

JACKSON COUNTY LEGISLATURE COVID UPDATE

August 30, 2021



JACKSON COUNTY HEALTH DEPARTMENT

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COVID-19 TRENDS



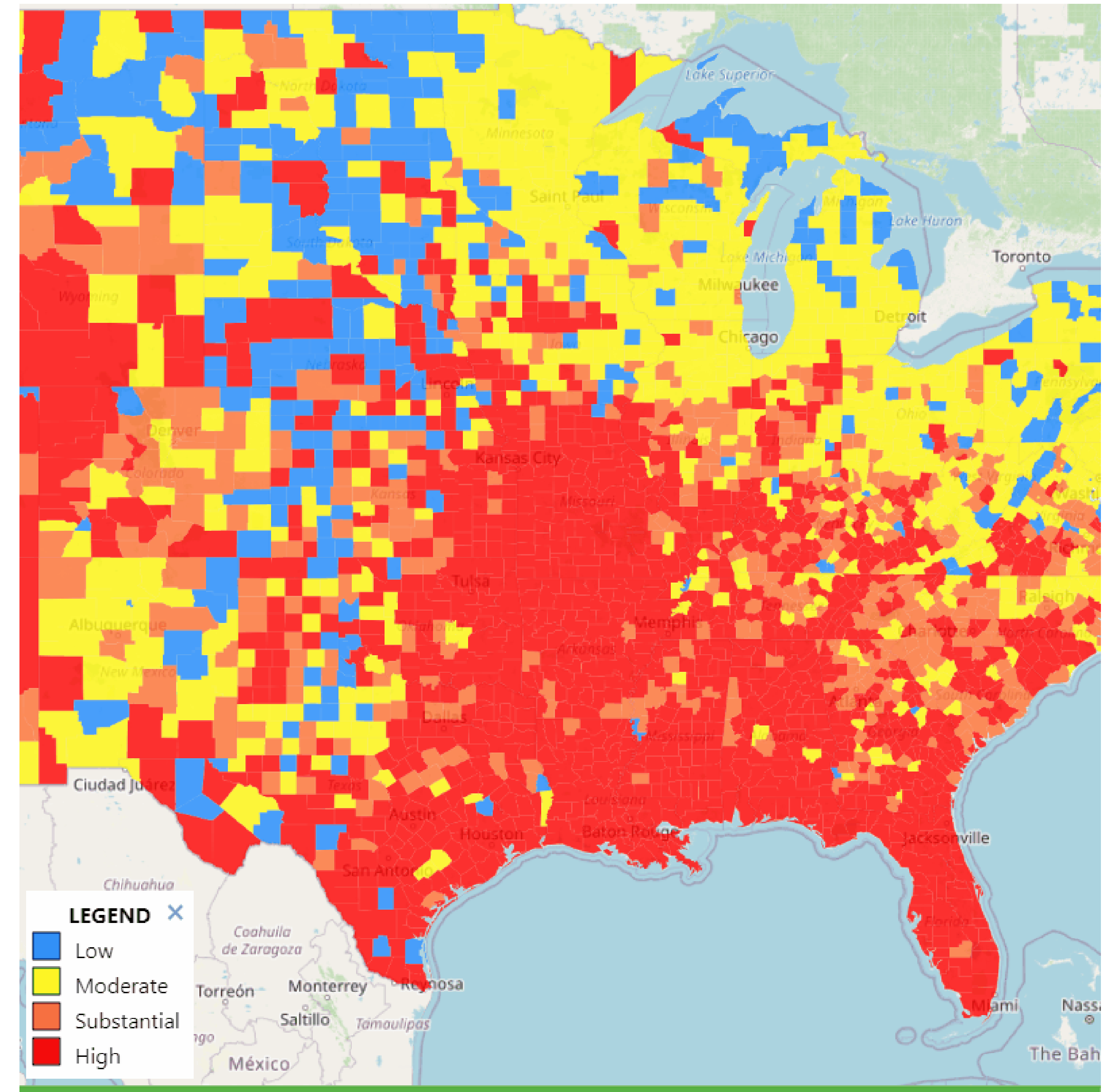
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STATE WIDE

- 100% of Missouri Counties are currently experiencing “High” transmission levels per CDC classification.

Indicator	Low Transmission (Blue)	Moderate Transmission (Yellow)	Substantial Transmission (Orange)	High Transmission (Red)
Total new cases per 100,000 persons in the past 7 days	0-9.99	10-49.99	50-99.99	>100
			309.37 per 100,000	
Percentage of NAATs that are positive during the past 7 days	0-4.99%	5-7.99%	8-9.99%	>10.0%
				14.31%



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COVID-19 | PHASED PREVENTION | LEVELS OF COMMUNITY TRANSMISSION | ALL COUNTIES | 07/22/2021

