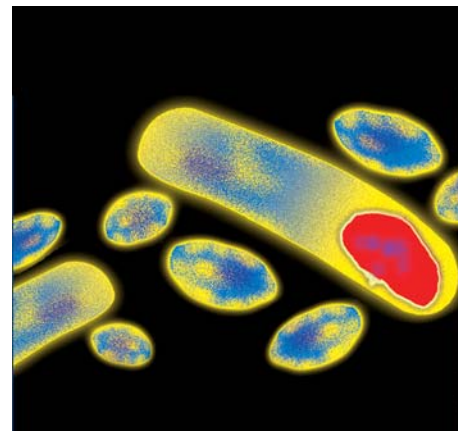


Surveillance data on

Clostridium difficile

Infection in Québec hospitals

News Bulletin n° 26, January 2012



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

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Infection monitoring data on *Clostridium difficile* in Québec hospital centres

At the request of the Ministère de la Santé et des Services sociaux (MSSS), the monitoring system for *Clostridium difficile* infections was set up at the end of August 2004. It is operated by the Institut national de santé publique du Québec (INSPQ). The work was carried out with the help of experts from the Comité des infections nosocomiales du Québec (CINQ) and its subcommittee on provincial monitoring of nosocomial infections (*surveillance provinciale des infections nosocomiales*, SPIN).

C. difficile infection monitoring is done with the participation of 95 general and specialized hospital centres (*centres hospitaliers de soins généraux et spécialisés*, CHSGSs) in Québec. The participating hospital centres (HCs) all have more than 1,000 admissions for short-term care per year, other than in psychiatry, and neonatology.

The main objective of the monitoring system is to track trends in *Clostridium difficile* infections in the province's CHSGSs in order to adopt control measures appropriate to each HC.

This document, published on the MSSS's website (www.msss.gouv.qc.ca), is meant to inform the public on monitoring of nosocomial *C. difficile* infections, giving incidence rates by HC, by health region, and for all of Québec.

Rates are calculated according to validated data, i.e. data that have been checked for correctness. The validation procedure takes three months and involves several stages. Data updates can be done after validation periods affecting completeness.

The data will be updated periodically.

WARNING

It is important to remember to **be cautious in interpreting incidence data** for this illness, especially in comparing institutions and regions. Several factors can affect 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 above 65 in the HC, and of course the *C. difficile* strain virulence being spread.

Moreover, *C. difficile* rates vary seasonally. An increase of infection rates in several centres over the winter months is to be expected. Also, rates can fluctuate significantly from one period to another because of a small denominator. Fluctuations due to chance level out when different periods are taken together.

For help interpreting these data, please consult the INSPQ's detailed epidemiological reports, which contain an analysis and interpretation of the data. These reports may be consulted on the INSPQ's website at www.inspq.qc.ca.

Presentation of *Clostridium difficile* data

Data on *C. difficile* only deal with nosocomial infections, i.e. infections whose symptoms began more than 72 hours after admission to an HC or less than 4 weeks after the patient's discharge. Monitoring includes all new cases of *C. difficile* infections hospitalized in the HC where the infection was contracted.

Data are presented in tabular and graph formats by region.

The **tables** present data on incidence by administrative period and for each HC in the region participating in monitoring. The incidence is calculated by dividing the number of cases observed in the HC by the average number of patient-days per administrative period for the institution (e.g. 1,000 patients staying an average of 10 days = 10,000 patient-days). This allows the level of hospital activity, which fluctuates over time and differs from HC to HC, to be taken into account. Rates are expressed as cases per 10,000 patient-days. Data are aggregated to four-week administrative periods, defined in Table 1. The size of the HCs is expressed in number of beds and in the percentage of people aged over 65.

Each regional rate is presented **graphically** and is compared to the incidence for the whole province. These are aggregated data. The regional incidences are compiled from the data from the HCs in a given region, just as the provincial rates are compiled from the data from all participating HCs.

