

# JACKSON COUNTY LEGISLATURE COVID UPDATE

Report Created December 8, 2021



JACKSON COUNTY HEALTH DEPARTMENT



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# COVID-19 TRENDS



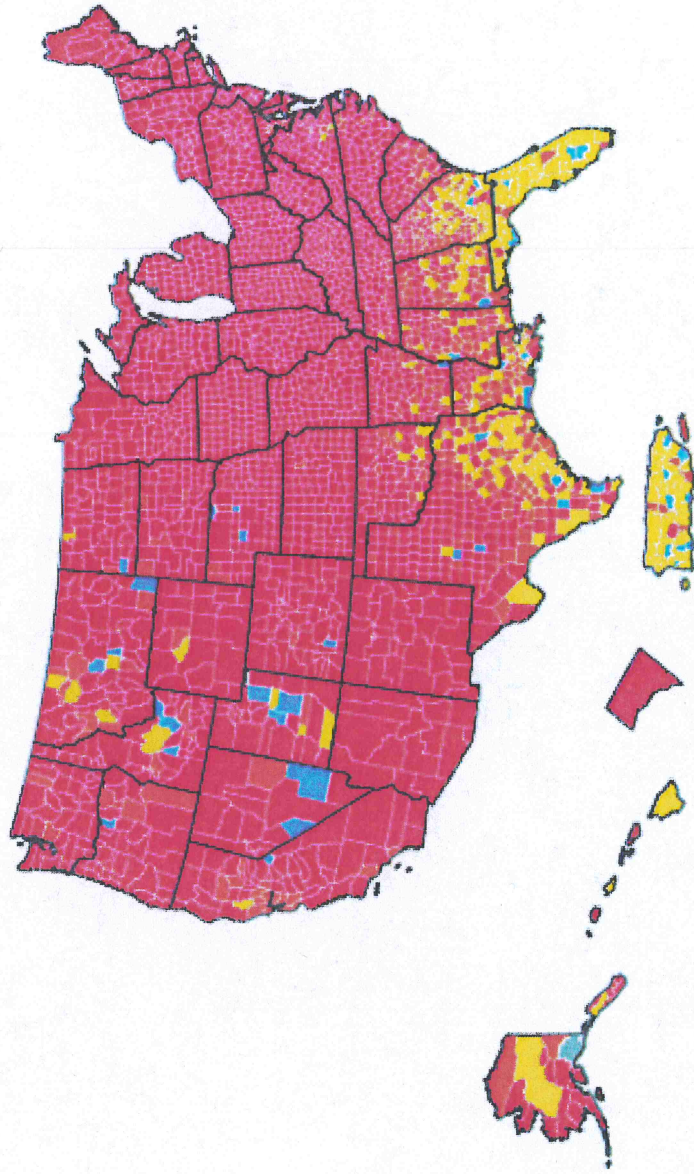
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## National Data

- Jackson County and the surrounding counties in Missouri and Kansas are classified as “high transmission” areas according to the CDC.
- Nationally, the current 7-day moving average of daily new cases (86,413) decreased 8.5% compared with the previous 7-day moving average (94,393). A total of 48,628,787 COVID-19 cases have been reported as of December 1, 2021.
- Nationally, the current 7-day daily average for new hospitalizations for November 24–November 30, 2021, was 6,386. This is a 5.0% increase from the prior 7-day average (6,082) from November 17–November 23, 2021.



● High ● Substantial ● Moderate ● Low ● No Data

Source: <https://www.cdc.gov/coronavirus/2019-ncov/covid-data/covidview/index.html>

Data Accessed: December 8, 2021

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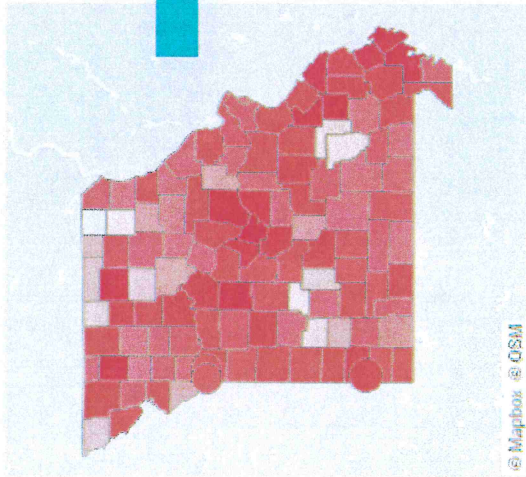




