

# Ask Dr. Arwady

**September 13, 2022**



# TODAY: One year anniversary of launching the CARE program







# Last Wednesday (9/7) CDPH held a Fentanyl Test Kit Build and Overdose Education Event in collaboration with Back of the Yards Neighborhood Council



Fentanyl, an opioid that is 50-100 times stronger than heroin or morphine, is increasingly found in substances like non-prescription pills and cocaine. To be safer, use fentanyl test strips to test for fentanyl before using.

For more information on CDPH's fentanyl test kit program or to request kits, email [osu.cdph@cityofchicago.org](mailto:osu.cdph@cityofchicago.org)



# Chicago's HIV status-neutral work featured in recently released CDC issue brief



Centers for Disease Control and Prevention  
CDC 24/7: Saving Lives, Protecting People™

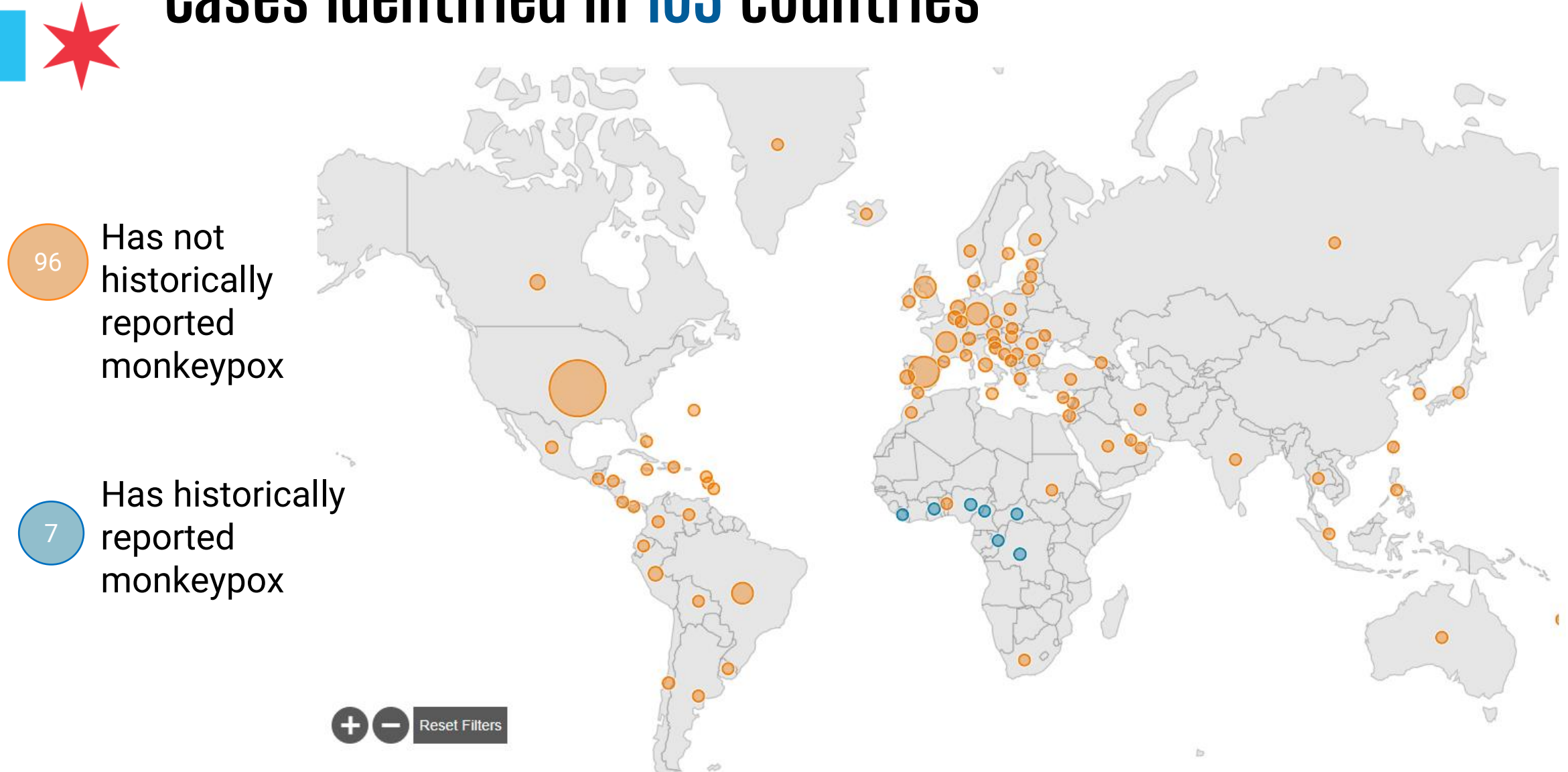
## Issue Brief: Status Neutral HIV Care and Service Delivery Eliminating Stigma and Reducing Health Disparities

- **Chicago: Integrating all HIV and sexually transmitted infection (STI) services.** The Chicago Department of Public Health recently restructured its entire HIV services portfolio to adopt a status neutral approach. Based on feedback from its community members over a two-year community engagement process, the portfolio now integrates HIV and STI funding to deliver comprehensive care that links people to healthcare services like STI screening, substance use disorder treatment, mental health, housing, financial assistance, and psychosocial support in addition to HIV treatment and prevention. Anyone can access these services regardless of HIV status.

