



Challenges

JCMH had 9 reported cases of *C. diff* in 2020, with a standardized infection ratio (SIR) of 1.6, indicating more infections than predicted. This was an increase from 2019.

Goal

Decrease hospital-acquired *C. diff* in 2022 to 5.6 cases or less.

Team Members

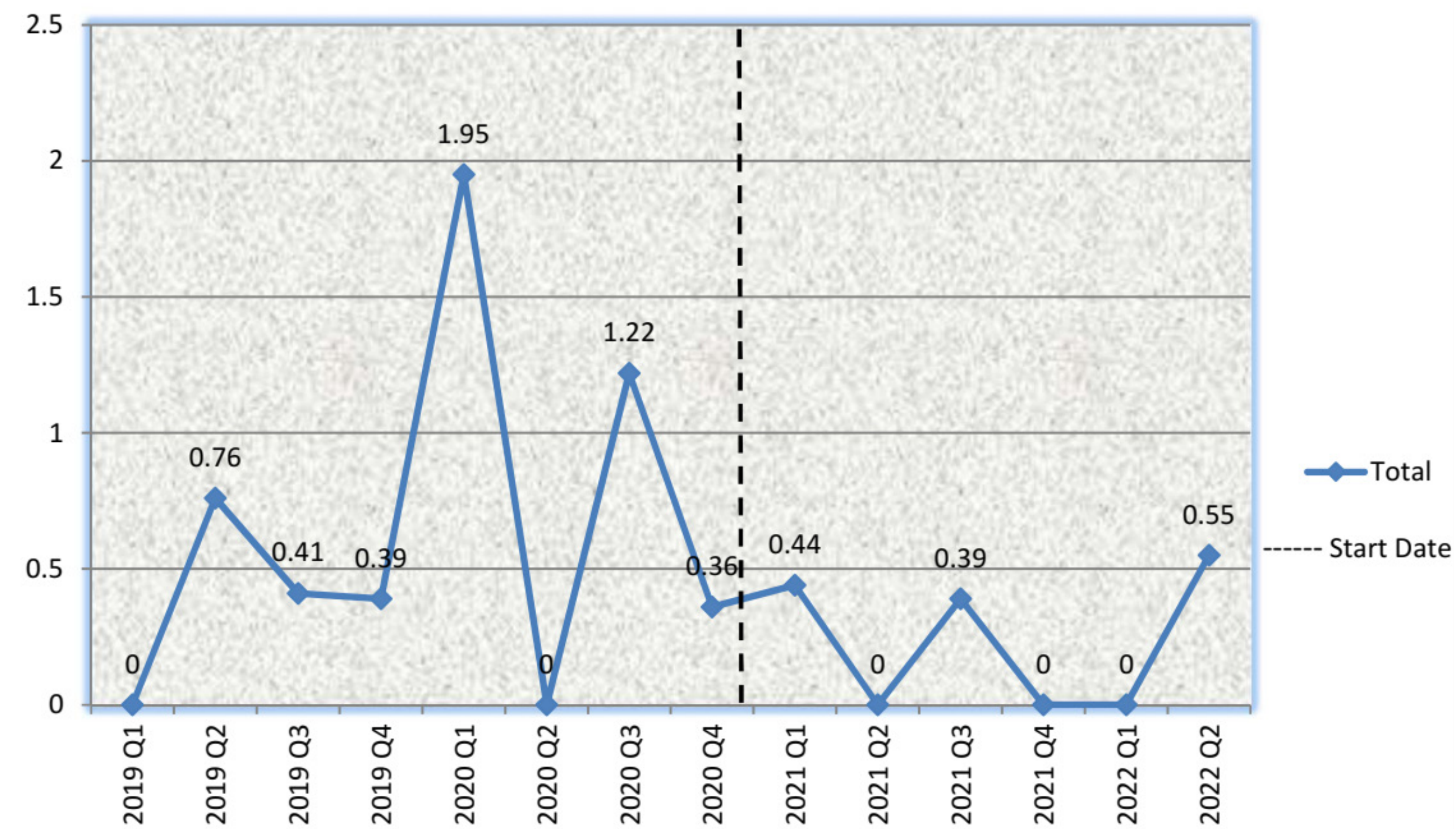


2022 Excellence in Quality Award – 26-100 Beds

Jackson County Memorial Hospital

Clostridioides Difficile: Appropriate Testing, Treatment and Teaching

C. difficile Infection Incidence Rate (per 1,000 patient days)



CDI Incidence Rate						
Year	2019	2020	2021	2022		
	+ / PD	+ / PD	+ / PD	+ / PD		
Q1	0/2,670	5/2,565	1/2,263	0/2,569		
Q2	2/2,622	0/2,143	0/2,173	1/1,815		
Q3	1/2,433	3/2,452	1/2,556			
Q4	1/2,572	1/2,788	0/2,538			
Total	4/10,297	9/9,948	2/9,530	1/4,384		
Annual SIR	0.81	1.6	0.38	0.4		

+ positive CDI
PD= patient days

Interventions

- Data analysis of 2020 (+) *C. diff* cases for appropriate testing.
- Implementation of a nursing assessment process to evaluate all patients for *C. diff*.
- Create EHR prompts to ensure testing criteria is met.
- Pharmacist and stewardship leader notification of all positive *C. diff* cultures.
- Purchase 2 ultraviolet-C (UVC) robots to clean all isolation rooms.
- Create standardized approach to testing and treatment.
- Educate front line staff annually.

Outcomes

C. diff cases decreased by 77% in 2021 as compared to 2020.