

Laboratory Outreach Communication System (LOCS) Call

Monday, April 17, 2023, at 3:00 P.M. EDT

- **Welcome**
 - Sean Courtney, CDC Division of Laboratory Systems
- **Opening Remarks**
 - Victoria Olson, CDC Office of Laboratory Science and Safety
- **Medical Laboratory Professionals Week**
 - Alexandra Mercante, CDC Division of Laboratory Systems
- **Marburg Virus Disease Update**
 - Joanna Prasher, CDC Office of Readiness and Response
- ***Candida auris* Update: Detection and Control**
 - Joe Sexton, CDC Division of Foodborne, Waterborne, and Environmental Diseases

About DLS

Vision

Exemplary laboratory science and practice advance clinical care, public health, and health equity.

Mission

Improve public health, patient outcomes, and health equity by advancing clinical and public health laboratory quality and safety, data and biorepository science, and workforce competency.

Four Goal Areas



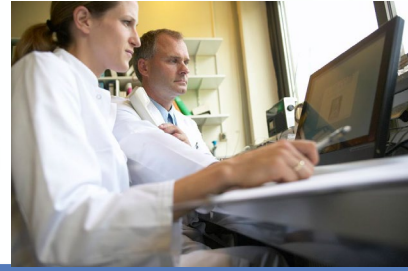
Quality Laboratory Science

- Improve the quality and value of laboratory medicine and biorepository science for better health outcomes and public health surveillance



Highly Competent Laboratory Workforce

- Strengthen the laboratory workforce to support clinical and public health laboratory practice



Safe and Prepared Laboratories

- Enhance the safety and response capabilities of clinical and public health laboratories



Accessible and Usable Laboratory Data

- Increase access and use of laboratory data to support response, surveillance, and patient care

LOCS Calls



DLS Home > CDC's Laboratory Outreach Communication System (LOCS)

DLS Home

About Us +

LIVD Mapping Tool for SARS-CoV-2 Tests

Strengthening Clinical Laboratories

CDC's Laboratory Outreach Communication System (LOCS) -

LOCS Messages Archive +

LOCS Calls

LOCS Calls Archive +

CLCR Call Archive +

LOCS Message Level Types

Laboratory Communicators' Network +

Free Educational Materials for

LOCS calls
Laboratory Outreach Communication System

CLCR calls are now LOCS calls!

Clinical Laboratory COVID-19 Response (CLCR) Calls are now Laboratory Outreach Communication System (LOCS) Calls. Find an archive of CLCR call audio files, transcripts, and slide presentations, [here](#).

CDC's Division of Laboratory Systems (DLS) convenes regular Laboratory Outreach Communication System (LOCS) calls with clinical laboratories and other audiences. The calls are an opportunity for CDC and other participants (such as federal partners and professional organizations) to provide updates and answer questions from the laboratory and testing community. These calls take place on the third Monday of each month at 3:00 PM Eastern time. DLS posts the audio, slides, and transcripts online after each call.

To submit questions for consideration, email DLSinquiries@cdc.gov in advance or use the question and answer (Q&A) function in Zoom during the call. Because we anticipate a large number of participants on this call, and many questions, we may not be able to directly and immediately address every issue. However, we will note your questions and feedback and tailor the content of future calls accordingly.

On this page, you can find:

- LOCS Call information
- Transcripts
- Slides
- Audio Recordings

<https://www.cdc.gov/locs/calls>

We Want to Hear From You!

Training and Workforce Development

Questions about education and training?

Contact LabTrainingNeeds@cdc.gov



How to Ask a Question

- **Using the Zoom Webinar System**
 - Click the **Q&A button** in the Zoom webinar system
 - Type your question in the **Q&A box** and submit it
 - **Please do not submit a question using the chat button**

- For media questions, please contact CDC Media Relations at media@cdc.gov
- If you are a patient, please direct any questions to your healthcare provider



