

JACKSON COUNTY LEGISLATURE COVID UPDATE

August 2, 2021



JACKSON COUNTY HEALTH DEPARTMENT

@JacksonCountyHD



COVID-19 TRENDS



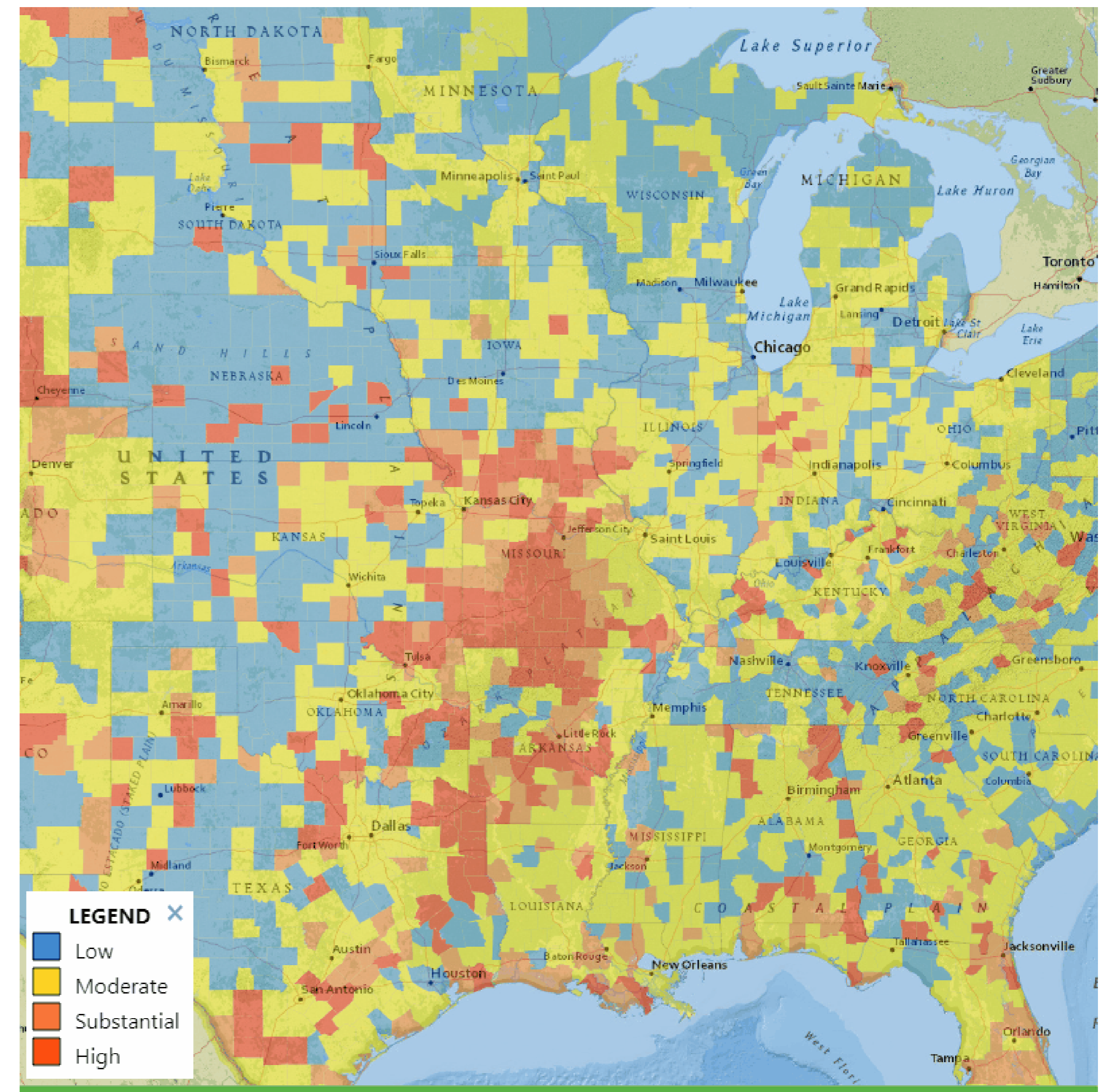
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STATE WIDE

- One month ago, 70% of Missouri counties were in the substantial or high categories. Today, all but two Missouri counties are in the high rating.