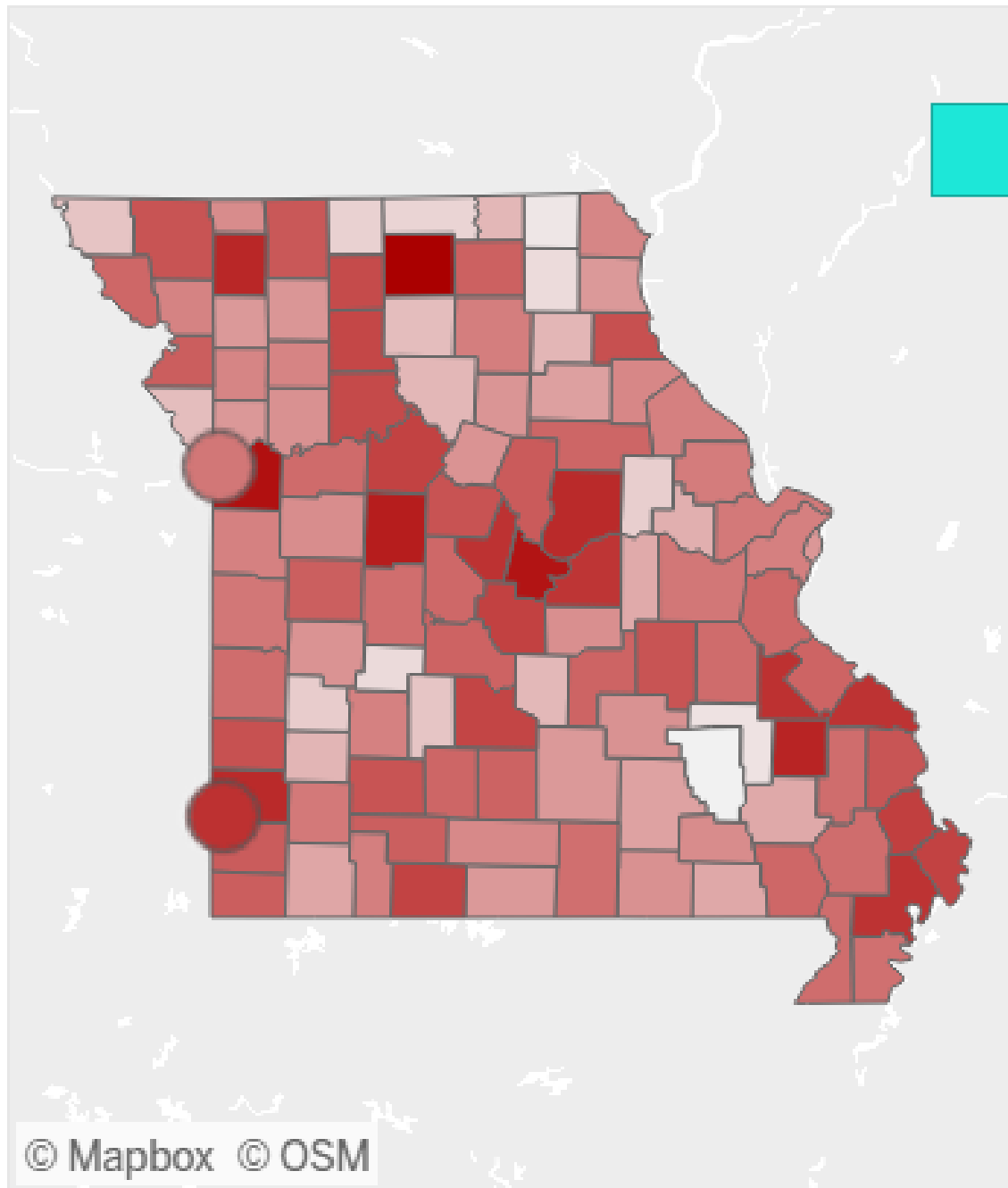


Explore more data at ephtracking.cdc.gov/DataExplorer

Source: <https://covid.cdc.gov/covid-data-tracker/#county-view>

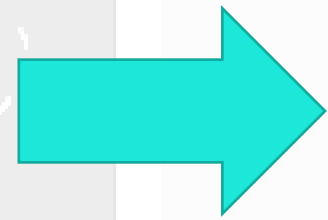
Cases by Jurisdiction to Date

Colored by Per 100k



Sorted by Cases (Per 100k)

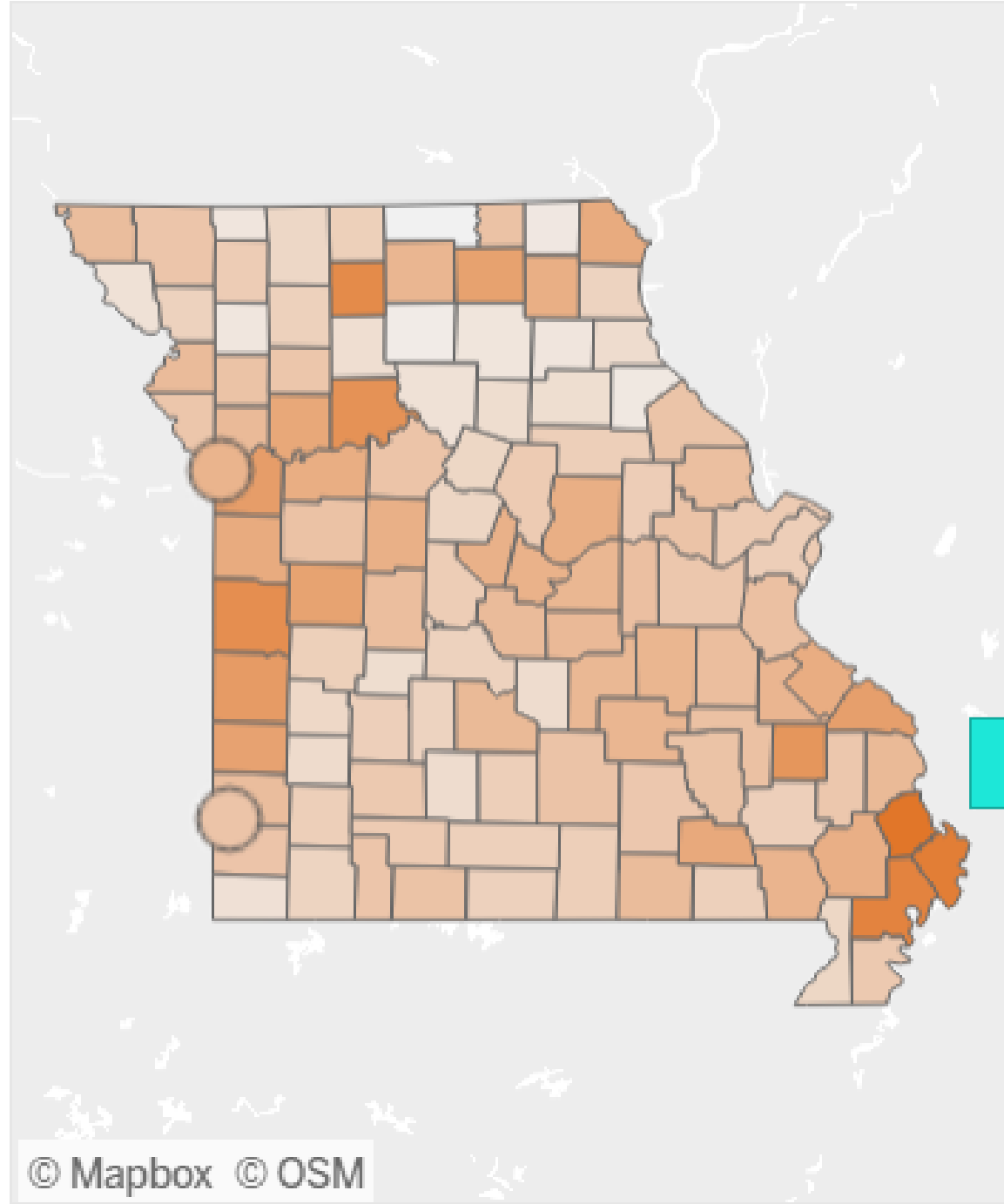
Colored by Total Volume



SULLIVAN	1	15,947
JACKSON	2	14,935
COLE	3	14,727
PETTIS	4	14,233
MADISON	5	13,840
GENTRY	6	13,651
JASPER	7	13,497
CALLAWAY	8	13,488
ST FRANCOIS	9	13,170
JOPLIN	10	13,161
MONITEAU	11	13,111
NEW MADRID	12	13,036
PERRY	13	13,033
OSAGE	14	12,920

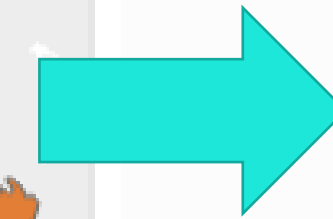
Past 7 Days: Cases by Juris.

Colored by Per 100k



Sorted by Cases (Per 100k)

Colored by Total Volume



SCOTT	1	530
MISSISSIPPI	2	493
NEW MADRID	3	468
GRUNDY	4	437
BATES	5	420
CARROLL	6	403
MADISON	7	389
VERNON	8	365
JACKSON	9	354
PERRY	10	345
ADAIR	11	335
BARTON	12	332
HENRY	13	330

As of August 25, 2021: <https://health.mo.gov/living/healthcondiseases/communicable/novel-coronavirus/data/public-health/county.php>



