



Extensively Drug-Resistant Organism (XDRO) Registry: Querying the XRO Registry

DPH.XDROregistry@illinois.gov

www.xdro.org

Created October 2021

Why Query?

- The XDRO Registry was created to aid healthcare facilities in preventing the spread of extensively drug-resistant organisms by communicating the status of a patient with a history of XDRO colonization or infection.
- A facility should query the registry to see if an admitted patient has a history of XDROs

When to Query

- We encourage you to query the registry when evaluating whether a patient at your facility requires special precautions to reduce transmission of CRE, such as isolation precautions.
- Currently, all querying is manual. For facilities with few admissions per day (e.g., nursing homes and long-term acute care hospitals), querying every patient admission may be feasible. For facilities with many admissions (e.g., short stay acute care hospitals), targeted querying of a smaller group of high-risk patients, such as ICU patients or patients recently exposed to other healthcare facilities, may be feasible.

XDRO Home Page: Change Facility Tab



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[Home](#) [Citations](#) [Help](#) [Go Back](#) [Logout](#)

[Submit Report](#)

[Search Registry](#)

[Facility Submission History](#)

[Facility Alert History](#)

[Manage Facility](#)

[DPH Alert History](#)

[Registry Overview](#)

[Search Match Alert History](#)

[XDRO Dashboard](#)

[Admin Function](#)

[Emergency Alert](#)

Submit Report

Search Registry

Facility Submission History

Facility Alert History

Change Facility

Test Nursing Home

- Test Nursing Home
- Sample Hospital
- Hektoen Institute
- Illinois Department Of Public Health

XDRO D: Admin Function

Emergency Alert

XDRO Home Page: Facility Submission History Tab



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[Home](#) [Citations](#) [Help](#) [Go Back](#) [Logout](#)

[Submit Report](#)

[Search Registry](#)

[Facility Submission History](#)

[Facility Alert History](#)

[Manage Facility](#)

[DPH Alert History](#)

[Registry Overview](#)

[Search Match Alert History](#)

[XDRO Dashboard](#)

[Admin Function](#)

[Emergency Alert](#)

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RID = Unique Report IDentification



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Test Nursing Home Submission History

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

RID	Name	Date of Birth	MRN	Organism	▼Culture Date	Status	Username
17921	Bug, Super	01/01/1914	123456	<i>Klebsiella pneumoniae</i>	12/05/2021	Deleted	rachel.simon
18854	Bug, Super	01/01/1919	9999	<i>Acinetobacter baumannii</i>	11/15/2021	Submitted	rachel.simon
17909	Bug, Super	01/01/1914	123456	<i>Klebsiella pneumoniae</i>	11/06/2021	Deleted	rachel.simon
17907	Bug, Super	01/01/1914	123456	<i>Klebsiella pneumoniae</i>	10/30/2021	Deleted	rachel.simon
17898	Bug, Super	01/01/1914	9999	<i>Klebsiella pneumoniae</i>	10/29/2021	Deleted	rachel.simon
18797	Bug, Super	01/01/1914	9999	<i>Klebsiella pneumoniae</i>	10/25/2021	Submitted	rachel.simon
18821	Bug, Super	01/01/1919	9999	<i>Klebsiella pneumoniae</i>	10/15/2021	Submitted	rachel.simon
18823	Bug, Super	01/01/1919	9999	<i>Klebsiella pneumoniae</i>	10/15/2021	Submitted	rachel.simon
18002	Bug, Super	01/01/1914	123456	<i>Klebsiella pneumoniae</i>	10/15/2021	Deleted	rachel.simon
18455	Bug, Super	01/01/1919	9999	<i>Klebsiella pneumoniae</i>	10/15/2021	Submitted	rachel.simon

[previous](#) [1](#) [2](#) [3](#) [4](#) [next](#)

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

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.
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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

Query

Showing results for bug, super DOB 1/1/1914:

RID	Name	Date of Birth	SSN	Organism	Culture Date	Last Transaction	Facility
12248	Bug, Super	01/01/1914		<i>Pseudomonas aeruginosa</i>	05/13/2019	submitted,05/13/2019	Test Nursing Ho..
1236	Bug, Super	01/01/1914		<i>Escherichia coli</i>	06/10/2014	deleted,07/18/2014	Sample Hospital..
1235	Bug, Super	01/01/1914		<i>Klebsiella pneumoniae</i>	06/02/2014	submitted,06/10/2014	Test Nursing Ho..