# State Data

## Maps Using PCR/Genomic Sequencing Metrics

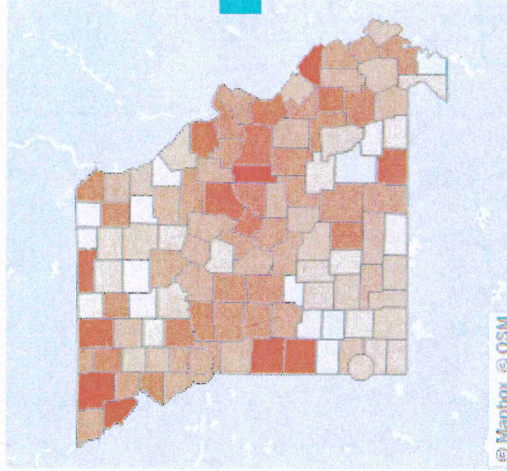
**Cases by Jurisdiction to Date**  
Colored by Per 100k



**Sorted by Cases (Per 100k)**  
Colored by Total Volume

MCDONALD	41	12,278
PHELPS	42	12,243
BUCHANAN	43	12,210
WASHINGTON	44	12,188
JACKSON	45	12,163
DUNKLIN	46	12,155
HOLT	47	12,151
LINCOLN	48	12,106
LAFAYETTE	49	12,061
WRIGHT	50	12,007
CAMDEN	51	11,956
AUDRAIN	52	11,915
CHRISTIAN	53	11,878
NEWTON	54	11,858

**Past 7 Days: Cases by Juris.**  
Colored by Per 100k



**Sorted by Cases (Per 100k)**  
Colored by Total Volume

CRAWFORD	31	109
IRON	32	109
TEXAS	33	106
NEW MADRID	34	105
AUDRAIN	35	102
ANDREW	36	102
JACKSON	37	101
WORTH	38	99
ST FRANCOIS	39	98
CLAY	40	98
ATCHISON	41	97
HOWELL	42	97
PHELPS	43	96
ST CLAIR	44	96

As of December 10, 2021: <https://health.mo.gov/living/healthcondiseases/communicable/novel-coronavirus/data/public-health/county.php>



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## KEY TRENDS: EASTERN JACKSON COUNTY

- The weekly overall COVID-19 case rate in Eastern Jackson County for the week of 11/28 has increased for the 6<sup>th</sup> week in a row. This increase is coupled with a KC Metro-wide increase in COVID-19 cases. This is 118% increase compared to 5 weeks ago.
- Children under the age of 20 are making up a larger percentage of COVID-19 cases, with 30% of all COVID-19 cases happening in this age range for the week of 11/28.
- The percentage of Eastern Jackson County residents who have completed a COVID-19 vaccination series is 51.3% (as of 12/3).
- As of 12/3 data, 4,102 children between 5 and 11 have received a first dose of the COVID-19 vaccine, representing 15.1% of that population. Of those, 869 have completed a COVID-19 vaccination series, representing 3.2% of the 5 to 11 year old population
- Daily Average New Hospitalizations: 138/ Change since previous week: +31.38%



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Source: Jackson County Health Department COVID Dashboard

