

COVID-19 Updates: Quarantine Guidance

Wake County Board of Education - Work Session

January 18, 2022

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Health Guidance Considerations for COVID-19

1.



Vaccinations

Recommended range of 70%-90% vaccinated for students and staff

2.



Positive Cases

Significant declining rate covering 28 days (2 incubation cycles)

3.



Cases per 100,000

7-day average 10 cases or less per 100,00 in the community

The following considerations are used for all decisions when discussing necessary health guidelines during in-person instruction. There is no single metric that can be calculated from these three areas that will automatically trigger a change in guidance. All three will be used and given the weight needed based on the circumstances.

As of January 13, 2022

Vaccination rates:

Students age 12-17 with at least one dose: 69%

Students age 12-17 with two doses or one dose of J&J: 66%

Students age 5-11 with a least one dose: 42%

Students age 5-11 with two doses or one dose of J&J: 34%

Staff: Between 80% and 90%

Positive cases: significant increases in cases as of 12/27/21

Cases per 100,000: 2,661 cases per 100,000 as of 1/13/22

Percent Positivity : 26.98% as of 1/13/22



NC DHHS Toolkit Updates Summary

- There have been no changes to the face covering guidance despite changes to the quarantine guidance updates.
- When students are outdoors, masks are optional, and when students are actively eating or drinking, they do not have to mask.
- This includes when students are on days 6-10 returning from isolation/quarantine.

NC DHHS Toolkit Updates Summary - If You Test Positive (Isolate)

Everyone, regardless of vaccination status

- Stay home for 5 days
- If you have no symptoms or your symptoms are resolving after 5 days, you can leave your house.
- Continue to wear a mask around others for 5 additional days.
- If you have a fever, continue to stay home until your fever resolves.



NC DHHS Toolkit Updates Summary - If You Were Exposed to Someone with COVID-19 and Up To Date on Vaccinations

- Wear a mask around others for 10 days.
- Test on day 5, if possible

If you develop symptoms get a test and stay home.



NC DHHS Toolkit Updates Summary - If You Were Exposed to Someone with COVID-19 and Up To Date on Vaccinations

- Stay home for 5 days. After that, continue to wear a mask around others for 5 additional days.
- If you can't quarantine you must wear a mask for 10 days.
- Test on day 5 if possible.

If you develop symptoms get a test and stay home.

Dialogue and Questions

FROM HERE,
ANYTHING
IS POSSIBLE.

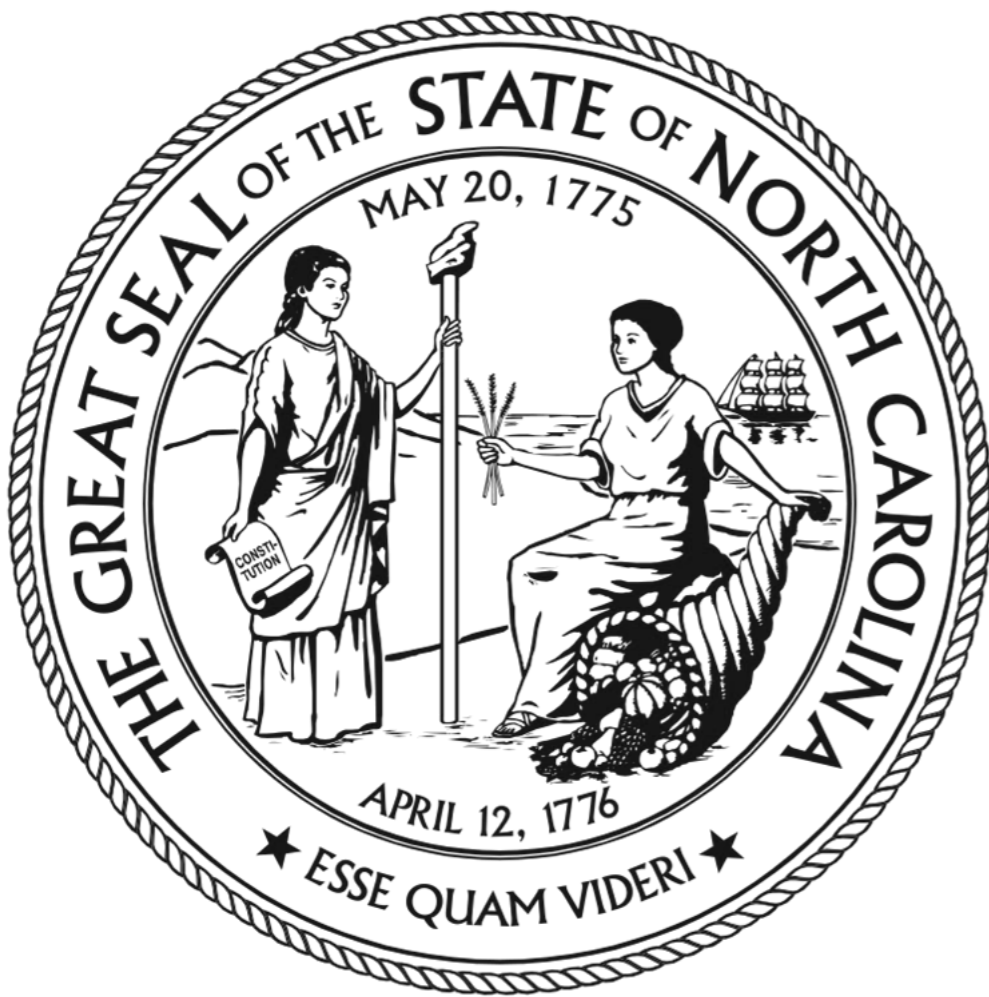
NC DHHS K-12 COVID-19 Response Updates

January 18, 2022



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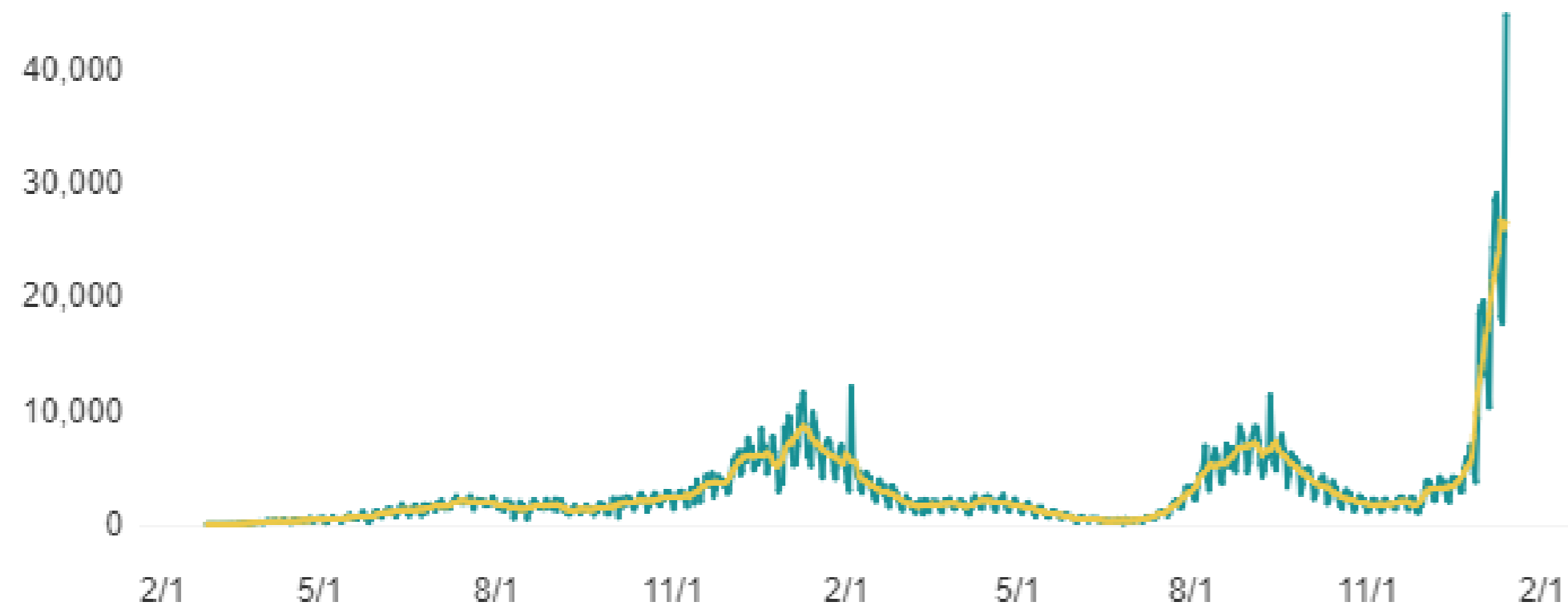
Statewide COVID-19 Updates & Data Trends