Table 1. Administrative periods are defined as follows :

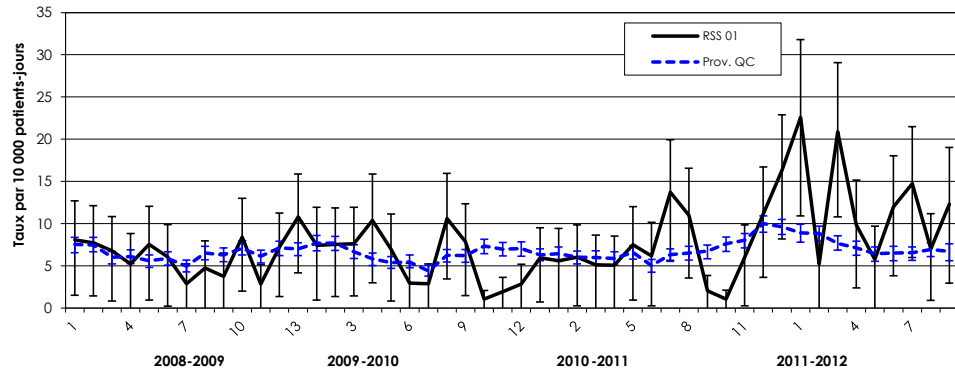
Period end date :

PEriod	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
1	01-05-04	30-04-05	29-04-06	28-04-07	26-04-08	25-04-09	24-04-10	23-04-11
2	29-05-04	28-05-05	27-05-06	26-05-07	24-05-08	23-05-09	22-05-10	21-05-11
3	26-06-04	25-06-05	24-06-06	23-06-07	21-06-08	20-06-09	19-06-10	18-06-11
4	24-07-04	23-07-05	22-07-06	21-07-07	19-07-08	18-07-09	17-07-10	16-07-11
5	21-08-04	20-08-05	19-08-06	18-08-07	16-08-08	15-08-09	14-08-10	13-08-11
6	18-09-04	17-09-05	16-09-06	15-09-07	13-09-08	12-09-09	11-09-10	10-09-11
7	16-10-04	15-10-05	14-10-06	13-10-07	11-10-08	10-10-09	09-10-10	08-10-11
8	13-11-04	12-11-05	11-11-06	10-11-07	08-11-08	07-11-09	06-11-10	05-11-11
9	11-12-04	10-12-05	09-12-06	08-12-07	06-12-08	05-12-09	04-12-10	03-12-11
10	08-01-05	07-01-06	06-01-07	05-01-08	03-01-09	02-01-10	01-01-11	31-12-11
11	05-02-05	04-02-06	03-02-07	02-02-08	31-01-09	31-01-10	29-01-11	28-01-12
12	05-03-05	04-03-06	03-03-07	01-03-08	28-02-09	27-02-10	26-02-11	25-02-12
13	31-03-05	31-03-06	31-03-07	31-03-08	31-03-09	31-03-10	31-03-11	31-03-12

**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 December 3rd, 2011**



Definition of administrative Periods

Periods	2007-08	2008-09	2009-10	2010-11	2011-12
1	28-04-07	26-04-08	25-04-09	24-04-10	23-04-11
2	26-05-07	24-05-08	23-05-09	22-05-10	21-05-11
3	23-06-07	21-06-08	21-06-08	19-06-10	18-06-11
4	21-07-07	19-07-08	18-07-09	17-07-10	16-07-11
5	18-08-07	16-08-08	15-08-09	14-08-10	13-08-11
6	15-09-07	13-09-08	12-09-09	11-09-10	10-09-11
7	13-10-07	11-10-08	10-10-09	09-10-10	08-10-11
8	10-11-07	08-11-08	07-11-09	06-11-10	05-11-11
9	08-12-07	06-12-08	05-12-09	04-12-10	03-12-11
10	05-01-08	03-01-09	02-01-10	01-01-11	31-12-11
11	02-02-08	31-01-09	31-01-10	29-01-11	28-01-12
12	01-03-08	28-02-09	27-02-10	26-02-11	25-02-12
13	31-03-08	31-03-09	31-03-10	31-03-11	31-03-12

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Bas-Saint-Laurent and province of Quebec, April 1st, 2008 to December 3rd, 2011**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																															
			2008-2009													2009-2010													2010-2011										2011-2012											
			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
CHR 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
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	4	4	0	4	
CENTRE NOTRE-DAME-DE-FATIMA	< 100	>= 50%	0	0	0	0	32	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	15	0	0	0	0	25	14	46	31	0	26	0	13	0	0	14	—	
CH 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	10	0	10	10	0	0	0	0	9	0	0	0	19	10	0	0	0	—			
CH D'AMQUI	< 100	>= 50%	0	0	0	13	0	0	0	0	12	14	0	0	12	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	—	
CH 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	13	14	0	13	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	14	
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	12
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	

