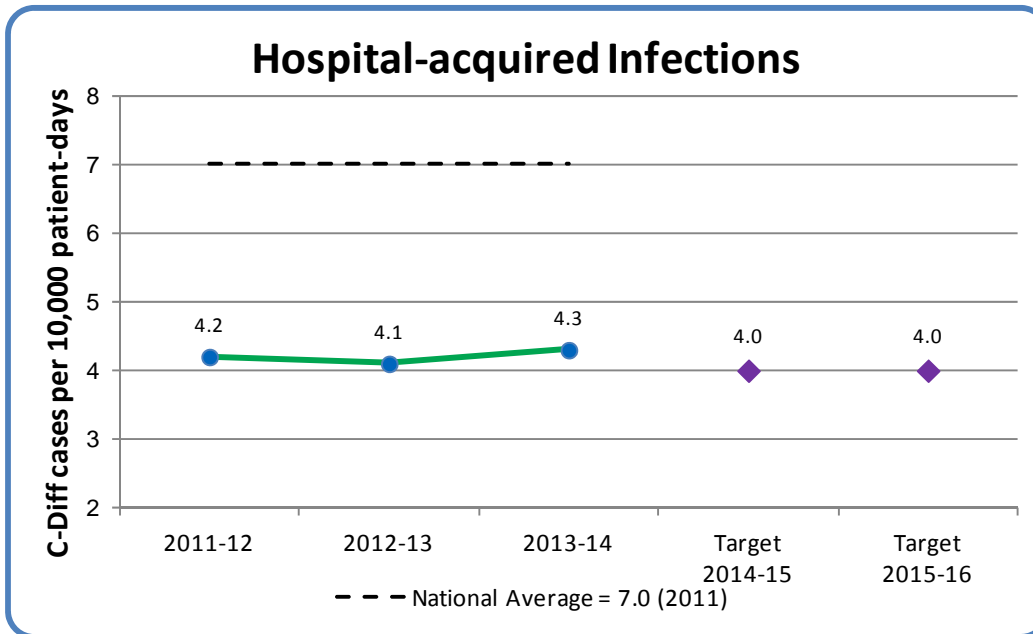


## Hospital-acquired *Clostridium difficile* Infections – Provincial Details

See below for additional zone / site details where available.



### Measure Definition

**Hospital acquired Infections:** The number of *Clostridium difficile* infections (C-diff) acquired in hospital every 10,000 patient days. A rate of 4.0 means approximately 100 patients per month acquire C-diff infections in Alberta. AHS is performing better than the national average of 7.0.

C-diff infection cases include patients with a new infection or re-infection while in hospital. Patients are considered to have a C-diff if they exhibit symptoms and confirmation by a laboratory test or colonoscopy.

### Understanding this Measure

Some individuals carry C-diff in their intestines while others may acquire it while in hospital. C-diff is the most frequently identified cause of hospital-acquired diarrhea. This infection complicates and prolongs hospital stays and impacts resources and costs in the health care system. Monitoring C-diff trends provide important information about effectiveness of infection prevention and control strategies.

### 2014-15 Actions:

- Implement the Infection Prevention Control (IPC) Plan in all five zones and CancerControl to reduce infections and improve patient safety.
- Develop integrated education to support internal and external best practices in infection prevention and control.
- Leverage existing ProvSurv (IPC Surveillance Platform) reporting and communication capability to provide timely surveillance data to clinicians and AHS leaders to better recognize and respond to emerging issues and optimize patient care.
- Provide a review of the Quality Assurance program and conduct initial independent cleanliness audits.
- Implement a program framework for the AHS Antimicrobial Stewardship program. This will improve the use of antimicrobials to achieve better patient outcomes, reduce risk of infections, reduce or stabilize levels of antibiotic resistance, and promote patient safety.

Examples of local initiatives include:

- Implement physician specific Infection Prevention & Control content into an orientation program for physicians.
- Apply the equipment cleaning initiative, the *Clear the Path* program and the *Stop Hospital Acquired Infection* program to engage front-line ownership at specific sites.
- Implement provincewide standards for cleaning of patient care environments starting with quality training and auditing.

