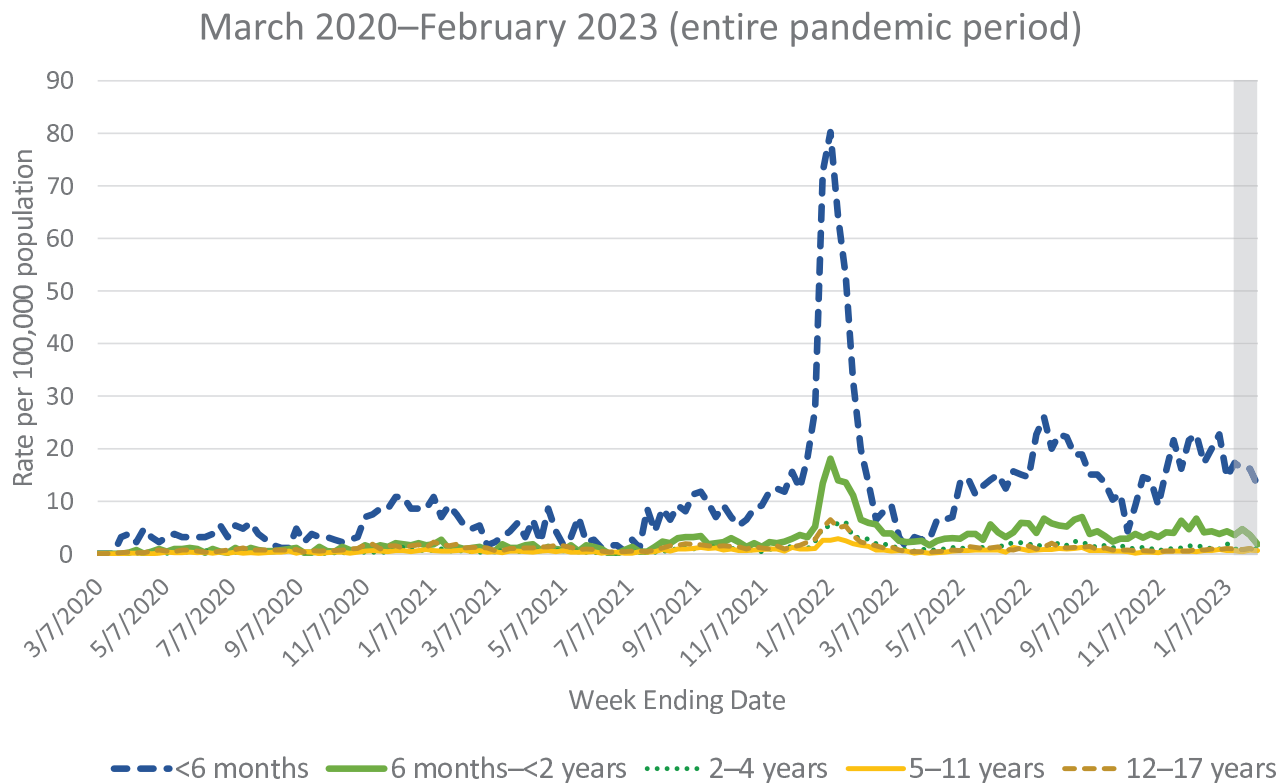
Gray boxes indicate potential reporting delays. Interpretation of trends should be excluded from these weeks.

# Weekly Population-Based Rates of COVID-19-Associated Hospitalizations among Adults Ages $\geq 18$ Years — COVID-NET, March 2020–February 2023



Gray boxes indicate potential reporting delays. Interpretation of trends should be excluded from these weeks.