January 18, 2022

Four Key Metrics- Rising steeply again

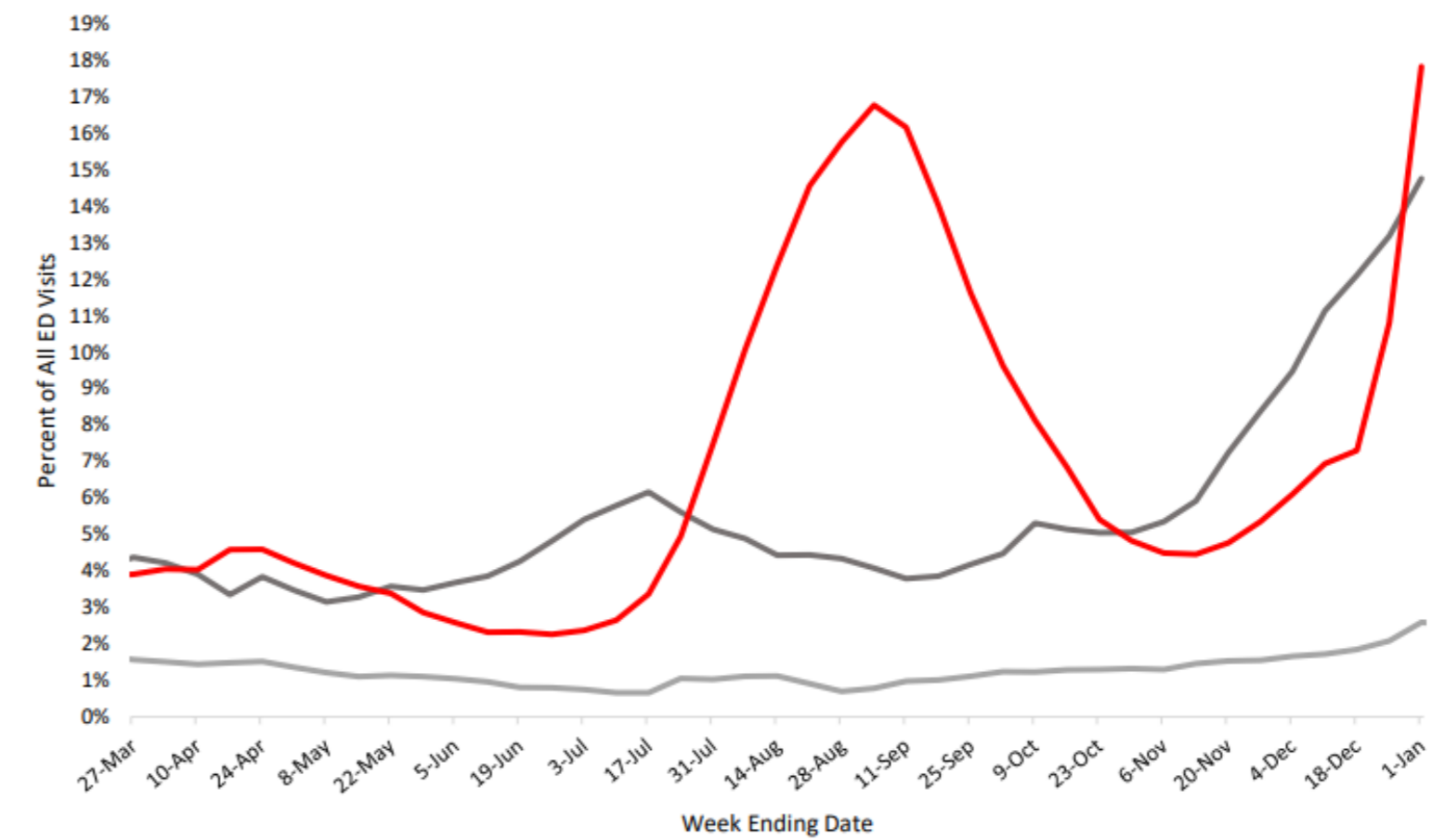
Daily Cases by Date Reported

Is North Carolina seeing a downward trajectory over 14 days, or sustained leveling in new cases?



Total Cases
1,975,543

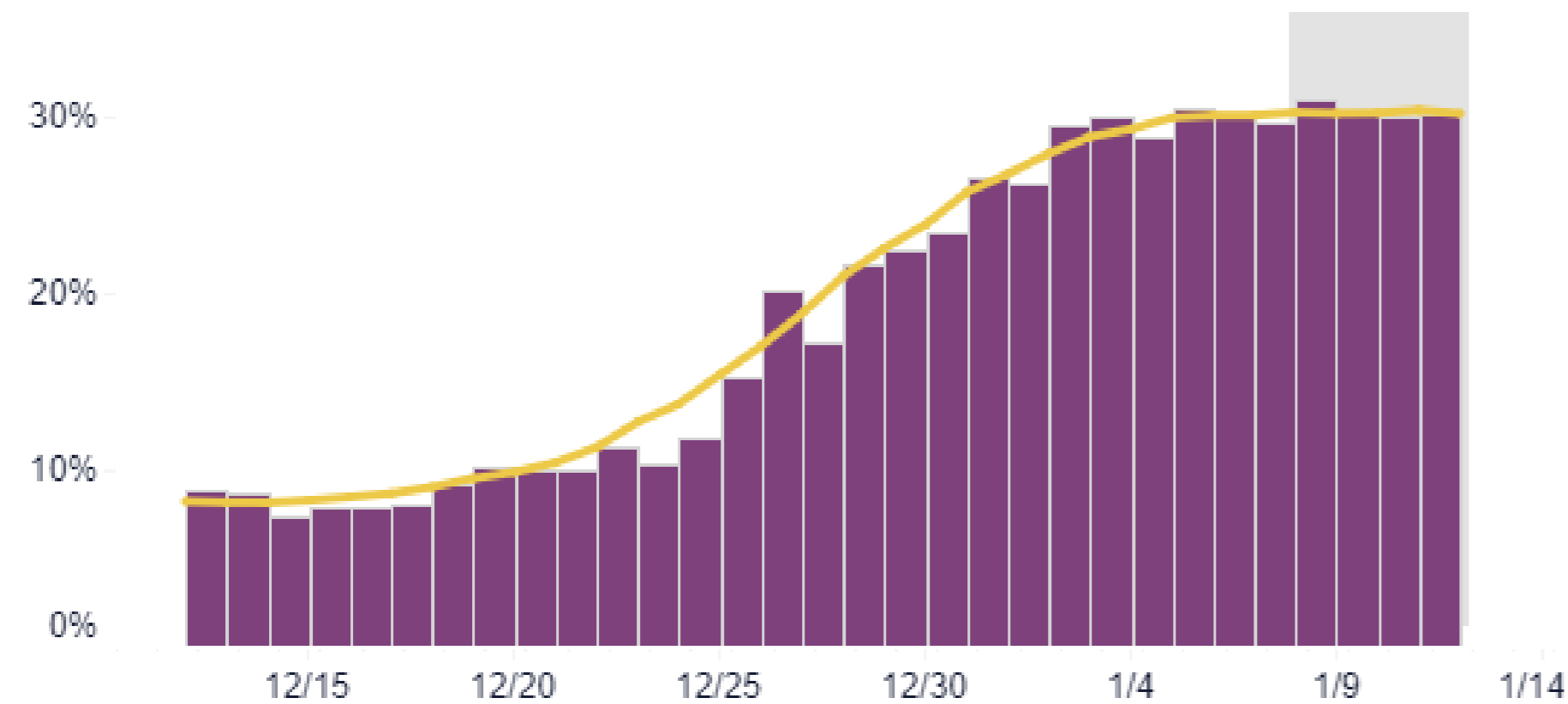
What Percentage of ED Visits this Season are for COVID-like Illness Compared to Previous Seasons?



