

Ask Dr. Arwady

April 4, 2023

Guest: Dr. Irina Tabidze



#AskDrArwady



On Facebook/Twitter Live @ChiPublicHealth



Allison Arwady, M.D. Commissioner, CDPH



Irina Tabidze, M.D., MPH
Director of Program Operations



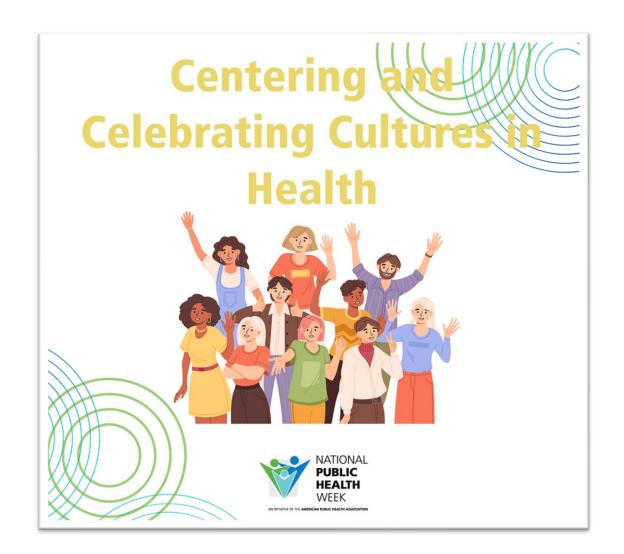
Tuesday at 11am | Live

CDPH Director of Program Operations Dr. Irina Tabidze joins Dr. Arwady to discuss the work of the department's Syndemic Infectious Diseases bureau and specifically the latest trends in sexually transmitted infections in Chicago.



It's National Public Health Week! April 3-9, 2023

- 2023 theme is "Centering and Celebrating Cultures in Health"
- One goal is to look at how our cultural connections and intersections affect our health, well-being and the public health system that cares for us.
- As we adjust to new social norms, we're focusing not just on what we can do as individuals, but what we can do as communities to protect, prioritize and influence the future of public health.
- Keep an eye on CDPH social media to see how we're celebrating National Public Health Week! @ChiPublicHealth



Remembering Volanda Travis



- Yolanda Travis was the first McDonald's franchise owner to approach CDPH during our COVID vaccination efforts in the summer of 2021 about hosting vax events at her 3 locations on the South side
- Her diligence in providing vaccination access to the community led to her being featured in an ABC news report and on NIGHTLINE.

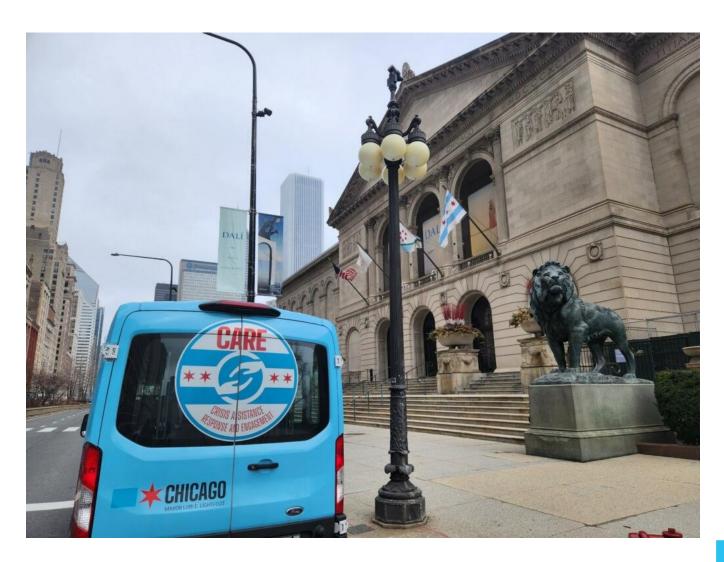
- "A lot of people don't like to leave the community, so I said, how can I make this available to people within my community around my restaurants?" Travis explained. (ABC 7, August 19, 2021)
- CDPH's COVID Response, Outreach, and Canvassing teams all worked with Ms. Travis's team. Her efforts resulted in other franchise owners following suit, hosting vaccination events on the South and West sides of Chicago, with 100+ residents receiving vaccinations.
- We honor her memory and her example.





In case you missed it: The CARE program has expanded downtown!

- As the CARE team continues to expand its response models and operating locations, look for our blue van out in the Loop
- Chicago's Crisis Assistance
 Response and Engagement
 (CARE) team seeks to ensure
 that individuals experiencing a
 mental health crisis are
 assisted by teams of behavioral
 health professionals, with
 resources to address their
 unmet health and social needs
- Learn more at <u>chi.gov/CARE</u>

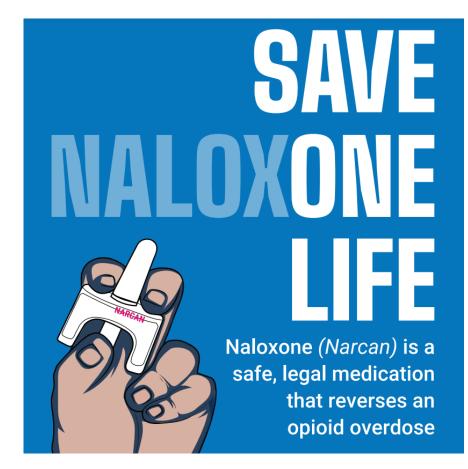


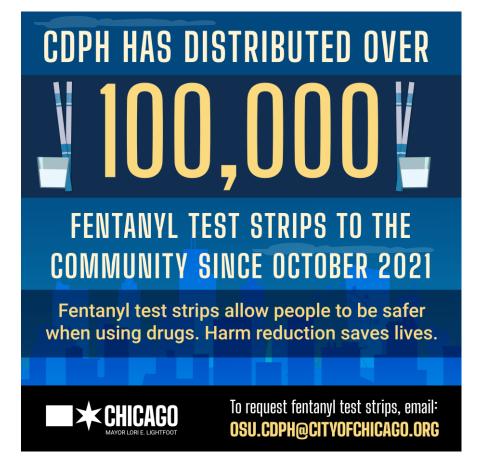


FDA approves first over-the-counter naloxone nasal spray.

CDPH has been active in distributing **Narcan and other harm reduction tools** including making Narcan available free of charge at all 81 Chicago Public Library branches.

To find free Narcan in Chicago, visit: bit.ly/FindNarcan







Internationally: Marburg virus disease (MVD) outbreaks in two African countries--Equatorial Guinea and Tanzania

- Marburg is a serious and very contagious disease caused by the Marburg virus.
- The virus spreads when a person is in contact with the body fluids of someone who is sick with or has died from Marburg

