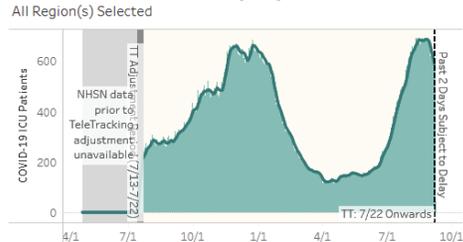


STATE LEGISLATOR UPDATE IMPACT OF THE DELTA VARIANT ON MISSOURI HOSPITALS:

**ICU Utilization Outpaces Previous Surges;
Staffing Constraints Continue to be Greatest Challenge**

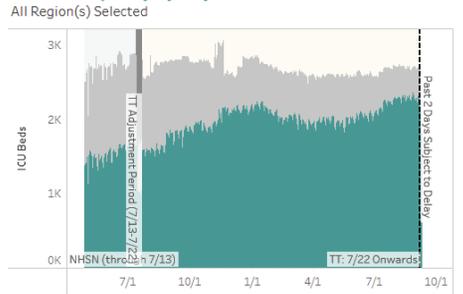
Despite promising signals during early spring 2021, lower vaccination rates and the emergence of the Delta variant have resulted in a fourth wave of case growth and hospitalizations. The new surge first occurred in Missouri's Northwest region, migrated to the Southwest region and continued to spread resulting in a statewide impact. As reported by hospital leaders, unvaccinated patients hospitalized with the Delta variant of SARS-CoV-2 are younger and progress more quickly to require intensive care and ventilator support. Staffing shortages, limited ICU bed availability, the inability to transfer patients requiring higher levels of care, and timely access to COVID-19 medication are the primary challenges hospitals are facing.

COVID-19 Patients in ICU by Day
All Region(s) Selected



Legend: COVID-19 ICU Hospitalizations by Day
■ COVID-19 Patients in ICU
■ 7-Day Average
 Source: Missouri Department of Health & Senior Services

ICU Bed Capacity by Day
All Region(s) Selected



Legend: ICU Bed Capacity by Day
■ Total ICU Beds
■ Total ICU Beds Occupied
 Source: Missouri Department of Health & Senior Services

Suspected & Confirmed COVID+ Patients		CEN	KC	NE	NW	STL	SE	SW	MO
Inpatient Admissions	2020 Peak	248	644	84	143	1,238	184	524	2,862
	June 2021 Daily Avg.	66	146	7	23	268	7	254	770
	Sep. 1-7 Daily Avg.	161	506	27	57	795	116	392	2,063
	Sep. 1-7 % of 2020 Peak	65%	79%	32%	40%	64%	63%	75%	72%
	Sep. 1-7 % Ch. from June Avg.	146%	247%	280%	144%	197%	1658%	54%	168%
ICU Admissions	2020 Peak	64	139	50	17	290	44	174	685
	June 2021 Daily Avg.	19	33	1	4	57	1	83	198
	Sep. 1-7 Daily Avg.	48	137	11	11	190	36	143	581
	Sep. 1-7 % of 2020 Peak	74%	98%	23%	66%	65%	82%	82%	85%
	Sep. 1-7 % Ch. from June Avg.	147%	314%	669%	207%	235%	3514%	72%	193%

Source: MHA analysis of HHS Protect TeleTracking data, 7/16/2020 through 9/7/2021

! 98 ventilators from the Missouri Statewide Ventilator Cache Program and the 72-capacity portable morgue managed by MHA have been deployed during the Delta surge.

<p>Current weekly vaccine doses administered:</p> <p>68,720 (as of 9/7/21)</p>	<p>Weekly vaccine doses administered:</p> <p>Week of June 1: 74,939</p> <p>Week of May 3: 26,037</p> <p>Week of April 2: 41,784</p>	<p>% that has initiated vaccination:</p> <p>52.5% (as of 9/7/21)</p>	<p>% that has completed vaccination:</p> <p>46.0% (as of 9/7/21)</p>
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Source: DHSS vaccine dashboard

IN THE NEWS

[COVID-19 is crushing this corner of rural America. Getting the vaccine can still feel like an act of treason](#)

- AP, 9/9/21 -

[Missouri left mask rules up to school districts. Parents say their kids are at risk](#)

- PBS, 9/8/21 -

[‘We’re dealing with unprecedented challenges’: Pediatric cancer patient’s family advocates for COVID vaccines](#)

- KSDK.com, 9/8/21 -

[Mercy doctor sees patients with Ivermectin poisoning in rural Missouri hospitals](#)