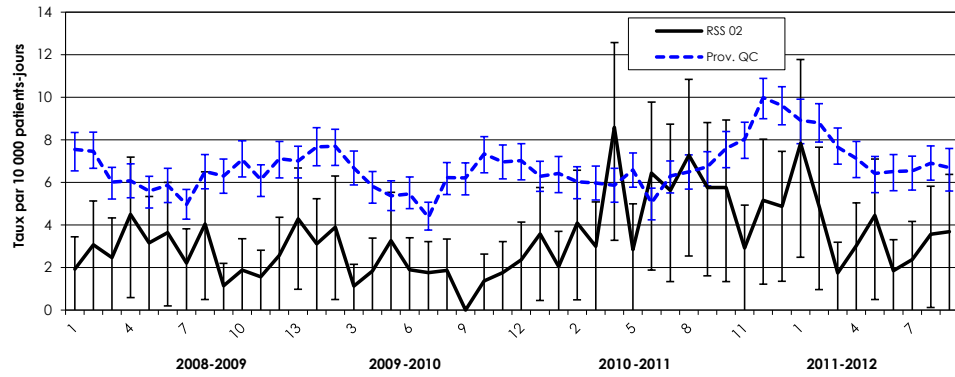
Data source : Clostridium difficile infection monitoring data, INSPQ

- Note: 1. CDAD : Clostridium difficile -associated diarrhea (of nosocomial origin).
 2. The data have been validated, and the data retrieval date is December 19th, 2011.
 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 December 3rd, 2011**



Definition of administrative Periods

Periods	2007-08	2008-09	2009-10	2010-11	2011-12
1	28-04-07	26-04-08	25-04-09	24-04-10	23-04-11
2	26-05-07	24-05-08	23-05-09	22-05-10	21-05-11
3	23-06-07	21-06-08	21-06-08	19-06-10	18-06-11
4	21-07-07	19-07-08	18-07-09	17-07-10	16-07-11
5	18-08-07	16-08-08	15-08-09	14-08-10	13-08-11
6	15-09-07	13-09-08	12-09-09	11-09-10	10-09-11
7	13-10-07	11-10-08	10-10-09	09-10-10	08-10-11
8	10-11-07	08-11-08	07-11-09	06-11-10	05-11-11
9	08-12-07	06-12-08	05-12-09	04-12-10	03-12-11
10	05-01-08	03-01-09	02-01-10	01-01-11	31-12-11
11	02-02-08	31-01-09	31-01-10	29-01-11	28-01-12
12	01-03-08	28-02-09	27-02-10	26-02-11	25-02-12
13	31-03-08	31-03-09	31-03-10	31-03-11	31-03-12

**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 December 3rd, 2011**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																
			2008-2009													2009-2010													2010-2011										2011-2012												
			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
COMPLEXE HOSPITALIER DE LA SAGAMIE	>= 250	<35%	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	
CH 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	
CENTRE MARIA-CHAPDELAIN - DOLBEAU	< 100	35% à 49%	8	16	15	8	0	7	0	6	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	0	7	6	0	5	0	0	6	6	12	0	0	6	—		
HÔTEL-DIEU DE ROBERVAL	100 à 249	<35%	0	4	4	4	0	0	0	0	0	4	0	0	3	0	0	0	0	0	5	4	0	0	0	0	3	0	0	8	9	5	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—			
PAVILLON DE L'HÔTEL-DIEU 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	—		
Saguenay—Lac-Saint-Jean	—	—	2	3	2	4	3	4	2	4	1	2	2	3	4	3	4	1	2	3	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	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	7		

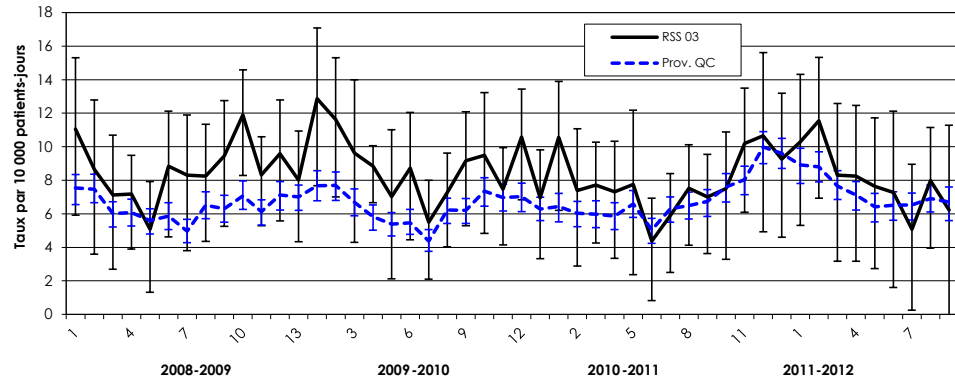
Data source : Clostridium difficile infection monitoring data, INSPQ