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# CASES

Confirmed Cases: 33,823      Probable Cases: 9,429      Deaths: 554

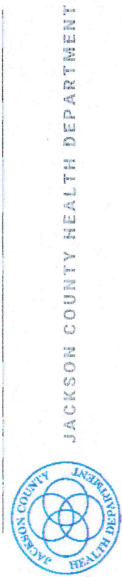
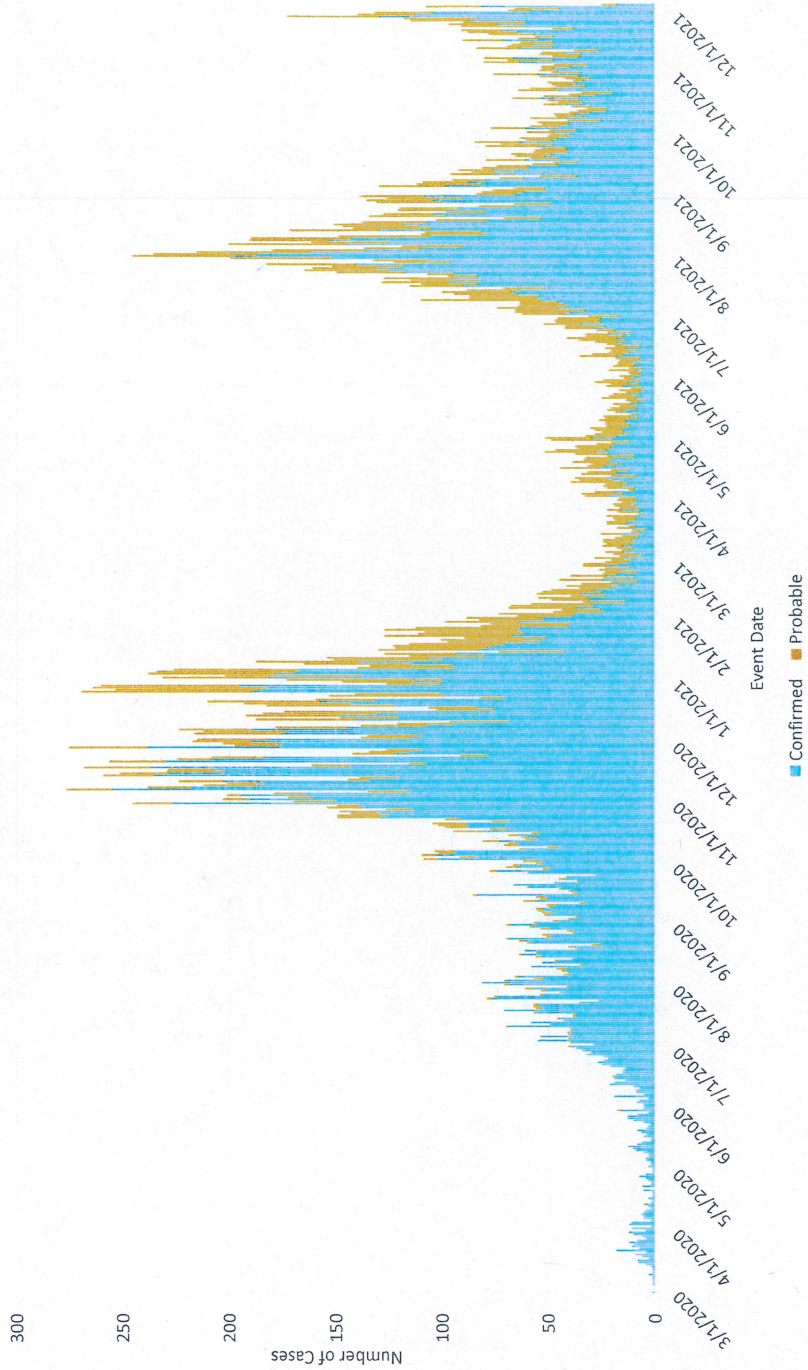
## 7-Day Average Daily New Cases

Week	Average
Week 10/31	55.29
Week 11/7	62.57
Week 11/14	68.86
Week 11/21	79.43
Week 11/28*	120.71

## 7-Day Case Rate per 100,000

Week	Case Rate
Week 10/31	142.53
Week 11/7	161.32
Week 11/14	177.52
Week 11/21	204.77
Week 11/28*	311.21

COVID-19 Cases by Event Date and Case Status, Eastern Jackson County, 2020-2021



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\*still receiving data and case reports – value incomplete.

