

Surveillance Data on

Clostridium Difficile

Associated Diarrhea in Québec Hospitals

News Bulletin No. 29, November 2012



Produced by :
Direction des communications, ministère de la Santé et des Services sociaux

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Surveillance data on *Clostridium difficile*-associated diarrhea in Québec hospitals

The surveillance system for diarrhea associated with the bacterium *Clostridium difficile*, generally called *C. difficile*, was introduced in Québec's hospitals in August 2004. It is overseen by the Institut national de santé publique du Québec (INSPQ).

Nearly 100 hospitals throughout Québec monitor the incidence of these nosocomial infections. Most institutions have more than 1,000 admissions for short-term care annually, excluding psychiatry, nursery and neonatology units.

The main objective of the surveillance system is to track trends in rates in the province's hospitals so that appropriate control measures can be adopted.

–The purpose of this document is to inform the public about the presence of nosocomial *Clostridium difficile* infections by presenting the incidence rates by hospital, by health region, and for all of Québec. Rates are calculated using validated data to ensure accuracy. The validation procedure involves a number of steps and takes three months after the end of each administrative period.

WARNING

It is important to remember to **be cautious when interpreting data on the incidence of *Clostridium difficile*-associated diarrhea** in hospitals, especially when comparing institutions and regions. A number of factors can influence the rates: the size of the institution, the complexity of the services offered, the type of population served, the physical layout of the facilities, the number of people hospitalized for respiratory infection, the use of antibiotics, the percentage of people aged 65 and over and, of course, the virulence and transmissibility of the circulating strain of the bacterium.

Clostridium difficile-associated diarrhea rates vary seasonally and usually increase over the winter months. Rates can also fluctuate widely from one period to the next in small institutions. A single case of infection can result in a high rate for a small hospital.

To clearly understand the meaning of these data, readers may consult the detailed epidemiological reports produced by the INSPQ and posted on the Institute's Web site at www.inspq.qc.ca.

Presentation of data on *Clostridium difficile*

Surveillance data on *Clostridium difficile*-associated diarrhea refer to hospital-acquired infections, i.e., infections whose symptoms began more than 72 hours after admission to hospital or less than four weeks after the patient's discharge.

Data are presented in tabular and graph formats for each of Québec's health regions, excluding Nunavik (region 17) and Terres-Cries-de-la-Baie-James (region 18). The **tables** show the incidence rates for each participating hospital and each administrative period. The incidence rate is calculated by dividing the number of new cases observed by the number of patient days; patient days represent the number of patients hospitalized (beds occupied) in the institution during a given administrative period. For example, if for a 10-day period, the cumulative number of bed occupancy days for the entire institution is 1,000, we obtain 10,000 patient days. This unit of measurement allows the level of hospital activity (bed occupancy), which fluctuates over time and differs from hospital to hospital, to be taken into account. Rates therefore express the number of cases per 10,000 patient days. Data are usually aggregated

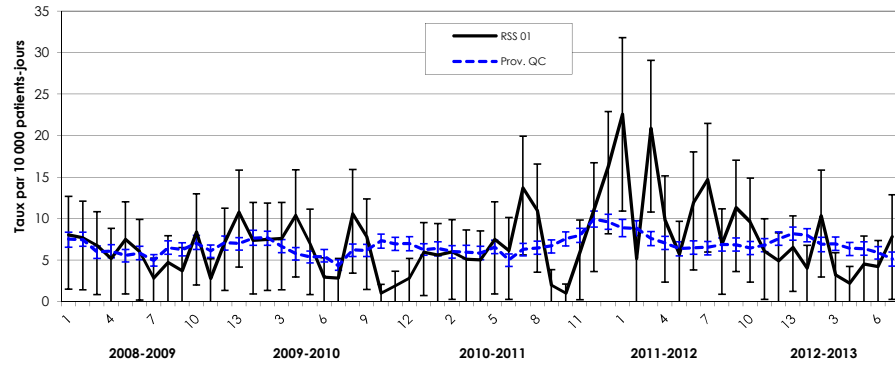
(grouped) by four-week administrative period. There are 13 periods per year. Hospital size is expressed as the number of beds, and the percentage of patients over 65 years of age is indicated.

Each regional incidence rate is presented **graphically** and is compared to the provincial incidence rate. Regional incidence rates are calculated from the data provided by the hospitals in a given region. Regional groupings are created based on shared characteristics. Lastly, provincial rates, encompassing data from all participating hospitals, are also calculated.

Clostridium difficile infection monitoring data
in Québec hospital centres

REGION 01, Bas-Saint-Laurent

**CDAD incidence rate per 10,000 patient-days by administrative periods with a 95% confidence intervals
Bas-Saint-Laurent and province of Quebec, April 1st, 2008 to November 20th, 2012**



Definition of administrative Periods

Periods	2008-09	2009-10	2010-11	2011-12	2012-13
1	26-04-08	25-04-09	24-04-10	23-04-11	05-05-12
2	24-05-08	23-05-09	22-05-10	21-05-11	02-06-12
3	21-06-08	21-06-08	19-06-10	18-06-11	30-06-12
4	19-07-08	18-07-09	17-07-10	16-07-11	28-07-12
5	16-08-08	15-08-09	14-08-10	13-08-11	25-08-12
6	13-09-08	12-09-09	11-09-10	10-09-11	22-09-12
7	11-10-08	10-10-09	09-10-10	08-10-11	20-10-12
8	08-11-08	07-11-09	06-11-10	05-11-11	17-11-12
9	06-12-08	05-12-09	04-12-10	03-12-11	15-12-12
10	03-01-09	02-01-10	01-01-11	31-12-11	12-01-13
11	31-01-09	31-01-10	29-01-11	28-01-12	09-02-13
12	28-02-09	27-02-10	26-02-11	25-02-12	09-03-13
13	31-03-09	31-03-10	31-03-11	31-03-12	31-03-13

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Bas-Saint-Laurent and province of Quebec, April 1st, 2008 to November 20th, 2012**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																										
			2008-2009													2009-2010													2010-2011													2011-2012													2012-2013						
			1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7
HÔPITAL RÉGIONAL DE RIMOUSKI	100 à 249	35 % à 49 %	9	9	11	8	8	7	4	2	2	8	4	14	10	17	11	16	22	17	5	7	18	11	0	0	4	6	5	5	7	10	10	7	20	23	5	2	7	7	16	16	12	35	16	9	26	29	12	17	15	10	2	11	5	17	5	3	10	9	7
CHR DU GRAND-PORTAGE	100 à 249	35 % à 49 %	12	7	4	4	0	11	4	11	4	8	0	0	13	0	11	4	0	0	0	0	4	4	4	0	0	0	9	8	4	0	12	0	11	4	0	0	4	4	3	27	0	0	0	0	4	4	0	0	0	6	4	0	4	0	0	9			
HÔPITAL NOTRE-DAME-DE-FATIMA	< 100	≥ 50 %	0	0	0	0	32	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	15	0	0	0	0	0	25	14	46	31	0	26	0	13	0	0	14	0	0	13	0	0	13	0	0	0	0	0	
HÔPITAL DE MATANE	< 100	35 % à 49 %	0	9	0	0	20	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	10	10	0	0	0	0	0	9	0	0	19	10	10	0	0	0	0	0	0	8	0	0	0	0	0	0				
HÔPITAL D'AMQUI	< 100	≥ 50 %	0	0	0	13	0	0	0	0	12	14	0	0	12	0	0	0	0	0	15	0	14	14	0	0	12	22	15	14	14	0	0	14	14	0	0	0	0	62	65	89	0	12	36	0	0	15	13	33	31	14	0	11	0	30	0	0	0	0	17
HÔPITAL DE NOTRE-DAME-DU-LAC	< 100	≥ 50 %	14	15	16	0	0	0	0	15	0	29	14	16	23	0	0	0	15	0	0	0	13	14	0	13	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	14	0	15	44	0	0	0	0	0	0	0	0	0		
Bas-Saint-Laurent	—	—	8	8	7	5	8	6	3	5	4	8	3	7	11	7	8	8	10	7	3	3	11	8	1	2	3	6	6	6	5	5	8	6	14	11	2	1	6	11	16	23	5	21	10	6	12	15	7	11	10	6	5	7	4	10	3	2	5	4	8
Province de Québec	—	—	8	7	6	6	6	6	5	7	6	7	6	7	7	8	8	7	6	5	5	4	6	6	7	7	6	6	6	6	6	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7	6	7	8	8	8	7	7	6	6	6	5		