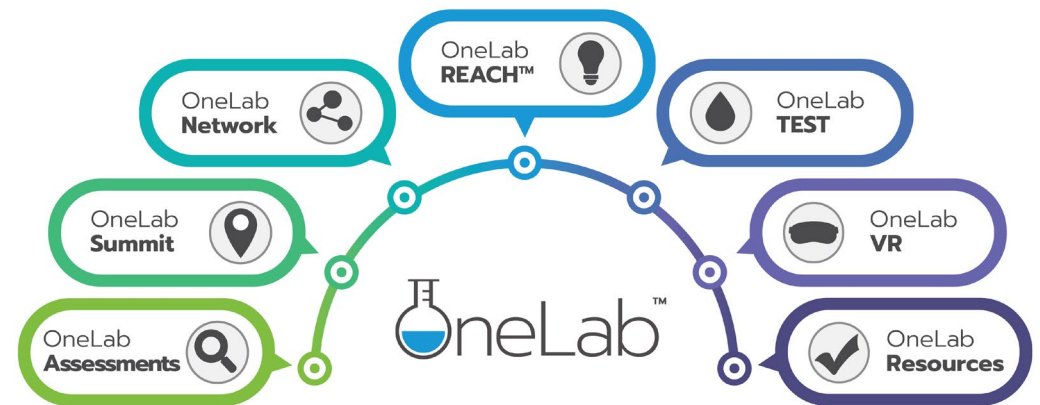


OneLab TEST is COMING SOON!



CDC Launches Newest OneLab™ Element May 1

OneLab TEST (Timely Education and Support of Testers) aims to **connect, train, and empower** a community practice among professionals and volunteers who perform or coordinate testing at non-laboratory site



Division of Laboratory Systems

Slide decks may contain presentation material from panelists who are not affiliated with CDC. Presentation content from external panelists may not necessarily reflect CDC's official position on the topic(s) covered.



Division of Laboratory Systems

Opening Remarks

Victoria Olson, PhD

Deputy Director
CDC Office of Laboratory Science and Safety





Division of Laboratory Systems



Medical Laboratory Professionals Week

Alexandra Mercante, PhD

Associate Director for Communication
CDC Division of Laboratory Systems



Medical Laboratory Professionals Week: April 23-29



- We celebrate laboratory professionals who protect our future by skillfully adapting to meet today's evolving patient care and public health challenges with **resilience**, **innovation**, and **expertise**.
- Join DLS in celebrating Lab Week 2023 by
 - Showing thanks to a laboratory professional
 - Participating in DLS's Lab Week activities
 - Accessing our digital toolkit and content

www.cdc.gov/csels/dls/lab-week/

Marburg Virus Disease Update

Joanna Prasher, PhD, MPH

Senior Advisor, Medical Care & Countermeasures
CDC Office of Readiness and Response



Candida auris Update: Detection and Control



Joe Sexton, PhD

Laboratory Team lead

Mycotic Diseases Branch, CDC

ogi3@cdc.gov

Laboratory Outreach Communication Systems (LOCS)

April 17, 2023

C. auris Background

Candida auris is considered an “Urgent Threat”

ANTIBIOTIC RESISTANCE THREATS
IN THE UNITED STATES

2019

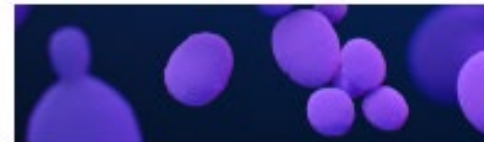


Urgent Threats

These germs are public health threats that require urgent and aggressive action:



