

The True Cost of an MDRO Outbreak



Multidrug-resistant organisms (MDROs) continue to develop and spread in health care settings. About **50 percent of nursing home residents** are colonized (Carrying the germ without symptoms) by at least one MDRO. This is expected in any type of outbreak. Some MDROs are impossible to treat. MDROs are so difficult to remove that even after enhanced cleaning, they can be detected at a **rate of over 13 percent¹**. More than **2.8 million people** are infected with an MDRO every year.

What Can an MDRO Outbreak Look Like?

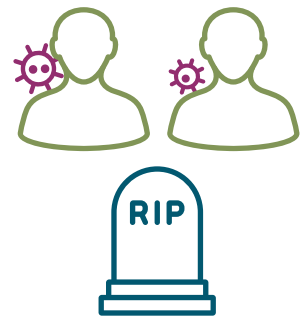
In a model of a *C. auris* outbreak using Washington cost data for a nursing home that is not using Enhanced Barrier Precautions (EBP), the impacts of MDROs in nursing homes can be devastating:



**STAFFING
NEEDS
DOUBLED**



COSTS TRIPLED
compared to the expense
of an Enhanced Barrier
Precautions (EBP) strategy



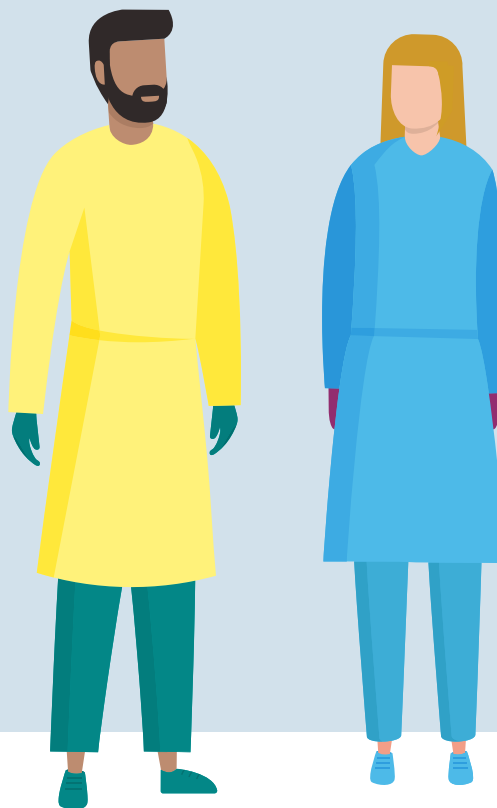
Mortality rate of
**1 OUT OF 3
INFECTED
PEOPLE²**

¹ Huang J, Cui C, Zhou S, Chen M, Wu H, Jin R, Chen X. Impact of multicenter unified enhanced environmental cleaning and disinfection measures on nosocomial infections among patients in intensive care units. *J Int Med Res.* 2020 Aug;48(8):300060520949766. doi: 10.1177/0300060520949766. PMID: 32820692; PMCID: PMC7444124.

² Benedict, K., Forsberg, K., Gold, J., Baggs, J., & Lyman, M. (2023). *Candida auris*-Associated Hospitalizations, United States, 2017–2022. *Emerging Infectious Diseases*, 29(7), 1485–1487. <https://doi.org/10.3201/eid2907.230540>.

What are Enhanced Barrier Precautions?

An infection prevention strategy called Enhanced Barrier Precautions (EBP) can help your nursing home prevent MDRO outbreaks. **EBP focuses on the targeted use of clean gowns and gloves when performing high-contact care activities with residents who are known to have, or are at increased risk of carrying an MDRO.** Residents can be a source of transmission for their entire stay at a nursing home³.



High-contact activities can include:



DRESSING



BATHING



TRANSFERRING



PROVIDING HYGIENE



CHANGING LINENS



WOUND CARE



**INDWELLING MEDICAL
DEVICE CARE**



**ASSISTING IN TOILETING
OR CHANGING BRIEFS**

³Centers for Disease Control and Prevention. (2023, August 1). Implementation of Personal Protective Equipment (PPE) use in nursing homes to prevent spread of multidrug-resistant organisms (mdros). Centers for Disease Control and Prevention. <https://www.cdc.gov/hai/containment/PPE-Nursing-Homes.html>