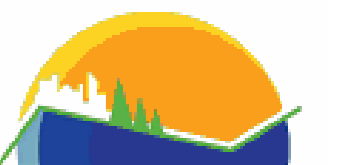
Indicator	Low Transmission (Blue)	Moderate Transmission (Yellow)	Substantial Transmission (Orange)	High Transmission (Red)
Total new cases per 100,000 persons in the past 7 days	0-9.99	10-49.99	50-99.99	>100
Percentage of NAATs that are positive during the past 7 days	0-4.99%	5-7.99%	8-9.99%	>10.0%



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COVID-19 | PHASED PREVENTION | LEVELS OF COMMUNITY TRANSMISSION | ALL COUNTIES | 06/28/2021

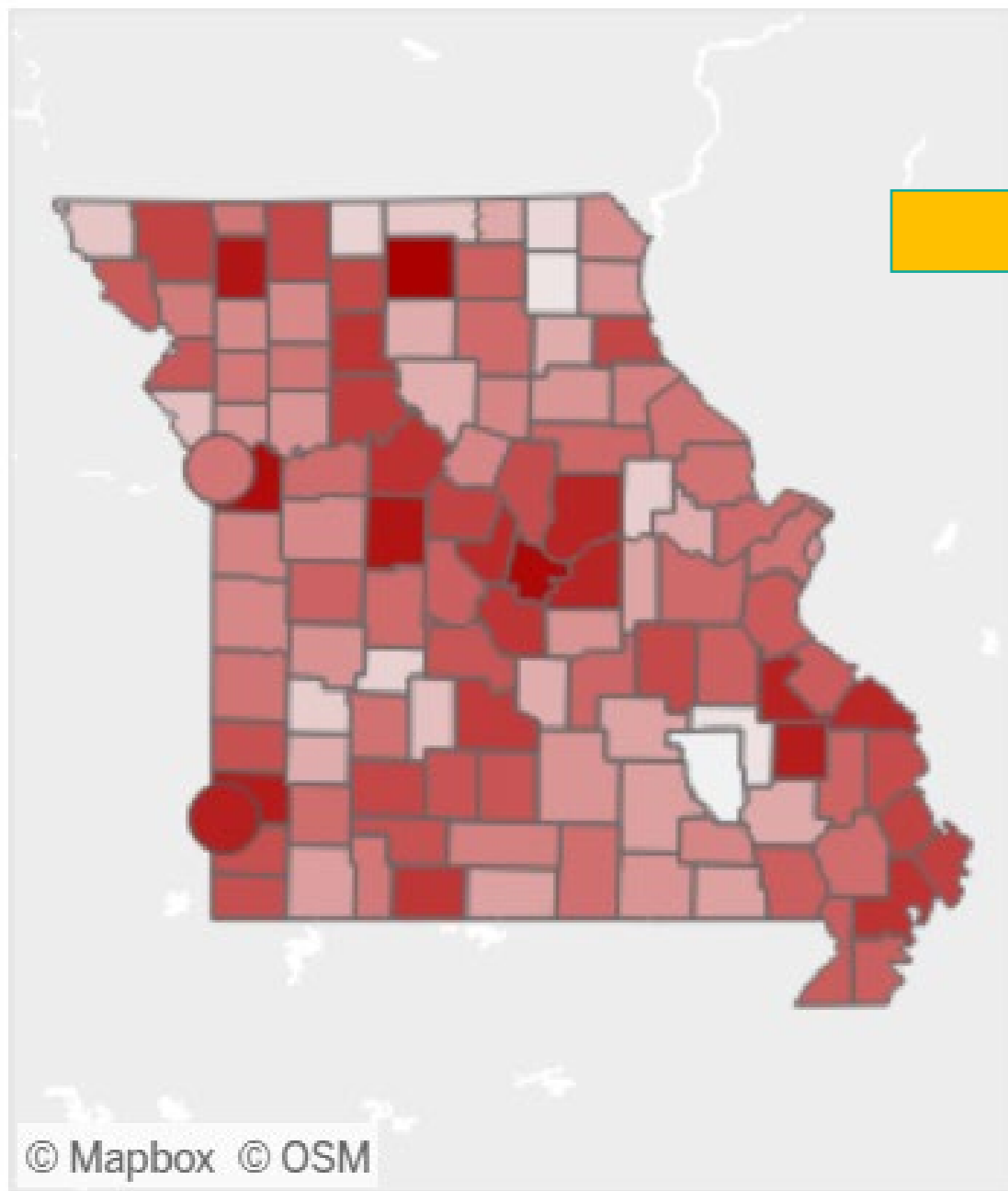


Explore more data at ephtracking.cdc.gov/DataExplorer

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

Cases by Jurisdiction to Date