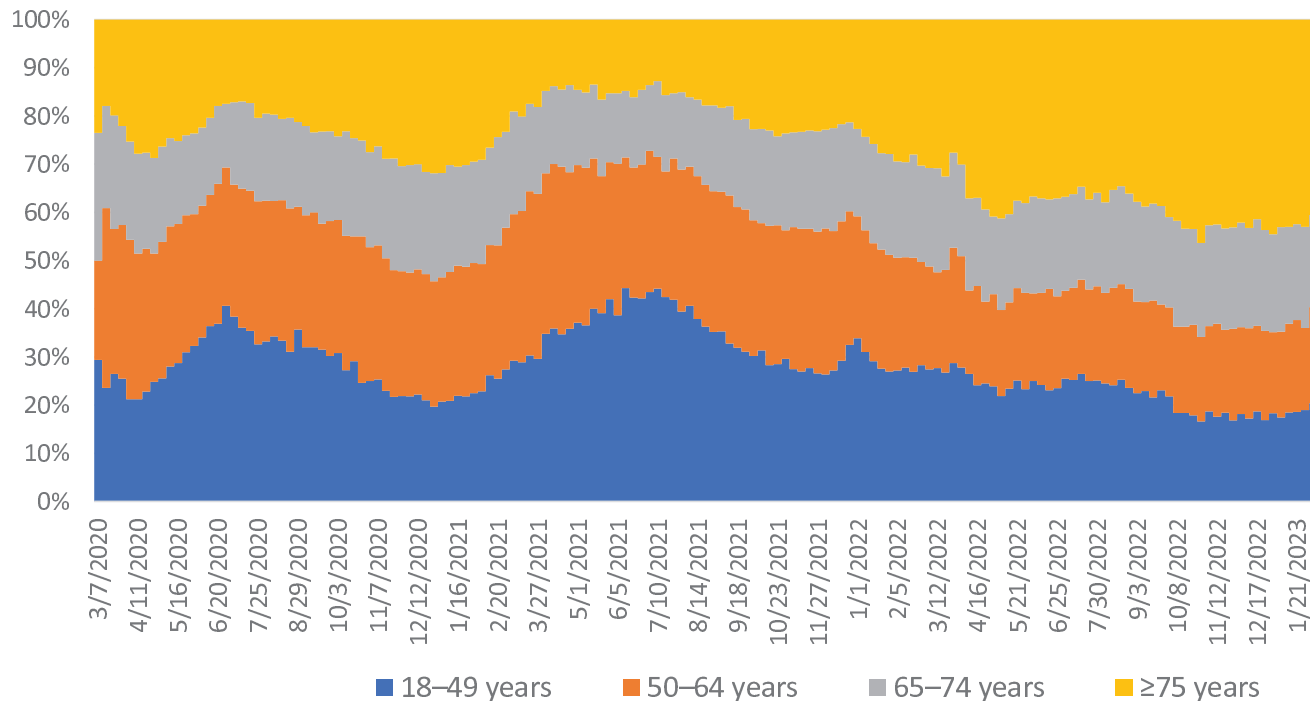
# Weekly Population-Based Rates of COVID-19-Associated Hospitalizations among Children and Adolescents Ages ≤17 Years — COVID-NET, March 2020–February 2023



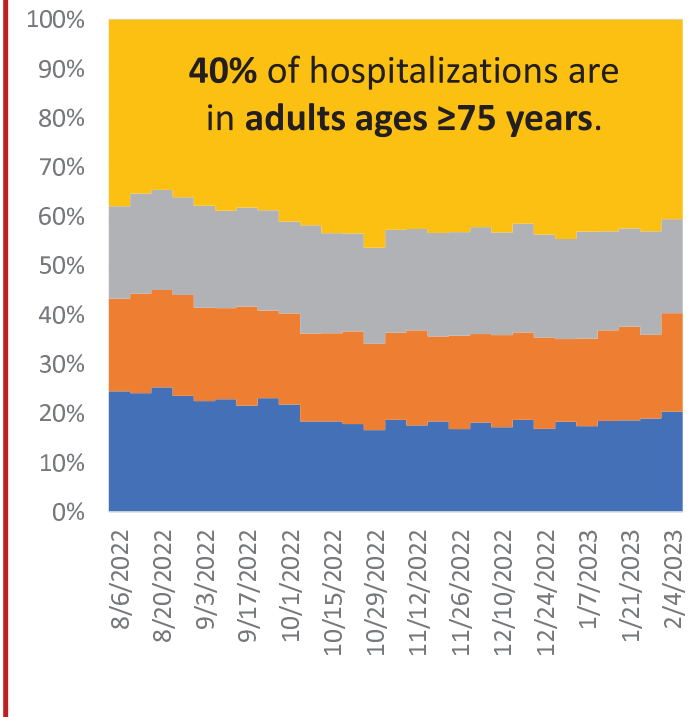
Gray boxes indicate potential reporting delays. Interpretation of trends should be excluded from these weeks.