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CASES

Confirmed Cases: 27,576

Probable Cases: 7,347

Deaths: 431

7-Day Average Daily New Cases

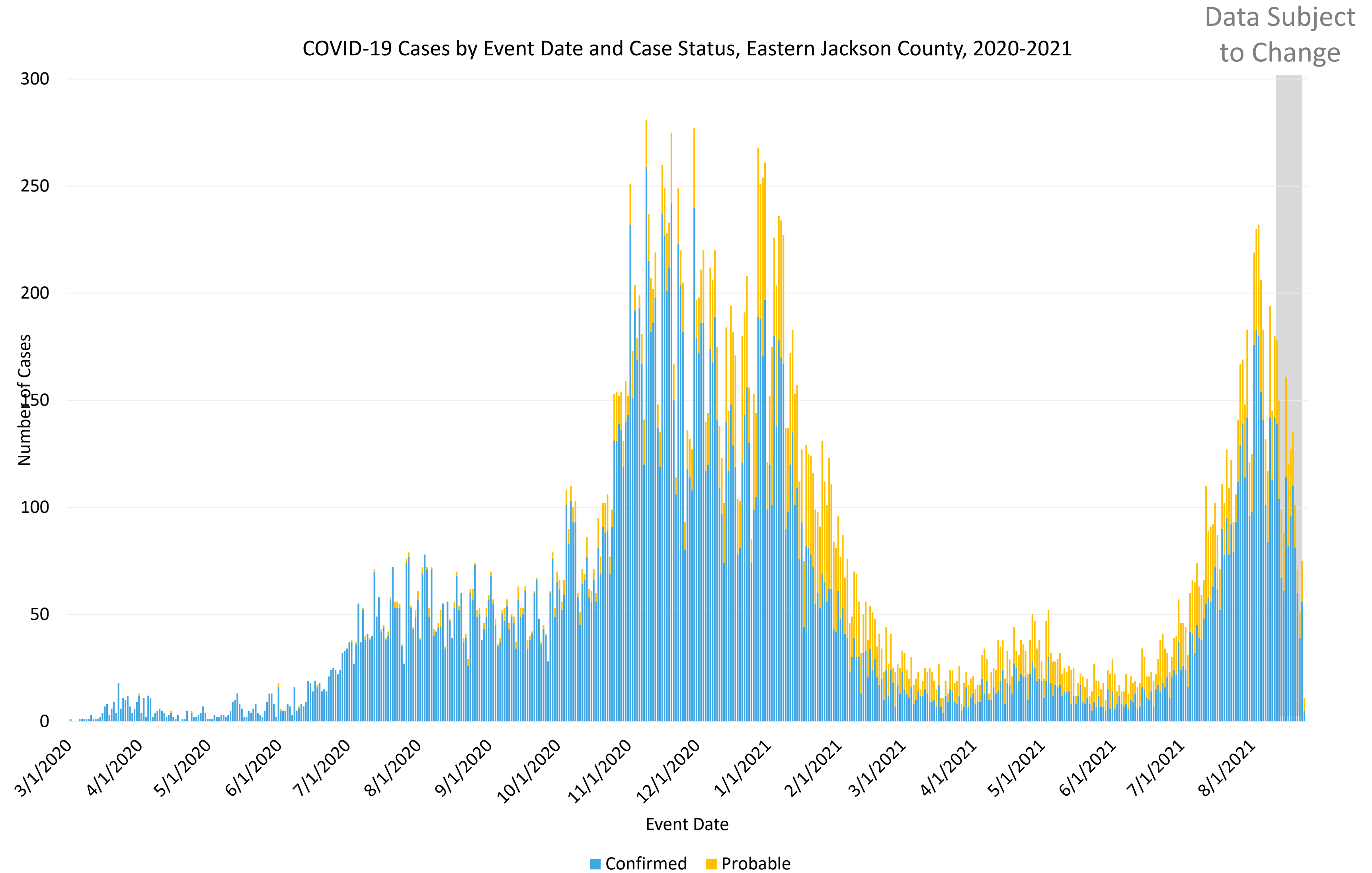
<u>Week</u>	<u>Average</u>
Week 7/18	105.00
Week 7/25	147.86
Week 8/1	189.57
Week 8/8	151.86
Week 8/15*	114.71*

7-Day Case Rate per 100,000

<u>Week</u>	<u>Case Rate</u>
Week 7/18	271.44
Week 7/25	381.93
Week 8/1	492.42
Week 8/8	396.66
Week 8/15*	309.37*



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*still receiving data and case reports – value incomplete.

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PERCENT POSITIVE

Tests Per Week

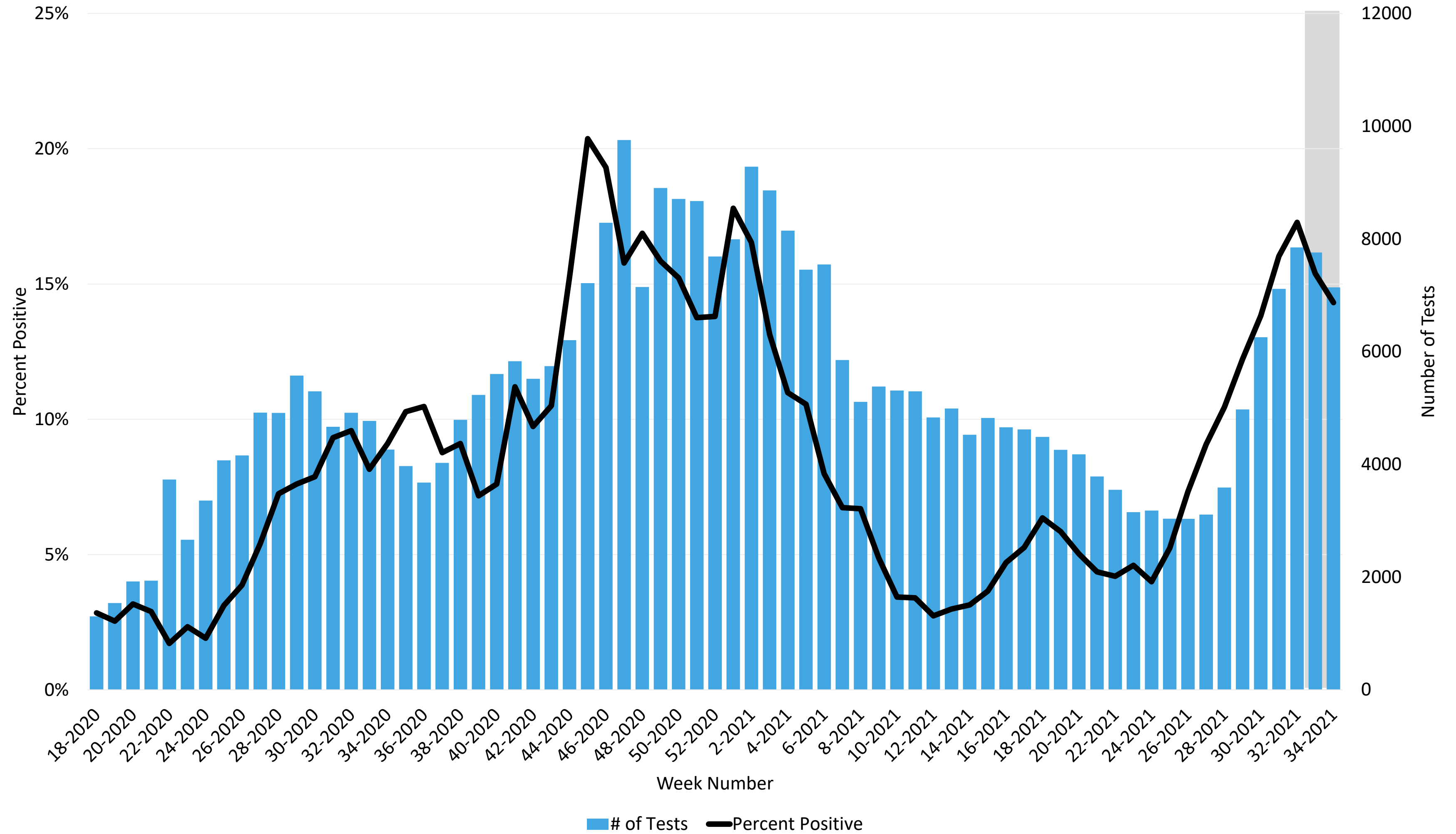
<u>Week</u>	<u>Count</u>
Week 7/18	6,256
Week 7/25	7,113
Week 8/1	7,849
Week 8/8	7,760
Week 8/15*	7,140*

