

# Ask Dr. Arwady

**1/20/2022**



# Chicago COVID-19 Community Transmission and Risk Matrix

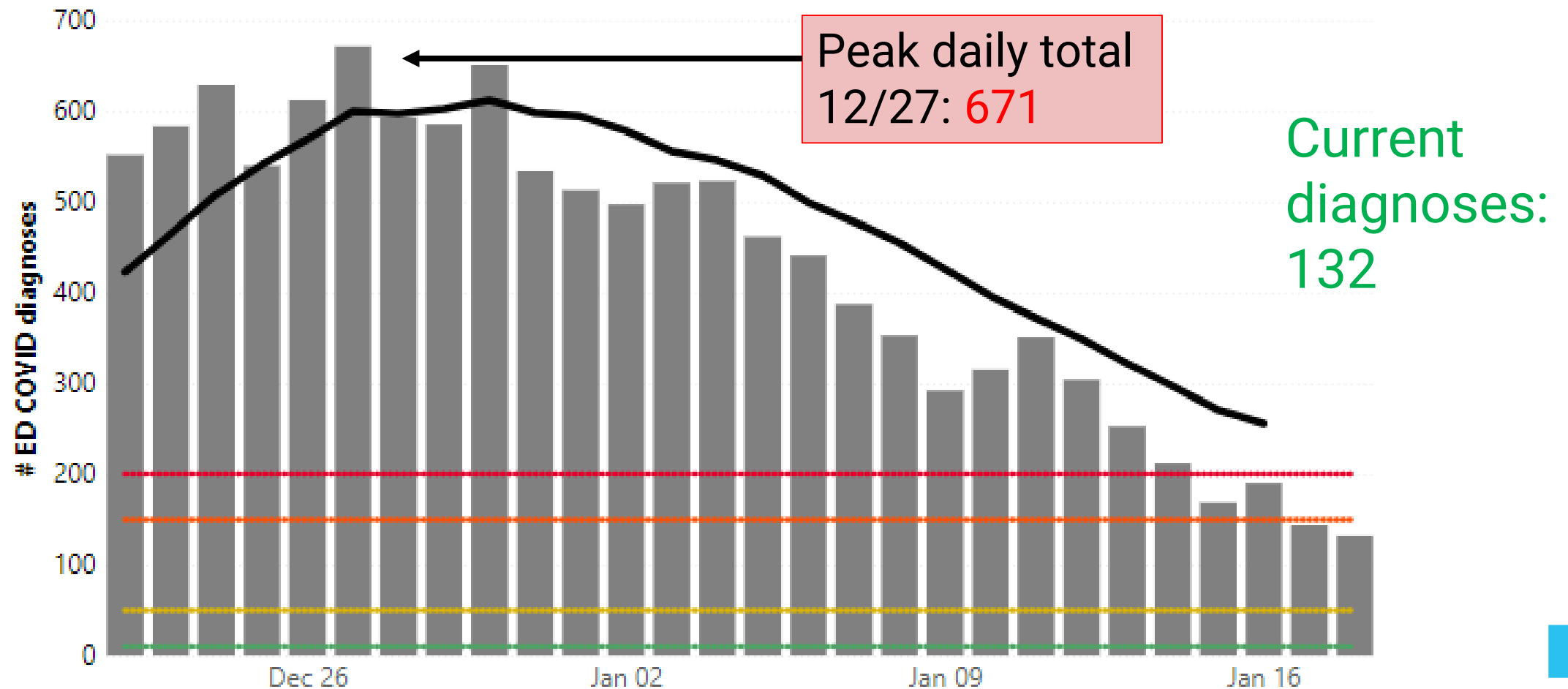
	VERY HIGH TRANSMISSION	HIGH TRANSMISSION	SUBSTANTIAL TRANSMISSION	LOWER TRANSMISSION	LOW TRANSMISSION
<b>COVID-19 CASES DIAGNOSED PER DAY</b> Chicago residents - 7-day rolling daily average	<b>800+</b> <b>Current: 2,819</b> Decreasing	<b>400 – 799</b>	<b>200 – 399</b>	<b>20 – 199</b>	<b>≤20</b>
<b>COVID-19 TEST POSITIVITY</b> Chicago residents - 7-day rolling daily average	<b>10%+</b> <b>Current: 11.9%</b> Decreasing	<b>6.6 – 9.9%</b>	<b>5.0 – 6.5%</b>	<b>2 – 4.9%</b>	<b>≤2%</b>
<b>HOSPITAL BEDS (NON-ICU) OCCUPIED BY COVID PATIENTS</b> Chicago hospitals - 7-day rolling daily average	<b>1250+</b> <b>Current: 1,406</b> Decreasing	<b>750 – 1249</b>	<b>250 – 749</b>	<b>100 – 249</b>	<b>≤100</b>
<b>ICU BEDS OCCUPIED BY COVID PATIENTS</b> Chicago hospitals - 7-day rolling daily average	<b>400+</b>	<b>300 – 399</b> <b>Current: 300</b> Stable	<b>100 – 299</b>	<b>20 – 99</b>	<b>≤20</b>

Source: Chicago Department of Public Health, data current as of January 20, 2022. These metrics represent general community COVID transmission and should not be applied to individual settings that have mitigation practices in place.

# Chicago Emergency Department COVID diagnoses peaked **December 27** and have been declining since, *though numbers remain very high*

Emergency Department visits with COVID diagnoses

● # ED COVID diagnoses ● 7-day Rolling Average ● Very high risk ● High risk ● Substantial risk ● Controlled



Chicago COVID-19 test positivity peaked **January 2** and has been declining since, *though numbers remain very high*



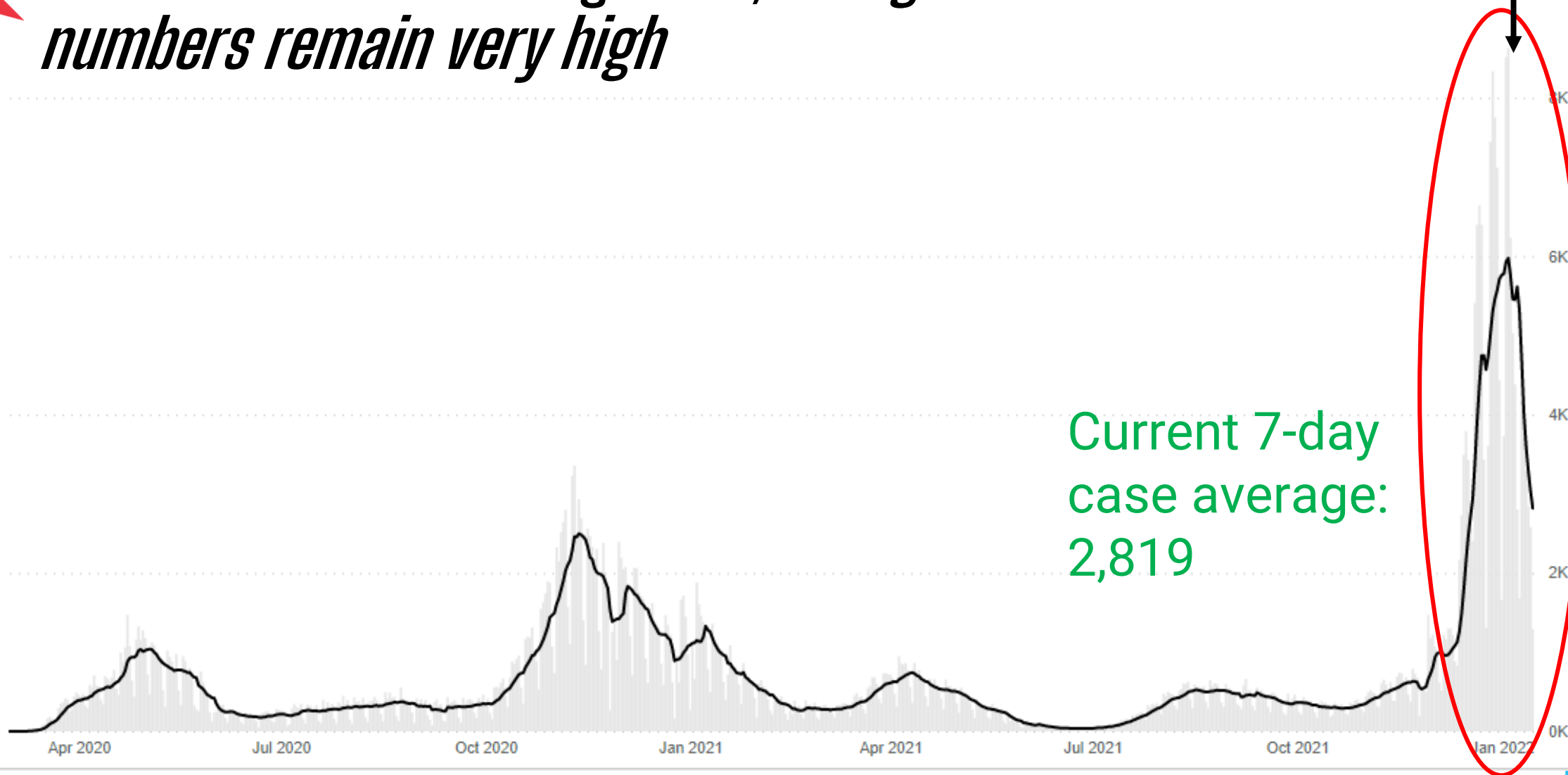
Peak positivity  
1/2: **19.4%**

Current  
positivity:  
**11.9%**

Chicago COVID-19 cases peaked **January 4** and have been declining since, *though numbers remain very high*

