

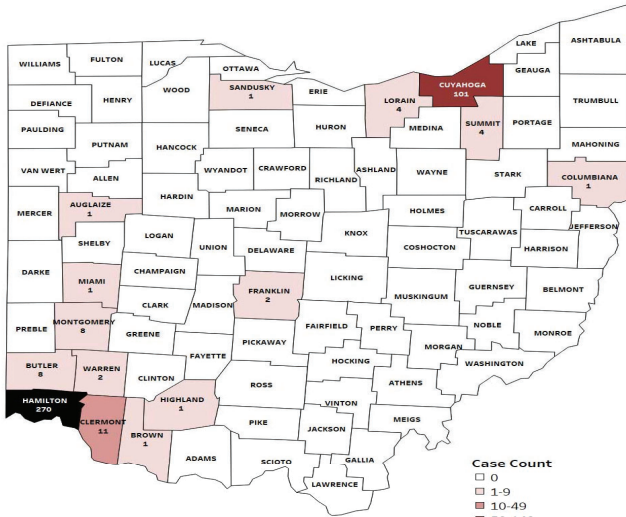
# March 2023

The EpiGram is a monthly publication of the Stark County Reportable and Emerging Disease Network (REDNET). It contains a summary of provisional communicable disease reports and other key public health indicators, with summary tables for each of the four local health department jurisdictions. Some reportable conditions may be under investigation and, at any given time, data may fluctuate from month to month for a specific category. If you have any questions, please contact Julianna Smith at 330.451.1650 or [smithj@starkhealth.org](mailto:smithj@starkhealth.org), Cassie Johnson at 330.451.1688 or [johnsonc@starkhealth.org](mailto:johnsonc@starkhealth.org) or Kaelyn Boyd at 234.458.5135 or [kboyd@cantonhealth.org](mailto:kboyd@cantonhealth.org).



## Monthly Highlight: *Candida auris*

Number of *Candida auris* cases through March 16, 2023  
(includes clinical and screening cases)



Total Case Count = 416

County reflects county of facility where specimen was collected. All data are preliminary and subject to change. Source: Ohio Disease Reporting System

*Candida auris* is a fungus that grows as yeast that can cause different types of infections based on the location on the body. *C. auris* is an emerging fungal disease taking place in healthcare settings, including long-term care facilities. Due to patients already receiving treatment for other illnesses, *C. auris* is often unidentified. The CDC is regarding *C. auris* as an emerging antimicrobial resistance threat due to its resistance to antifungal drugs, ability to spread easily among healthcare facilities, and its ability to cause severe infections with high death rates.

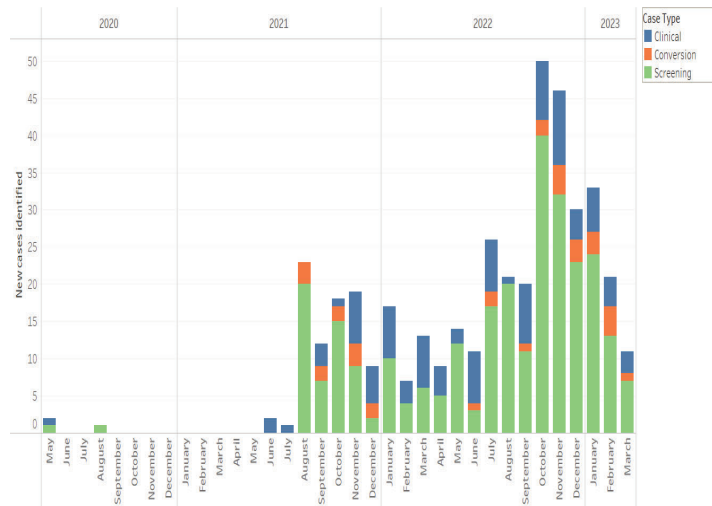
Since the first report in 2016, *C. auris* has been seen to increase yearly, with a rapid uptick in 2020-2021 and a continuous increase shown in 2022. This increase is contributed to poor general infection prevention and control practices in healthcare facilities, which may be due to strain on healthcare systems during the COVID-19 pandemic.

Data includes both clinical and screening cases. Clinical cases are identified by collection of specimens

during clinical care. Screening cases are identified by swabbing for colonization without signs of active infection. If a screening case is late identified as a clinical case, they are counted as “conversion”.