Percent Positive

<u>Week</u>	<u>Count</u>
Week 7/18	13.83%
Week 7/25	16.03%
Week 8/1	17.28%
Week 8/8	15.39%
Week 8/15*	14.31%*

Data Subject

Percent Positive and Number of COVID-19 Specimens Collected by Week, Eastern Jackson County, 2020-2021 to Change



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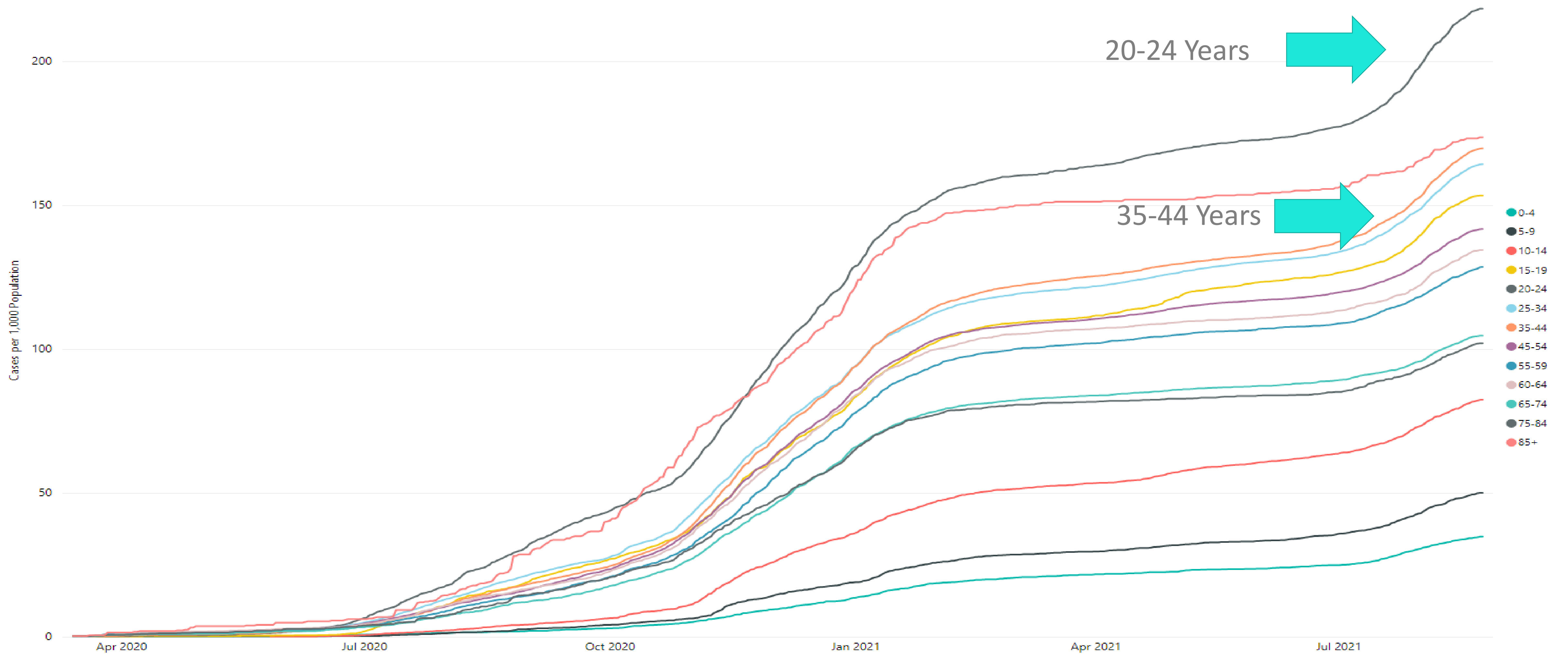
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*still receiving data and case reports – value incomplete.

Cumulative Case Rate Per 1,000 by Age Group

CUMULATIVE CASE RATE PER 1,000 POPULATION BY AGE GROUP, EASTERN JACKSON COUN...



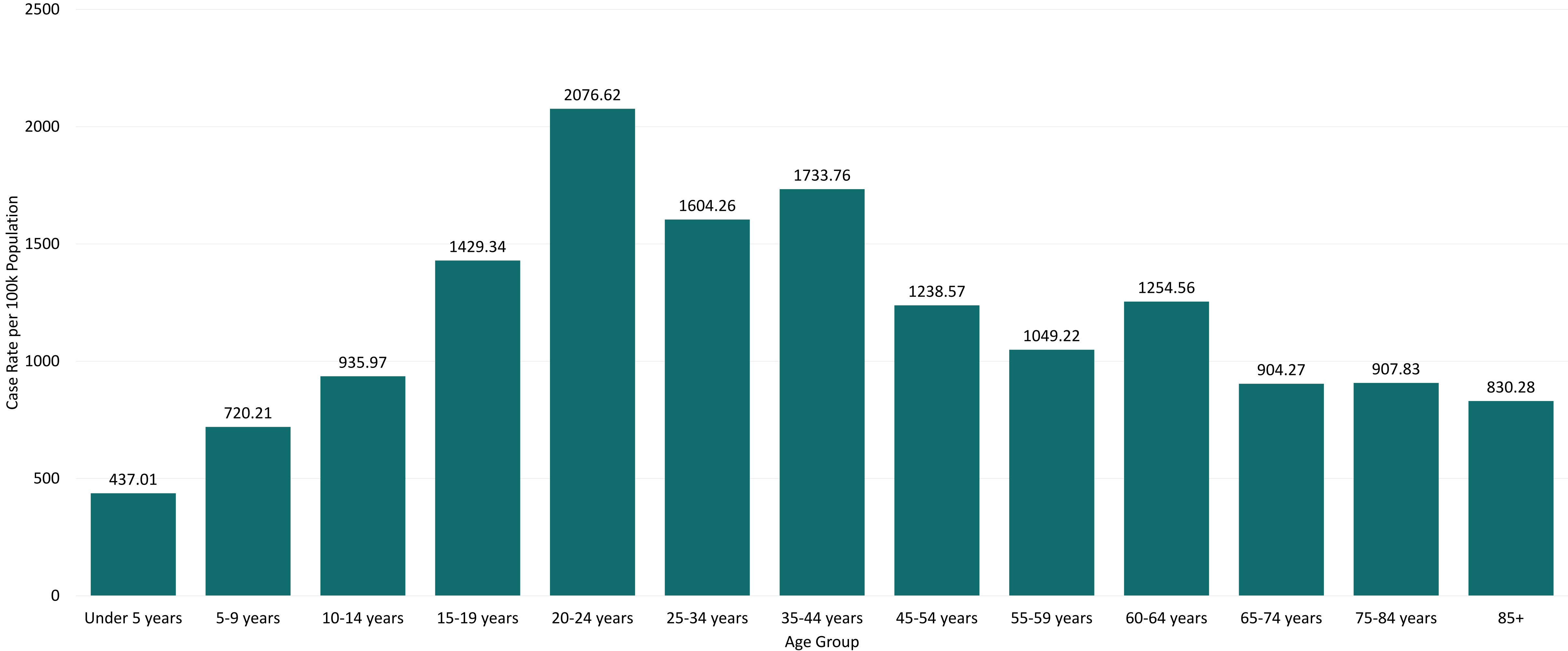
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COVID-19 Case Rate by Age Group