# Weekly Proportions of COVID-19-Associated Hospitalizations by Adult Age Group — COVID-NET, March 2020–February 2023

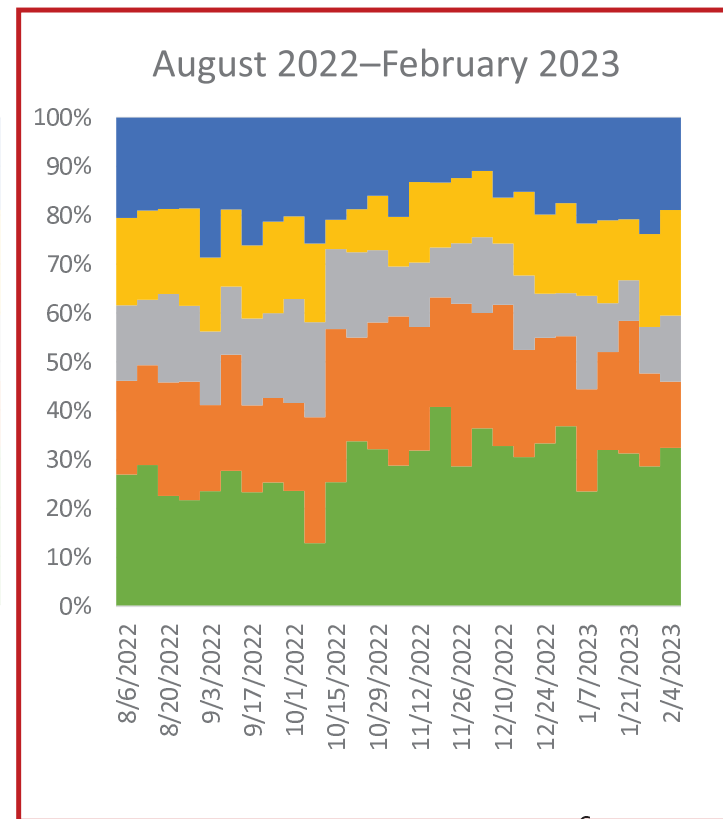
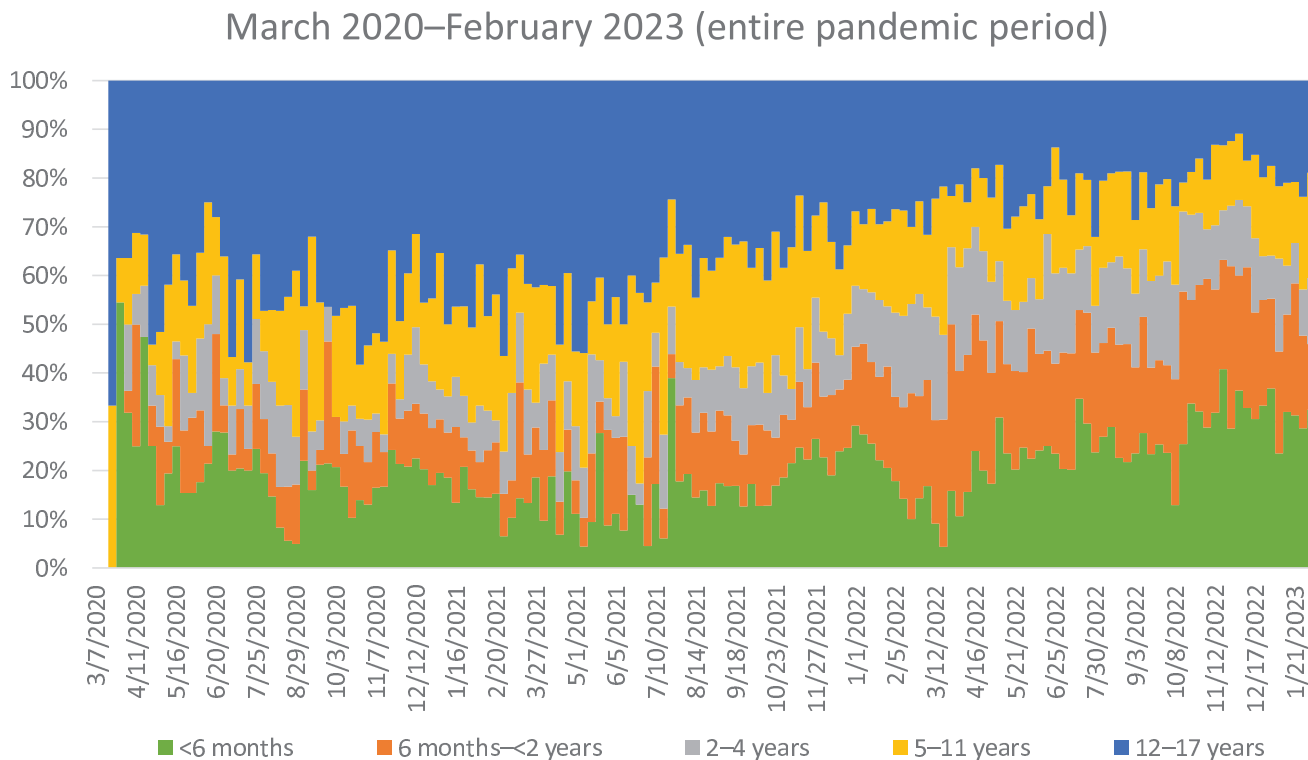
March 2020–February 2023 (entire pandemic period)



