Candida auris

Surveillance Infection Prevention

Niki McGuire – Infection Prevention Nurse MDHHS MDRO Containment Manager April 11, 2024

What is Candida auris?



A fungal yeast organism



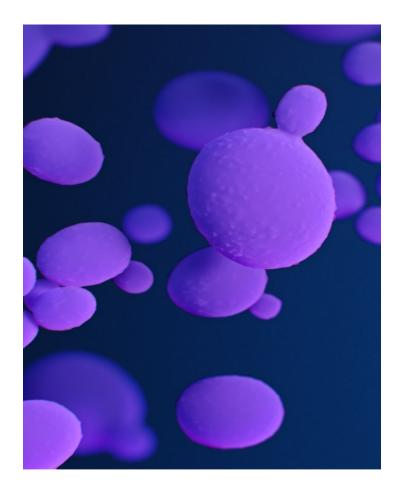
Often colonizes the skin and other body sites, but can cause invasive infections



Can be resistant to antifungal medications, sometimes multidrug-resistant



Can spread in health care settings



Surveillance

Michigan.gov/HAI

Candida auris Surveillance Report April 8, 2024

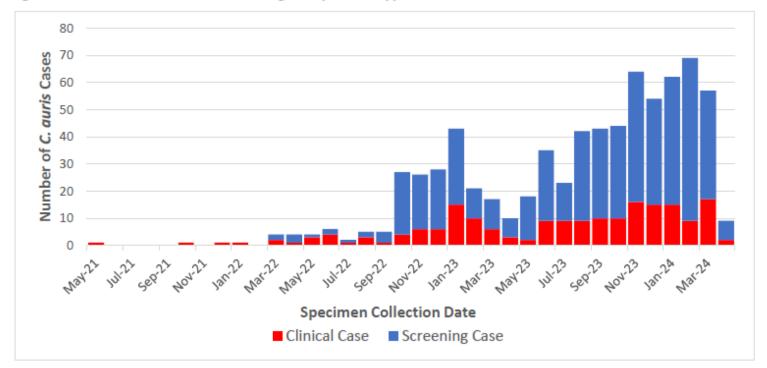


Michigan C. auris Case Count: Total Cases Clinical Case Screening Case
726 192 534

Cases initially identified as screening cases that later develop a positive clinical culture will solely be reported as a clinical case to avoid double counting the same individuals.

· 59 individuals converted from a screening to clinical case.

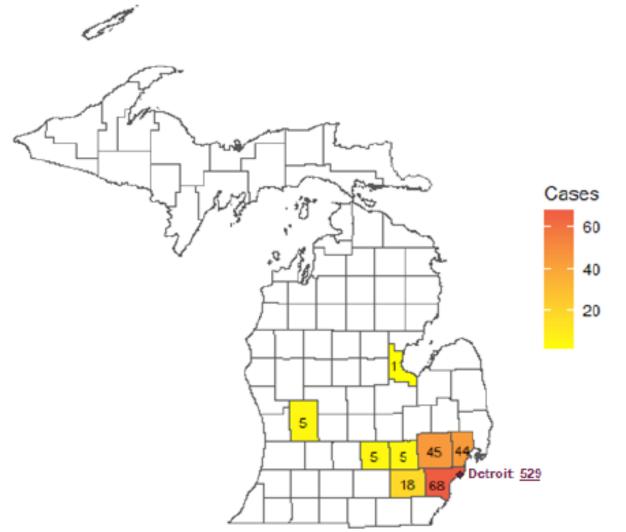
Fig 1. Candida auris Cases in Michigan by Case Type^a, 2021 - April 8, 2024



