

C. diff Modeling



Brian Detweiler
College of Arts and Sciences
University of Nebraska, Omaha

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Abstract

Clostridium difficile Infection (CDI) is an endospore-forming bacterium that is highly contagious, spreading by person-to-person touch or direct contact with contaminated objects and surfaces. Symptoms range from mild diarrhea and abdominal pain to life-threatening inflammation of the intestines. Particularly at risk are the elderly with past history of hospitalization and patients treated with antimicrobial therapy. In this project, we will explore CDI in the hospital and nursing home setting, modeling the risk, if exposed, from patient-to-patient contact and patient-to-health-care provider contact.

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Chapter 1

Sample Title

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Einstein's paper: [1]

Chapter 2

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Chapter 3

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Appendix A

Sample Title

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Appendix B

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- [1] HCUP Databases. Healthcare Cost and Utilization Project (HCUP). *Agency for Healthcare Research and Quality*, November 2017. Rockville, MD.