



# **COVID-19 Chicago Long Term Care Roundtable**

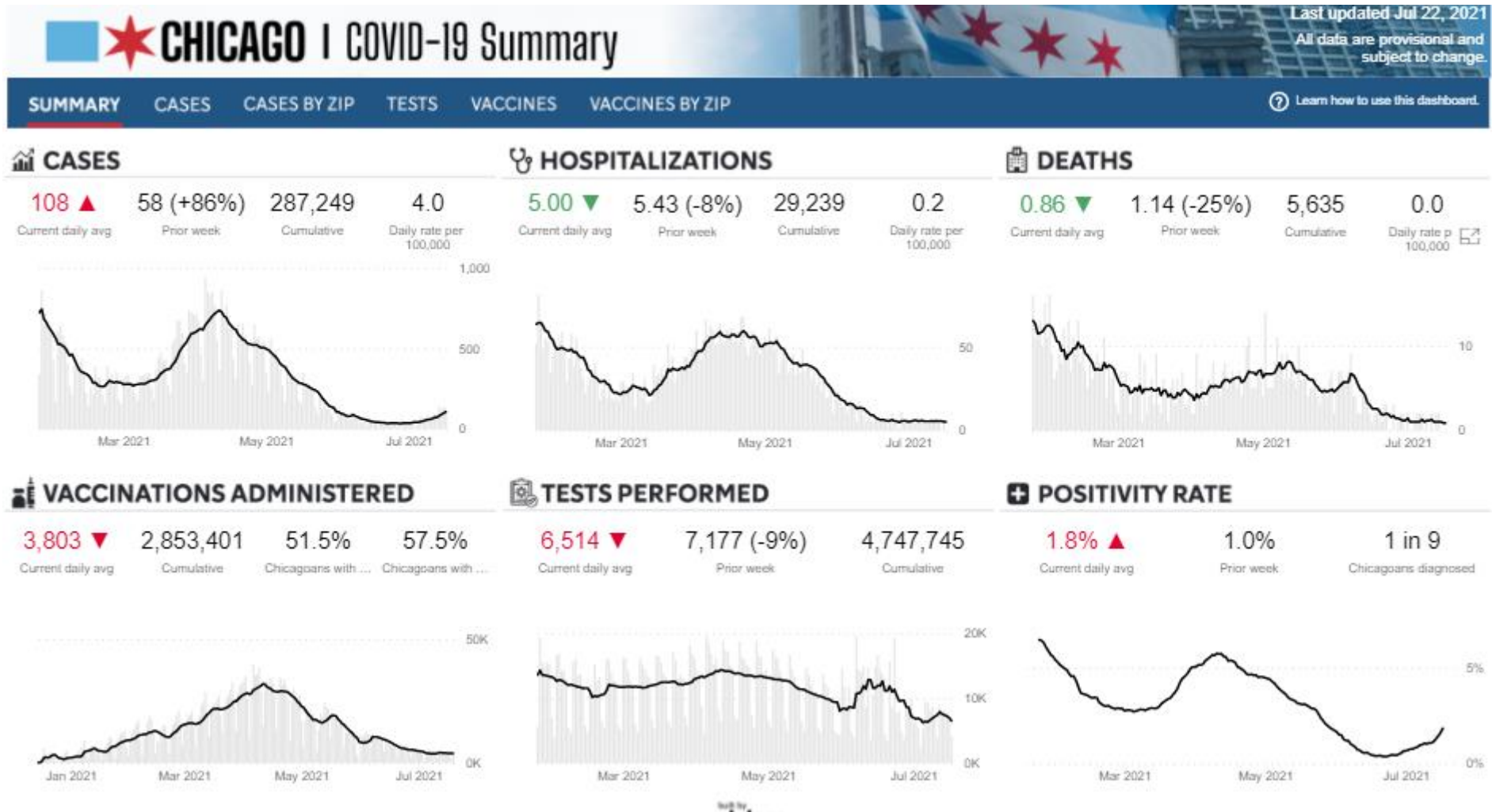
07-22-2021



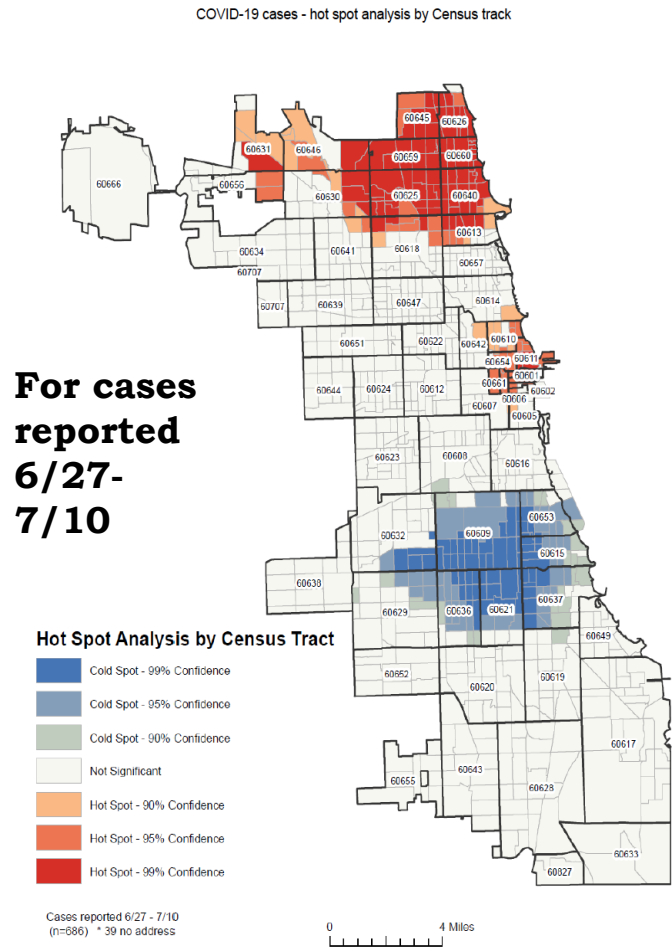
# Objectives

- Chicago COVID-19 Epidemiology
- COVID Reminders, Updates, and FAQs
- How to use the XDRO Registry
- Q&A

