

Role of IPAC in Management of patients with *C. difficile*



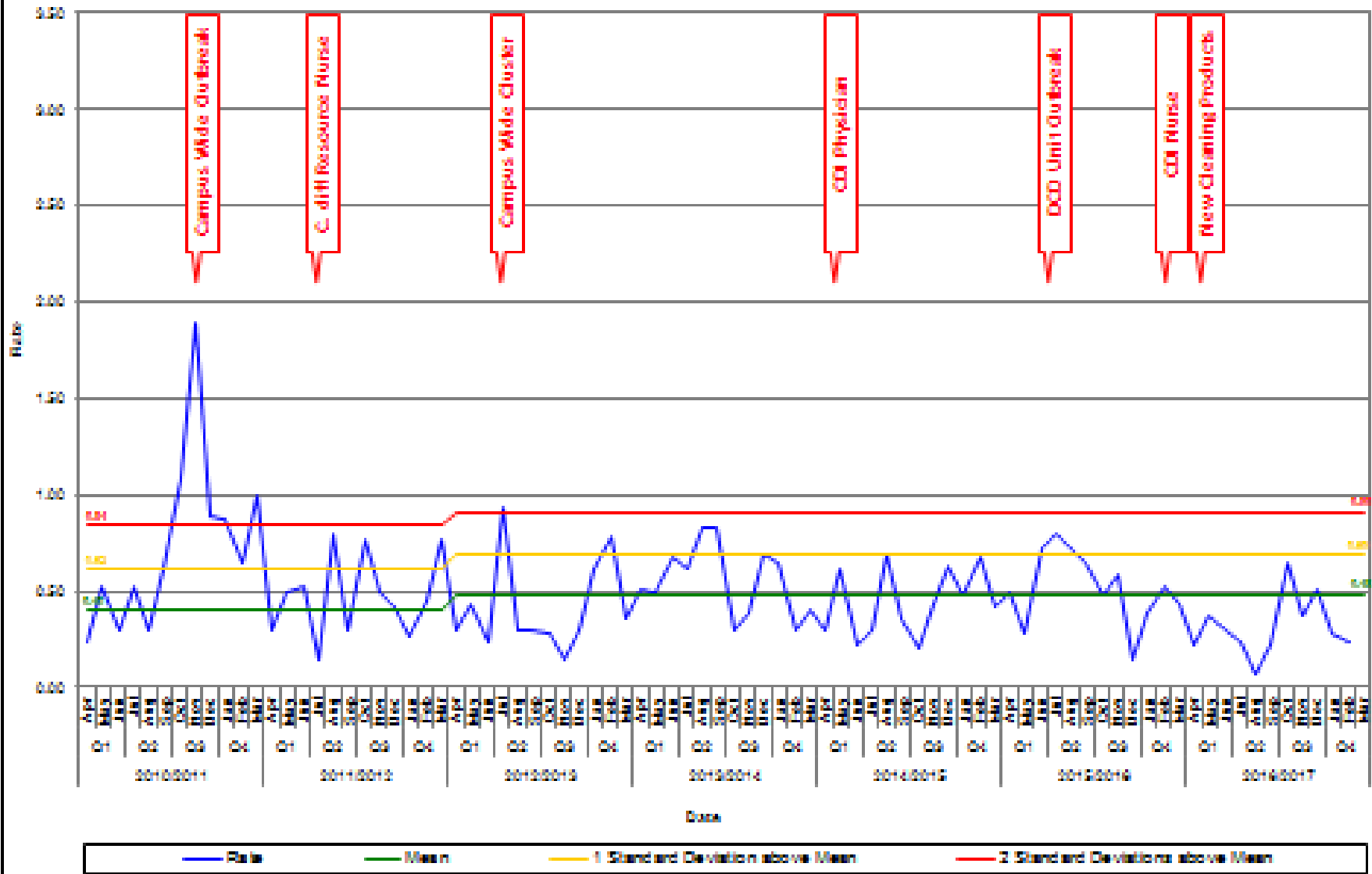
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IPAC / CDI team



- ❧ Infection Control Professionals
 - ❧ Anne, JoAnne, Kate, Maria, May, Nancy, Nicola, Tanya, Trish
- ❧ 2 ID/IPAC physician
 - ❧ Dr. Marek Smieja and Dr. Zain Chagla
- ❧ 1 ID/*C. difficile* physician
 - ❧ Dr. Salah Abouanaser
- ❧ IPAC/ *C. difficile* Resource team nurse
 - ❧ Trish Beckett, Reg.N.

