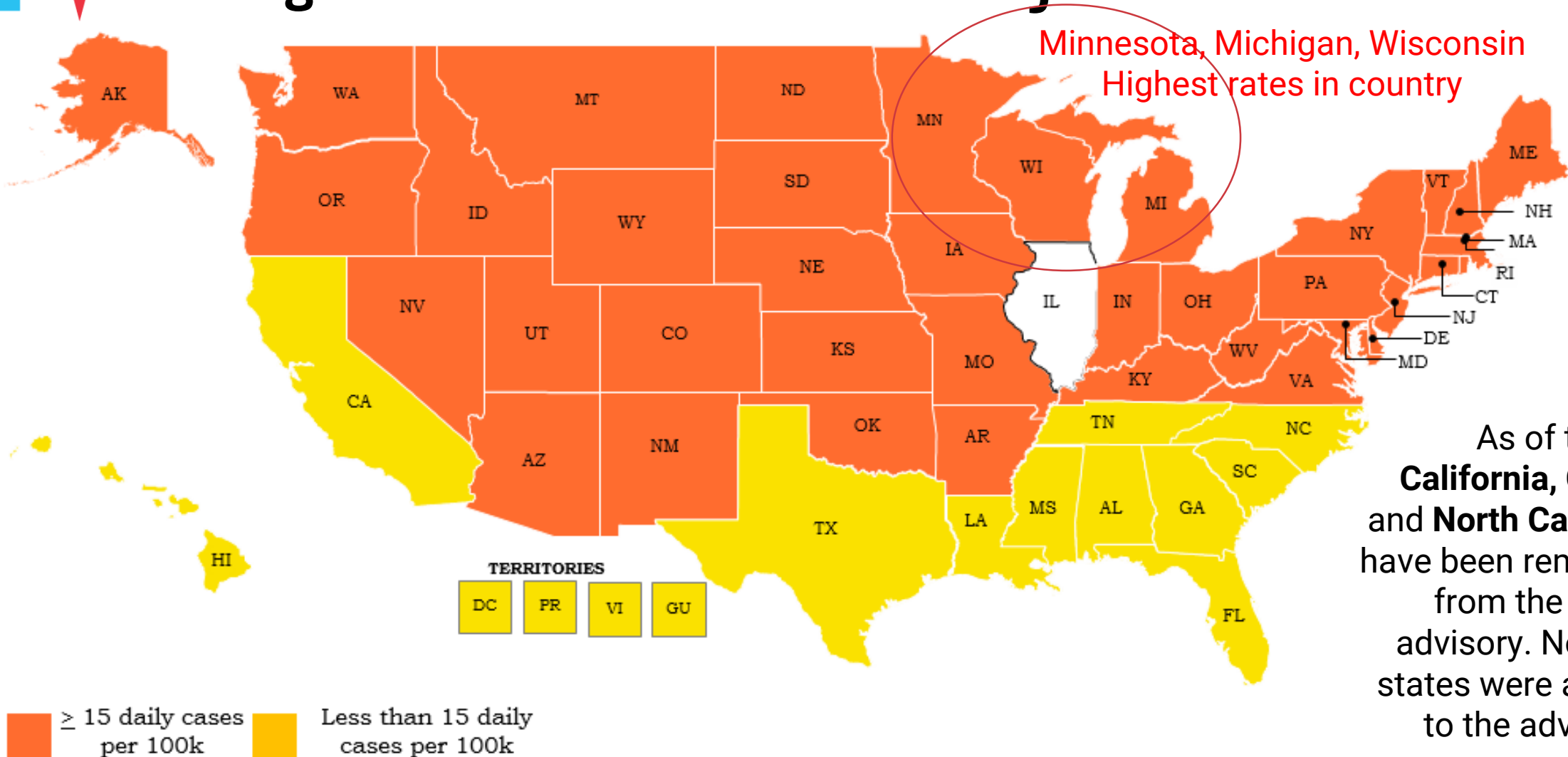


PROTECT
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PROTEGE A
CHICAGO ★

★ Chicago's COVID-19 Travel Advisory: 38 States



As of today, **California, Guam** and **North Carolina** have been removed from the travel advisory. No new states were added to the advisory.



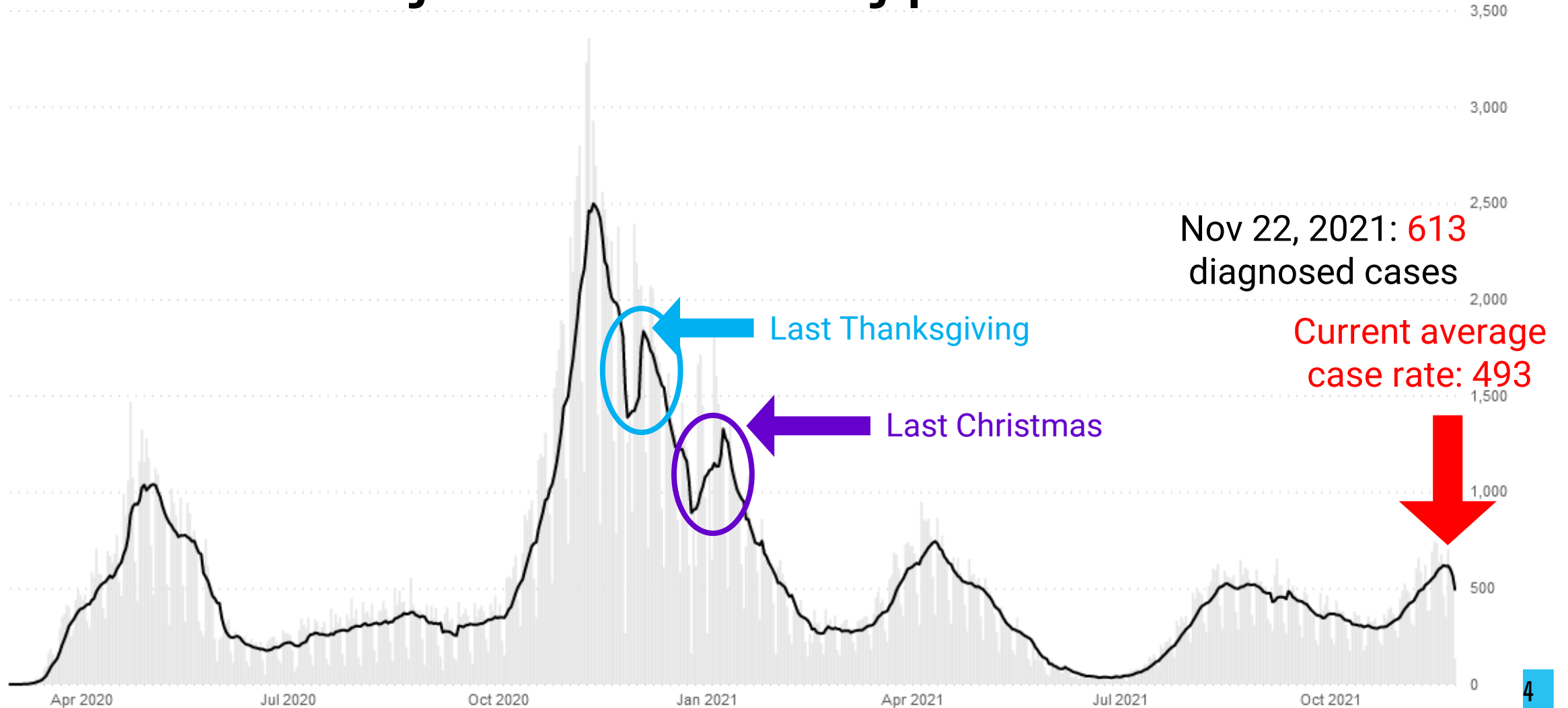
Chicago COVID-19 Community Transmission and Risk Matrix

	VERY HIGH TRANSMISSION	HIGH TRANSMISSION	SUBSTANTIAL TRANSMISSION	LOWER TRANSMISSION	LOW TRANSMISSION
COVID-19 CASES DIAGNOSED PER DAY Chicago residents - 7-day rolling daily average	800+	400 - 799 Current: 493 Decreased due to holiday testing	200 - 399	20 - 199	<20
COVID-19 TEST POSITIVITY Chicago residents - 7-day rolling daily average	10%+	6.6 - 9.9%	5.0 - 6.5%	2 - 4.9% Current: 3.5% Increasing	<2%
HOSPITAL BEDS (NON-ICU) OCCUPIED BY COVID PATIENTS Chicago hospitals - 7-day rolling daily average	1250+	750 - 1249	250 - 749 Current: 300 Increasing	100 - 249	<100
ICU BEDS OCCUPIED BY COVID PATIENTS Chicago hospitals - 7-day rolling daily average	400+	300 - 399	100 - 299	20 - 99 Current: 86 Increasing	<20