# Chicago Dashboard



# Hot Spot Report & Zip Code Level Data



## Weekly totals and trends for 60644 (week ending 7/17/2021)

Cumulative Totals	Weekly Totals	
Cases	Tests performed	Deaths
16 ▲	945 ▼	0 ↔
Prior week	Prior week	Prior week
13 (23%)	1,003 (-6%)	0 (0%)

## Weekly totals and trends for 60657 (week ending 7/17/2021)

Cumulative Totals	Weekly Totals	
Cases	Tests performed	Deaths
21 ▲	1,349 ▲	0 ↔
Prior week	Prior week	Prior week
11 (91%)	1,283 (5%)	0 (0%)

## Weekly totals and trends for 60617 (week ending 7/17/2021)

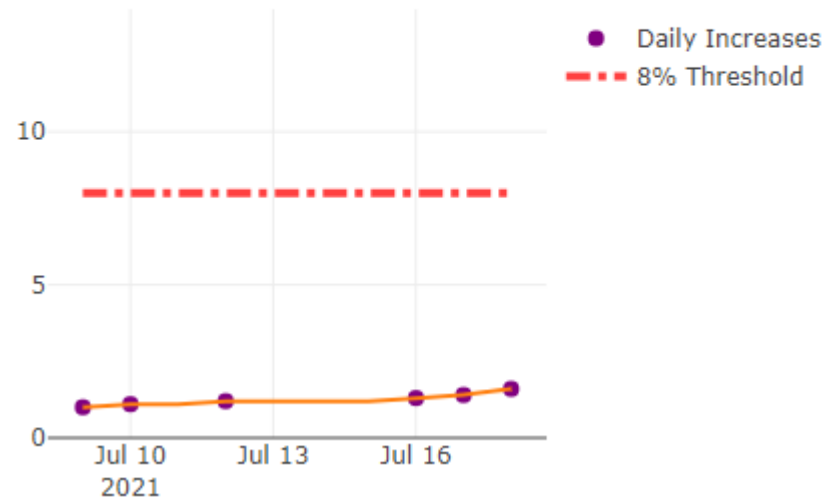
Cumulative Totals	Weekly Totals	
Cases	Tests performed	Deaths
24 ▲	953 ▼	0 ↔
Prior week	Prior week	Prior week
11 (118%)	1,354 (-30%)	0 (0%)



# IDPH Regional Resurgence Metrics: Region 11

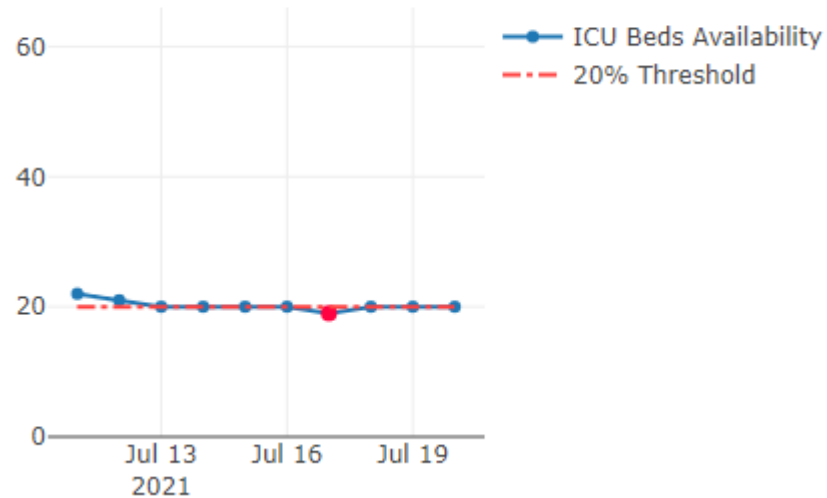
### Test Positivity 7-Day Rolling Average

11 Consecutive Days under 8% threshold



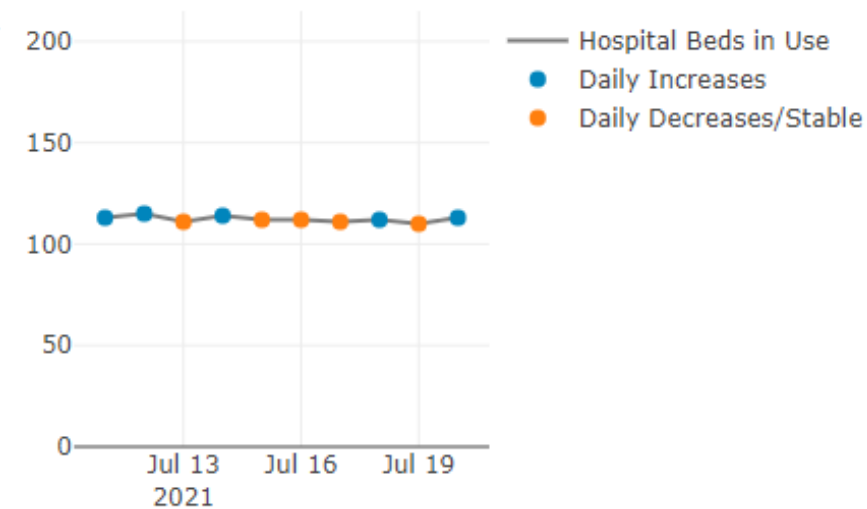
### Hospital Bed Availability 7-Day Rolling Average