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 - Test Nursing Home

Patient information

Patient name: Bug, Super**MRN:** 987654**Admission date:** 05/01/2019**Date of birth:** 01/01/1914**SSN (last 4):****Gender:** male**Race:****Ethnicity:****Address:** 69 W Washington, Chicago, Cook, IL 60602

XDRO culture information

Organism: *Pseudomonas aeruginosa***Culture date:** 05/13/2019**XDRO criterion:****Specimen source:** Blood**Mechanism of resistance:****Comments:**

Submitted by ANGELA TANG, 05/13/2019, Test Nursing Home

[Go Back](#)[Print](#)



Common Report Types Found in the XDRO Registry

CP-CRE Report Found Through a Phenotypic Test



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[Home](#) [Citations](#) [Help](#) [Go Back](#) [Logout](#)

XDRO Report - Test Nursing Home

Patient information

Patient name: Bug, Super

MRN: 9999

Admission date: 10/25/2021

Date of birth: 01/01/1914

SSN (last 4):

Gender: male

Race:

Ethnicity:

Address: 123 Sesame St., Chicago, Cook, IL 60111

XDRO culture information

Organism: *Klebsiella pneumoniae*

Culture date: 10/25/2021

XDRO criterion: Phenotypic test

Specimen source: Urine

Mechanism of resistance:

Phenotypic test type(s): Modified CIM (mCIM)

Comments:

Submitted by Rachel Simon, 03/15/2022, Test Nursing Home

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CRE Report Found Through a Molecular Test



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XDRO Report - Test Nursing Home

Patient information

Patient name: Bug, Super

MRN: 9999

Admission date: 10/15/2021

Date of birth: 01/01/1919

SSN (last 4):

Gender: male

Race:

Ethnicity:

Address: 123 Sesame St., Chicago, Cook, IL 60111

XDRO culture information

Organism: *Klebsiella pneumoniae*

Culture date: 10/15/2021

XDRO criterion: Molecular test

Specimen source: Urine

Mechanism of resistance: KPC, NDM-1

Comments:

Submitted by Rachel Simon, 03/15/2022, Test Nursing Home

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Candida auris (Clinical) Report



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XDRO Report - Test Nursing Home

Patient information

Patient name: Bug, Super

MRN: 123456

Admission date: 08/01/2021

Date of birth: 01/01/1914

SSN (last 4):

Gender: male

Race:

Ethnicity:

Address: 60 W Washington, Chicago, Cook, IL 60602

XDRO culture information

Organism: *Candida auris*

Culture date: 08/05/2021

XDRO criterion: N/A

Specimen source: Urine

Mechanism of resistance: N/A

Comments:

Submitted by Rachel Simon, 11/09/2021, Test Nursing Home

[Go Back](#)

[Edit](#)

[Delete](#)

[Print](#)

Candida auris (Screening) Report



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XDRO Report - Test Nursing Home

Patient information

Patient name: Bug, Super

MRN: 9999

Admission date: 10/15/2021

Date of birth: 01/01/1914

SSN (last 4):

Gender: male

Race:

Ethnicity:

Address: 123 Sesame St., Chicago, Cook, IL 60111

XDRO culture information

Organism: *Candida auris*

Culture date: 10/15/2021

XDRO criterion: N/A

Specimen source: Skin (screening)

Mechanism of resistance: N/A

Comments:

Submitted by Rachel Simon, 02/11/2022, Test Nursing Home

[Go Back](#)

[Edit](#)

[Delete](#)

[Print](#)

Carbapenemase-producing *Pseudomonas aeruginosa* Report Found Through a Molecular Test



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Shannon Calus

[Home](#) [Citations](#) [Help](#) [Go Back](#) [Logout](#)

XDRO Report - Test Nursing Home

Patient information

Patient name: Bug, Super

MRN: 987654

Admission date: 05/01/2019

Date of birth: 01/01/1914

SSN (last 4):

Gender: male

Race:

Ethnicity:

Address: 69 W Washington, Chicago, Cook, IL 60602

XDRO culture information

Organism: *Pseudomonas aeruginosa*

Culture date: 05/13/2019

XDRO criterion:

Specimen source: Blood

Mechanism of resistance: VIM

Comments:

Submitted by ANGELA TANG, 05/13/2019, Test Nursing Home

[Go Back](#)

[Print](#)

Carbapenem-resistant *Acinetobacter baumannii* (CRAB) Report Found Through a Molecular Test



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[Home](#) [Citations](#) [Help](#) [Go Back](#) [Logout](#)

XDRO Report - Test Nursing Home

Patient information

Patient name: Bug, Super

MRN: 9999

Admission date: 11/15/2021

Date of birth: 01/01/1919

SSN (last 4):

Gender: male

Race:

Ethnicity:

Address: 123 Sesame St., Chicago, Cook, IL 60222

XDRO culture information

Organism: *Acinetobacter baumannii*

Culture date: 11/15/2021

Specimen source: Urine

Mechanism of resistance: OXA

Comments:

Submitted by Rachel Simon, 03/17/2022, Test Nursing Home

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Questions?

1. Refer to XDRO FAQ document:
https://www.xdro.org/img/XDRO_registry_FAQ_FINAL.pdf
2. Contact your local health department
3. Email the IDPH XDRO team at
DPH.XDRORegistry@illinois.gov