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# PERCENT POSITIVE

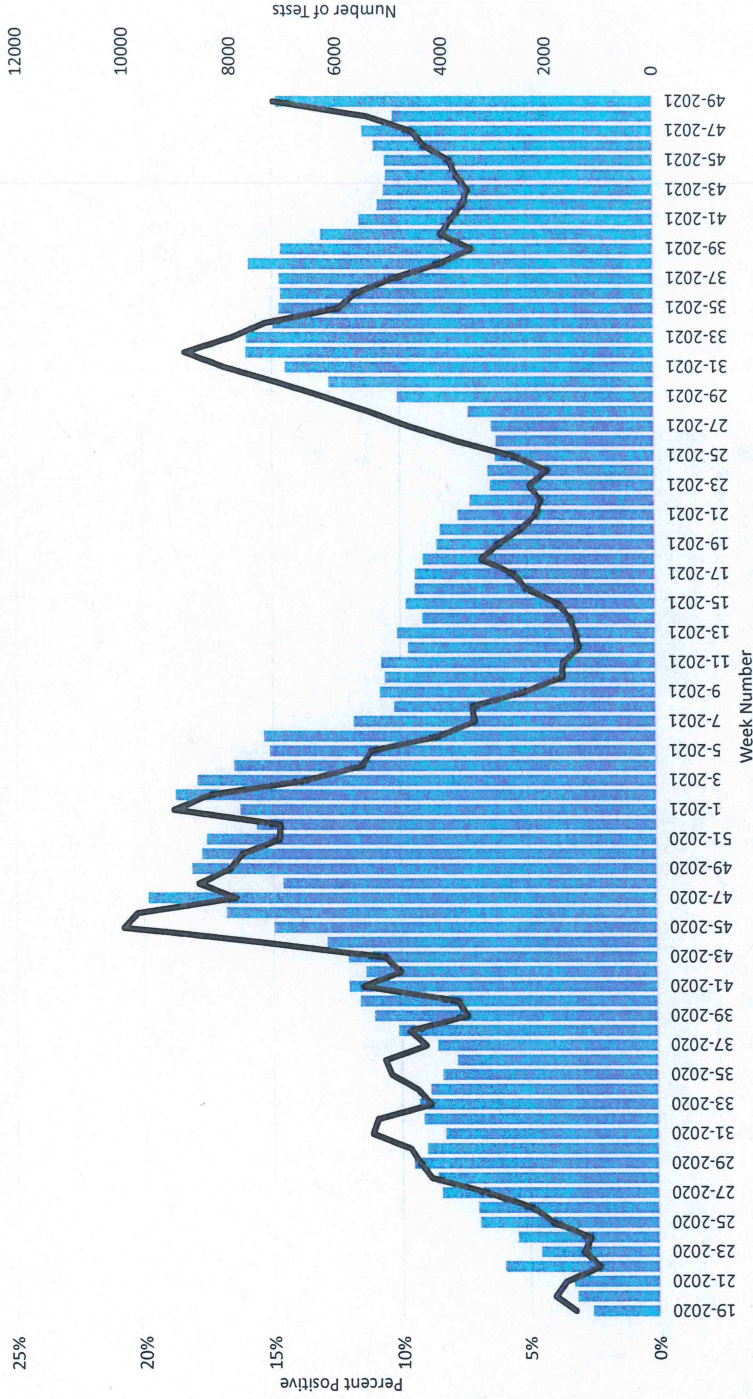
## # Tests Per Week

Week	Count
Week 10/31	5,079
Week 11/7	5,286
Week 11/14	5,497
Week 11/21	4,923
Week 11/28*	7,127

## Percent Positive

Week	Count
Week 10/31	8.01%
Week 11/7	9.02%
Week 11/14	9.50%
Week 11/21	11.25%
Week 11/28*	14.94%

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



# of Tests    Percent Positive



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\*still receiving data and case reports – value incomplete.



# CDC Criteria- Level of Community Transmission

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%

Data Source	New Cases per 100,000	Percent Positivity	Level of Transmission	Comment:
CDC	397	14.03%	High	Includes all of Jackson County
DHSS	276	14.91%	High	Only includes PCR Results
JACOHD	311	14.94%	High	Includes PCR & Antigen Results

Data Accessed: December 10, 2021

CDC Guidance for areas in High or Substantial Levels of Community Transmission: Everyone in **Jackson County, Missouri** should wear a mask in public, indoor settings.