Candida auris Cases in Michigan

Michigan.gov/HAI

Fig 2. Jurisdiction of Health Care Facility at C. auris Case Detectionb

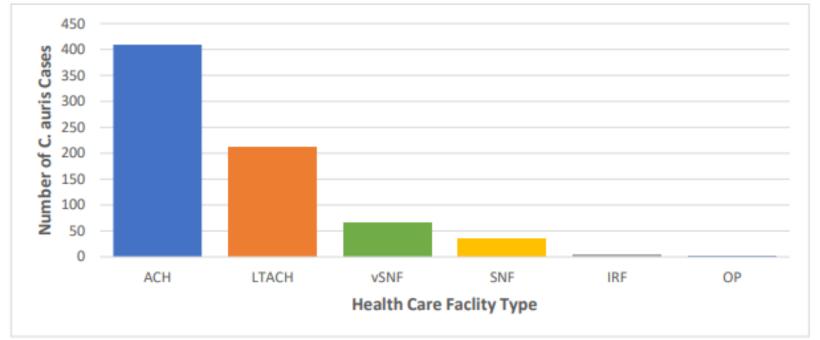


Candida
auris in
Michigan
Counties

Michigan.gov/HAI Data available as of 2/19/24

6 Cases reported from out-of-state facilities.

Fig. 3. C. auris Cases by Health Care Facility Type^c at Detection^b 450



Candida auris Cases Facility Type at Detection

Michigan.gov/HAI Data available as of 2/19/24

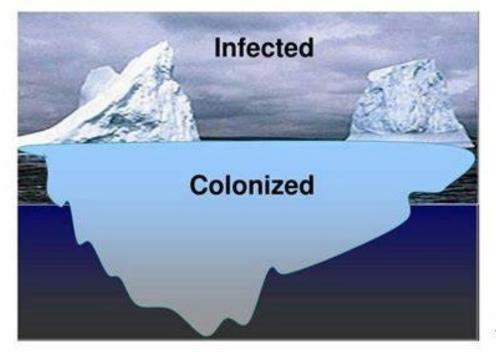
Infection Prevention

Healthcare-Associated Infections (michigan.gov)

To date, **59** individuals converted from a colonization case to a clinical case.

Colonized vs. Infected

The Iceberg Effect



Candida auris Colonization Can Lead to Spread

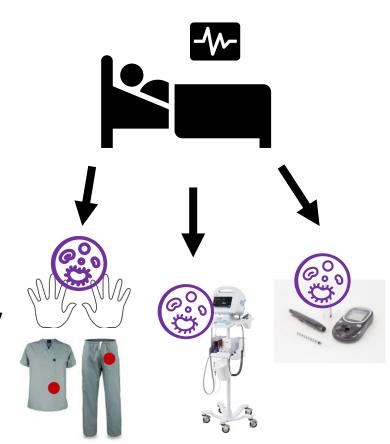
*C. auris c*olonization is a **risk for transmission** to other patients.

Shedding of *C. auris* from colonized individuals leads to contamination of the surrounding healthcare environment

C. auris can **persist** in the environment for weeks, increasing potential for transmission

Even after treatment for invasive infection, patients generally remain colonized for long periods, and perhaps indefinitely

Therefore, all recommended infection control measures should be followed during and after treatment for *C. auris* infection



Candida auris Can Contaminate the Environment







iStockphoto.com

Patient/Resident Transfers

As with any MDRO, decisions to transfer a patient/resident from one level of care to another should be based on:

- → Clinical criteria
- → Ability of the accepting facility to provide the appropriate level of care

Not on the presence or absence of *C. auris* infection or colonization

All facilities need to be prepared to implement setting-appropriate precautions

Infection Prevention Recommendations:



Hand Hygiene

- ABHS
- Location of ABHS
- Audits



Placement of ABHS

- Outside resident rooms
- Inside resident rooms
- Common areas
- Clean/Soiled areas
- Therapy gyms/rooms
- Med carts
- Entrances/Exits
- Isolation carts



Infection Prevention Recommendations:



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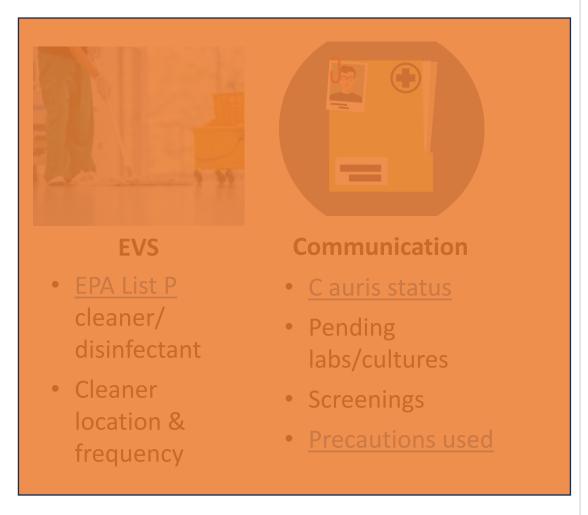


PPE

- Gowns and Gloves
- High-contact resident care

SNF: CP or EBP

ACH: CP



Personal Protective Equipment

- Availably of PPE
 - Placement just outside resident room
 - Restocking PPE supply
- Hand Hygiene when donning/doffing PPE
- Removing PPE prior to leaving the resident's room
- Proper process of donning/doffing