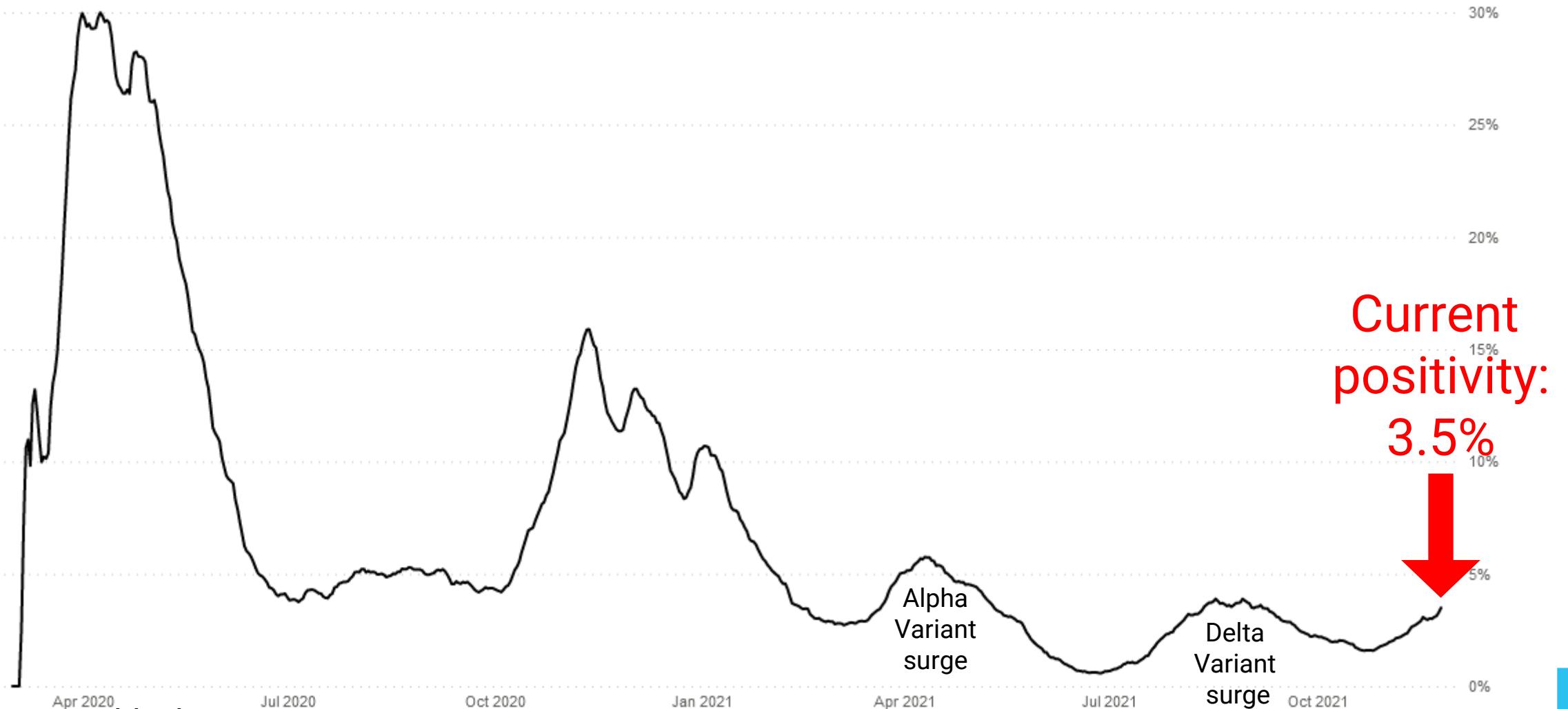
Source: Chicago Department of Public Health, data current as of November 30, 2021. These metrics represent general community COVID transmission and should not be applied to individual settings that have mitigation practices in place.



Chicago: New COVID cases appear to be decreasing, however trends will likely mirror 2020 holiday patterns

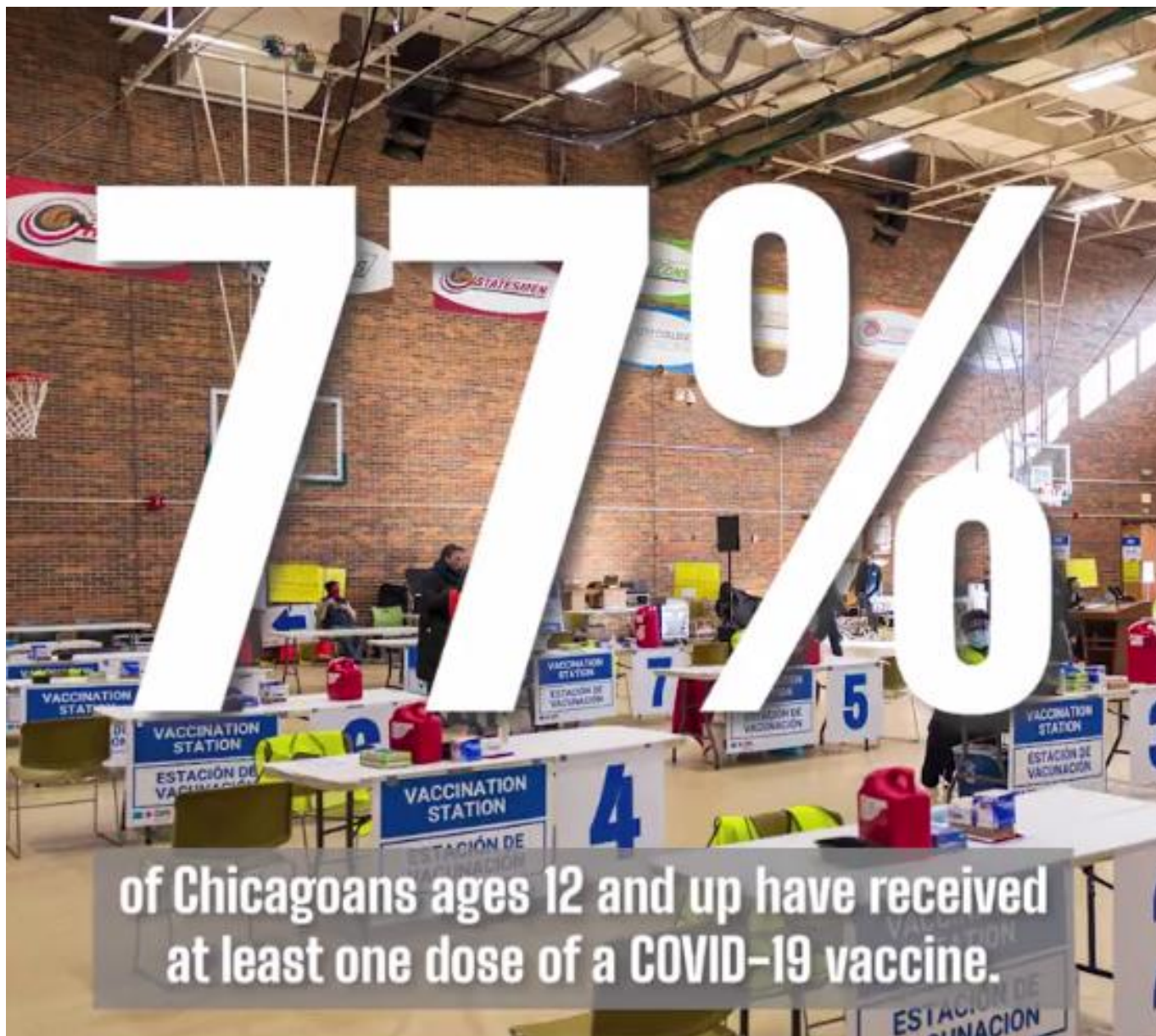


Chicago: COVID test positivity continues to increase; still adequate testing overall



