

Trends in the Number of Hospital-reported COVID-19 Pediatric Admissions

A report from the American Academy of Pediatrics
June 2024

Summary of admission data reported by hospitals to the
US Department of Health and Human Services
September 2020 - April 2024

Description of Data and Methods

Data Source:

The COVID-19 hospital admission data used in this report are drawn from the public data files:

- “COVID-19 Reported Patient Impact and Hospital Capacity by State Timeseries” published by the U.S. Department of Health & Human Services (HHS).
- The public data and method details can be accessed at <https://healthdata.gov/Hospital/COVID-19-Reported-Patient-Impact-and-Hospital-Capa/g62h-syeh>.

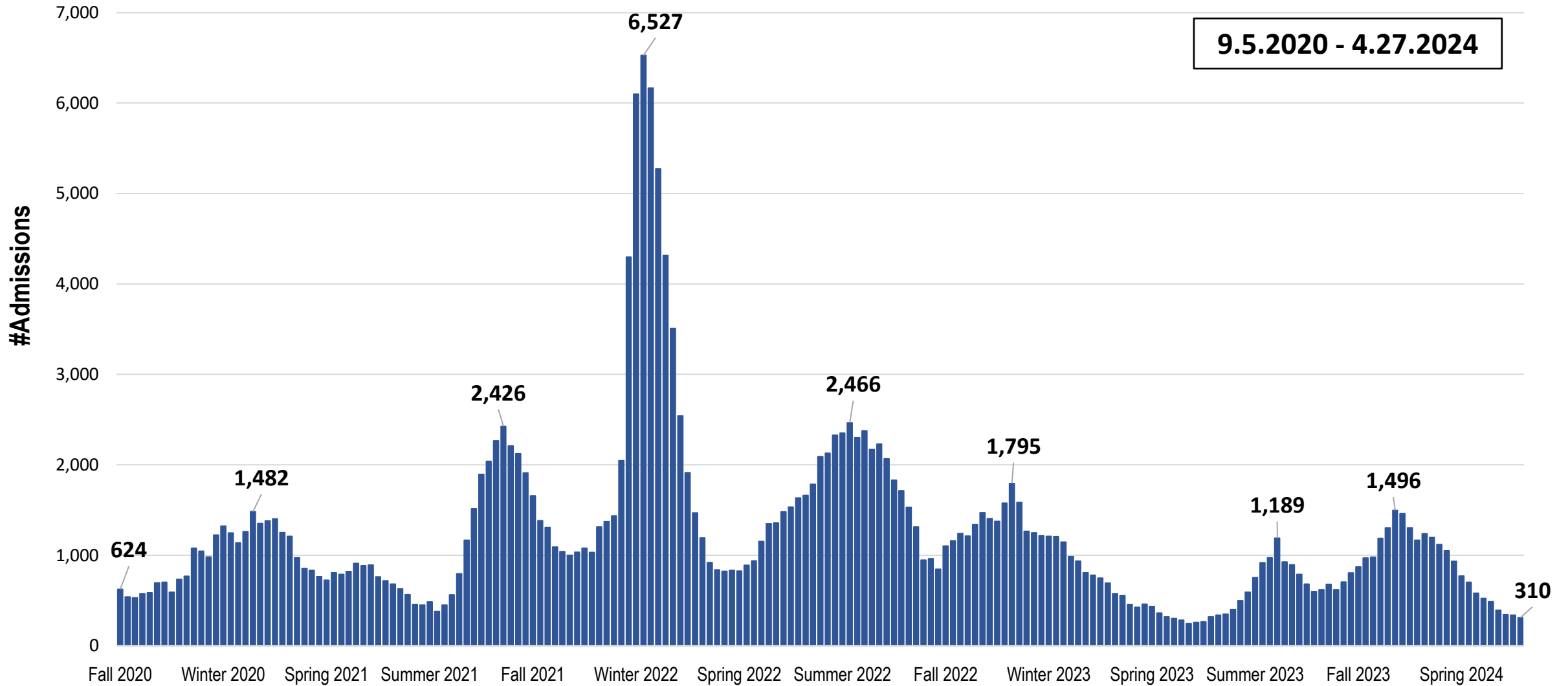
Summary of Content:

During the COVID-19 Pandemic, beginning in September 2020 and through April 2024, US Hospitals were required by HHS to report the number of patients admitted with confirmed or suspected COVID-19 infections by age group.