# Monkeypox Update

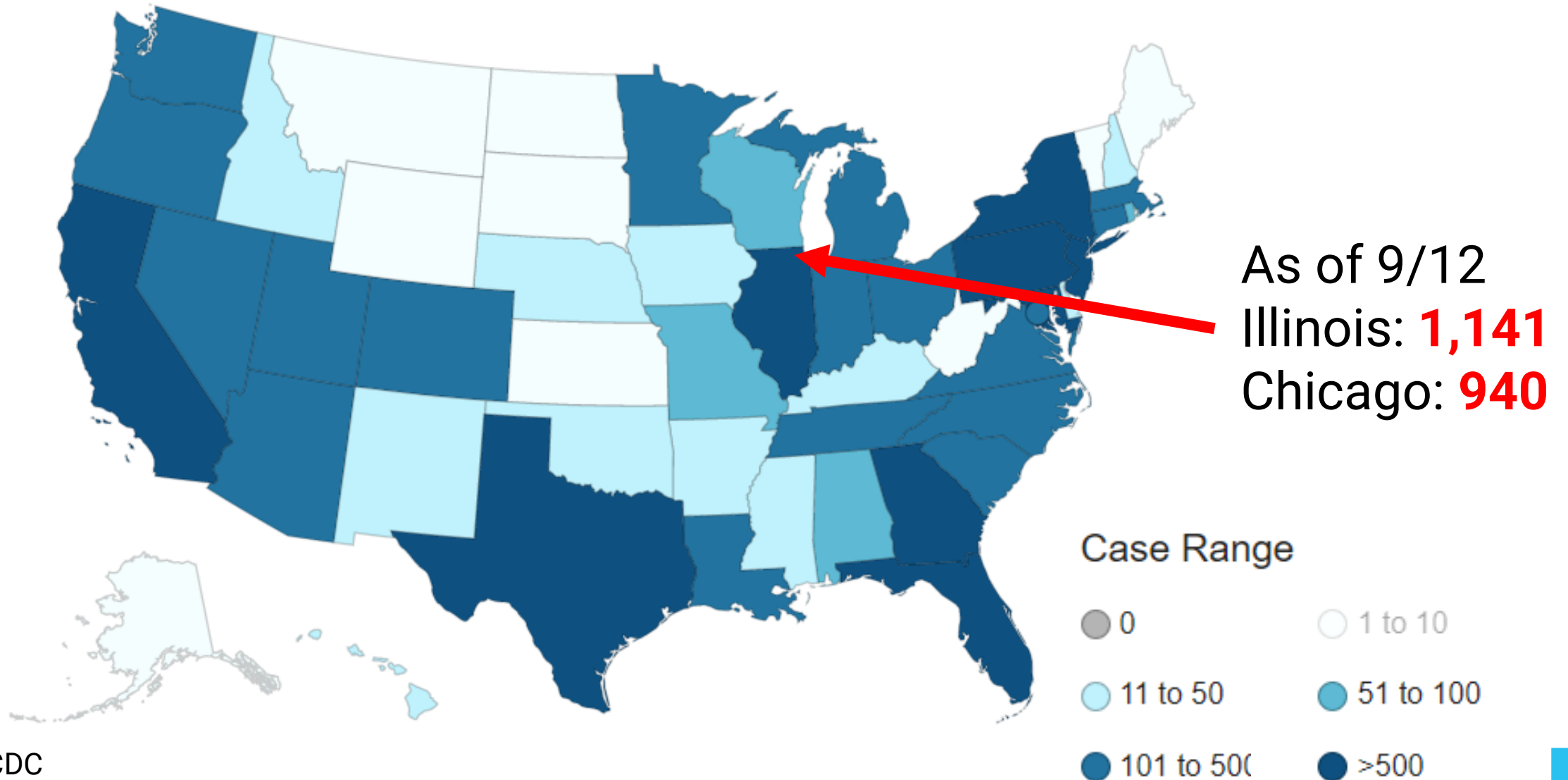
**September 13, 2022**

# 2022 MPV global outbreak: 57,995 Total Confirmed Cases identified in 103 countries

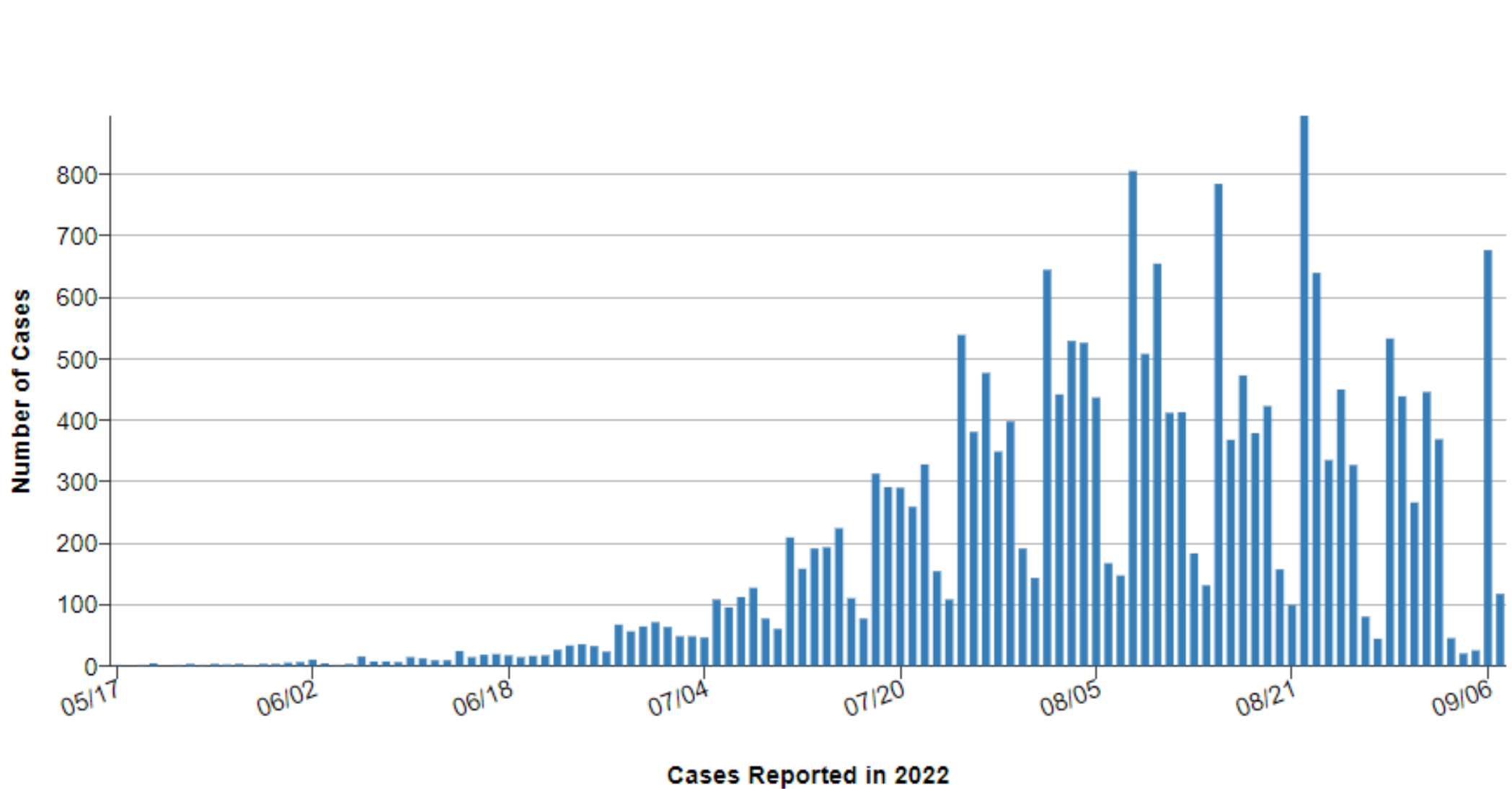




In the U.S., **21,985** Total Confirmed MPV Cases identified



# U.S. Monkeypox Case Trends Reported to CDC – 9/12/2022

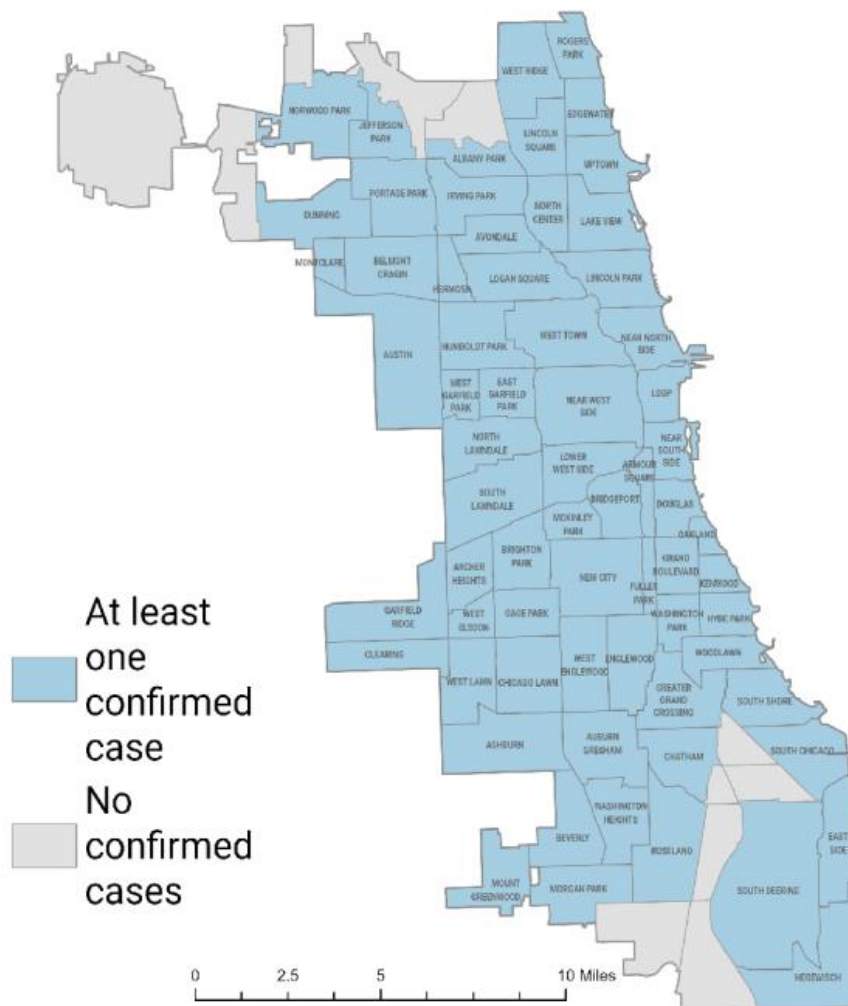




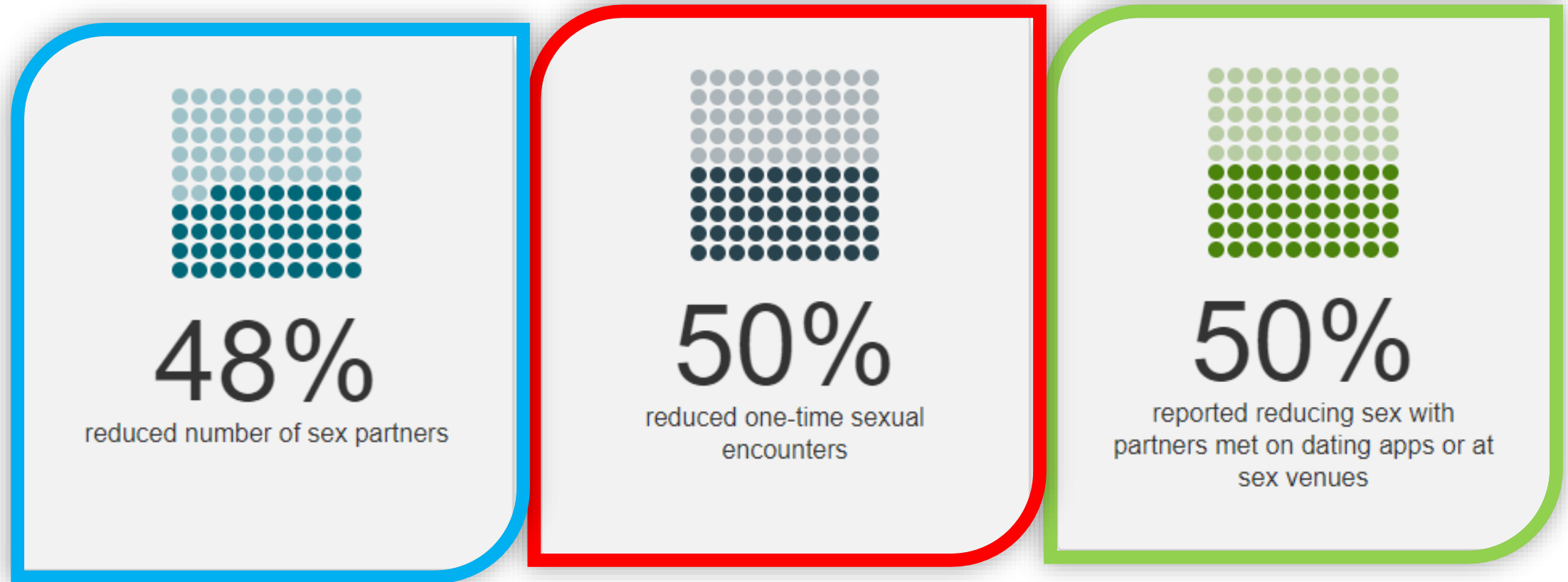


# MPV is across Chicago: Residents of **67** of Chicago's 77 community areas have been diagnosed with MPV to date

as of 9/12/2022



# ★ Impact of Monkeypox Outbreak on Select Behaviors -8/22/2022



# MPV cases diagnosed in Chicago residents (updates M-F)

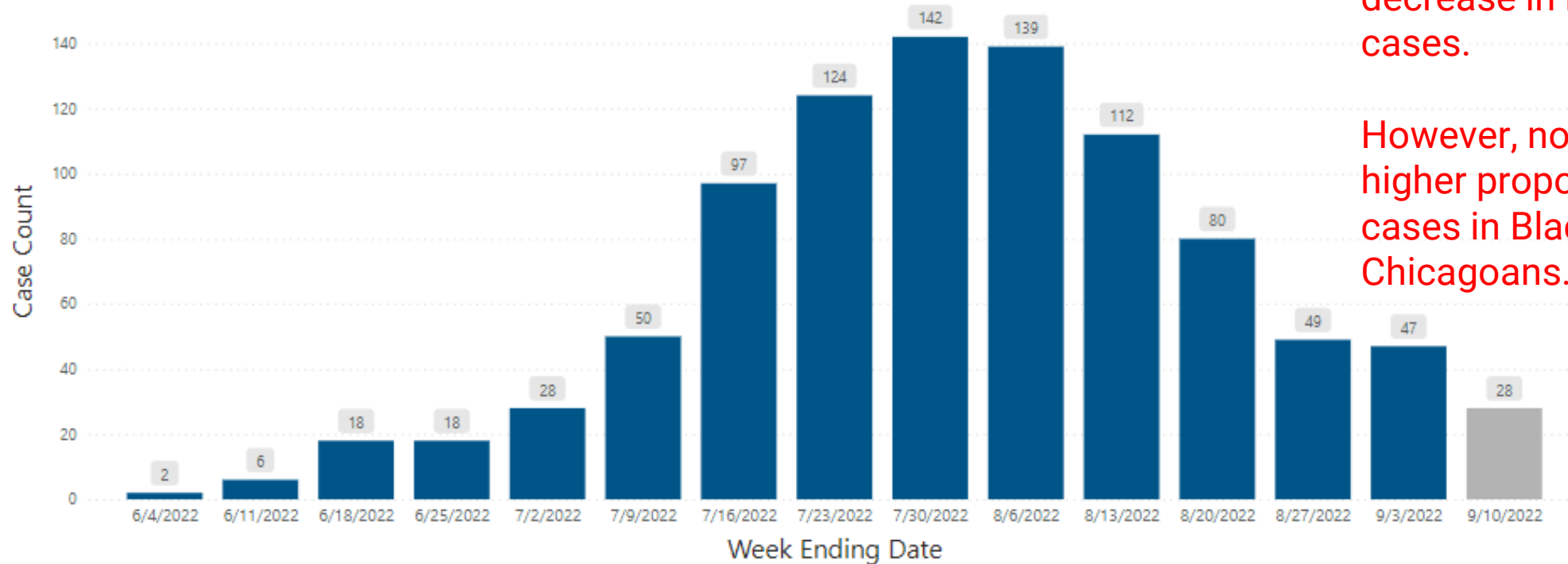


Cumulative Cases
940

Cumulative Hospitalizations
59

Cumulative Deaths
0

## MPV (Monkeypox) Cases Diagnosed in Chicago Residents, by Week



Good news: Ongoing decrease in new cases.

However, now seeing higher proportion of cases in Black Chicagoans.

\*Data represented in the gray-colored bar(s) are not yet complete.



# Demographics of Chicagoans diagnosed with MPV

Age Group	Count	(%)
0-17	0	(0%)
18-24	59	(6%)
25-34	415	(44%)
35-44	286	(30%)
45-54	126	(13%)
55-64	51	(5%)
65+	3	(0%)
Unknown	0	(0%)
Race/Ethnicity	Count	(%)
Asian, non-Latinx	29	(3%)
Black, non-Latinx	234	(25%)
Latinx	290	(31%)
White, non-Latinx	365	(39%)
Other, non-Latinx	9	(1%)
Unknown	13	(1%)
Sex	Count	(%)
Male	928	(99%)
Female	10	(1%)
Other	0	(0%)
Unknown	2	(0%)

Gender	Count	(%)
Man	850	(90%)
Woman	5	(1%)
Transgender Man	4	(0%)
Transgender Woman	6	(1%)
Other	7	(1%)
Unknown	68	(7%)
Sexual Orientation	Count	(%)
Gay/Lesbian	625	(66%)
Bisexual	52	(6%)
Straight/Heterosexual	32	(3%)
Other	10	(1%)
Unknown	221	(24%)

94% of Chicagoans reporting their sexual orientation have been gay or bisexual

- Sex** refers to sex assigned at birth
- Gender** and **sexual orientation** are self-reported at the time of care or during interview with CDPH staff
- Some information about cases may be classified as unknown because the case did not provide it or because the case has not yet been reached for interview.