Peak daily total  
1/4: **8,631**

Current 7-day  
case average:  
**2,819**



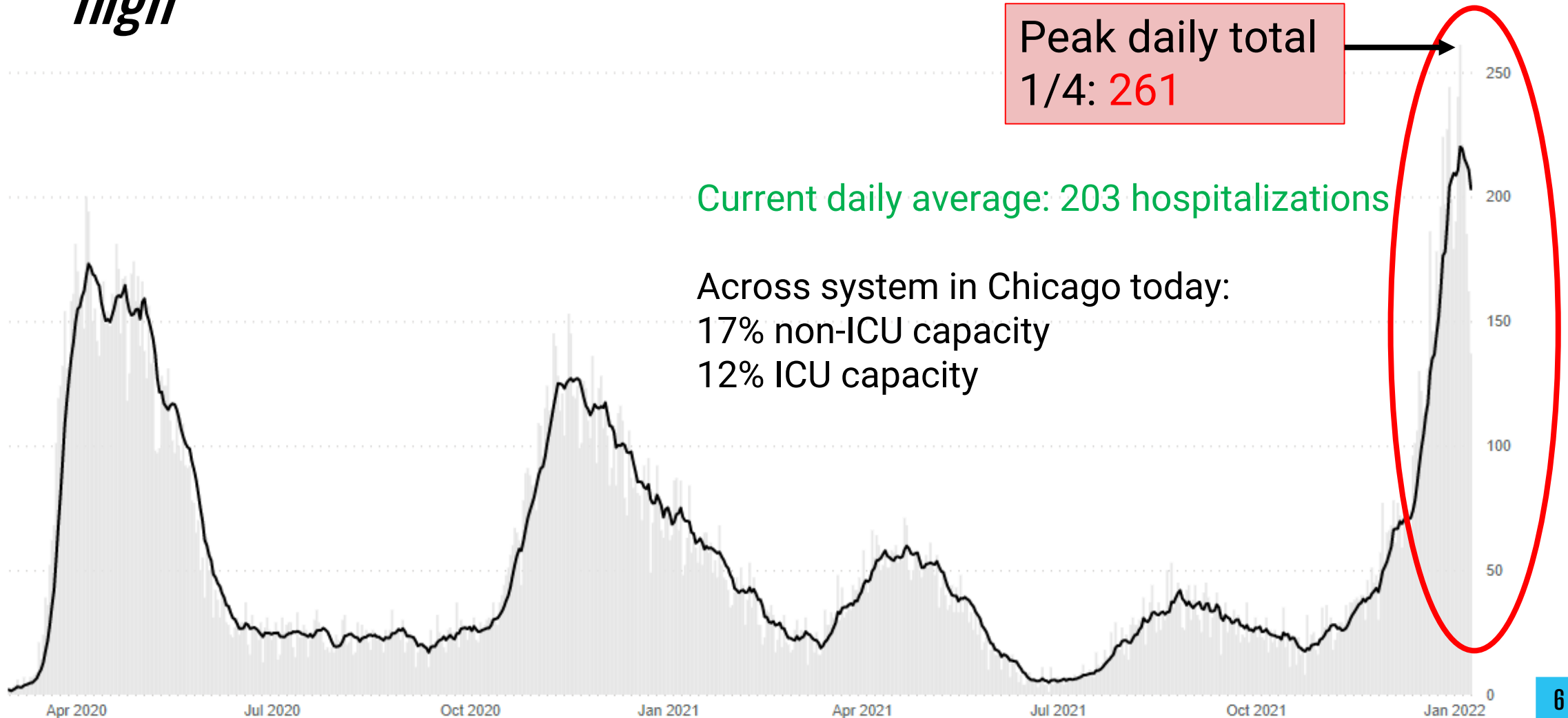
# Chicago COVID-19 Hospitalizations (new hospitalizations each day) have begun to plateau, *though numbers remain very high*



Peak daily total  
1/4: **261**

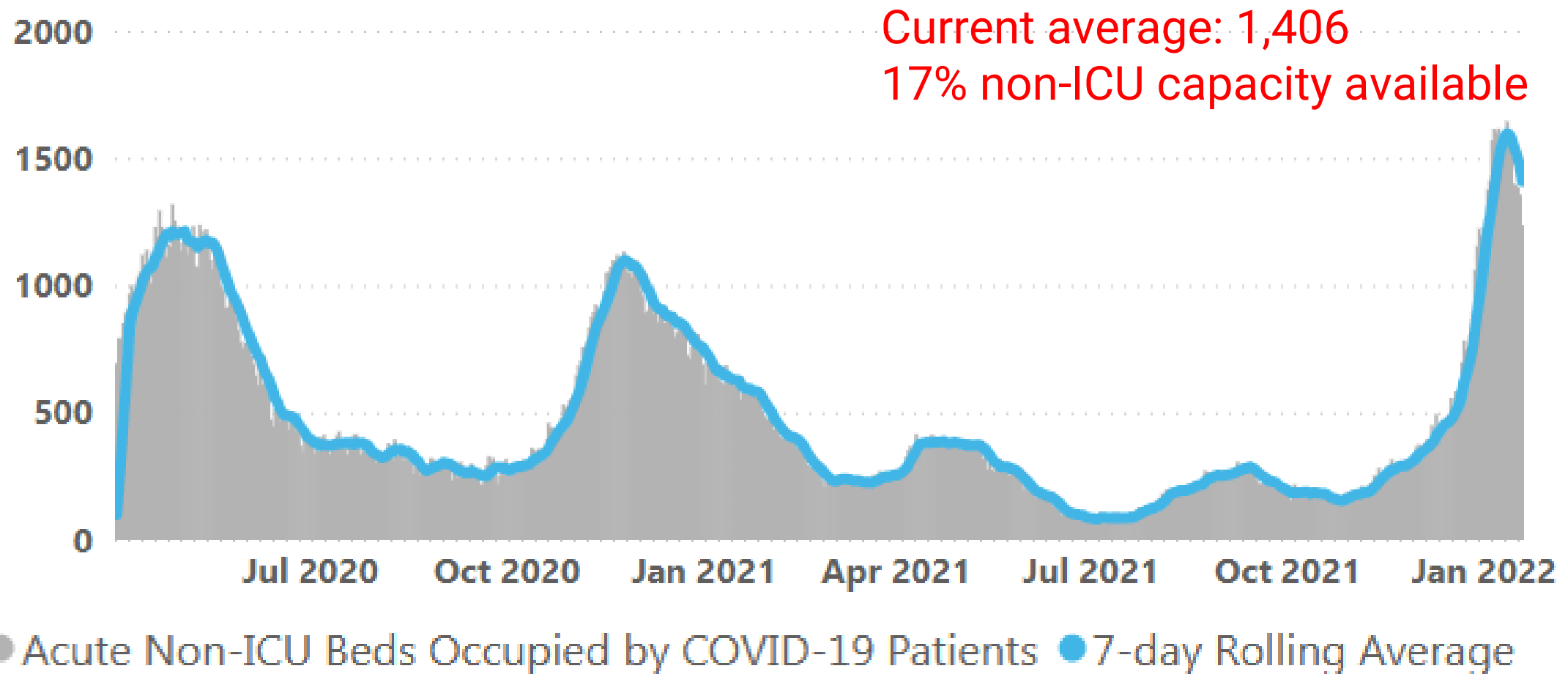
Current daily average: 203 hospitalizations

Across system in Chicago today:  
17% non-ICU capacity  
12% ICU capacity

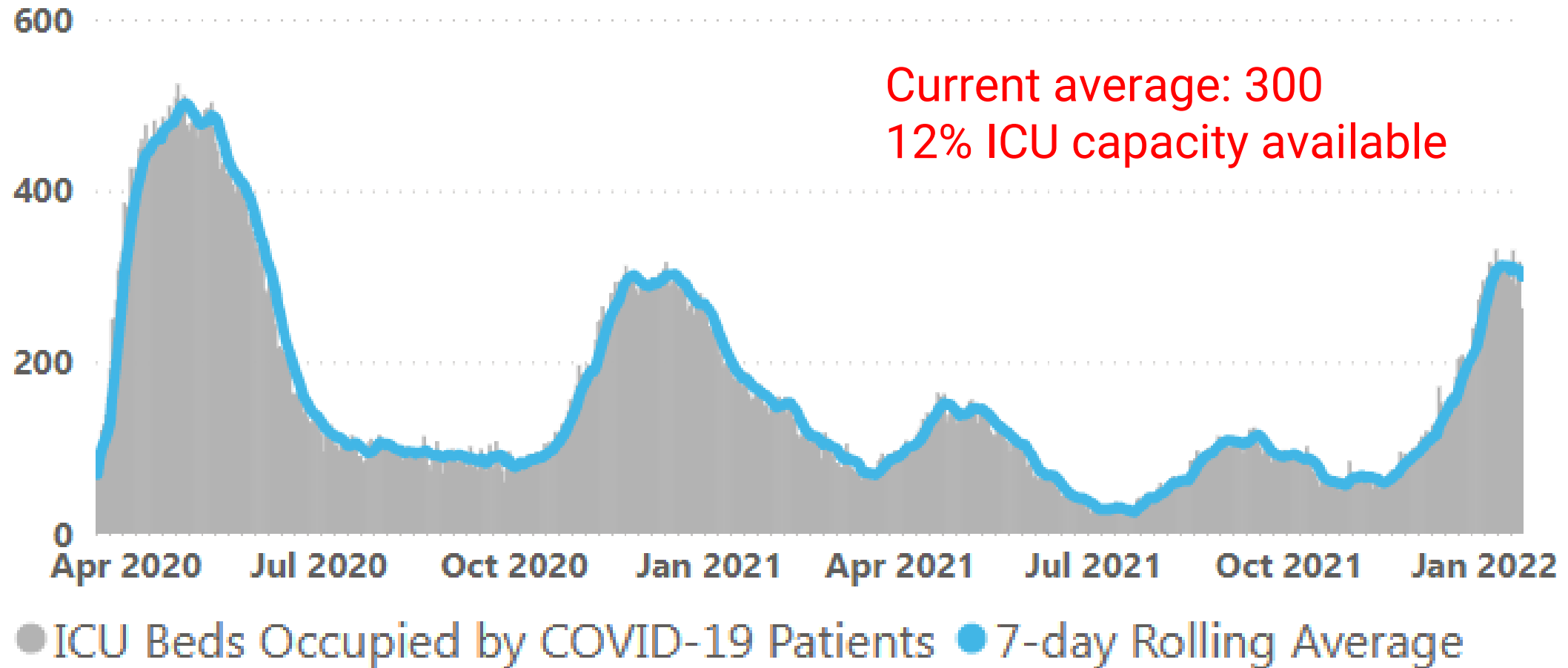




# Chicago Hospital Census (non-ICU Hospital Beds occupied by COVID-19 patients) has started to plateau but remains higher than in any previous month of the pandemic