From September 2020 to December 2021 admissions were reported for children under age 18. Beginning in January 2022 hospitals were required to further break down reports of child COVID admissions by age groups (0-4, 5-11, and 12-17 years)

Other data elements hospitals were required to report beginning in January 2022 included number of available and occupied pediatric hospital beds.

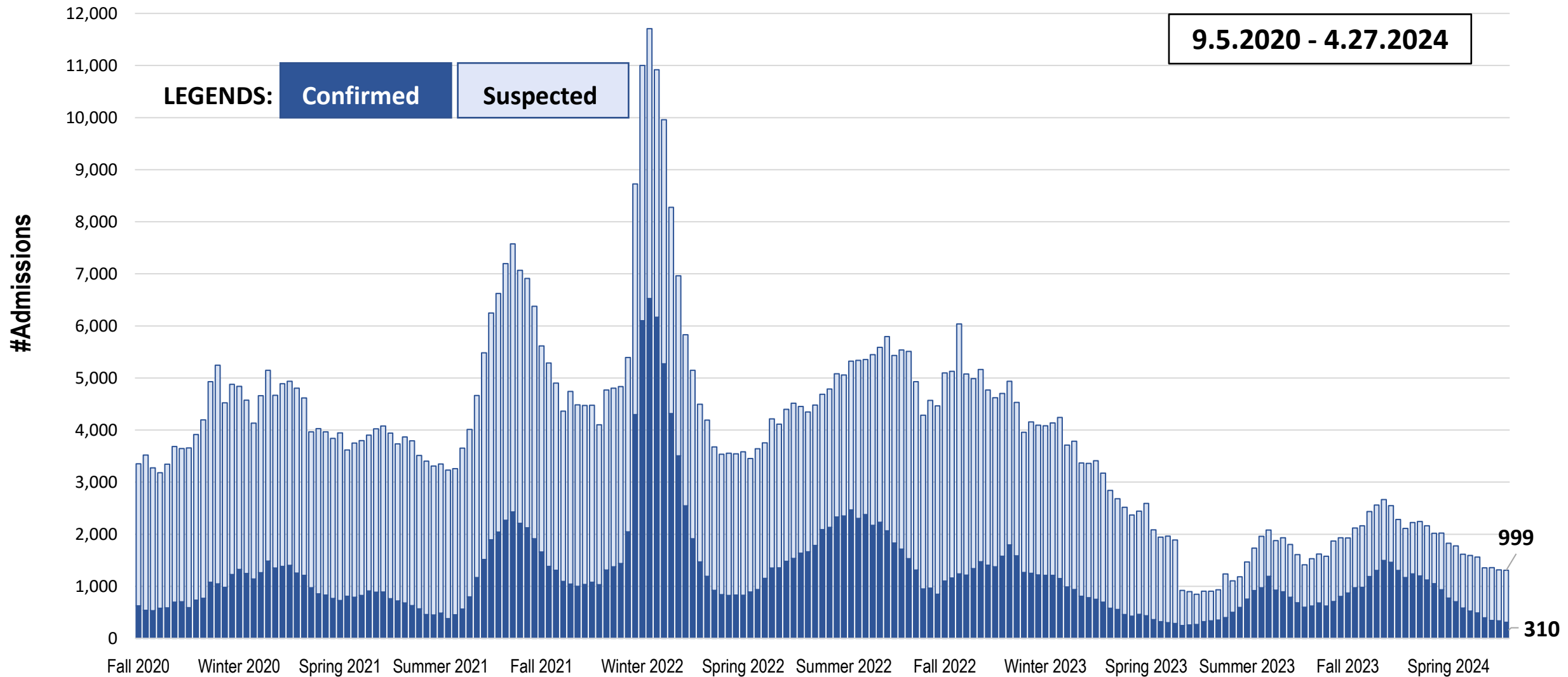
Confirmed COVID-19 Past-week Pediatric Hospital Admissions (Age < 18)