C. difficile
Healthcare Associated Infection Rates per 1000 Patient Days
2010 - 2017



Hand Hygiene



- ☞ Soap and water vs. ABHR
- ☞ Meticulous hand hygiene
- ☞ Glove removal

- ☞ Reference:
- ☞ SHEA/IDSA Compendium of Practice Recommendations to Prevent Healthcare Associated Infections
- ☞ Provincial Infectious Diseases Advisory Committee (PIDAC). Routine Practices and Additional Precautions in All Health Care Settings. 2012P Annex C: Testing, Surveillance and Management of *Clostridium difficile* In All Health Care Settings

Diarrhea Surveillance



- ❧ Daily dedicated ICP to monitor all diarrhea in the facility
- ❧ Work collaboratively with nursing staff in monitoring patient's with diarrhea and *C. difficile*
- ❧ Monitor progress of patients and collaborate with ID/*C. difficile* Physician and Resource Nurse

Name	Unit	PCR	HAI Non-HAI Colonized Recurrence Relapse	Daily Stool Report for the Week of: March 4-10 2017							C. diff Abx Treatment	Other Abx	FMT date	WBC last updated Mar 6	Comments
				SAT	SUN	MON	TUE	WED	THU	FRI					
				4	5	6	7	8	9	10					
Black, Jack 1st episode	CCU 476	21-Dec	HAI	no BM	T6/7 x6	T6/7 x10	10T7				Vanco PO Dec 21-Feb 1 Vanco PO 250mg Feb 1-21 Vanco PO March 2-9	Cefriaxone Dec 15-Jan 27 Cipro Feb 19 Piptaz Feb 2-9		16.8 Jan 31 15.5 Feb 2	

C. difficile Tools



- ❧ Physician order set
- ❧ Daily *C. difficile* Management Review for Nursing staff
- ❧ *C. difficile* education to patient and family
 - ❧ Fact sheets on My StJoes
 - ❧ Education for new positive CDI patients
- ❧ *C. difficile* education to staff

Diagnosing CDI



- ❧ Use clinical and laboratory findings
 - ❧ Positive test result
 - ❧ Signs and symptoms
 - ❧ Diarrhea Type 6/7 on Bristol stool chart
 - ❧ 3 or more stools in 24 consecutive hours or fewer
 - ❧ Other symptoms
 - ❧ Fever, cramping, abd pain, decreased appetite, decreased energy level
 - ❧ Elevated WBC, Low albumin, elevated creatinine

Medication Treatment



- ❧ Metronidazole 500mg PO TID 10-14 days
- ❧ Vancomycin 125mg PO QID for 10-14 days
 - ❧ Longer if severe illness is present
- ❧ Fidaxomicin 200mg PO BID for 10 days

- ❧ Treatment depends on the severity of illness and if first episode or recurrence of illness

Fecal Transplant



- ❧ At St. Joes we offer FMT to recurrent/refractory C. diff infections
- ❧ Protocol
 - ❧ Lyophilized
 - ❧ 2 FMT about a week apart

- ❧ Cure rate of 85-90%

Additional Precautions



- ❧ Patients should be placed in Contact Precautions with the **first onset of unexplained diarrhea**
- ❧ Maintain Contact Precautions while the patient is on treatment
- ❧ And continue for 5-7 days after treatment completed as this is the most likely time frame for relapse and return of CDI symptoms



Thank you



<http://www.cbc.ca/22minutes/videos/clips-season-20/fecal-transplant>