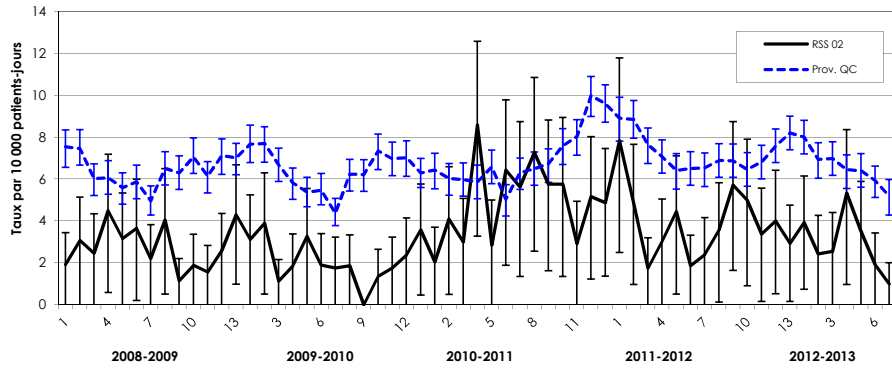
Data source : *Clostridium difficile* infection monitoring data, INSPQ

- Notes: 1. CDAD : *Clostridium difficile* -associated diarrhea (of nosocomial origin). CHR: centre hospitalier régional; CH: centre hospitalier.
2. The data have been validated, and the data retrieval date is November 8th, 2012.
3. The facilities participating in CDAD surveillance are included in the region.

Clostridium difficile infection monitoring data
in Québec hospital centres

REGION 02, Saguenay—Lac-Saint-Jean

**CDAD incidence rate per 10,000 patient-days by administrative periods with a 95% confidence intervals
Saguenay—Lac-Saint-Jean and province of Quebec, April 1st, 2008 to November 20th, 2012**



Definition of administrative Periods

Periods	2008-09	2009-10	2010-11	2011-12	2012-13
1	26-04-08	25-04-09	24-04-10	23-04-11	05-05-12
2	24-05-08	23-05-09	22-05-10	21-05-11	02-06-12
3	21-06-08	21-06-08	19-06-10	18-06-11	30-06-12
4	19-07-08	18-07-09	17-07-10	16-07-11	28-07-12
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6	13-09-08	12-09-09	11-09-10	10-09-11	22-09-12
7	11-10-08	10-10-09	09-10-10	08-10-11	20-10-12
8	08-11-08	07-11-09	06-11-10	05-11-11	17-11-12
9	06-12-08	05-12-09	04-12-10	03-12-11	15-12-12
10	03-01-09	02-01-10	01-01-11	31-12-11	12-01-13
11	31-01-09	31-01-10	29-01-11	28-01-12	09-02-13
12	28-02-09	27-02-10	26-02-11	25-02-12	09-03-13
13	31-03-09	31-03-10	31-03-11	31-03-12	31-03-13

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Saguenay—Lac-Saint-Jean and province of Quebec, April 1st, 2008 to November 20th, 2012**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																										
			2008-2009													2009-2010													2010-2011													2011-2012													2012-2013						
			1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7
HÔPITAL DE CHICOUTIMI	≥ 250	35 % à 49 %	1	3	1	6	4	7	4	7	1	3	2	4	8	7	6	3	4	6	1	3	4	0	3	4	4	5	2	0	1	3	0	3	1	7	5	8	4	3	3	6	1	0	3	5	0	1	5	3	9	3	5	4	1	3	3	8	6	0	1
HÔPITAL ET CR DE JONQUIÈRE	< 100	≥ 50 %	0	0	0	4	0	0	0	0	0	0	0	3	3	0	3	0	0	3	3	0	0	0	0	0	0	3	0	0	0	7	4	6	13	10	0	0	3	6	3	3	9	0	0	0	3	3	0	6	3	6	7	5	12	0	4	0	0	0	
HÔPITAL DE DOLBEAU-MISTASSINI	< 100	35 % à 49 %	8	14	15	8	0	7	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	14	0	0	0	0	7	6	0	5	0	0	6	6	12	0	0	6	0	0	0	0	6	0	15	0	14	0	8	0	
HÔPITAL, CLSC ET CH DE ROBERVAL	100 à 249	35 % à 49 %	0	4	4	4	0	0	0	0	0	4	0	0	3	0	0	0	0	0	5	4	0	0	0	0	0	3	0	0	8	9	5	9	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	6	0	0	4	0	4	0			
HÔPITAL D'ALMA	100 à 249	35 % à 49 %	4	0	0	0	8	0	4	4	4	0	3	3	0	0	4	0	0	0	0	0	0	0	0	4	4	9	21	8	23	10	18	15	16	24	12	0	19	16	35	9	8	8	9	10	9	4	17	4	8	4	0	3	0	4	0	5	4	0	
Saguenay—Lac-Saint-Jean	—	—	2	3	2	4	3	4	2	4	1	2	2	3	4	3	4	1	2	3	2	2	2	0	1	2	2	4	2	4	3	9	3	6	6	7	6	6	3	5	5	8	5	2	3	4	2	2	4	6	5	3	4	3	4	2	3	5	3	2	1
Province de Québec	—	—	8	7	6	6	6	6	5	7	6	7	6	7	7	8	8	7	6	5	5	4	6	6	7	7	7	6	6	6	6	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7	7	6	7	8	8	8	7	7	6	6	6	5	

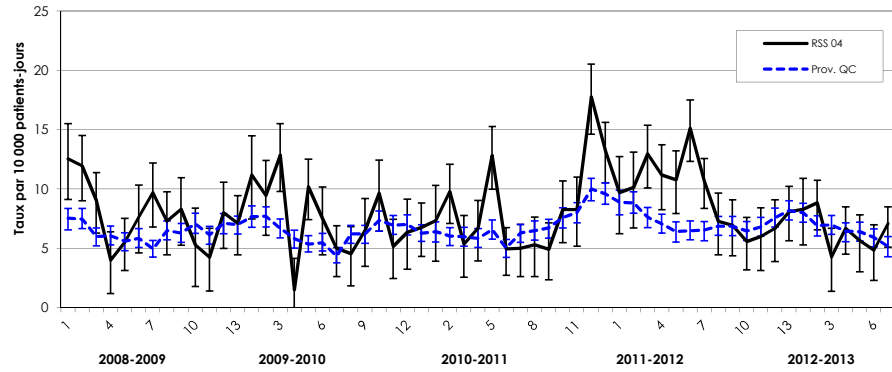
Data source : Clostridium difficile infection monitoring data, INSPQ

- Notes: 1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin). CHR: centre hospitalier régional; CH: centre hospitalier.
2. The data have been validated, and the data retrieval date is November 8th, 2012.
3. The facilities participating in CDAD surveillance are included in the region.

**Clostridium difficile infection monitoring data
in Québec hospital centres**

REGION 04, Mauricie et Centre-du-Québec

**CDAD incidence rate per 10,000 patient-days by administrative periods with a 95% confidence intervals
Mauricie et Centre-du-Québec and province of Quebec, April 1st, 2008 to November 20th, 2012**



Definition of administrative Periods

Periods	2008-09	2009-10	2010-11	2011-12	2012-13
1	26-04-08	25-04-09	24-04-10	23-04-11	05-05-12
2	24-05-08	23-05-09	22-05-10	21-05-11	02-06-12
3	21-06-08	21-06-08	19-06-10	18-06-11	30-06-12
4	19-07-08	18-07-09	17-07-10	16-07-11	28-07-12
5	16-08-08	15-08-09	14-08-10	13-08-11	25-08-12
6	13-09-08	12-09-09	11-09-10	10-09-11	22-09-12
7	11-10-08	10-10-09	09-10-10	08-10-11	20-10-12
8	08-11-08	07-11-09	06-11-10	05-11-11	17-11-12
9	06-12-08	05-12-09	04-12-10	03-12-11	15-12-12
10	03-01-09	02-01-10	01-01-11	31-12-11	12-01-13
11	31-01-09	31-01-10	29-01-11	28-01-12	09-02-13
12	28-02-09	27-02-10	26-02-11	25-02-12	09-03-13
13	31-03-09	31-03-10	31-03-11	31-03-12	31-03-13