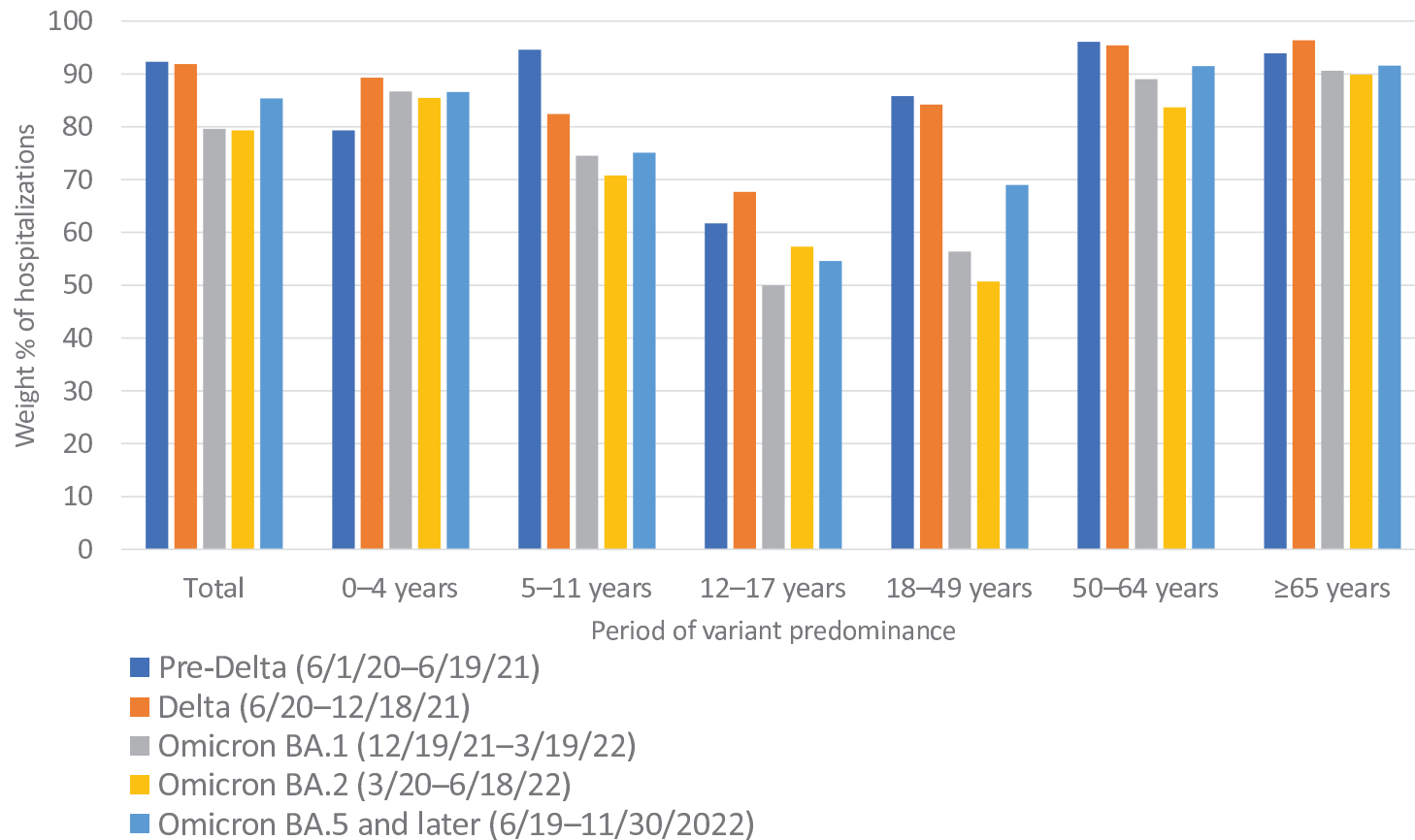
August 2022–February 2023



# Weekly Proportions of COVID-19-Associated Hospitalizations by Pediatric Age Group — COVID-NET, March 2020–February 2023