Source: NC DETECT
Generated: 01/05/2022

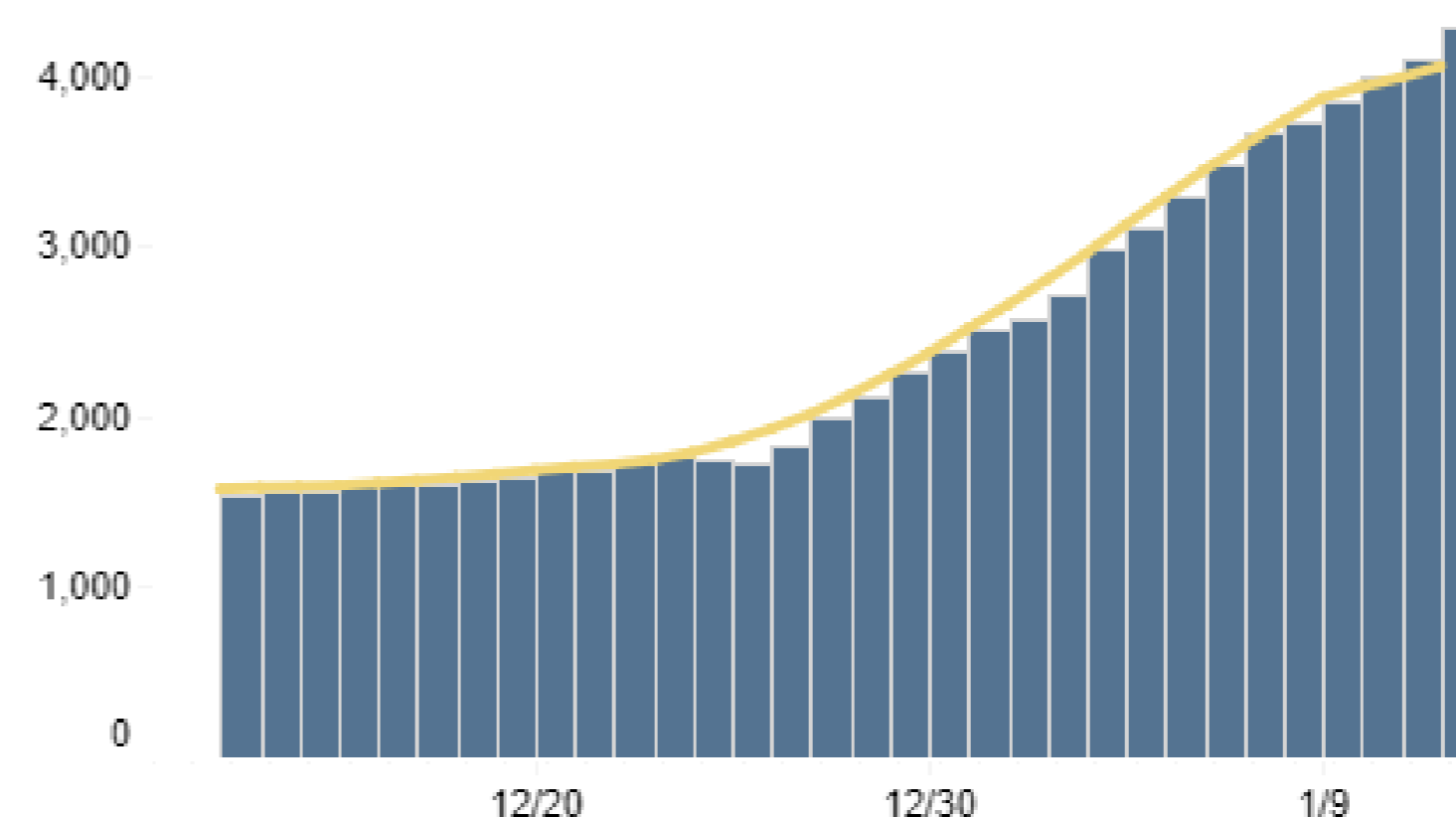
— 2019-2020 — 2020-2021 — 2021-2022

Positive Tests as a Percent of Total Tests



POSITIVE TESTS
30.1%

Daily Number of People Currently Hospitalized



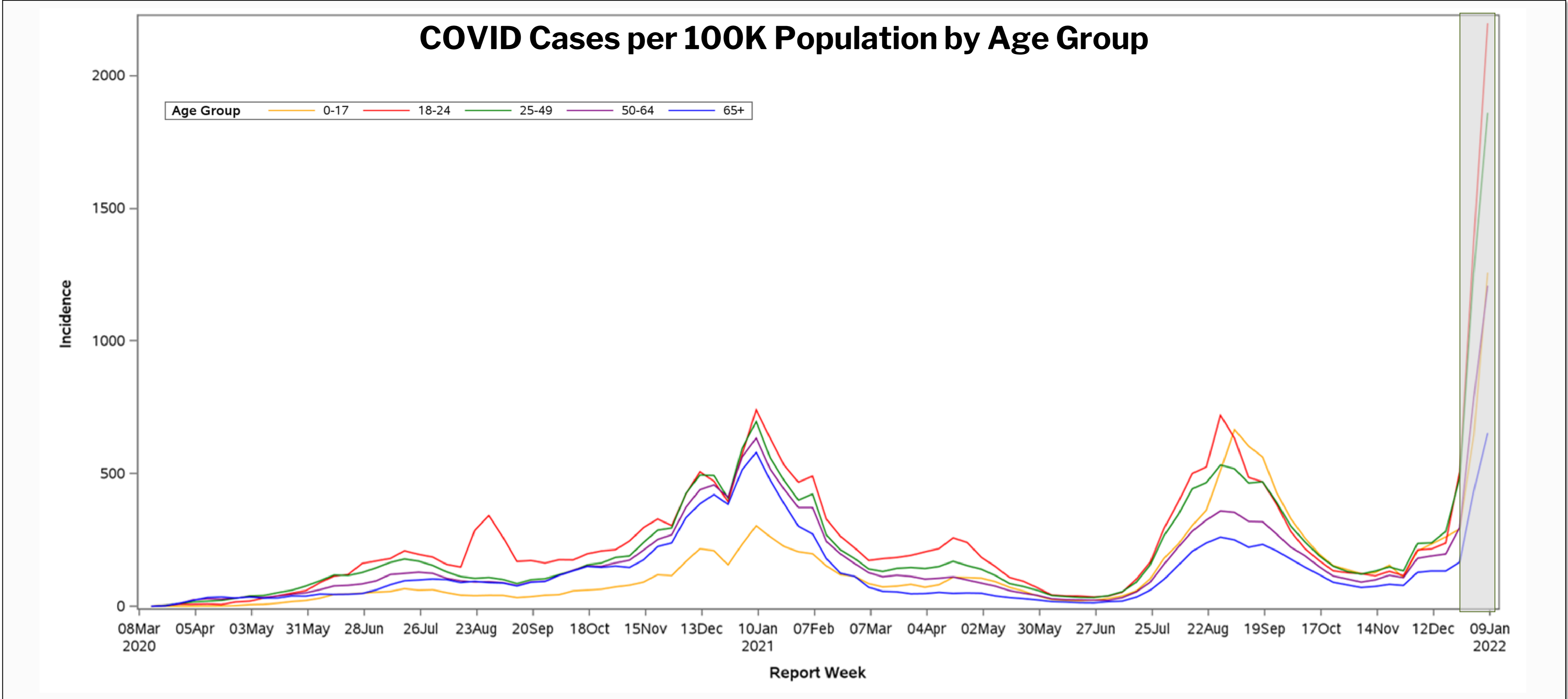
4,275
Currently Hospitalized

95%
Hospitals Reporting

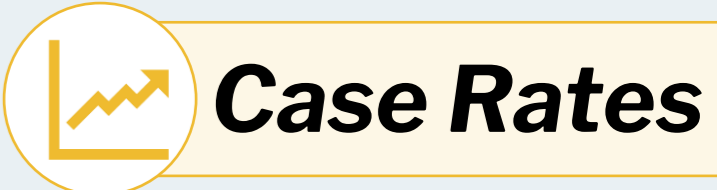
Case Rates Rapidly Increasing Across All Age Groups



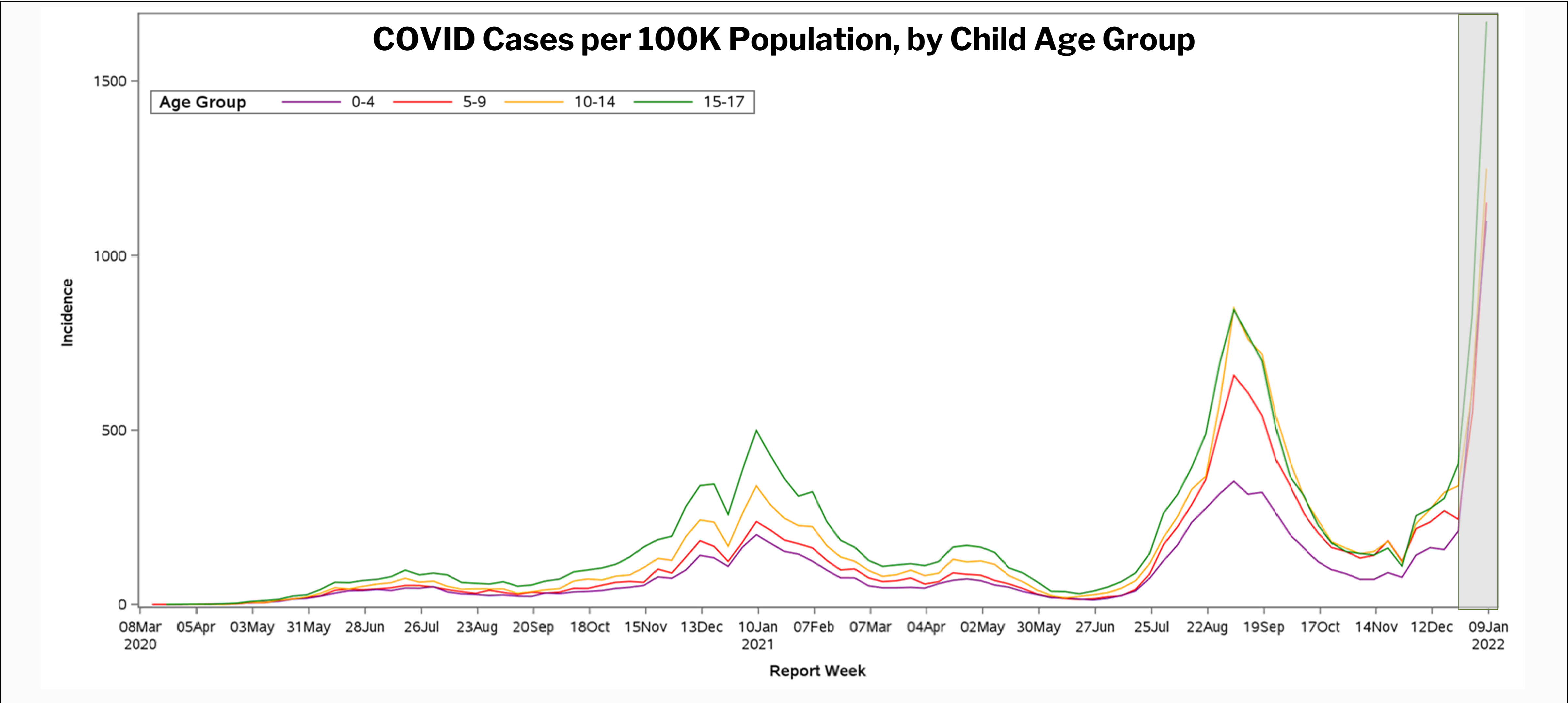
Case rates across age groups have rapidly increased begun to converge; rates among the 0–49-year-old age groups remain the highest.



Case Rates Rapidly Increasing Among Children



Case rates remain higher among school-aged group (as compared to 0–4-year-olds).



Impact on Infection and Clinical Illness

- Highly transmissible. Likely at least two-three times as contagious as Delta
- Rapidly spreading – Estimated to be at least 95% of what is circulating in Southeastern US region
- Preliminary data suggests less severe disease – Affects upper respiratory track (nose and throat) more than lower respiratory tract (lungs)

Impact on Vaccines and Therapeutics

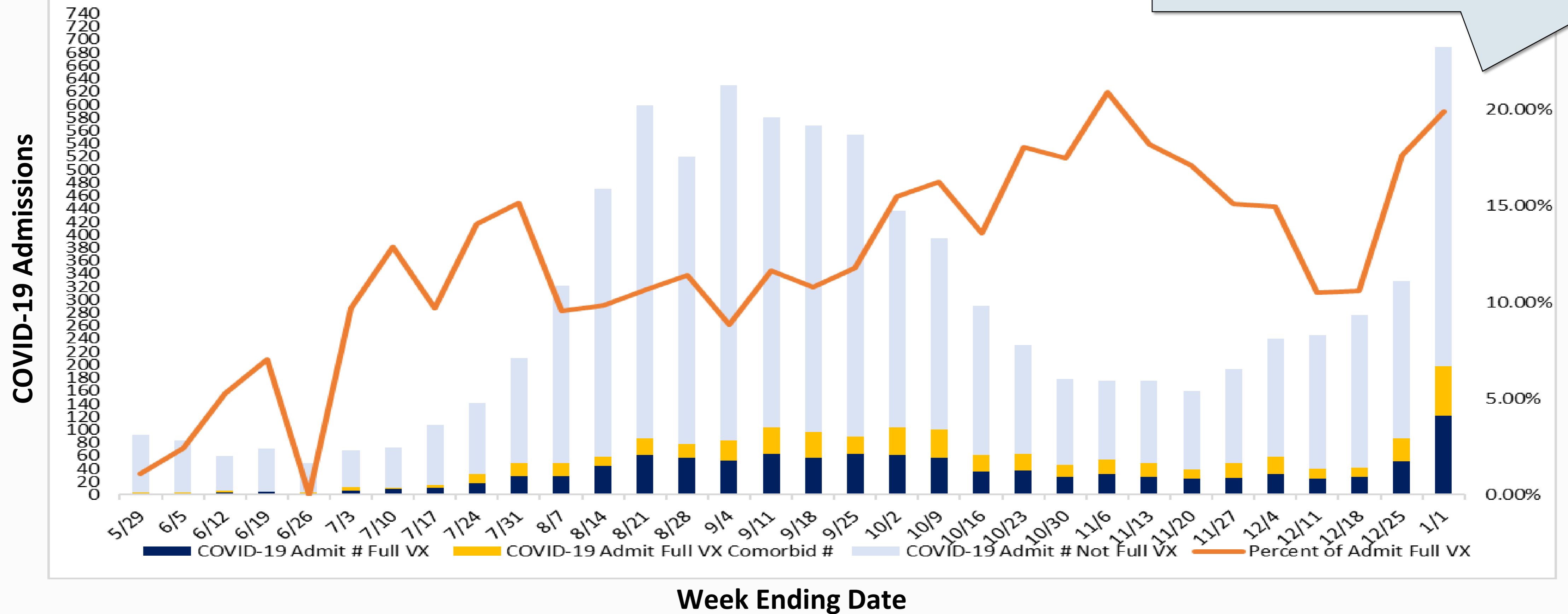
- **Decreased protection from primary series of vaccination or past infection.**
- **Boosters provide increase protection.** A COVID-19 vaccine booster dose restores vaccine effectiveness against infection to 75%. Boosters reduce risk of hospitalization by 81%.
- **Decreased protection from some therapeutics:** Decreased effectiveness of monoclonal antibodies, except Sotrovimab. Other Antivirals (remdesivir, molnupiravir, and PAXLOVID™) still appear to be effective.