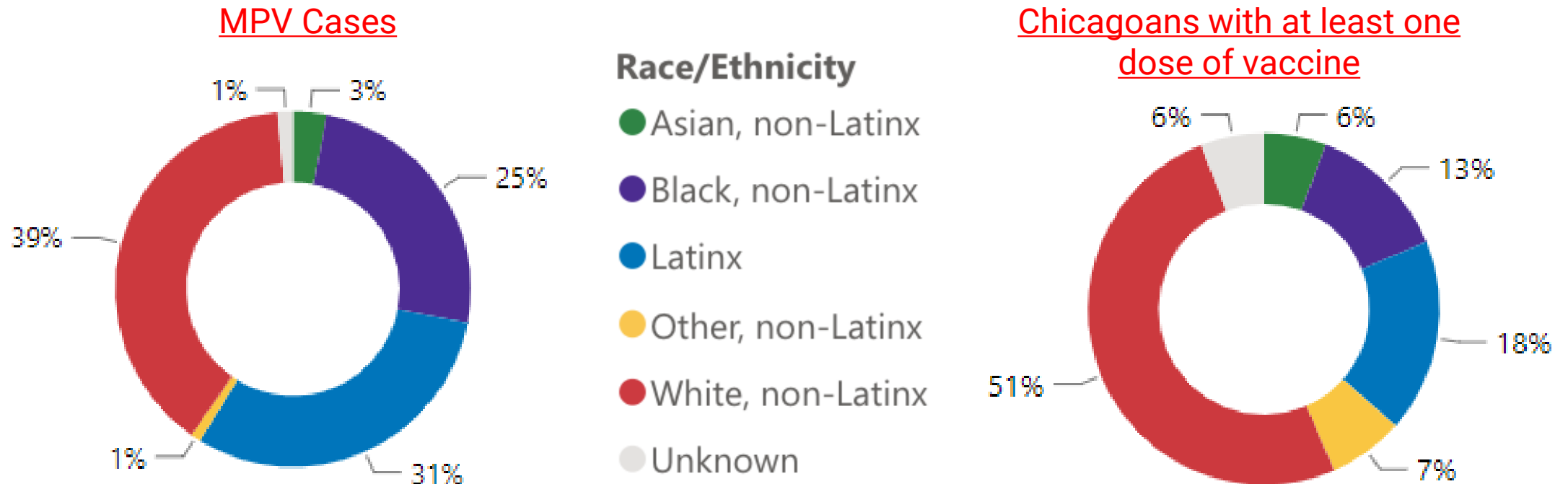




## Continued focus on increasing testing and vaccination among Latinx and Black Chicagoans at increased risk:

★ While 31% of MPV cases have been in Latinx Chicagoans, as of September 12, 18% of MPV vaccines have gone to Latinx Chicagoans.

While 25% of MPV cases have been in Black Chicagoans, 13% of MPV vaccines have gone to Black Chicagoans.





Cumulative Doses

31,987

Cumulative First Doses

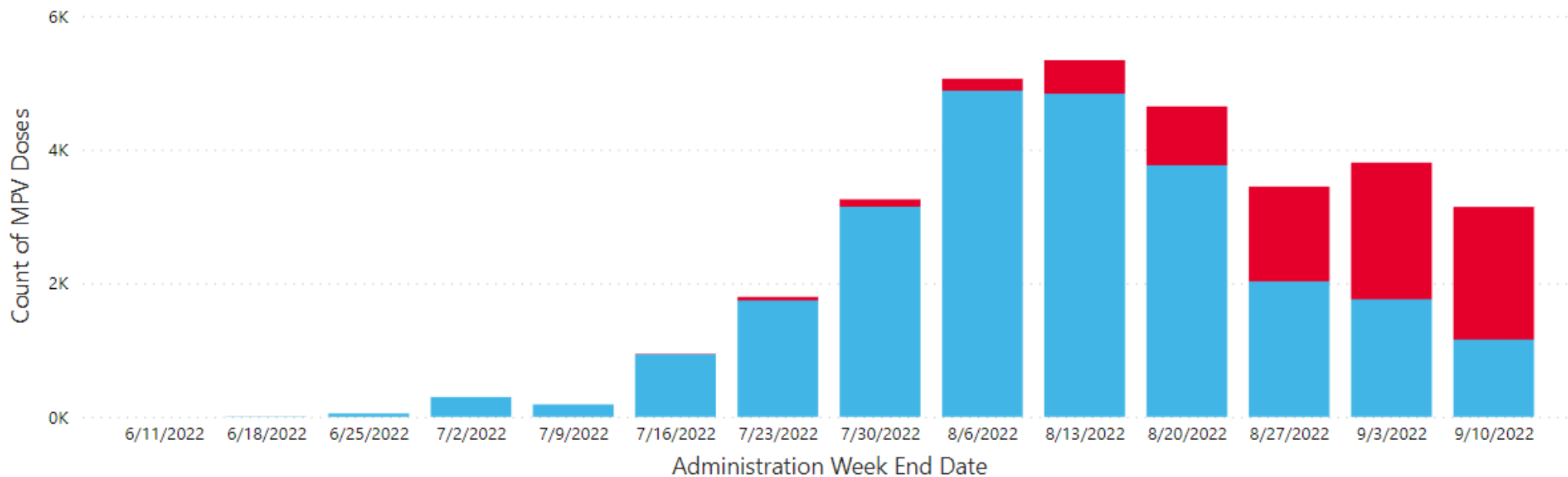
24,796

Cumulative Second Doses

7,191

## Doses of MPV (Monkeypox) Vaccine Administered to Chicagoans, by Week

Dose Number ● 1 ● 2



\*Data from the last week displayed may be incomplete as additional doses are reported.

Data last updated: 9/12/2022. Counts include doses administered through 9/10/2022.

Data are updated on Monday at 2:00 p.m., except for City holidays when data will be updated on Tuesday. All data are provisional and subject to change.

Data presented do not include doses of vaccine given in Chicago to non-Chicago residents.

## Chicagoans Vaccinated Against MPV (Monkeypox) by Demographic Group

	Received a 1 <sup>st</sup> Dose	Received a 2 <sup>nd</sup> Dose
Age Group	Count (%)	Count (%)
0-17 yrs	2 (0%)	(0%)
18-24 yrs	1,791 (7%)	304 (4%)
25-34 yrs	9,715 (39%)	2,841 (40%)
35-44 yrs	6,347 (26%)	2,108 (29%)
45-54 yrs	3,468 (14%)	1,039 (14%)
55-64 yrs	2,619 (11%)	713 (10%)
65+ yrs	829 (3%)	185 (3%)
Unknown	25 (0%)	1 (0%)
Race/Ethnicity	Count (%)	Count (%)
Asian, non-Latinx	1,421 (6%)	397 (6%)
Black, non-Latinx	3,232 (13%)	831 (12%)
Latinx	4,409 (18%)	1,101 (15%)
White, non-Latinx	12,581 (51%)	4,147 (58%)
Other, non-Latinx	1,714 (7%)	404 (6%)
Unknown	1,439 (6%)	311 (4%)
Sex	Count (%)	Count (%)
Male	22,803 (92%)	6,884 (96%)
Female	1,375 (6%)	163 (2%)
Other	56 (0%)	9 (0%)
Unknown	562 (2%)	135 (2%)
<b>Total</b>	<b>24,796 (100%)</b>	<b>7,191 (100%)</b>



943

Chicago MPV Cases

169

Chicagoans Received TPOXX

24,811

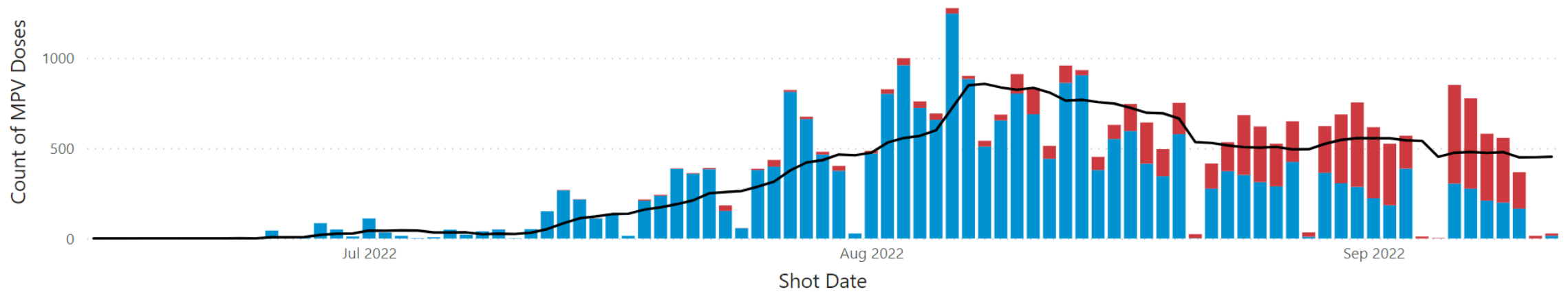
Chicagoans Received At Least One Dose

7,219

Chicagoans Received Two Doses

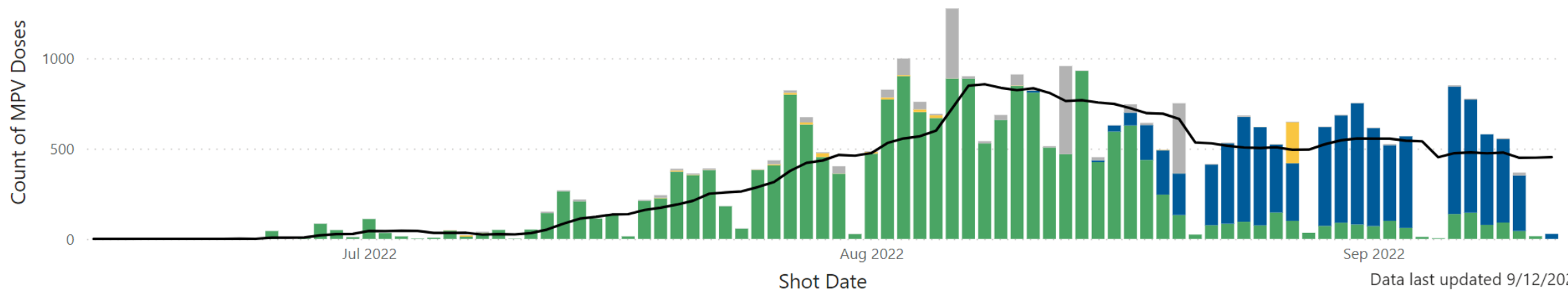
## Daily MPV Vaccinations Given to Chicago Residents by Dose Number

● Dose 1 ● Dose 2 ● 7-Day Rolling Average



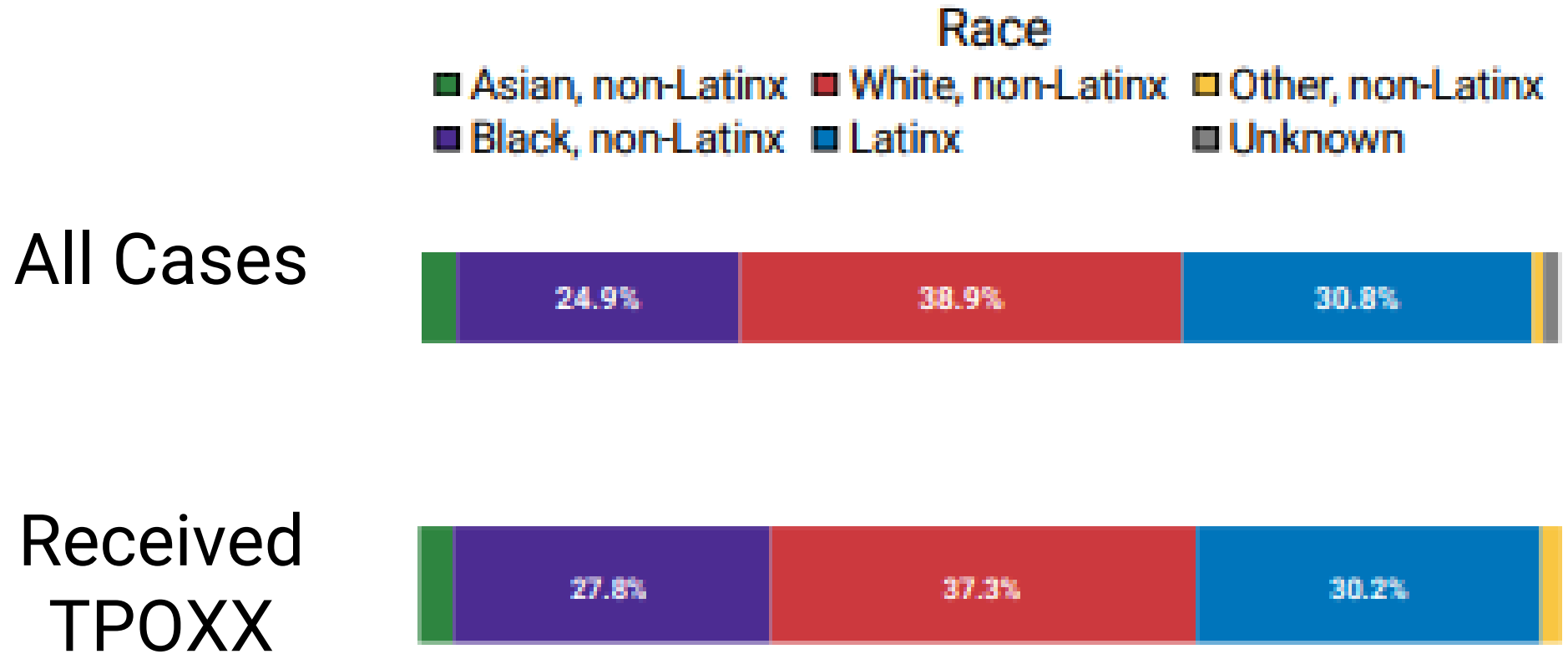
## Daily MPV Vaccinations Given to Chicago Residents by Route of Administration

● Subcutaneous ● Intradermal ● Other ● Unknown ● 7-Day Rolling Average



Data last updated 9/12/2022.