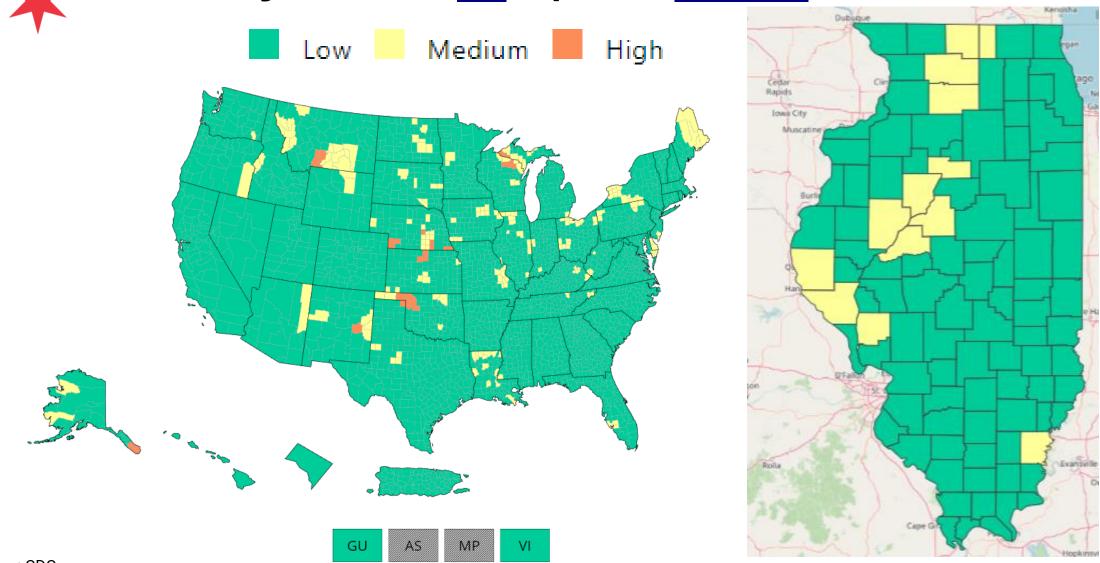
Country	Situation
Tanzania - Kagera Region	On March 21, 2023, Tanzania government officials declared the country's first-ever outbreak of Marburg disease in the northwest Kagera region.
Equatorial Guinea - Kie-Ntem; Litoral; Centre- Sur Provinces	On February 13, 2023, Equatorial Guinea government officials declared an outbreak of Marburg disease in the northeast province of the country.





- More concern for ground- and water-based travel than air travel.
- · Aggressive outbreak responses underway in both countries.
- No direct flights from either country to Chicago. Very few travelers to IL or Chicago. Very low concern in Chicago at this point.
- Nationally: average of just 143 travelers/day from Equatorial Guinea and Tanzania combined (most from Tanzania)
 - CDC is already messaging all returning travelers through their Text Illness Monitoring (TIM) system
 - Travelers' contact information is shared with local health department (e.g. CDPH)

Last week, less than 1% of U.S. Counties reported High COVID Community Level and 9% reported Medium Level.





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

Low

	New cases per 100,000 population (last 7 days) [Goal is <200]	New admissions per 100,000 population (last 7 days) [Goal is <10]	Percent of staffed inpatient beds occupied by COVID-19 patients (last 7 days) [Goal is <10%]
City of Chicago	57	2.7	2.4%
Cook County (including City of Chicago)	59	7.8	2.7%

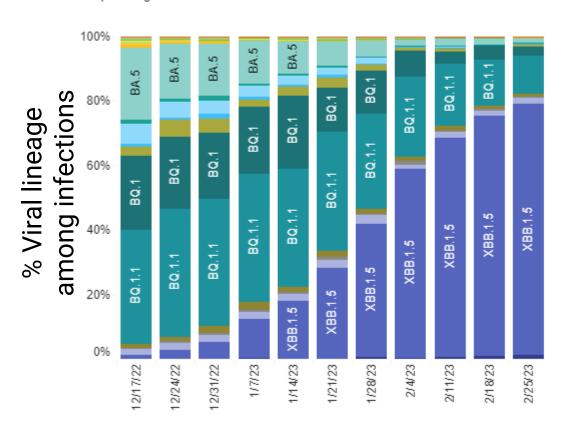
Chicago metrics are calculated based on Chicago-level data.

Cook County metrics are calculated by the CDC and posted on the <u>CDC Community Levels website</u>. Data current as of 3/29/2023.

Variant Surveillance, Midwest Region Weighted and Nowcast Estimates for Weeks of 12/17/22 – 3/18/23



Weighted Estimates: Variant proportions based on reported genomic sequencing results



variant proportions XBB.1.5 XBB.1.5 3/4/23 3/18/23

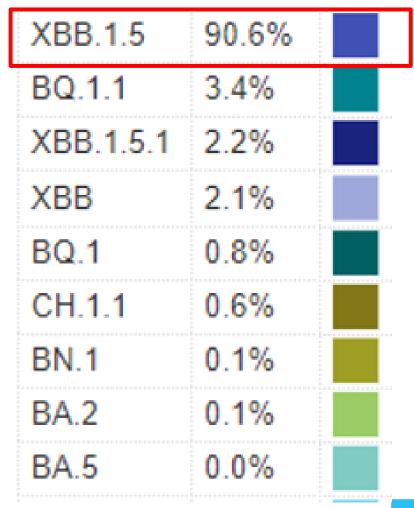
Nowcast:

projected

Model-based

estimates of

It's ALL Still OMICRON

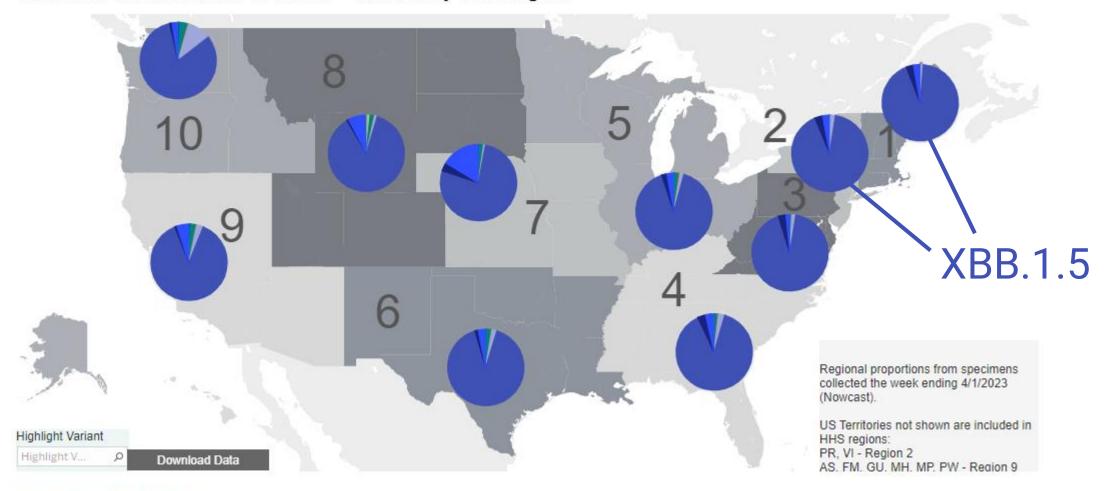


Collection date, week ending

Variant Surveillance, United States



Nowcast Estimates in for 3/26/2023 - 4/1/2023 by HHS Region



Source: CDC Data Tracker



Higher Updated Booster Coverage among Chicagoans than Nationwide Estimates. Over 596,000 doses have been administered to Chicagoans since authorization.