Source: AAP Research analysis of "COVID-19 Reported Patient Impact and Hospital Capacity by State Timeseries", U.S. Department of Health & Human Services

<https://healthdata.gov/Hospital/COVID-19-Reported-Patient-Impact-and-Hospital-Capa/g62h-syeh>

Confirmed and Suspected COVID-19 Past-week Pediatric Hospital Admissions (Age < 18)



Source: AAP Research analysis of "COVID-19 Reported Patient Impact and Hospital Capacity by State Timeseries", U.S. Department of Health & Human Services

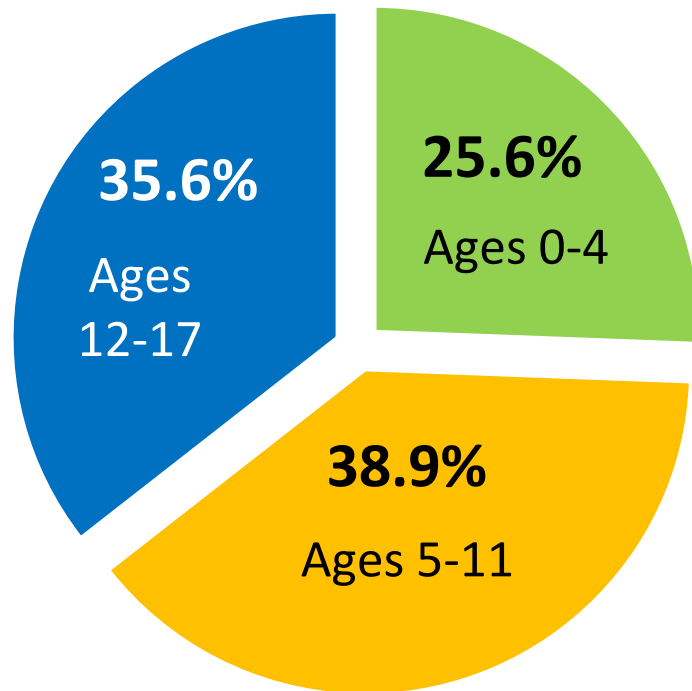
<https://healthdata.gov/Hospital/COVID-19-Reported-Patient-Impact-and-Hospital-Capa/g62h-syeh>

Number of Confirmed and Suspected COVID-19 Pediatric Hospital Admissions September 2020 - April 2024

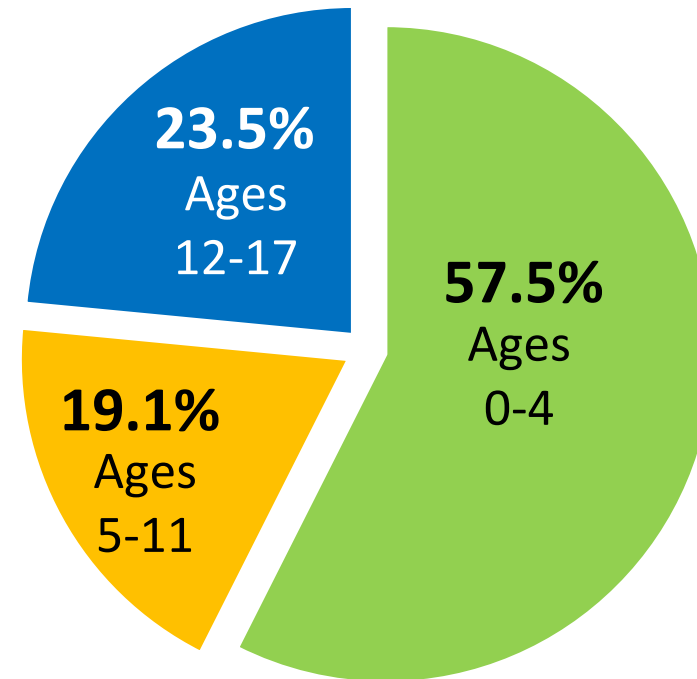
	Confirmed	Suspected	<i>Total Pediatric</i>
Fall 2020 (Sep-Nov)	9,451	41,015	50,466
Winter 2020/2021 (Dec-Feb)	16,098	44,039	60,137
Spring 2021 (Mar-May)	10,217	40,039	50,256
Summer 2021 (Jun-Aug)	13,027	44,915	57,942
Fall 2021	19,294	51,084	70,378
Winter 2021/2022	46,811	51,527	98,338
Spring 2022	14,063	36,094	50,157
Summer 2022	27,055	37,409	64,464
Fall 2022	17,265	49,585	66,850
Winter 2022/2023	17,494	39,614	57,108
Spring 2023	7,551	29,015	36,566
Summer 2023	5,520	10,464	15,984
Fall 2023	10,351	12,766	23,117
Winter 2023/2024	15,401	14,157	29,558
Spring 2024 (Mar-Apr)	4,448	9,264	13,712
Total	234,046	510,987	745,033

