

CDC's Ongoing Efforts to 'Make C. diff Count'

April 20, 2020

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CLOSTRIDIoidES DIFFICILE

THREAT LEVEL **URGENT**



223,900
Estimated cases
in hospitalized
patients in 2017



12,800
Estimated
deaths in 2017



\$1B
Estimated attributable
healthcare costs in 2017

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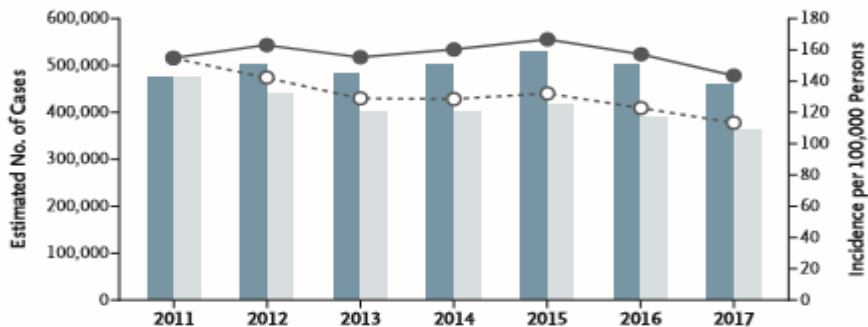
Resistant germ	Threat Estimate, 2019 report	What CDC Counted, 2019 report	What CDC Did Not Count, 2019 report	Threat Estimate, 2013 report	New 2013 Threat Estimate, 2019 report	Can Data be Compared? 2013 vs 2019 reports	Year-to-Year Comparison Provided, 2019 report	Resistant Infection Increase/Decrease, 2019 report
<i>Clostridioides difficile</i>	223,900 estimated cases in hospitalized patients & 12,800 deaths	Infections requiring hospitalizations or in already hospitalized patients	Non-hospitalized Infections	250,000 infections & 14,000 deaths	N/A	No	Cases over time from 2012-2017	↓ Decrease*

ORIGINAL ARTICLE

Trends in U.S. Burden of *Clostridioides difficile* Infection and Outcomes

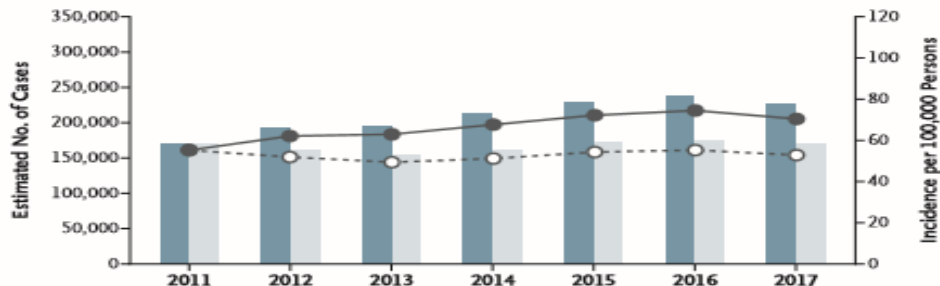
A.Y. Guh, Y. Mu, L.G. Winston, H. Johnston, D. Olson, M.M. Farley, L.E. Wilson, S.M. Holzbauer, E.C. Phipps, G.K. Dumyati, Z.G. Beldavs, M.A. Kainer, M. Karlsson, D.N. Gerding, and L.C. McDonald, for the Emerging Infections Program *Clostridioides difficile* Infection Working Group*