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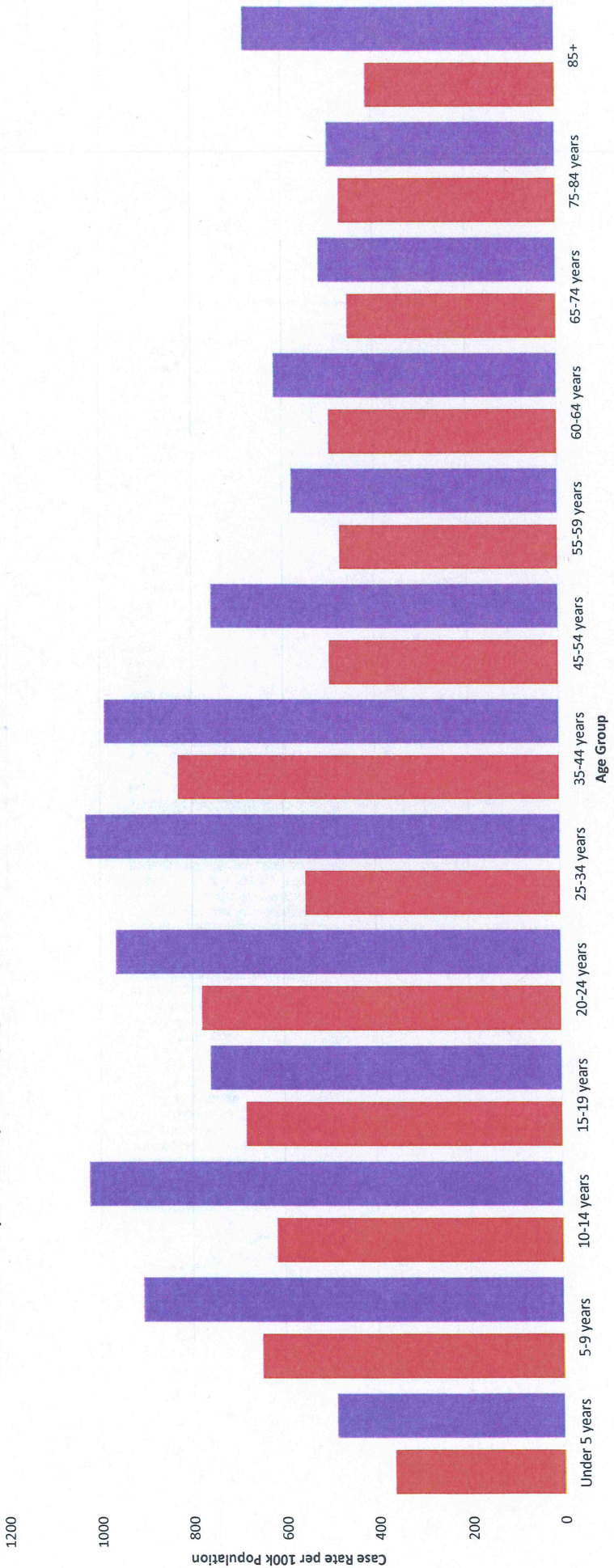
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# MONTHLY CHANGE IN CASE RATE BY AGE GROUP, OCT-NOV

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



■ Oct, 2021 ■ Nov, 2021



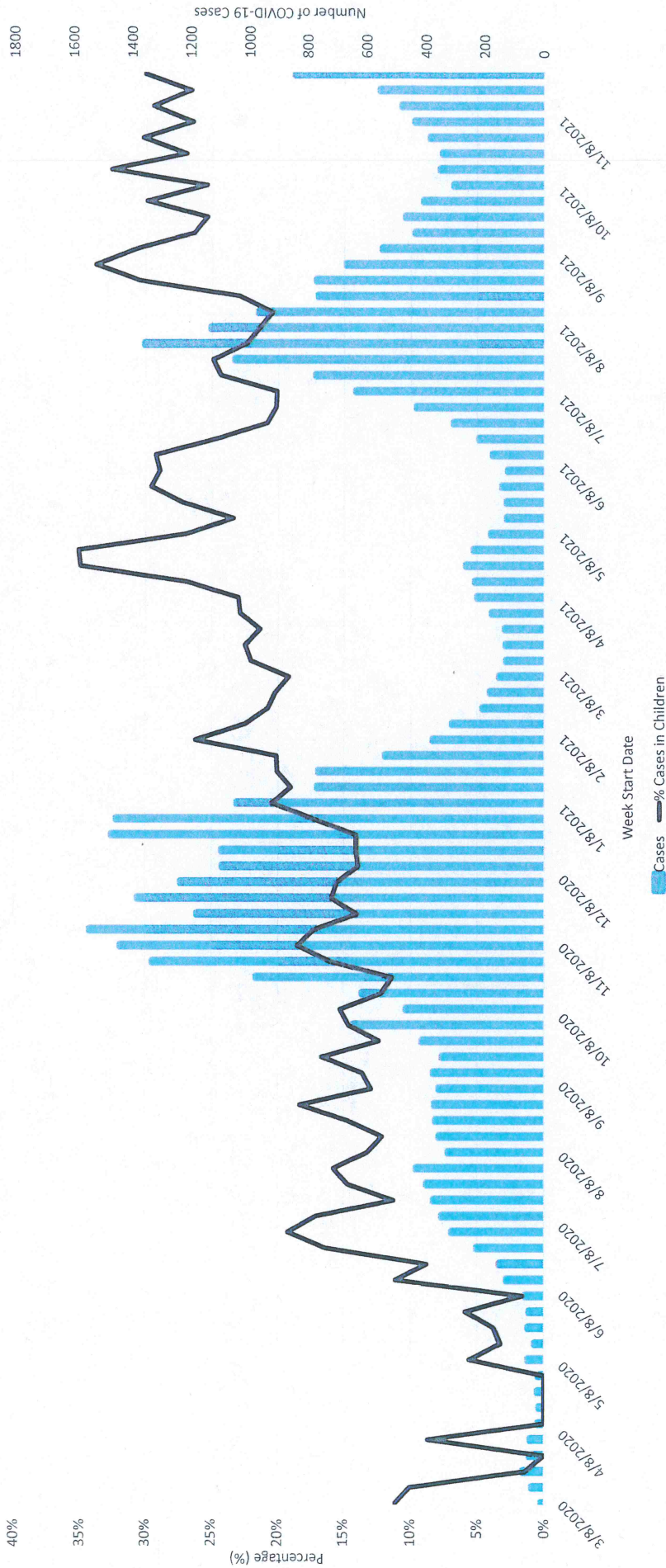
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# PERCENTAGE OF CASES IN CHILDREN