Colored by Per 100k



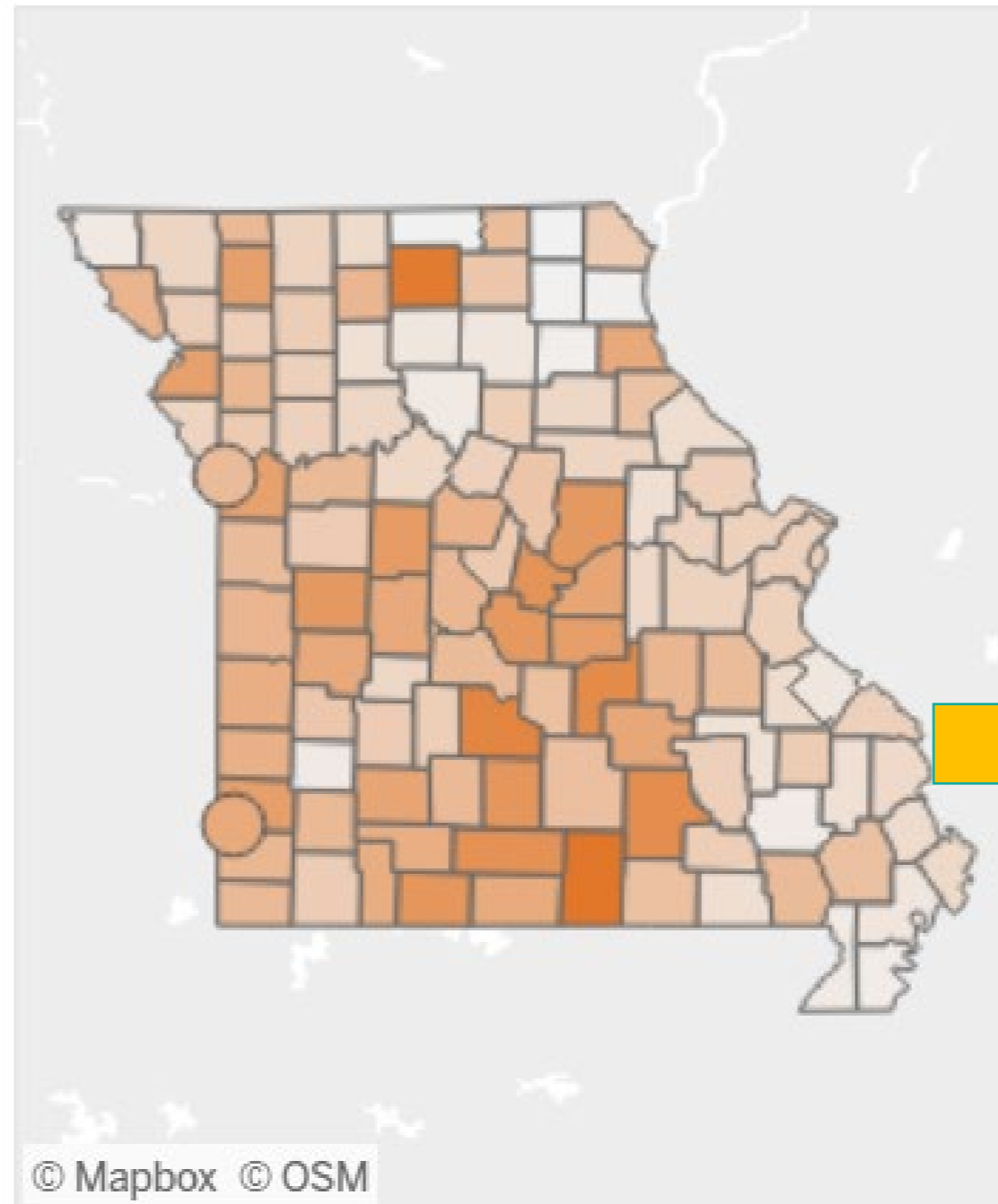
Sorted by Cases (Per 100k)

Colored by Total Volume

SULLIVAN	1	13,812
COLE	2	13,429
JACKSON	3	13,235
PETTIS	4	12,851
GENTRY	5	12,799
JASPER	6	12,442
MADISON	7	12,417
JOPLIN	8	12,277
ST FRANCOIS	9	12,168
CALLAWAY	10	12,020
OSAGE	11	11,994
PERRY	12	11,868
MONITEAU	13	11,753
SALINE	14	11,451

Past 7 Days: Cases by Juris.

Colored by Per 100k



Sorted by Cases (Per 100k)

Colored by Total Volume

MILLER	10	394
CALLAWAY	11	391
HENRY	12	389
PETTIS	13	383
MARIES	14	368
JASPER	15	366
GENTRY	16	365
BUCHANAN	17	359
JACKSON	18	356
OSAGE	19	338
GREENE	20	338
DENT	21	327
MARION	22	322
ST CLAIR	23	310