# Excellent match on race/ethnicity of MPV cases and Chicagoans who received TREATMENT (TPOXX) for MPV (As of 9/12/2022)



# ICYMI!!

- ★ Eligibility for the monkeypox vaccine has expanded in Chicago to:
  - ★ ALL sexually active Gay, Bi and other men who have sex with men
  - ★ ALL sexually active transgender persons
- ★ Second dose registration is open!
- ★ Plenty of appointments available!



# ANNOUNCEMENT!

**MPV VACCINATIONS**  
**AVAILABLE 6 DAYS A WEEK**  
**AT THREE CDPH STI SPECIALTY CLINICS**  
**BY APPOINTMENT ONLY!**

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**Lakeview • 2849 N Clark St, 1st Floor**

**Austin • 4909 W Division St, Suite 411**

**Roseland • 200 E 115th St, Floor 1.5**

Register at: [getvaxchi.chicago.gov](https://getvaxchi.chicago.gov)

**ELIGIBILITY REQUIREMENTS AT:**





# HAVE QUESTIONS ABOUT MONKEYPOX ?

visit

**CHICAGO.GOV/MONKEYPOX**

or call

**312-746-4835**

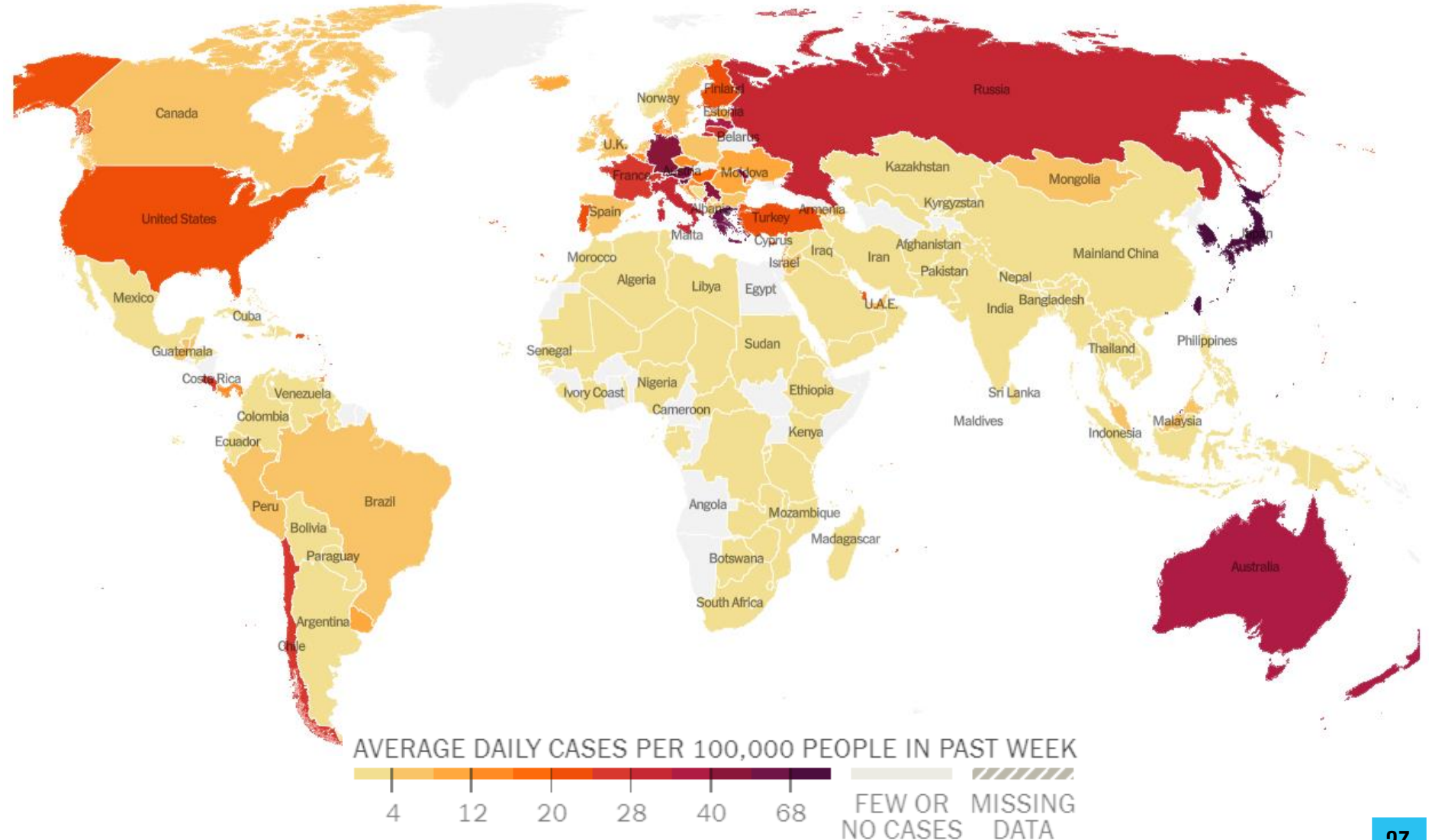
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**HIV/STI Resource Hub: 844-482-4040**

# COVID Update

**September 13, 2022**

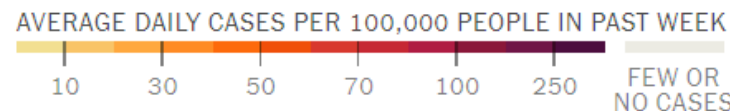
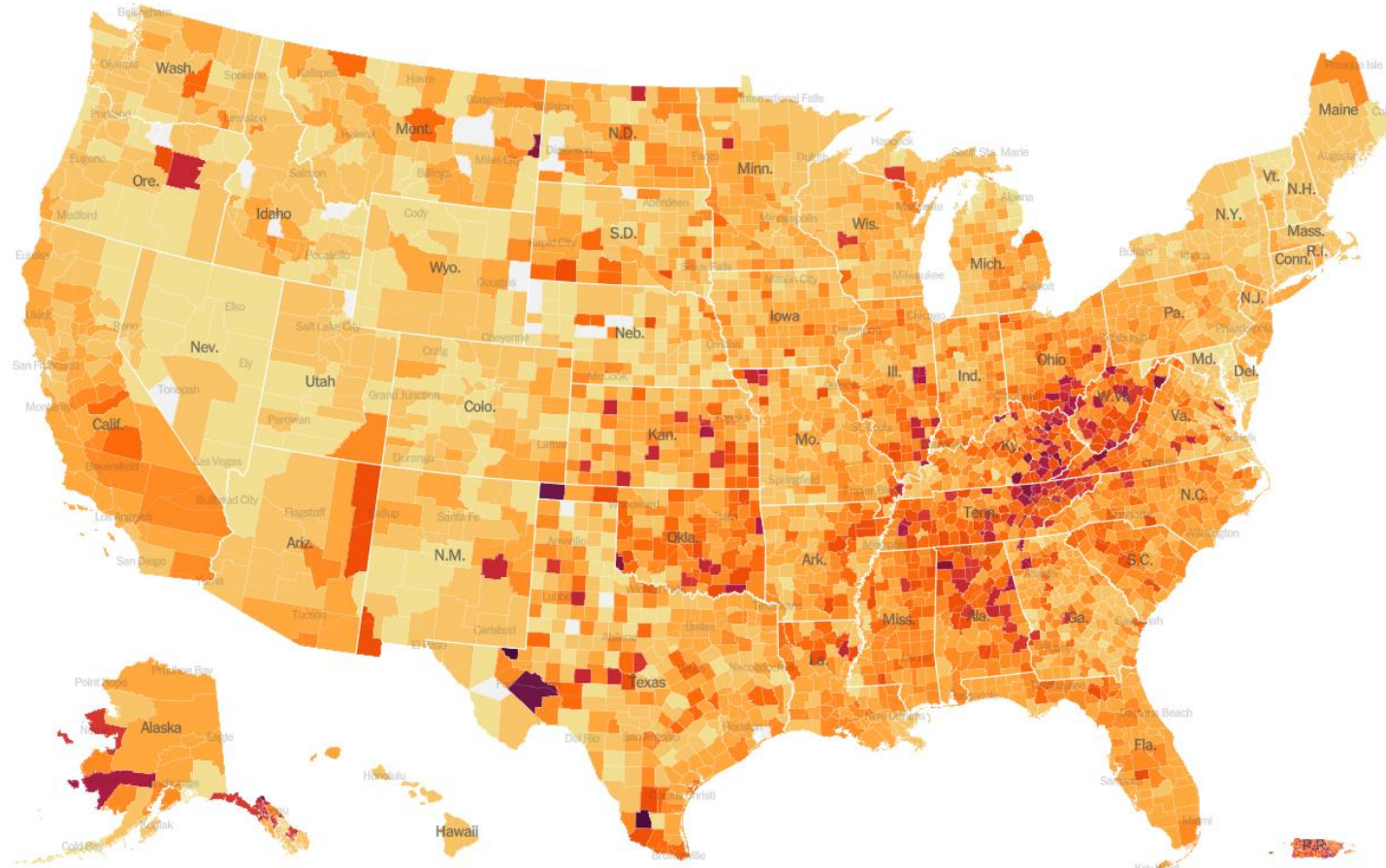
# Average daily COVID-19 cases per 100,000 population