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Mauricie et Centre-du-Québec and province of Quebec, April 1st, 2008 to November 20th, 2012**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																											
			2008-2009													2009-2010													2010-2011													2011-2012													2012-2013							
			1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	
HÔTEL-DIEU D'ARTHABASKA	100 à 249	35 % à 49 %	5	10	16	5	3	7	5	7	5	0	2	0	0	0	0	8	0	5	5	0	3	2	10	9	2	7	3	0	0	3	10	8	10	5	2	5	0	2	6	3	2	0	8	11	8	5	5	17	10	2	11	7	7	10	3	3	10	7	0	
PAVILLON ST-JOSEPH	≥ 250	35 % à 49 %	14	14	4	2	7	6	11	5	6	7	4	10	9	16	6	16	1	9	8	6	5	8	14	3	4	6	10	16	8	8	20	4	5	7	3	10	11	23	13	18	12	17	13	16	18	13	8	2	8	11	9	12	13	14	7	8	4	7	10	
HÔPITAL DU CENTRE-DE-LA-MAURICIE	100 à 249	≥ 50 %	0	3	3	3	0	13	20	16	15	3	5	11	7	17	12	3	3	7	10	3	6	12	0	0	3	8	10	0	3	3	3	3	3	5	15	6	6	7	6	0	5	9	9	3	11	9	3	3	0	0	2	0	2	3	3	6	0	3	0	
HÔPITAL SAINTE-CROIX	100 à 249	35 % à 49 %	26	16	13	7	7	9	4	4	12	9	4	10	11	9	25	20	2	21	9	9	4	4	9	10	18	10	5	13	9	9	7	7	2	2	2	11	12	33	27	8	18	20	13	9	20	11	11	13	2	4	0	9	4	2	0	5	9	0	2	
CSSS DE LA SAINT-MAURICE	< 100	35 % à 49 %	0	15	34	0	18	0	0	16	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	16	21	0	0	0	15	0	0	0	13	0	0	17	0	0	0	19	0	0	0	0	17	0	0	0	47	0	0	0		
Mauricie et Centre-du-Québec	—	—	13	12	9	4	6	8	10	7	8	5	4	8	7	11	9	13	2	10	8	5	5	7	10	5	6	7	7	10	5	7	13	5	5	5	5	8	8	18	13	10	10	13	11	11	15	11	7	7	6	6	7	8	8	8	7	7	6	6	6	5
Province de Québec	—	—	8	7	6	6	6	6	5	7	6	7	6	7	7	8	8	7	6	5	5	4	6	6	7	7	7	6	6	6	6	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7	7	6	7	8	8	8	7	7	6	6	6	5		

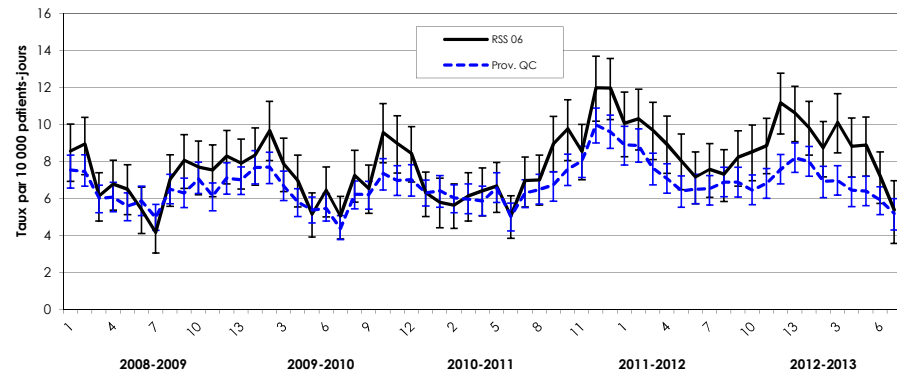
Data source : Clostridium difficile infection monitoring data, INSPQ

- Notes: 1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin). CHR: centre hospitalier régional; CH: centre hospitalier.
 2. The data have been validated, and the data retrieval date is November 8th, 2012.
 3. The facilities participating in CDAD surveillance are included in the region.

Clostridium difficile infection monitoring data
in Québec hospital centres

REGION 06, Montréal-Centre

CDAD incidence rate per 10,000 patient-days by administrative periods with a 95% confidence intervals
Montréal-Centre and province of Quebec, April 1st, 2008 to November 20th, 2012



Definition of administrative Periods

Periods finished :					
Periods	2008-09	2009-10	2010-11	2011-12	2012-13
1	26-04-08	25-04-09	24-04-10	23-04-11	05-05-12
2	24-05-08	23-05-09	22-05-10	21-05-11	02-06-12
3	21-06-08	21-06-08	19-06-10	18-06-11	30-06-12
4	19-07-08	18-07-09	17-07-10	16-07-11	28-07-12
5	16-08-08	15-08-09	14-08-10	13-08-11	25-08-12
6	13-09-08	12-09-09	11-09-10	10-09-11	22-09-12
7	11-10-08	10-10-09	09-10-10	08-10-11	20-10-12
8	08-11-08	07-11-09	06-11-10	05-11-11	17-11-12
9	06-12-08	05-12-09	04-12-10	03-12-11	15-12-12
10	03-01-09	02-01-10	01-01-11	31-12-11	12-01-13
11	31-01-09	31-01-10	29-01-11	28-01-12	09-02-13
12	28-02-09	27-02-10	26-02-11	25-02-12	09-03-13
13	31-03-09	31-03-10	31-03-11	31-03-12	31-03-13

Data source : Clostridium difficile infection monitoring data, INSPQ

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Clostridium difficile infection monitoring data
in Québec hospital centres