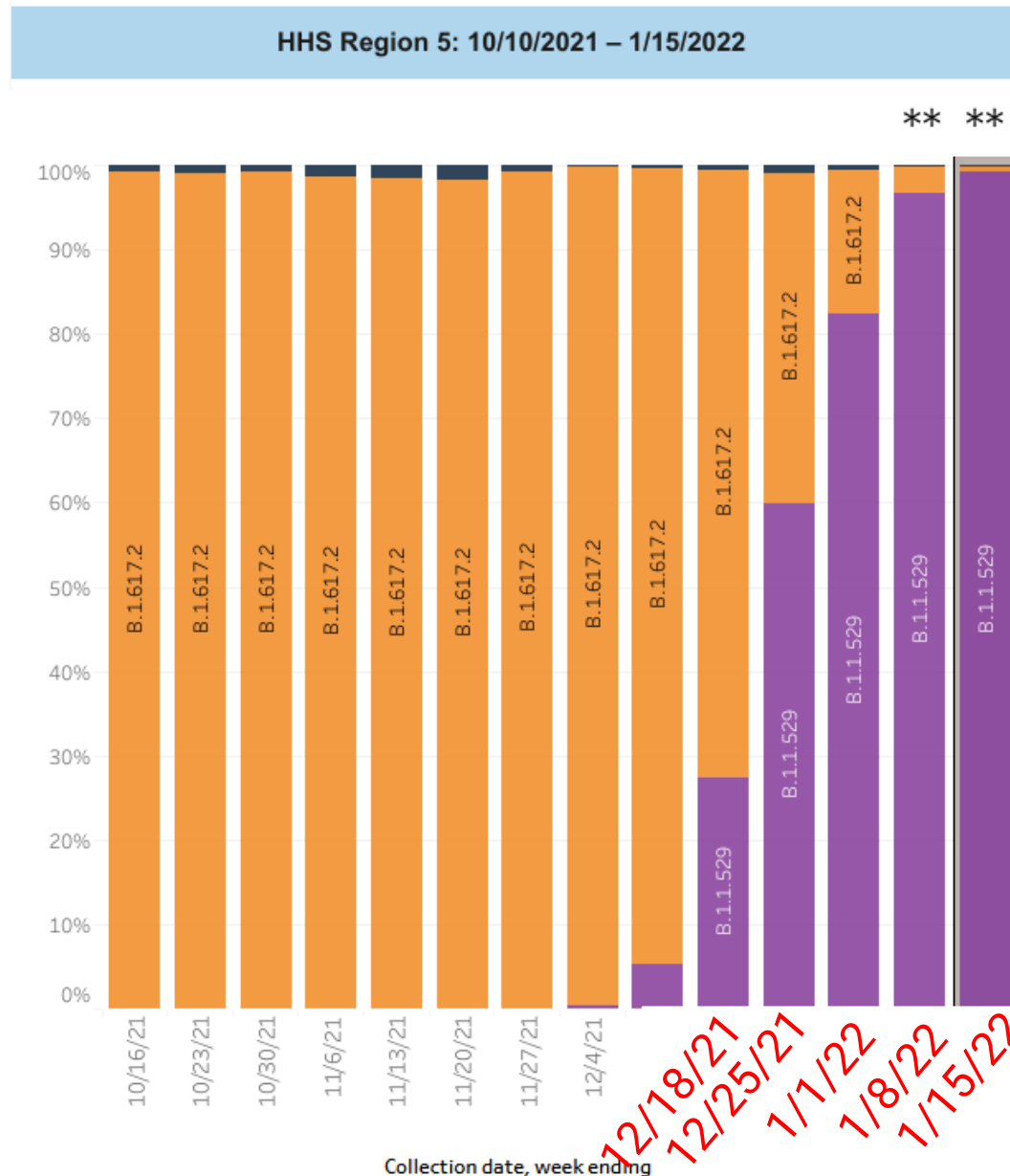


# ★ Chicago: ICU Hospital Beds occupied by COVID-19 patients has started to plateau but remains at **highest census** since December 2020





# SARS-CoV-2 Variant Surveillance, Midwest Region

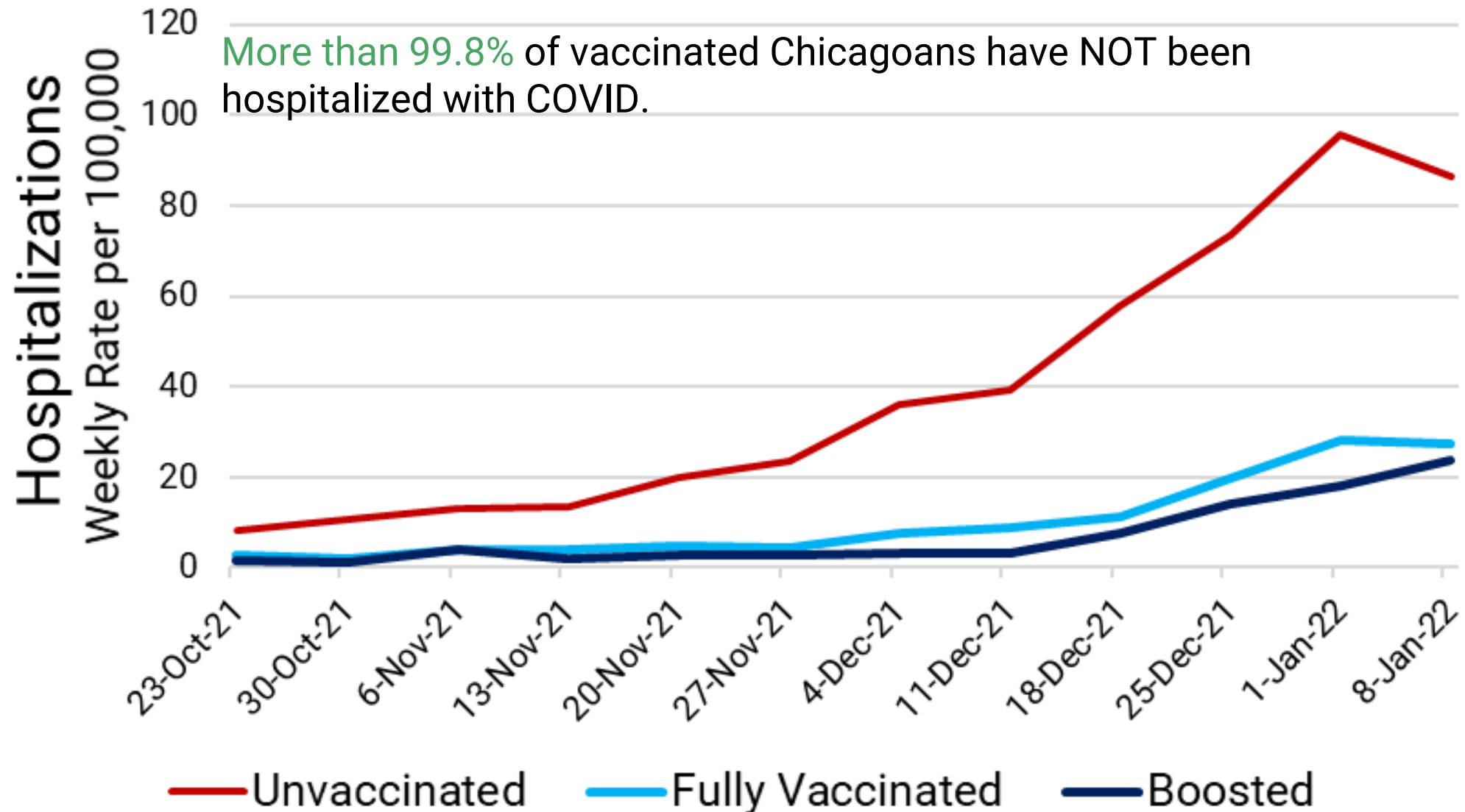


Omicron (99.3%)