COVID-19 Case Rate per 100k Population by Age Group, Eastern Jackson County, August, 2021



VACCINATIONS

Total Vaccinated (TOTAL POP)

% Initiated	48.9%
% Completed	42.6%

Total Vaccinated (ELIGIBLE)

% Initiated	60.1%
% Completed	52.3%

- We are seeing a very recent uptick in people initiating the vaccination process. The largest uptick in recent vaccinations are being driven by the 10-14, 15-19, and 20-24 age groups.
- Teenagers (15-19) have overtaken adults, aged 25-34 in vaccine completion – despite the several month difference between eligibility.
- As a population, vaccination rates are inadequate – falling well short of 75-85%.

COVID-19 Vaccination Percentage Coverage by Age Group, EJC

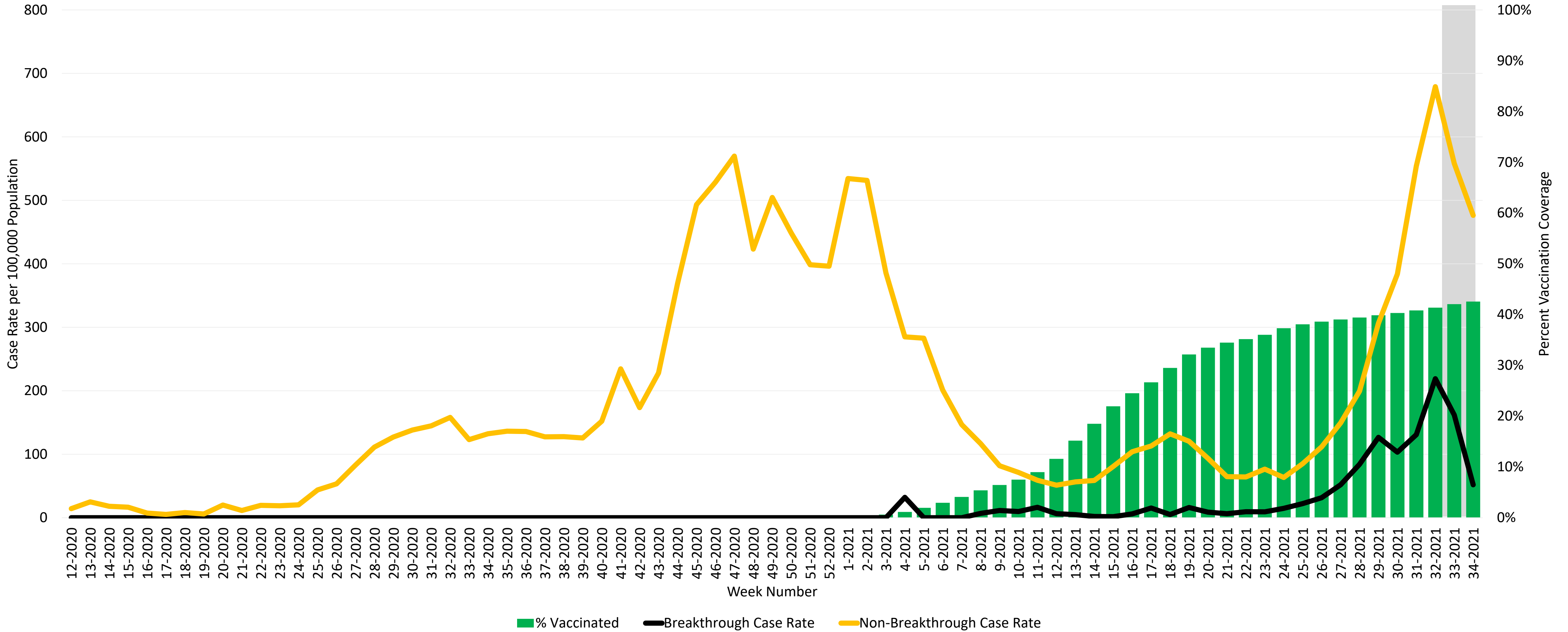
Age Group	Initiated Vaccination Series		Completed Vaccination Series	
	Percentage	% Change	Percentage	% Change
Under 5 years	0.00%	0.00%	0.00%	0.00%
5-9 years	0.01%	0.01%	0.00%	0.00%
10-14 years	23.40%	1.14%	17.31%	1.47%
15-19 years	49.60%	1.45%	39.65%	1.76%
20-24 years	54.71%	1.29%	44.49%	1.11%
25-34 years	44.70%	0.89%	37.26%	0.84%
35-44 years	54.14%	0.83%	46.23%	0.97%
45-54 years	53.63%	0.57%	46.80%	0.79%
55-59 years	58.52%	0.47%	51.77%	0.78%
60-64 years	79.20%	0.73%	71.40%	0.95%
65-74 years	81.81%	0.36%	75.96%	0.48%
75-84 years	83.36%	0.54%	77.42%	0.50%
85+	96.21%	0.68%	88.18%	0.83%



BREAKTHROUGH CASES

COVID-19 Vaccination Coverage Percentage and Case Rate per 100,000 Population by Week and Breakthrough Case Designation, Eastern Jackson County, 2020-2021

Data Subject to Change



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TRANSMISSION IN KIDS

- Children and adolescents can be infected with SARS-CoV-2, can get sick with COVID-19, and can spread the virus to others.
- National surveillance data from the United Kingdom (UK) shows an association between regional COVID-19 incidence and incidence in schools. For every five additional cases per 100,000 population in regional incidence, the risk of a school outbreak increased by 72%.
- Reducing transmission of SARS-CoV-2 in the community to alleviate burden on the health care system is dependent upon limiting transmission among youth in the school setting.

“We have learned a lot in the last 18 months of this pandemic and what we have really seen from our schools is that masks have really stopped in school transmission of COVID-19.”