Current positivity:
3.5%





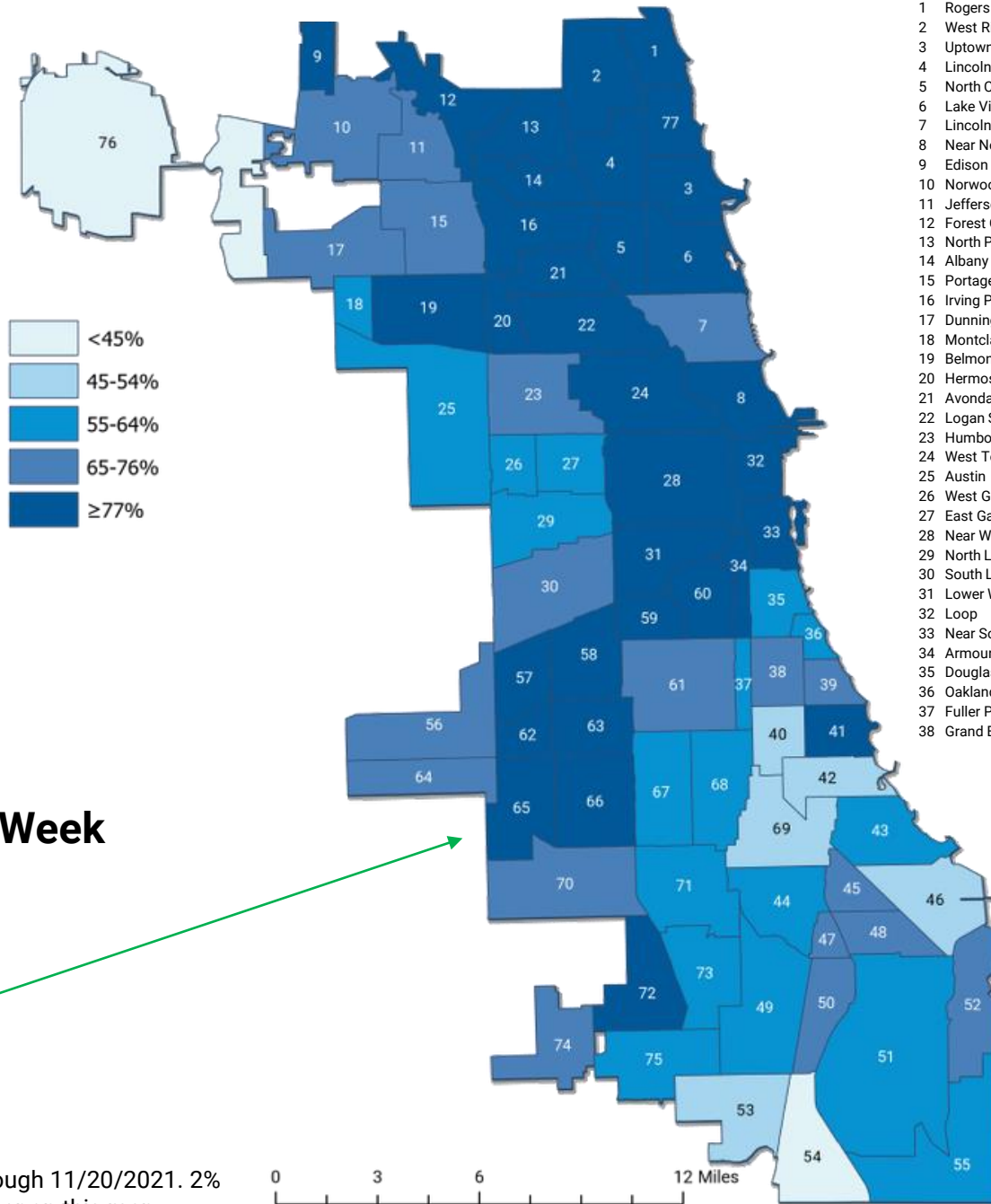
But there's still more work to do!

Percent of residents 12+ years-old with at least one dose of COVID-19 vaccine by community area

Citywide:
77.2%

Community Area Milestones This Week

- **Roseland** reached 60%
- **Chicago Lawn** reached 77%
- **Near West Side** reached 80%
- **West Lawn** reached 90%



Community Areas:

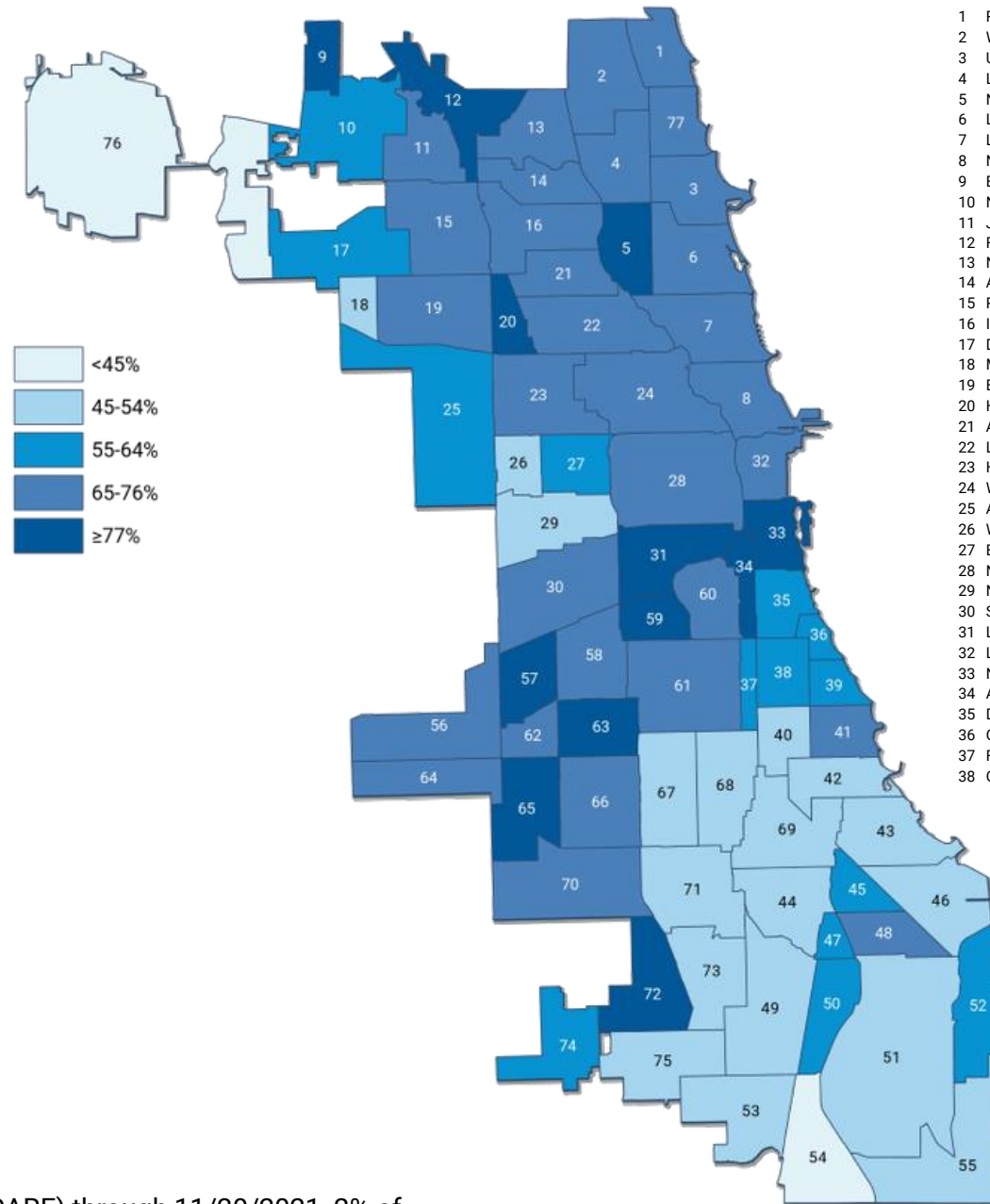
1	Rogers Park	39	Kenwood
2	West Ridge	40	Washington Park
3	Uptown	41	Hyde Park
4	Lincoln Square	42	Woodlawn
5	North Center	43	South Shore
6	Lake View	44	Chatham
7	Lincoln Park	45	Avalon Park
8	Near North Side	46	South Chicago
9	Edison Park	47	Burnside
10	Norwood Park	48	Calumet Heights
11	Jefferson Park	49	Roseland
12	Forest Glen	50	Pullman
13	North Park	51	South Deering
14	Albany Park	52	East Side
15	Portage Park	53	West Pullman
16	Irving Park	54	Riverdale
17	Dunning	55	Hegewisch
18	Montclare	56	Garfield Ridge
19	Belmont Cragin	57	Archer Heights
20	Hermosa	58	Brighton Park
21	Avondale	59	McKinley Park
22	Logan Square	60	Bridgeport
23	Humboldt Park	61	New City
24	West Town	62	West Elsdon
25	Austin	63	Gage Park
26	West Garfield Park	64	Clearing
27	East Garfield Park	65	West Lawn
28	Near West Side	66	Chicago Lawn
29	North Lawndale	67	West Englewood
30	South Lawndale	68	Englewood
31	Lower West Side	69	Greater Grand Crossing
32	Loop	70	Ashburn
33	Near South Side	71	Auburn Gresham
34	Armour Square	72	Beverly
35	Douglas	73	Washington Heights
36	Oakland	74	Mount Greenwood
37	Fuller Park	75	Morgan Park
38	Grand Boulevard	76	O'Hare
		77	Edgewater

Data reported to the Illinois Comprehensive Automated Immunization Registry (I-CARE) through 11/20/2021. 2% of people with a first dose had an address that was unable to be geocoded and do not appear on this map.