Percentage of COVID-19 Case-Patients under the Age of 20 and Total COVID-19 Cases by Week, Eastern Jackson County, 2020-2021



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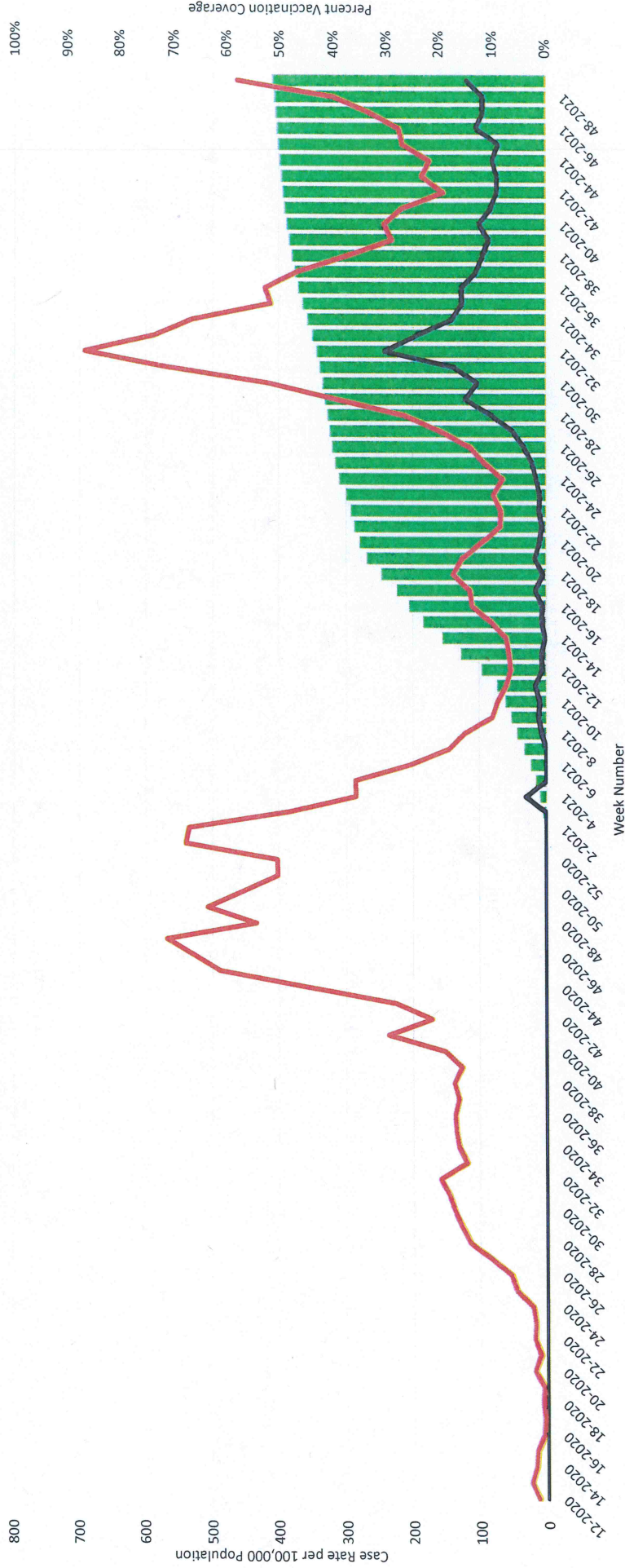