Consultation with an infectious disease specialist is recommended when caring for patients with *C. auris* infection. Most strains are susceptible to echinocandins, though resistance is increasing for these treatments, as the organism is seen to develop resistance quickly. Those on antifungals should be monitored carefully. Invasive medical devices are a pathway for the organism, and any care should include strict insertion and maintenance practices. Contact precautions or Enhanced Barrier Precautions should be used for those with *C. auris*. For more information on *Candida auris*

*Candida auris* Cases in Ohio by Date Specimen Collected through March 16, 2023\*



\*All data are preliminary and subject to change. Source: Ohio Disease Reporting System

[Candida auris](#) | [Candida auris](#) | [Fungal Diseases](#) | [CDC](#)

[Candida auris](#) | [Ohio Department of Health](#)

**Table 2: Select Vital Statistics for Stark County**

	March 2023	YTD 2023	2022
Live Births	306	913	3,851
Births to Teens	14	46	183
Deaths	403	1228	4,807

\* Birth and death data is preliminary.

**Table 3: Stark County Crude Birth Rate and Death Rates**

	2018	2019	2020	2021*	2022*
Birth	10.9	11.0	10.5	10.5	10.3
Death	11.8	12.0	14.1	14.5	12.8

\*Source: Data Ohio. Rates are per 1,000 population. 2021 and 2022 data is preliminary.

**Table 1 Summary of Air Quality Index, Pollen, and Mold Counts for Stark County, Ohio, including historical data.**

	March 2023				April 2022			
	Monthly High	Monthly Low	Monthly Median	Counts in highest reported health risk category	Monthly High	Monthly Low	Monthly Median	Counts in highest reported health risk category
Pollen Count	Data collected seasonally and currently not available.				191	5	24	N/A
Mold Count					3700	300	1225	N/A
Air Quality Index	65	33	45	Good	57	27	40	Good

\*\*See the following websites for updated Air Quality Index and mold index terminology and color coding: <http://www.airnow.gov/index.cfm?action=aqibasics.aqi>  
<https://pollen.aaaai.org/#/pages/reading-the-levels>. Data source for this table is the Air Quality Division of the Canton City Health Department.

Jurisdictional Summary of Select Reportable Conditions in Stark County, OH (Provisional Data)	Alliance City		Canton City		Massillon City		Stark County		All Departments	
	Mar	YTD	Mar	YTD	Mar	YTD	Mar	YTD	Mar	YTD
Campylobacteriosis	0	1	1	2	0	1	4	9	5	13
Chlamydia infection	9	39	67	197	12	35	43	147	131	418
COVID-19 (call health department immediately)	65	275	246	647	86	253	765	1987	1162	3162
CP-CRE	1	1	1	4	0	1	3	5	5	11
Cryptosporidiosis	1	1	0	0	0	0	1	5	2	6
E. coli, Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	0	0	0	0	0	0	1	2	1	2
Giardiasis	1	1	0	0	0	0	0	1	1	2
Gonococcal infection	3	8	37	114	4	8	15	36	59	166
Haemophilus influenzae (invasive disease)	0	0	0	0	0	1	2	5	2	6
Hepatitis B (including delta) - chronic	0	0	0	1	0	1	0	3	0	5
Hepatitis C - acute	0	0	0	1	0	0	0	0	0	1
Hepatitis C - chronic	3	8	6	21	3	7	4	10	16	46
Hepatitis C - Perinatal Infection	0	0	0	0	0	0	1	1	1	1
Influenza-associated hospitalization	0	4	0	27	0	8	3	53	3	92
Listeriosis	0	0	0	0	0	0	1	1	1	1
Lyme Disease	0	0	0	0	0	0	0	2	0	2
Meningitis - aseptic/viral	0	0	0	1	0	0	0	0	0	1
Mumps	0	0	0	0	0	1	0	0	0	1
Pertussis	0	0	0	0	0	0	0	3	0	3
Salmonellosis	0	1	0	3	0	1	1	4	1	9
Shigellosis	0	0	0	1	0	0	2	3	2	4
Streptococcal - Group A -invasive	1	2	0	3	0	0	2	8	3	13
Streptococcus pneumoniae - invasive antibiotic resistance unknown or non-resistant	0	0	0	1	1	2	3	7	4	10
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate	0	0	0	0	0	0	0	1	0	1
Syphilis, Total	0	1	4	15	1	4	3	8	8	28
Syphilis, Primary, Secondary and Early Latent	0	1	4	12	0	2	3	6	7	21
Toxic shock syndrome (TSS)	0	0	0	0	0	0	0	1	0	1
Tuberculosis	0	0	0	0	0	1	0	1	0	2
Varicella	0	0	0	1	0	0	0	0	0	1
Yersiniosis	0	0	0	1	0	0	1	2	1	3
<b>Total</b>	<b>84</b>	<b>343</b>	<b>366</b>	<b>1052</b>	<b>107</b>	<b>326</b>	<b>858</b>	<b>2311</b>	<b>1415</b>	<b>4032</b>

Source: Ohio Disease Reporting System, downloaded 4/6/2023.