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

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CASES

Confirmed Cases: 24,325

Probable Cases: 6,425

Deaths: 384

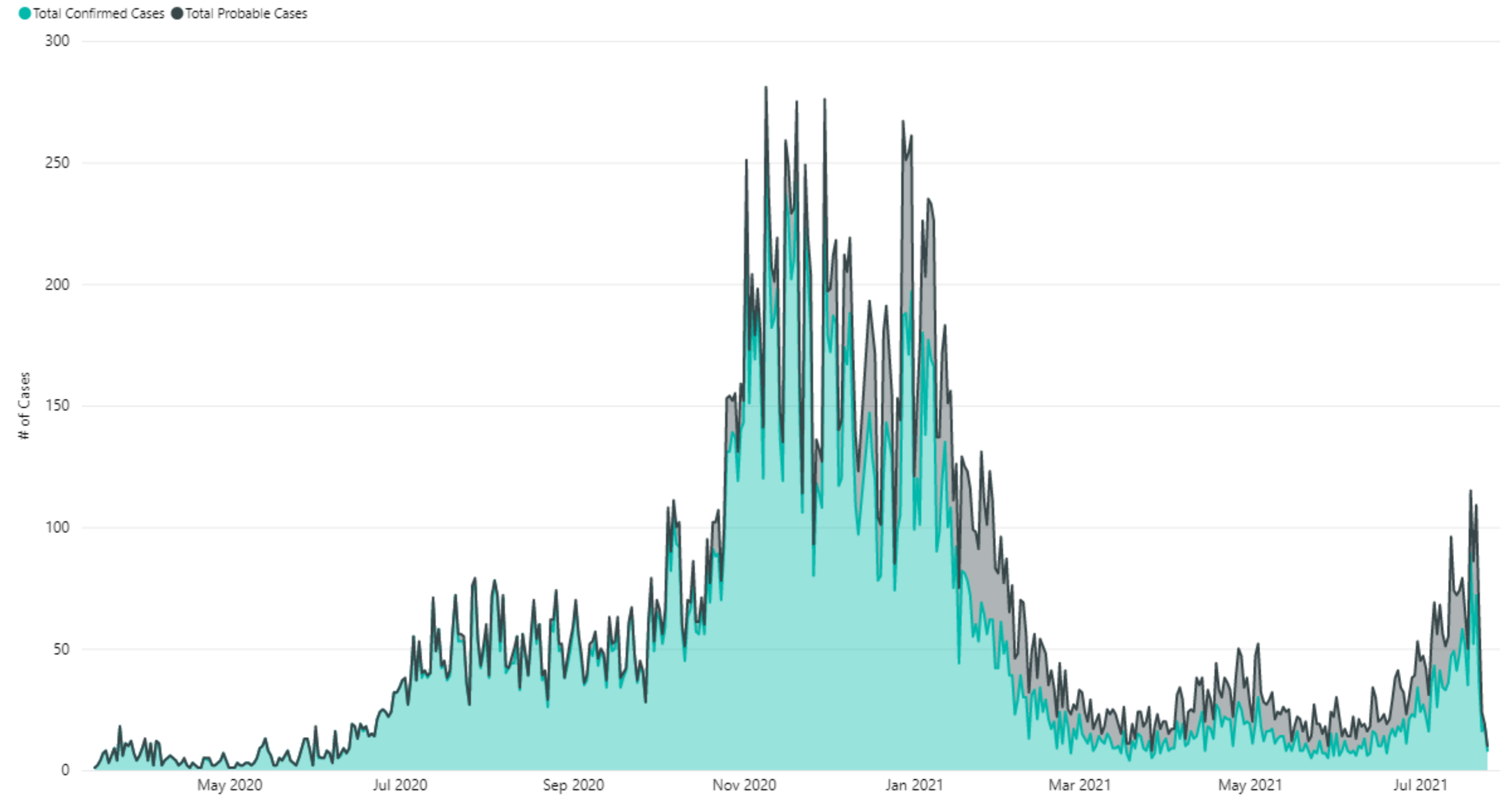
7-Day Average Daily New Cases

<u>Week</u>	<u>Average</u>
Week 6/20	31.14
Week 6/27	42.14
Week 7/4	57.71
Week 7/11	85.14
Week 7/18*	85.86*

14-Day Case Rate per 100,000

<u>Week</u>	<u>Case Rate</u>
Week 6/20	141.43
Week 6/27	190.41
Week 7/4	258.91
Week 7/11	368.30
Week 7/18*	440.85*

[Back to report](#) | COVID-19 CASES BY EVENT DATE AND CASE STATUS, EASTERN JACKSON COUNTY, 2020-2...



*still receiving data and case reports – value incomplete.