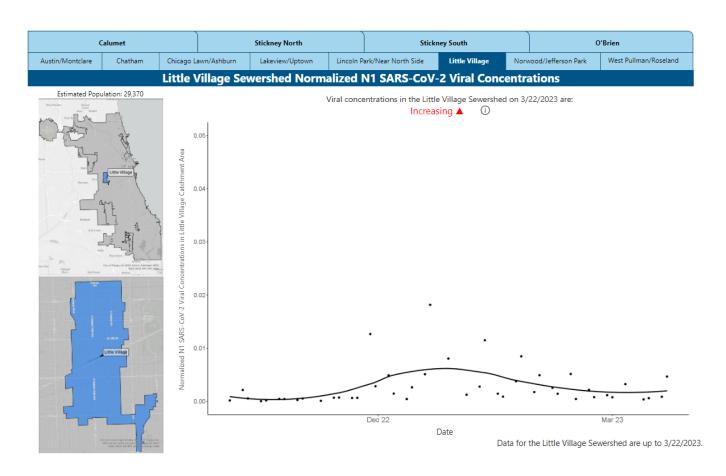
People with an Updated (Bivalent) Booster Dose	Percent of US Population	Percent of Chicago Population	
Population ≥ 5 years	17.5%	23.2%	
Population ≥ 12 years	18.9%	24.5%	
Population ≥ 18 years	20.0%	25.4%	
Population ≥ 65 years	42.1%	41.5%	

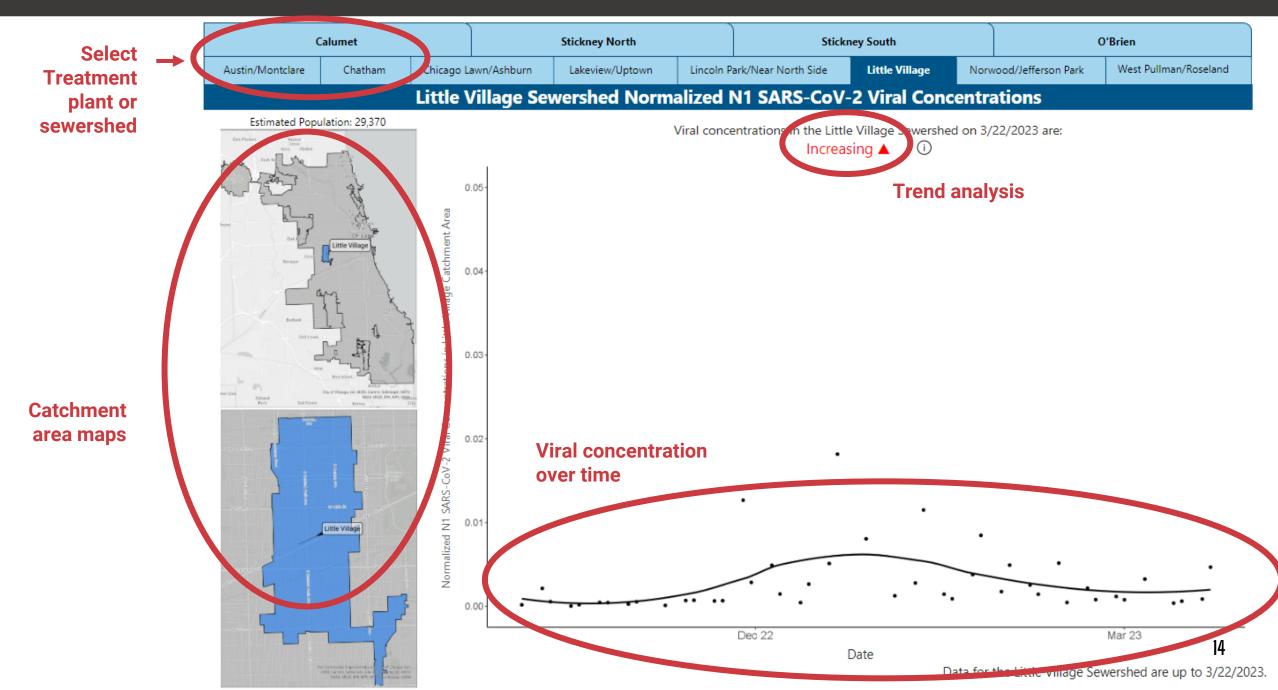
In case you missed it:



COVID Wastewater Dashboard now LIVE. Link at chi.gov/coviddash

- The Dashboard includes
 - City catchment areas
 - viral concentration levels
 - assessment if current trends are decreasing, stable, or increasing.
- Future iterations to come.
- Updated weekly to coincide with other COVID data updates





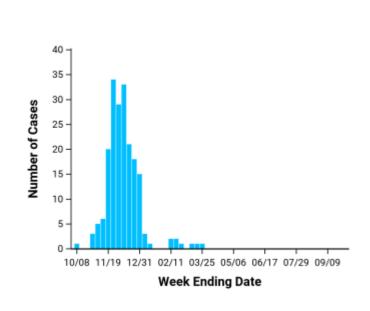
In case you missed it:



Weekly Respiratory Virus report linked at chi.gov/coviddash

- Influenza activity is LOW.
 - One new influenza ICU admission this week across Chicago.
 - <1% of tested specimens positive for influenza (9.2% at peak of season this year)
- RSV activity is LOW.
 - Percent of emergency department visits in children <5 years old due to RSV remains at <1%.
- Test positivity increased this week for parainfluenza (3.1%), rhinovirus/enterovirus (17.6%), adenovirus (4.8%), and human metapneumovirus (11.1%).

Influenza-Associated ICU Hospitalizations, Chicago



	Week Ending		Since	
	March 25, 2023		October 2, 2022	
Group	#	%	#	%
Citywide	1	100	197	100
Age				
0-4	0	0.0	25	12.7
5-17	0	0.0	29	14.7
18-24	0	0.0	5	2.5
25-49	0	0.0	24	12.2
50-64	1	100	45	22.8
65+	0	0.0	69	35.0
Gender				
Male	1	100	103	52.3
Female	0	0.0	94	47.7
Race-Ethnicity				
White Non-Latinx	0	0.0	30	15.2
Black Non-Latinx	1	100	108	54.8
Latinx	0	0.0	54	27.4
Asian Non-Latinx	0	0.0	1	0.5
Other Non-Latinx	0	0.0	0	0.0
Unknown-Race	0	0.0	4	2.0



TAKE ACTION IF YOU TEST POSITIVE FOR COVID-19











DAY 1-5

Stay home:

 Everyone - regardless of vaccination status - should stay home and away from others (isolate).

People at high risk for severe illness: Talk to your doctor about treatment

DAY 6 OR LATER

End isolation:

 If you never had symptoms OR symptoms are improving and are fever-free for 24 hours.

DAY 6-10

Wear a mask:

- If you take 2 antigen tests 48 hours apart and both are negative, you may remove your mask sooner
- Avoid people at high risk of getting very sick





VAX & PAX lovid



If you're at high risk for severe illness, vaccines are your best protection against COVID-19. But if you do test positive, TREATMENTS ARE AVAILABLE.

PAXLOVID, for example, is an oral antiviral therapy for the treatment of mild to moderate COVID-19.





Individuals ages 12 and up who are at high risk of developing severe illness, are eligible.

Ask a healthcare provider if medications to treat COVID-19 are right for you.





Continues to operate Saturday, Sunday and Monday, 8am-6:30pm

GET YOUR UPDATED In-home vaccination is available to all Chicago households at no cost. Up to 10 people can be

vaccinated, so invite your family, friends, or neighbors to get vaccinated together.



TO REGISTER FOR AN APPOINTMENT CALL 312.746.4835 OR VISIT OR CHICAGO.GOV/ATHOME



Illinois Medicaid re-enrollment requirements return with the end of federal public health emergency

- During the federal public health emergency, families receiving Medicaid across the U.S.
 were automatically re-enrolled in the program without needing to re-submit paperwork.
- But now that the public health emergency is ending, families across the U.S. will again need to renew their Medicaid benefits starting, this year.
 - The Medicaid continuous enrollment condition ended March 31, 2023.
 - The State of Illinois will mail out renewal forms starting in May 2023.
 - NOTE: that date is only for people whose coverage is due to be redetermined by June 1 (Everyone's redetermination date is different)
 - Medicaid enrollees will receive a notice in the mail about a month before the due date for the notice.
- If your family currently receives Medicaid benefits, make sure your contact information in the state's database is up-to-date so you can receive your renewal form.