COVID-19 PHE Admissions by Vaccination Status
Data through January 01, 2022

What proportion of PHE admissions were fully vaccinated?

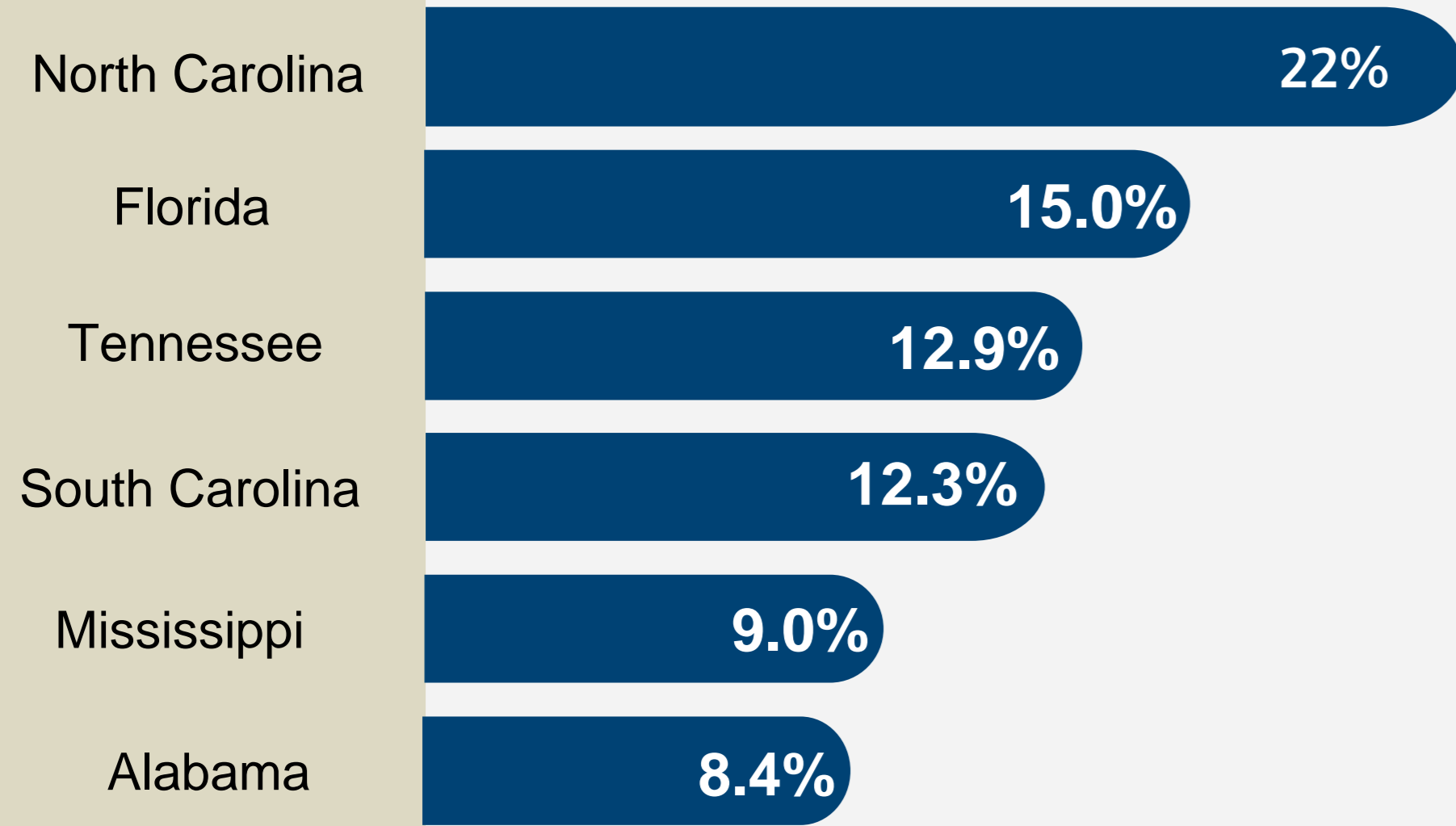
Unvaccinated individuals account for:

- 80% of COVID hospitalizations



PEDIATRIC VACCINATION RATES

North Carolina has the highest pediatric vaccination rate of FEMA IV States



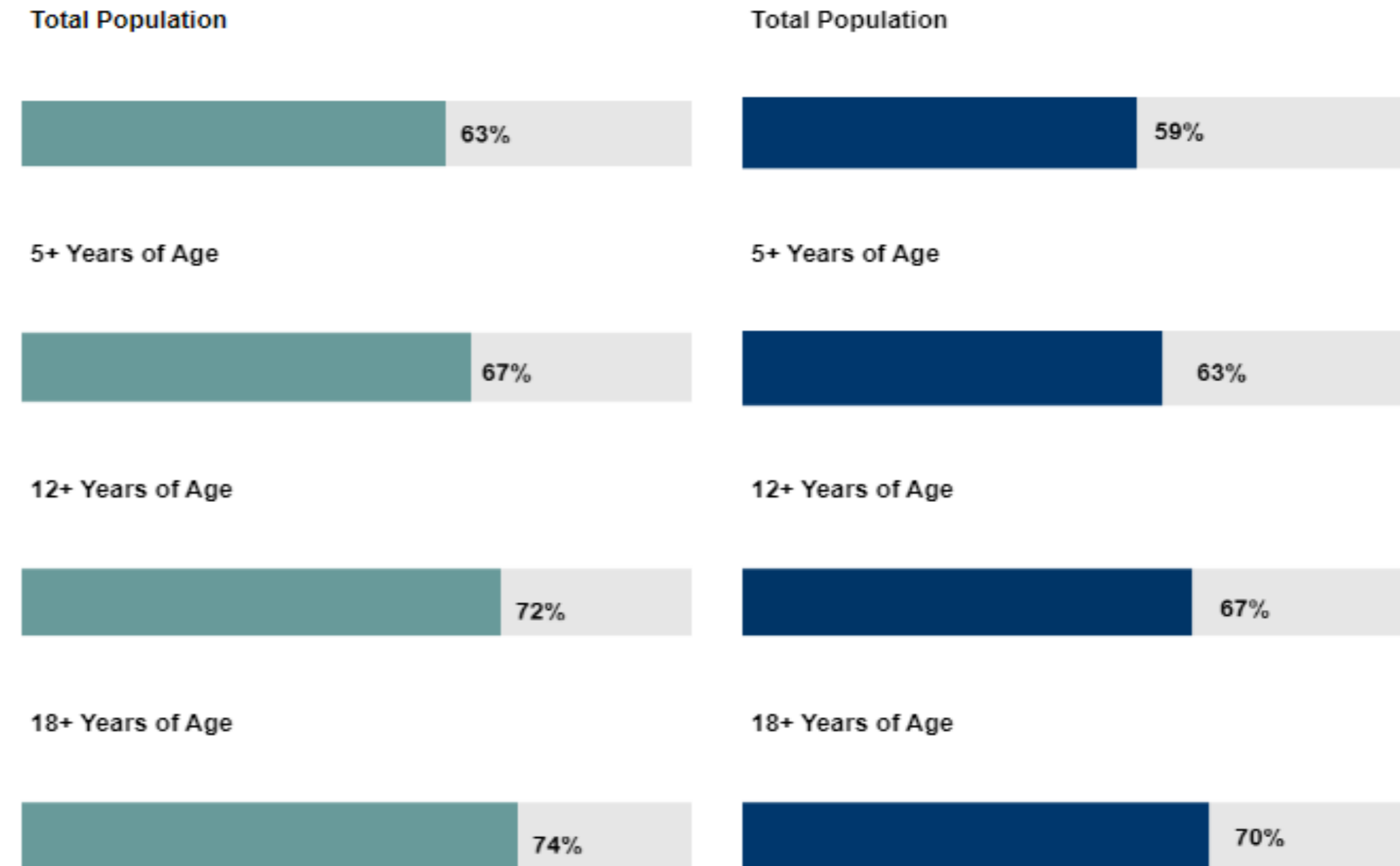
Source: All metrics are from state's public dashboards with update dates ranging from 12/30-1/3.

Note: FEMA IV states shown are states with comparable vaccine programs. Kentucky and Georgia have been excluded due to lack of data.