## Hospital-acquired *Clostridium difficile* Infections – Zone Details

The number of *Clostridium difficile* infections (C-diff) acquired in hospital every 10,000 patient days. A rate of 4.0 means approximately 100 patients per month acquire C-diff infections in Alberta.

Zone	2011-12	2012-13	2013-14	2014-15 Target	2015-16 Target
<b>Provincial</b>	<b>4.2</b>	<b>4.1</b>	<b>4.3</b>	<b>4.0</b>	<b>4.0</b>
South	3.4	4.7	5.2	4.4	4.4
Calgary	4.8	4.3	4.0	4.2	4.1
Central	1.5	2.0	2.4	1.9	1.9
Edmonton	5.6	5.4	5.7	5.2	4.9
North	1.3	0.9	1.6	0.8	0.8

Note: Data collection began in 2011-12.

## Hospital-acquired *Clostridium difficile* Infections – Site Details

The number of *Clostridium difficile* infections (C-diff) acquired in hospital every 10,000 patient days. A rate of 4.0 means approximately 100 patients per month acquire C-diff infections in Alberta.

Hospital Acquired Infections (Patient Days)	2011-12	2012-13	2013-14	2014-15 Target	2015-16 Target
<b>Provincial</b>	<b>4.2</b>	<b>4.1</b>	<b>4.3</b>	<b>4.0</b>	<b>4.0</b>
<b>South Zone Total</b>	<b>3.4</b>	<b>4.7</b>	<b>5.2</b>	<b>4.4</b>	<b>4.4</b>
Chinook Regional Hospital	4.4	7.5	7.5	7.0	6.9
Medicine Hat Regional Hospital	1.7	1.3	2.8	1.3	1.3
All Other Hospitals	3.9	4.2	4.3	4.0	4.0
<b>Calgary Zone Total</b>	<b>4.8</b>	<b>4.3</b>	<b>4.0</b>	<b>4.2</b>	<b>4.1</b>
Alberta Children's Hospital	4.9	2.4	3.5	2.4	2.4
Foothills Medical Centre	5.4	6.5	5.4	6.2	6.1
Peter Lougheed Centre	5.4	2.1	3.4	2.1	2.1
Rockyview General Hospital	4.5	3.5	4.0	3.4	3.4
South Health Campus	Opened in February 2013		2.2	4.2	4.1
All Other Hospitals	0.6	2.4	0.9	2.3	2.3
<b>Central Zone Total</b>	<b>1.5</b>	<b>2.0</b>	<b>2.4</b>	<b>1.9</b>	<b>1.9</b>
Red Deer Regional Hospital Centre	2.6	2.9	3.3	2.8	2.8
All Other Hospitals	1.0	1.5	2.0	1.5	1.5
<b>Edmonton Zone Total</b>	<b>5.6</b>	<b>5.4</b>	<b>5.7</b>	<b>5.2</b>	<b>4.9</b>
Grey Nuns Community Hospital	3.8	5.7	5.9	5.4	5.4
Misericordia Community Hospital	9.1	6.9	8.3	6.5	6.4
Royal Alexandra Hospital	6.0	6.6	6.7	6.2	6.1
Stollery Children's Hospital	4.0	2.1	2.8	2.0	2.0
Sturgeon Community Hospital	11.8	5.6	9.3	5.4	5.3
University of Alberta Hospital	7.8	8.7	8.4	7.9	7.8
All Other Hospitals	2.3	1.6	1.9	1.6	1.6
<b>North Zone Total</b>	<b>1.3</b>	<b>0.9</b>	<b>1.6</b>	<b>0.8</b>	<b>0.8</b>
Northern Lights Regional Health Centre	1.7	1.0	0.7	1.0	1.0
Queen Elizabeth II Hospital	1.6	1.0	3.0	1.0	1.0
All Other Hospitals	1.1	0.8	1.3	0.8	0.8

Note: Data collection began in 2011-12.