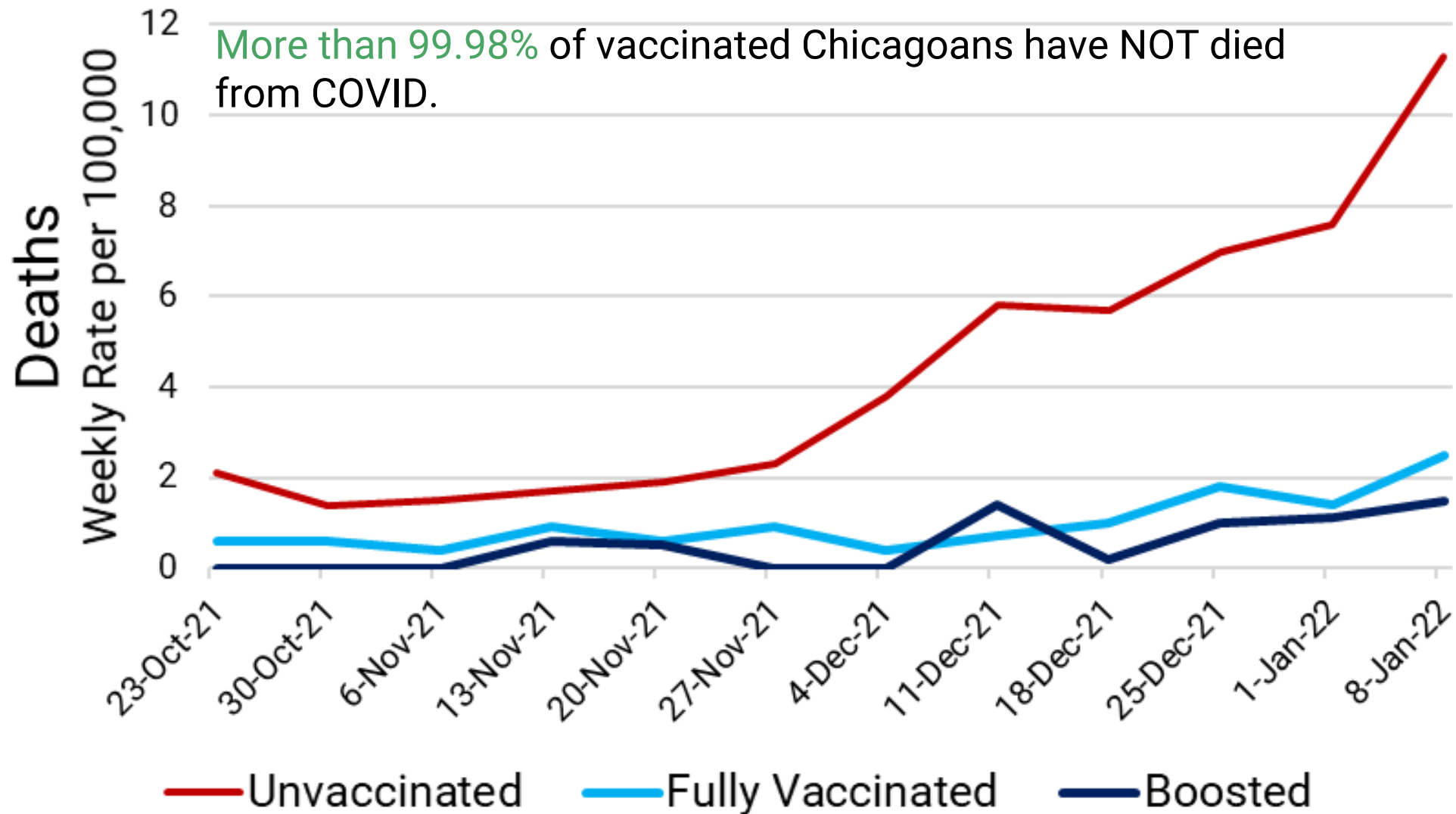
Delta (0.7%)

Other (0.0%)

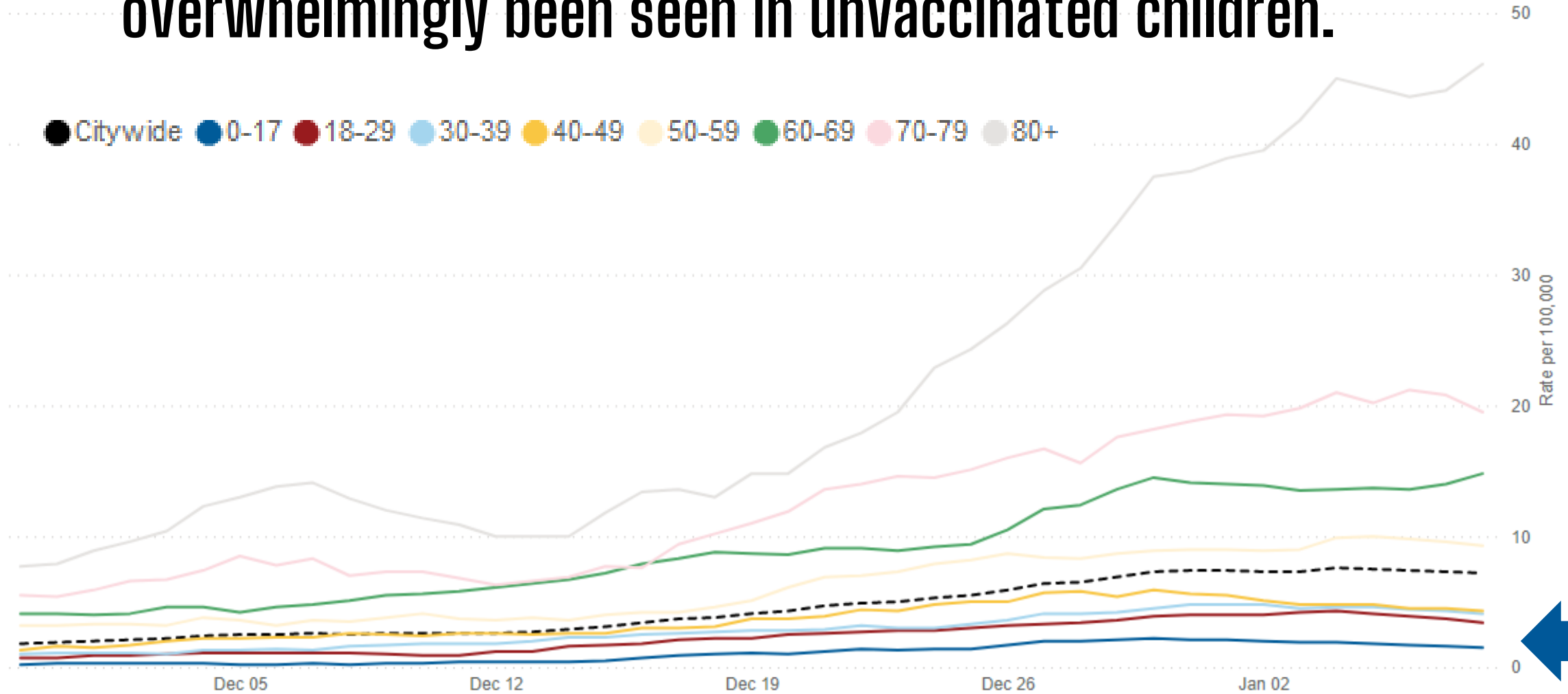
**Unvaccinated** Chicagoans are much more likely to be *hospitalized* (5 times more likely) with COVID than **unvaccinated** Chicagoans, and an **additional/booster dose** clearly provides added protection



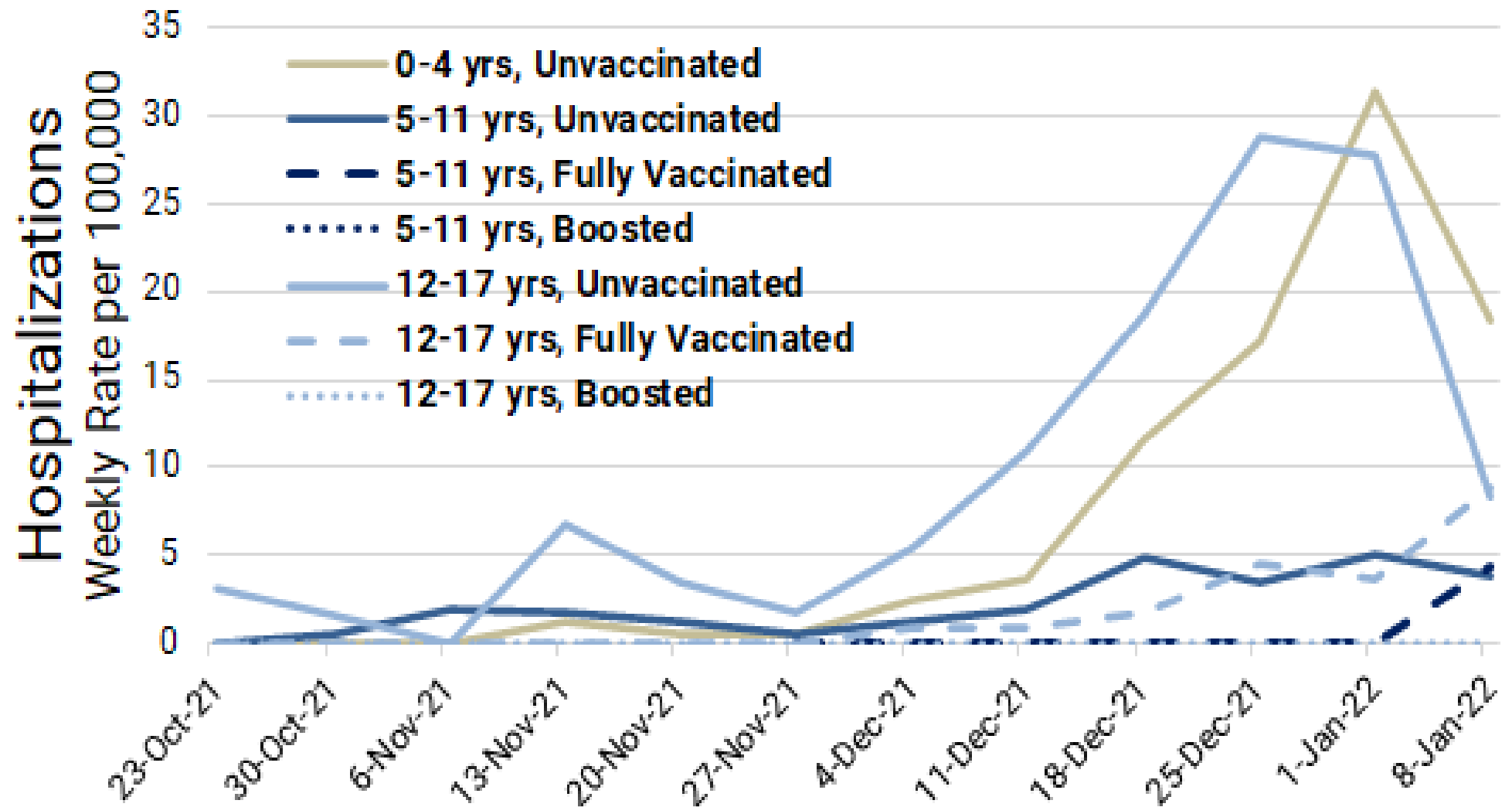
**Unvaccinated** Chicago residents are *much* more likely to die (8 times more likely!) from COVID-19 than their **vaccinated** and **boosted** counterparts



# Chicago: COVID-19 Hospitalizations remain low overall among children 0-17 y/o. Child COVID hospitalizations have overwhelmingly been seen in unvaccinated children.