Summary Table of Select Reportable Conditions Reported in the Previous 5 years within Stark County, OH (Provisional Data)	March 2023	March 2022	YTD 2023	YTD 2022	All of 2022	5 Year Annual Average	Rate
Anaplasmosis	0	0	0	0	1	0.4	0.11
Babesiosis	0	0	0	0	1	0.2	0.05
Campylobacteriosis	5	3	13	11	71	70.0	18.83
Chlamydia	131	136	418	409	1672	1692.8	455.46
CP-CRE	5	4	11	9	22	15.2	4.09
COVID-19 (call health department immediately)	1162	307	3162	16232	32266	19153.0	5153.29
Cryptosporidiosis	2	2	6	4	18	27.0	7.26
Cyclosporiasis	0	0	0	0	1	4.2	1.13
Ehrlichiosis-Ehrlichia chaffeensis	0	0	0	0	1	0.2	0.05
E. coli, Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	1	0	2	0	10	11.8	3.17
Giardiasis	1	0	2	0	7	10.8	2.91
Gonorrhea	59	60	166	200	767	715.0	192.38
Haemophilus influenzae , Invasive	2	1	6	3	12	6.8	1.83
Hepatitis A	0	0	0	0	1	6.8	1.83
Hepatitis B, Acute	0	0	0	0	2	5.2	1.40
Hepatitis B, Chronic	0	1	5	7	29	36.0	9.69
Hepatitis C, Acute	0	0	1	3	7	7.0	1.88
Hepatitis C, Chronic	16	23	46	60	185	235.6	63.39
Hepatitis C - Perinatal Infection	1	0	1	0	1	0.8	0.22
Influenza-associated hospitalization	3	54	92	59	327	334.6	90.03
LaCrosse virus disease	0	0	0	0	1	1.2	0.32
Legionellosis	0	0	0	3	28	27.8	7.48
Listeriosis	1	0	1	0	3	1.2	0.32
Lyme Disease	0	3	2	6	28	22.4	6.03
Malaria	0	0	0	0	2	0.4	0.11
Meningitis, Aseptic	0	2	1	2	14	20.6	5.54
Meningococcal disease- Neisseria meningitidis (call health department immediately)	0	0	0	0	1	0.2	0.05
Meningitis, Other Bacterial	0	0	0	1	1	2.0	0.54
Monkeypox	0	0	0	0	8	1.6	0.43
MIS-C associated with COVID-19 (call health department immediately)	0	2	0	5	5	3.2	0.86
Mumps	0	0	1	0	0	0.4	0.11
Pertussis	0	0	3	0	0	21.8	5.87
Salmonellosis	1	4	9	9	47	45.6	12.27
Shigellosis	2	1	4	3	13	13.2	3.55
Spotted Fever Rickettsiosis	0	0	0	1	1	0.6	0.16
Streptococcal Dis, Group A, Invasive	3	2	13	7	20	15.4	4.14
Streptococcal Dis, Group B, in Newborn	0	0	0	1	1	1.4	0.38
Streptococcal toxic shock syndrome (STSS)	0	0	0	0	1	0.2	0.05
Streptococcus pneumoniae - inv antibiotic resistance unknown or non-resistant	4	0	10	7	20	20.0	5.38
Streptococcus pneumo - inv antibiotic resistant/intermediate	0	2	1	6	18	11.4	3.07
Syphilis, Total	8	14	28	29	113	57.6	15.50
Syphilis, Primary, Secondary and Early Latent	7	10	21	23	84	41.4	11.14
Toxic shock syndrome (TSS)	0	0	1	0	0	N/A	N/A
Tuberculosis	0	0	2	0	0	1.6	0.43
Varicella	0	2	1	2	4	12.6	3.39

Source: Ohio Disease Reporting System, downloaded 4/6/2023. Rates are per 100K population and based on 5 yr. average incidence 2018-2022.