GOT MEDICAID? GET READY TO RENEW! Gick Manage obe.illinois



HFS 915IES (N-4-15)

Department of Human Services
Department of Healthcare and Family Services
PO Box 19138
Springfield II. 62789

IMPORTANT INFORMATION, OPEN IMMEDIATELY.

Medicaid Customer 1234 Somewhere Street Somewhere, Illinois 12345

IMPORTANT INFORMATION ABOUT YOUR COVERAGE

INFORMACIÓN IMPORTANTE SOBRE SU COBERTURA WAŻNA INFORMACIA O GWARANCII BAЖНАЯ ИНФОРМАЦИЯ О BALLIEM OCBELLEHИЯ 關於你的報導的重要信息

Illinois is checking to see if you are still eligible for Medicaid.

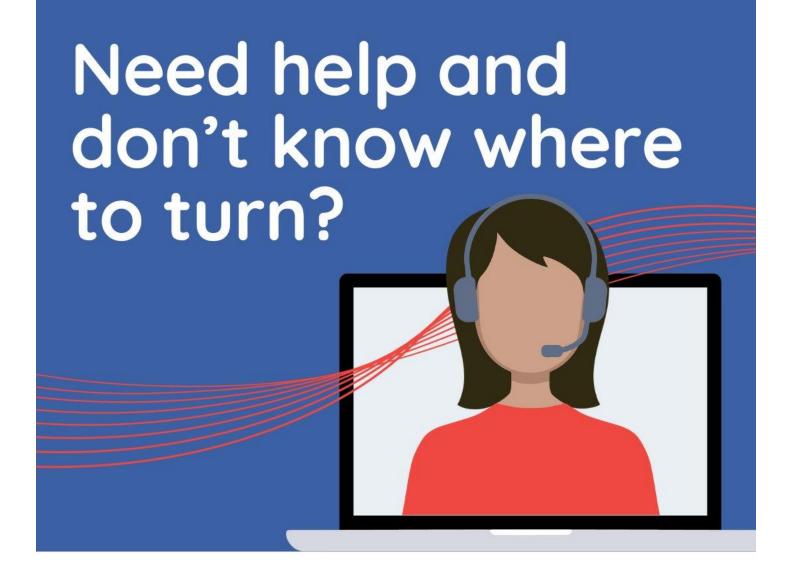
Get ready to renew!



- 1. Make sure the address and contact info on file for you is correct:
 - Visit<u>abe.illinois.gov</u>
 - Click "Manage My Case" to log in to your account
 - Verify your mailing address under "Contact Us"
 - Look up your due date under 'Benefit Details' so you know when to expect the notice letter
 - OR You can call 877-805-5312 for free on weekdays from 7:45am to 4:30pm make sure your address is right
- 2. Renew your health insurance when it's time
 - Complete your renewal (aka redetermination) by watching your mail and completing your renewal form right away when it comes
 - If you do not respond, you could lose your health insurance, even if you are still eligible for coverage

CPS Families: If you have any questions, we strongly encourage you to call the Healthy CPS Hotline at 773-553-KIDS (5437) or visit cps.edu/medicaid









Need a vaccine or a booster? Have questions?

visit

CHI.GOV/COVIDVAX

or call

312-746-4835









Chicago Mpox (Monkeypox) Case Summary



Data last updated 4/3/2023. Counts include cases with specimen collections through 3/29/2023 to account for reporting lags.

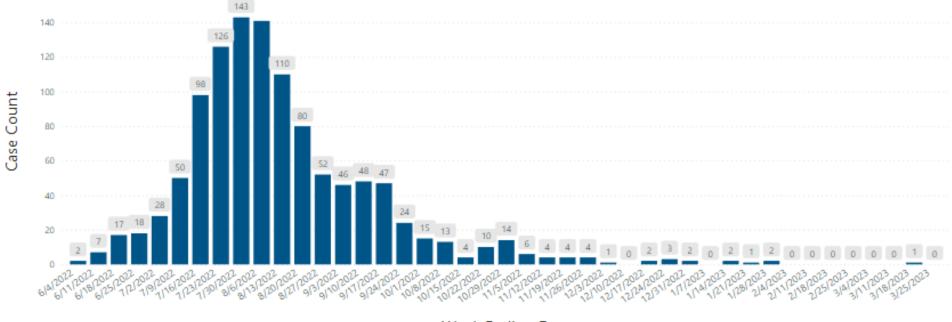
Data are updated on Monday at 2:00p.m., except for City holidays when data will be updated on Tuesday. All data are provisional and subject to change.

Cumulative Cases
1,125

Cumulative Hospitalizations 76

Cumulative Deaths

Mpox (Monkeypox) Cases Diagnosed in Chicago Residents, by Week



Week Ending Date

*Data represented in the gray-colored bar are not yet complete.

Chicago Mpox (Monkeypox) Vaccination Summary

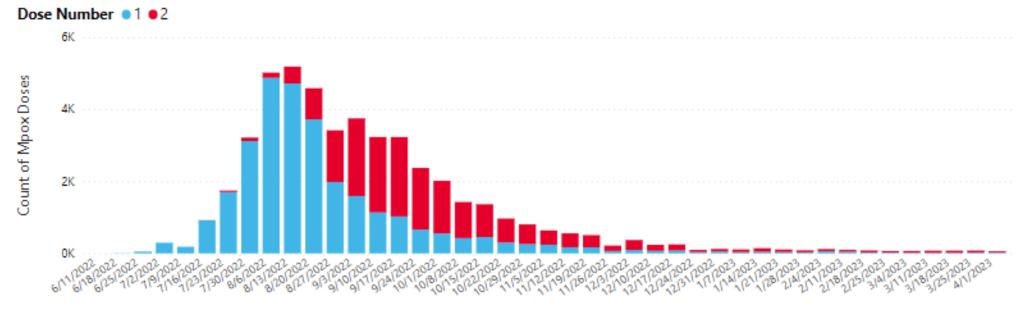


Data last updated: 4/3/2023. Counts include doses administered through 4/1/2023.

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 chang...

Cumulative Doses	Cumulative First Doses	Cumulative Second Doses
47,937	29,383	18,554