- Note:
1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin).
 2. The data have been validated, and the data retrieval date is December 19th, 2011.
 3. The facilities participating in CDAD surveillance are included in the region.

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

REGION 03, Québec

**CDAD incidence rate per 10,000 patient-days by administrative periods with a 95% confidence intervals
Québec and province of Quebec, April 1st, 2008 to December 3rd, 2011**



Definition of administrative Periods

Periods	2007-08	2008-09	2009-10	2010-11	2011-12
1	28-04-07	26-04-08	25-04-09	24-04-10	23-04-11
2	26-05-07	24-05-08	23-05-09	22-05-10	21-05-11
3	23-06-07	21-06-08	21-06-08	19-06-10	18-06-11
4	21-07-07	19-07-08	18-07-09	17-07-10	16-07-11
5	18-08-07	16-08-08	15-08-09	14-08-10	13-08-11
6	15-09-07	13-09-08	12-09-09	11-09-10	10-09-11
7	13-10-07	11-10-08	10-10-09	09-10-10	08-10-11
8	10-11-07	08-11-08	07-11-09	06-11-10	05-11-11
9	08-12-07	06-12-08	05-12-09	04-12-10	03-12-11
10	05-01-08	03-01-09	02-01-10	01-01-11	31-12-11
11	02-02-08	31-01-09	31-01-10	29-01-11	28-01-12
12	01-03-08	28-02-09	27-02-10	26-02-11	25-02-12
13	31-03-08	31-03-09	31-03-10	31-03-11	31-03-12

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Québec and province of Quebec, April 1st, 2008 to December 3rd, 2011**

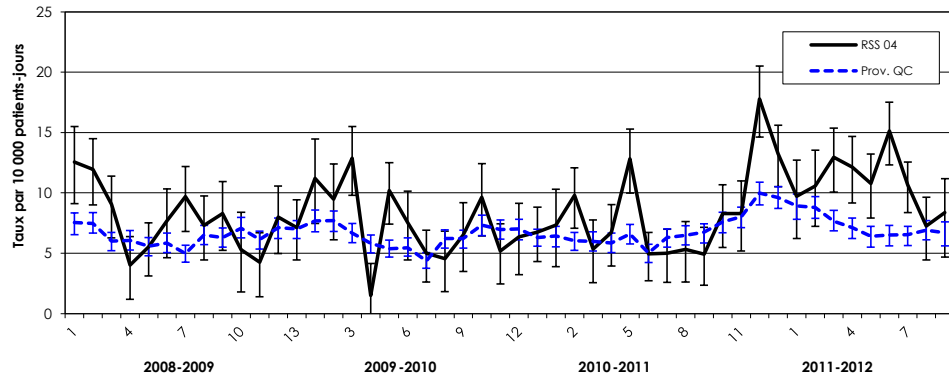
Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																
			2008-2009													2009-2010													2010-2011										2011-2012												
			1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	
HÔPITAL DE L'ENFANT-JÉSUS	>= 250	35% à 49%	6	3	3	4	4	10	10	8	12	11	8	7	9	9	5	10	11	8	13	6	11	10	4	7	8	6	10	5	1	4	5	5	6	2	1	1	5	1	2	2	5	7	5	8	3	4	10	—	
PAVILLON L'HÔTEL-DIEU DE QUÉBEC	>= 250	35% à 49%	23	21	6	9	3	6	10	7	14	3	13	18	8	13	22	9	9	3	13	10	4	3	8	11	19	8	10	13	16	17	13	3	4	17	14	21	14	23	10	29	15	8	8	12	16	3	16	—	
HÔPITAL DU SAINT-SACREMENT	>= 250	<35%	19	8	14	0	14	18	5	17	3	6	8	3	7	3	0	11	3	8	0	5	10	5	3	0	5	2	0	3	5	5	0	3	0	3	5	5	10	7	12	12	2	5	3	0	5	2	2	—	
PAVILLON CH DE L'UNIVERSITÉ LAVAL	>= 250	<35%	14	9	12	5	7	6	11	5	1	11	9	12	11	14	15	6	9	6	6	3	8	15	7	6	4	2	10	4	8	7	13	5	9	9	7	4	4	7	7	6	8	5	7	4	7	7	4	4	
PAVILLON SAINT-FRANCOIS D'ASSISE	>= 250	<35%	8	7	9	18	6	12	7	14	19	29	11	5	3	20	15	17	15	17	10	10	10	13	12	3	3	12	21	10	7	6	13	6	8	8	13	12	20	24	18	9	19	16	9	12	7	8	4	7	
HÔPITAL LAVAL	>= 250	35% à 49%	4	7	4	6	2	8	5	5	5	9	3	13	11	15	11	6	2	2	6	1	1	8	19	13	23	9	6	5	7	3	3	4	4	5	5	3	14	9	10	11	19	11	18	5	4	6	5	8	
CSSS DE CHARLEVOIX	< 100	>= 50%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CH SAINT-JOSEPH DE LA MALBAIE	< 100	35% à 49%	0	13	0	0	0	0	0	0	0	0	11	11	0	13	22	11	12	0	0	0	0	0	0	36	35	23	10	26	45	45	34	0	0	18	27	10	32	19	10	17	0	11	0	0	18	35	0	47	—
Québec	—	—	11	9	7	7	5	9	8	8	9	12	8	10	8	13	12	10	9	7	9	5	7	9	9	7	11	7	11	7	8	7	8	4	6	8	7	8	10	11	9	10	12	8	8	8	7	5	8	6	
Province de Québec	—	—	8	7	6	6	6	6	6	5	7	6	7	6	7	8	8	7	6	5	5	4	6	6	7	7	6	6	6	6	6	6	6	6	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7