CARBAPENEM-RESISTANT
ACINETOBACTER



CANDIDA AURIS



CLOSTRIDIoidES DIFFICILE



CARBAPENEM-RESISTANT
ENTEROBACTERIACEAE



DRUG-RESISTANT
NEISSERIA GONORRHOEAE

Why we are concerned about *C. auris*

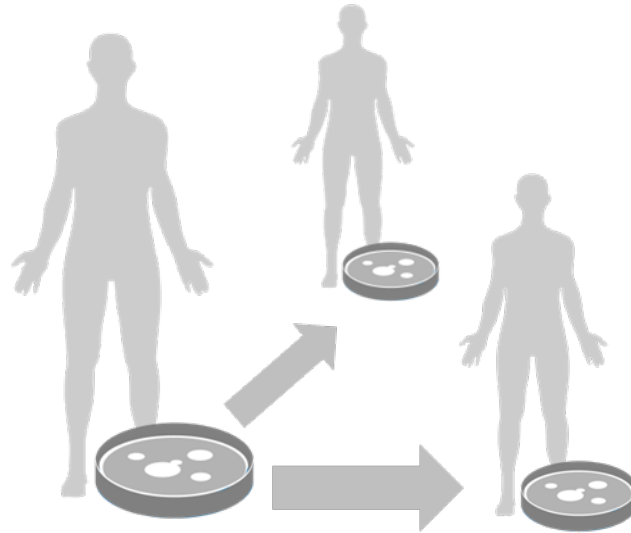


Only 3 classes of Antifungals

>80% isolates resistant to 1

>25% of isolates resistant to 2