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

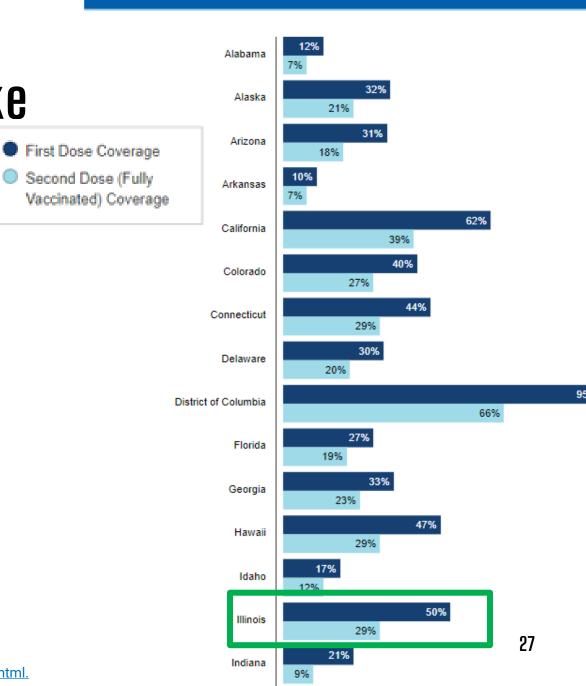


Administration Week End Date



Estimated Mpox vaccine uptake

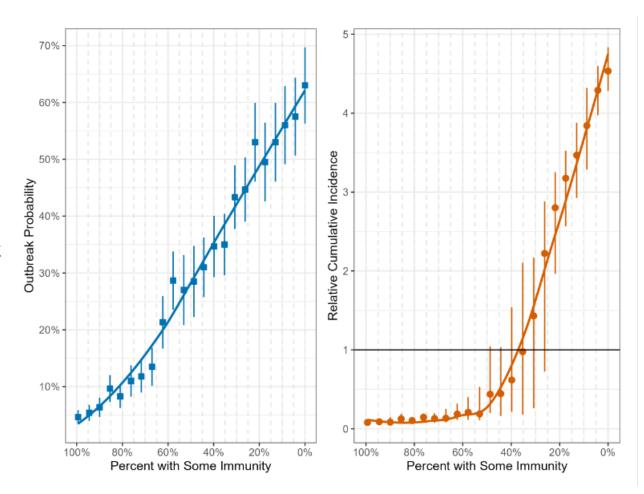
- CDC estimates that **half (50%)** of the people living in <u>Illinois</u> who should get the MPOX vaccine have received at least one dose.
 - In <u>Chicago</u>, estimates of first-dose coverage range from **48% to 69%**.
- CDC estimates that 29% of the people living in Illinois who should get the MPOX vaccine have received both recommended doses.
 - In <u>Chicago</u>, estimates of two-dose (full) coverage range from 31% to 45%.





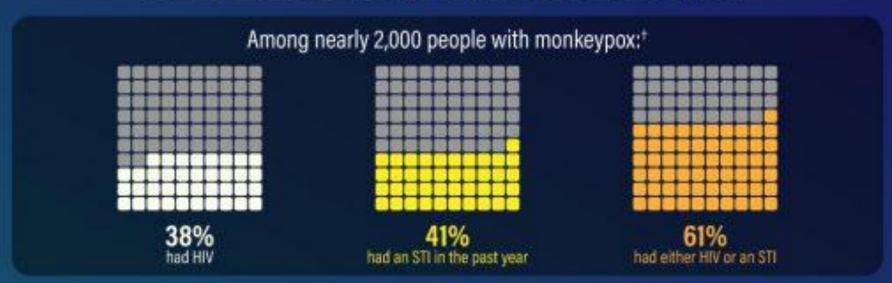
Modeling: Probability and predicted size of mpox outbreaks

- In places with high vaccination coverage (>75% with at least one dose), the modeled risk of a renewed mpox outbreak is 5%-12% each year over the next five years.
 - Outbreaks anticipated to be small, averaging <15% of the 2022 outbreak size.
- In places with low vaccination coverage (<35% with at least one dose), resurgent outbreaks are more likely.
 - Outbreaks could be as large or larger than the 2022 outbreak if no additional vaccination or sexual behavior adaptations take place.
- Important to continue to vaccinate people most likely to vaccinate people most likely to be exposed to Mpox
 - Includes gay, bisexual, and other same-gender loving men who have had more than one sexual partner in the last six months, among other identified risk groups.





In the U.S., HIV or recent sexually transmitted infections (STIs)* are common among people with monkeypox



It is important to

Prioritize people with HIV and STIs for monkeypox vaccination Offer HIV and STI screening for people evaluated for monkeypox



*Diagnosed with an STI other than HIV in the past year

*People diagnosed with monkeypox in eight jurisdictions during May 17-July 22, 2022

bit.ly/mm7136a1

MMWR

SEXUALLY ACTIVE?

SONORRHEA?

CHLAMYDIA?

SEXUALLY ACTIVE?

KNOW THE FACTS

■ ★ CDPH

STI

CDPH

CHOOSE A CAMPAIGN • PLAN ACTIVITIES THEAD

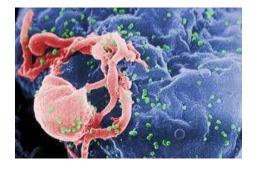
APRIL 9 -15, 2023

SYPHILIS?

Syndemic Approach



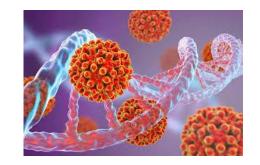
HIV



Syphilis



Viral Hepatitis

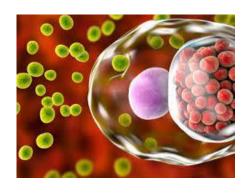


Tuberculosis





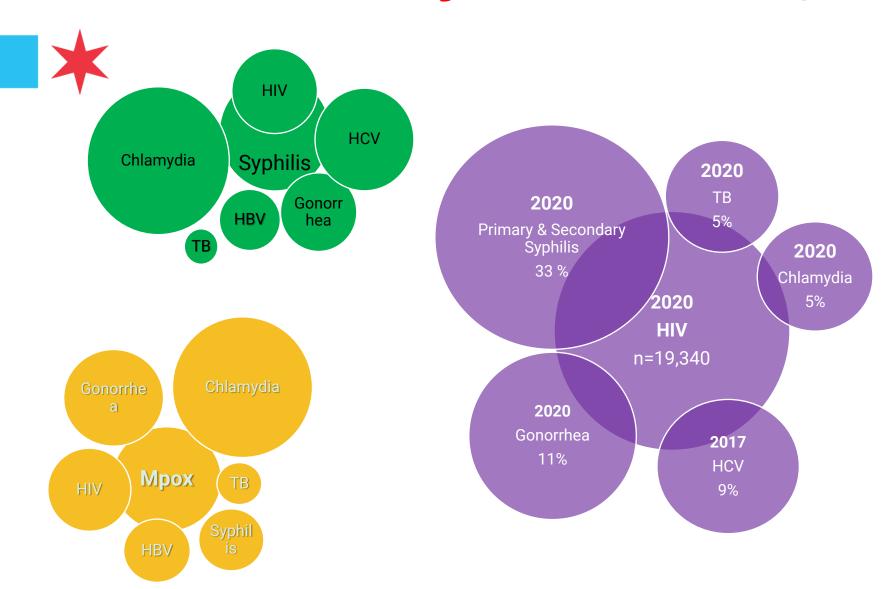
Gonnorhea

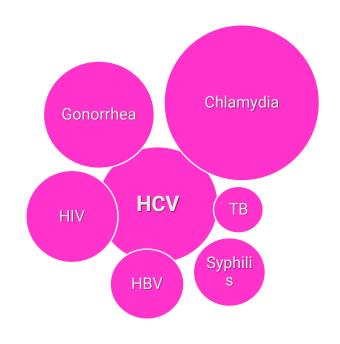


Chlamydia

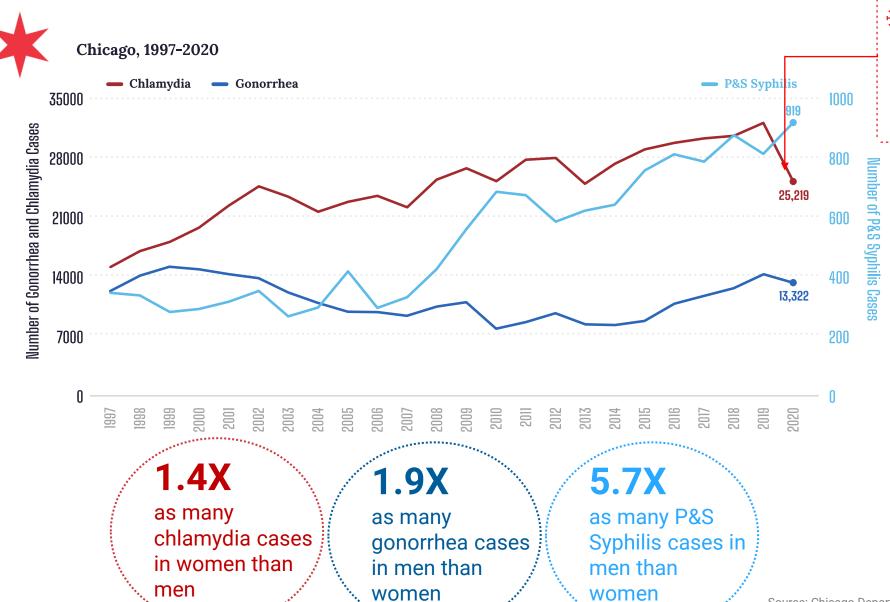
A syndemic is a combination of two or more overlapping epidemics connected through behavior, biology, and social conditions, resulting in an enhanced health burden across a population.