ICU Beds: 3 Consecutive Days  $\geq$  20% Threshold

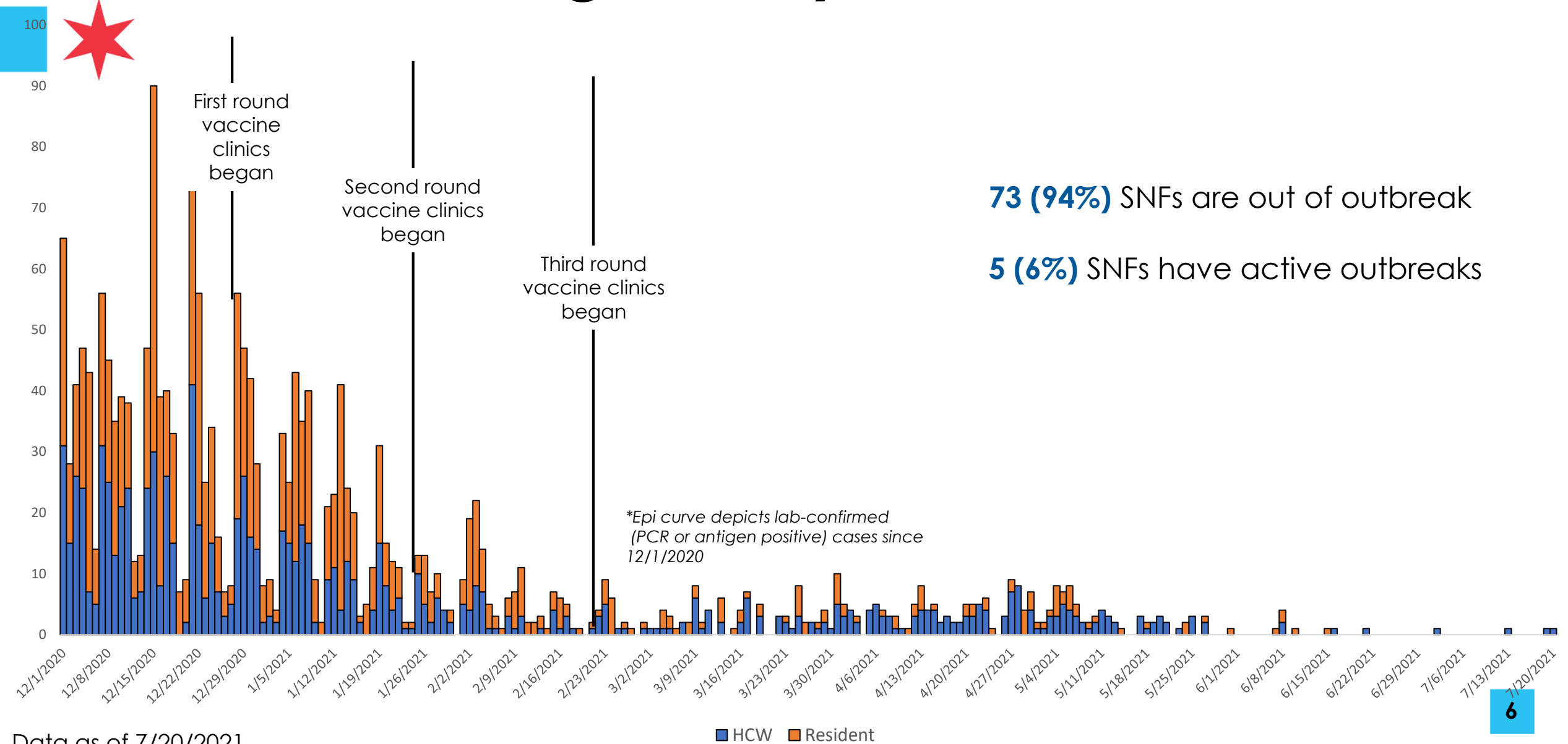


### COVID-19 Patients in the Hospital 7-Day Rolling Average

5 Days of COVID-19 Patient Increases

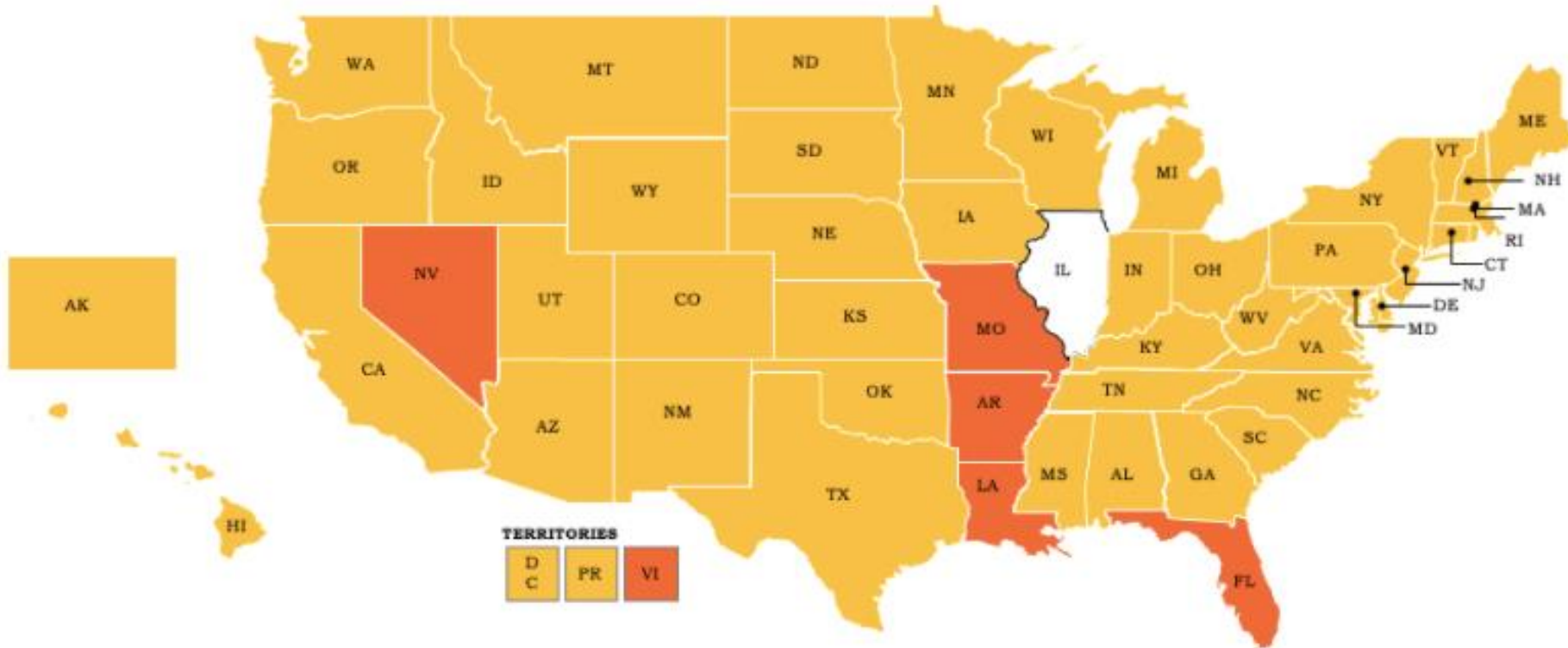


# Skilled Nursing Facility COVID-19 Cases



Data as of 7/20/2021

# ★ Chicago Travel Advisory



■  $\geq 15$  daily cases per 100k    ■ Less than 15 daily cases per 100k

All other U.S. Territories are categorized as yellow



# COVID Variants of Concern in HHS Region 5 (includes Illinois)

Use the controls to focus on a specific region and/or 2-week interval

HHS Region

Region 5 - Illinois, Indiana, Michi...

● Nowcast On

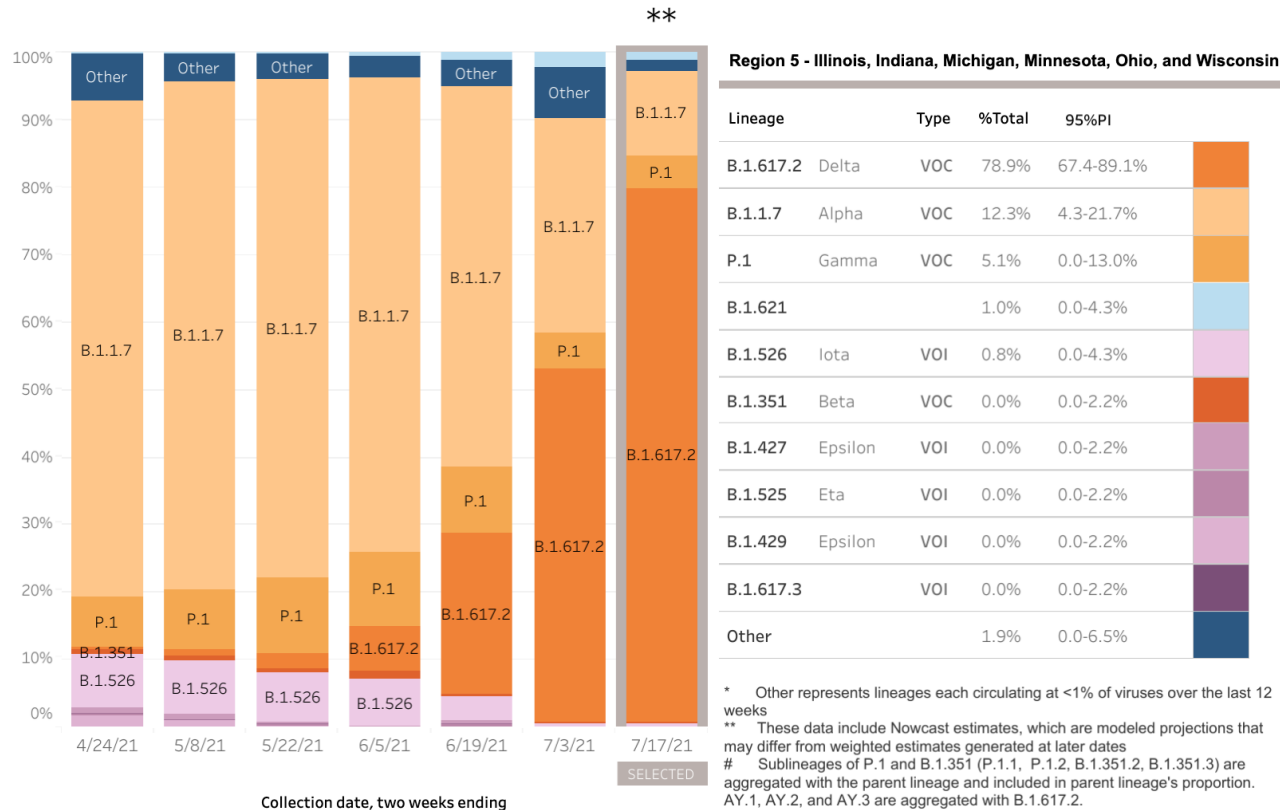
○ Nowcast Off

Two weeks ending

7/17/2021

HHS Region 5: 4/11/2021 – 7/17/2021

HHS Region 5: 7/4/2021 – 7/17/2021 NOWCAST







# Recent Headlines

## Covid-19 vaccines are effective at preventing severe disease, experts say, as rising cases threaten unvaccinated

By [Dakin Andone](#) and Travis Caldwell, CNN

🕒 Updated 7:56 PM ET, Sat July 17, 2021

HEALTH • COVID-19

## A Fourth Wave of COVID-19 Is Brewing in the U.S. Is There Enough Time to Stop it?

Health

## Delta variant takes hold in U.S. as coronavirus cases rise nearly 70 percent

'This is becoming a pandemic of the unvaccinated,' CDC director says

# Nearly all COVID deaths in US are now among unvaccinated

By CARLA K. JOHNSON and MIKE STOBBE June 29, 2021

**Sources:** <https://time.com/6081407/covid-19-fourth-wave/>, <https://www.washingtonpost.com/health/2021/07/16/covid-cases-rising/>, <https://apnews.com/article/coronavirus-pandemic-health-941fcf43d9731c76c16e7354f5d5e187>; <https://www.cnn.com/2021/07/17/health/us-coronavirus-saturday/index.html>

# ★ Want to travel abroad? Get vaccinated.

Americas

## Canada to open border to fully vaccinated U.S. citizens on Aug. 9

Bermuda, France, Italy, and St. Bart's are among the countries open to vaccinated Americans. Here's the full list of countries open to fully vaccinated U.S. travelers.

