

C. DIFFICILE INFECTION (CDI)

A VICIOUS CYCLE OF RECURRENCE THAT RESULTS IN A SIGNIFICANT BURDEN^{1,2}

PATIENT BURDEN

Approximately half a million CDI cases in the United States annually^{1,3}



Recurrence: Up to **35%**^{1,2,a}

Subsequent recurrence:
Up to **65%**^{4,5}



Physical and psychological

From a 2017 study that surveyed patients with CDI or rCDI, a majority of 350 patients reported physical and psychological symptoms⁶

41% believed they would never get rid of post-CDI symptoms⁶

^aWithin 8 weeks after initial CDI diagnosis.

RELATED COMPLICATIONS INCLUDE



Sepsis: 27%^{7,b}



Colectomy: 7%^{7,b}



Mortality:

6% in patients with index CDI at 30 days¹

25% in Medicare patients with rCDI at 12 months⁸

^bLongitudinal, retrospective study of the US PharMetrics Plus™ database reported on complications of CDI recurrence over 1 year (N=46,571) from a single referral center.

ASSOCIATED COMORBIDITIES INCLUDE



Heart failure: 43%^{9,c}



Anxiety: 13.9%^{10,d}



Depression: 15.3%^{10,d}

^cA retrospective study of a Medicare claims analysis of patients with CDI (N=268,762).

^d12-month follow-up of retrospective cohort study at first recurrence (N=38,163).

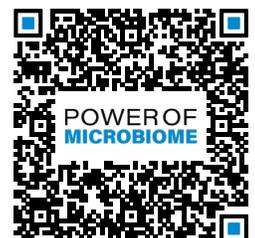
HOSPITAL BURDEN

rCDI affects patient quality of life and hospital quality metrics and reimbursement

- **Up to 84% of all patients with rCDI were hospitalized** within a year in a single center study¹¹
- **Up to 85% of all patients with rCDI were readmitted** within a year in a single center study¹²
- **Hospitalizations averaged 18 days** for patients with rCDI in a single center study of Medicare patients >65 years of age⁹
- **\$131K to \$207K in total direct costs** per patient with rCDI within a year in a study of state institutional databases¹³
- **A -\$3K to -\$29K gap existed in reimbursement** per patient with rCDI in a study of state institutional databases¹⁴

According to the CDC, CDI is classified as an immediate public health threat that requires your urgent and aggressive action¹⁵

LEARN MORE ABOUT BREAKING THE CYCLE OF *C. DIFFICILE* RECURRENCE AT POWEROFMICROBIOME.COM



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References: **1.** Lessa FC, et al. *N Engl J Med*. 2015;372(9):825-834. **2.** Cornely OA, et al. *Clin Infect Dis*. 2012;55(suppl 2):S154-S161. **3.** Guh AY, et al. *N Engl J Med*. 2020;382(14):1320-1330. **4.** Kelly CP. *Clin Microbiol Infect*. 2012;18(suppl 6):21-27. **5.** Smits WK, et al. *Nat Rev Dis Primers*. 2016;2:16020. **6.** Lurienne L, et al. *J Patient Rep Outcomes*. 2020;4(1):14. **7.** Feuerstadt P, et al. *SAGE Open Med*. 2021;9:2050312120986733. **8.** Feuerstadt P, et al. *J Am Med Dir Assoc*. 2022;S1525-8610(22)00153-0. doi: 10.1016/j.jamda.2022.01.075. **9.** Nelson WW, et al. *J Manag Care Spec Pharm*. 2021;27(7):828-838. **10.** Scott TA, et al. Presented at: 2020 Digestive Disease Week; May 2-5, 2020; Chicago, IL. **11.** Rodrigues R, et al. *Infect Control Hosp Epidemiol*. 2017;38(2):196-202. **12.** Olsen MA, et al. *Am J Infect Control*. 2015;43(4):318-322. **13.** Feuerstadt P, et al. *J Med Econ*. 2020;23(6):603-609. **14.** Zilberberg MD, et al. *Medicine*. 2018;97(36):e12212. **15.** Centers for Disease Control and Prevention. <https://www.cdc.gov/drugresistance/pdf/threats-report/clostridioides-difficile-508.pdf>. Accessed May 10, 2022.