Now over 30 total Pan R isolates



Colonization amplifies the problem

5-10% of colonized patients develop invasive infections

>45% mortality within 30 days

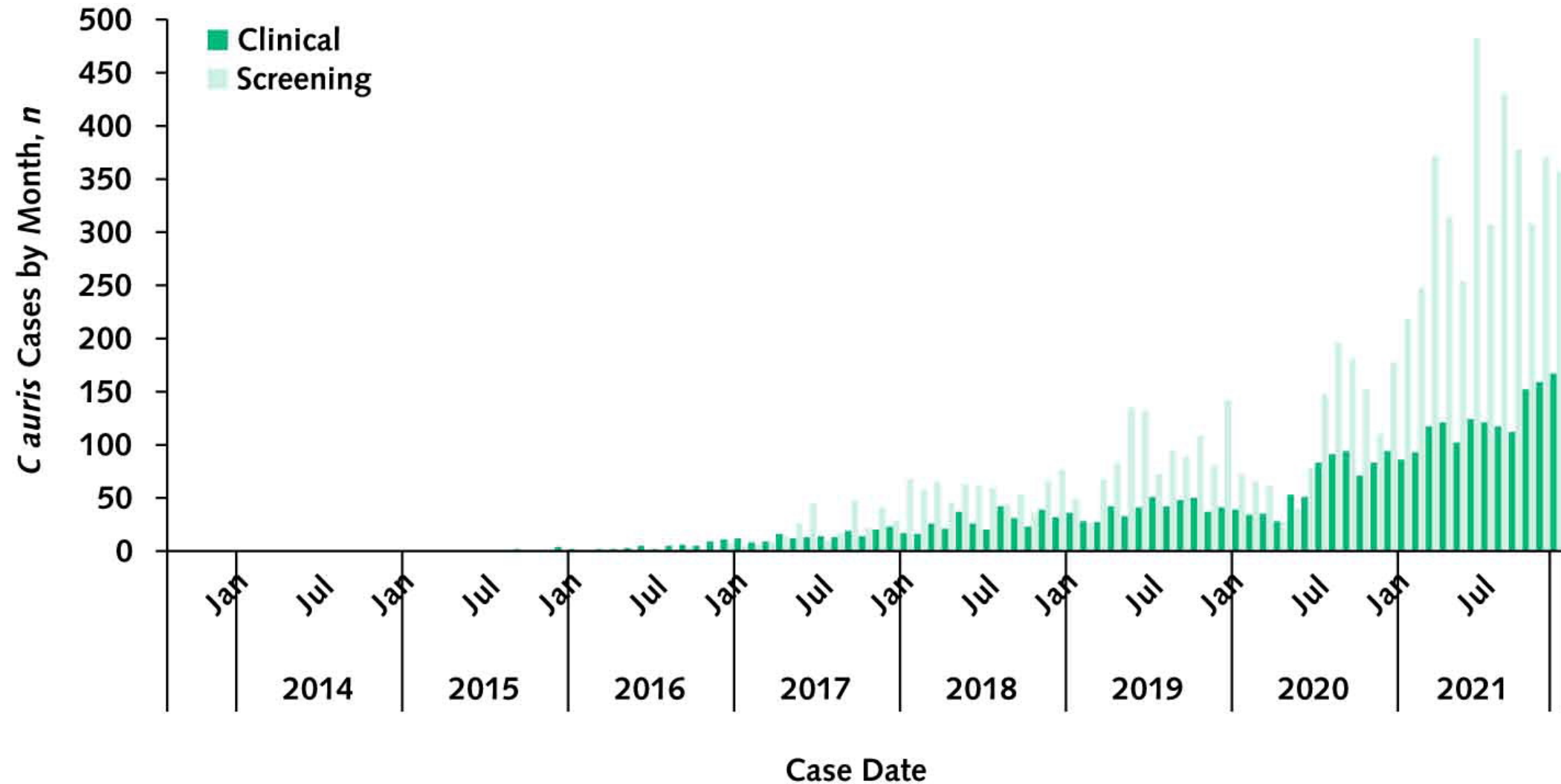


Large outbreaks in healthcare settings

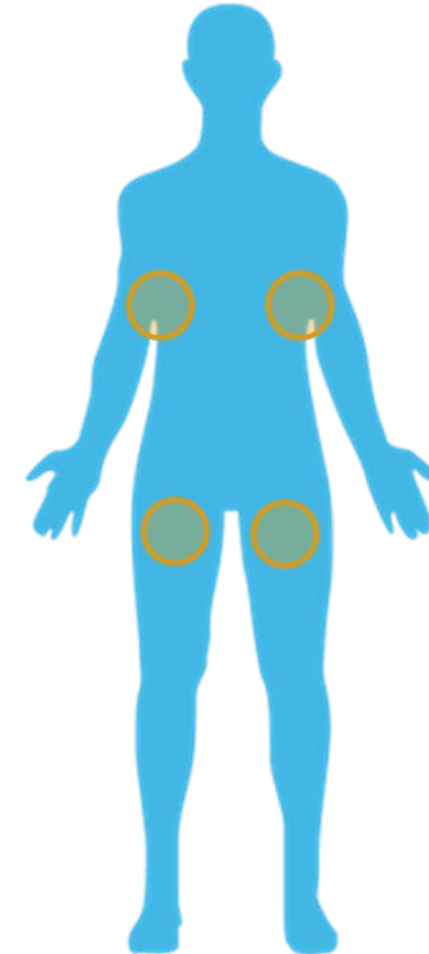
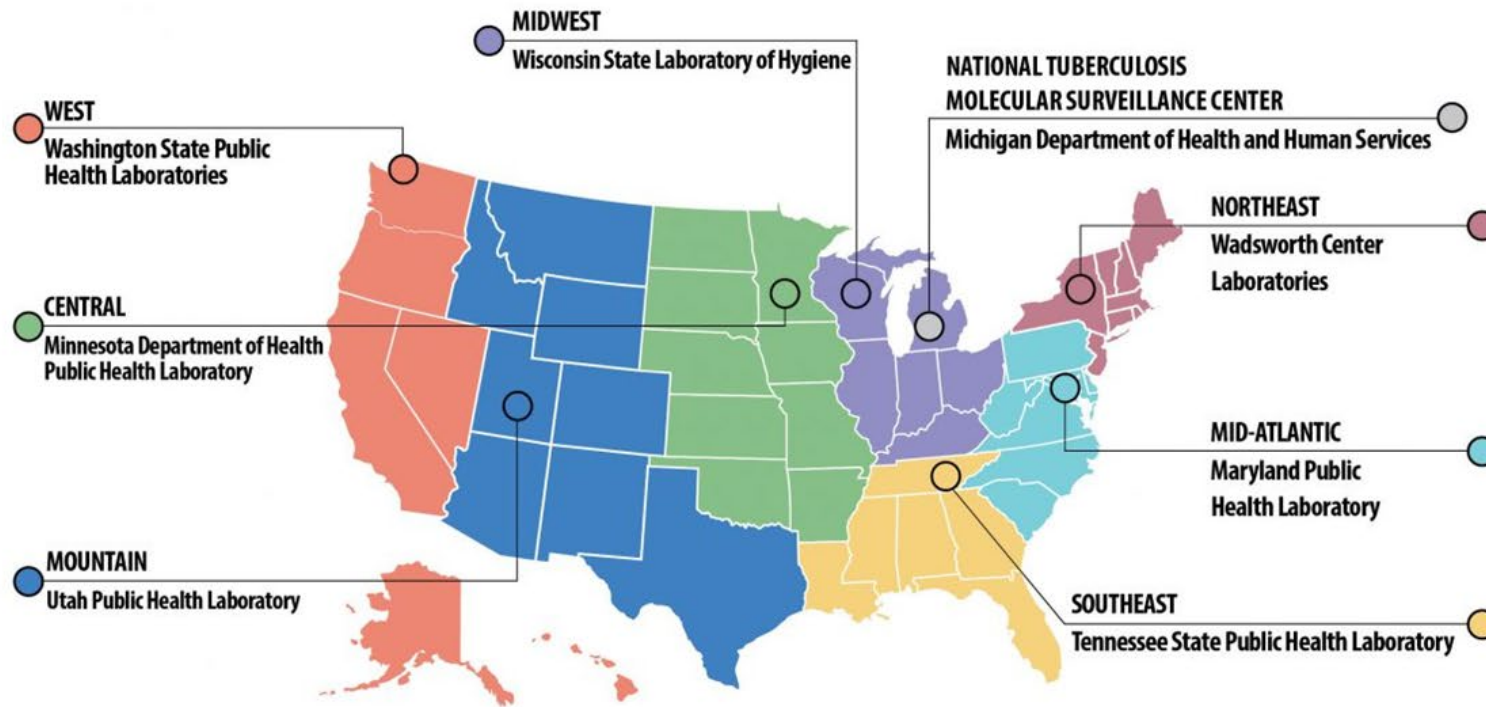
Some facilities have >70% colonization prevalence