**606.1 Million Cases**  
**6.5 Million Deaths**

**12.3 Billion Vaccine  
Doses Administered**  
**5.3 Billion Vaccinated**  
(69.5% of population)

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



## Vaccinations

	Fully Vaccinated	With a Booster
All ages	67%	33%
65 and up	92%	65%

### National currently:

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

### Illinois currently:

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

### Chicago currently:

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

**94.7 Million Cumulative Cases**  
**1.04 Million Cumulative Deaths**

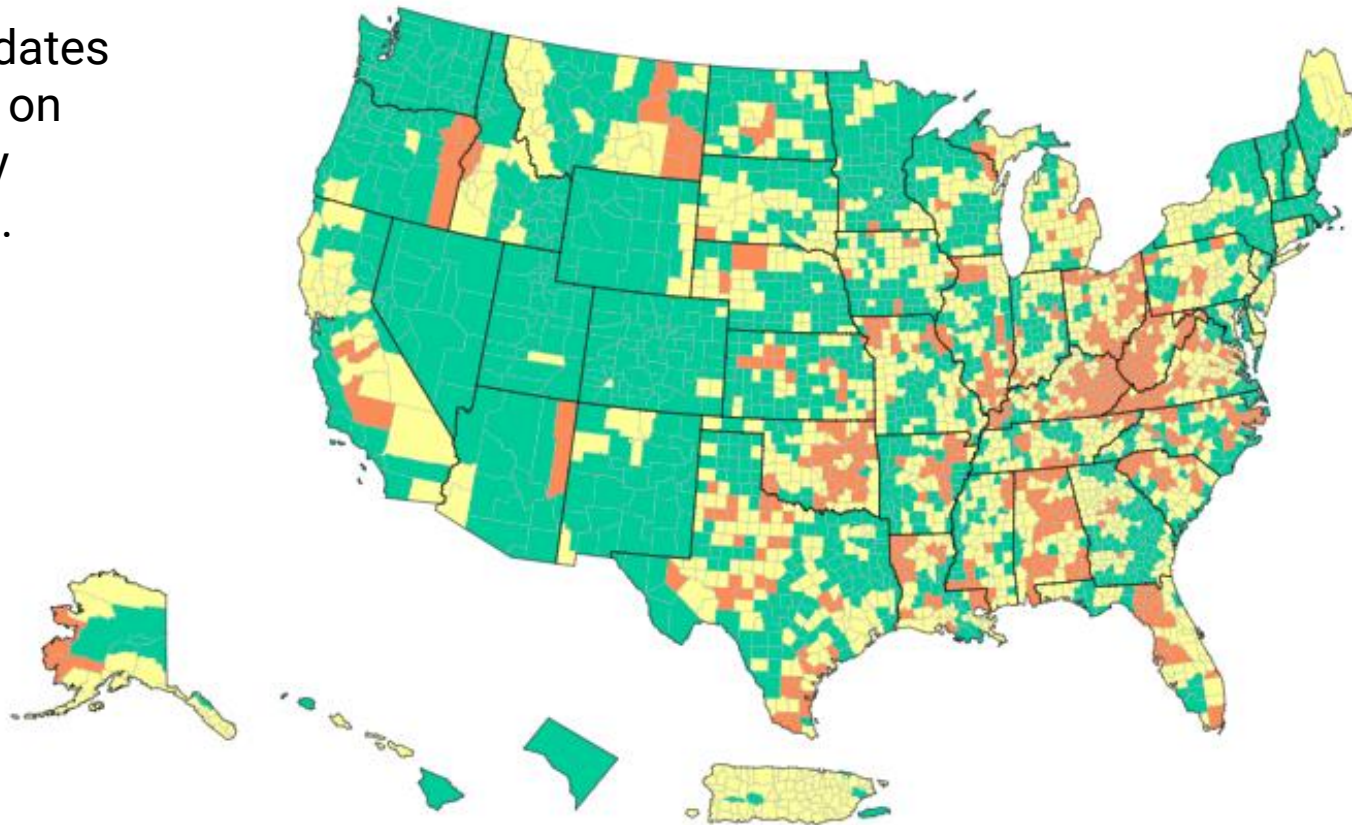


# COVID: In last week's CDC update, **57% of U.S. Counties** reported High or Medium COVID Community Level (68% one week ago).

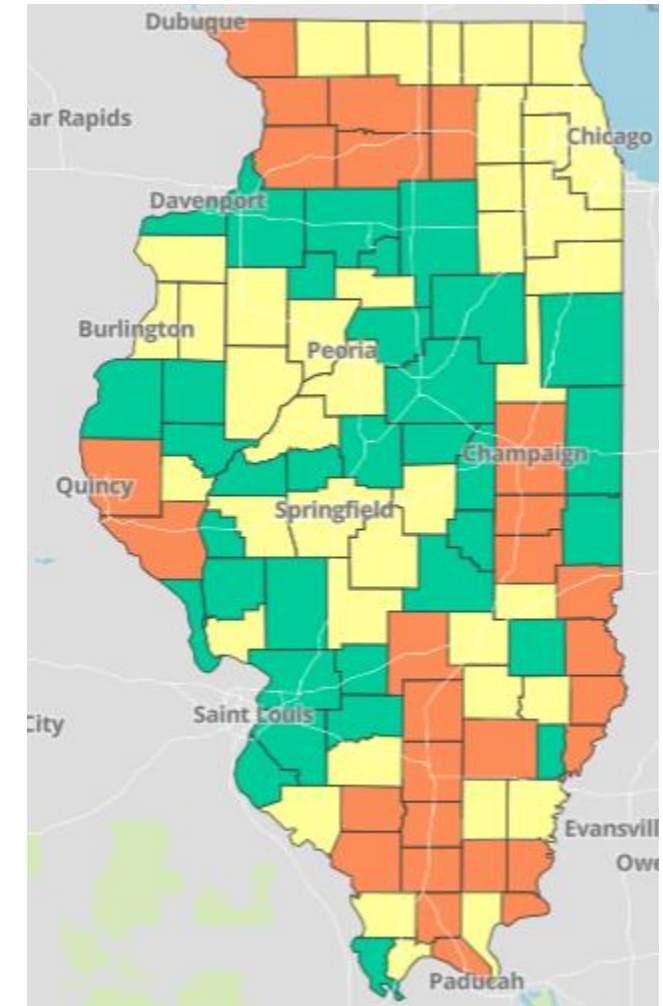


Low Medium High N/A

\*CDC updates this map on Thursday evenings.



GU AS MP VI





## Our local risk based on CDC COVID-19 Community Levels is:

# Medium

	New cases per 100,000 population (last 7 days) <i>[Goal is &lt;200]</i>	New admissions per 100,000 population (last 7 days) <i>[Goal is &lt;10]</i>	Percent of staffed inpatient beds occupied by COVID-19 patients (last 7 days) <i>[Goal is &lt;10%]</i>
City of Chicago	134	8.8	4.2%
Cook County (including City of Chicago)	129	10.2	4.2%

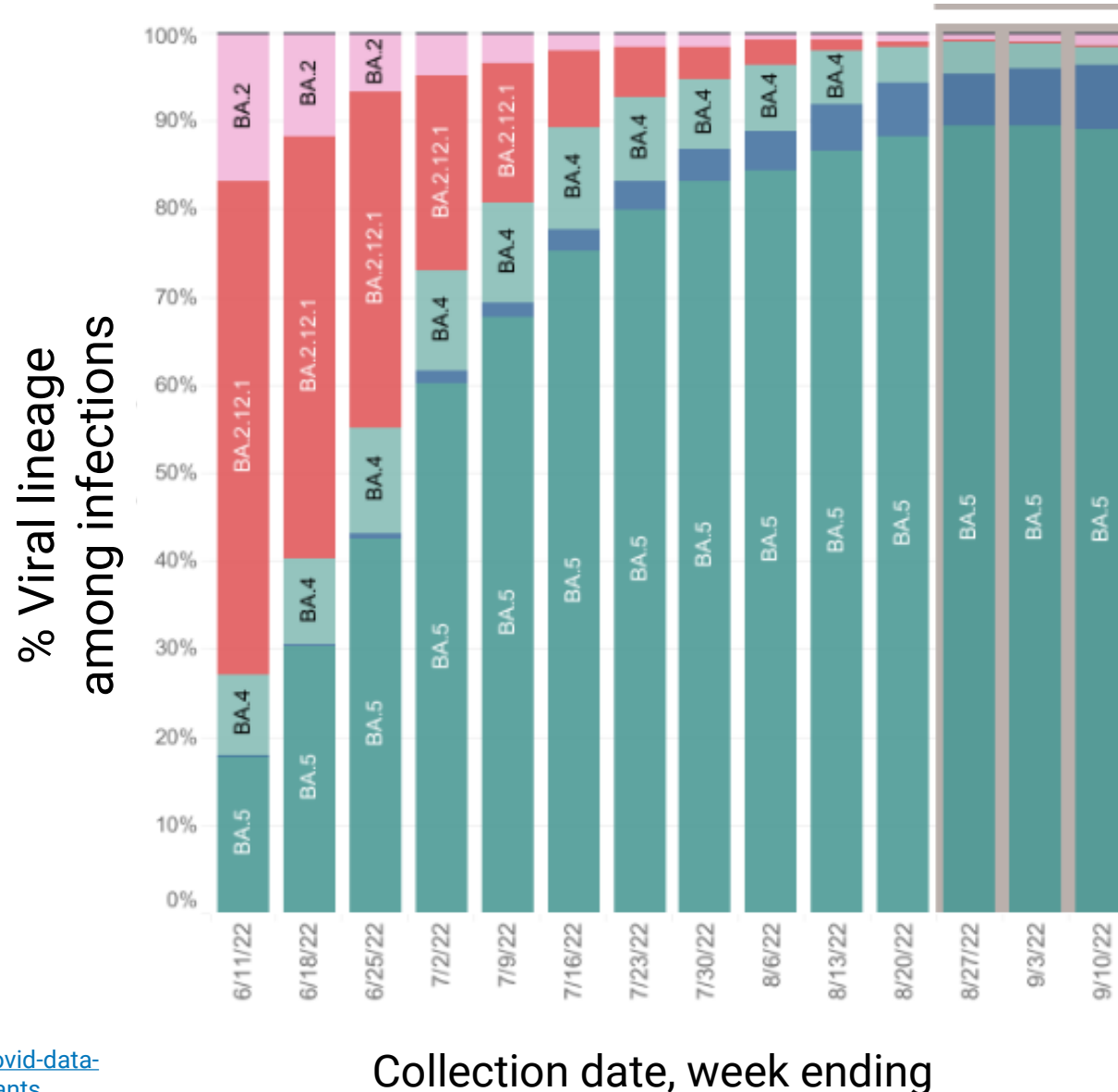
*Chicago metrics are calculated based on Chicago-level data.*

*Cook County metrics are calculated by the CDC and posted on the [CDC Community Levels website](https://www.cdc.gov/covid19/community-levels/).*

*Data current as of 9/9/2022.*

# Variant Surveillance, Midwest Region

Continued evolution of more infectious Omicron subvariants; increased BA4/5



**Good News:**

***It's STILL ALL OMICRON  
(and now nearly all BA4/5)***

**BA.2 (1.5%)**

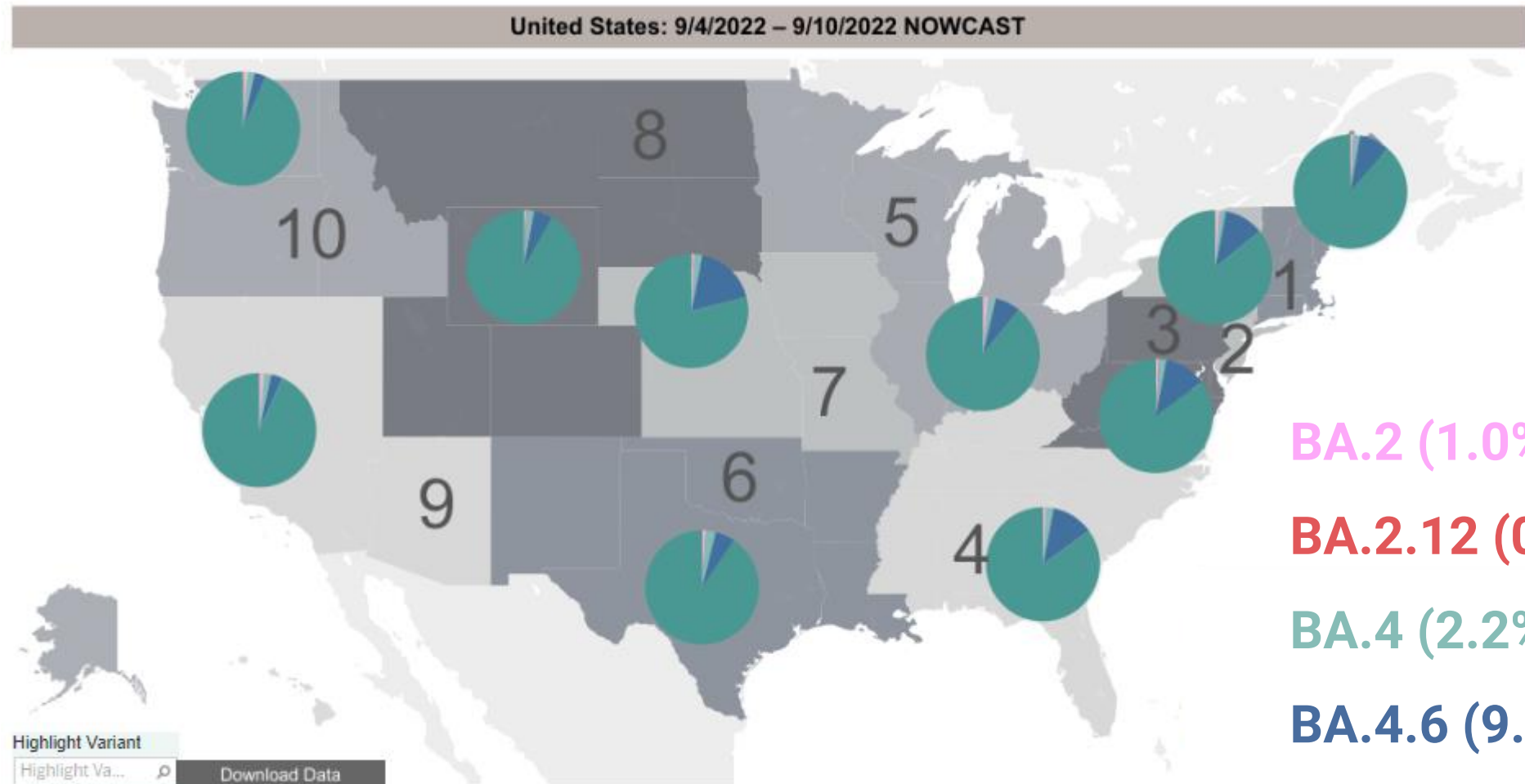
**BA.2.12.1 (0.1%)**

**BA.4 (2.2%)**

**BA.4.6 (7.2%)**

**BA.5 (89.1%)**

# SARS-CoV-2 Variant Surveillance, United States



BA.2 (1.0%)