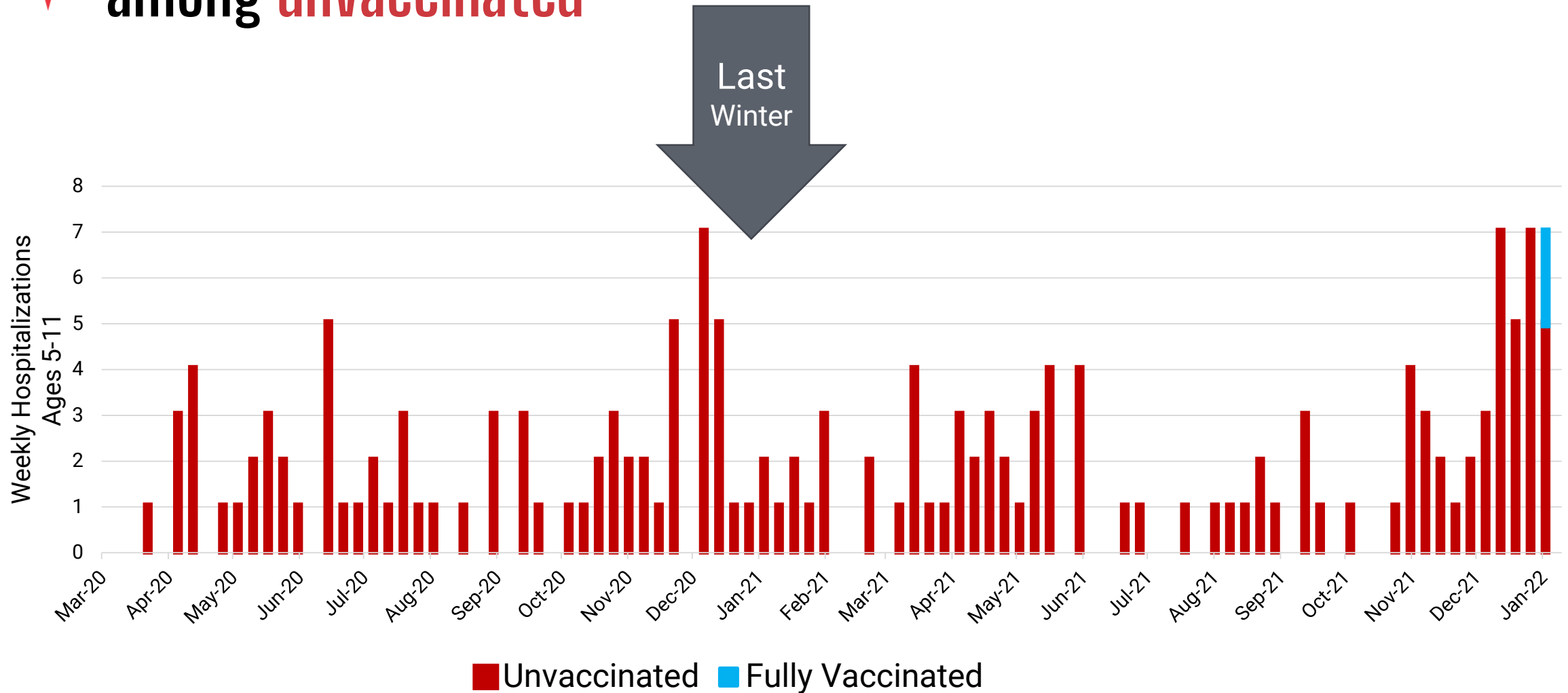


Hospitalization rates among children have subsided quickly after an increase at the end of 2021. Even in kids, most hospitalized were **unvaccinated**.





# Recent increase in hospitalizations comparable to last winter's surge for children age 5-11 years, and most hospitalizations among **unvaccinated**

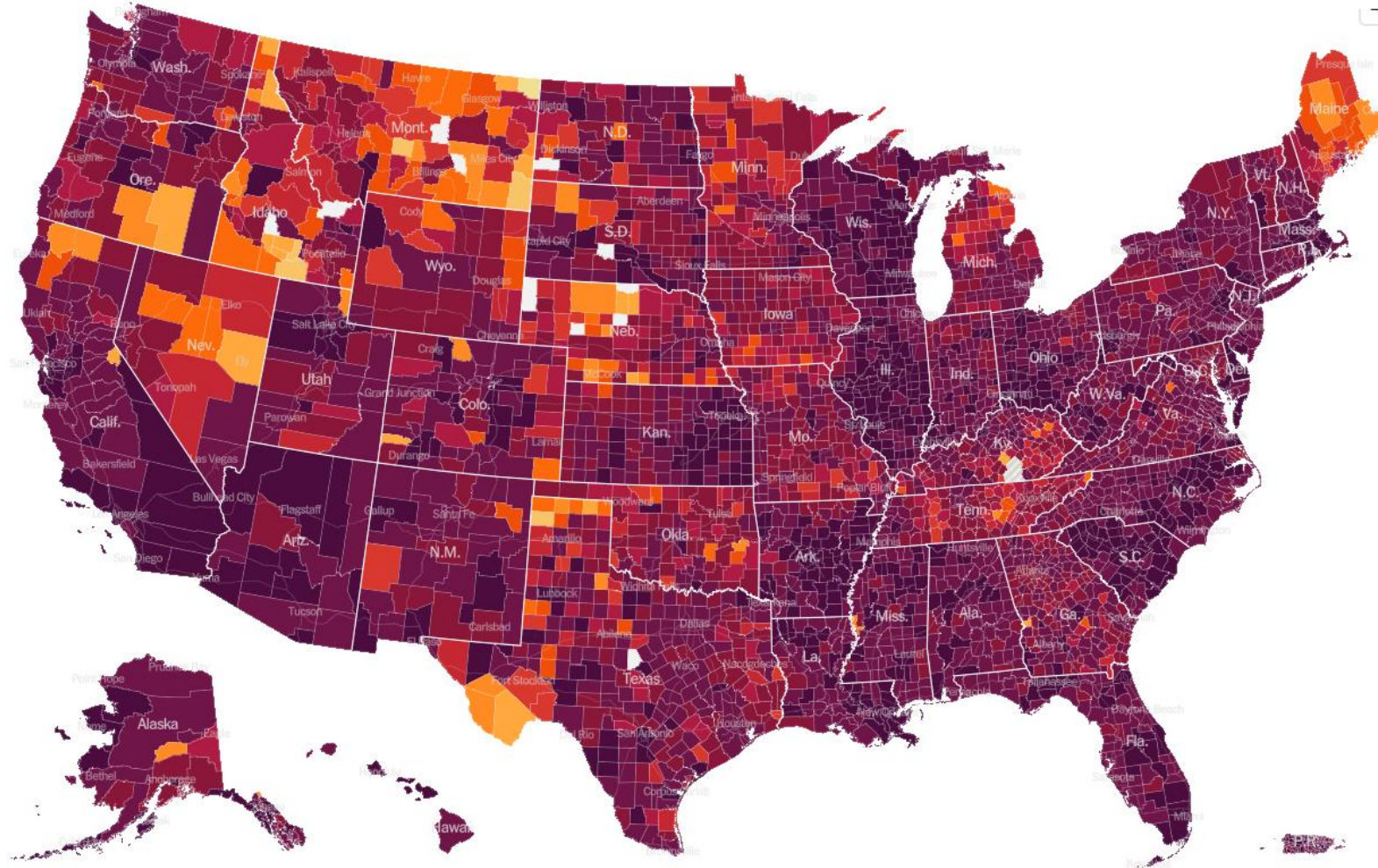
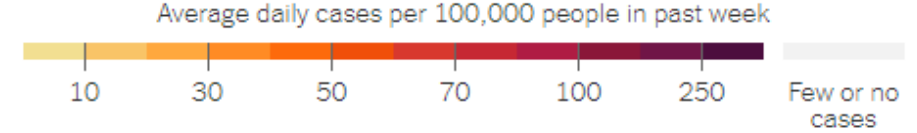




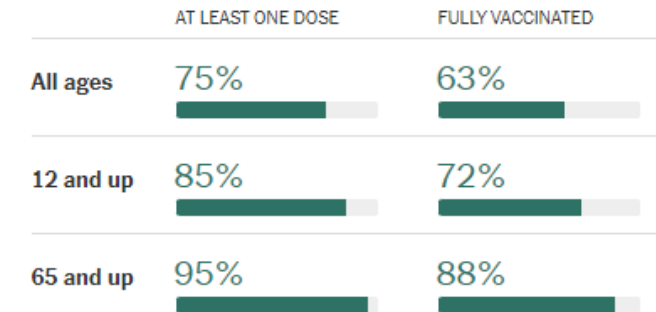
# Average daily COVID-19 cases per 100,000 population