Outbreaks are difficult to control

C. auris case counts increasing in US



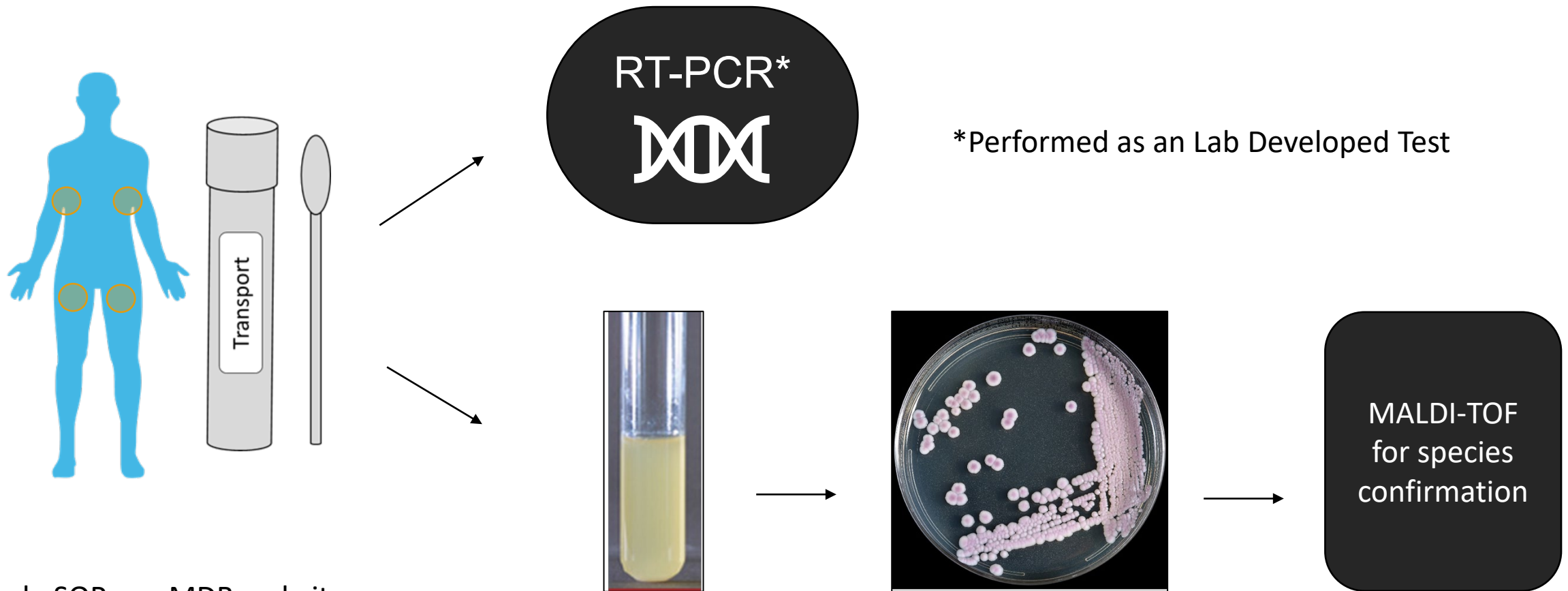
Tracking *C. auris* through AR Lab Network