BA.2.12 (0.1%)

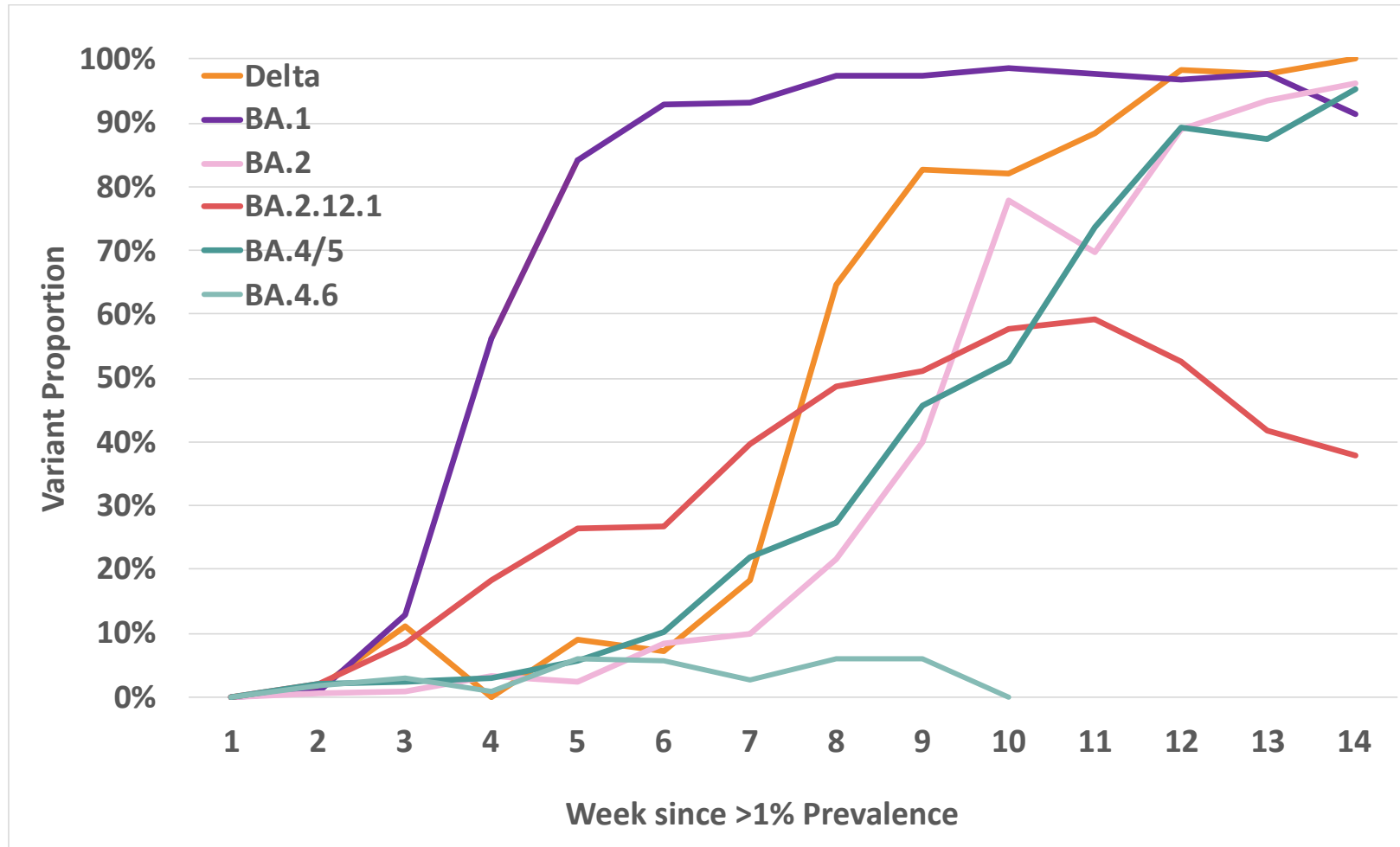
BA.4 (2.2%)

BA.4.6 (9.2%)

BA.5 (87.5%)

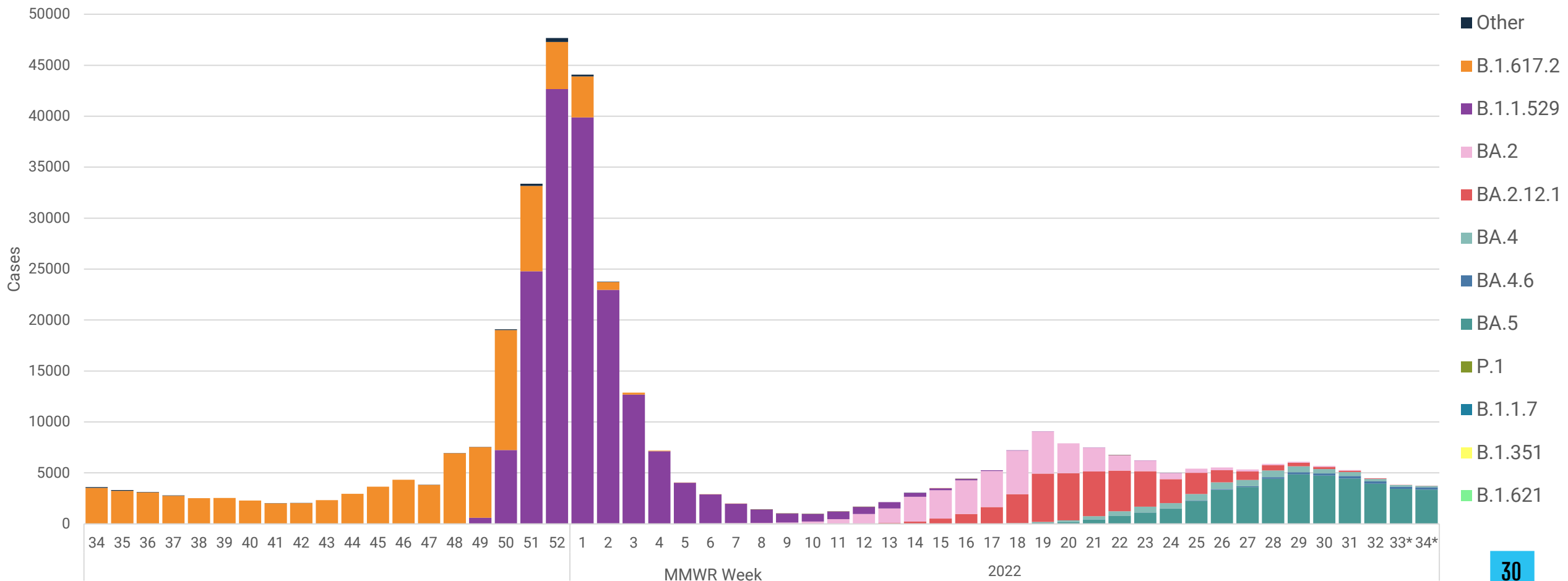


# Variant Emergence in Chicago



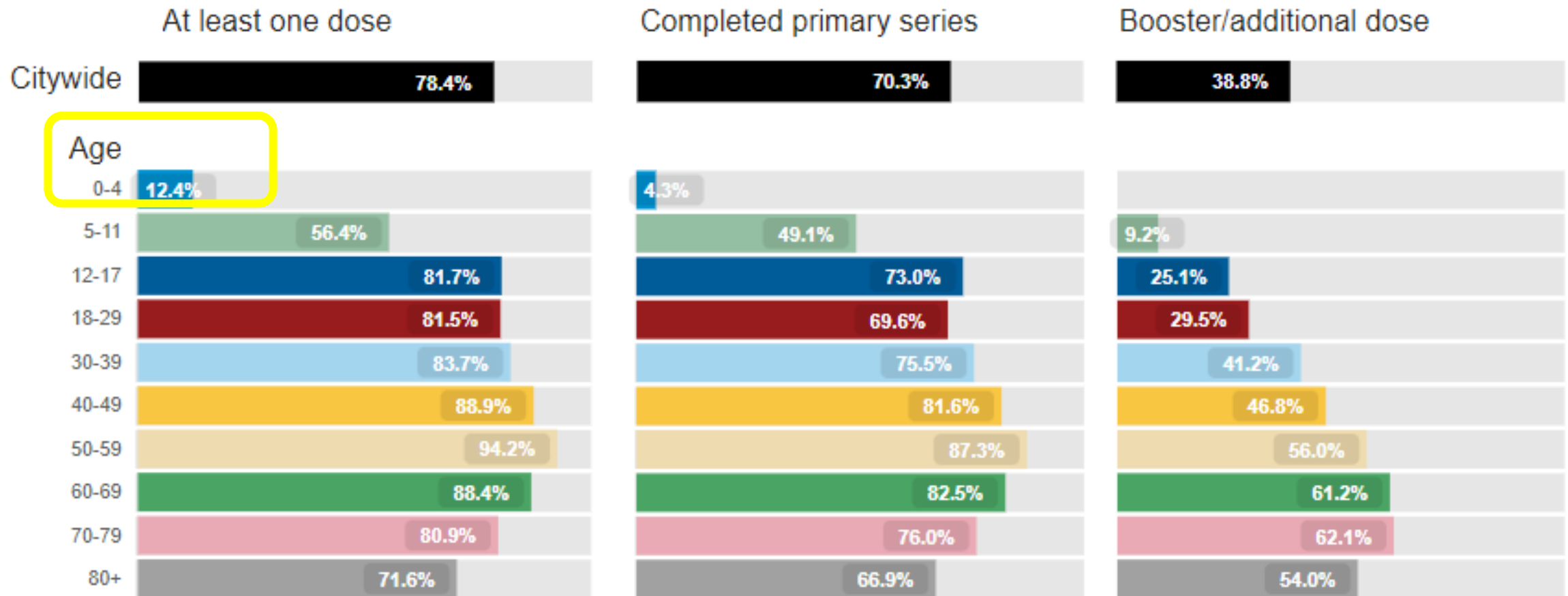


# SARS-CoV-2 Variant Proportions applied to CDPH epi curve



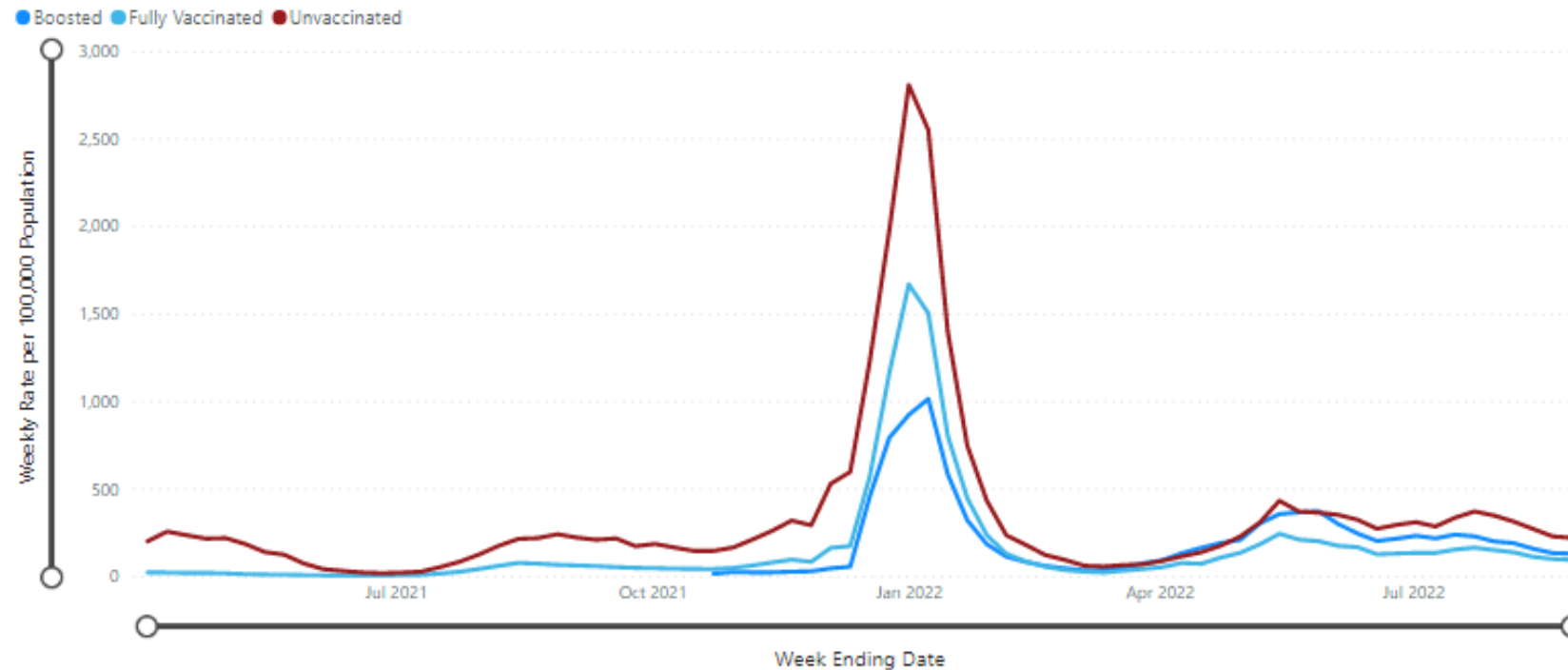
# Chicago: COVID-19 Vaccine Coverage

12.4% (roughly 20,000) of Chicagoans under 5 have received one dose of COVID vaccine. Compares to about 5% nationally.