REGION 06, Montréal-Centre

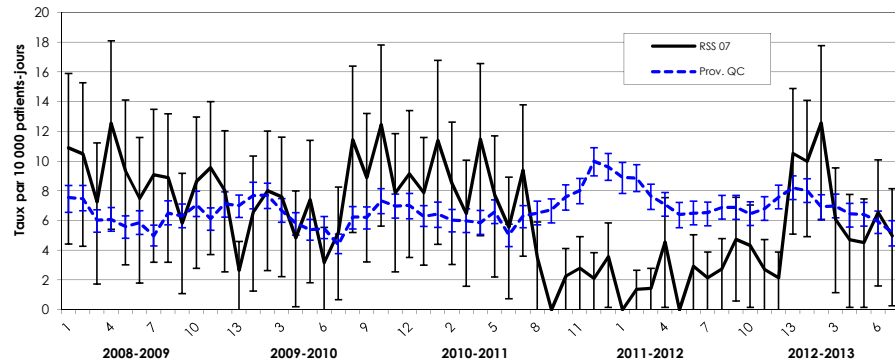
**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Montréal-Centre and province of Québec, April 1st, 2008 to November 20th, 2012**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																												
			2008-2009												2009-2010												2010-2011												2011-2012												2012-2013												
			1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7		
HÔPITAL ROYAL VICTORIA	≥ 250	< 35 %	11	5	6	8	9	14	7	7	8	12	10	6	5	7	11	9	9	11	7	6	2	7	10	12	7	9	5	8	7	6	11	6	11	4	12	12	23	7	20	19	14	18	15	7	7	8	11	13	19	14	26	18	11	8	6	13	15	14	0		
HÔPITAL NOTRE-DAME DU CHUM	≥ 250	35 % à 49 %	7	12	8	6	11	7	0	8	13	13	15	9	6	7	8	6	2	4	6	4	7	7	9	5	5	7	4	3	5	6	6	1	3	3	11	6	6	13	6	1	11	8	8	11	7	3	7	4	2	8	4	7	7	9	8	5	12	0	9		
HÔPITAL GÉNÉRAL JUIF SIR MORTIMER B. DAVIS	≥ 250	35 % à 49 %	14	12	9	9	10	11	11	12	14	11	6	9	18	12	9	9	7	6	7	4	5	10	9	8	11	11	7	5	9	7	4	6	15	18	14	21	8	23	20	20	25	20	12	16	14	15	10	16	16	15	14	14	16	10	17	11	19	18	0		
L'HÔPITAL DE MONTRÉAL POUR ENFANTS	100 à 249	CH pédiat	19	0	5	5	5	4	0	4	8	0	0	0	8	0	4	0	0	0	0	0	0	0	4	0	0	4	4	15	0	0	0	0	0	8	0	0	8	9	20	4	10	7	0	0	9	0	4	0	0	4	4	4	0	0	4	0	0	5	5	0	
PAV. MAISONNEUVE/PAV. MARCEL-LAMOUREUX	≥ 250	35 % à 49 %	18	19	13	9	6	8	4	15	19	17	15	25	16	18	16	19	18	12	14	23	20	10	24	20	10	7	6	7	11	6	13	10	16	13	18	14	9	18	16	18	7	17	12	11	8	11	13	7	11	7	14	11	20	16	16	11	15	9	7		
HÔPITAL SAINTE-JUSTINECHU MÈRE-ENFANT	≥ 250	CH pédiat	2	2	2	2	0	2	0	9	2	6	0	3	0	0	2	6	0	2	2	2	2	0	4	3	0	2	0	7	0	0	5	2	3	0	5	2	3	3	1	0	0	2	2	2	0	2	3	5	5	2	5	0	1	2	3	13	2	5	0		
INSTITUT DE CARDIOLOGIE DE MONTRÉAL	100 à 249	≥ 50 %	6	10	6	13	4	0	0	15	0	7	0	12	6	0	7	0	10	0	0	4	6	6	16	8	14	5	4	3	3	14	11	14	0	9	0	13	6	3	8	19	13	7	7	4	0	6	9	12	3	3	6	7	12	6	13	7	8	7	0		
HÔPITAL SAINT-LUC DU CHUM	≥ 250	< 35 %	7	11	6	5	7	8	7	7	3	5	12	8	10	5	12	9	12	3	6	4	13	6	2	4	6	7	6	9	7	7	3	2	5	3	12	0	5	14	10	7	8	6	15	6	11	11	8	10	10	13	12	9	7	11	9	11	6	10	0		
HÔTEL-DIEU DU CHUM	100 à 249	≥ 50 %	11	7	5	6	23	10	5	7	7	4	3	8	10	4	14	10	9	5	4	7	7	17	10	4	11	5	6	9	12	0	0	5	7	10	10	8	11	24	16	18	22	15	15	10	10	10	15	11	13	16	19	23	16	13	16	12	3	3	5		
HÔPITAL DU SACRÉ-COEUR DE MONTRÉAL	≥ 250	35 % à 49 %	12	10	3	12	4	5	3	6	6	2	5	6	4	8	12	6	6	3	5	3	8	5	11	10	12	6	8	7	7	11	5	5	5	3	8	9	7	13	7	3	7	12	5	4	8	7	5	7	13	13	17	16	8	6	9	8	4	0			
CH DE VERDUN	100 à 249	≥ 50 %	15	11	2	4	7	2	6	4	7	9	10	9	6	18	13	11	4	7	15	4	2	16	6	12	11	8	8	4	4	9	14	6	13	3	7	12	8	17	11	8	7	8	5	9	4	8	8	12	16	10	5	6	8	10	8	7	8	7	5		
HÔPITAL GÉNÉRAL DE MONTRÉAL	≥ 250	35 % à 49 %	12	4	5	7	3	3	6	11	14	13	3	9	8	16	17	10	2	7	10	2	13	5	13	7	16	15	18	13	11	17	12	10	7	24	15	6	17	14	22	23	18	17	16	11	19	10	8	16	12	15	13	15	13	11	16	12	6	7	0		
HÔPITAL SANTA CABRINI	≥ 250	≥ 50 %	4	12	8	10	6	1	7	1	1	0	9	8	14	7	9	12	13	9	9	1	11	0	11	20	5	6	5	4	3	7	4	4	1	3	5	7	5	5	11	6	9	9	3	8	10	10	9	3	4	11	14	18	5	5	9	11	7	4	5		
HÔPITAL GÉNÉRAL DU LAKESHORE	100 à 249	35 % à 49 %	6	16	8	6	6	8	8	4	8	8	15	13	2	6	8	12	8	4	6	2	4	11	19	16	13	3	4	8	4	0	0	11	4	9	15	20	15	22	14	10	8	6	4	4	2	2	4	0	2	2	13	16	0	10	12	26	17	14	0		
HÔPITAL JEAN-TALON	100 à 249	≥ 50 %	7	18	7	5	7	2	2	5	8	15	12	11	6	10	5	5	13	7	8	3	11	9	5	10	15	9	11	9	5	12	19	4	7	2	7	8	13	7	11	3	7	7	11	11	2	7	4	7	10	11	11	4	0	5	5	5	5	7	2		
CH DE ST. MARY	100 à 249	< 35 %	2	8	0	5	2	5	0	2	8	5	8	3	9	11	9	3	3	5	7	0	7	7	5	8	3	4	2	0	3	3	7	5	5	5	3	7	8	3	10	8	6	3	6	2	2	3	7	5	2	7	5	3	5	10	19	2	7	3	3		
CH DE LACHINE	100 à 249	≥ 50 %	0	0	5	0	0	5	0	5	0	5	0	5	5	4	6	10	0	5	5	0	0	5	5	0	0	6	0	0	0	0	5	6	6	13	7	13	0	0	11	0	13	13	18	18	0	6	6	6	12	6	0	10	10	6	12	6	0	12	0		
CH FLEURY	100 à 249	≥ 50 %	8	0	18	4	12	4	4	0	10	10	10	16	8	14	9	3	3	3	0	3	3	11	4	4	24	12	0	3	7	11	13	0	3	3	0	10	6	3	3	0	6	9	12	9	15	9	3	18	3	0	6	5	5	12	9	10	10	3	3		
CH DE LASALLE	100 à 249	< 35 %	0	0	9	0	9	0	4	4	4	0	4	0	4	0	19	14	5	5	36	5	0	0	19	14	5	0	0	5	0	21	15	14	0	0	5	5	5	24	10	0	12	16	11	5	5	12	32	11	0	28	15	14	0	16	0	16	0	10			
L'HÔPITAL DE RÉADAPTATION LINDSAY	100 à 249	≥ 50 %	0	0	4	0	11	0	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
VILLA MÉDICA	100 à 249	≥ 50 %	0	3	0	0	3	0	0	6	0	8	3	0	5	0	3	0	0	0	7	3	0	6	9	5	3	2	0	5	6	0	3	0	3	3	5	14	5	8	7	7	6	0	0	7	4	3	0	0	0	0	5	8	11	11	3	7	0	0	0		
INSTITUT THORACIQUE DE MONTRÉAL	< 100	≥ 50 %	5	10	0	0	5	0	0	0	0	0	0	0	5	5	0	31	5	0	0	0	0	0	0	0	10	0	11	6	0	0	0	6	6	0	46	0	0	0	7	0	0	0	6	0	6	0	0	6	6	17	14	14	0	18	0	0	0	0			
HÔPITAL NEUROLOGIQUE DE MONTRÉAL	< 100	< 35 %	0	0	15	11	0	0	5	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6	0	5	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	5	10	26	0	10	0	4	5	0	0	10	5	0
CH RICHARDSON	< 100	≥ 50 %	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
HÔPITAL CATHERINE BOOTH DE L'ARMÉE DU SALUT	< 100	≥ 50 %	0	0	0	5	0	0	0	4	0	4	9	0	0	0	0	0	0	0	0	0	0	0	4	13	17	0	5	9	9	13	0	0	13	4	13	4	4	26	53	11	17	9	5	0	14	17	0	9	4	4	4	3	3	13	0	0	4	0			
HÔPITAL MARIE CLARAC	100 à 249	≥ 50 %	0	2	6	6	4	0	0	6	4	4	0	0	3	6	4	4	7	2	2	5	2	0	0	6	4	2	4	2	8	0	4	2	2	0	0	0	4	2	3	5	8	2	2	2	2	0	0	0	2	6	6	4	5	4	6	4	6	6	4		
INSTITUT DE RÉADAPTATION GINGRAS-LINDSEY-DE-MONTRÉAL	100 à 249	≥ 50 %	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	6	2	3	4	0	0	5	2	2	2	4	0	2	4	2	4	2	5	0	0	7	9		
Montréal-Centre	—	—	9	9	6	7	7	5	4	7	8	8	8	8	8	8	10	8	7	5	6	5	7	7	10	9	8	6	6	6	6 </																																

Clostridium difficile infection monitoring data
in Québec hospital centres

REGION 07, Outaouais

**CDAD incidence rate per 10,000 patient-days by administrative periods with a 95% confidence intervals
Outaouais and province of Quebec, April 1st, 2008 to November 20th, 2012**