**66 Million Cumulative Cases**  
**850,750 Cumulative Deaths**



## Vaccinations



## National currently:

**238** diagnosed daily cases per 100,000 people

## Illinois currently:

**233** diagnosed daily cases per 100,000 people

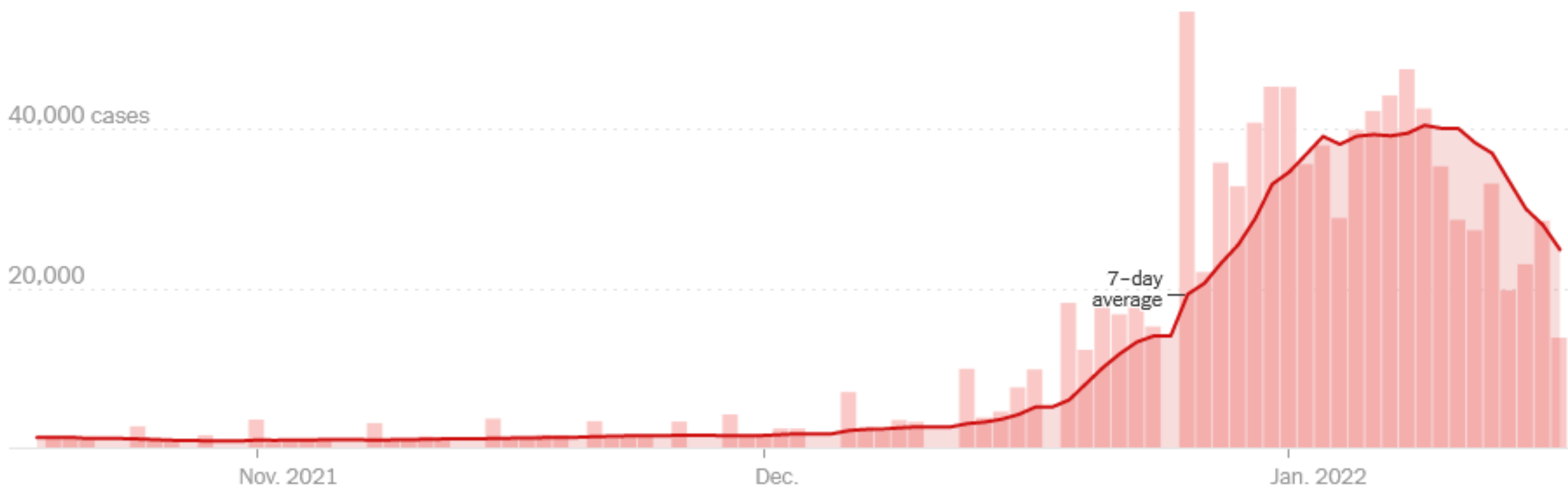
## Chicago currently:

**162** diagnosed daily cases per 100,000 people

# ★ New York City: Like Chicago, past the peak but still very high

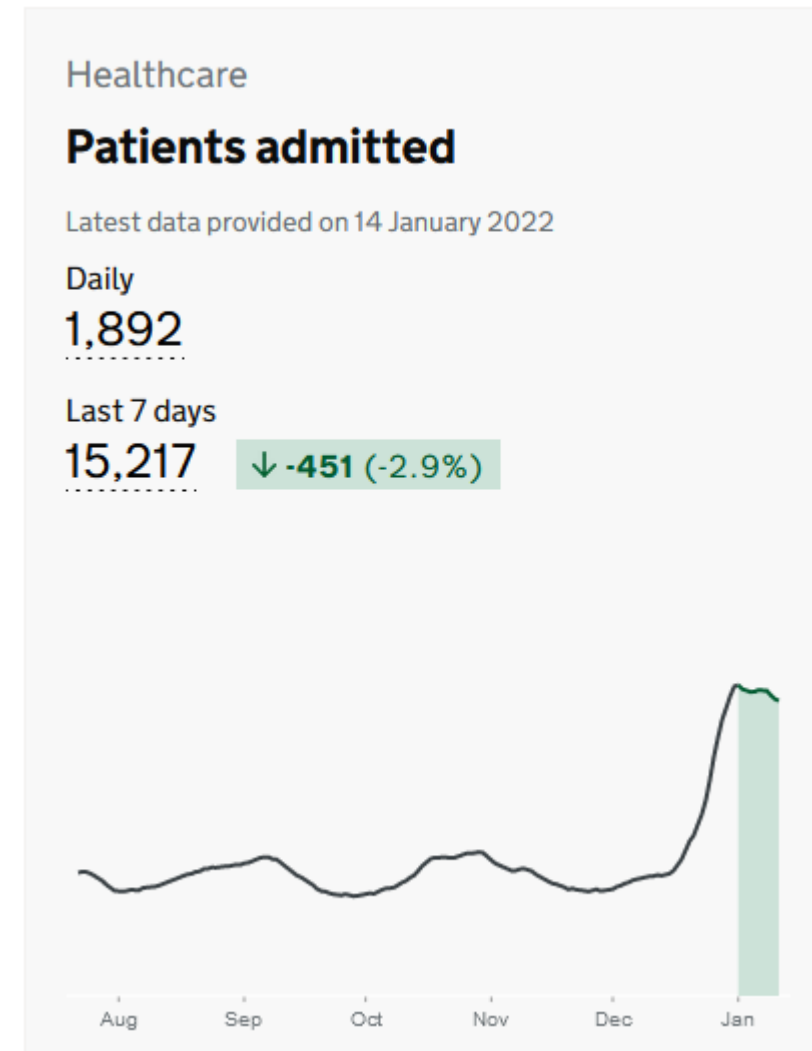
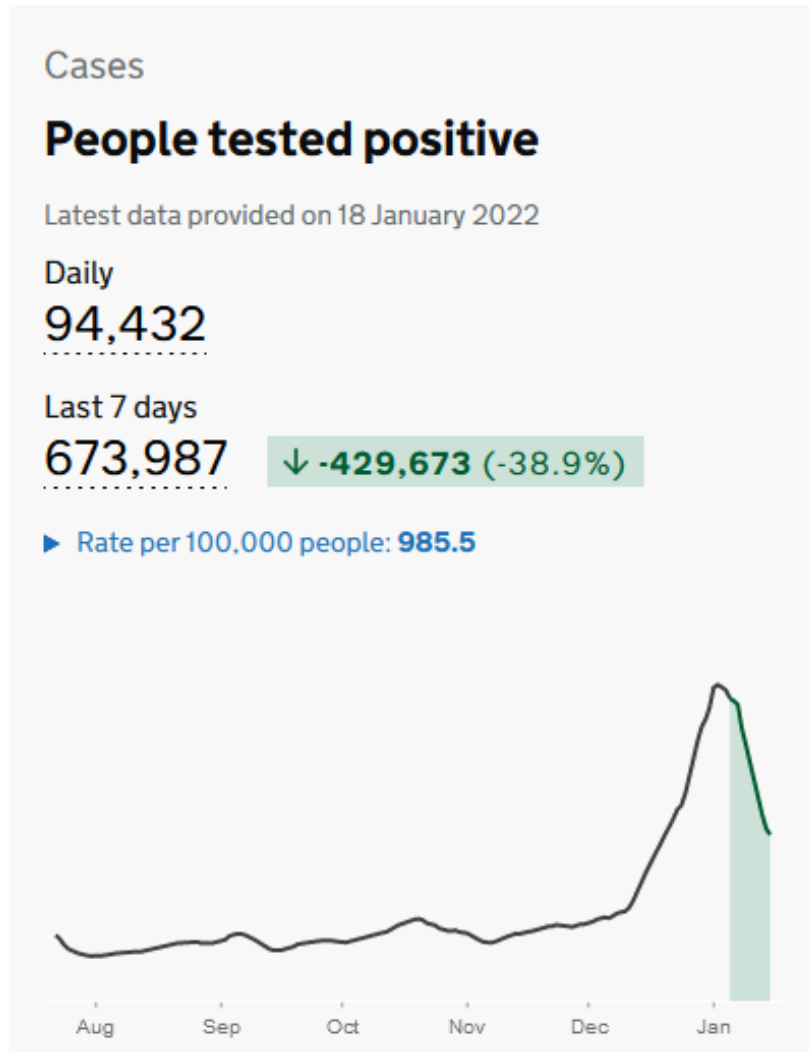
## New reported cases by day

DAILY AVG. ON JAN. 17 **24,906** 14-DAY CHANGE **-36%**





# Internationally: The United Kingdom is starting to see a decline in COVID-19 cases and patients admitted to the hospital

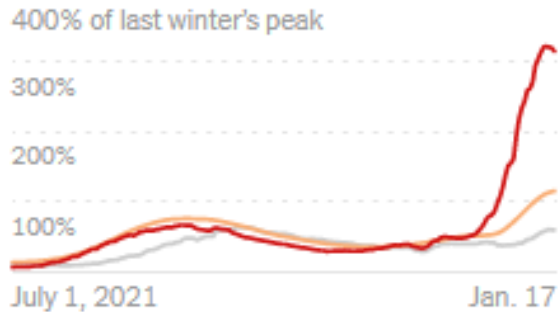


# Nationally: Seeing signs of plateaus in COVID-19 in some of the hardest-hit areas (though not as clearly as in Chicago to date)