**Dr. Jennifer Schuster
Pediatric Infectious Disease Specialist
Children’s Mercy**

Accessed 8/25/2021 via KU Medical Center COVID Update – 8/17/2021

<https://www.facebook.com/208729133103/videos/124064183198310>



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Source: Mid-America Regional Emergency Rescue Committee Report – Received August 25

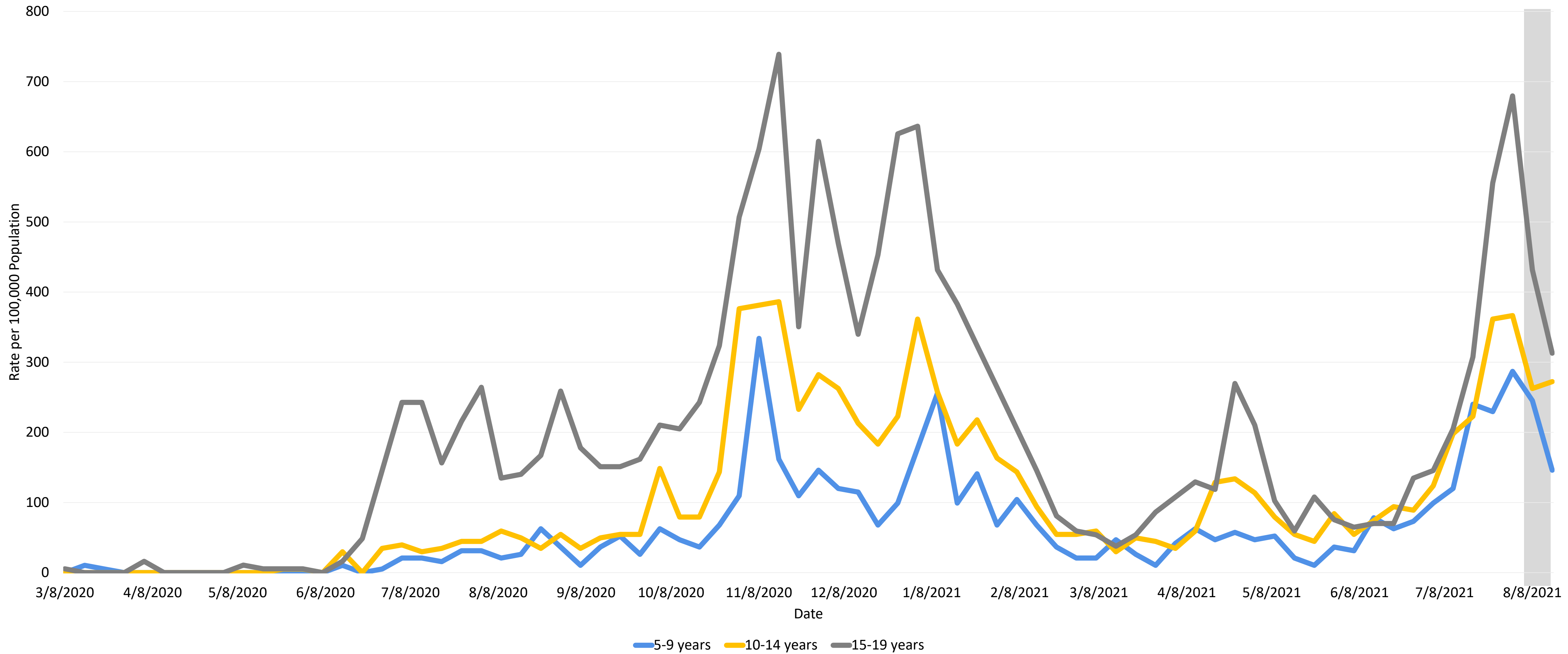
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COVID-19 Case Rate Per 1,000 by Age Group

Data Subject to Change

COVID-19 Case Rate per 100,000 Population among School-Aged Children by Week and Age Group, Eastern Jackson County, 2020-2021



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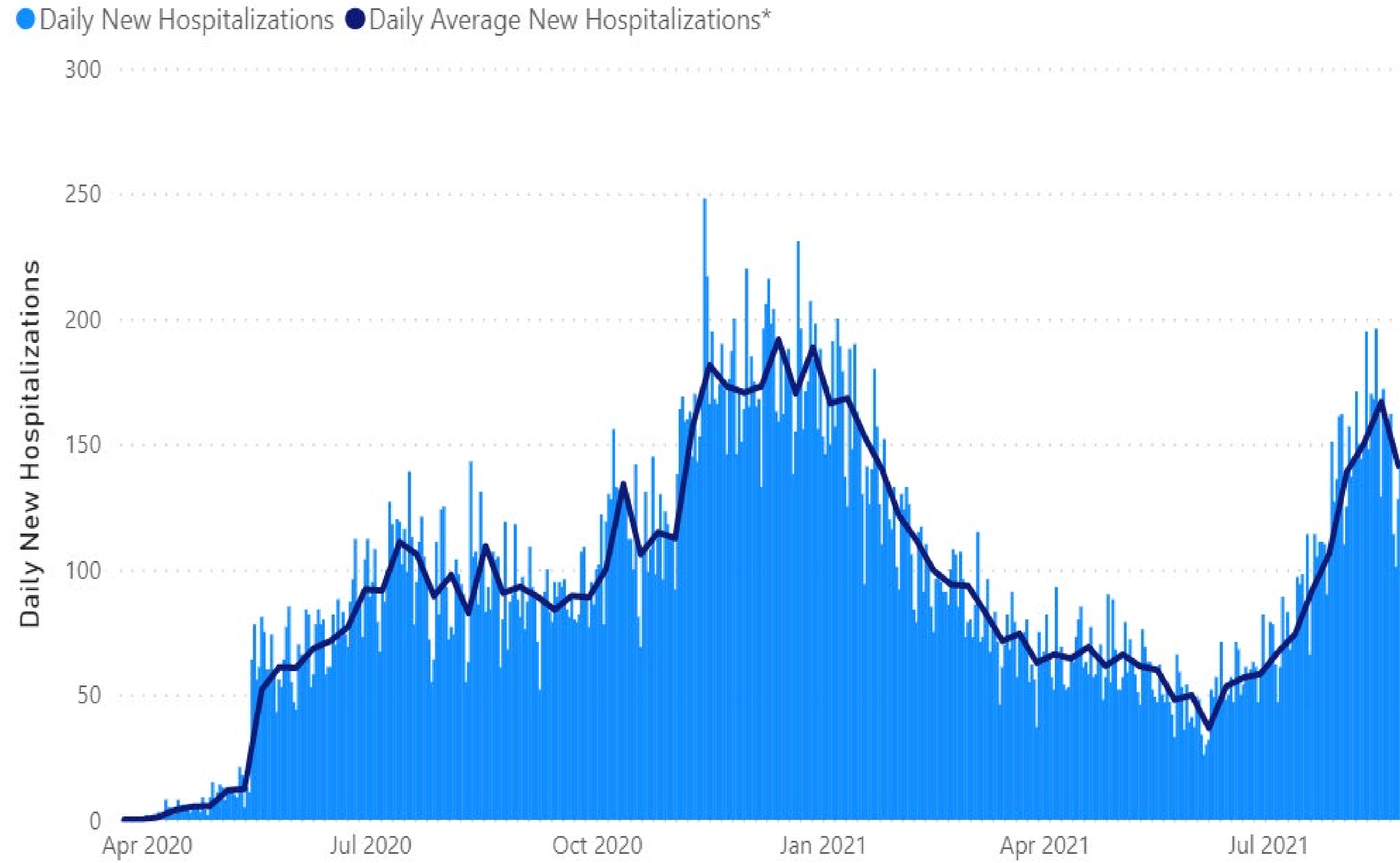
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STRAIN ON THE HEALTH CARE SYSTEM

- Daily Average of New Hospitalizations for the MARC region declined slightly, from 144 daily new hospitalizations on 8/6 to 141 on 8/25.
- On 8/18, regional hospitals exceeded record ICU peak capacity that was initially experienced in November, 2020.
- Many hospitals are on high volume, including Children's Mercy. Demographics of hospitalized patients are trending younger than in previous waves.
- Vast majority of hospitalized cases are individuals NOT fully vaccinated.

New Hospitalizations 7-day rolling average trend line* and daily bars for single jurisdiction



“Kansas City is in a state of crisis. We, at the bedside of patients, whether they’re suffering from coronavirus or any other injury or illness are quite literally running from one fire to the next. What’s different now is that again, we are seeing younger patients, sicker patients, patients who were baseline healthy before getting coronavirus.”