Detecting *Candida auris*



Colonization screening



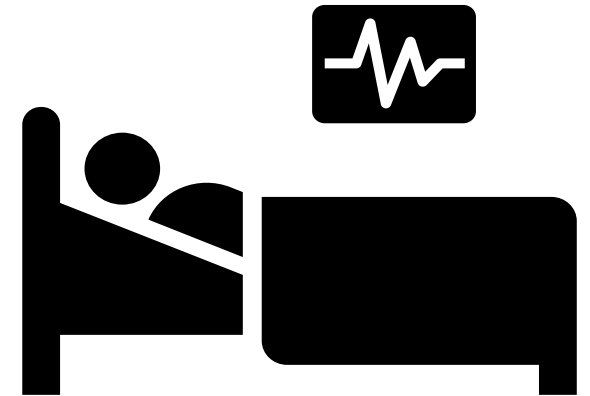
Example SOPs on MDB website

[Real-Time PCR Based Identification of Candida auris Using Applied Biosystems 7500 Fast Real-Time PCR Platform | Fungal Diseases | CDC](#)

[Procedure for Isolation of Candida auris Using Sabouraud Salt Dulcitol Broth With Chloramphenicol and Gentamicin followed by CHROMagar | Fungal Diseases | CDC](#)

FDA approved tests for positive blood culture available

- BioFire FilmArray2 (BCID2)
- GenMarkDx ePlex BCID-FP Panel (BCID-FP)

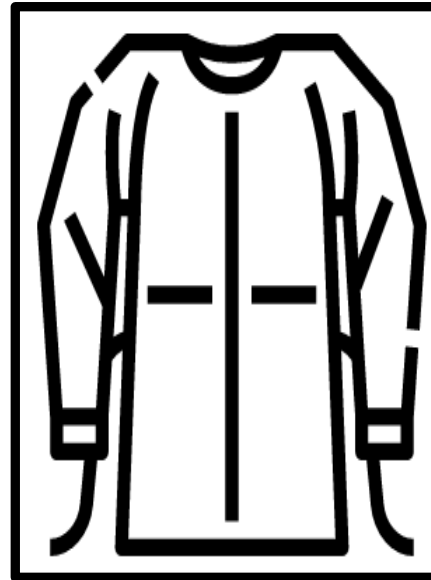


C. auris control

Prevention strategies: back to the basics



Hand Hygiene



**Transmission-based
precautions & Personal
Protective Equipment**




















*Not all products with
fungicidal claims work

**Environmental Cleaning &
Disinfection**

>30 products now EPA approved for *C. auris*

Products with EPA-registered claims for *C. auris* or *Clostridioides difficile* (List K)

CDC recommends use of an [Environmental Protection Agency \(EPA\)-registered hospital-grade disinfectant effective against *C. auris*](#). It is important to follow all manufacturers' directions for use of surface disinfectants, including applying the product for the correct contact time. Currently, products with *C. auris* claims include:

Product Name	EPA Regulatory Number
Clorox Healthcare Hydrogen Peroxide Cleaner Disinfectant¹ [PDF - 20 pages]  	67619-24
Clorox Healthcare Original Scent Hydrogen Peroxide Cleaner Disinfectant Wipes¹ [PDF - 19 pages]  	67619-25
Medline Micro-Kill Bleach Germicidal Bleach Wipes² [PDF - 37 pages]  	37549-1
Diversey Oxivir 1 Spray¹ [PDF - 20 pages]  	70627-74
Diversey Oxivir 1 Wipes¹ [PDF - 18 pages]  	70627-74
Diversey Oxivir Wipes¹ [PDF - 24 pages]  	70627-77
Diversey Avert Sporicidal Disinfectant Cleaner² [PDF - 17 pages]  	70627-72
Ecolab OxyCide Daily Disinfectant Cleaner³ [PDF - 16 pages]  	1677-237
PDI Sani-Cloth Prime⁴ [PDF - 22 pages]  	9480-12
PDI Sani-Prime Spray⁴ [PDF - 18 pages]  	9480-10
Ecolab Virasept³ [PDF - 18 pages]  	1677-226



Thank you!

ogi3@cdc.gov

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.