■ Cases ■ Hospitalizations ■ Deaths

## United States



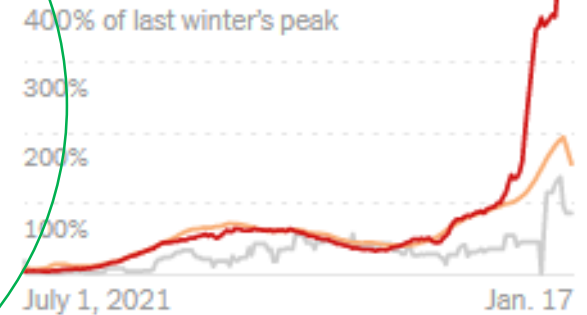
## Rhode Island



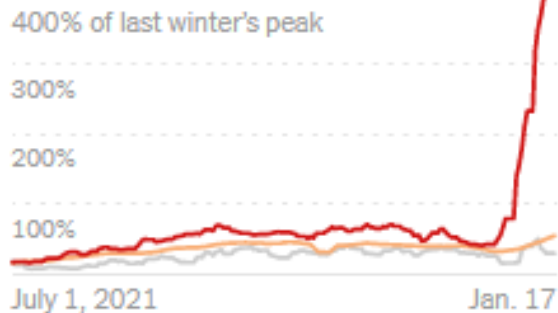
## Wisconsin



## Delaware



## Utah



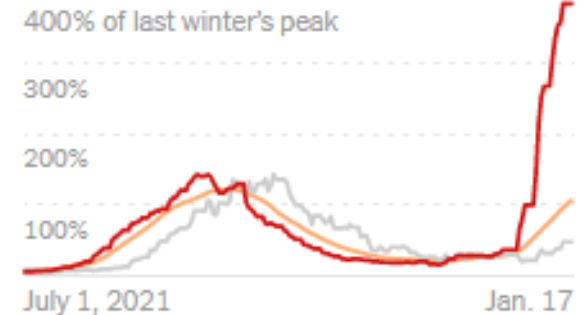
## Massachusetts



## California

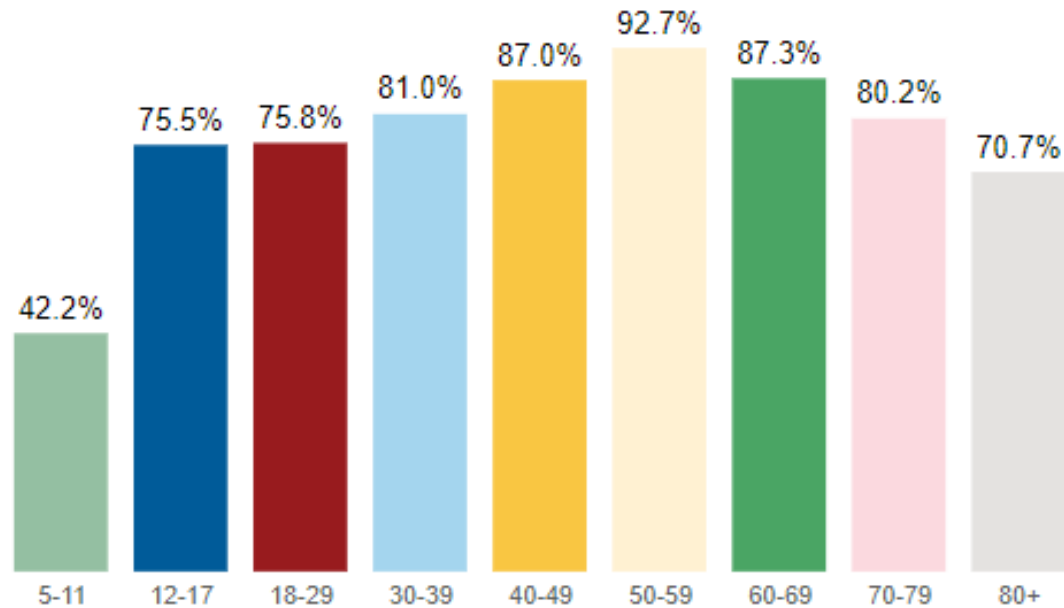


## South Carolina



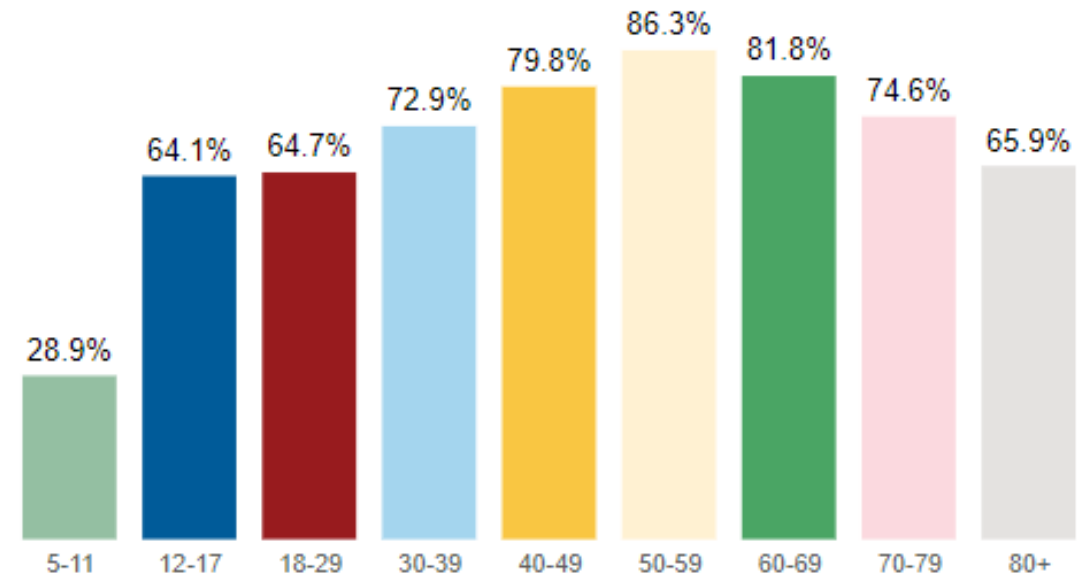
# Chicago: Vaccination rates by age continue to increase and above national average in children and adolescents

At least one dose (% vaccinated as of 1/18/2022)



U.S. 5-11 y/o with one dose: 27%  
U.S. 12-17 y/o with one dose: 64.6%

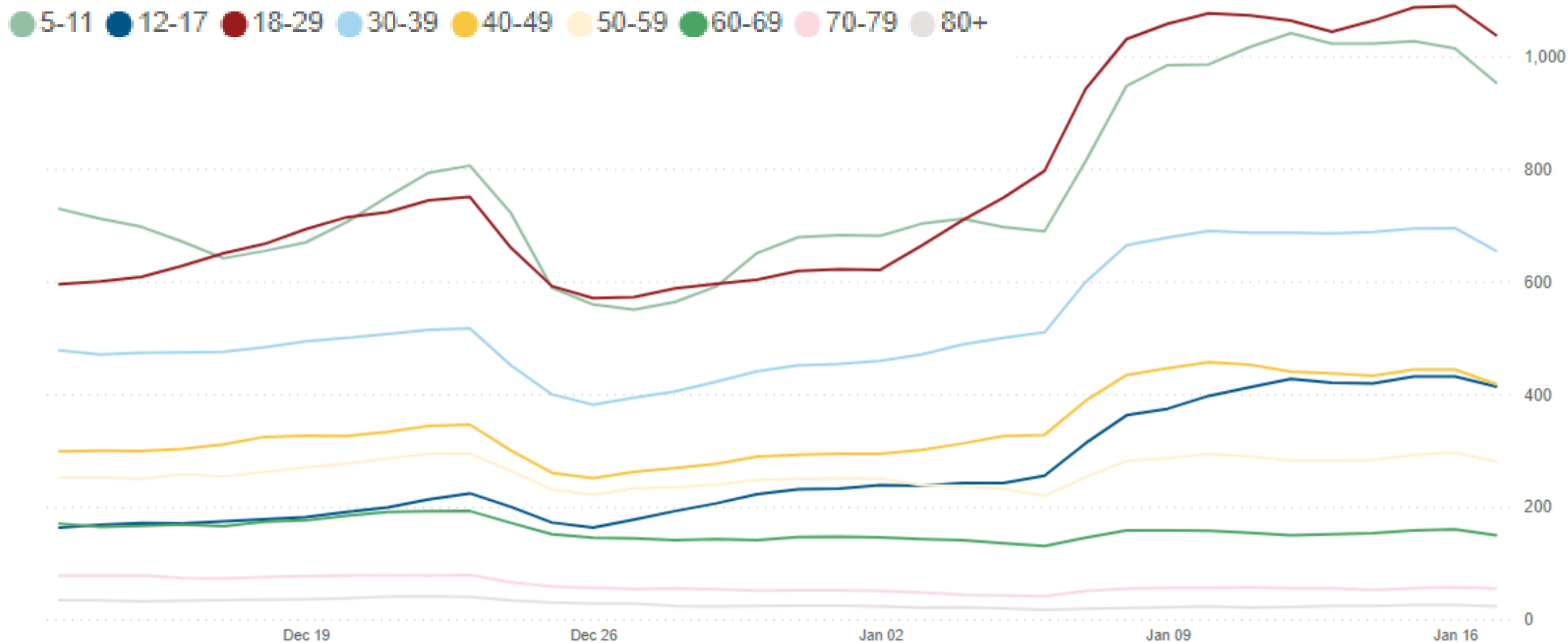
Completed vaccine series (% vaccinated as of 1/18/2022)