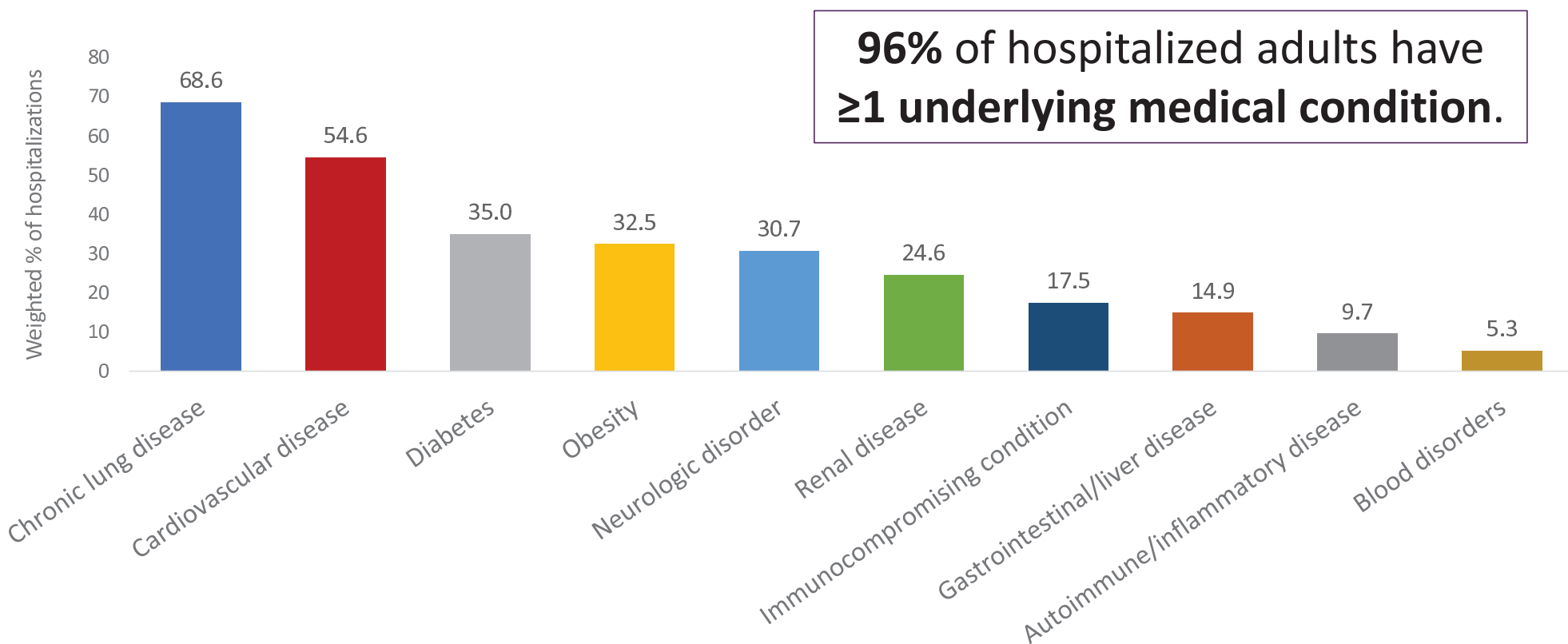


## Proportions of COVID-19-Associated Hospitalizations with COVID-19 as a Likely Reason for Admission by Age and Variant Predominance Period — COVID-NET, June 2020–November 2022



- Many **children ages  $\leq 4$  years** and **adults ages  $\geq 50$  years** are still admitted for COVID.
- Adolescents and younger adults (**ages 12–49 years**) are less likely to be admitted for COVID.

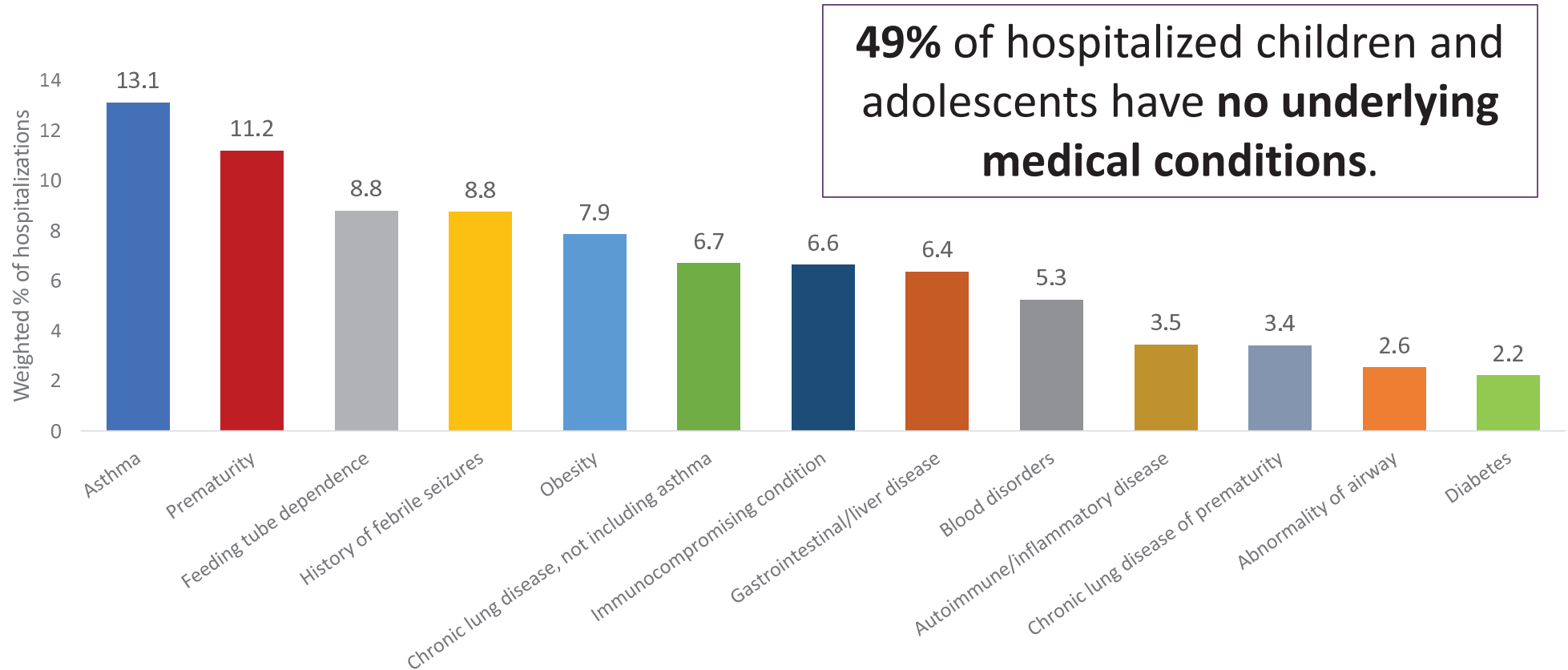
# Underlying Medical Conditions among Non-Pregnant Adults Ages $\geq 18$ Years — COVID-NET, June–November 2022