Definition of administrative Periods

Periods	2008-09	2009-10	2010-11	2011-12	2012-13
1	26-04-08	25-04-09	24-04-10	23-04-11	05-05-12
2	24-05-08	23-05-09	22-05-10	21-05-11	02-06-12
3	21-06-08	21-06-08	19-06-10	18-06-11	30-06-12
4	19-07-08	18-07-09	17-07-10	16-07-11	28-07-12
5	16-08-08	15-08-09	14-08-10	13-08-11	25-08-12
6	13-09-08	12-09-09	11-09-10	10-09-11	22-09-12
7	11-10-08	10-10-09	09-10-10	08-10-11	20-10-12
8	08-11-08	07-11-09	06-11-10	05-11-11	17-11-12
9	06-12-08	05-12-09	04-12-10	03-12-11	15-12-12
10	03-01-09	02-01-10	01-01-11	31-12-11	12-01-13
11	31-01-09	31-01-10	29-01-11	28-01-12	09-02-13
12	28-02-09	27-02-10	26-02-11	25-02-12	09-03-13
13	31-03-09	31-03-10	31-03-11	31-03-12	31-03-13

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Outaouais and province of Quebec, April 1st, 2008 to November 20th, 2012**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																										
			2008-2009													2009-2010													2010-2011													2011-2012													2012-2013						
			1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7
PAVILLON DE GATINEAU	100 à 249	< 35 %	14	7	5	15	17	10	20	11	8	5	13	10	2	5	8	4	2	7	2	6	14	15	9	6	4	4	11	8	9	21	9	5	4	6	0	5	0	2	4	0	0	2	11	0	4	2	4	8	2	2	2	23	13	4	0	2	7	2	2
PAVILLON DE HULL	≥ 250	≥ 50 %	12	19	13	16	9	11	4	11	8	19	11	11	5	10	11	10	7	13	7	6	11	9	14	9	11	14	18	13	6	4	0	2	0	0	0	2	5	0	3	0	0	0	0	2	2	2	5	7	2	2	5	12	25	6	6	0	7	9	
CSSS VALLÉE-DE-LA-GATINEAU	< 100	≥ 50 %	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	10	0	0	11	0	34	0	0	0	0	28	32	44	87	0	0	0	9	19	16	0	9	10	0	0	9	9	0	0	9	8	0	0	0	17	42	9	18	10	0
CH DU PONTIAC	< 100	35 % à 49 %	23	11	0	13	0	0	11	10	0	0	12	0	0	12	0	10	10	0	0	0	0	11	0	9	0	11	9	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	9	0	0	13	0	24	0				
PAVILLON DU CH	< 100	≥ 50 %	0	0	6	6	0	0	0	0	0	0	0	0	0	6	6	6	0	0	0	19	0	19	19	0	11	0	0	12	7	13	0	13	13	0	0	0	0	0	0	0	7	0	0	7	0	0	7	0	10	0	0	0	6	0	0				
Outaouais	—	—	11	10	7	13	9	7	9	9	6	9	10	8	3	7	8	8	5	7	3	5	11	9	12	8	9	8	11	9	6	11	8	6	9	3	0	2	3	2	4	0	1	1	5	0	3	2	3	5	4	3	2	11	10	13	6	5	5	7	5
Province de Québec	—	—	8	7	6	6	6	6	5	7	6	7	6	7	7	8	8	7	6	5	5	4	6	6	7	7	6	6	6	6	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7	7	6	7	8	8	8	7	7	6	6	6	5		

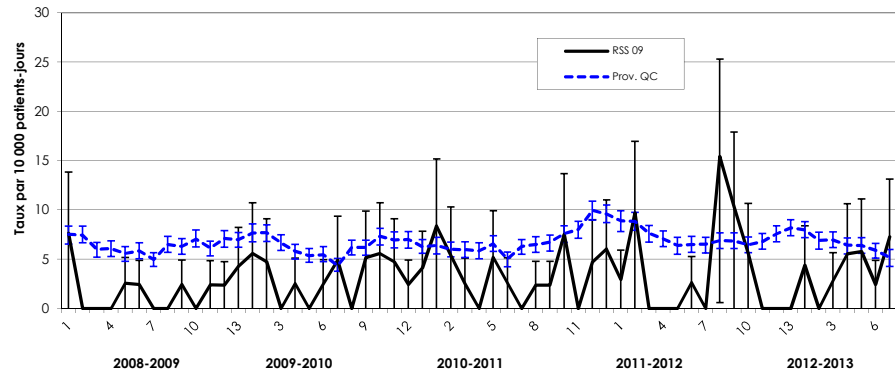
Data source : Clostridium difficile infection monitoring data, INSPQ

- Notes: 1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin). CHR: centre hospitalier régional; CH: centre hospitalier.
2. The data have been validated, and the data retrieval date is November 8th, 2012.
3. The facilities participating in CDAD surveillance are included in the region.

Clostridium difficile infection monitoring data
in Québec hospital centres

REGION 09, Côte-Nord

**CDAD incidence rate per 10,000 patient-days by administrative periods with a 95% confidence intervals
Côte-Nord and province of Quebec, April 1st, 2008 to November 20th, 2012**



Definition of administrative Periods

Periods	2008-09	2009-10	2010-11	2011-12	2012-13
1	26-04-08	25-04-09	24-04-10	23-04-11	05-05-12
2	24-05-08	23-05-09	22-05-10	21-05-11	02-06-12
3	21-06-08	21-06-08	19-06-10	18-06-11	30-06-12
4	19-07-08	18-07-09	17-07-10	16-07-11	28-07-12
5	16-08-08	15-08-09	14-08-10	13-08-11	25-08-12
6	13-09-08	12-09-09	11-09-10	10-09-11	22-09-12
7	11-10-08	10-10-09	09-10-10	08-10-11	20-10-12
8	08-11-08	07-11-09	06-11-10	05-11-11	17-11-12
9	06-12-08	05-12-09	04-12-10	03-12-11	15-12-12
10	03-01-09	02-01-10	01-01-11	31-12-11	12-01-13
11	31-01-09	31-01-10	29-01-11	28-01-12	09-02-13
12	28-02-09	27-02-10	26-02-11	25-02-12	09-03-13
13	31-03-09	31-03-10	31-03-11	31-03-12	31-03-13

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Côte-Nord and province of Quebec, April 1st, 2008 to November 20th, 2012**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																											
			2008-2009													2009-2010													2010-2011													2011-2012													2012-2013							
			1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	
CHR BAIE-COMEAU	< 100	35 % à 49 %	0	0	0	0	0	0	0	0	0	4	0	5	4	8	10	9	0	0	0	4	5	0	0	5	8	4	3	9	5	0	0	9	0	0	0	0	4	0	0	4	0	13	0	0	0	5	0	13	4	0	0	0	0	4	0	0	10	10	0	4
CHR DE SEPT-ÎLES	< 100	< 35 %	16	0	0	0	6	5	0	0	0	0	0	0	0	0	0	0	0	6	0	0	5	0	14	7	0	0	5	7	6	6	0	0	6	0	6	5	12	0	11	9	7	6	0	0	0	0	0	19	19	14	0	0	0	5	0	6	0	0	6	11
Côte-Nord	—	—	8	0	0	0	3	2	0	0	2	0	2	2	4	6	5	0	3	0	2	5	0	5	6	5	2	4	8	5	3	0	5	3	0	2	2	8	0	5	6	3	10	0	0	0	3	0	15	10	6	0	0	0	4	0	3	6	6	2	7	
Province de Québec	—	—	8	7	6	6	6	6	5	7	6	7	6	7	7	8	8	7	6	5	5	4	6	6	7	7	6	6	6	6	6	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7	7	6	7	8	8	7	7	6	6	6	5			

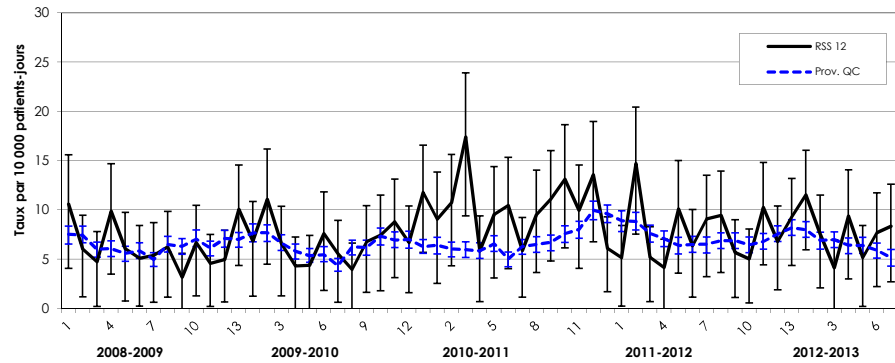
Data source : Clostridium difficile infection monitoring data, INSPQ

- Notes: 1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin). CHR: centre hospitalier régional; CH: centre hospitalier.
 2. The data have been validated, and the data retrieval date is November 8th, 2012.
 3. The facilities participating in CDAD surveillance are included in the region.

