

Superbugs Are Here. The Time to Act is Now.

Antibiotic-resistant infections contributed to nearly **5 million** deaths in 2019. In 2020, hospital-onset drug-resistant infections and deaths jumped **15%** as COVID-19 erased years of progress in the fight against superbugs. **In 2023 alone, at least four superbug outbreaks have gripped the attention of health experts, the media, and the public. The time to act is now.**

Candida auris

Candida auris is a fungus that can cause serious bloodstream, skin, and other infections and is often multi-drug resistant. Candida auris has caused outbreaks in healthcare settings.



In 2021, there were nearly **1,500** clinical cases of Candida auris in the United States – more than a **300%** increase since 2019.

Candida auris cases resistant to echinocandins – the most commonly prescribed antifungal for such infections – **tripled** in 2021.



Tuesday, March 21, 2023

'Urgent threat': CDC warns against Candida auris, a drug-resistant fungus invading health care facilities

Pseudomonas aeruginosa

Pseudomonas aeruginosa is a strain of bacteria that can cause infections in the lung or blood or other parts of the body post-surgery and is often drug-resistant.



In 2017, Pseudomonas aeruginosa caused approximately **32,600** infections among hospitalized patients in the United States and roughly **2,700** deaths.

This year, contaminated eyedrops caused severe Pseudomonas aeruginosa infections in at least **68** patients in 16 states, including 8 who suffered permanent vision loss, 4 who needed surgical removal of their eyeball, and 3 deaths.



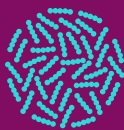
AP

February 3, 2023

Eye drops recalled after US drug-resistant bacteria outbreak

Shigella

Shigella are bacteria that cause the infection shigellosis, which often manifests itself as a stomach bug. Extensively drug-resistant strains of shigella are on the rise.



Shigella cause nearly **half a million** infections in the United States each year.

5% of Shigella cases in 2022 were extensively drug-resistant -- up from **0%** in 2015.



NEWS

March 1, 2023

CDC warns about the rise in almost untreatable Shigella bacterial infections

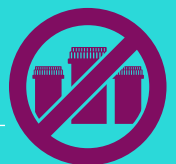
Gonorrhea

Gonorrhea is a sexually transmitted disease (STD) caused by infections from the bacterium Neisseria gonorrhoeae.



In 2018, there were approximately **1.6 million** new Gonorrhea-related infections in the United States.

This year, health officials identified, for the first time in the United States, two cases of gonorrhea that were **resistant to nearly every antibiotic** available to treat the infection.



THE WALL STREET JOURNAL.

Sunday, January 29, 2023

New 'Superbug' Strain of Gonorrhea Is Outsmarting Most Antibiotics

Superbugs Are Here. The Time to Act is Now.