Syndemics in Chicago





Number of Reported STIs





Decreases in the number of reported Chlamydia cases in 2020 are unlikely due to a reduction in a new infections. During the COVID-19 pandemic, many health care institutions, including CDPH STI Specialty Clinics, limited in-person visits to patients with symptoms or closed entirely.

2021 BY THE NUMBERS

27,404 Chlamydia cases

13,401 Gonorrhea cases

794 Primary and Secondary (P&S) Syphilis cases



Source: Chicago Department of Public Health. HIV+STI Data Report, 2020. Chicago, IL: City of Chicago; September 2022.

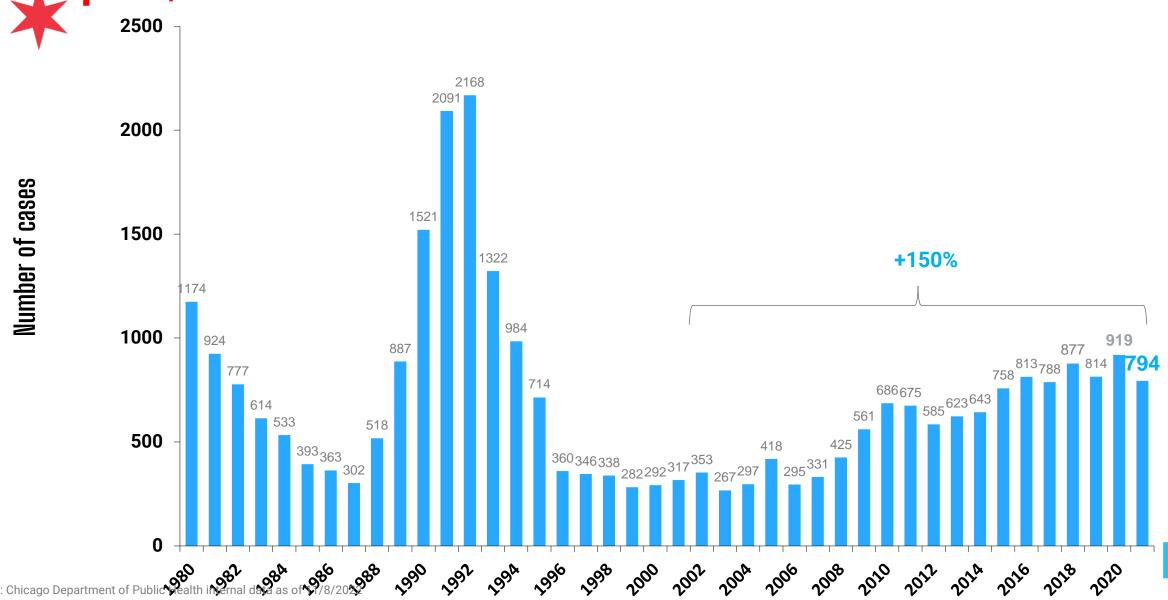
Syphilis



- Syphilis is a sexually transmitted disease caused by the bacterium Treponema pallidum.
- The manifestations of this infection vary and may present quite differently in each individual.
- Signs and symptoms of early syphilis can be difficult to detect
- Untreated syphilis then enters a latent phase with no symptoms
- Diagnosis is made by medical history, clinical exam, and two blood tests



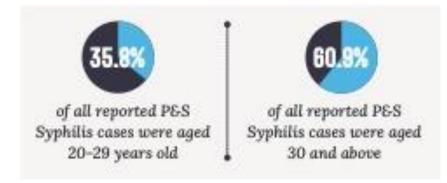
Primary & Secondary (P&S) Syphilis Cases by Year of Report, 1980-2021

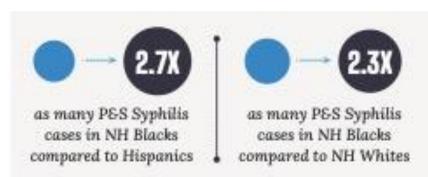


Primary & Secondary (P&S) Syphilis cases, Chicago, 2020

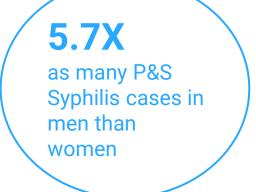






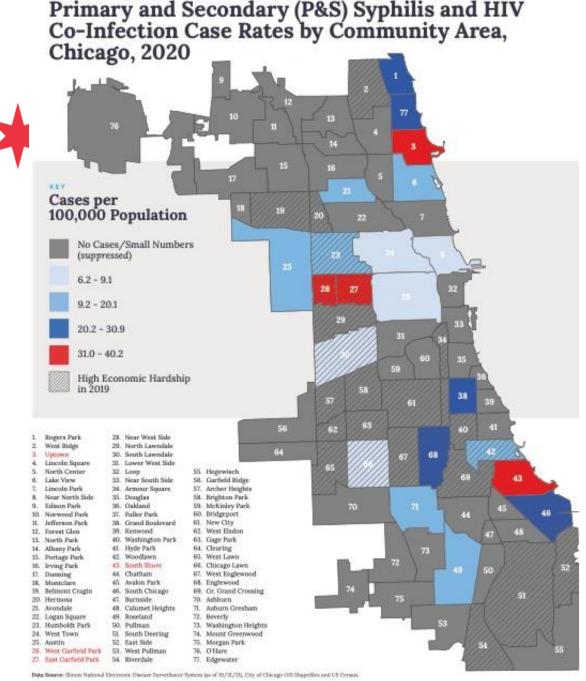


919 P&S syphilis cases in 2020





During 2019-2020, the number of reported P&S syphilis cases increased by 13% (from 814 to 919 cases).





Top three community areas with the **highest average P&S syphilis case rates**:

- West Garfield Park (122.2 per 100,000)
- Uptown (94.0 per 100,000)
- Edgewater (88.5 per 100,000)

Top three community areas with the **highest** number of new P&S syphilis cases:

- Uptown (n=53)
- Austin (n=50)
- Edgewater (n=50)

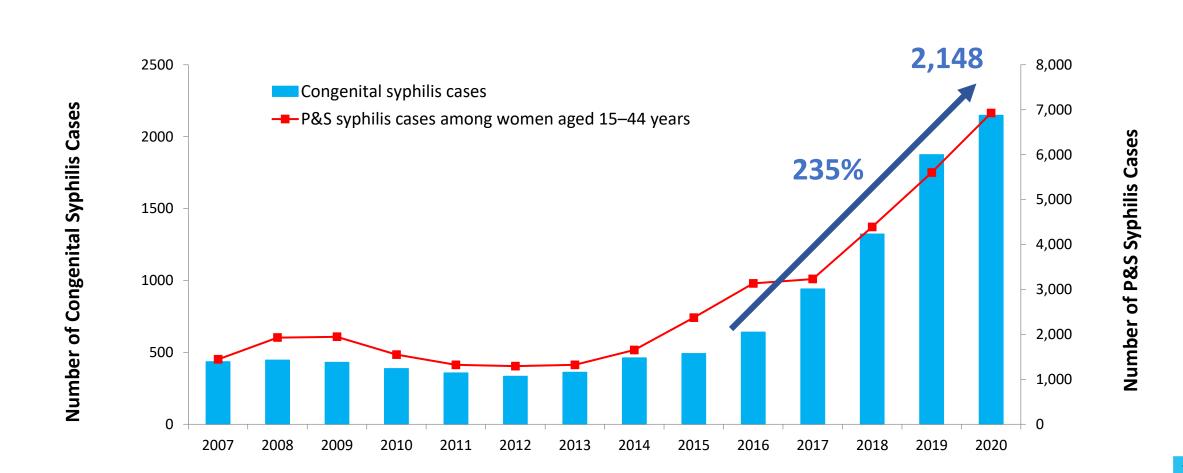
This map represents 37% (DAT/1383) of total Primary and Secondary Syphila and 55V on infection cases. The receivants hardship index without and type indicators to receive economic conditions of Chicago Community Areas, High hardship index source indicate wome economic conditions.