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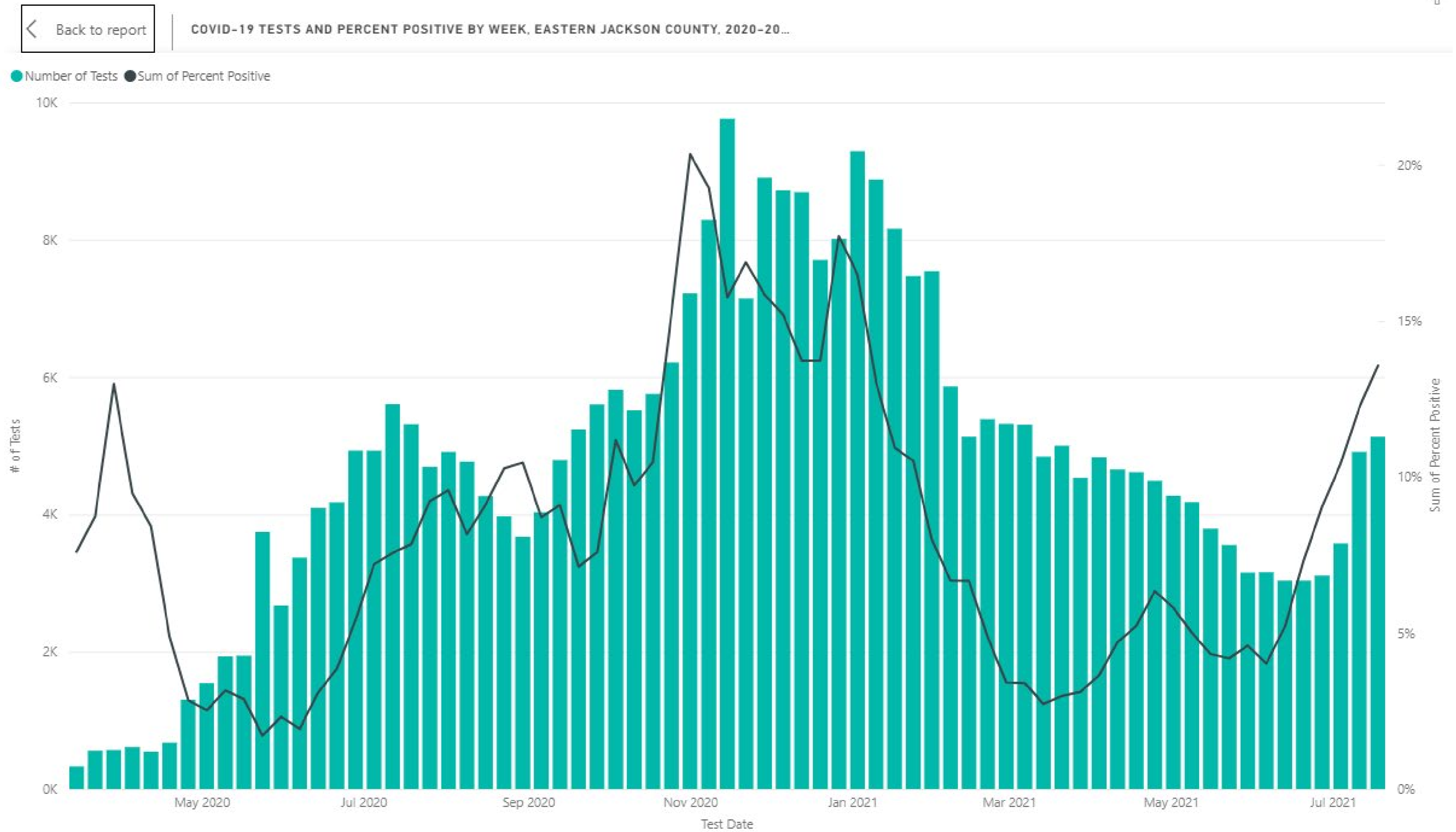
PERCENT POSITIVE

Tests Per Week

<u>Week</u>	<u>Count</u>
Week 6/20	3,035
Week 6/27	3,106
Week 7/4	3,582
Week 7/11	4,923
Week 7/18*	6,148*

Percent Positive

<u>Week</u>	<u>Count</u>
Week 6/20	7.31%
Week 6/27	9.05%
Week 7/4	10.44%
Week 7/11	12.29%
Week 7/18*	13.92%*



