



HHS Public Access

Author manuscript

N Engl J Med. Author manuscript; available in PMC 2021 March 19.

Published in final edited form as:

N Engl J Med. 2019 March 14; 380(11): 1085–1086. doi:10.1056/NEJMc1817140.

Changes in Prevalence of Health Care–Associated Infections

Shelley S. Magill, M.D., Ph.D., Erin O’Leary, M.P.H., Jonathan R. Edwards, M.Stat. Emerging Infections Program Healthcare-Associated Infections and Antimicrobial Use Hospital Prevalence Survey Team

Centers for Disease Control and Prevention, Atlanta, GA

the authors reply:

We agree with Chaturvedi and Ostrosky-Zeichner that *Candida* species are important health care–associated pathogens. The Emerging Infections Program of the Centers for Disease Control and Prevention has conducted population-based candidemia surveillance in metropolitan Atlanta and Baltimore since 2008. Although the incidence of candidemia decreased from 2008 through 2013, resistance to echinocandins and multidrug resistance increased.¹ Data from our hospital surveys affirm that *Candida* species are common causes of health care–associated infections,² and there was no significant difference in the percentage of patients with infections caused by *Candida* species in 2011 (32 of 504, 6.3%) and 2015 (26 of 427, 6.1%) ($P=0.87$ according to mid-P exact test). Among all patients surveyed, there was no significant difference in the percentage with a health care–associated infection due to *Candida* species in 2011 (31 of 11,282, 0.27%) and 2015 (25 of 12,299, 0.20%) ($P=0.26$ according to mid-P exact test). Changes in the incidence of *Candida* infections and the prevalence of antifungal resistance should be closely monitored, and more information is needed regarding the most effective approaches to the prevention of *Candida* infections in health care facilities, particularly those infections caused by resistant and transmissible yeasts such as *C. auris*.

References

1. Cleveland AA, Harrison LH, Farley MM, et al. Declining incidence of candidemia and the shifting epidemiology of *Candida* resistance in two US metropolitan areas, 2008–2013: results from population-based surveillance. *PLoS One* 2015;10(3):e0120452. [PubMed: 25822249]
2. Magill SS, Edwards JR, Bamberg W, et al. Multistate point-prevalence survey of health care–associated infections. *N Engl J Med* 2014;370:1198–208. [PubMed: 24670166]

smagill@cdc.gov.

Since publication of their article, the authors report no further potential conflict of interest.