Since the Omicron variant became dominant in Chicago, age-adjusted infection rates were **1.5X higher** in **unvaccinated** individuals compared to those who were **vaccinated**

Weekly Rate of COVID-19 Cases by Vaccination Status



Since the Omicron variant became dominant in Chicago, unvaccinated people had a

**1.5X**

higher risk of testing positive for COVID-19 compared to fully vaccinated people

Since the Omicron variant became dominant in Chicago, unvaccinated people had a

**1.8X**

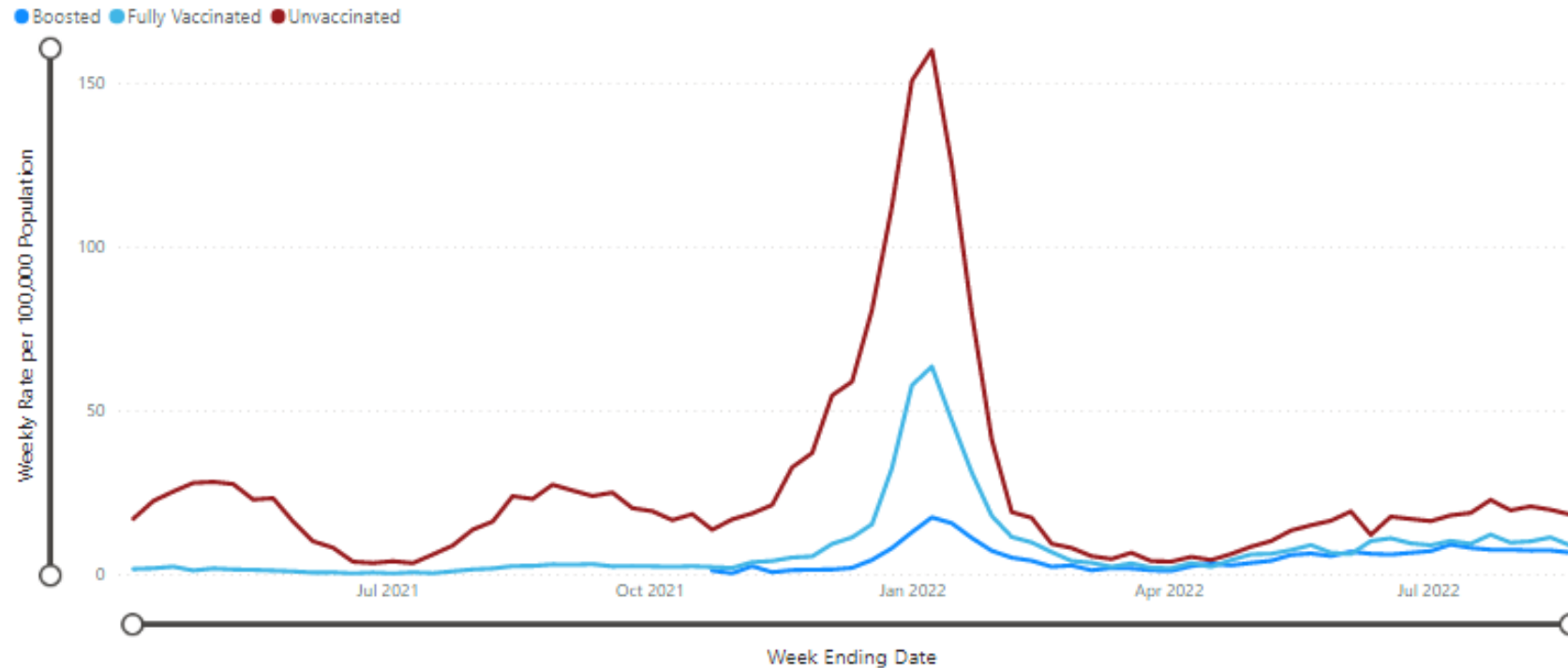
higher risk of testing positive for COVID-19 compared to people who were boosted

**Notes:**

Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of specimen collection 3/28/2021-8/27/2022, pulled 9/7/2022. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry. Fully vaccinated defined as completion of vaccine series at least 14 days prior to a positive test (with no other positive tests in the previous 45 days). Boosted defined as fully vaccinated with an additional or booster dose of any COVID-19 vaccine received at least 14 days prior to positive test. Rate for vaccinated calculated as total cases divided by cumulative vaccinated at the end of each week, multiplied by 100,000. Rate for unvaccinated calculated as total cases divided by total population minus cumulative vaccinated at the end of each week, multiplied by 100,000. Data are graphed starting the week CDC expanded booster dose eligibility and recommendations.

Since the Omicron variant became dominant in Chicago, age-adjusted hospitalization rates were almost **3X higher** in **unvaccinated** individuals compared to those who received a **booster**

Weekly Rate of COVID-19 Hospitalizations by Vaccination Status



Since the Omicron variant became dominant in Chicago, unvaccinated people had a

**2.1X**

higher risk of being hospitalized with COVID-19 compared to fully vaccinated people

Since the Omicron variant became dominant in Chicago, unvaccinated people had a

**2.8X**

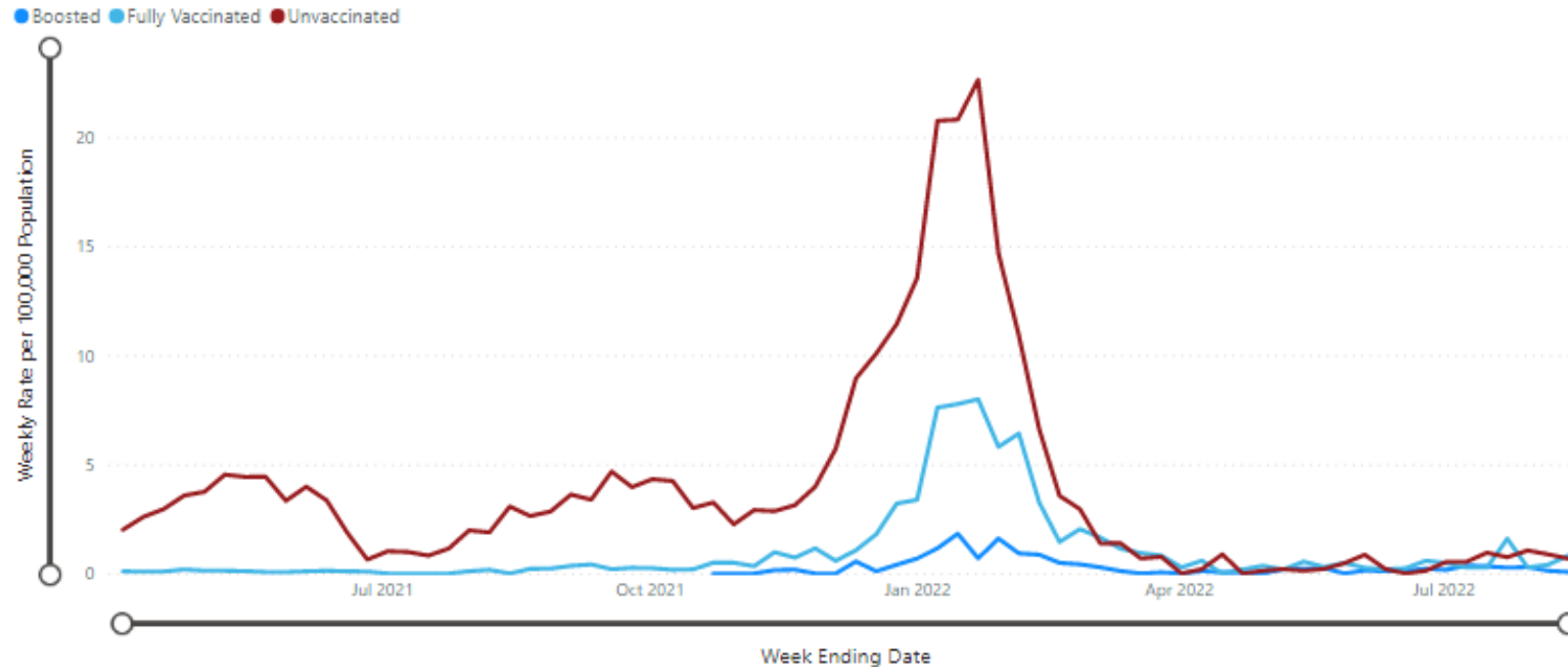
higher risk of being hospitalized with COVID-19 compared to people who were boosted

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Since the Omicron variant became dominant in Chicago, age-adjusted mortality rates among **unvaccinated** Chicago residents were almost **6X** higher than those among people who received a **booster**

Weekly Rate of COVID-19 Deaths by Vaccination Status



Since the Omicron variant became dominant in Chicago, unvaccinated people had a

**2.5X**

higher risk of dying from COVID-19 compared to fully vaccinated people

Since the Omicron variant became dominant in Chicago, unvaccinated people had a

**5.9X**

higher risk of dying from COVID-19 compared to people who were boosted

**Notes:**

Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of specimen collection 3/28/2021-8/27/2022, pulled 9/7/2022. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry. Fully vaccinated defined as completion of vaccine series at least 14 days prior to a positive test (with no other positive tests in the previous 45 days). Boosted defined as fully vaccinated with an additional or booster dose of any COVID-19 vaccine received at least 14 days prior to positive test. Rate for vaccinated calculated as total cases divided by cumulative vaccinated at the end of each week, multiplied by 100,000. Rate for unvaccinated calculated as total cases divided by total population minus cumulative vaccinated at the end of each week, multiplied by 100,000. Data are graphed starting the week CDC expanded booster dose eligibility and recommendations.



THEY ARE  
HERE! FIND YOUR VACCINE AT:  
**CHI.GOV/COVIDVAX**

# UPDATED COVID-19 VACCINES



THESE NEW “BIVALENT BOOSTERS” ARE TARGETED  
SPECIFICALLY TOWARD THE OMICRON SUB VARIANTS.





THE  
**COMBO**  
YOU **DON'T**  
WANT

GET BOTH  
VACCINES.  
**CHI.GOV/FLU**



# This Saturday: September 17, 9am-2pm

Updated vaccine/bivalent boosters will be available!

**Truman College**  
1145 W. Wilson Ave.

**Malcolm X College**  
1900 W. Jackson Blvd.

**GET \$50\* for 1<sup>st</sup>, 2<sup>nd</sup> & booster doses!**

\*All Chicagoans 5 years and older are eligible to receive one \$50 gift card for each 1st, 2nd, booster (ages 5-11), and bivalent booster doses. Incentives provided while supplies last. Patients must verify they have not received more than \$100 in COVID-19 incentive to qualify. Gift cards will be delivered by mail, not at the time of the appointment.