### Carnival Cruise Line



**Who Needs to Be Vaccinated:** All passengers 16 years of age and over; all passengers 12 years of age or older as of August 1, 2021, for all sailings from Seattle, Long Beach, Galveston, Miami and Port Canaveral.

**Source:** <https://www.washingtonpost.com/world/2021/07/19/canada-us-border-open/>; <https://www.cruise critic.com/articles.cfm?ID=5872>; <https://www.afar.com/magazine/travelers-with-covid-vaccines-can-visit-these-countries>

# **Reminder: Vaccine Education Team**

**Goal:** To use factual information to answer questions, address fears & misconceptions, and improve confidence in the COVID-19 vaccine among LTCF staff and residents.

- Teams of 2-3 nurses and/or community health educators from Rush or UIC
- Unstructured conversations
  - One-on-one
  - Small group
- On-site for 4-5 hours; times are flexible to accommodate facility needs.
- Best when scheduled before an upcoming vaccination clinic.

**If interested, please contact Christy Zelinski at [christy.zelinski@cityofchicago.org](mailto:christy.zelinski@cityofchicago.org)**



# Reminder: Fully Vaccinated HCW with High-Risk Exposure

- If a fully vaccinated staff member has a high-risk exposure to a positive case:
  - The staff member can continue to work as long as they are asymptomatic
  - Test the staff member immediately and at 5-7 days post-exposure



# Reminder: Unvaccinated/Partially Vaccinated HCW with High-Risk Exposure

- If a partially vaccinated or unvaccinated staff member has a high-risk exposure to a positive case:
  - Exclude the staff member from work for 14 days
    - If experiencing critical staffing shortages, contact CDPH to discuss alternative strategies
  - Test the staff member immediately and at 5-7 days post-exposure



# Reminder: Resident with High-Risk Exposure

- Regardless of vaccination status, if a resident has a high-risk exposure to a positive case:
  - Quarantine the resident for 14 days
    - Do not place the resident with any new roommates during the quarantine period
  - Test the resident immediately and at 5-7 days post-exposure

# **Reminder: Positive Pressure User Seal Check**

To conduct a **positive pressure** user seal check with a respirator:

1. Perform hand hygiene
2. Don the respirator
3. Place your hands over the facepiece, covering as much surface area as possible.
4. Exhale gently into the respirator.



# Reminder: Positive Pressure User Seal Check

- The face fit is considered satisfactory if a slight positive pressure is being built up inside the facepiece without any evidence of outward leakage of air at the seal.
- Examples of evidence that the respirator is leaking include:
  - The feeling of air movement on your face along the seal of the facepiece
  - Fogging of your glasses
  - A lack of pressure being built up inside the facepiece.

**Note:** If the respirator has an exhalation valve, performing a positive pressure check may not be possible unless the user can cover the exhalation valve. In such cases, a negative pressure check must be performed.



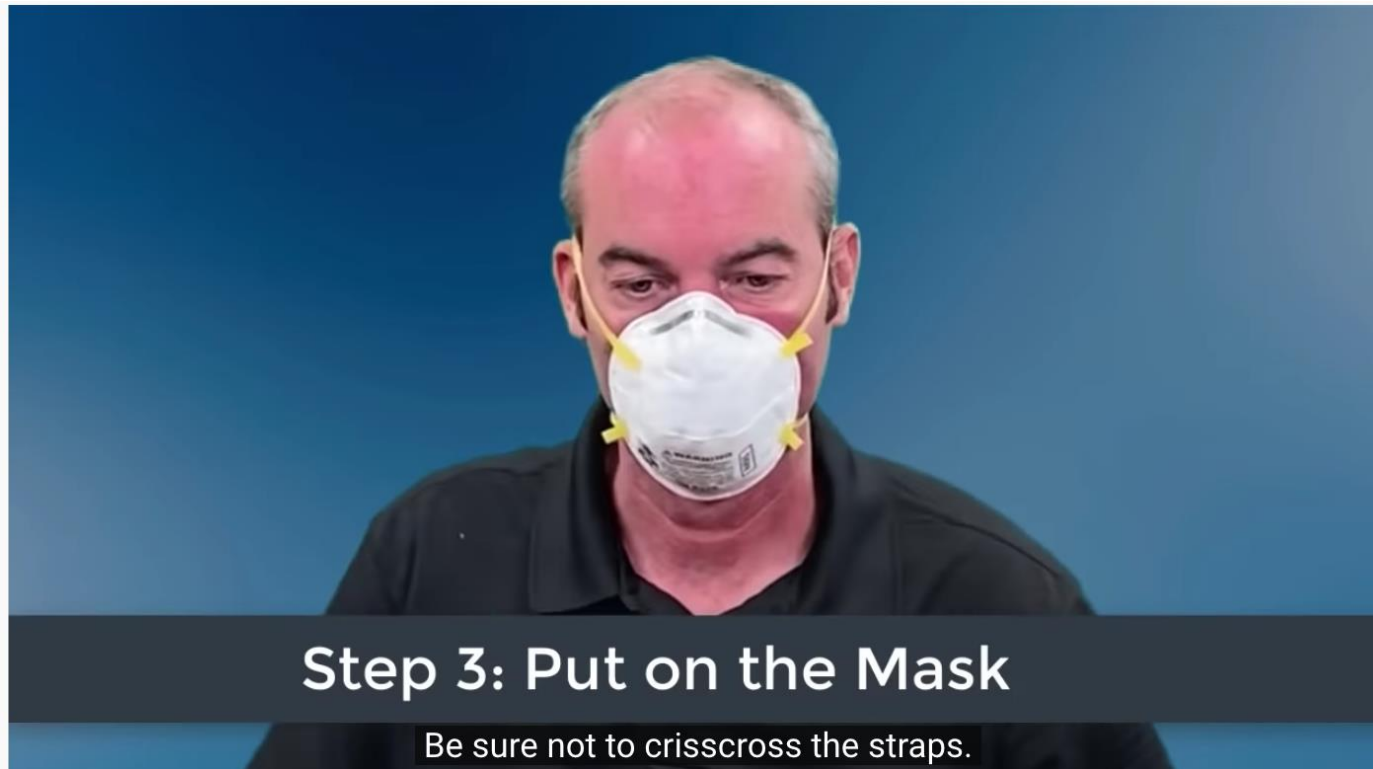


# Reminder: Negative Pressure User Seal Check

To conduct a **negative pressure** user seal check (e.g. when using a N95 with an exhalation valve):