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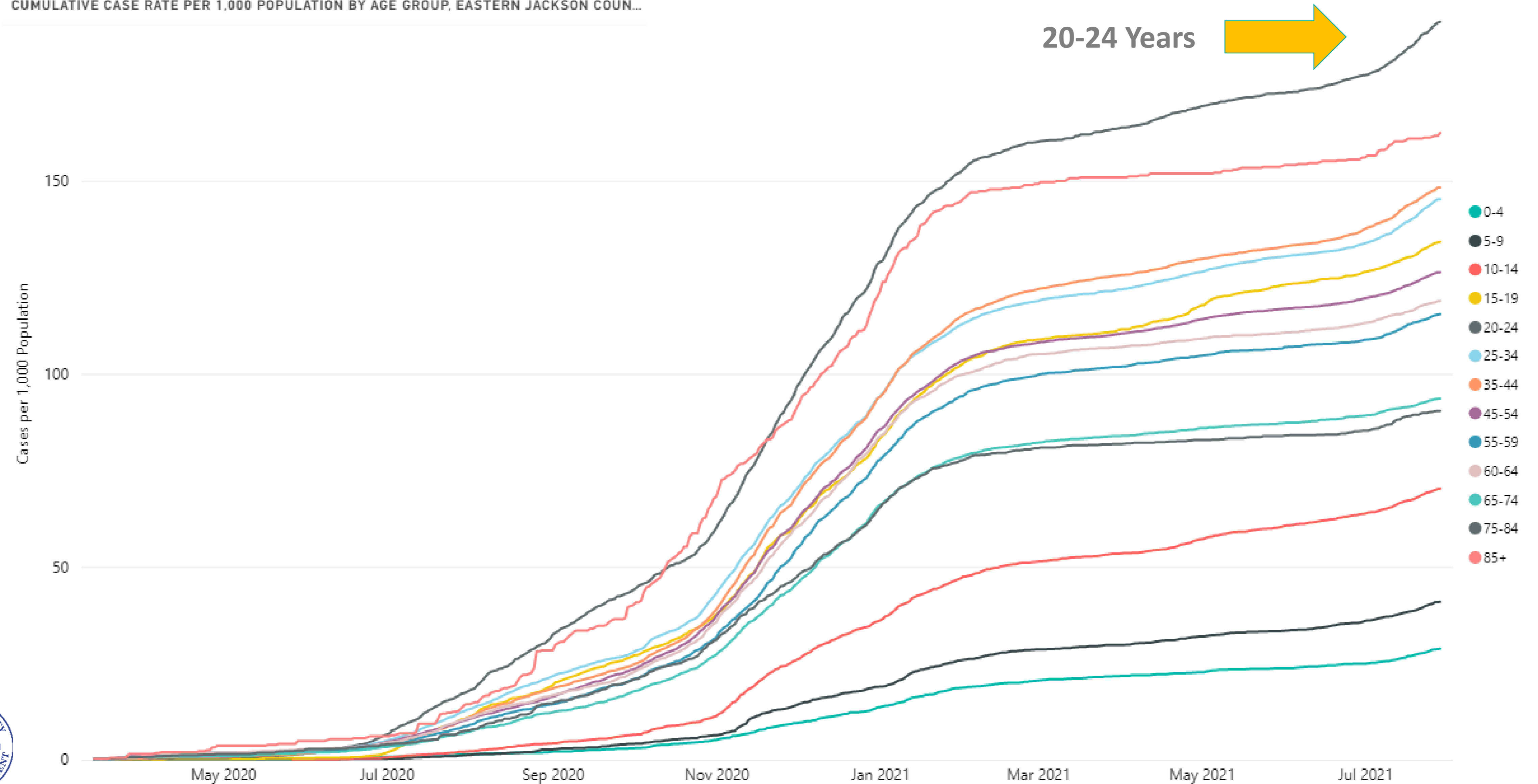
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Cumulative Case Rate Per 1,000 by Age Group

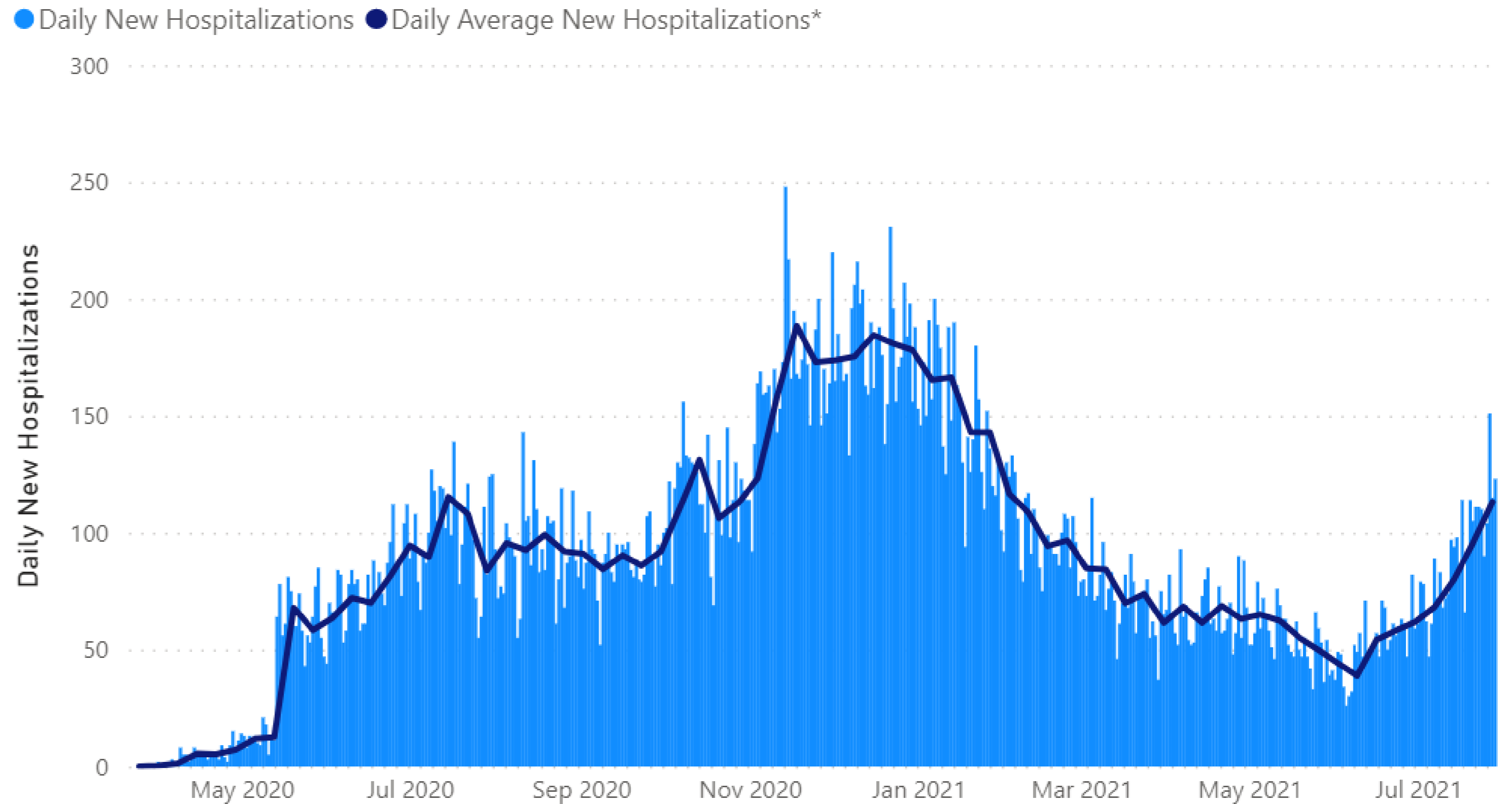
CUMULATIVE CASE RATE PER 1,000 POPULATION BY AGE GROUP, EASTERN JACKSON COUN...



