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.
Chicago’s HIV status-neutral work featured in recently released CDC issue brief

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

Has not historically reported monkeypox

Has historically reported monkeypox

Source: CDC, Data as of 9/12/2022
In the U.S., **21,985** Total Confirmed MPV Cases identified

As of 9/12
Illinois: **1,141**
Chicago: **940**

Source: CDC
Chicago Data: Chicago.gov/MPV
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

- 48% reduced number of sex partners
- 50% reduced one-time sexual encounters
- 50% reported reducing sex with partners met on dating apps or at sex venues

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

Good news: Ongoing decrease in new cases.
However, now seeing higher proportion of cases in Black Chicagoans.

Chicago.gov/monkeypox
Data as of 9/12/2022
### Demographics of Chicagoans diagnosed with MPV

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Count</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-17</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>18-24</td>
<td>59</td>
<td>6%</td>
</tr>
<tr>
<td>25-34</td>
<td>415</td>
<td>44%</td>
</tr>
<tr>
<td>35-44</td>
<td>286</td>
<td>30%</td>
</tr>
<tr>
<td>45-54</td>
<td>126</td>
<td>13%</td>
</tr>
<tr>
<td>55-64</td>
<td>51</td>
<td>5%</td>
</tr>
<tr>
<td>65+</td>
<td>3</td>
<td>0%</td>
</tr>
<tr>
<td>Unknown</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Count</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian, non-Latinx</td>
<td>29</td>
<td>3%</td>
</tr>
<tr>
<td>Black, non-Latinx</td>
<td>234</td>
<td>25%</td>
</tr>
<tr>
<td>Latinx</td>
<td>290</td>
<td>31%</td>
</tr>
<tr>
<td>White, non-Latinx</td>
<td>365</td>
<td>39%</td>
</tr>
<tr>
<td>Other, non-Latinx</td>
<td>9</td>
<td>1%</td>
</tr>
<tr>
<td>Unknown</td>
<td>13</td>
<td>1%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gender</th>
<th>Count</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Man</td>
<td>850</td>
<td>90%</td>
</tr>
<tr>
<td>Woman</td>
<td>5</td>
<td>1%</td>
</tr>
<tr>
<td>Transgender Man</td>
<td>4</td>
<td>0%</td>
</tr>
<tr>
<td>Transgender Woman</td>
<td>6</td>
<td>1%</td>
</tr>
<tr>
<td>Other</td>
<td>7</td>
<td>1%</td>
</tr>
<tr>
<td>Unknown</td>
<td>68</td>
<td>7%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sexual Orientation</th>
<th>Count</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gay/Lesbian</td>
<td>625</td>
<td>66%</td>
</tr>
<tr>
<td>Bisexual</td>
<td>52</td>
<td>6%</td>
</tr>
<tr>
<td>Straight/Heterosexual</td>
<td>32</td>
<td>3%</td>
</tr>
<tr>
<td>Other</td>
<td>10</td>
<td>1%</td>
</tr>
<tr>
<td>Unknown</td>
<td>221</td>
<td>24%</td>
</tr>
</tbody>
</table>

- **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.

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

Chicago.gov/monkeypox
Data as of 9/12/2022
Decreasing proportion of Black, non-Latinx Chicagoans among local MPV cases
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.

Data reported as of 9/12/2022. Demographic information is captured differently between cases and those vaccinated in I-CARE. Interpret comparisons with caution.
Doses of MPV (Monkeypox) Vaccine Administered to Chicagoans, by Week

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

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Received a 1st Dose</th>
<th>Received a 2nd Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-17 yrs</td>
<td>2 (0%)</td>
<td>(0%)</td>
</tr>
<tr>
<td>18-24 yrs</td>
<td>1,791 (7%)</td>
<td>304 (4%)</td>
</tr>
<tr>
<td>25-34 yrs</td>
<td>9,715 (39%)</td>
<td>2,841 (40%)</td>
</tr>
<tr>
<td>35-44 yrs</td>
<td>6,347 (26%)</td>
<td>2,108 (29%)</td>
</tr>
<tr>
<td>45-54 yrs</td>
<td>3,468 (14%)</td>
<td>1,039 (14%)</td>
</tr>
<tr>
<td>55-64 yrs</td>
<td>2,619 (11%)</td>
<td>713 (10%)</td>
</tr>
<tr>
<td>65+ yrs</td>
<td>829 (3%)</td>
<td>185 (3%)</td>
</tr>
<tr>
<td>Unknown</td>
<td>25 (0%)</td>
<td>1 (0%)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Count (%)</th>
<th>Count (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian, non-Latinx</td>
<td>1,421 (6%)</td>
<td>397 (6%)</td>
</tr>
<tr>
<td>Black, non-Latinx</td>
<td>3,232 (13%)</td>
<td>831 (12%)</td>
</tr>
<tr>
<td>Latinx</td>
<td>4,409 (18%)</td>
<td>1,101 (15%)</td>
</tr>
<tr>
<td>White, non-Latinx</td>
<td>12,581 (51%)</td>
<td>4,147 (58%)</td>
</tr>
<tr>
<td>Other, non-Latinx</td>
<td>1,714 (7%)</td>
<td>404 (6%)</td>
</tr>
<tr>
<td>Unknown</td>
<td>1,439 (6%)</td>
<td>311 (4%)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sex</th>
<th>Count (%)</th>
<th>Count (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>22,803 (92%)</td>
<td>6,884 (96%)</td>
</tr>
<tr>
<td>Female</td>
<td>1,375 (6%)</td>
<td>163 (2%)</td>
</tr>
<tr>
<td>Other</td>
<td>56 (0%)</td>
<td>9 (0%)</td>
</tr>
<tr>
<td>Unknown</td>
<td>562 (2%)</td>
<td>135 (2%)</td>
</tr>
</tbody>
</table>