Data are limited to hospitalizations where COVID-19 is a likely primary reason for admission.

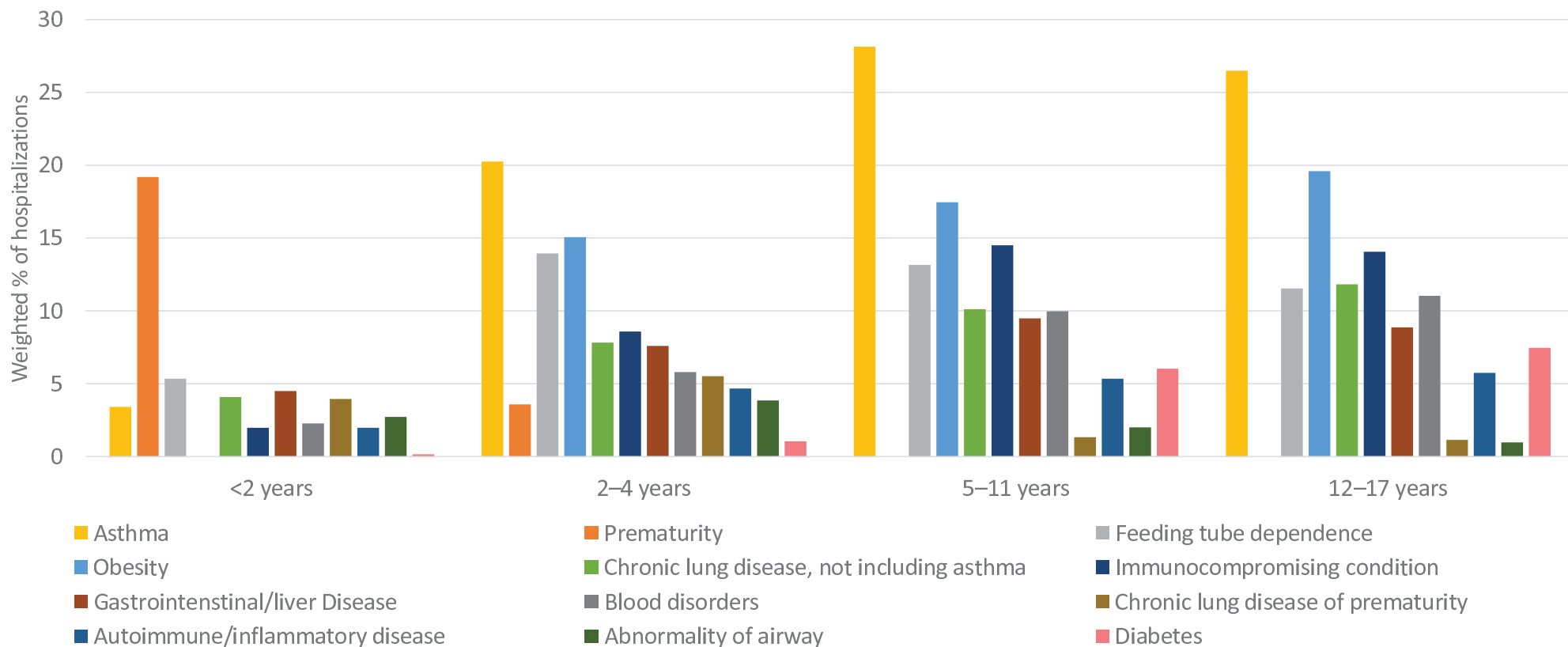


# Underlying Medical Conditions among Children and Adolescents Ages $\leq 17$ Years — COVID-NET, June–November 2022



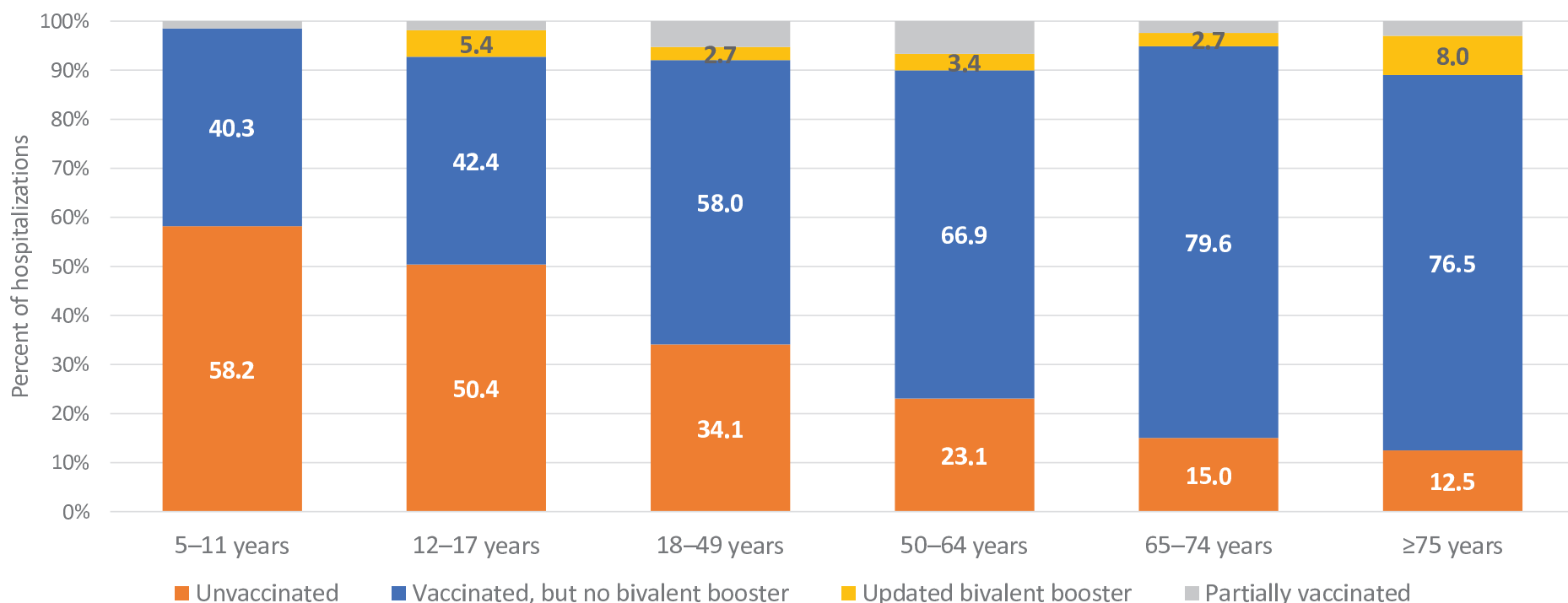