HOSPITALIZATIONS

- Hospitalizations are up 75% over last month across the Mid-America Regional Council (MARC) Region.
- On July, 27th, the region saw 151 new hospitalizations in a single day – a level not seen since late January, 2021.
- 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



What is Driving this Trend?



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DELTA VARIANT

- The Delta Variant is causing significant community spread and outbreaks in Jackson County, amplified by the lower vaccination rate.
- Infected individuals have been found to have up to 1,000 times more virus in their respiratory tracts.
- Individuals become infectious sooner than with other variants and the ancestral strain.
- Vaccine effectiveness against hospitalization and death is high for all current SARS-CoV-2 variants; emerging data suggest lower effectiveness against confirmed infection and symptomatic disease caused by Delta and Gamma variants.
- **New data is suggesting that vaccinated persons who are infected with the Delta variant have the potential to still spread the virus.**



VACCINATIONS

Total Vaccinated (TOTAL POP)

% Initiated	45.3%
% Completed	40.1%

Total Vaccinated (ELIGIBLE)

% Initiated	55.6%
% Completed	49.3%

- 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) are very close to overtaking 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 70%.

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	0.00% (0.00%)	0.00% (0.00%)
10-14 years	17.65% (1.88%)	12.97% (1.06%)
15-19 years	41.46% (2.44%)	33.65% (1.36%)
20-24 years	48.16% (1.40%)	40.72% (0.93%)
25-34 years	39.98% (1.05%)	34.45% (0.55%)
35-44 years	49.18% (1.11%)	43.20% (0.64%)
45-54 years	49.72% (1.01%)	44.19% (0.60%)
55-59 years	55.46% (1.02%)	49.37% (0.55%)
60-64 years	75.60% (1.11%)	68.58% (0.73%)
65-74 years	79.89% (0.79%)	74.06% (0.56%)
75-84 years	81.21% (0.56%)	75.68% (0.47%)
85+	94.11% (0.70%)	86.30% (0.49%)



BREAKTHROUGH CASES

- Breakthrough cases are often in individuals who are immunocompromised and/or advanced in age
- Barnstable, MA *MMWR*
 - 469 Cases of COVID in July, 2021
 - 346 (74%) Cases were Fully Vaccinated
 - Sequencing in 119/133 (89%) specimens confirmed Delta.
 - 274 (79%) with breakthrough infection were symptomatic.
 - 4/5 hospitalized were vaccinated.