| Total | 24,796 (100%) | 7,191 (100%) |
Excellent match on race/ethnicity of MPV cases and Chicagoans who received TREATMENT (TPOXX) for MPV (As of 9/12/2022)

All Cases

Received TPOXX
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!

FIND A VAX AT chicago.gov/MPV
ANNOUNCEMENT!

MPV VACCINATIONS AVAILABLE 6 DAYS A WEEK AT THREE CDPH STI SPECIALTY CLINICS

BY APPOINTMENT ONLY!

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

ELIGIBILITY REQUIREMENTS AT:

CHICAGO.GOV/MPV
HAVE QUESTIONS ABOUT MONKEYPOX?

visit
CHICAGO.GOV/MONKEYPOX

or call
312-746-4835

HIV/STI Resource Hub: 844-482-4040
COVID Update

September 13, 2022
Average daily COVID-19 cases per 100,000 population

Presented by the New York Times 9/7/2022; Sources: Local governments; The Center for Systems Science and Engineering at Johns Hopkins University; National Health Commission of the People’s Republic of China; World Health Organization.

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

94.7 Million Cumulative Cases
1.04 Million Cumulative Deaths

Vaccinations

<table>
<thead>
<tr>
<th>Fully Vaccinated</th>
<th>With a Booster</th>
</tr>
</thead>
<tbody>
<tr>
<td>All ages</td>
<td>67%</td>
</tr>
<tr>
<td>65 and up</td>
<td>92%</td>
</tr>
</tbody>
</table>

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

Presented by the New York Times 9/7/2022; Sources: Local governments; The Center for Systems Science and Engineering at Johns Hopkins University
COVID: In last week’s CDC update, 57% of U.S. Counties reported High or Medium COVID Community Level (68% one week ago).

*CDC updates this map on Thursday evenings.

https://covid.cdc.gov/covid-data-tracker/#county-view?list_select_state=all_states&list_select_county=all_counties&data-type=
Our local risk based on CDC COVID-19 Community Levels is: **Medium**

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

*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.*

*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%)

Collection date, week ending

https://covid.cdc.gov/covid-data-tracker/#circulatingVariants
SARS-CoV-2 Variant Surveillance, United States

United States: 9/4/2022 – 9/10/2022 NOWCAST

BA.2 (1.0%)
BA.2.12 (0.1%)
BA.4 (2.2%)
BA.4.6 (9.2%)
BA.5 (87.5%)

https://covid.cdc.gov/covid-data-tracker/#circulatingVariants
Variant Emergence in Chicago

The graph shows the proportion of Delta, BA.1, BA.2, BA.2.12.1, BA.4/5, and BA.4.6 variants over time since the first week where >1% prevalence was detected. The x-axis represents the week since the first >1% prevalence, and the y-axis represents the variant proportion. The graph indicates the rapid emergence and dominance of these variants in the early weeks, with Delta showing a steady increase and other variants following varying trajectories.
SARS-CoV-2 Variant Proportions applied to CDPH epi curve

Cases

MMWR Week

2022

Other
B.1.617.2
B.1.1.529
BA.2
BA.2.12.1
BA.4
BA.4.6
BA.5
P.1
B.1.1.7
B.1.351
B.1.621

34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33* 34*
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.

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.

---

**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 mortality rates among unvaccinated Chicago residents were almost 6X higher than those among people who received a booster.

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.
Updated COVID-19 Vaccines

These new “bivalent boosters” are targeted specifically toward the Omicron sub variants.

Chicago.gov/boost
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 1st, 2nd & 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!
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

TO SCHEDULE YOUR HOME VACCINATION, VISIT CHICAGO.GOV/ATHOME OR CALL 312-746-4835.
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
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