**Dr. Andrew Schlachter
Pulmonologist
Saint Luke’s Health System**

Accessed 8/25/2021 via KMBC 9 News

<https://www.kmbc.com/article/lees-summit-saint-lukes-east-hospital-icu-at-capacity-mostly-with-covid-19-patients/37390092>



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Photo Source: Houston Chronicle

STRAIN ON THE EMS SYSTEM

- EMS crews are being required to wait longer to transfer patients to the care of emergency departments due to high hospital volume.
- EMS crews are being required to transport patients farther away from a given agency's coverage area. As distance and time increase – EMS availability in their primary area of responsibility decrease.
- Eleven ambulances from FEMA have been deployed to Region A on August 7 to assist EMS in decompressing hospitals to increase capacity. As of August 25, over 200 patients have been transported by these strike teams – with the furthest one being to Oklahoma.
- EMS agencies reporting a higher number of “Time Critical Diagnosis” (TCD) diversions. As a result, EMS crews are forced to travel longer distances to find an open TCD center. As these emergencies are time critical, patient outcomes are a concern.



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Source: Mid-America Regional Emergency Rescue Committee Report – Received August 25



Mitigating the Current Trend



IMPORTANCE OF MASKING

- On July 27, 2021, the CDC issued guidance recommending all individuals, regardless of vaccination status, wear masks in areas of high or substantial transmission.
- Near-universal adoption of masking when out in public, in combination with complementary public health measures, can successfully reduce community transmission.
- Masks are primarily intended to reduce the emission of virus-laden droplets (“source control”). They also offer some protection by limiting the inhalation of droplets by the wearer.
- https://www.cdc.gov/coronavirus/2019-ncov/vaccines/fully-vaccinated.html?s_cid=11508:should%20i%20wear%20a%20mask%20after%20vaccination:sem.ga:p:RG:GM:gen:PTN:FY21

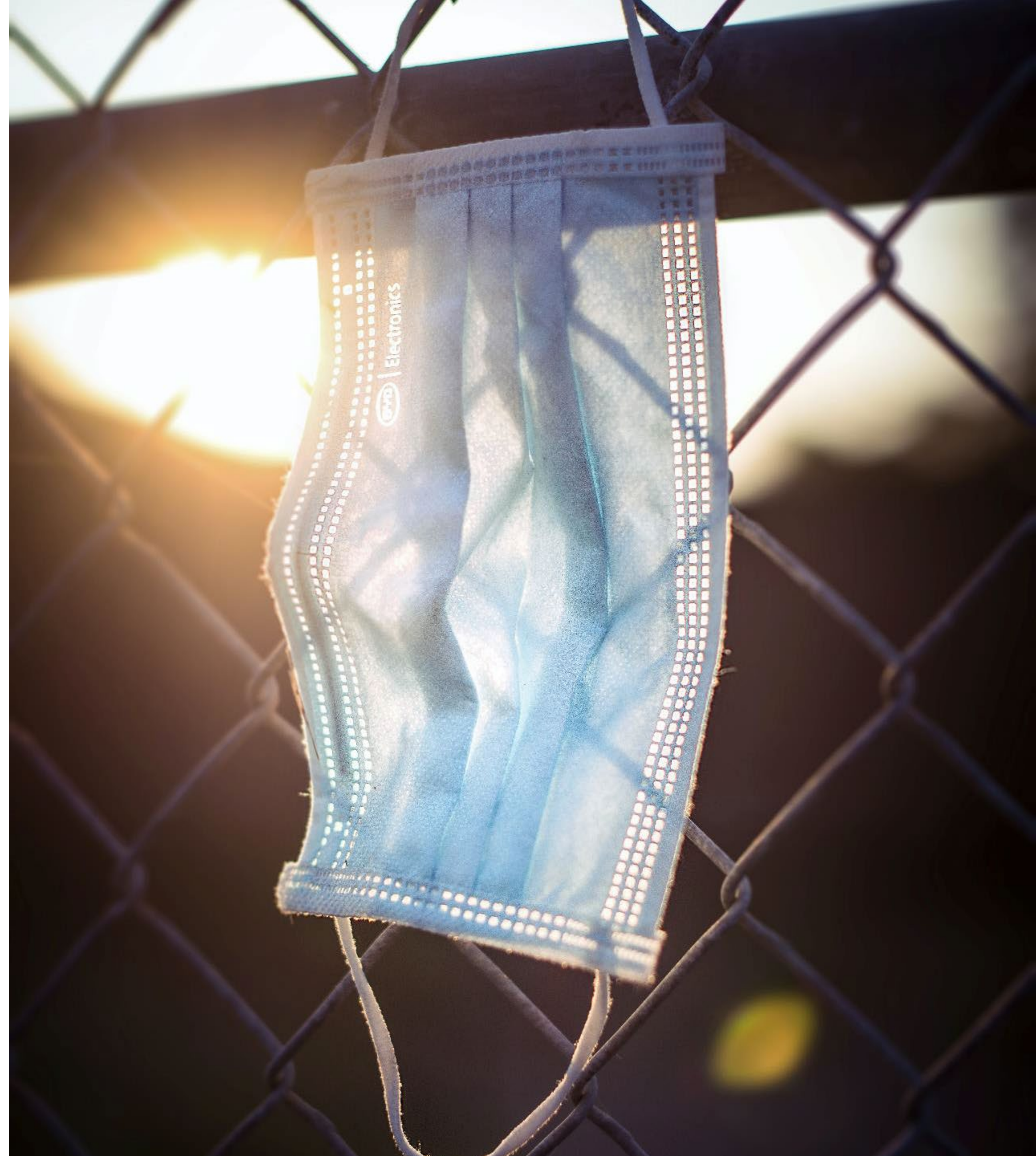
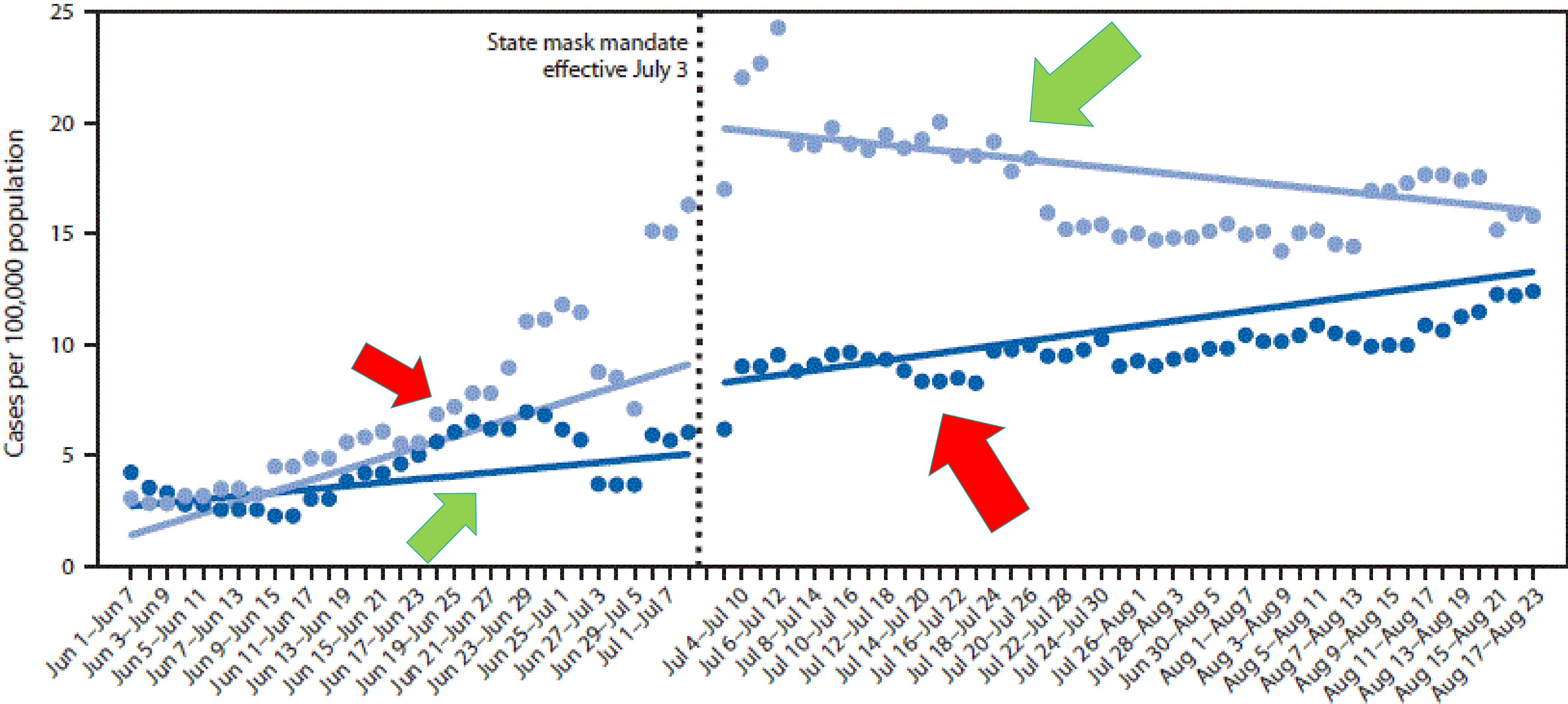