Data source : Clostridium difficile infection monitoring data, INSPQ

- Note:
1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin).
 2. The data have been validated, and the data retrieval date is December 19th, 2011.
 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 December 3rd, 2011



Definition of administrative Periods

Periods	2007-08	2008-09	2009-10	2010-11	2011-12
1	28-04-07	26-04-08	25-04-09	24-04-10	23-04-11
2	26-05-07	24-05-08	23-05-09	22-05-10	21-05-11
3	23-06-07	21-06-08	21-06-08	19-06-10	18-06-11
4	21-07-07	19-07-08	18-07-09	17-07-10	16-07-11
5	18-08-07	16-08-08	15-08-09	14-08-10	13-08-11
6	15-09-07	13-09-08	12-09-09	11-09-10	10-09-11
7	13-10-07	11-10-08	10-10-09	09-10-10	08-10-11
8	10-11-07	08-11-08	07-11-09	06-11-10	05-11-11
9	08-12-07	06-12-08	05-12-09	04-12-10	03-12-11
10	05-01-08	03-01-09	02-01-10	01-01-11	31-12-11
11	02-02-08	31-01-09	31-01-10	29-01-11	28-01-12
12	01-03-08	28-02-09	27-02-10	26-02-11	25-02-12
13	31-03-08	31-03-09	31-03-10	31-03-11	31-03-12

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 December 3rd, 2011

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																															
			2008-2009													2009-2010													2010-2011										2011-2012											
			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
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	—
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	13	17	15	16	18	13	8	—
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
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
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	19	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	11	13	12	11	15	11	7	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	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7	7	

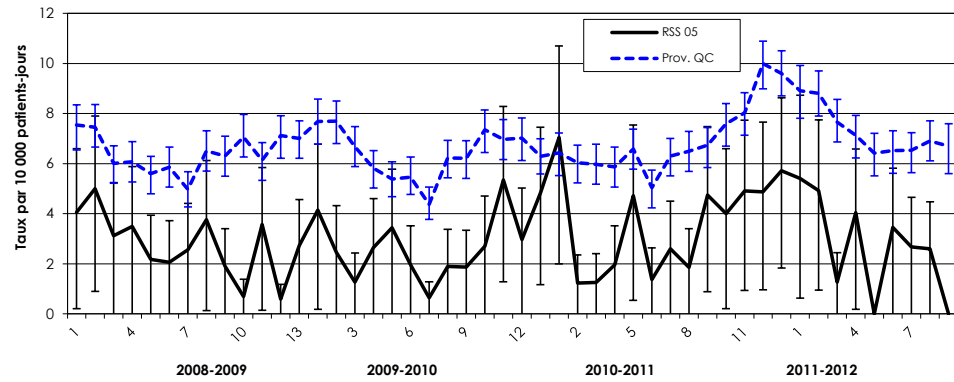
Data source : Clostridium difficile infection monitoring data, INSPQ

- Note: 1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin).
 2. The data have been validated, and the data retrieval date is December 19th, 2011.
 3. The facilities participating in CDAD surveillance are included in the region.