Source: AAP Research analysis of “COVID-19 Reported Patient Impact and Hospital Capacity by State Timeseries”, U.S. Department of Health & Human Services
<https://healthdata.gov/Hospital/COVID-19-Reported-Patient-Impact-and-Hospital-Capa/g62h-syeh>

US Child Population by Age Group



COVID-19 Confirmed Pediatric Hospital Admissions by Pediatric Age Group, January 29, 2022 - April 26, 2024



Source: AAP Research analysis of:

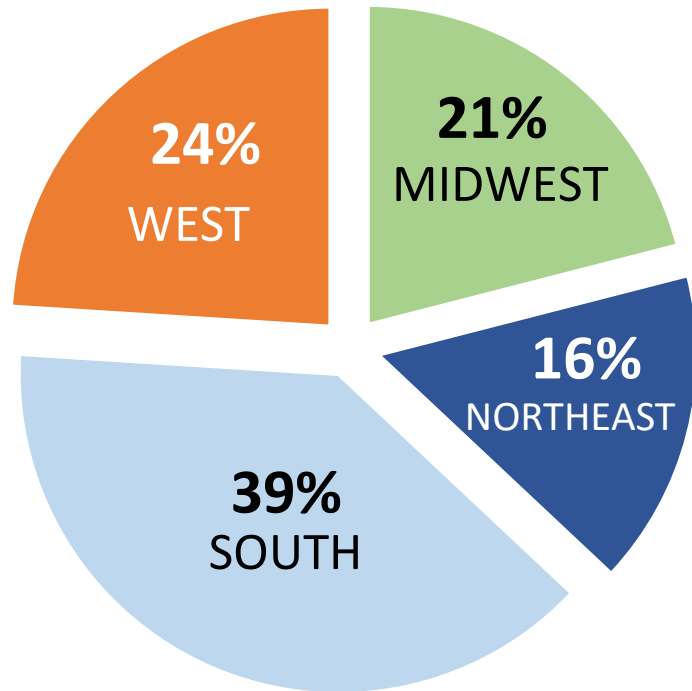
(i) "COVID-19 Reported Patient Impact and Hospital Capacity by State Timeseries", U.S. Department of Health & Human Services

<https://healthdata.gov/Hospital/COVID-19-Reported-Patient-Impact-and-Hospital-Capa/g62h-syeh>

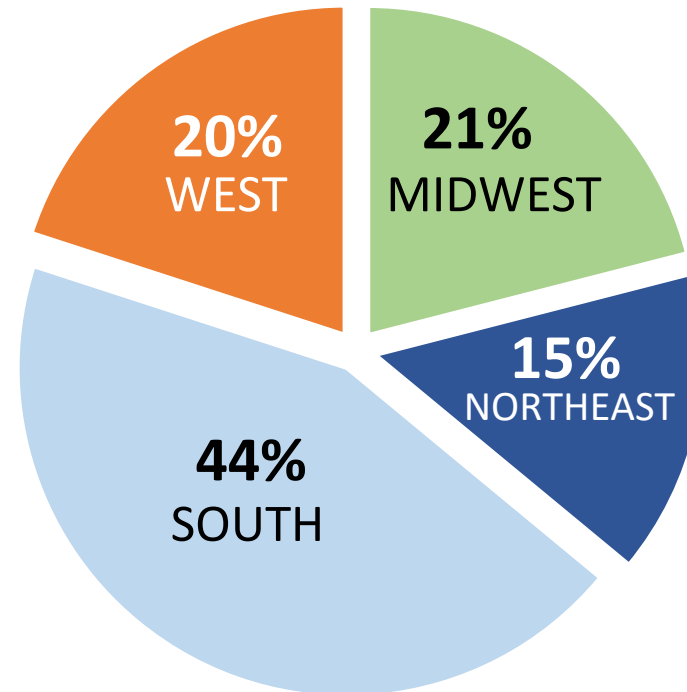
(ii) Vintage 2022 population estimates, Population Division, US Census Bureau