Figure. Trends in 7-day rolling average of daily COVID-19 cases per 100,000 population among mask-mandated and non-mask mandated counties before (6-1 – 7-2) and after (7-3 – 8-23) the governor’s executive order requiring masks – Kansas, June 1 – August 23, 2020

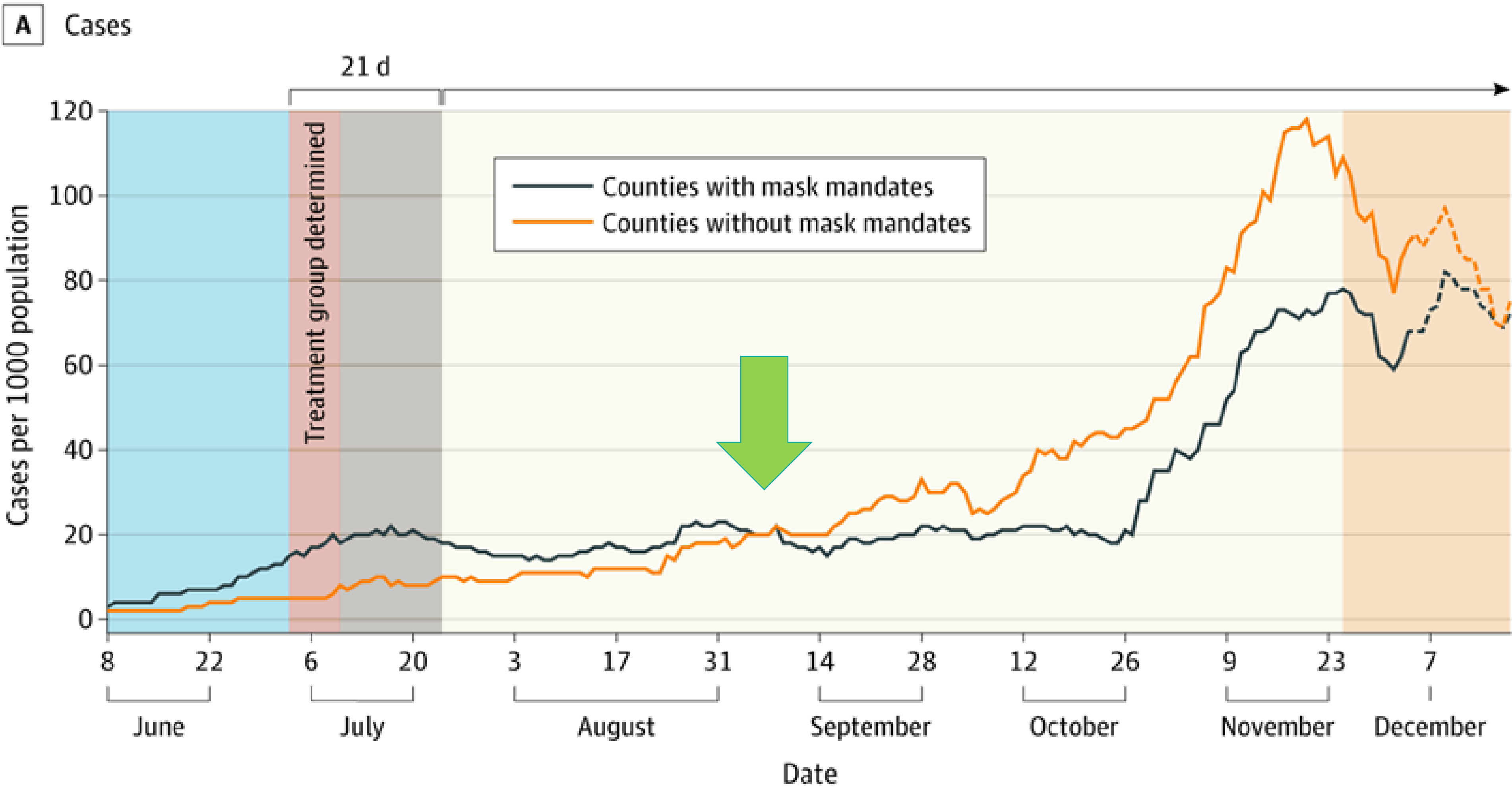


● Nonmandated counties ● Mandated counties
— Nonmandated pre- and post-July 3 trend — Mandated pre- and post-July 3 trend



<https://www.cdc.gov/mmwr/volumes/69/wr/mm6947e2.htm>

Figure. Seven-Day Moving Average of COVID-19 Cases, Hospitalizations, and Deaths per 100 000 Population in Mask and No Mask Counties in Kansas



Community Mitigation Strategies

“As communities adjust mitigation strategies, they should ensure that the healthcare system capacity will not be exceeded. Communities need to assure healthcare systems have adequate staffing, a surplus of inpatient and ICU beds, and critical medical equipment and supplies such as PPE.”

- Vaccination
- Testing
- Contact Tracing
- Isolation & Quarantine
- Social Distancing & Gathering Limits
- Mask Wearing
- Healthy Behaviors (Hygiene)



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Moving Forward & Recommendations



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RECOMMENDATIONS

The Jackson County Health Department strongly supports the extension of an Order requiring masks, regardless of vaccination status, in all indoor places within Eastern Jackson County. This continued action is necessary to provide relief to local hospitals and to alter the curve of the Kansas City Metropolitan's latest COVID-19 surge.

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