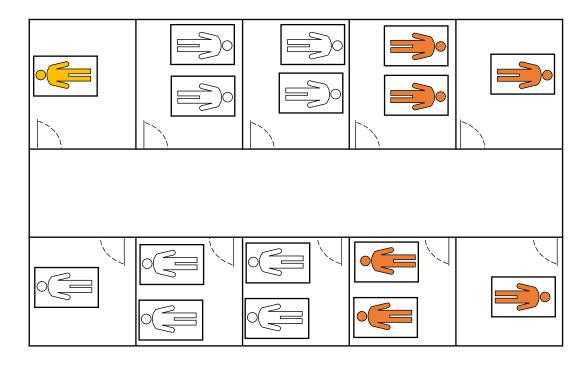
Personal Protective Equipment (PPE)

Type of Precaution	PPE	When	What Care
ENHANCED BARRIER PRECAUTIONS EVERYONE MUST: Clean their hands, including before entering and when leaving the room. PROVIDERS AND STAFF MUST ALSO: Wear gloves and a gown for the following High-Contact Resident Care Activities. Dressing Bathing-Showering Changing Linen Previding Hypiene Changing Linen Previding Hypiene Changing hier or assisting with tolleting Changing hier for assisting with tolleting Changing Linen Changing Linen Changing hier for assisting with tolleting Changing Linen Chan		Before high-contact resident care	 Dressing Bathing/showering Transferring Providing hygiene Changing linens Changing briefs or assisting with toileting Indwelling device care or use Wound care
CONTACT PRECAUTIONS EVERYONE MUST: Clean their hands, including before entering and when leaving the room. PROVIDERS AND STAFF MUST ALSO: Put on gloves before room entry, Discard gown before room exit. Do not wear the same gown and gloves for the care of more than one person. Use dedicated or disposable equipment. Clean and disinfect reusable equipment before use on another person. We dedicated or disposable equipment. Clean and disinfect reusable equipment. Clean and disinfec		Before any room entry	• Any care

Resident Placement

Contact Precautions

Single-resident room whenever possible



Enhanced Barrier Precautions

- Single-resident rooms are not required
- For facilities with capacity, singleresident rooms may be preferred
- *C. auris*-positive residents may be cohorted in the same room
- Facilities can consider a designated unit or part of unit for cohorting

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PPE

- Gowns and Gloves
- High-contact resident

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EVS

- <u>EPA List P</u> cleaner/ disinfectant
- Cleaner location & frequency



Communication

- Cauris status
- Pending labs/cultures
- Screenings
- Precautions used

Cleaning & Disinfection Plan for C. *auris*

- Clean C auris rooms last
- Increase cleaning frequency of high-touch surfaces
- Clean shared medical equipment





Effective Disinfectant Products for *C. auris*

EPA List P

https://www.epa.gov/pesticide-registration/list-pantimicrobial-products-registered-epa-claims-against-candidaauris