- KMOV.com, 9/7/21 -

[State issues COVID-19 ‘hot spot advisory’ for two metro St. Louis counties](#)

- St. Louis Post-Dispatch, 9/9/21 -

[Unvaccinated people are 11 times more likely to die of COVID-19, new research finds](#)

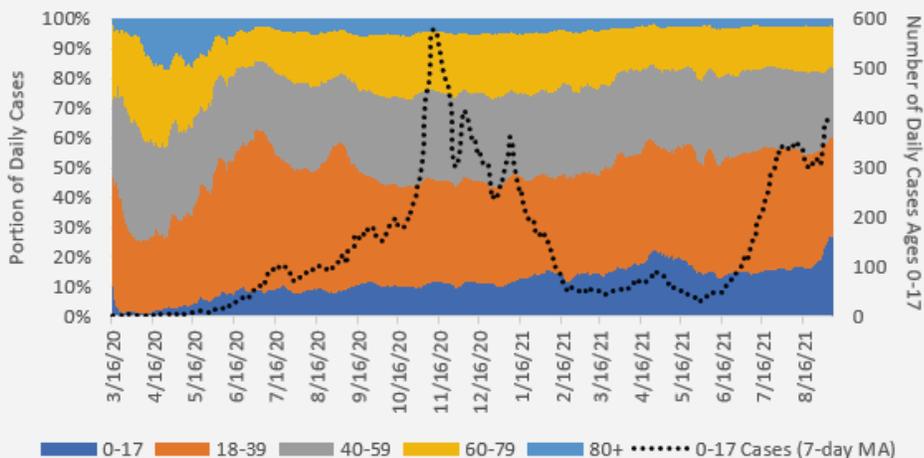
- NPR.org, 9/10/21 -

THE FOLLOWING ARE EXCERPTS FROM MHA’S WEEKLY DATA SPOTLIGHT

As Schools Resume, Children Account for Record Portions of COVID-19 Cases in Missouri September 7, 2021

The American Academy of Pediatrics and the Children’s Hospital Association released a [report](#) that found children accounted for 22% of new COVID-19 cases in the U.S. during the week ending Aug. 26. In Missouri, children ages 0 to 17 accounted for more than one-quarter of all new cases last week, the highest portion recorded throughout the pandemic. Through August, children accounted for 11.8% of total COVID-19 cases in Missouri throughout the pandemic. During the first week of September, however, they accounted for more than one in four new cases — a 113% relative increase — while all other age groups have accounted for a smaller portion of new cases.

Daily Portion of Confirmed COVID-19 Cases in Missouri by Age Group
(Mar. 16, 2020 - Sep. 6, 2021)



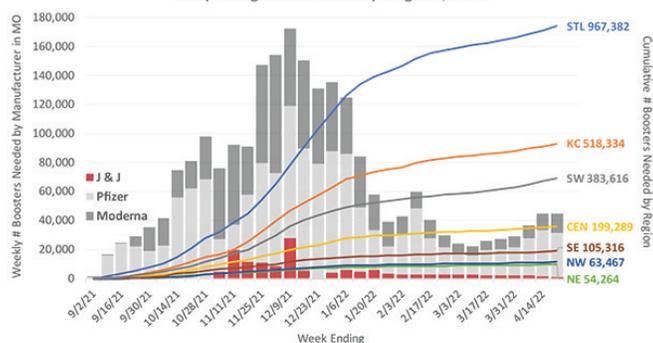
For the latest data on COVID-19 cases among children in Missouri by school district, see the Missouri Department of Health and Senior Services’ [School Districts dashboard](#), jointly developed by MHA, the Missouri Department of Elementary and Secondary Education, and the Missouri School Boards Association.

Federal Officials Announce Proactive Plan For COVID-19 Boosters

August 24, 2021

Using the Missouri Department of Health and Senior Services ShowMeVax data to project the weekly number of booster shots needed by Missourians, the largest number of doses required to complete boosters at the recommended eight-month interval will coincide with the upcoming holiday season, between late November 2021 and early January 2022. This analysis is assuming all vaccinated individuals will need a booster dose. The actual rollout will depend on a review by the CDC’s Advisory Committee on Immunization Practice, and emergency use authorization from the U.S. Food and Drug Administration.

Projected Number of COVID-19 Booster Doses Needed in Missouri for Individuals
Completing Vaccination by Aug. 22, 2021



Source: MHA analysis of DHSS ShowMeVax Data