FRIDAY, FEBRUARY 3, 2023

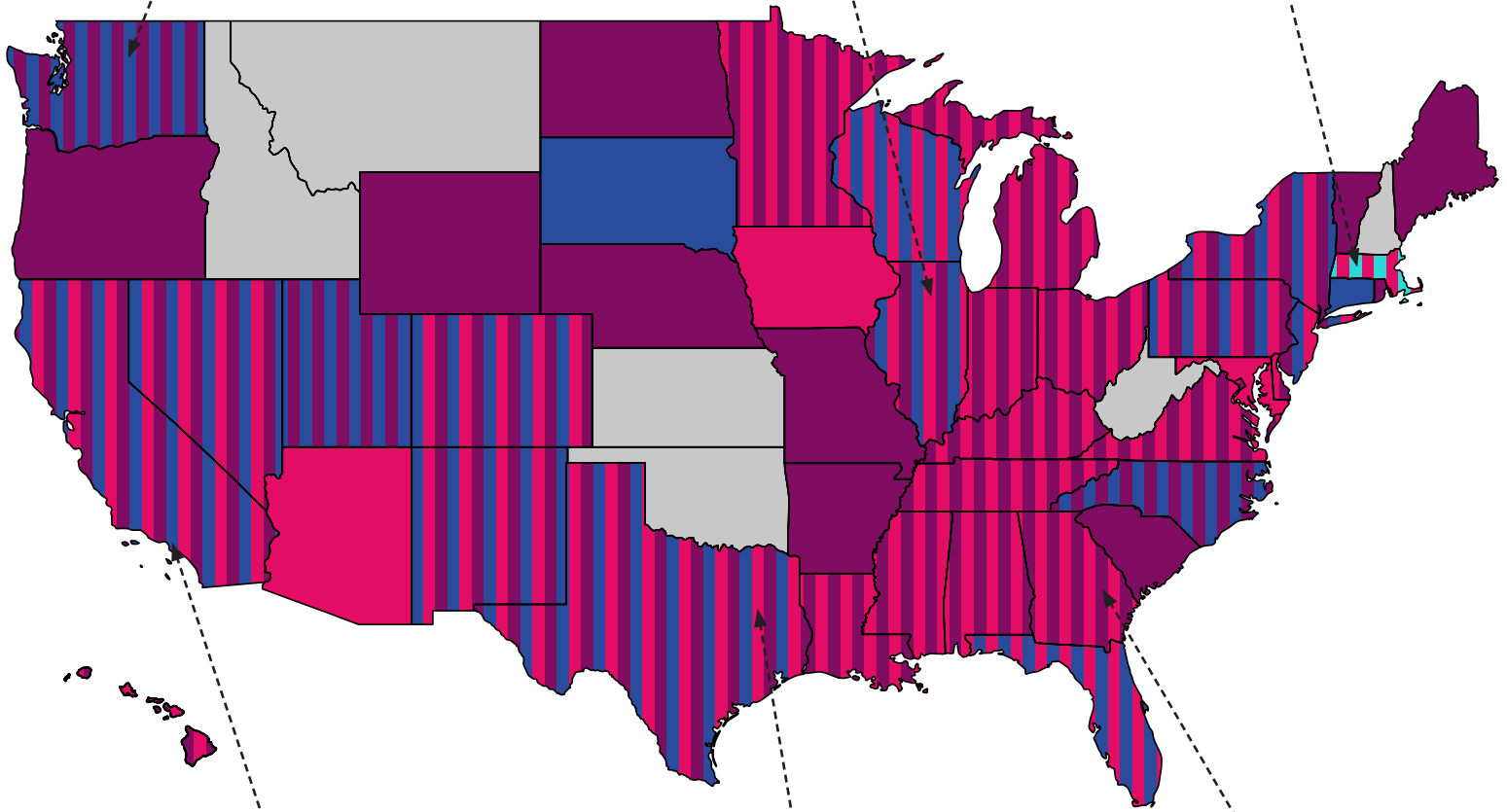
Snohomish County man dies from infection likely caused by eye drops

FRIDAY, MARCH 24, 2023

As a deadly fungus spreads across the country, is Illinois prepared?

THURSDAY, JANUARY 19, 2023

Massachusetts detects gonorrhea strain showing resistance to nearly all antibiotics used to treat it



THURSDAY, FEBRUARY 2, 2023

4 cases of bacterial infection potentially linked to eye drops found in L.A. County

Monday, February 20, 2023

In HBO's 'The Last of Us,' a fungus destroys the world. Could that really happen?

Friday, March 17, 2023

This antibiotic-resistant bacteria is on the rise, and the CDC is worried

LEGEND

Clinical cases of *Candida auris* as of December 2022

Cases of *Pseudomonas aeruginosa* as of March 2023

Cases of Shigella resistant to azithromycin, ciprofloxacin, ceftriaxone, trimethoprim-sulfamethoxazole, and/or ampicillin in 2022

Cases of extensively drug-resistant gonorrhea as of April 2023