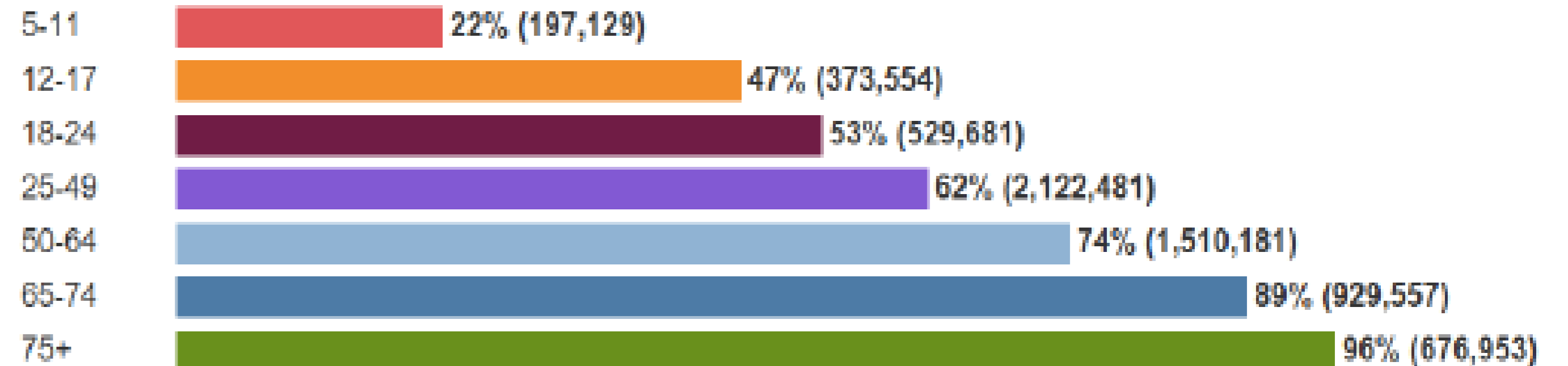
Vaccinated population regarded as at least one dose received.

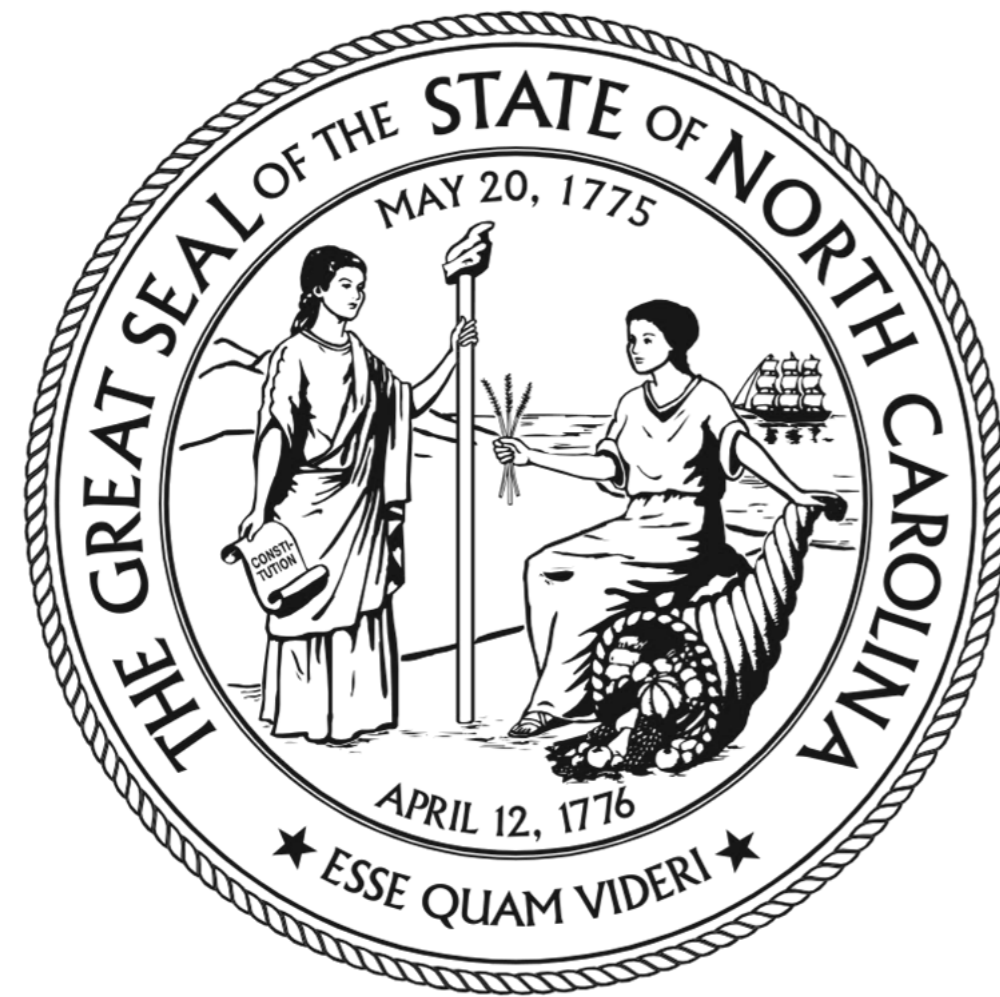
Percent of Population Vaccinated with at Least One Dose

Percent of Population Fully Vaccinated



Percent of Population Vaccinated with at Least One Dose by Age Group





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Updated Scientific Studies

January 18, 2022

FINDINGS INFORMING CDC ISOLATION AND QUARANTINE PERIODS

- Data, including a review of 113 studies from 17 countries, show that most COVID-19 transmission occurs early in the course of infection.
- Some reports suggest that compared with previous variants, Omicron has a shorter incubation period (2-4 days), defined as the time between becoming infected and symptom onset.
- Hospitalization and death rates are much lower for vaccinated people for all COVID-19 variants; preliminary data from South Africa suggest that hospitalization and death rates are lower for people infected with Omicron compared with other variants.
- Early estimates of lower vaccine effectiveness against symptomatic infection due to Omicron after the Pfizer-BioNTech primary series suggest that booster doses are important to improve protection from hospitalization and death due to infection with the Omicron variant.

<https://www.cdc.gov/coronavirus/2019-ncov/if-you-are-sick/quarantine-isolation-background.html>

UPDATED SCIENCE BRIEF: COMMUNITY USE OF MASKS TO CONTROL THE SPREAD OF SARS-COV-2

- <https://www.cdc.gov/coronavirus/2019-ncov/science/science-briefs/masking-science-sars-cov2.html>
- **Updated review on data on masks**
- Summarize findings **of 21 different studies that showed benefit of masks.**
- Including new study among eight public K-12 school districts in Massachusetts
 - 70 schools (with >33,000 enrolled students) during the 2020–21 school year
 - Secondary attack rate of 11.7% for unmasked versus 1.7% for masked interactions.

NC Reported K-12 Clusters (October 10 – December 7, 2021)

According to Face Mask Policies

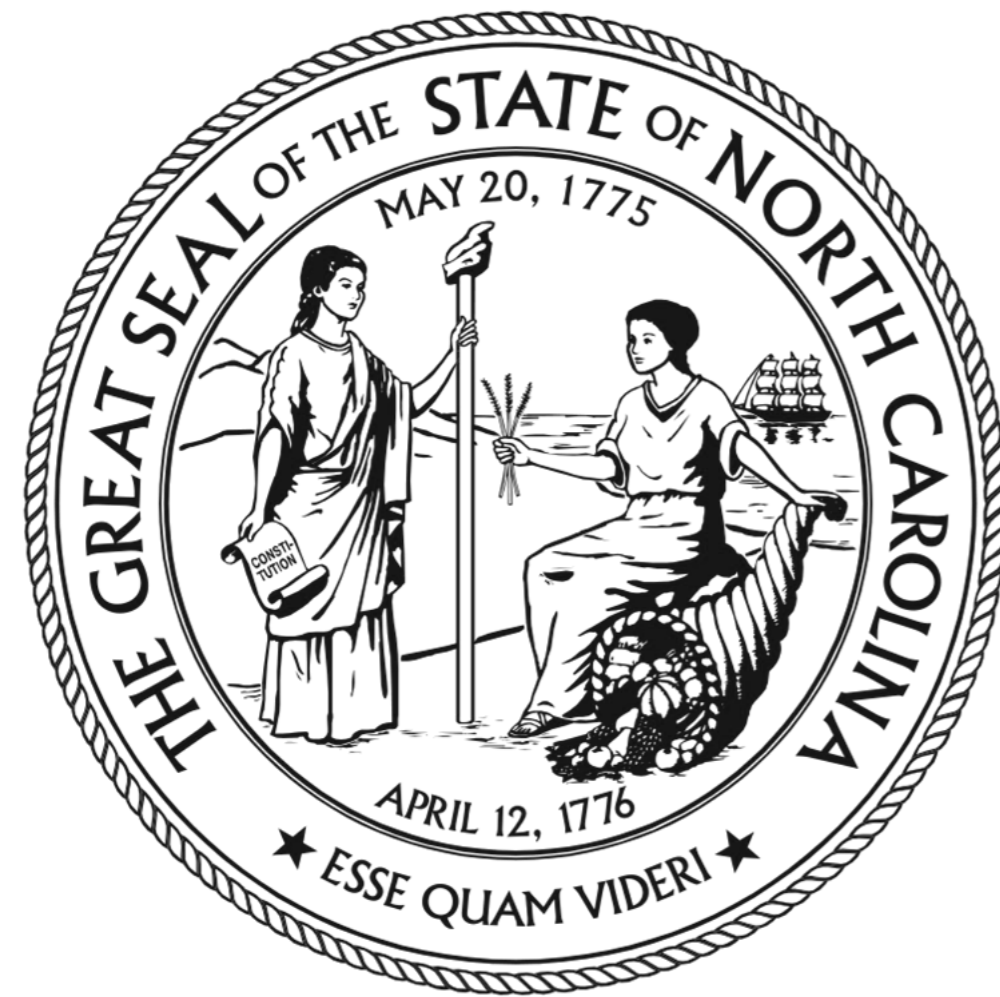
- **21 of 46 districts (45%) with optional mask policies** reported a cluster during this time frame, compared with **6 of 65 districts (9%) with mandatory mask policies**
- Among counties that reported a K-12 clusters during this period, there was an average of **7.2 clusters/100 schools** in **mask optional counties (n=21)** and **2.4 clusters/100 schools** in **masks required counties (n=6)**
 - This represents a 3-fold difference comparing counties by school mask policy
 - 71 counties did not report a cluster during this time period; 2 were excluded due to changes in policy

Notes:

1. This analysis is based solely on K-12 clusters reported to public health during an 8-week period. Jurisdictions were considered mask optional if they had a mask optional policy for at least one week during the 8-week timeframe.
2. This analysis does not account for other factors that could affect cluster occurrence or reporting – e.g., incidence rates among school-age cases or vaccine uptake.