Next Scheduled Call

Monday, May 15
3 PM - 4 PM EDT



CDC Social Media

<https://www.facebook.com/CDC>



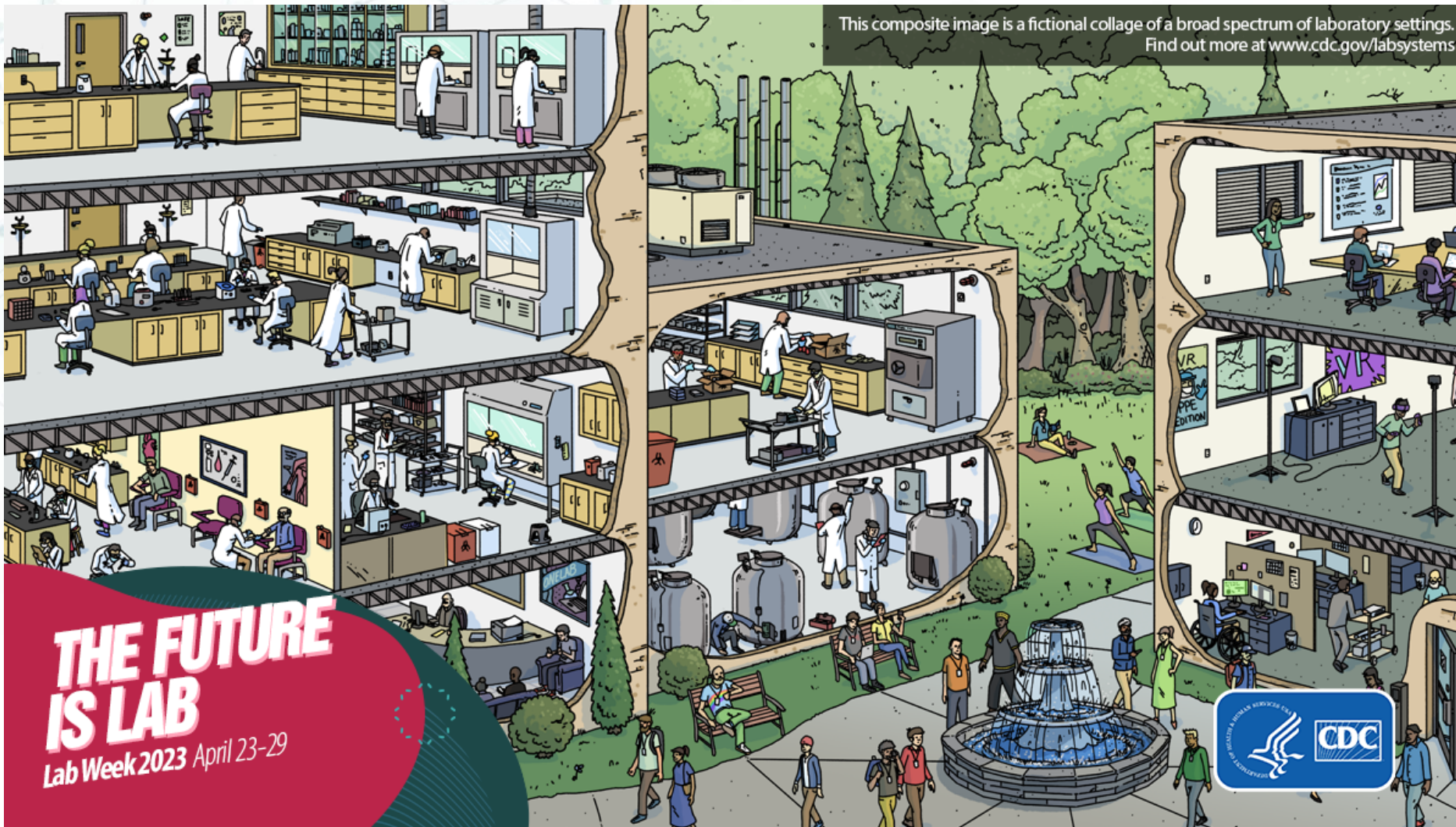
<https://twitter.com/cdcgov>

<https://www.instagram.com/cdcgov>



<https://www.linkedin.com/company/cdc>

Thank You For Your Time!





For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

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