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

REGION 05, Estrie

**CDAD incidence rate per 10,000 patient-days by administrative periods with a 95% confidence intervals
Estrie and province of Quebec. April 1st, 2008 to December 3rd, 2011**



Definition of administrative Periods

Periods	2007-08	2008-09	2009-10	2010-11	2011-12
1	28-04-07	26-04-08	25-04-09	24-04-10	23-04-11
2	26-05-07	24-05-08	23-05-09	22-05-10	21-05-11
3	23-06-07	21-06-08	21-06-08	19-06-10	18-06-11
4	21-07-07	19-07-08	18-07-09	17-07-10	16-07-11
5	18-08-07	16-08-08	15-08-09	14-08-10	13-08-11
6	15-09-07	13-09-08	12-09-09	11-09-10	10-09-11
7	13-10-07	11-10-08	10-10-09	09-10-10	08-10-11
8	10-11-07	08-11-08	07-11-09	06-11-10	05-11-11
9	08-12-07	06-12-08	05-12-09	04-12-10	03-12-11
10	05-01-08	03-01-09	02-01-10	01-01-11	31-12-11
11	02-02-08	31-01-09	31-01-10	29-01-11	28-01-12
12	01-03-08	28-02-09	27-02-10	26-02-11	25-02-12
13	31-03-08	31-03-09	31-03-10	31-03-11	31-03-12

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Estrie and province of Quebec, April 1st, 2008 to December 3rd, 2011**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																	
			2008-2009													2009-2010													2010-2011										2011-2012													
			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		
CHUS - HÔPITAL FLEURIMONT	>= 250	<35%	5	5	2	4	2	2	2	2	1	0	4	0	3	5	1	1	2	6	1	1	3	2	2	6	2	2	2	1	0	1	6	1	4	0	3	1	4	3	10	6	5	1	1	0	2	2	2	—		
CHUS - HÔTEL-DIEU	100 à 249	>= 50%	4	4	6	5	2	2	2	8	0	0	2	0	3	4	5	2	2	0	4	0	0	2	2	5	5	9	17	2	2	4	2	0	0	4	7	8	6	5	0	7	4	2	4	0	6	2	4	—		
CSSS MEMPHRÉMAGOG - SIÈGE SOCIAL	< 100	>= 50%	0	11	0	0	0	0	0	0	11	10	10	11	0	0	0	0	12	0	0	0	0	0	11	0	0	11	0	0	11	0	0	11	0	10	11	0	11	0	0	12	0	0	11	0	33	0	0	13	0	—
CSSS DU GRANIT (SIÈGE SOCIAL)	< 100	>= 50%	0	0	0	0	0	0	16	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	17	16	14	0	0	0	0	0	0	0	0	0	0	0	—			
Estrie	—	—	4	5	3	3	2	2	3	4	2	1	4	1	3	4	2	1	3	3	2	1	2	2	3	5	3	5	7	1	1	2	5	1	3	2	5	4	5	5	6	5	5	1	4	0	3	3	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	6	7	7	6	6	6	6	6	6	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7	7	—

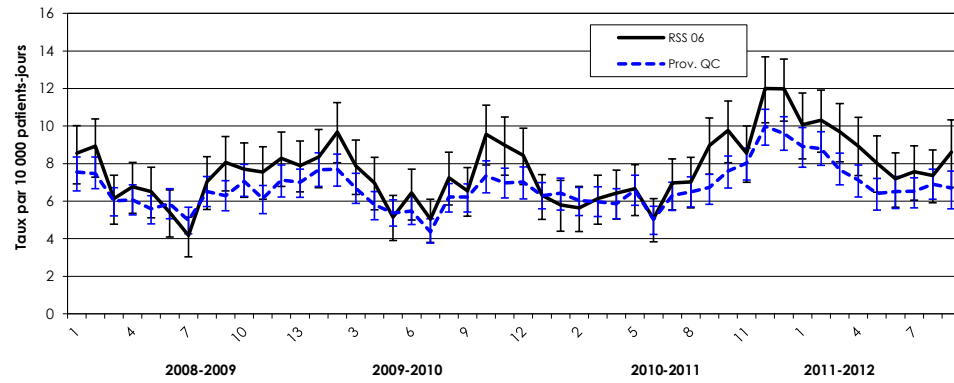
Data source : Clostridium difficile infection monitoring data, INSPQ