Percent of residents 12+ years-old with a *completed* COVID-19 vaccine series by community area

Citywide: 70.9%



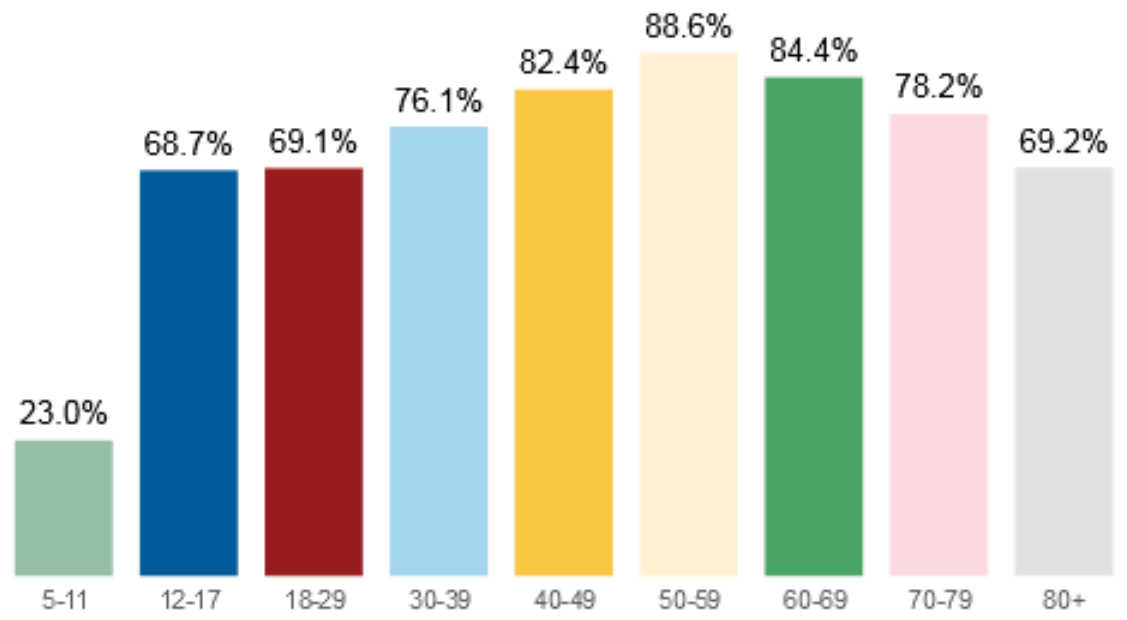
Community Areas:

- | | |
|-----------------------|---------------------------|
| 1 Rogers Park | 39 Kenwood |
| 2 West Ridge | 40 Washington Park |
| 3 Uptown | 41 Hyde Park |
| 4 Lincoln Square | 42 Woodlawn |
| 5 North Center | 43 South Shore |
| 6 Lake View | 44 Chatham |
| 7 Lincoln Park | 45 Avalon Park |
| 8 Near North Side | 46 South Chicago |
| 9 Edison Park | 47 Burnside |
| 10 Norwood Park | 48 Calumet Heights |
| 11 Jefferson Park | 49 Roseland |
| 12 Forest Glen | 50 Pullman |
| 13 North Park | 51 South Deering |
| 14 Albany Park | 52 East Side |
| 15 Portage Park | 53 West Pullman |
| 16 Irving Park | 54 Riverdale |
| 17 Dunning | 55 Hegewisch |
| 18 Montclare | 56 Garfield Ridge |
| 19 Belmont Cragin | 57 Archer Heights |
| 20 Hermosa | 58 Brighton Park |
| 21 Avondale | 59 McKinley Park |
| 22 Logan Square | 60 Bridgeport |
| 23 Humboldt Park | 61 New City |
| 24 West Town | 62 West Elsdon |
| 25 Austin | 63 Gage Park |
| 26 West Garfield Park | 64 Clearing |
| 27 East Garfield Park | 65 West Lawn |
| 28 Near West Side | 66 Chicago Lawn |
| 29 North Lawndale | 67 West Englewood |
| 30 South Lawndale | 68 Englewood |
| 31 Lower West Side | 69 Greater Grand Crossing |
| 32 Loop | 70 Ashburn |
| 33 Near South Side | 71 Auburn Gresham |
| 34 Armour Square | 72 Beverly |
| 35 Douglas | 73 Washington Heights |
| 36 Oakland | 74 Mount Greenwood |
| 37 Fuller Park | 75 Morgan Park |
| 38 Grand Boulevard | 76 O'Hare |
| | 77 Edgewater |

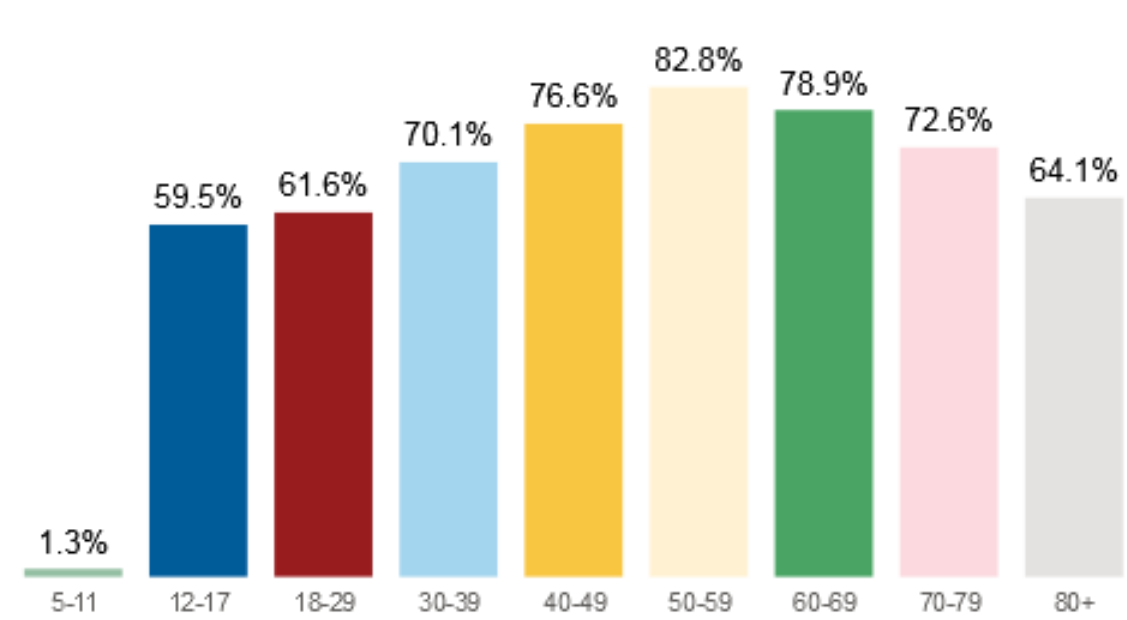
Data reported to the Illinois Comprehensive Automated Immunization Registry (I-CARE) through 11/20/2021. 2% of people with a completed series had an address that was unable to be geocoded and do not appear on this map.

Uptake among 5-11 year-olds continues to rise

At least one dose (% vaccinated as of 11/28/2021)



Completed vaccine series (% vaccinated as of 11/28/2021)



built by
slalom



Where to get your child a vaccine

- Approximately 200 locations across Chicago
- Your pediatrician, family doctor, hospital, or pharmacy
- Community-based events
- Richard J Daley College – Saturday, 12/4 9am-2pm
- Wilbur Wright College – Sunday, 12/5 9am-2pm
- Protect Chicago At Home
 - Next week, expanding to 7-day operations (appointments available on weekends starting 12/11)





**Need a vaccine?
Need a booster?
Have a question?**

**Call 312-746-4835
chi.gov/covidvax**



Get vaccinated *now* in time for the holidays:

To be fully vaccinated against COVID-19 for

Christmas

(Dec. 25)

START
your vax series by

NOV. 13	1st Dose Moderna
NOV. 20	1st Dose Pfizer
DEC. 11	Single Dose J&J



To be fully vaccinated against COVID-19 for

Kwanzaa

(Starts Dec. 26)

START
your vax series by

NOV. 14	1st Dose Moderna
NOV. 21	1st Dose Pfizer
DEC. 12	Single Dose J&J



To be fully vaccinated against COVID-19 for

New Years Eve

(Dec. 31)

START
your vax series by

NOV. 19	1st Dose Moderna
NOV. 26	1st Dose Pfizer
DEC. 17	Single Dose J&J





Omicron (B.1.1.529)