**Type of Vaccine:** Flu shots, Moderna 6 months through 5 years,  
Moderna primary series 18+, Pfizer 6+, Pfizer bivalent boosters



## **WALK-INS WELCOME!**





**UPDATED  
VACCINES ARE HERE!**

**GET YOURS AT  
HOME!**

**ANYONE AGE 6 MONTHS AND UP  
CAN GET A COVID-19 VACCINE  
OR BOOSTER AT HOME!**

- Moderna (age 6 months through 5 years) and Pfizer (age 6 months and older) will be offered
- Pfizer booster doses for 5-11 year-olds and updated-Pfizer bivalent boosters for eligible Chicagoans age 12 and up are available
- Up to 10 people can get vaccinated at the same time.
- Appointment Hours:  
Saturday-Tuesday, 8:00 am to 6:30 pm

**THROUGH SEPTEMBER 30, 2022  
\$50 GIFT CARDS WILL  
BE OFFERED FOR:**

- Any Chicagoan age 5+ for booster doses—regardless of zip code
- Chicago residents of certain zip codes for each dose of primary vaccine administered

**ELIGIBLE CHICAGO ZIP CODES:**

60608, 60612, 60617, 60619, 60620,  
60621, 60624, 60628, 60633, 60636  
60637, 60644, 60649, 60651, 60653,  
60707, 60827



Need a vaccine or a booster?  
Have questions?

visit

**CHI.GOV/COVIDVAX**

or call

**312-746-4835**





# Wastewater monitoring



# Where to find more information

## **CDC website**

<https://covid.cdc.gov/covid-data-tracker/#wastewater-surveillance>

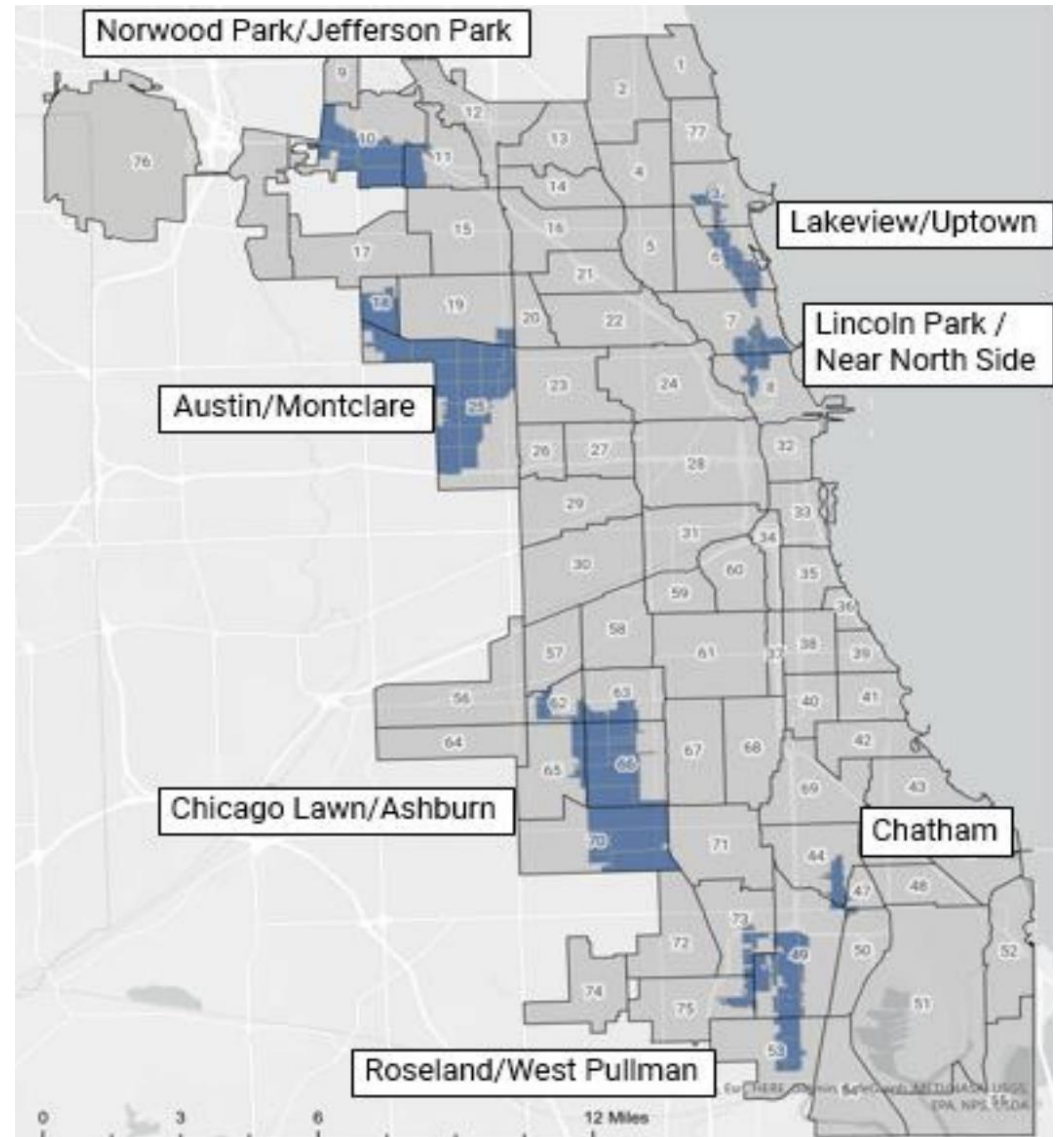
## **CDPH website**

<https://www.chicago.gov/city/en/sites/covid-19/home/covid-19-wastewater-surveillance.html>

# ★ Where we sample currently

Sewersheds

~700,000 people



# Where we sample currently

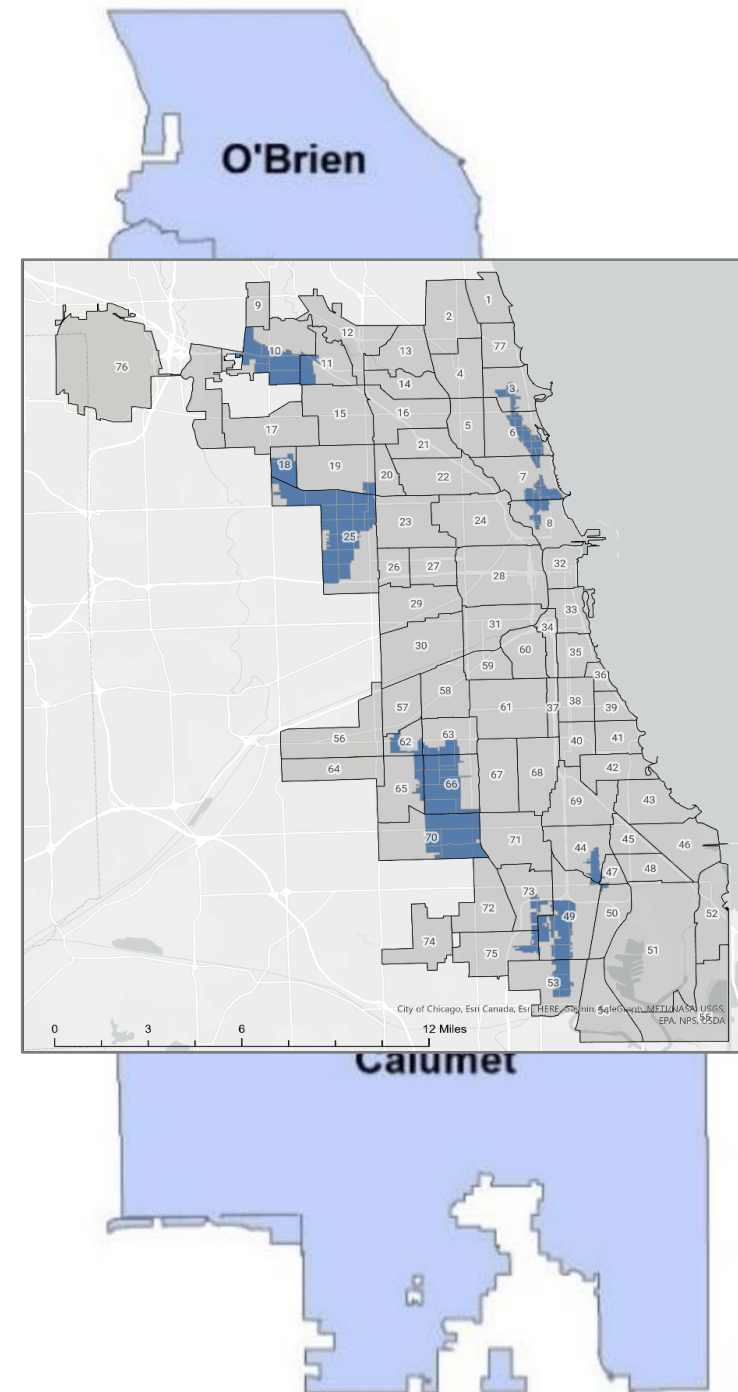
Wastewater treatment plants

~4 million people



# Where we sample currently

Wastewater treatment plants  
with sewersheds for scale

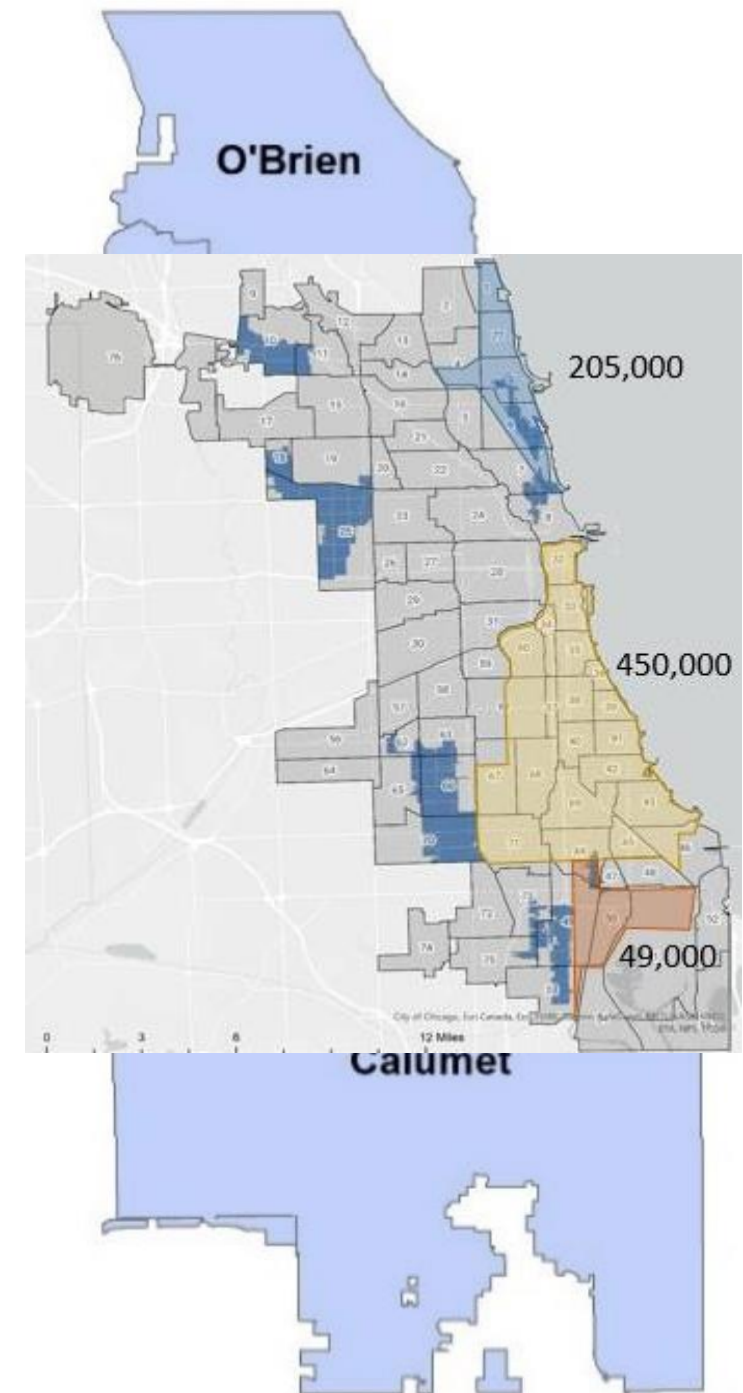




# Where we hope to sample

Wastewater treatment plants  
with sewersheds and pumping  
stations for scale

~1.2 million people



# ★ Interpreting trends over time