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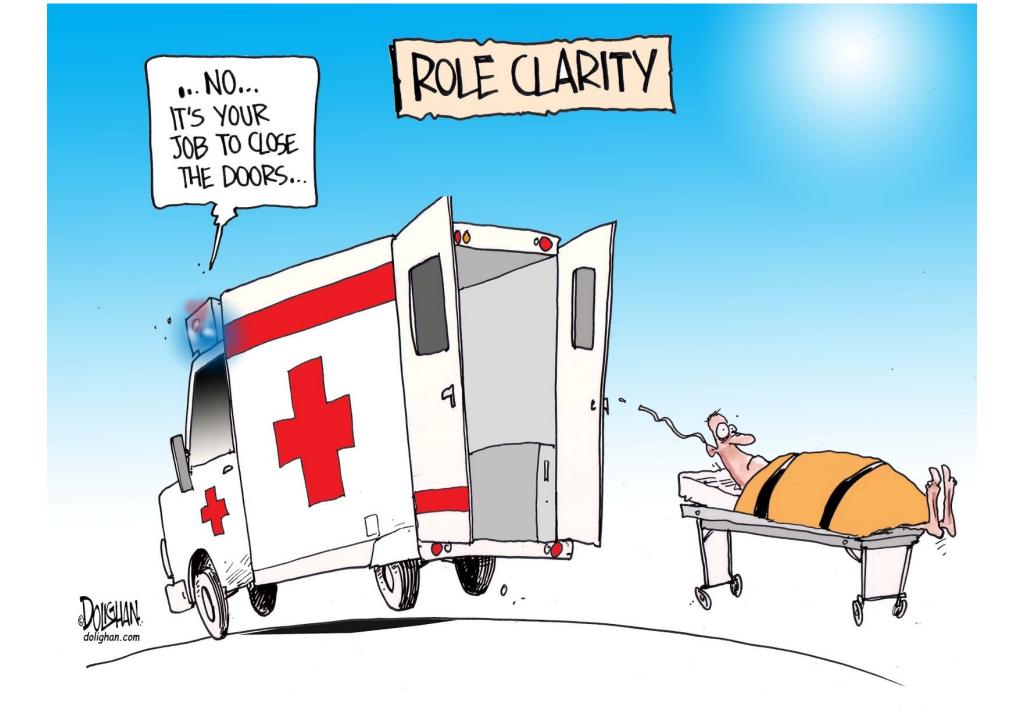
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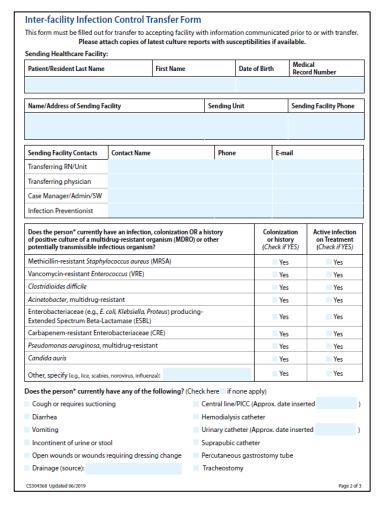


Communication

To ensure safe patient care, <u>identify strategies</u> for providing <u>effective and clear</u>

<u>verbal and written communication</u> at any care transition

- Between units (intra-facility)
- Between facilities (inter-facility)
- This includes a patient's MDRO hx and current infection status, and any pending laboratory cultures or screening tests



Communication of *C. auris* Status

When **ACCEPTING** patients/residents:

Ask about their C. auris/MDRO status

If positive, obtain a **copy of the lab report** or supporting medical records

Confirm the type of precautions needed

Ensure **all HCP are informed** of their *auris*/MDRO status

Maintain an up-to-date list of residents meeting criteria for precautions



Communication of *C. auris* Status

When **DISCHARGING** patients/residents:

Clearly state the status of C. auris and all MDROs

Current or recent infection

Colonization

Pending status (laboratory results pending or testing is needed)

Specify the type of precautions indicated

Tell HCP at the receiving facility

BOTH verbal and written communication

Utilize Inter-facility Transfer Form

	Patient Name (Last, First):		
	Date of Birth:	MRN: Transfer Da	ata:
			ate.
-1	Receiving Facility Name (if know	vn):	
	Contact Name (optional):	Contact Phone (opti	ional):
	Sending Facility Name:		
	<i>Candida auris</i> Tran	sfer Information Sheet	<u> </u>
nmedi	ately place this patient on	transmission based precautions	ed Standard*
cute Ca	re or Long-term Care Hospita	Settings: Contact Precautions only	
ursing l	Home Settings: Contact Preca	nutions or Enhanced Barrier Precautioner to health dept for more information	
-		Date of birth:	,
rotern Halli	(Last, First)	(MM/00/YYY)	- .
scharging	facility:	Date completed:	rganisms
eporter na	me:	Contact number:	en source
eporter na	me:		n source,
	me:atient was identified with <i>Candida</i>	Contact number:	en source,
This p	atient was identified with Candida fection: Identification during clinical tes	Contact number: (xxx.xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	en source,
This p	atient was identified with Candida fection: Identification during clinical tes This infection has been treated	Contact number: (xxx.xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	
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Healthcare-Associated Infections



Keeping Michigan Healthy > Communicable & Chronic Diseases > Healthcare-Associated Infections



Surveillance for Healthcare-Associated & Resistant Pathogens (SHARP) Unit **Contact Information:**

Website: <a>Michigan.gov/HAI *

Phone: **517-335-8165** (Mon. - Fri. 8am - 5pm)

Email: MDHHS-SHARP@michigan.gov

Fax: 517- 335-8263

SHARP Staff Contact Information

*Subscribe to the SHARP Unit's Listserv