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# COVID-19 CASE RATE BY VACCINATION STATUS

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



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# VACCINATIONS

- The 25-34 age group has the lowest vaccination completion percentage of all fully eligible age groups (48.06%), with the exception of the newly authorized 5-11 year olds. The 25-34 age group continuously maintains among the highest case rates as well.
- As a population, vaccination rates are inadequate to prevent another surge of COVID-19 cases.

Total Vaccinated (TOTAL POP)	
% Initiated	58.13%
% Completed	51.31%
Total Vaccinated (ELIGIBLE)*	
% Initiated	62.39%
% Completed	55.07%

Vaccination data as of 12/5/2021

\*Eligible for Vaccination changed to include children 5-11 years of age



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# STRAIN ON THE HEALTH CARE SYSTEM

- Daily Average of New Hospitalizations for the MARC region increased, from 82 daily new hospitalizations on 11/09 to 138 on 12/08.
- Per the HCC Metro Report on November 8, 2021, 9 of 27 (33.3%) hospitals reported an anticipated shortage in staffing in the next week.
- High overall hospital volume in the region remains a concern. Staffed hospital bed, especially staffed ICU bed, availability continues to be a challenge in the region.
- “What we are seeing is a rapid, the most rapid escalation since COVID started in the number of new cases coming in,” said Dr. Steve Stites, Chief Medical Officer at KU Health System. “So we know we watch the curves, how fast things escalate, and this is still the Delta variant. We’re seeing the most rapid escalation in the curve.”\*

## New Hospitalizations

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

● Daily New Hospitalizations ● Daily Average New Hospitalizations\*

300

250

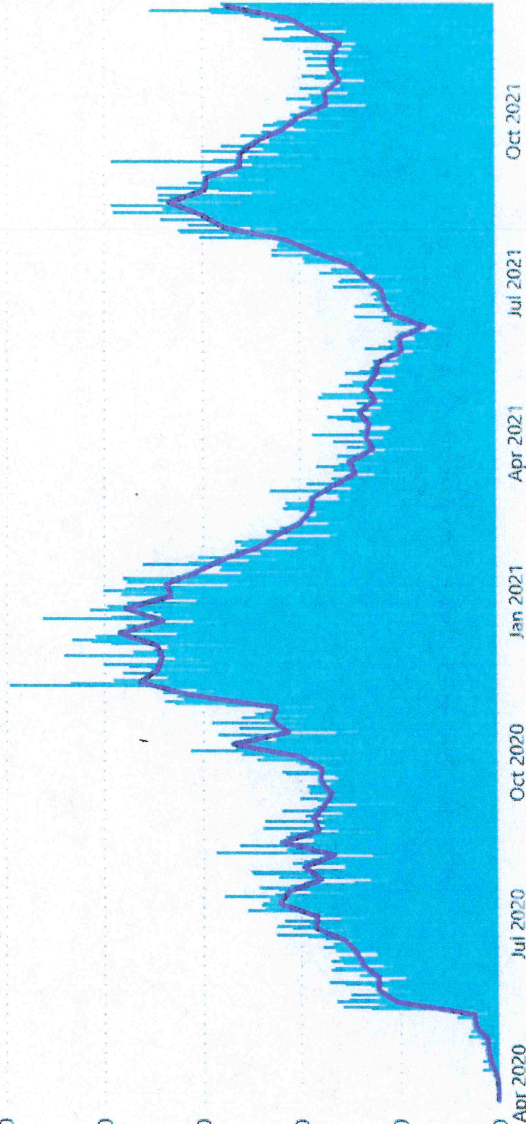
200

150

100

50

Daily New Hospitalizations



Source: <https://marc2.org/covidhub/>  
Data Accessed: December 8, 2021



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\*SOURCE: Heidi Schmidt – Fox4 News Kansas City