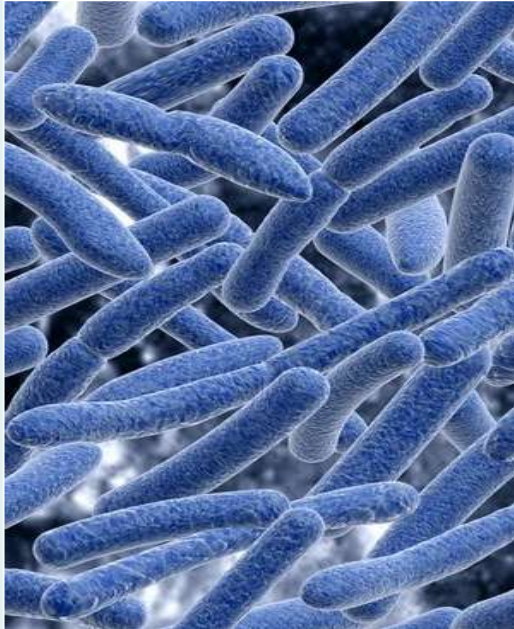
1. Perform hand hygiene
2. Don the respirator
3. Cover the filter surface with your hands as much as possible and then inhale.
4. The facepiece should collapse on the wearer's face and should not feel air passing between the face and facepiece.

# ★ Respirator Training Videos





# How to use XDRO Registry



## To report CRE, please log-in through [IDPH portal](#) and access the XDRO registry under 'product application'

**New users (who do not have access to the IDPH web portal):** You must register for access to the IDPH web portal. Fill out the form to create a new username, and select the box to access the application “INEDSS (Disease Surveillance) System/XDRO registry (extensively drug resistant organism).” This may take several weeks to process.

**Users who have access to the IDPH web portal, but not the INEDSS/XDRO application:** If you already have a username and access to the IDPH web portal, **do not fill out a new registration form.** Please have your facility Portal Registration Authority (PRA)\* send an email to [DPH.Security@illinois.gov](mailto:DPH.Security@illinois.gov) requesting for you to have access to the additional application “INEDSS (Disease Surveillance) System/XDRO registry (extensively drug resistant organism).” Make sure your PRA includes your full name and User ID.

**Existing INEDSS users:** Your existing IDPH log-in will automatically give you access to the XDRO registry. For log-in issues, please call the Central Management Services customer service center at 217-524-3648 or 312-814-3648.

The XDRO registry is a product of collaboration between IDPH, Medical Research Analytics and Informatics Alliance (MRAIA), and the Chicago CDC Prevention Epicenter.

\* If you do not know the PRA for your facility, please [Click here](#) to find your PRA. If you still cannot find your PRA after scrolling through the list, please email [DPH.Security@illinois.gov](mailto:DPH.Security@illinois.gov) to find out who your PRA is



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## Production Applications



Business Objects 4.2



Essence



I-CARE



I-NEDSS



INEDSS Site ID



ORS



REDCap



XDRO registry (extensively drug resistant organism)



**Submit Report**

**Search Registry**

**Facility Submission History**

**Facility Alert History**

**XDRO Dashboard**

# XDRO Report



## XDRO culture information

\* **Organism name (genus/species)**

Please Select Organism:

\* **Specimen source**

Please Select Specimen:

\* **Date (culture acquisition)**

mm / dd / yyyy

\*XDRO criteria (select all that apply)

[Reporting rule](#)

**Molecular test** (e.g. PCR) specific for carbapenemase

**Phenotypic test** specific for carbapenemase production

**For E. coli and Klebsiella spp. only** (excluding K. aerogenes): Resistant to ALL 3rd gen cephalosporins tested and non-susceptible (intermediate or resistant) to one carbapenem. **Ignore ertapenem.**

## Facility information

\* **Facility name**

Chicago Department Of Public Health

\* **Patient MRN**

\* **Date of admission/Encounter Date**

mm / dd / yyyy

Culture obtained as outpatient

## Patient demographics

\* **First name**

**Middle name(if applicable)**

\* **Last name**

\* **Gender**

Male  Female

\* **Date of birth(mm/dd/yyyy)**

mm / dd / yyyy

**Social Security Number(last4)**

**Race**

Please Select One:

**Ethnicity**

Hispanic or Latino  
 Not Hispanic or Latino

\* **Street address**

\* **City**

\* **County**

Select a County:

\* **State**

Illinois

\* **Zip code**

## Comments

Include any information that may help infection preventionists who view your submission. Comments are not routinely monitored by IDPH. To communicate directly with IDPH, please email [DPH.XDROregistry@Illinois.gov](mailto:DPH.XDROregistry@Illinois.gov)

**For laboratories and IDPH only**

\* **Select facility that sent specimen:**

Please Select Facility:

CANCEL

SAVE DRAFT

SUBMIT

## XDRO Report

### XDRO culture information

**\* Organism name  
(genus/species)**

Please Select Organism:

- Please Select Organism:
- Citrobacter freundii
- Citrobacteri koseri
- Citrobacter spp.
- Enterobacter aerogenes
- Enterobacter cloacae
- Enterobacter spp.
- Escherichia coli
- Klebsiella oxytoca
- Klebsiella pneumoniae
- Klebsiella spp.
- Morganella morganii
- Pantoea agglomerans
- Proteus mirabilis
- Proteus spp.
- Providencia stuartii
- Providencia spp.
- Salmonella spp.
- Serratia marcescens
- Serratia spp.