TEST TO STAY PILOTS

- CDC reported data on test to stay pilots in two school districts (CA, IL)
 - Limited to universally masked settings with fully masked exposures for both person with infection and person exposed
 - Secondary attack rate 0.7-1.5%. No increase in transmission in test to stay environments
- [NC – ABC collaborative Test to stay research pilot.](#)
 - Over six weeks, enrolled 367 participants from five North Carolina school districts and one charter school. Data through December 13, 2021
 - All masked required schools. Test to stay for brief unmasked exposures in mask required settings (e.g., lunch, athletics)
 - In-school secondary transmission rate 1.7%. No documented transmission from study participant to another person
 - While still low, exposure during athletics higher risk than other exposures
 - Most exposures occurred during lunch (39%). Only 13% of exposures occurred during athletics; however, these exposures accounted for 50% of all individuals with positive tests.



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StrongSchoolsNC Toolkit

January 18, 2022

CONSISTENT GUIDANCE

Data continues to support importance of two key prevention strategies

- **Vaccination and Boosters**
- **Masking**

Based on evolving data on COVID-19 and the Omicron variant, CDC revised isolation and quarantine guidance.

High Level Major Changes

- **People with COVID-19** - Isolate for at least 5 full days and wear a mask for an additional 5 days.
- **People exposed to COVID-19** - Quarantine for 5 days and wear a mask for an additional 5 days. Exemptions in all settings
 - People vaccinated against COVID-19. For adults, this includes boosters.
 - People who tested positive for COVID-19 in past 90 days.
 - When both people were consistently masked during the exposure.

NEW GUIDANCE ON TEST TO STAY

- **In mask required school settings only**, individuals not otherwise exempt from exclusion after exposure, do not need to be excluded from school after an unmasked exposures (e.g. during lunch or extracurricular).
 - Individuals should get tested on the day of notification of exposure and as close to 5 days as possible after exposure and wear a mask in school settings.
 - If tests are limited, exposures during athletics should be prioritized
 - This applies to exposures in or out of school but does not apply to in-home exposures.
 - Outside of school, individuals should stay home, not attend non-school activities and wear a mask anytime they leave the house.
- Will continue to monitor data with Omicron spread.
- ABC collaborative has enrolled 7 mask optional school districts in the next phase of the pilot. Can consider change in guidance for those settings based on forthcoming data.



Wake County COVID-19 Update

January 18, 2022

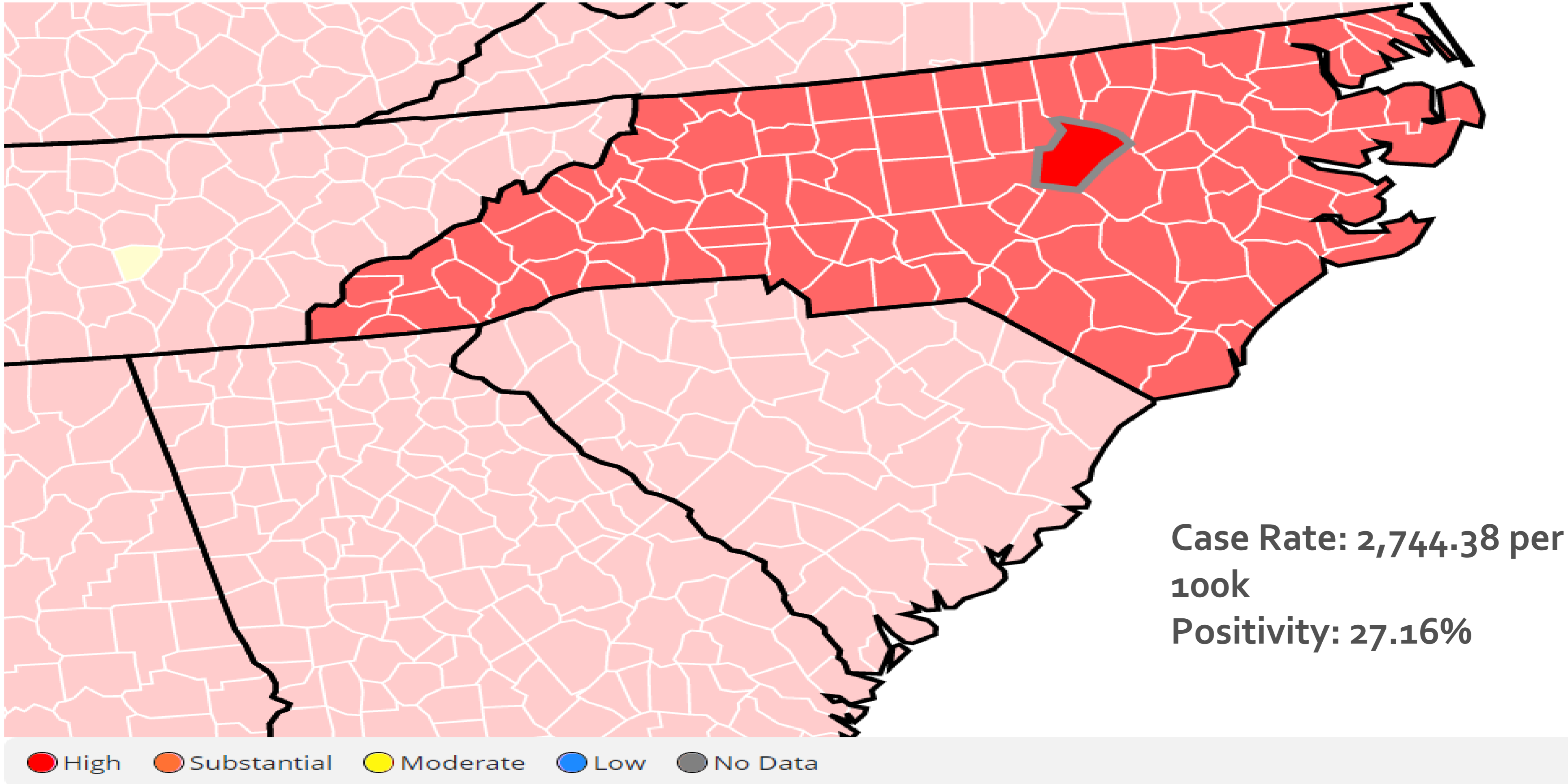
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@wakegov    