<https://fox4kc.com/tracking-coronavirus/the-numbers-are-rapidly-escalating-doctors-warn-covid-19-cases-climbing-after-thanksgiving/>

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# OMICRON: WHAT WE KNOW

## Transmissibility:

- R(t) – a measure of contagiousness – is holding at a very high rate in South Africa: R(t)= 2-3.
- R(t) is estimated at 3.47 in the UK. In the UK, 2% of PCR swabs were positive for omicron on 12/2 compared to 0.01% on 11/20.
- Preliminary evidence suggests omicron is more transmissible, but more data is needed.

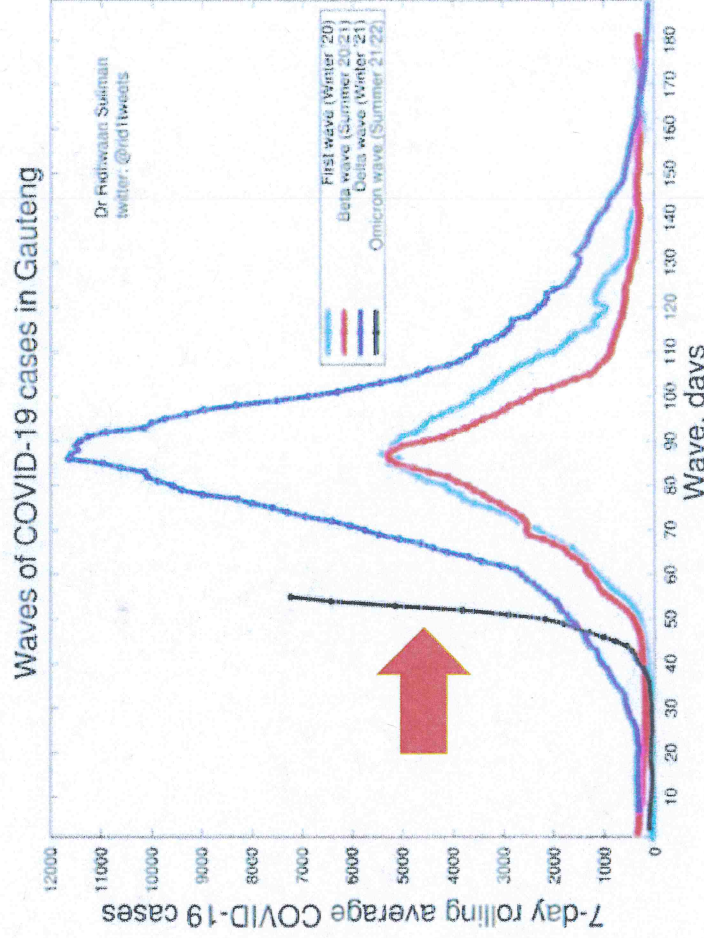
## Immune Escape:

- First omicron lab study on immune escape was released 12/7.
- Among people with the 2-dose Pfizer series, neutralizing antibodies saw a 40 fold reduction with omicron compared to the original virus. Pfizer reported a 25 fold increase in neutralizing antibodies against omicron after a booster dose.
- Much more data is needed.

## Severity:

- Preliminary reports suggest a more mild form of illness, but much more data is needed.
- Even if severity is lessened, high infection rates could result in a high number of hospitalizations due to proportional volume of those susceptible to illness.

7-day rolling average of COVID-19 cases in South Africa (Our World in Data)



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Source: John Hopkins University CSSE COVID Data

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# Mitigating the Current Trend



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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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\* <https://www.cdc.gov/coronavirus/2019-ncov/community/community-mitigation.html#:~:text=CDC%20recommends%20universal%20indoor%20masking,layered%20prevention%20strategies%20in%20place>







## RECOMMENDATIONS

In-line with CDC guidance, the Jackson County Health Department continues to support wearing a mask, regardless of vaccination status, in all indoor places within Eastern Jackson County, including schools. Residents should seek COVID-19 vaccination and/or an appropriate booster as soon as possible.

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