Syphilis Can Be Transmitted In Utero if left Untreated

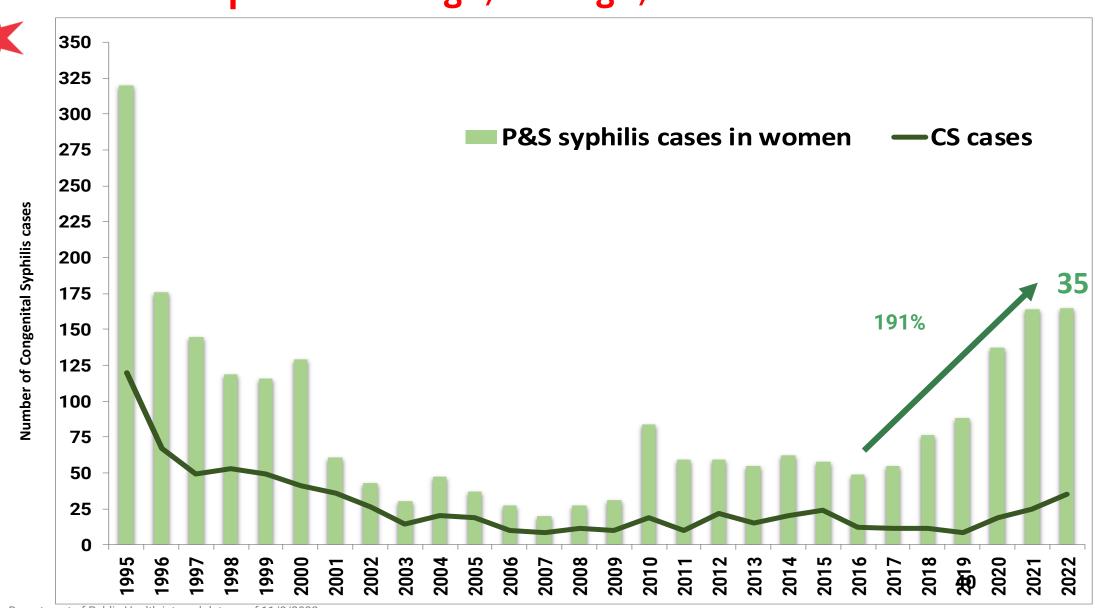
- An infected woman can transmit syphilis to her unborn fetus during pregnancy
 At any time during gestation and any stage of disease
- About half (50%) of untreated latent infections result in adverse pregnancy outcomes
- Adverse outcomes include:
 - Fetal loss and stillbirth: 21%
 - Neonatal death: 9.3%
 - Prematurity or low birth weight: 5.8%
 - Congenital infection and anomalies: 15%



Reported Cases of Congenital Syphilis and Primary and Secondary (P&S) Syphilis Among Women of Reproductive Age, U.S., 2007–2020



Reported Cases of Congenital Syphilis (CS) and P&S Syphilis Among Women of Reproductive Age, Chicago,1995–2022*



Congenital Syphilis cases, Chicago, 2020-2022*



- 9 CS cases reported in 2019
- 19 CS cases reported in 2020
- 25 CS cases reported in 2021
- 35 CS cases reported in 2022







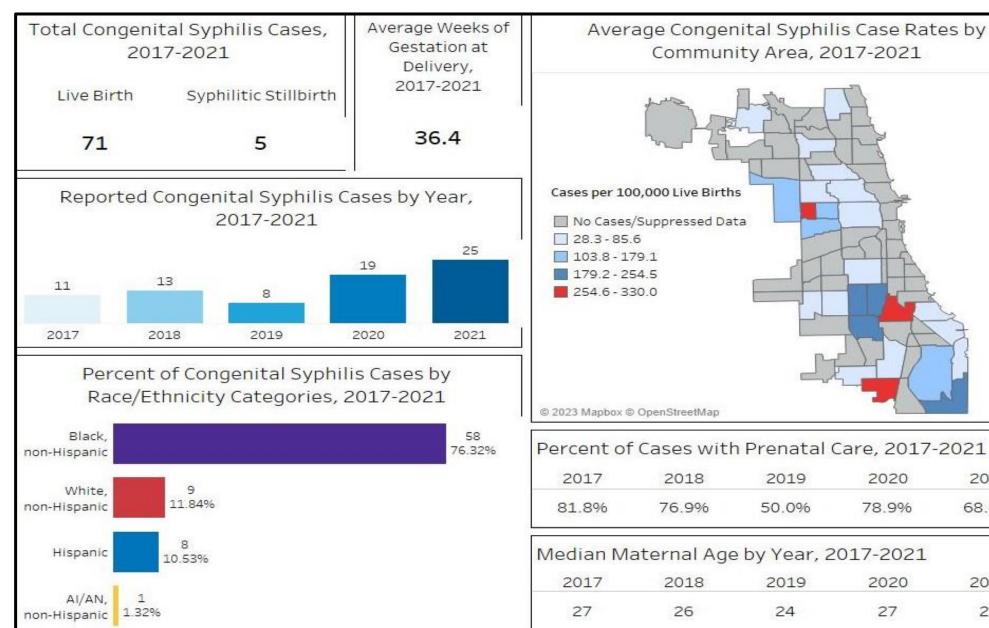
In 2022* mothers aged 20-29 accounted for **54.3%** of the congenital syphilis cases in the city of Chicago. The median maternal age for congenital syphilis cases in 2022 was 26 years old



From 2016-2022*, the number of reported CS cases increased by 191% (from 12 to 35 cases).