Clostridium difficile infection monitoring data
in Québec hospital centres

REGION 12, Chaudière-Appalaches

**CDAD incidence rate per 10,000 patient-days by administrative periods with a 95% confidence intervals
Chaudière-Appalaches and province of Quebec, April 1st, 2008 to November 20th, 2012**



Definition of administrative Periods

Periods	2008-09	2009-10	2010-11	2011-12	2012-13
1	26-04-08	25-04-09	24-04-10	23-04-11	05-05-12
2	24-05-08	23-05-09	22-05-10	21-05-11	02-06-12
3	21-06-08	21-06-08	19-06-10	18-06-11	30-06-12
4	19-07-08	18-07-09	17-07-10	16-07-11	28-07-12
5	16-08-08	15-08-09	14-08-10	13-08-11	25-08-12
6	13-09-08	12-09-09	11-09-10	10-09-11	22-09-12
7	11-10-08	10-10-09	09-10-10	08-10-11	20-10-12
8	08-11-08	07-11-09	06-11-10	05-11-11	17-11-12
9	06-12-08	05-12-09	04-12-10	03-12-11	15-12-12
10	03-01-09	02-01-10	01-01-11	31-12-11	12-01-13
11	31-01-09	31-01-10	29-01-11	28-01-12	09-02-13
12	28-02-09	27-02-10	26-02-11	25-02-12	09-03-13
13	31-03-09	31-03-10	31-03-11	31-03-12	31-03-13

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Chaudière-Appalaches and province of Quebec, April 1st, 2008 to November 20th, 2012**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																										
			2008-2009													2009-2010													2010-2011													2011-2012													2012-2013						
			1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7
HÔTEL-DIEU DE LÉVIS	≥ 250	35 % à 49 %	7	2	2	16	7	5	7	3	7	12	11	2	16	13	14	7	4	6	11	10	7	8	11	15	8	18	6	12	25	5	8	16	6	10	16	20	17	17	7	4	17	3	2	12	10	13	10	6	5	13	6	10	19	8	2	13	9	12	10
CH BEAUCE-ETCHEMIN	100 à 249	35 % à 49 %	13	12	3	6	4	0	3	11	0	3	0	14	2	0	3	9	9	0	0	0	0	3	3	5	7	0	3	3	7	3	3	3	0	6	12	8	14	10	0	21	12	6	7	3	11	16	5	5	10	10	4	9	3	0	7	4	3	13	
HÔTEL-DIEU DE MONTMAGNY	< 100	35 % à 49 %	6	0	13	0	0	6	6	0	0	0	0	0	5	0	18	6	0	8	13	7	0	11	6	0	0	10	33	30	40	6	19	0	17	29	18	0	0	16	5	21	0	6	7	14	0	0	0	5	5	5	5	24	5	12	19	7	0	12	6
CH DE LA RÉGION DE L'AMIANTE	100 à 249	35 % à 49 %	21	14	11	7	12	12	6	11	0	0	0	4	14	10	11	0	0	6	6	0	6	10	6	10	10	5	13	5	0	6	17	16	0	9	0	5	0	0	0	5	10	0	6	6	5	0	5	5	5	9	4	4	0	9	5	6	0	0	0
Chaudière-Appalaches	—	—	11	6	5	10	6	5	5	6	3	7	5	5	10	7	11	7	4	4	8	6	4	7	7	9	7	12	9	11	17	6	10	10	6	10	11	13	10	14	6	5	15	5	4	10	6	9	9	6	5	10	7	9	12	8	4	9	5	8	8
Province de Québec	—	—	8	7	6	6	6	6	5	7	6	7	6	7	7	8	8	7	6	5	5	4	6	6	7	7	7	6	6	6	6	6	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7	6	7	8	8	8	7	7	6	6	6	5	

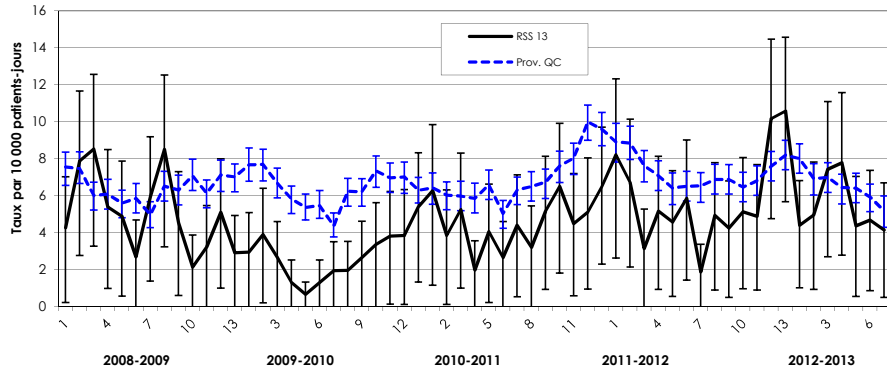
Data source : Clostridium difficile infection monitoring data, INSPQ

- Notes: 1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin). CHR: centre hospitalier régional; CH: centre hospitalier.
2. The data have been validated, and the data retrieval date is November 8th, 2012.
3. The facilities participating in CDAD surveillance are included in the region.

Clostridium difficile infection monitoring data
in Québec hospital centres

REGION 13, Laval

**CDAD incidence rate per 10,000 patient-days by administrative periods with a 95% confidence intervals
Laval and province of Quebec, April 1st, 2008 to November 20th, 2012**



Definition of administrative Periods

Periods	2008-09	2009-10	2010-11	2011-12	2012-13
1	26-04-08	25-04-09	24-04-10	23-04-11	05-05-12
2	24-05-08	23-05-09	22-05-10	21-05-11	02-06-12
3	21-06-08	21-06-08	19-06-10	18-06-11	30-06-12
4	19-07-08	18-07-09	17-07-10	16-07-11	28-07-12
5	16-08-08	15-08-09	14-08-10	13-08-11	25-08-12
6	13-09-08	12-09-09	11-09-10	10-09-11	22-09-12
7	11-10-08	10-10-09	09-10-10	08-10-11	20-10-12
8	08-11-08	07-11-09	06-11-10	05-11-11	17-11-12
9	06-12-08	05-12-09	04-12-10	03-12-11	15-12-12
10	03-01-09	02-01-10	01-01-11	31-12-11	12-01-13
11	31-01-09	31-01-10	29-01-11	28-01-12	09-02-13
12	28-02-09	27-02-10	26-02-11	25-02-12	09-03-13
13	31-03-09	31-03-10	31-03-11	31-03-12	31-03-13

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Laval and province of Quebec, April 1st, 2008 to November 20th, 2012**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																										
			2008-2009													2009-2010													2010-2011													2011-2012													2012-2013						
			1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7
CITE DE LA SANTÉ DE LAVAL	≥ 250	< 35 %	5	8	9	6	5	3	8	7	6	2	4	4	4	4	5	1	2	0	2	2	2	3	4	4	4	4	6	5	7	3	5	3	5	3	5	8	6	7	7	9	8	4	7	5	7	2	6	5	7	5	12	12	4	6	8	9	5	6	4
HÔPITAL JUIF DE RÉADAPTATION	100 à 249	≥ 50 %	0	6	6	3	3	0	0	13	0	3	0	9	0	0	0	9	0	3	3	0	0	3	3	10	7	0	0	0	0	3	3	3	6	0	0	0	5	7	3	0	0	3	3	0	0	3	0	6	3	5	5	3	6	3	3	0	3		
Laval	—	—	4	8	9	5	5	3	6	9	5	2	3	5	3	3	4	3	1	1	2	2	3	3	4	4	5	6	4	5	2	4	3	4	3	5	7	4	5	6	8	7	3	5	5	6	2	5	4	5	5	10	11	4	5	7	8	4	5	4	
Province de Québec	—	—	8	7	6	6	6	6	5	7	6	7	6	7	7	8	8	7	6	5	5	4	6	6	7	7	6	6	6	6	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7	7	6	7	8	8	8	7	7	6	6	6	5		

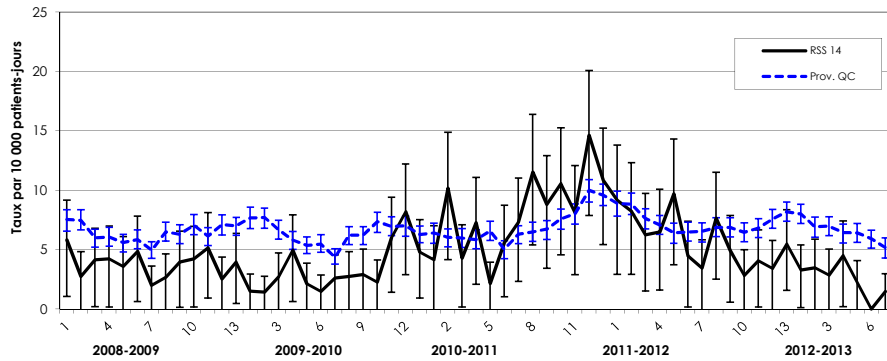
Data source : Clostridium difficile infection monitoring data, INSPQ

- Notes: 1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin). CHR: centre hospitalier régional; CH: centre hospitalier.
 2. The data have been validated, and the data retrieval date is November 8th, 2012.
 3. The facilities participating in CDAD surveillance are included in the region.