C Total CDI



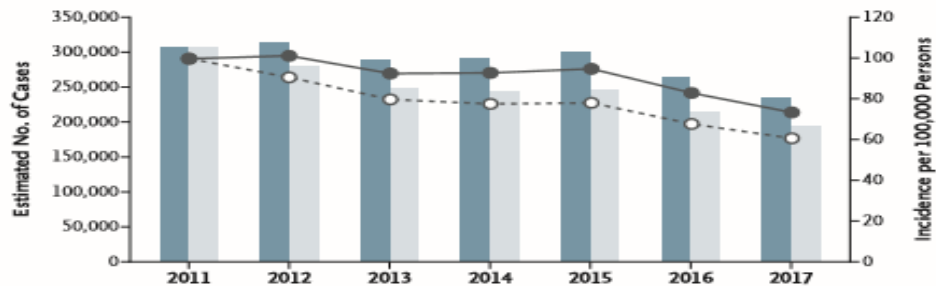
Actual burden estimate	476,400	505,700	485,100	505,000	529,700	502,200	462,100
Adjusted burden estimate	476,400	441,600	402,900	405,100	419,800	392,000	365,200
Actual incidence estimate	154.89	163.14	155.38	160.35	166.87	157.35	143.61
Adjusted incidence estimate	154.89	142.47	129.06	128.65	132.26	122.81	113.48

A Community-Associated CDI



Actual burden estimate	170,000	192,500	196,700	213,100	229,300	237,800	226,400
Adjusted burden estimate	170,000	161,100	154,300	161,200	172,300	176,300	170,300
Actual incidence estimate	55.26	62.12	62.99	67.67	72.24	74.49	70.36
Adjusted incidence estimate	55.26	51.96	49.42	51.18	54.29	55.23	52.91

B Health Care–Associated CDI



Actual burden estimate	306,500	313,100	288,400	291,900	300,400	264,400	235,700
Adjusted burden estimate	306,500	280,600	248,600	244,000	247,500	215,700	194,900
Actual incidence estimate	99.63	101.02	92.39	92.68	94.63	82.86	73.25
Adjusted incidence estimate	99.63	90.51	79.64	77.47	77.97	67.59	60.57

AR&PSP CDI Page: Updated Hero Stat

C. difficile Infections

Healthcare facilities report regularly the number of particular healthcare-associated infections that occur within their facilities. This number reflects hospitalized patients with C. difficile infection, including community-onset and hospital-onset infections, across US general acute care hospitals as reported to NHSN.

HOSPITALS REPORTED [📄](#)

3,669 general acute care hospitals reported in 2018

REPORTED C. DIFFICILE INFECTIONS AMONG HOSPITALIZED PATIENTS [📄](#)

196,969 C. difficile infections in 2018

CHANGES OVER TIME [📄](#)

29% significant decrease in SIR from 2015 national baseline to 2018 (lower SIRs are better)

CDI Cases: State Map

CDI SIR AND HOSPITALIZED INFECTIONS BY STATE MAP

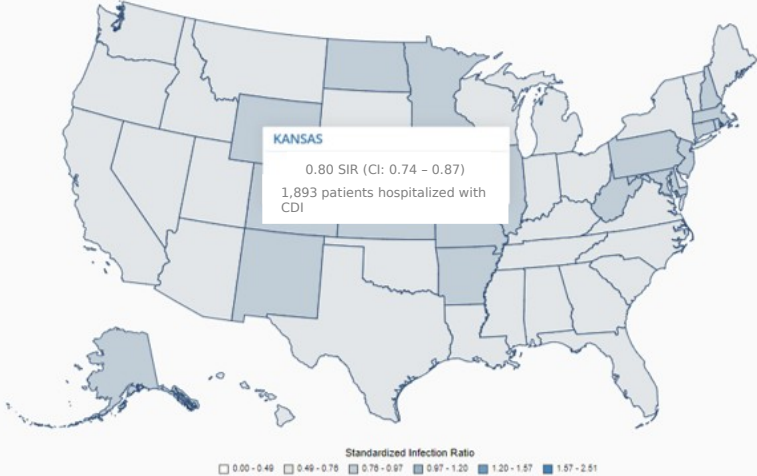
YEAR
2018

HOSPITAL TYPE
General Acute Care Hospitals

This map displays State-level SIRs and the variation in the number of patients hospitalized with C. difficile infections across the U.S. for general acute care hospitals in 2018.



[VIEW DATA](#) [SAVE IMAGE](#) [SHARE](#)



Methods Information

- Updated AR&PSP CDI page with counts information in addition to sharing Standardized Infection Ratio (SIR)
- Hospitalized infections calculations:
 - Hospital Onset CDI infections + Community Onset inpatient infections

Questions ?

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