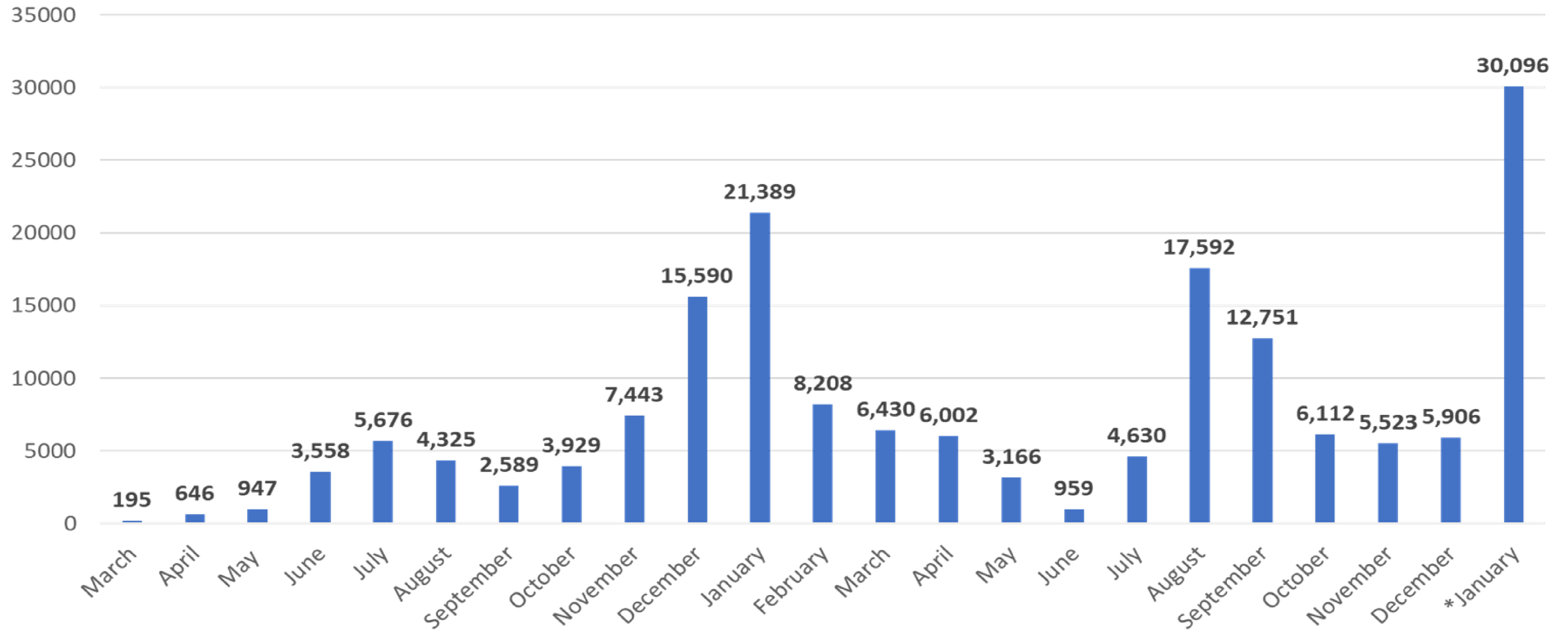


wakegov.com

CDC COVID Data Tracker 1/5-1/11

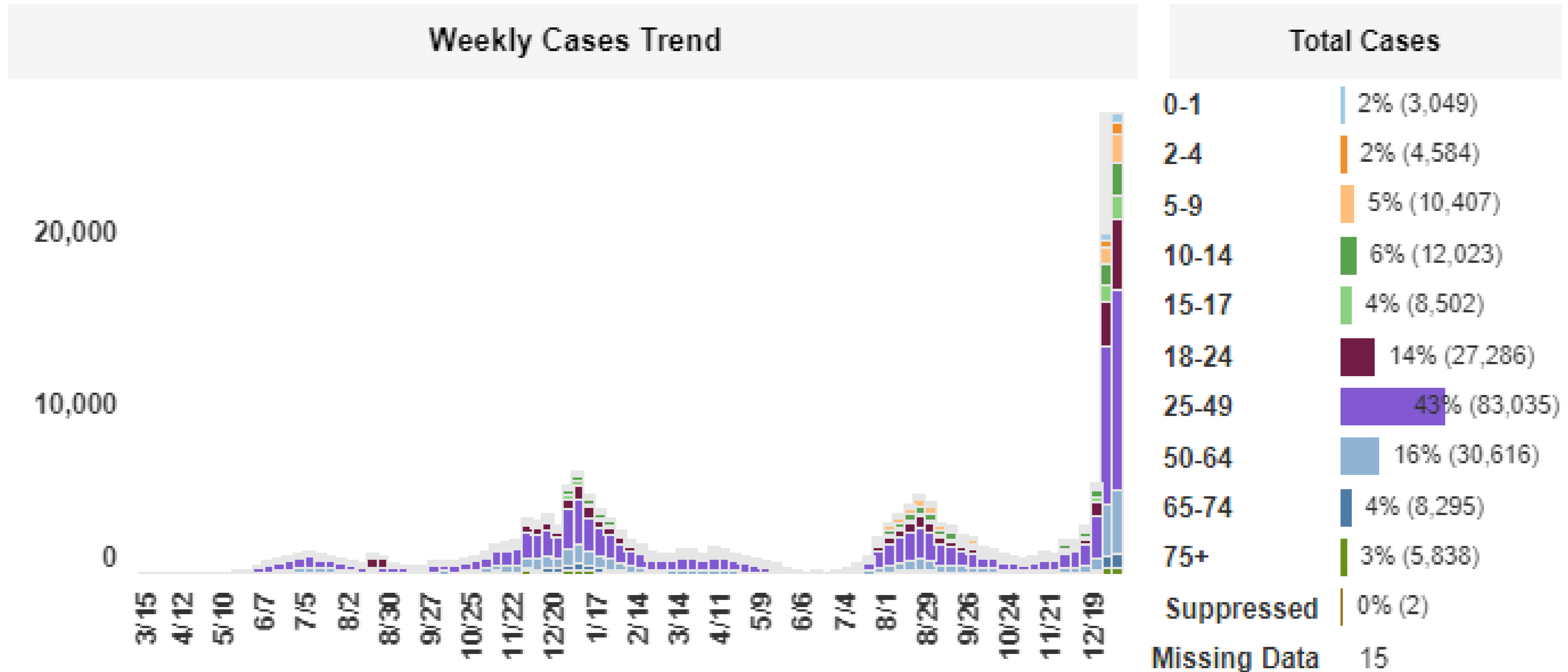


Wake County COVID-19 Cases by Month



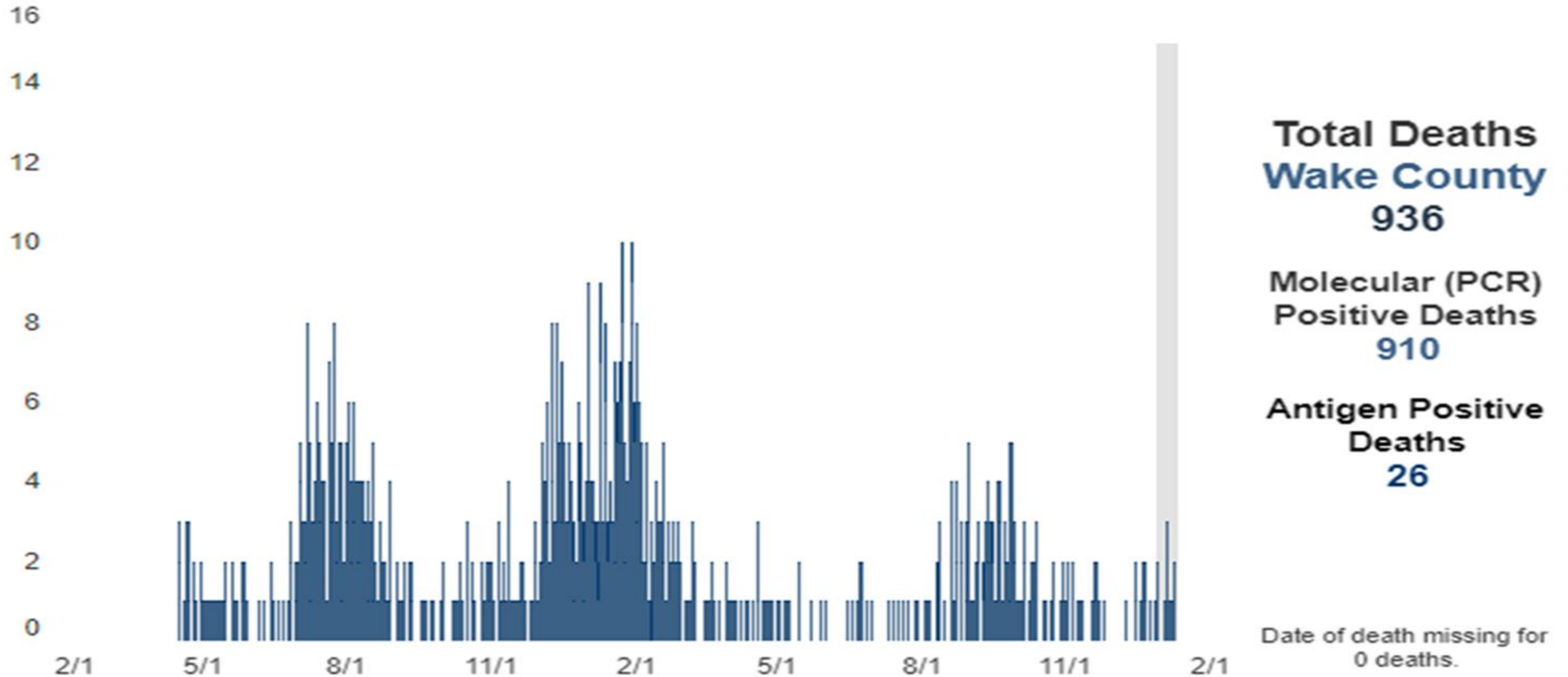
*January 1st – 9th

Wake County Cases by Age



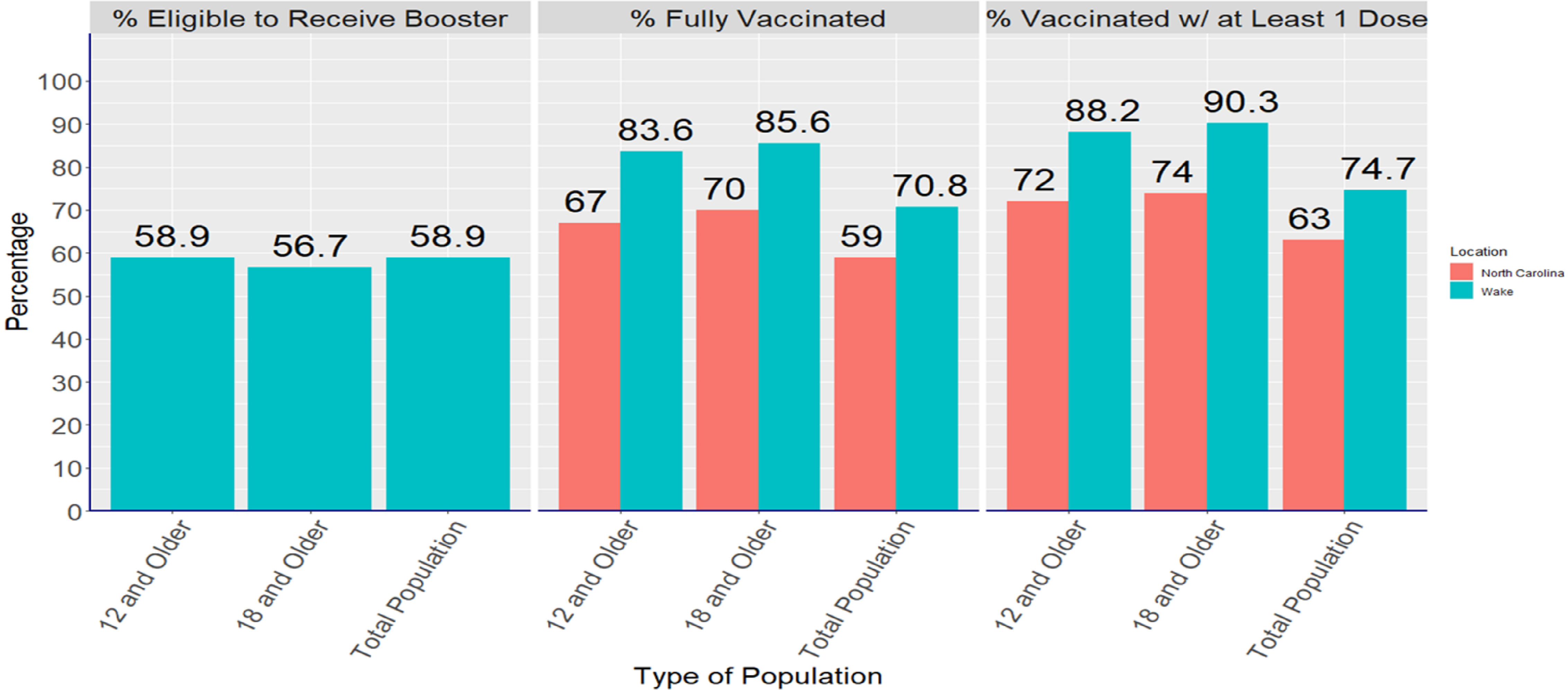
Wake County Deaths 2020-2022

Deaths by Date of Death - Wake County - Starting 3/2/2020

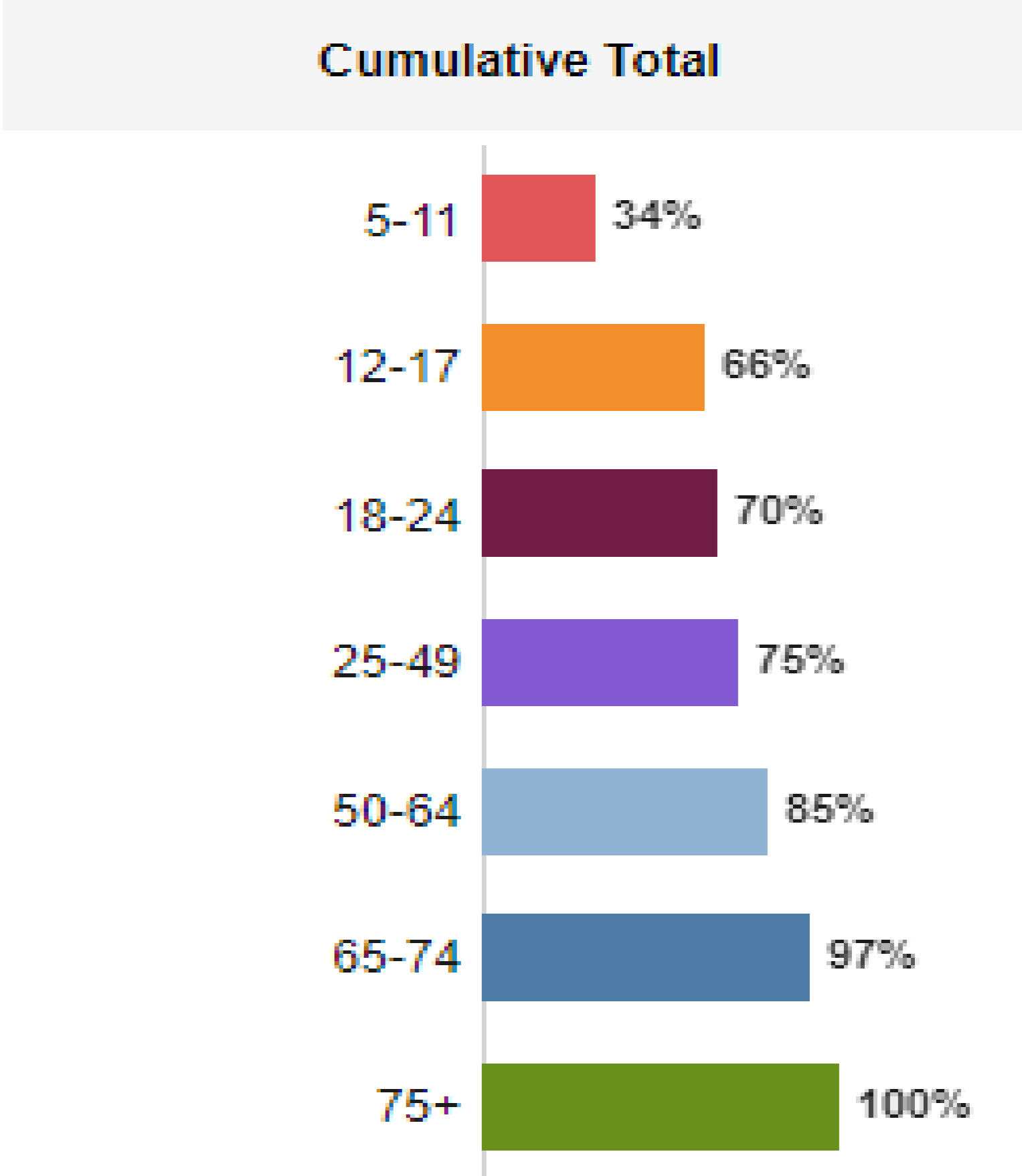
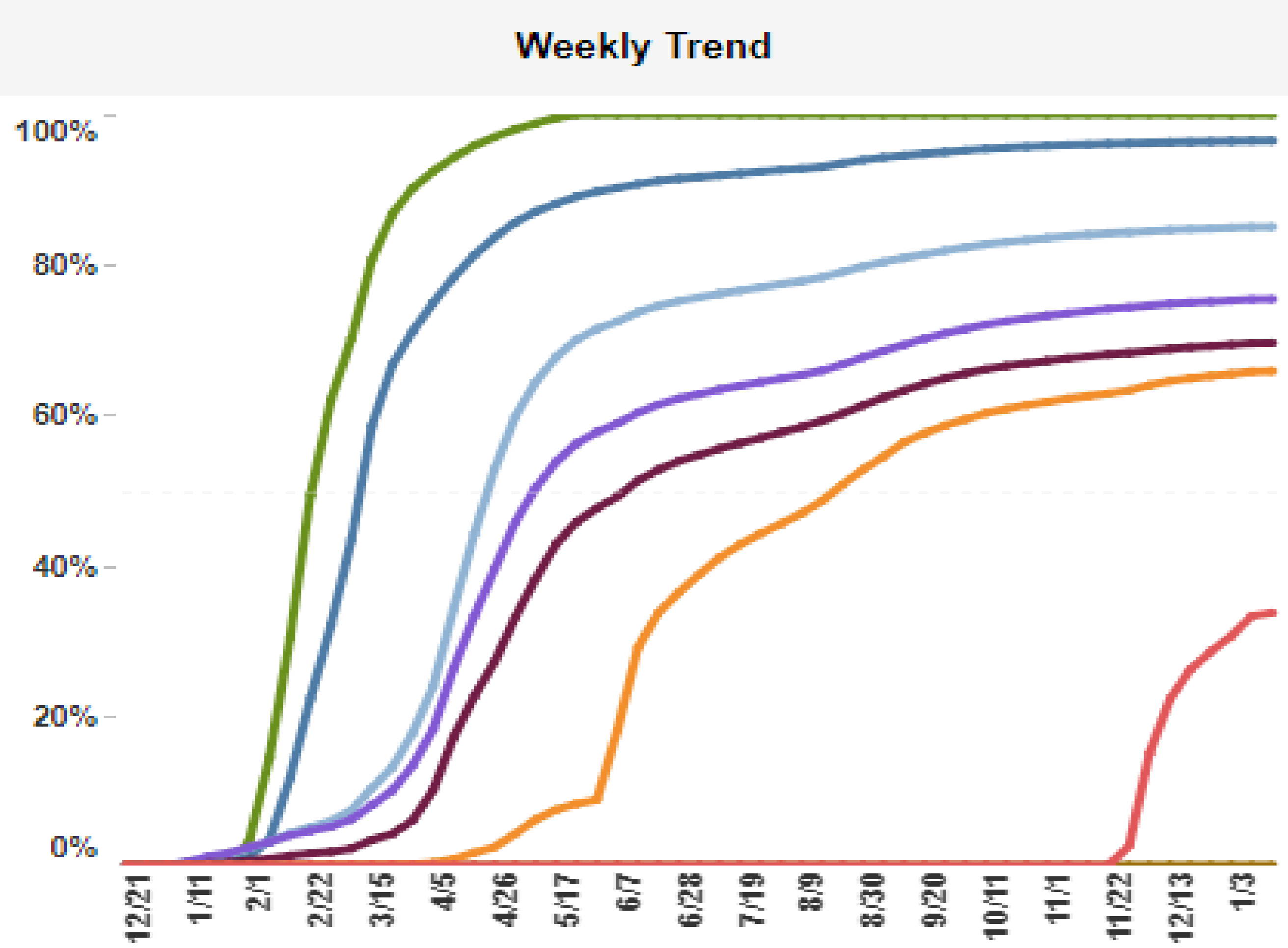


Percent of Population Vaccinated

#VaccinateWake - Information on Population Vaccinated in Wake County



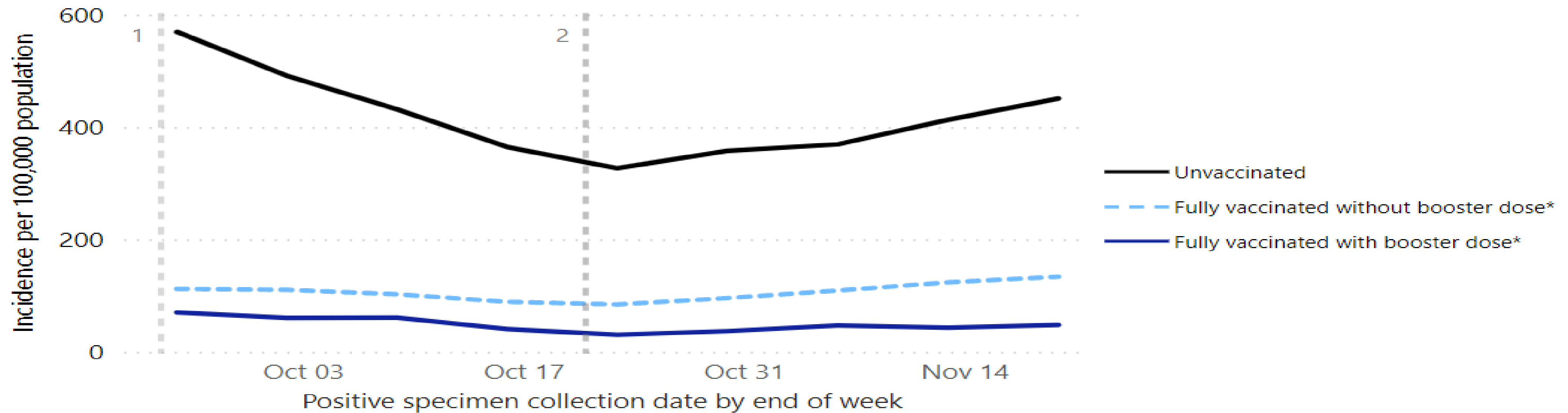
Percent of Population Vaccinated



Why Vaccination Matters

Rates of COVID-19 Cases by Vaccination Status and Booster Dose*

September 19 - November 20, 2021 (17 U.S. jurisdictions)



In October, unvaccinated persons had:

10X

Risk of Testing Positive for COVID-19

AND

20X

Risk of Dying from COVID-19

compared to fully vaccinated persons with additional or booster doses

CDC Isolation/Quarantine Guidance

If You Test Positive for COVID-19 (Isolate)

Everyone, regardless of vaccination status.

- Stay home for 5 days.
- If you have no symptoms or your symptoms are resolving after 5 days, you can leave your house.
- Continue to wear a mask around others for 5 additional days.

If you have a fever, continue to stay home until your fever resolves.

If You Were Exposed to Someone with COVID-19 (Quarantine)

If you:

Have been boosted

OR

Completed the primary series of Pfizer or Moderna vaccine within the last 6 months

OR

Completed the primary series of J&J vaccine within the last 2 months

- Wear a mask around others for 10 days.
- Test on day 5, if possible.

If you develop symptoms get a test and stay home.

If you:

Completed the primary series of Pfizer or Moderna vaccine over 6 months ago and are not boosted

OR

Completed the primary series of J&J over 2 months ago and are not boosted

OR

Are unvaccinated

- Stay home for 5 days. After that continue to wear a mask around others for 5 additional days.
- If you can't quarantine you must wear a mask for 10 days.
- Test on day 5 if possible.

If you develop symptoms get a test and stay home

Questions