**\* XDRO criteria** (select all that apply)

[Reporting rule](#)

**Molecular test** (e.g. PCR) specific for carbapenemase

**Phenotypic test** (e.g. Modified Hodge) specific for carbapenemase production

**For E. coli and Klebsiella spp. only:**  
Resistant to ALL 3rd gen cephalosporins tested and non-susceptible (intermediate or resistant) to one carbapenem. **Ignore ertapenem.**

**\* Date (culture acquisition)**

/  /

**\* Mechanism of resistance**

Please Select Mechanism:

Fa

**\* Patient MRN**

**\* Date of admission/Encounter Date**

/  /

Pa

**\* First name**

**\* Last name**

**Maiden name(if applicable)**



## XDRO Report

### XDRO culture information

\* **Organism name (genus/species)**

Klebsiella pneumoniae ▼

\* **Specimen source**

Please Select Specimen: ▼

\* **XDRO criteria** [Reporting rule](#)

**Molecular test** (e.g. PCR) specific for carbapenemase

**Phenotypic test** (e.g. Modified Hodge) specific for carbapenemase production

**For E. coli and Klebsiella spp. only:**

Resistant to ALL 3rd gen cephalosporins tested and non-susceptible (intermediate or resistant) to one carbapenem. **Ignore ertapenem.**

\* **Date (culture acquisition)**

mm / dd / yyyy

\* **Mechanism of resistance**

KPC (Klebsiella pneumoniae) ▼

Please Select Mechanism:

KPC (Klebsiella pneumoniae carbapenemase)

NDM-1 (New Delhi Metallo-β-lactamase)

OXA

Other

Unknown

\* **D**  
mm / dd / yyyy

### Facility information

**Facility name**

Sample Hospital

\* **Patient MRN**

Culture obtained as outpatient

### Patient demographics

\* **First name**

\* **Last name**

**Maiden name(if applicable)**

## Facility information

**Facility name**

Chicago Department Of Public Health

**\* Patient MRN**

UNKNOWN

**\* Date of admission/Encounter Date**

07 / 14 / 2021

Culture obtained as outpatient

## Patient demographics

**\* First name**

abcd

**Middle name(if applicable)**

**\* Last name**

kk

**\* Gender**

Male  Female

**\* Date of birth(mm/dd/yyyy)**

09 / 07 / 1984

**Social Security Number(last4)**

**Race**

Please Select One: ▾

**Ethnicity**

- Hispanic or Latino  
 Not Hispanic or Latino

**\* Street address**

demo

**\* City**

Chicago

**\* County**

Cook ▾

**\* State**

Illinois ▾

**\* Zip code**

60612

## Comments

Include any information that may help infection preventionists who view your submission. Comments are not routinely monitored by IDPH. To communicate directly with IDPH, please email [DPH.XDRRegistry@Illinois.gov](mailto:DPH.XDRRegistry@Illinois.gov)

**For laboratories and IDPH only**

**\* Select facility that sent specimen:**

Unknown ▾



CANCEL

SAVE DRAFT

SUBMIT



**Submit Report**

**Search Registry**

**Facility Submission History**

**Facility Alert History**

**XDRO Dashboard**



## Search Patient

\* Last name  \* Date of birth  /  /  First name

### Search Instructions

#### a. Available fields

Last name (required), first name (optional), DOB (required).

#### b. Search algorithm

- i. If you enter all 3 fields, then attempt to match (exact; case insensitive) on all 3 fields.
- ii. If no match returns on 3 fields, then attempt to match (exact; case insensitive) on last name and DOB (ignore first name completely).

#### c. Results display

- i. In general, you will see the search results for exactly how you entered the information. If there are no exact matches for last name and dob, you will see a NULL result.

## Search Patient

\* **Last name**  \* **Date of birth**  /  /  **First name**

Showing results for kk, DOB 9/7/1984 (**FIRST NAME IGNORED**):

RID	Name	Date of Birth	SSN	Organism	Culture Date	Last Transaction	Facility
17043	<input type="text" value="Kk, Abcd"/>	09/07/1984		<i>Klebsiella pneumoniae</i>	07/14/2021	submitted,07/19/2021	Chicago Departm..

Disclaimer: A match on name and date of birth only may not be 100% accurate. We recommend that you verify XDRO status with the patient or by contacting the facility that entered the result.

Note: As of January 2017, the Illinois Department of Public Health is entering *Candida auris* cases into the XDRO registry; such patients can be identified through the above search query. Patients with *C. auris* should be placed on standard and contact precautions and, when possible, in single rooms. More information is available on CDC's [Questions and Answers](#) and [Interim Recommendations](#) pages.

As of April 2017, IDPH is entering carbapenemase-producing *Pseudomonas aeruginosa* cases into the XDRO registry. More information is available on [CDC's website](#) .

As of June 2019, IDPH is entering carbapenemase-producing *Acinetobacter baumannii* cases into the XDRO registry. More information is available on [CDC's website](#) .