Key updates as of November 30, 2021

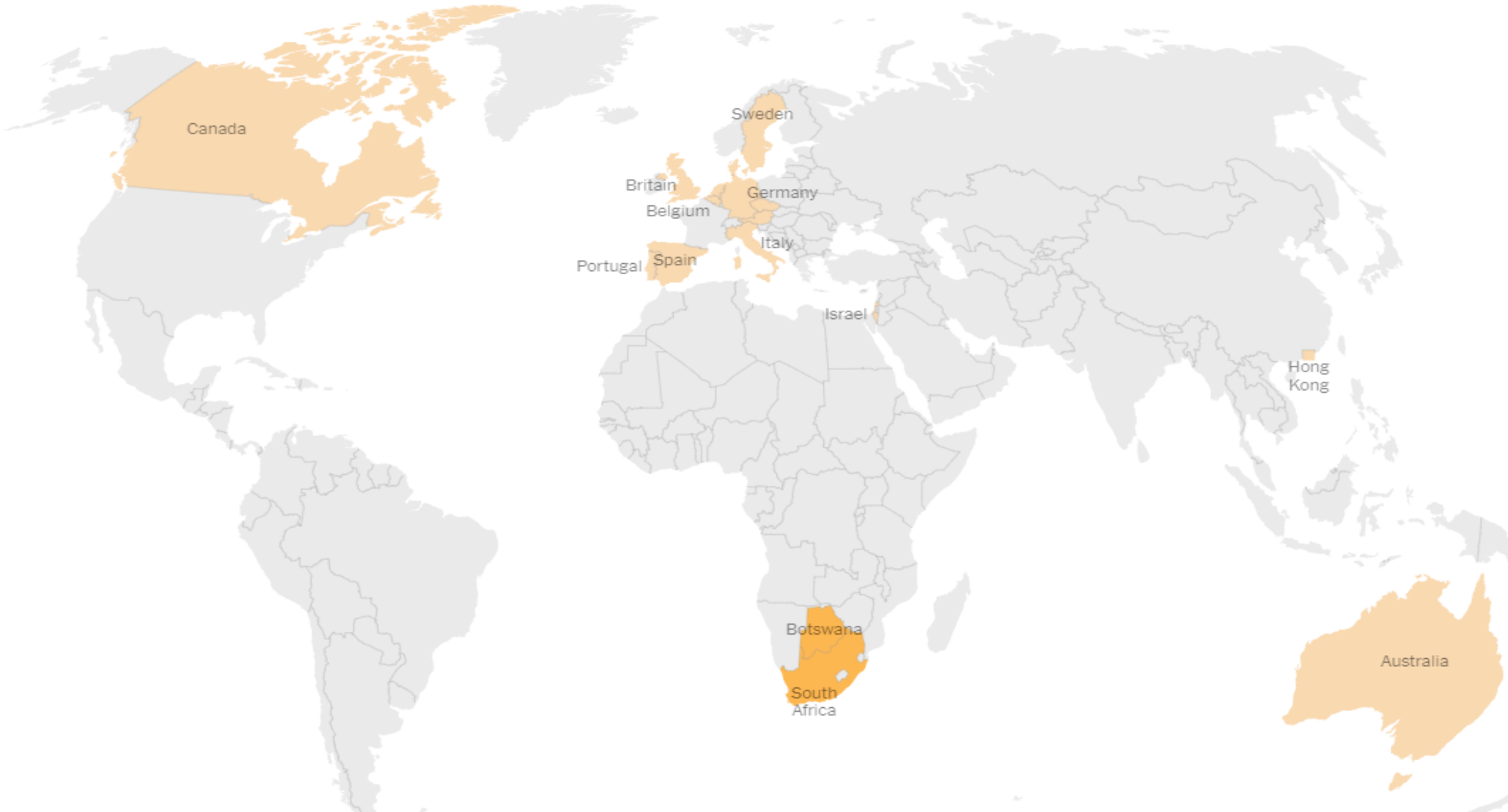


Timeline of detection to date

- November 11-14, 2021: specimens collected in Botswana and South Africa that are later identified as Omicron
- November 23, 2021: Discovery of new variant that showed different results in qPCR in South Africa
- November 24, 2021: First news reports from similar variant found in Botswana and China (from traveler from South Africa) from sequences in database
- November 26, 2021: Designated as a Variant of Concern (VOC) by WHO
- November 29, 2021: Detected so far in Africa, Asia, Australasia, Europe, North America

Current Worldwide Distribution

Local transmission Omicron detected in a traveler



★ Viruses replicate (copy themselves), leading to mutations

- Viruses need a host (YOU!) to survive; they use human/animal cells to copy themselves
- Once a virus enters a human, it starts copying itself millions of times. The human immune system works to fight off the virus, but not before these copies are made. The virus is looking for opportunities to reproduce and spread.
- Mutations are random “errors” in the virus’ genetic code that can be introduced when the virus copies itself
- The more virus that is circulating in a population, the more the virus itself can change
- If a mutation makes it more likely that a virus will survive/replicate, it may out-compete versions of the virus that don’t have that mutation.



Three Levels of Variants: A version of the virus with a certain pattern of mutations

Variant of Interest (VOI): Repeated transmission

Variant of Concern (VOC): Repeated transmission that is concerning from a public health standpoint (e.g. Delta)

- A VOC may
 - be more transmissible (contagious)
 - be more able to evade our immune system's lessons from prior infection and/or vaccine
 - make us sicker
 - make our treatments less likely to work

Variant of High Consequence: Repeated transmission that is highly concerning from a public health standpoint

- *Not had one of these yet (could it be Omicron?)*



Omicron variant

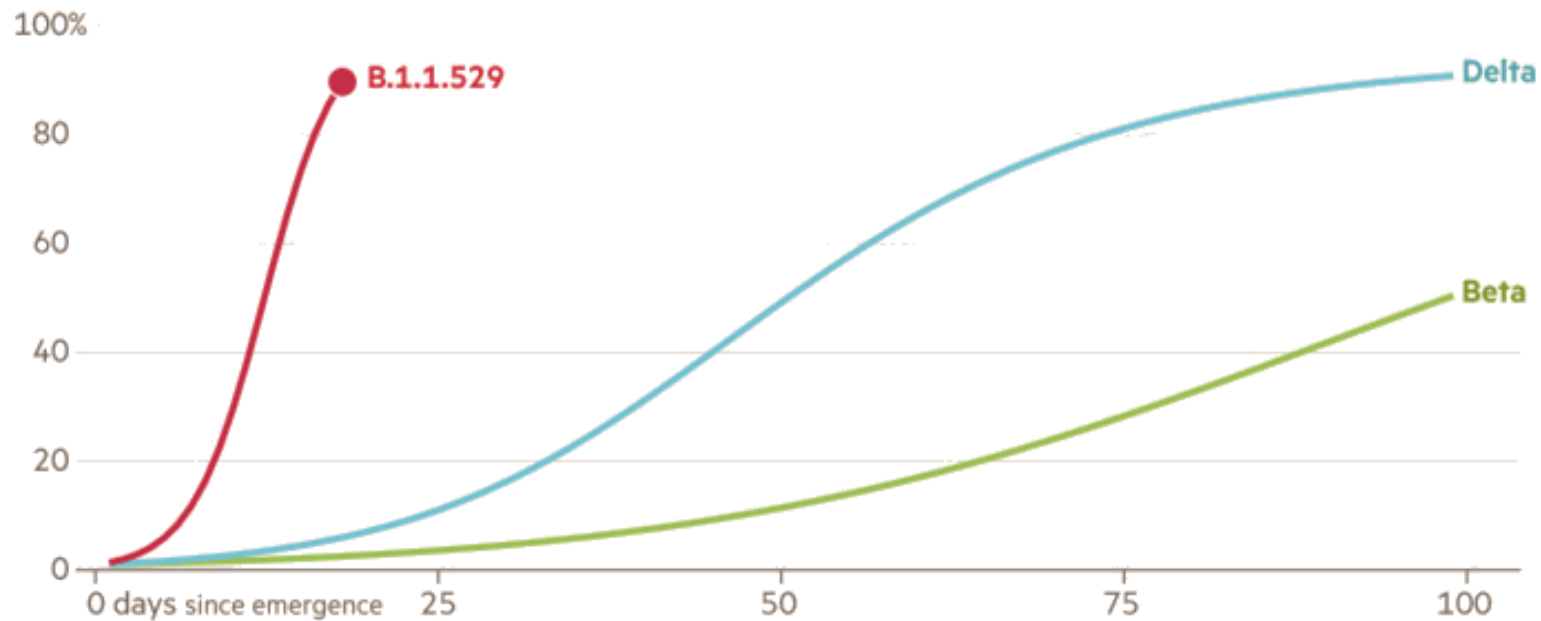
- Variant: A version of the virus with a certain pattern of mutations
- Omicron has **50** different mutations, many in the “spike region”