Data are limited to hospitalizations where COVID-19 is a likely primary reason for admission.

# Underlying Medical Conditions among Children and Adolescents by Age Group — COVID-NET, June–November 2022



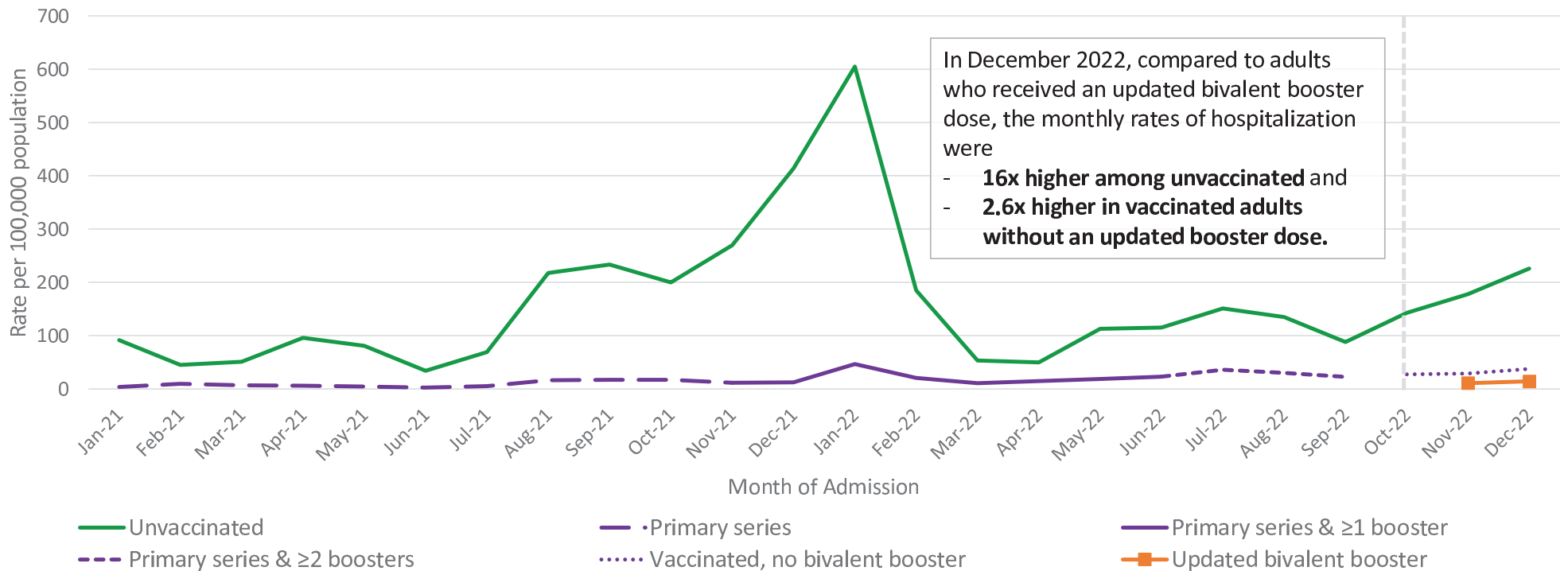
Data are limited to hospitalizations where COVID-19 is a likely primary reason for admission.