U.S. 5-11 y/o completed series: 17.9%  
U.S. 12-17 y/o completed series: 54.3%

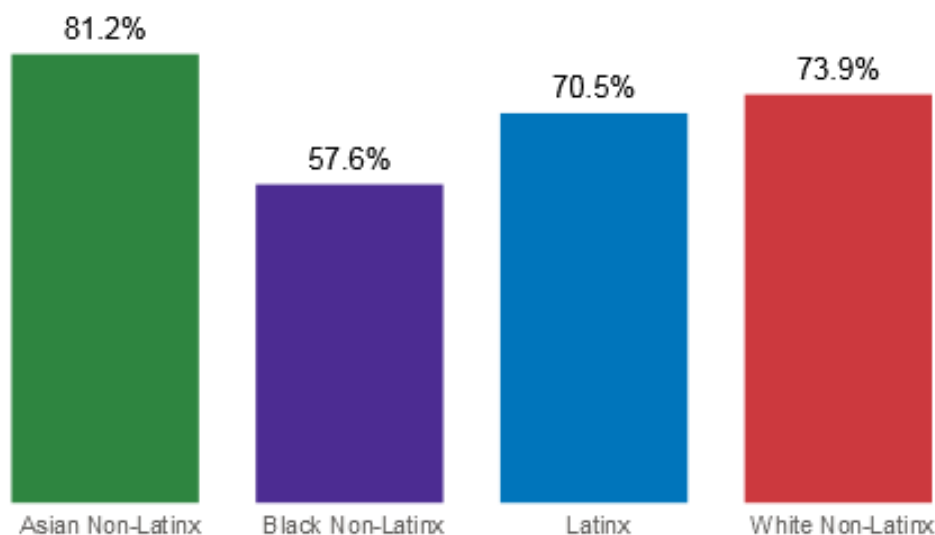


Since winter holidays (and implementation of vaccination requirement), seeing biggest increase in first dose vaccine uptake among **18-29 y/o**

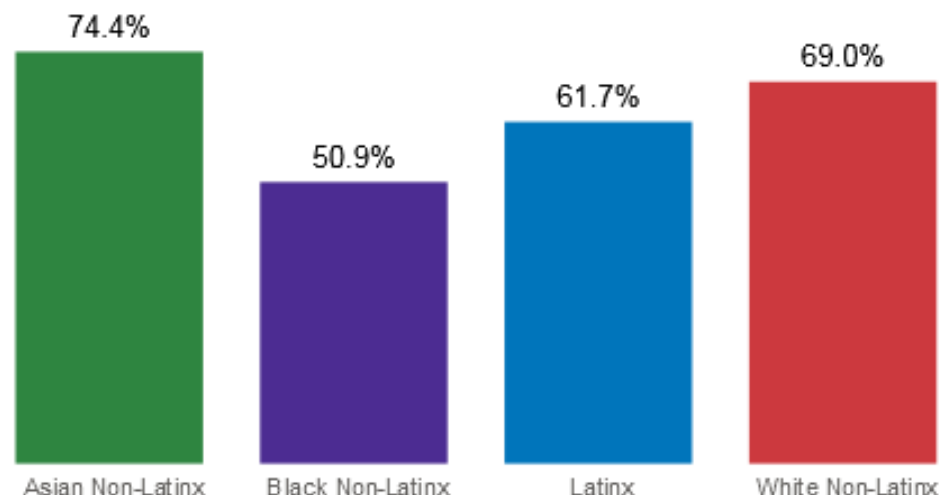


# ★ Chicago COVID-19 Vaccination Rates by Race/Ethnicity

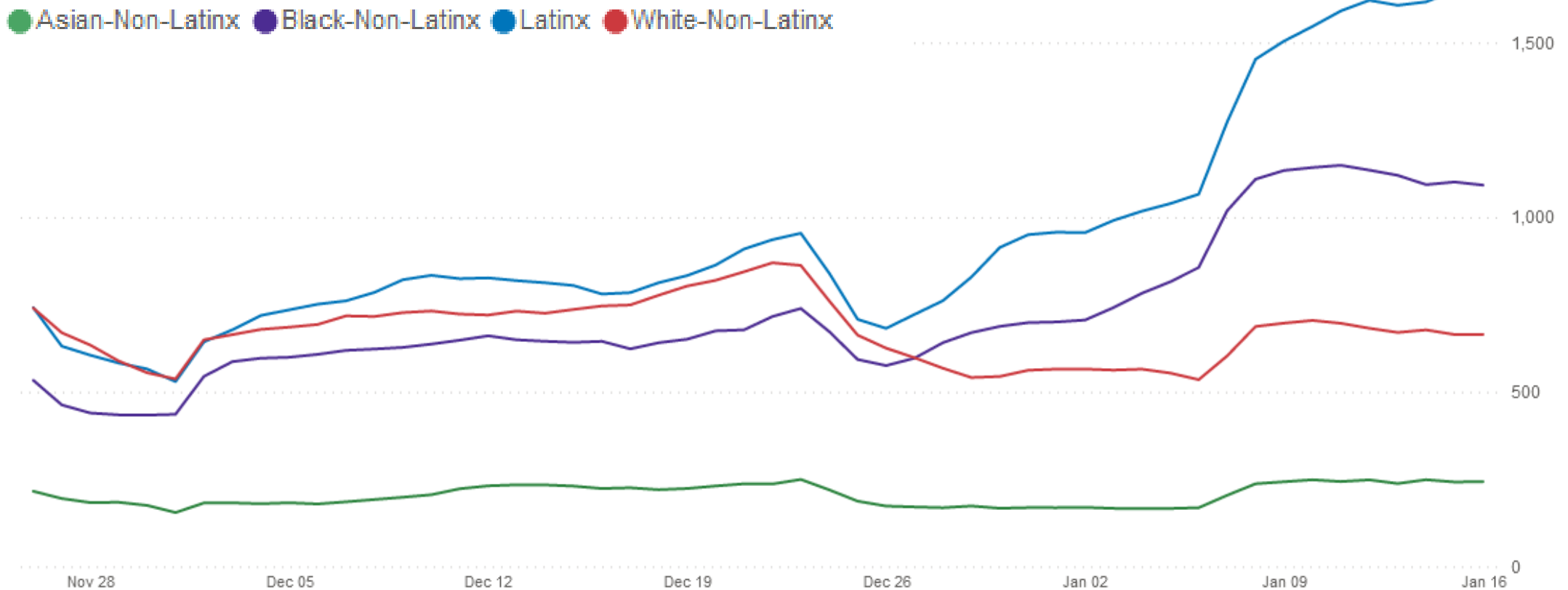
**At least one dose (% vaccinated as of 1/17/2022)**



**Completed vaccine series (% vaccinated as of 1/17/2022)**



# ★ Since winter holidays, seeing best improvement in FIRST dose vaccination among **Latinx** and **Black** Chicagoans





# Vaccine Events THIS WEEKEND Plenty of appointments available!

Saturday

Sunday

## **FAMILY COVID VACCINE CLINICS** ADULT AND PEDIATRIC VACCINE DOSES & BOOSTERS AVAILABLE

### **RICHARD J. DALEY COLLEGE**

7500 S Pulaski Rd

Saturdays, 9am-2pm  
Jan. 22 & Feb.12

### **WILBUR WRIGHT COLLEGE**

4300 N Narragansett Ave

Sundays, 9am-2pm  
Jan. 23 & Feb.13

### **KENNEDY-KING COLLEGE**

6301 S Halsted St

Saturdays, 9am-2pm  
Jan. 29 & Feb.19

### **OLIVE-HARVEY COLLEGE**

10001 S Woodlawn Ave

Sundays, 9am-2pm  
Jan. 30 & Feb.20

### **TRUMAN COLLEGE**

1145 W. Wilson Ave

Saturdays, 9am-2pm  
Feb. 5 & Feb.26

### **MALCOLM X COLLEGE**

1900 W Jackson Blvd

Sundays, 9am-2pm  
Feb. 6 & Feb.27



**REGISTER:** [rebrand.ly/YouthVax](https://rebrand.ly/YouthVax)  
(312) 746-4835



# WHEN SHOULD I GET MY COVID-19 BOOSTER?

*Anyone 12y+ should get boosted:*

**5 months**

After your initial Pfizer  
(12y+) or Moderna (18+)  
series

**2 months**

After your initial  
J&J (18+) vaccination







# Federal Administration to begin distribution of at-home, rapid COVID-19 tests to Americans for FREE

- Americans are now able to order a test online at [COVIDTests.gov](https://COVIDTests.gov)
- Limit 4 tests to each residential address
- Tests will usually ship within 7-12 days of ordering; partnering with USPS
- To place an order, all you need is your name and residential address. No ID, credit card, or health insurance information is required. You may also share your email address to get updates on your order.
- For those who have difficulty accessing the internet or need additional support placing an order, you can call [1-800-232-0233](tel:1-800-232-0233)

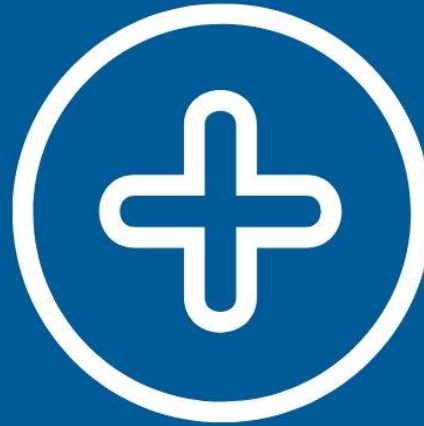
# A positive test is a positive test.



If you test positive and have underlying conditions that put you at higher risk for hospitalization, **please talk with your healthcare provider immediately** to see if you are eligible for antivirals that are now available.

These antivirals are medications that can help keep you out of the hospital, but they need to be taken in the first few days of infection.

## My at-home test came back positive...



You should consider this a true positive and stay at home for a minimum of 5 days. Please isolate and inform close contacts of your status so that they can seek out testing and quarantine as needed.

There is no requirement from CDPH to get a "confirmatory test", though some facilities (e.g. employers, schools, daycare) may require additional documentation.



Need a vaccine or a booster? Have questions?

visit **CHI.GOV/COVIDVAX**

or call **312-746-4835**



**PROTECT**  
**CHICAGO** ★