Sort by:				
S: D 614 G	S: D 614 G	S: D 614 G	S: D 614 G	S: D 614 G
S: E 484 K	S: E 484 K	S: E 484 K	S: E 484 Q	S: E 484 A
S: P 681 H		S: P 681 R	S: P 681 R	S: P 681 H
S: Y 144 -				S: Y 144 -
S: N 501 Y	S: N 501 Y	S: N 501 Y		S: N 501 Y
S: H 69 -				S: H 69 -
S: V 70 -				S: V 70 -
	S: K 417 N	S: K 417 T		S: K 417 N
				S: T 95 I
		S: L 452 R	S: L 452 R	
		S: T 478 K		S: T 478 K
	S: T 1027 I			
		S: D 950 N		
S: A 701 V				
	S: H 655 Y			S: H 655 Y
S: L 18 F	S: L 18 F			
	S: P 26 S			S: S 477 N
S: A 243 -				
S: L 242 -				
S: L 241 -				
				S: Y 145 D
S: D 1118 H				S: A 67 V
Other mutation				
S: A 570 D	S: D 80 A	S: T 20 N	S: T 19 R	S: E 154 K
S: T 716 I	S: D 215 G	S: D 138 Y	S: E 156 -	S: Q 1071 H
S: S 982 A		S: R 190 S	S: F 157 -	
		S: V 1176 F	S: R 158 G	
				S: G 142 -
				S: V 143 -
				S: N 211 -
				S: G 339 D
				S: S 371 L
				S: S 373 P
				S: S 375 F
				S: N 440 K
				S: G 446 S
				S: Q 493 R
				S: G 496 S
				S: Q 498 R
				S: Y 505 H
				S: T 547 K
				S: N 679 K
				S: N 764 K
				S: D 796 Y
				S: N 856 K
				S: Q 954 H
				S: N 969 K
				S: L 981 F

★ Why the concern? Epidemiologic evidence

A new variant is spreading rapidly in South Africa, and appears to be out-competing other variants much faster than previous variants of concern did

Share of all sequenced cases* in South Africa accounted for by each variant, by number of days since it passed 1%



*Growth of B.1.1.529 is modelled from SGTF data rather than full genomic sequences
Source: FT analysis of data from Gisaid and the South African National Health Laboratory Service
© FT

★ Why the concern? Totality of evidence

- **More transmissible?** (More contagious)
 - Likely, based on pattern seen in South Africa
- **More immune escape?** (Humans less likely to be fully protected as a result of vaccination or prior infection)
 - Likely, being investigated
 - Most divergent variant (most mutations) so far¹
 - Known mutations are concerning (*though some protection against severe disease still likely, T-cell response unclear*)
- **Less effective treatments?**
 - Somewhat likely
 - Monoclonal antibodies may need to be retargeted. Some good news—upcoming antiviral medications likely less affected.
- **More severe disease?**
 - Unclear
 - Early cases in South Africa among the young, relatively mild. Increasing hospitalizations in SA may be related simply to increasing cases (not the variant)
- **Less sensitive diagnostics?** (Tests don't work as well)
 - Unlikely
 - Some PCR assays may be less sensitive, impact likely minimal given most are multi-target
 - Some theoretical risk to antigen tests given deletion in N gene, but studies ongoing and initial results not concerning

1. <https://www.nature.com/articles/s41586-021-04005-0>. 20 spike mutations in a synthetic variant meant “near complete” resistance to neutralizing antibodies



National actions on travel

- As of November 29, 2021, the US announced travel restrictions from eight countries: Malawi, Mozambique, Zimbabwe, Botswana, Eswatini, Lesotho, South Africa, and Namibia
- May see increased testing and quarantine requirements for all international travelers.



Local CDPH/laboratory responses

- Regional Innovative Public Health Laboratory (RIPHL) tests for variants across Chicago
 - Federal funding, collaboration with Rush University Medical Center
 - Partner with multiple hospitals/health systems, coordinate with state
 - Sample is representative of city population
- Increase Chicago-wide collection for sampling for genetic sequencing for variants
- In the laboratory, add a pre-screening PCR step to identify possible Omicron variant rather than batching testing
- Continue to increase local wastewater sampling for COVID, including adding capacity at ORD international terminal
 - Argonne National Laboratory (subcontractors of UIC) should have primers for Omicron this week





★ Next steps

- We are well placed to *detect* Omicron and likely will soon.
- The question is our *response*.
 - **Vaccinations!!!**
 - **Boosters!**
 - **All** Chicagoans 18+ should get a booster 6 months after Pfizer/Moderna, 2 months after J/J.
 - **Masks indoors!**
 - **Staying home if you're sick, handwashing, distancing, etc.**



Last Updated 11.30.21

CPS COVID UPDATE



HEALTHY CPS

OFFICE OF STUDENT HEALTH & WELLNESS

Total Reported Case Counts in SY21-22

Aug. 29 - Nov. 27

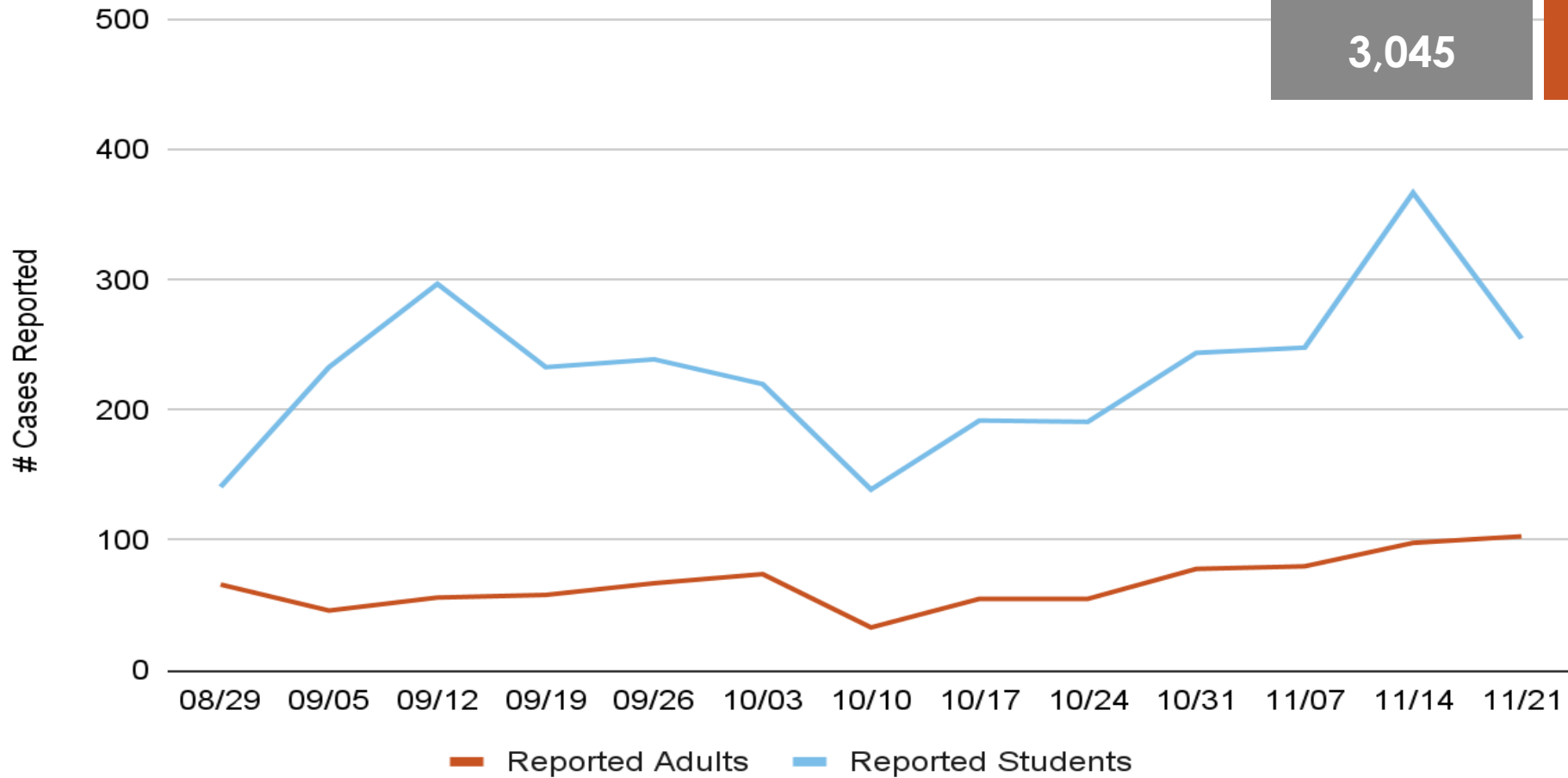
Overall Total Cases:

Students

3,045

Staff

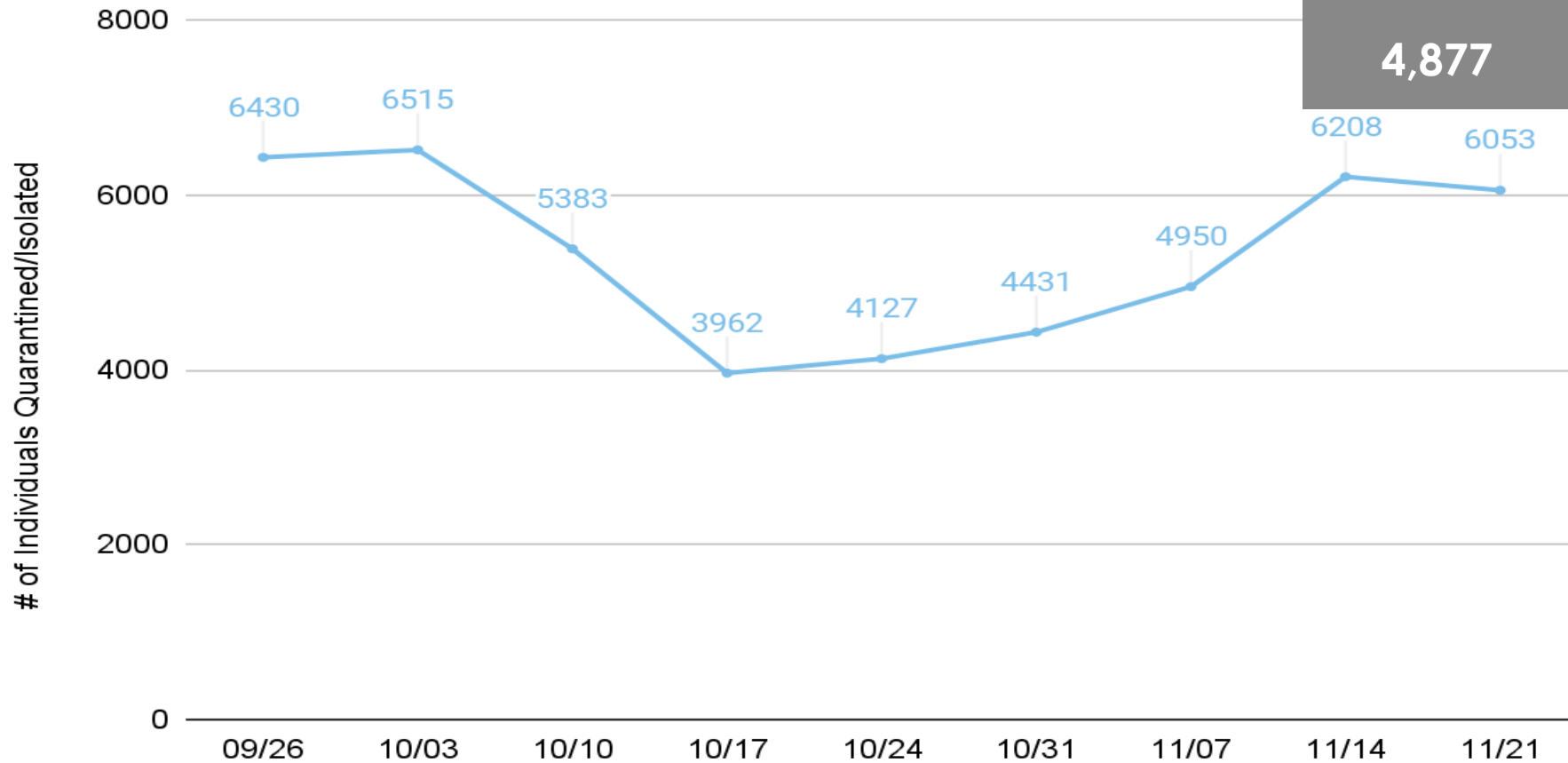
887



Weekly Average of Individuals Quarantined/Isolated

Sept. 26 - Nov. 27

Currently Quarantined/Isolated	
Students	Staff
4,877	185

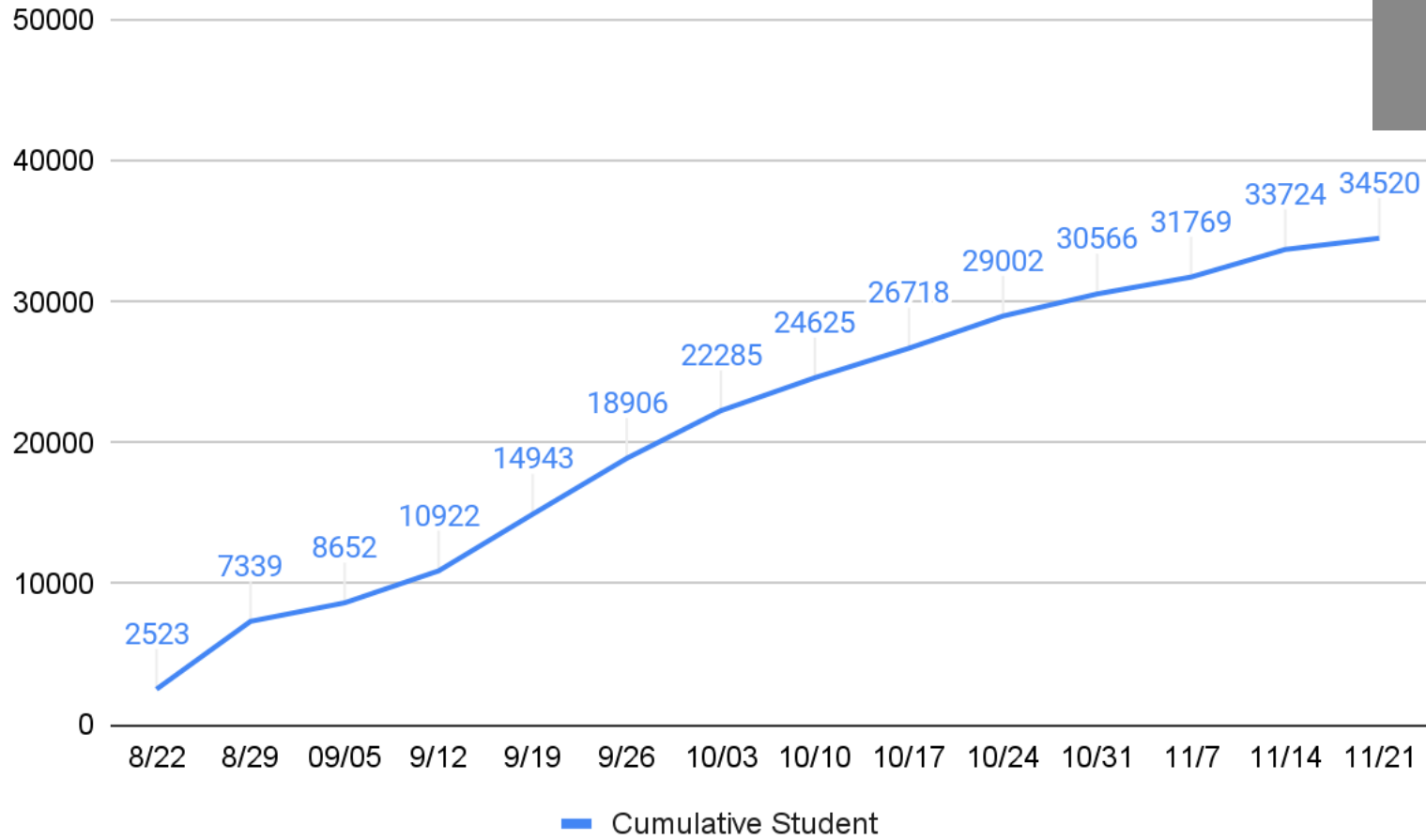


Registered Individual

Sept. 26 - Nov. 27

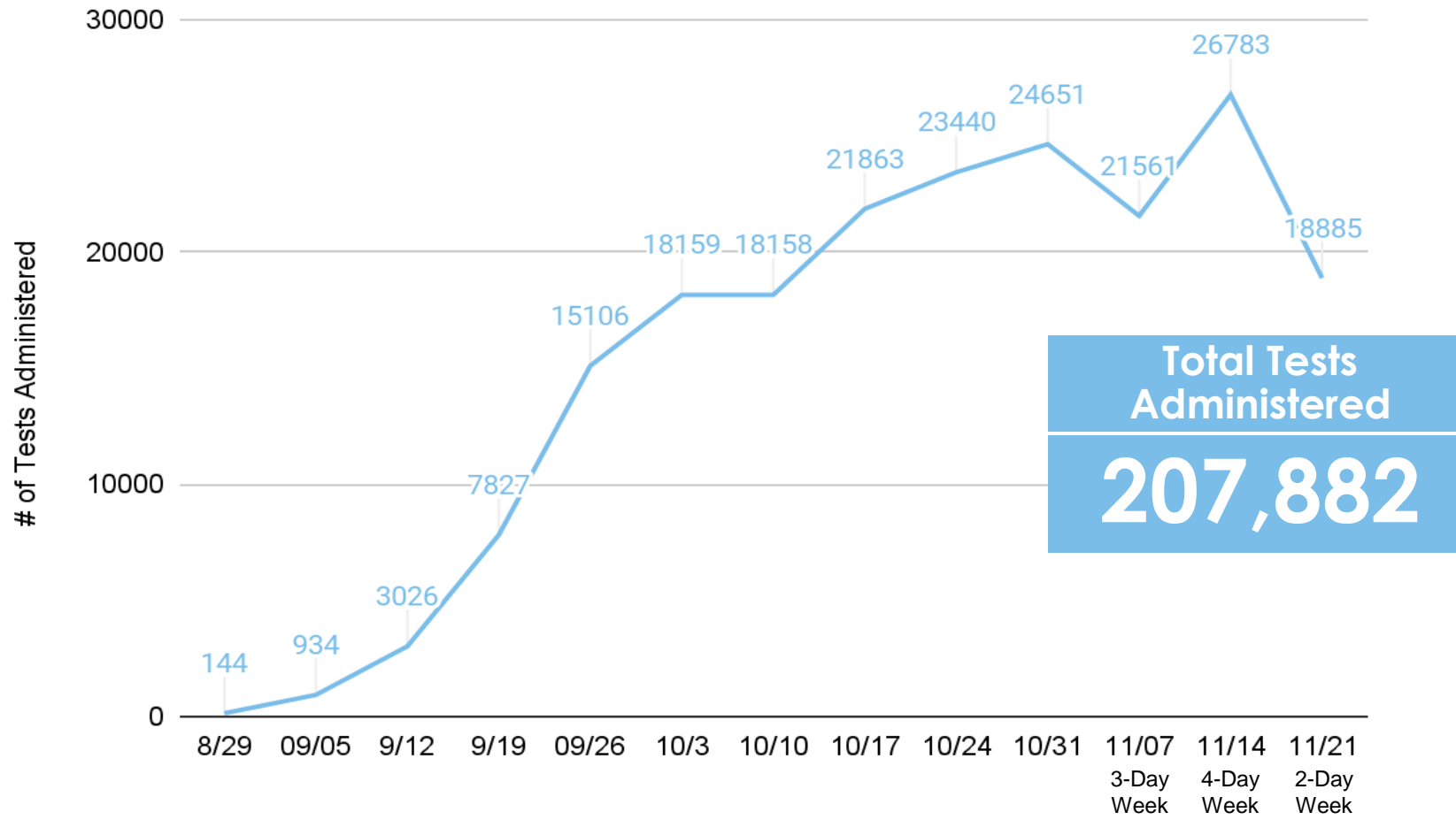
Registered for Testing

Students
35,433



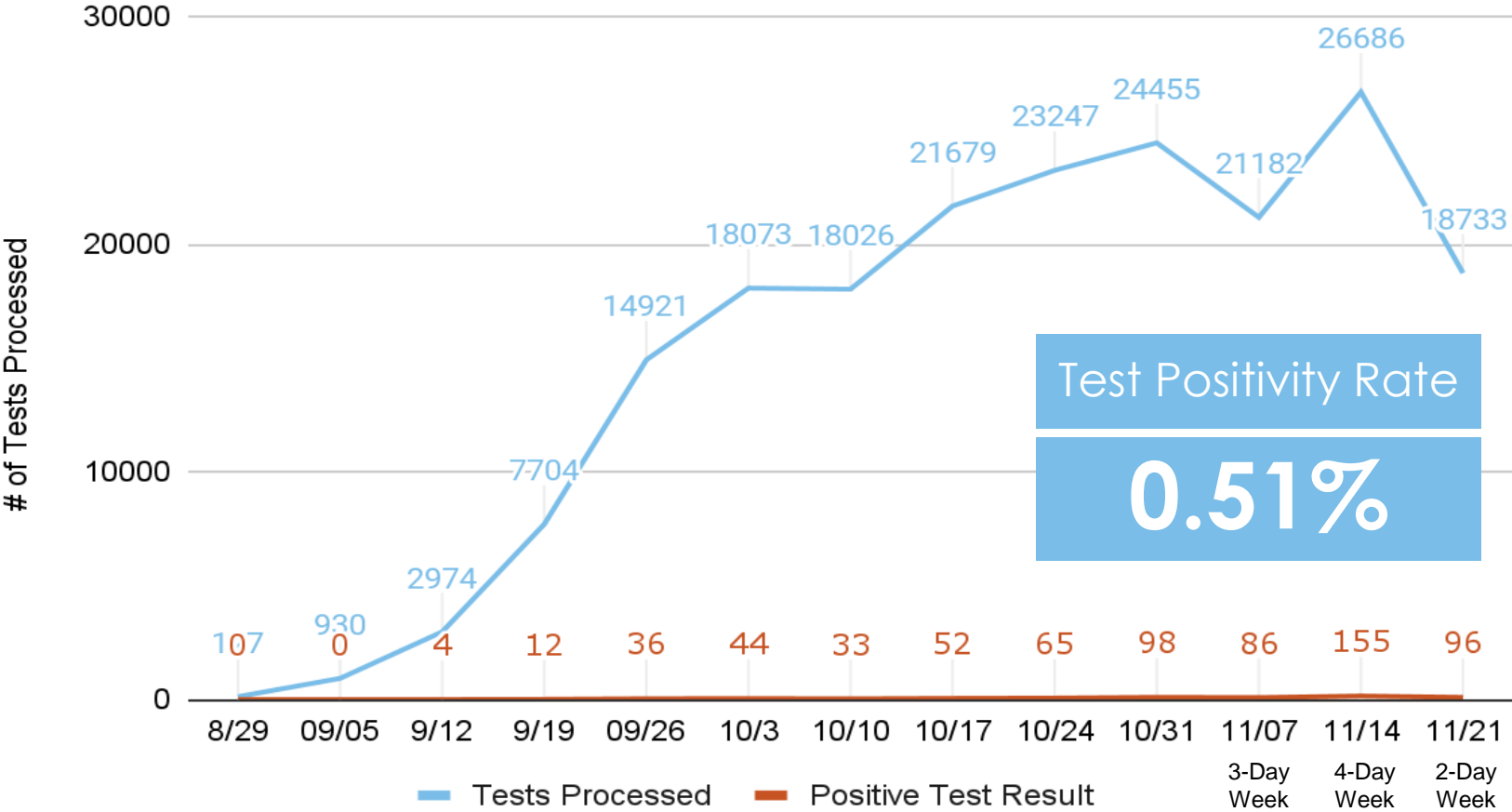
Number of Tests Administered

Sept. 26 - Nov. 27



Weekly Number of COVID Tests Completed vs. Positive Tests

Aug. 29 - Nov. 27



CPS Staff & Student Vaccination Status

90.3%

of CPS staff are fully vaccinated

49.6%

of CPS students ages 12 and up have been fully vaccinated

12.6%

of CPS students ages 5 - 11 have received at least one dose of the vaccine



HEALTHY CPS

OFFICE OF STUDENT HEALTH & WELLNESS

CPS Vaccine Advertising & Material for Schools

A big reason why I decided to get vaccinated was to protect my friends and family – especially my great-grandma.



**MAKE A PLAN
GET VACCINATED**

Find out where you can get vaccinated at [vaccines.gov](https://www.vaccines.gov)



I'm getting vaccinated because I live with both of my grandparents and I want to keep them safe.



**MAKE A PLAN
GET VACCINATED**

Find out where you can get vaccinated at [vaccines.gov](https://www.vaccines.gov)



I have little cousins, little siblings, and all of them are the big reason I got vaccinated.



**MAKE A PLAN
GET VACCINATED**

Find out where you can get vaccinated at [vaccines.gov](https://www.vaccines.gov)



Una gran razón por la que decidí vacunarme fue para proteger a mis amigos y familiares, especialmente a mi bisabuela.



**HAZ UN PLAN
VACÚNATE**

Descubre dónde puedes vacunarte en [vaccines.gov](https://www.vaccines.gov)



I wanted to get back to playing football this year so I got the vaccine.



**MAKE A PLAN
GET VACCINATED**

Find out where you can get vaccinated at [vaccines.gov](https://www.vaccines.gov)



This is my last year of high school. I want to make sure that we all remember this together.



**MAKE A PLAN
GET VACCINATED**

Find out where you can get vaccinated at [vaccines.gov](https://www.vaccines.gov)



PROTECT
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CHICAGO ★