STI Dashboard Snapshot, Congenital Syphilis 2016-2021





2021

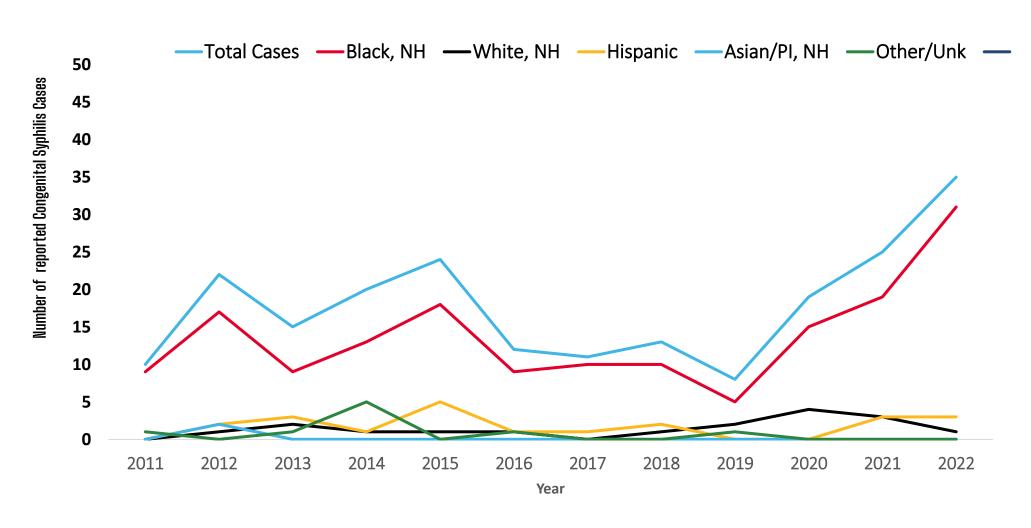
68.0%

2021

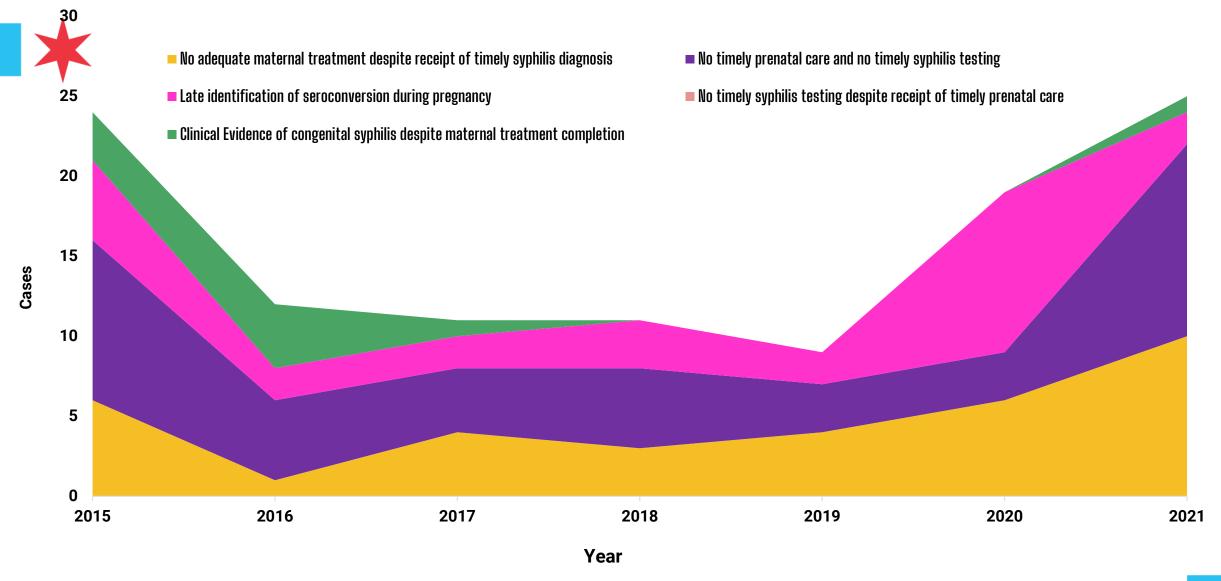
26

CS Cases by Race/Ethnicity, Chicago, 2010-2022*





Missed Opportunities for CS prevention during pregnancy





Case Study

- 25 year old single, NH Black female
- Unemployed, no reported drug use, no previous pregnancies
- Nov 15—1st prenatal visit, negative for all STIs
- Feb 7— 3rd prenatal visit, no syphilis testing ordered by prenatal care provider
- April 1 —patient presented to hospital for COVID concerns (fever)
 - Fetal demise at 29 weeks gestation induction of labor
 - Rash observed by clinician (reported onset: March 11)
- April 15 patient received treatment for secondary syphilis

What are we doing?

- In 2019, Chicago Department of Public Health in collaboration with medical and community partners formed Syphilis Elimination Task Force
- Working with regional HIV/STI Prevention Training Center to ensure providers have the knowledge to provide evidence-based quality of clinical care (grand round presentation, academic detailing were provided)
- Expanded capacity to provide quality care at the CDPH STI Specialty Clinic
- Expanding Disease Intervention Specialists capacity to provide rapid outbreak investigations and continue to work with communities
- Conducting public awareness campaigns that use culturally competent and linguistically appropriate messages



What Do Healthcare Providers Need to Know?



Syphilis Screening Recommendations:

Prenatal

1st prenatal visit: All pregnant women

Early 3rd trimester (~28 weeks) and at delivery

Some states require all women to be screened at 3rd trimester and/or at delivery

Neonates: should *NOT BE* discharged from the hospital unless the syphilis serologic status of the mother has been determined at least one time during pregnancy and preferably again at delivery if at risk

Stillborn: Any woman who delivers a stillborn infant should be tested for syphilis



What Do Healthcare Providers Need to Know, cont..?



- Benzathine penicillin is the only acceptable treatment for a pregnant woman with syphilis
- Timely and adequate treatment for the stage of disease is critical to prevent transmission of syphilis from mother to her unborn baby
- Don't delay in treating a pregnant woman for syphilis
- Work closely with the Chicago Department of Public Health.
- Trained Disease Intervention Specialists (DIS) can help with locating hard-toreach women
- Health Department may have historical syphilis information, including old titers and treatment information.









A routine blood test for syphilis protects the pregnant mother and her baby.

Prioritize screening, diagnosis, and treatment of pregnant women => congenital syphilis is preventable!





Know the Facts: Your Baby Will Thank You!

You can get syphilis or other STDs more than once. If you would like more information, talk to your health care provider, call or visit one of the Chicago Department of Public Health's STD/HIV clinics.

641 W. 63rd St., Lower Level 2861 N. Clark, 2nd Floor

West Town STI Specialty Clinic Phone: 312.744.5464 312.742.4092

Pregnant?

Get Prenatal Care and Protect Your Baby from

Congenital Syphilis

Call 311 or visit www.cityofchicago.org/health

Phone: 312.747.8900 312.747.8901 Phone: 312.744.5507 312.744.1628 M, W, F 8am-4pm, T, Th 9am-5pm M, W, F 8am-4pm, T, Th 10am-6pm

Phone: 312.746.4871 312.746.4872 Phone: 312.747.2831 312.747.0054 M, W 8am-4pm, T, Th 10am-6pm M 8am-4pm, Th 9am-5pm









Conozca los hechos: Su bebé se lo agradecerá!

Usted puede contraer sífilis u otras enfermedades de transmisión sexual más de una vez.

Si desea más información , hable con su doctor o proveedor de cuidado de la salud, o llame o visite una de las clínicas de enfermedades sexuales del Departamento de Salud Pública.

641 W. 63rd St., Lower Level 2861 N. Clark, 2nd Floor Telefona: 312.747.8900 312.747.8901

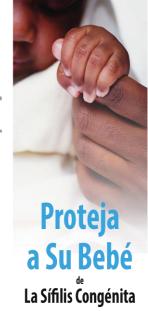
Englewood STI Specialty Clinic Lakeview STI Specialty Clini Telefono: 312.744.5507 312.744.1628

South Austin STI Specialty Clinic Roseland STI Specialty Clinic 4909 W. Division, 2nd Floor Telefons: 312.746.4871 312.746.4872 Telefons: 312.747.2831 312.747.0054

2418 W. Division Telefona: 312.744.5464 312.742.4092

West Town STI Specialty Clinic









Acknowledgments



- Syndemic Infectious Disease (SID) Bureau
- Surveillance, Public Health Intervention Team and Epi Teams
- CDPH Congenital Syphilis Team
- CDPH Office of Public Health Information