## XDRO Report - Chicago Department Of Public Health

### Patient information

**Patient name:** Kk, Abcd

**MRN:** UNKNOWN

**Admission date:** 07/14/2021

**Date of birth:** 09/07/1984

**SSN (last 4):**

**Gender:** male

**Race:**

**Ethnicity:**

**Address:** Demo, Chicago, Cook, IL 60612

### XDRO culture information

**Organism:** *Klebsiella pneumoniae*

**Culture date:** 07/14/2021

**XDRO criterion:** Molecular test, E. coli/Klebsiella resistance **Specimen source:** Blood

**Mechanism of resistance:** KPC

**Comments:**

Submitted by Hira Adil, 07/19/2021, Chicago Department Of Public Health on behalf of a facility

[Go Back](#)

[Print](#)



**Submit Report**

**Search Registry**

**Facility Submission History**

**Facility Alert History**

**XDRO Dashboard**

## Sample Hospital Submission History

First name   
  Last name   
  mm /  dd /  yyyy Date of birth   
  SSN(last4)   
  RID   
 Report

RID	Name	Date of Birth	MRN	Organism	▼Culture Date	Status	Username
585	Q, Q	12/12/2010	1212	Citrobacter spp.	03/01/2014	Pending	devxtest
835	Duck, Daffy	11/13/1973	1234	Klebsiella pneumoniae	02/14/2014	Submitted	rleidig
1017	T, Test	01/01/1955	1234536	Escherichia coli	12/31/2013	Submitted	devxtest
1018	B, A	11/11/2011	1234536	Escherichia coli	12/31/2013	Submitted	devxtest
846	S, B	11/11/1950	32152	Citrobacter spp.	12/12/2013	Submitted	devxtest
777	E, Ds	11/11/1982	1110	Enterobacter aerogenes	11/22/2013	Submitted	devxtest
861	, Test Criteria			Escherichia coli	11/12/2013	Pending	devxtest
871	Gao, TestUI	11/11/1958	lkdsfkj	Klebsiella oxytoca	11/11/2013	Submitted	devxtest
872	D, Testzip	11/12/1950	2321321	Enterobacter aerogenes	11/11/2013	Submitted	devxtest
899	T, Test	01/23/1980	3232132	Citrobacter spp.	11/11/2013	Submitted	devxtest





<a href="#">Submit Report</a>	<a href="#">Search Registry</a>
<a href="#">Facility Submission History</a>	<a href="#">Facility Alert History</a>
<a href="#">XDRO Dashboard</a>	

To sign up to receive auto alerts for your facility email: "Doseck, Hannah" <Hannah.Doseck@Illinois.gov>



**Submit Report**

**Search Registry**

**Facility Submission History**

**Facility Alert History**

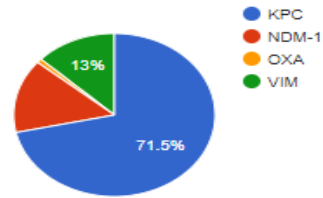
**XDRO Dashboard**

# XDR0 Report

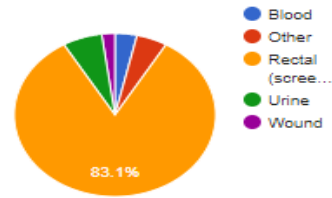


## Facility Data [a]

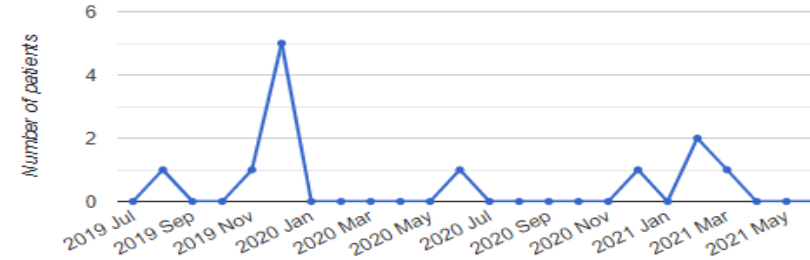
### Resistance Mechanism



### Specimen Source



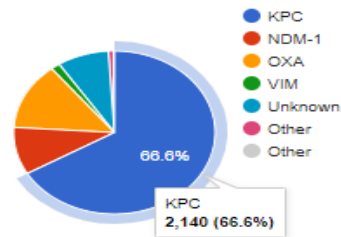
### Trend, Last 24 Months



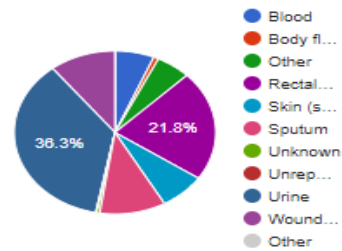
Entire Dataset

## State Data [b]

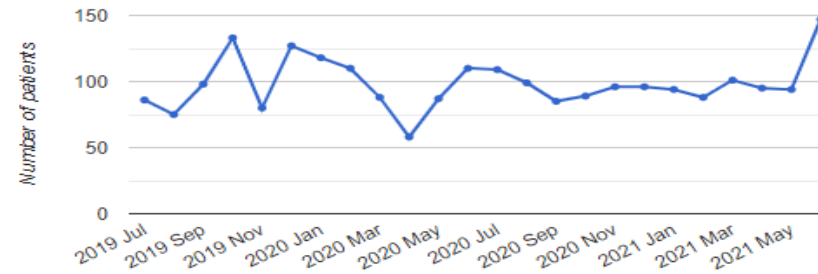
### Resistance Mechanism



### Specimen Source



### Trend, Last 24 Months



Entire Dataset

a: The facility level report removes all duplicates regardless of time. A duplicate is defined at the level of the patient and facility, using the patient's first name, last name, and date of birth.

b: The state level report removes all duplicates regardless of time and facility. A duplicate is defined at the level of the patient, using the patient's first name, last name, and date of birth.



# In Conclusion:

- You are required to report CRE to the XDRO registry. Discuss with your lab about CRE testing and reporting.
- Even if your lab reports CRE for you, we advise every facility to designate an infection preventionist to sign up for the XDRO registry
- Query your residents on admission to make sure they are placed in contact precautions if they have a history of Multi drug resistant organism.



# Questions & Answers

**A special thanks to:**

**CDPH HAI Team:**

Hira Adil  
Dr. Stephanie Black  
Dan Galanto  
Dr. Amy Hanson  
Adebola Hassan  
Liz Shane  
Winter Viverette  
Kelly Walblay  
Shannon Xydis  
Shane Zelencik  
Christy Zelinski

**For additional resources and upcoming events,  
please visit the CDPH LTCF HAN page at:**  
<https://www.chicagohan.org/covid-19/LTCF>