

# Not all patients who test positive for *C. difficile* have symptoms mentioned in their notes

Diarrheal symptoms extracted from clinical notes for patients testing positive for *Clostridioides difficile* in the inpatient, outpatient, and long-term care settings

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## INTRO

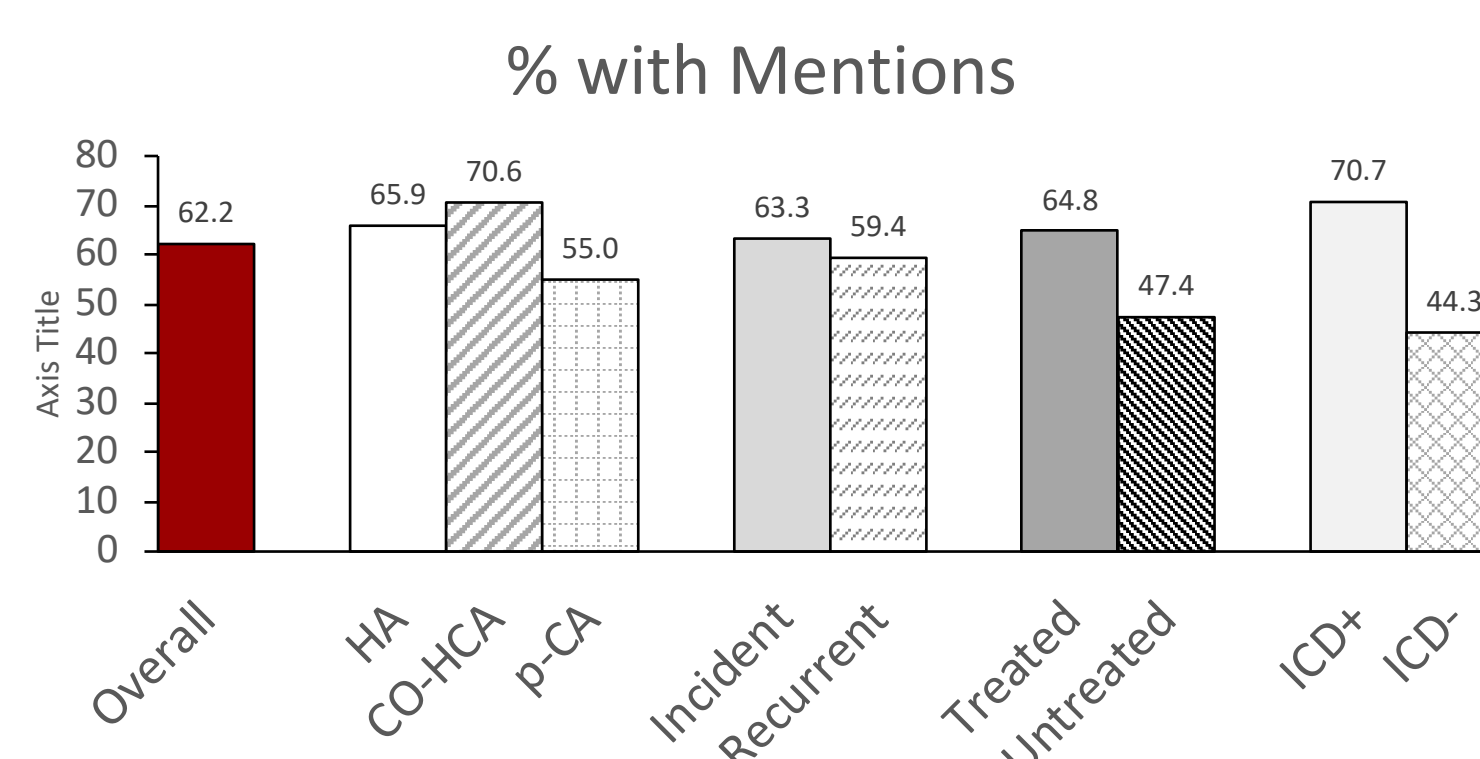
- Efforts to measure *C. difficile* from electronic sources are limited by lack of symptom data

## METHODS

- V3NLP natural language processing tool
- Diarrhea symptoms extracted from clinical notes +/- 7 days of positive test
- 2 reviewers manually classified 600 asserted snippets to calculate PPV
- N = 11,826 CDI positives in 2016, >555,000 notes

## RESULTS

- PPV = .864



## DISCUSSION

- Extraction of diarrheal symptoms from clinical notes has the potential to enhance studies of CDI epidemiology and transmission
- More work is needed to determine potential inappropriate testing of patients without diarrhea or under-documentation of diarrheal symptoms

## MORE DETAILS