<https://datacenter.aecf.org/data/tables/101-child-population-by-age-group#detailed/1/any/false/1095,2048,574,1729,37,871,870,573,869,36/62,63,64,6,4693/419,420>

US Child Population by Region



COVID-19 Confirmed Pediatric Hospital Admissions by Region, September 2020 - April 2024



Source: AAP Research analysis of:

(i) "COVID-19 Reported Patient Impact and Hospital Capacity by State Timeseries", U.S. Department of Health & Human Services

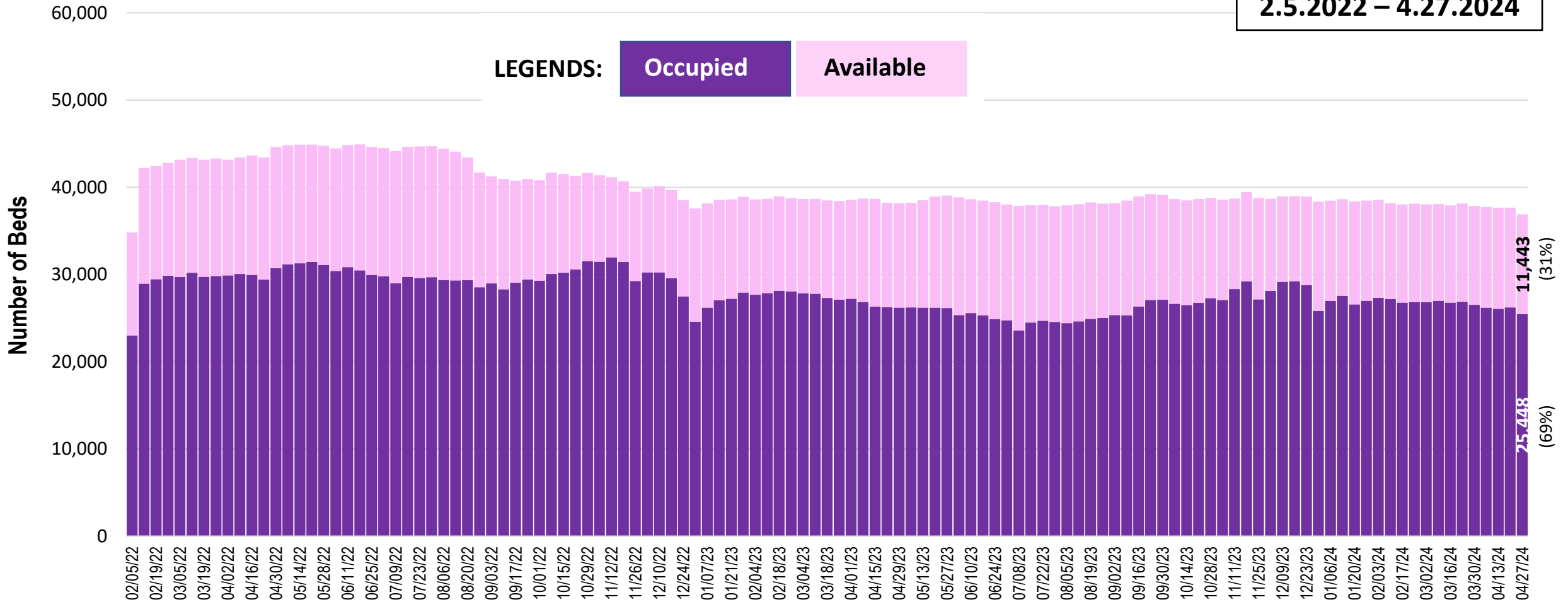
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Occupancy and Availability of Inpatient Pediatric Beds, 50 States and District of Columbia, Past-week Average