Clostridium difficile infection monitoring data
in Québec hospital centres

REGION 14, Lanaudière

**CDAD incidence rate per 10,000 patient-days by administrative periods with a 95% confidence intervals
Lanaudière and province of Quebec, April 1st, 2008 to November 20th, 2012**



Definition of administrative Periods

Periods finished :	2008-09	2009-10	2010-11	2011-12	2012-13
1	26-04-08	25-04-09	24-04-10	23-04-11	05-05-12
2	24-05-08	23-05-09	22-05-10	21-05-11	02-06-12
3	21-06-08	21-06-08	19-06-10	18-06-11	30-06-12
4	19-07-08	18-07-09	17-07-10	16-07-11	28-07-12
5	16-08-08	15-08-09	14-08-10	13-08-11	25-08-12
6	13-09-08	12-09-09	11-09-10	10-09-11	22-09-12
7	11-10-08	10-10-09	09-10-10	08-10-11	20-10-12
8	08-11-08	07-11-09	06-11-10	05-11-11	17-11-12
9	06-12-08	05-12-09	04-12-10	03-12-11	15-12-12
10	03-01-09	02-01-10	01-01-11	31-12-11	12-01-13
11	31-01-09	31-01-10	29-01-11	28-01-12	09-02-13
12	28-02-09	27-02-10	26-02-11	25-02-12	09-03-13
13	31-03-09	31-03-10	31-03-11	31-03-12	31-03-13

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Lanaudière and province of Quebec, April 1st, 2008 to November 20th, 2012**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																										
			2008-2009													2009-2010													2010-2011													2011-2012													2012-2013						
			1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7
CH PIERRE-LE GARDEUR	100 à 249	< 35 %	3	3	1	1	1	4	1	3	4	5	1	1	1	0	0	0	3	4	0	3	0	1	1	1	7	3	2	1	3	4	1	3	6	5	4	1	5	5	3	0	3	3	1	4	0	3	0	0	1	4	3	1	2	0	0	0	0	0	0
CHR DE LANAUDIÈRE	≥ 250	35 % à 49 %	9	3	8	8	7	6	3	3	4	3	9	4	7	3	3	5	7	0	3	3	6	5	4	12	9	7	7	20	6	11	3	9	8	19	15	21	12	26	20	19	15	11	12	15	9	4	16	10	5	5	4	11	5	8	6	9	5	0	1
Lanaudière	—	—	6	3	4	4	4	5	2	3	4	4	5	3	4	2	1	3	5	2	1	3	3	3	2	6	8	5	4	10	4	7	2	6	7	12	9	11	8	15	11	9	8	6	6	10	4	3	8	5	3	4	3	5	3	3	3	5	2	0	1
Province de Québec	—	—	8	7	6	6	6	6	5	7	6	7	6	7	7	8	8	7	6	5	5	4	6	6	7	7	6	6	6	6	6	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7	7	6	7	8	8	7	7	6	6	6	5		

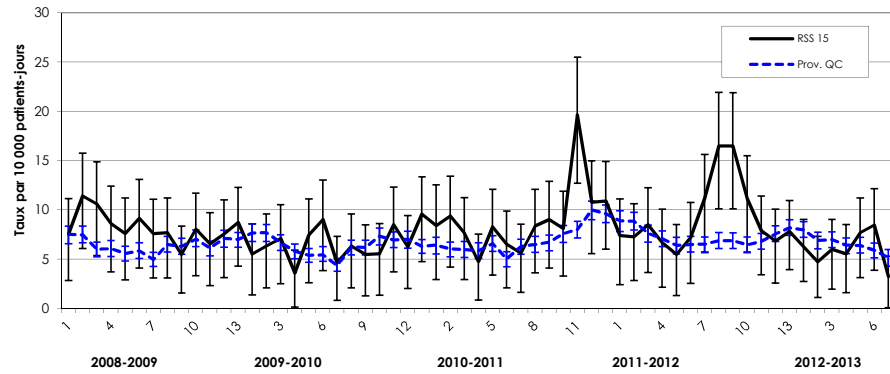
Data source : Clostridium difficile infection monitoring data, INSPQ

- Notes: 1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin). CHR: centre hospitalier régional; CH: centre hospitalier.
2. The data have been validated, and the data retrieval date is November 8th, 2012.
3. The facilities participating in CDAD surveillance are included in the region.

Clostridium difficile infection monitoring data
in Québec hospital centres

REGION 15, Laurentides

**CDAD incidence rate per 10,000 patient-days by administrative periods with a 95% confidence intervals
Laurentides and province of Quebec, April 1st, 2008 to November 20th, 2012**



Definition of administrative Periods

Periods	2008-09	2009-10	2010-11	2011-12	2012-13
1	26-04-08	25-04-09	24-04-10	23-04-11	05-05-12
2	24-05-08	23-05-09	22-05-10	21-05-11	02-06-12
3	21-06-08	21-06-08	19-06-10	18-06-11	30-06-12
4	19-07-08	18-07-09	17-07-10	16-07-11	28-07-12
5	16-08-08	15-08-09	14-08-10	13-08-11	25-08-12
6	13-09-08	12-09-09	11-09-10	10-09-11	22-09-12
7	11-10-08	10-10-09	09-10-10	08-10-11	20-10-12
8	08-11-08	07-11-09	06-11-10	05-11-11	17-11-12
9	06-12-08	05-12-09	04-12-10	03-12-11	15-12-12
10	03-01-09	02-01-10	01-01-11	31-12-11	12-01-13
11	31-01-09	31-01-10	29-01-11	28-01-12	09-02-13
12	28-02-09	27-02-10	26-02-11	25-02-12	09-03-13
13	31-03-09	31-03-10	31-03-11	31-03-12	31-03-13

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Laurentides and province of Quebec, April 1st, 2008 to November 20th, 2012**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																												
			2008-2009													2009-2010													2010-2011													2011-2012													2012-2013								
			1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7		
CH SAINT-EUSTACHE	100 à 249	35 % à 49 %	11	9	13	9	7	15	10	2	8	11	8	14	21	13	13	0	2	7	5	2	10	5	7	2	4	5	3	4	0	4	6	2	0	6	4	8	22	7	14	6	7	10	6	4	8	13	14	10	5	2	6	4	3	2	7	0	3	3	3		
L'HÔPITAL D'ARGENTEUIL	< 100	≥ 50 %	0	23	23	8	15	0	0	0	7	22	14	0	21	9	15	15	7	0	16	16	16	0	19	8	24	14	21	9	10	0	16	17	20	9	0	9	58	17	0	0	9	10	10	0	16	8	36	33	24	8	18	53	34	41	10	11	0	0			
CENTRE DE MONT-LAURIER	< 100	35 % à 49 %	0	14	7	32	7	23	14	15	0	0	7	8	0	16	0	0	0	0	0	16	0	0	0	0	0	0	7	9	33	17	17	0	8	0	0	7	0	7	0	12	8	0	15	0	7	0	7	0	22	9	0	0	6	6	8	0	8	22	7	0	
HÔTEL-DIEU DE SAINT-JÉRÔME	≥ 250	35 % à 49 %	10	12	11	6	9	6	9	12	6	7	5	6	3	0	4	13	4	8	9	5	5	8	4	14	8	11	12	12	13	5	11	8	10	13	10	4	13	15	11	11	9	9	10	4	10	12	24	19	16	14	9	9	4	1	4	10	9	14	5		
CH LAURENTIEN	< 100	35 % à 49 %	0	8	0	0	0	4	0	4	0	4	4	4	0	0	0	0	4	14	9	4	0	4	5	9	0	12	0	0	0	0	5	5	0	4	20	26	25	9	8	0	9	0	0	9	5	5	9	10	0	0	4	11	0	9	0	0	5	10	0		
Laurentides	—	—	8	11	11	9	8	9	8	8	5	8	7	8	9	6	6	7	4	7	9	5	6	5	6	8	6	10	8	9	8	5	8	7	6	8	9	8	20	11	11	7	7	9	7	5	7	11	17	17	11	8	7	8	6	5	6	6	8	8	3		
Province de Québec	—	—	8	7	6	6	6	6	5	7	6	7	6	7	7	8	8	7	6	5	5	4	6	6	7	7	6	6	6	6	7	5	6	6	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7	7	6	7	8	8	8	7	7	6	6	6	5