% of Breakthrough Cases by Week

<i>Week</i>	<i>% Breakthrough</i>
6/20	11.93%
6/27	16.39%
7/4	17.08%
7/11	16.95%
7/18	11.93%

Breakthrough Cases

TOTAL	387
% Symptomatic	277 (71.9%)
# Hospitalized	10 (2.97%)
# Deceased	2 (0.59%)



Moving Forward & Recommendations



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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)



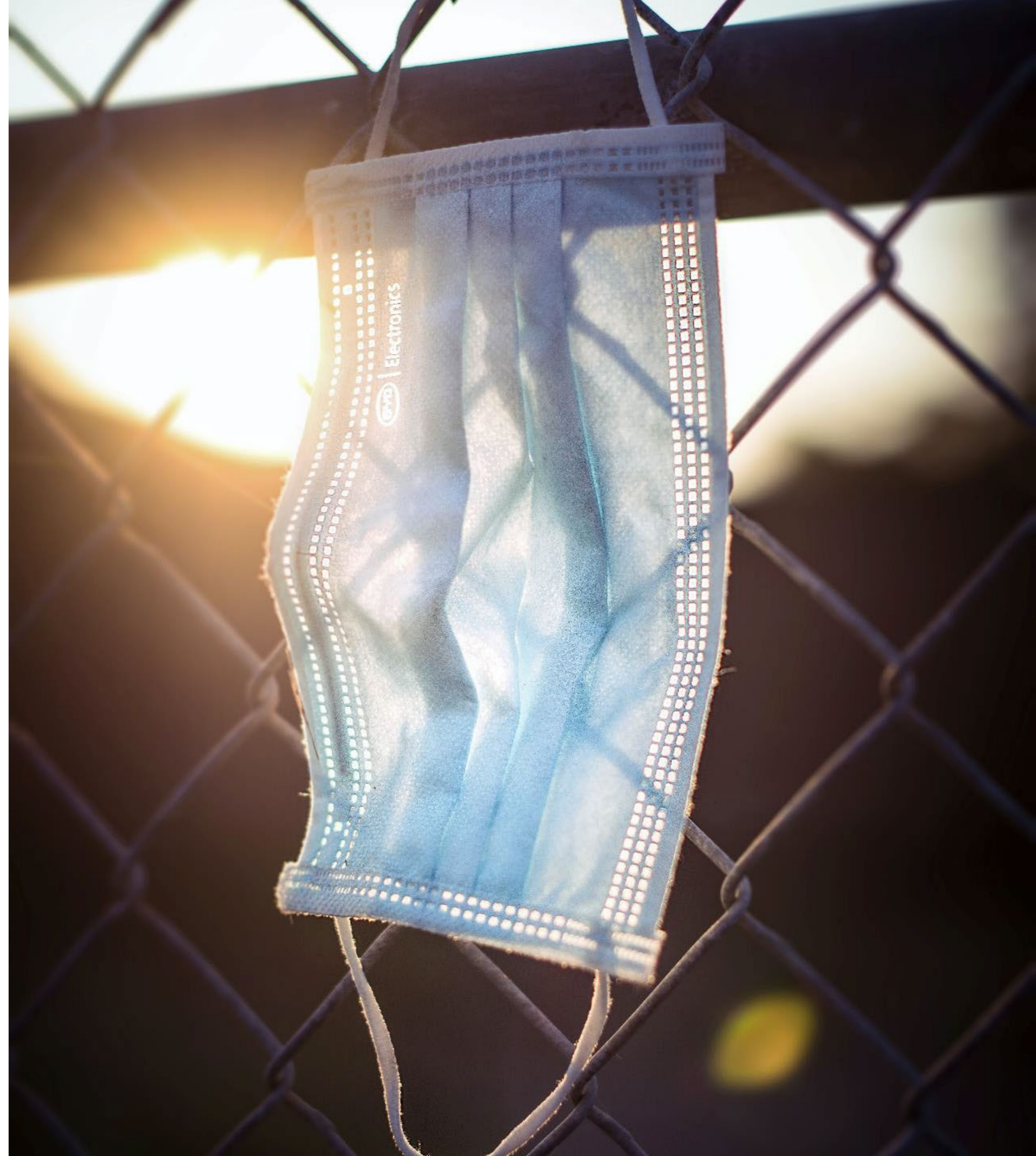
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MITIGATION:

Masking

- The available evidence suggests that near-universal adoption of nonmedical masks when out in public, in combination with complementary public health measures, could successfully reduce community transmission if such measures are sustained.
- The Usher Institute incorporated laboratory as well as epidemiological evidence in their review, finding that “homemade masks worn by sick people can reduce virus transmission by mitigating aerosol dispersal. Homemade masks worn by sick people can also reduce transmission through droplets.”
- “When used in conjunction with widespread testing, contact tracing, quarantining of anyone that may be infected, hand washing, and physical distancing, face masks are a valuable tool to reduce community transmission. All of these measures, through their effect on R_0 , have the potential to reduce the number of infections. As we forgo social distancing and gathering limitations, keeping transmissions low enough to preserve health care capacity will be critical until enough of the population can be vaccinated.”





RECOMMENDATIONS

- Based on available trend analysis, reports from local hospitals, and available science, the Jackson County Health Department recommends the issuance of a health order requiring mask wearing:
 - Indoors in public spaces
 - For vaccinated and unvaccinated individuals

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