2.5.2022 – 4.27.2024

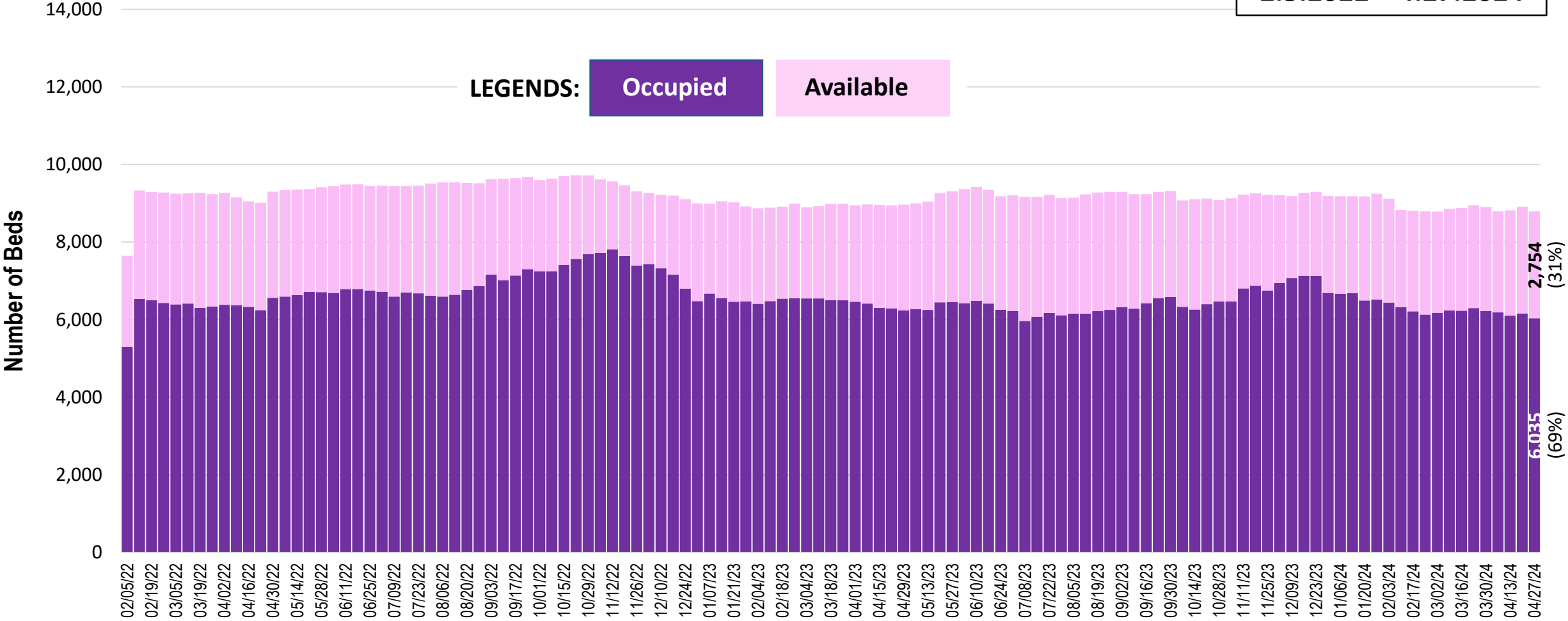


Source: AAP Research analysis of “COVID-19 Reported Patient Impact and Hospital Capacity by State Timeseries”, U.S. Department of Health & Human Services
<https://healthdata.gov/Hospital/COVID-19-Reported-Patient-Impact-and-Hospital-Capa/g62h-syeh>

Occupancy and Availability of Pediatric ICU Beds,

50 States and District of Columbia, Past-week Average

2.5.2022 – 4.27.2024



Source: AAP Research analysis of "COVID-19 Reported Patient Impact and Hospital Capacity by State Timeseries", U.S. Department of Health & Human Services
<https://healthdata.gov/Hospital/COVID-19-Reported-Patient-Impact-and-Hospital-Capa/g62h-syeh>

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