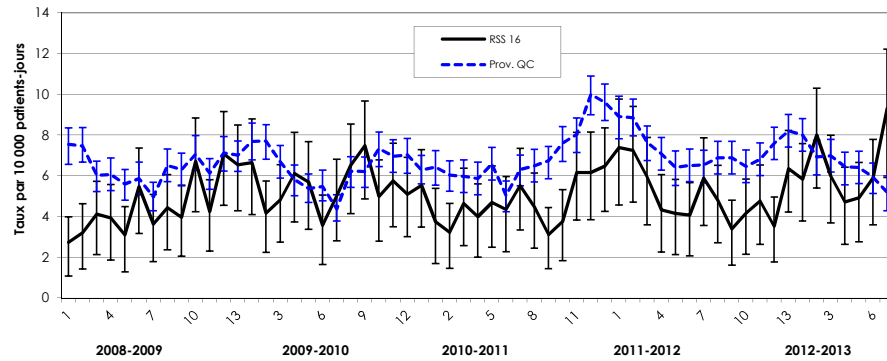
Data source : Clostridium difficile infection monitoring data, INSPQ

- Notes: 1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin). CHR: centre hospitalier régional; CH: centre hospitalier.
2. The data have been validated, and the data retrieval date is November 8th, 2012.
3. The facilities participating in CDAD surveillance are included in the region.

Clostridium difficile infection monitoring data
in Québec hospital centres

REGION 16, Montérégie

**CDAD incidence rate per 10,000 patient-days by administrative periods with a 95% confidence intervals
Montérégie and province of Quebec, April 1st, 2008 to November 20th, 2012**



Definition of administrative Periods

Periods	2008-09	2009-10	2010-11	2011-12	2012-13
1	26-04-08	25-04-09	24-04-10	23-04-11	05-05-12
2	24-05-08	23-05-09	22-05-10	21-05-11	02-06-12
3	21-06-08	21-06-08	19-06-10	18-06-11	30-06-12
4	19-07-08	18-07-09	17-07-10	16-07-11	28-07-12
5	16-08-08	15-08-09	14-08-10	13-08-11	25-08-12
6	13-09-08	12-09-09	11-09-10	10-09-11	22-09-12
7	11-10-08	10-10-09	09-10-10	08-10-11	20-10-12
8	08-11-08	07-11-09	06-11-10	05-11-11	17-11-12
9	06-12-08	05-12-09	04-12-10	03-12-11	15-12-12
10	03-01-09	02-01-10	01-01-11	31-12-11	12-01-13
11	31-01-09	31-01-10	29-01-11	28-01-12	09-02-13
12	28-02-09	27-02-10	26-02-11	25-02-12	09-03-13
13	31-03-09	31-03-10	31-03-11	31-03-12	31-03-13

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Montérégie and province of Quebec, April 1st, 2008 to November 20th, 2012**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																																
			2008-2009													2009-2010													2010-2011													2011-2012													2012-2013												
			1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7						
HÔPITAL CHARLES LEMOYNE	≥ 250	35 % à 49 %	3	2	2	6	0	5	3	4	6	11	5	15	4	13	6	3	2	4	11	12	23	19	10	8	4	7	6	3	8	6	3	8	9	3	3	6	15	15	8	7	8	11	4	10	12	11	6	3	5	4	6	5	5	8	10	13	11	9	12						
HÔPITAL DU HAUT-RICHELIEU	≥ 250	35 % à 49 %	2	3	4	3	2	5	2	6	2	7	3	3	1	0	6	6	8	3	2	3	3	3	5	10	6	10	7	5	12	12	12	6	8	9	3	3	2	6	1	4	11	8	5	2	8	5	3	7	6	13	1	13	3	6	4	3	9	13	18						
CH PIERRE-BOUCHER	≥ 250	35 % à 49 %	0	1	1	1	3	1	0	0	0	3	1	1	1	0	0	1	4	3	0	5	1	3	0	2	2	2	3	2	2	0	1	0	1	2	1	0	0	5	10	11	9	4	7	7	1	5	10	8	4	1	1	3	7	2	1	1	3	5	0						
CH HONORÉ-MERCIER	100 à 249	35 % à 49 %	4	2	4	4	2	11	5	7	7	4	9	5	16	12	7	7	9	4	4	2	0	4	2	9	5	11	4	4	4	4	6	2	4	4	6	2	8	2	5	5	2	4	2	0	4	4	4	0	4	7	6	15	6	15	8	4	0	6	8						
HÔTEL-DIEU DE SOREL	100 à 249	35 % à 49 %	11	5	8	5	5	8	3	5	5	8	2	19	18	3	0	17	16	15	0	5	8	5	13	3	15	7	0	5	5	5	5	5	17	8	0	8	10	5	6	6	3	8	3	3	0	5	3	3	0	5	13	4	4	8	3	3	3	3	3						
CH ANNA-LABERGE	100 à 249	35 % à 49 %	4	5	6	8	4	2	5	2	9	11	5	3	16	6	5	4	5	11	2	3	5	9	4	5	2	0	2	2	2	2	4	4	3	3	2	6	0	2	5	2	7	2	2	2	2	5	7	0	2	4	0	1	1	0	2	2	0	0	2						
CH DE GRANBY	100 à 249	35 % à 49 %	3	12	9	6	10	3	3	3	0	3	3	0	0	10	0	0	0	9	0	0	0	6	6	3	8	7	0	0	3	3	0	0	3	0	0	11	6	16	18	12	0	0	3	0	3	3	0	6	3	3	0	9	48	17	6	3	3	9							
CHRS DU SUROÛT	100 à 249	35 % à 49 %	0	2	2	0	6	7	0	2	0	7	9	5	4	10	7	5	2	0	0	0	0	4	2	2	6	2	0	2	2	0	2	9	4	6	13	5	2	2	2	5	2	5	2	0	0	4	0	0	2	0	2	3	8	0	4	2	0	2	0						
HÔPITAL BROME-MISSISQUOI-PERKINS	< 100	35 % à 49 %	0	0	5	0	5	5	16	0	10	0	0	5	0	6	5	5	16	5	5	5	0	10	0	0	10	5	0	0	0	0	5	0	0	0	0	0	0	0	8	11	10	10	5	0	5	0	5	9	4	0	11	16	5	9	5	5	0	0							
HÔPITAL BARRIE MEMORIAL	< 100	≥ 50 %	0	0	0	0	0	30	29	46	0	0	0	10	0	0	0	0	11	12	17	13	12	26	0	0	0	0	0	0	0	12	0	0	0	0	21	13	11	0	22	9	10	27	0	0	0	0	10	0	0	28	8	0	11	0	23	22	0								
Montérégie	—	—	3	3	4	4	3	5	4	4	4	4	7	4	7	7	7	4	5	6	6	4	5	7	7	5	6	5	6	4	3	5	4	5	4	6	4	3	4	6	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7	7	6	7	8	8	8	7	7	6	6	6	5
Province de Québec	—	—	8	7	6	6	6	6	5	7	6	7	6	7	7	8	8	7	6	5	5	4	6	6	7	7	6	6	6	6	6	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7	7	6	7	8	8	8	7	7	6	6	6	5							

Data source : Clostridium difficile infection monitoring data, INSPQ

- Notes: 1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin). CHR: centre hospitalier régional; CH: centre hospitalier.
2. The data have been validated, and the data retrieval date is November 8th, 2012.
3. The facilities participating in CDAD surveillance are included in the region.