

# Burden of *Clostridioides difficile* infection down in the U.S.

April 2 2020

---



(HealthDay)—From 2011 to 2017, there was a decrease in the estimated

national burden of *Clostridium difficile* infection, according to a study published in the April 2 issue of the *New England Journal of Medicine*.

Alice Y. Guh, M.D., M.P.H., from the U.S. Centers for Disease Control and Prevention in Atlanta, and colleagues estimated the national burden of *C. difficile* infection, first recurrences, hospitalizations, and in-hospital deaths from 2011 through 2017 using case and census sampling weights.

The researchers found that the number of *C. difficile* infections in 10 U.S. sites was 15,461 in 2011 (10,177 [health care](#)-associated cases; 5,284 community-associated cases) and 15,512 in 2017 (7,973 health care-associated cases; 7,539 community-associated cases). The estimated national burden of *C. difficile* infection was 476,400 and 462,100 cases in 2011 and 2017, respectively. With accounting for use of nucleic acid amplification tests, there was a 24 percent decrease in the adjusted estimate of the total burden of *C. difficile* infection from 2011 to 2017; a 36 percent decrease was seen in the adjusted estimate of the national burden of health care-associated *C. difficile* infection, while no change was noted in the national burden of community-associated *C. difficile* infection. A 24 percent decrease was seen in the adjusted estimate of the burden of hospitalizations for *C. difficile* infection.

"Continued efforts are needed to improve [infection](#) prevention and diagnostic and antibiotic stewardship in both inpatient and outpatient settings," the authors write.

Several authors disclosed financial ties to the biopharmaceutical industry.

**More information:** [Abstract/Full Text \(subscription or payment may be required\)](#)

Copyright © 2020 [HealthDay](#). All rights reserved.

Citation: Burden of Clostridioides difficile infection down in the U.S. (2020, April 2) retrieved 25 April 2024 from

<https://medicalxpress.com/news/2020-04-burden-clostridioides-difficile-infection.html>

<p>This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.</p>
--