# Vaccination Status by Age Group among Non-Pregnant Adults Ages ≥18 Years — COVID-NET, October–November 2022



Data are limited to hospitalizations where COVID-19 is a likely primary reason for admission. **Unvaccinated:** No recorded doses of COVID-19 vaccine. **Vaccinated, but no bivalent booster:** Completed a primary series with or without ≥1 booster dose but did not receive an updated bivalent booster dose. **Updated bivalent booster:** Received updated bivalent booster dose. **Partially vaccinated:** Received at least one dose of COVID-19 but was not considered fully vaccinated at the time of a positive SARS-CoV-2 test. Persons with unknown vaccination status are excluded.

## Monthly Age-Adjusted Rates of Lab-Confirmed Hospitalizations by Vaccination Status among Adults Ages ≥18 Years — COVID-NET, January 2021–December 2022



Data are based on all hospitalizations regardless of reason for admission. **Unvaccinated:** No recorded doses of COVID-19 vaccine. **Primary series ± ≥1 booster:** Completed a primary series with or without ≥1 booster dose but did not receive an updated bivalent booster dose. **Vaccinated, but no bivalent booster:** Completed a primary series with or without ≥1 booster dose but did not receive an updated bivalent booster dose. **Updated bivalent booster:** Received updated bivalent booster dose. Persons with partial or unknown vaccination status are excluded. See <https://covid.cdc.gov/covid-data-tracker/#covidnet-hospitalizations-vaccination> for complete definitions of vaccination categories.

# Acknowledgments

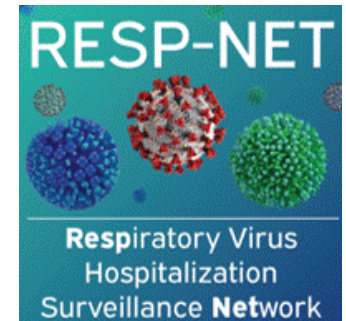
## Coronaviruses and Other Respiratory Viruses Division (CORVD) (proposed): RESP-NET Team (COVID-NET/RSV-NET):

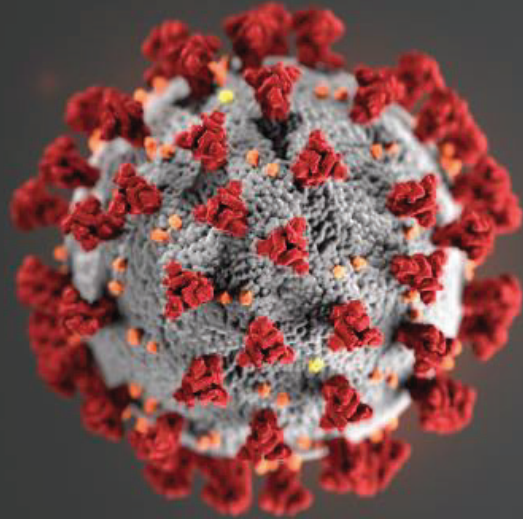
- Fiona Havers
- Huong Pham
- Michael Whitaker
- Kadam Patel
- Jenny Milucky
- Onika Anglin
- Bhoomija Chatwani

**Many others in CORVD....**

- **State, Local, and Territorial health Department partners**
- **RESP-NET partners**

*Thank you.*





For more information, contact CDC  
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TTY: 1-888-232-6348 [www.cdc.gov](http://www.cdc.gov)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