- Note: 1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin).
 2. The data have been validated, and the data retrieval date is December 19th, 2011.
 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 December 3rd. 2011**



Definition of administrative Periods

Periods	2007-08	2008-09	2009-10	2010-11	2011-12
1	28-04-07	26-04-08	25-04-09	24-04-10	23-04-11
2	26-05-07	24-05-08	23-05-09	22-05-10	21-05-11
3	23-06-07	21-06-08	21-06-08	19-06-10	18-06-11
4	21-07-07	19-07-08	18-07-09	17-07-10	16-07-11
5	18-08-07	16-08-08	15-08-09	14-08-10	13-08-11
6	15-09-07	13-09-08	12-09-09	11-09-10	10-09-11
7	13-10-07	11-10-08	10-10-09	09-10-10	08-10-11
8	10-11-07	08-11-08	07-11-09	06-11-10	05-11-11
9	08-12-07	06-12-08	05-12-09	04-12-10	03-12-11
10	05-01-08	03-01-09	02-01-10	01-01-11	31-12-11
11	02-02-08	31-01-09	31-01-10	29-01-11	28-01-12
12	01-03-08	28-02-09	27-02-10	26-02-11	25-02-12
13	31-03-08	31-03-09	31-03-10	31-03-11	31-03-12

Data source : Clostridium difficile infection monitoring data, INSPQ

Note: 1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin).

2. The data have been validated, and the data retrieval date is December 19th, 2011.

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 and installation
Montréal-Centre and province of Québec, April 1st, 2008 to December 3rd, 2011**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																															
			2008-2009									2009-2010									2010-2011									2011-2012																				
			1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9												
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	11
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	0
L'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
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	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	—	
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
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	—
INSTITUT DE CARDIOLOGIE DE MONTRÉAL	100 à 249	35% à 49%	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
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	—
HÔTEL-DIEU DU CHUM	100 à 249	35% à 49%	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
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	7	12	5	4	8	7	—
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
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	14
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	—
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
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
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	—
CH DE LACHINE	100 à 249	>= 50%	0	0	5	0	0	5	0	5	5	0	5	5	4	6	10	0	5	5	0	0	0	0	5	5	0	0	6	0	0	0	5	6	6	13	7	13	0	0	11	0	13	13	18	18	0	6	6	—
CH FLEURY	100 à 249	>= 50%	8	0	18	4	12	4	4	0	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	
CH DE LASALLE	100 à 249	<35%	0	0	9	0	9	0	4	4	4	0	4	0	4	0	10	19	0	0	19	14	5	5	36	5	0	0	0	5	0	21	15	14	0	0	5	5	5	5	24	10	0	12	16	11	5	5	12	32
L'HÔPITAL DE RÉADAPTATION LINDSAY	100 à 249	>= 50%	0	0	4	0	11	0	0	0	0	0	0	0	0	4	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
INSTITUT THORACIQUE DE MONTRÉAL	< 100	>= 50%	5	10	0	0	5	0	0	0	0	0	0	5	5	0	31	5	0	0	0	0	21	6	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
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	6	0	0	0	0	0	0	0	0	0	0	0	5	5
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	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	13	0	0	13	4	13	4	4	26	53	11	17	9	5	0	14	17	—	—	
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
INSTITUT DE RÉADAPTATION GINGRAS-LINDSEY-DE-MON	100 à 249	>= 50%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	6	2	3	4	0	0	5	2	2	0	4	
Montréal-Centre	—	—	9	9	6	7	7	5	4	7	8	8	8	8	8	10	8	7	5	6	5	7	7	10	9	8	6	6	6	6	6	7	5	7	7	9	10	9	12	12	10	10	10	9	8	7	8	7	9	
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	6	6	6	6	6	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7	7		

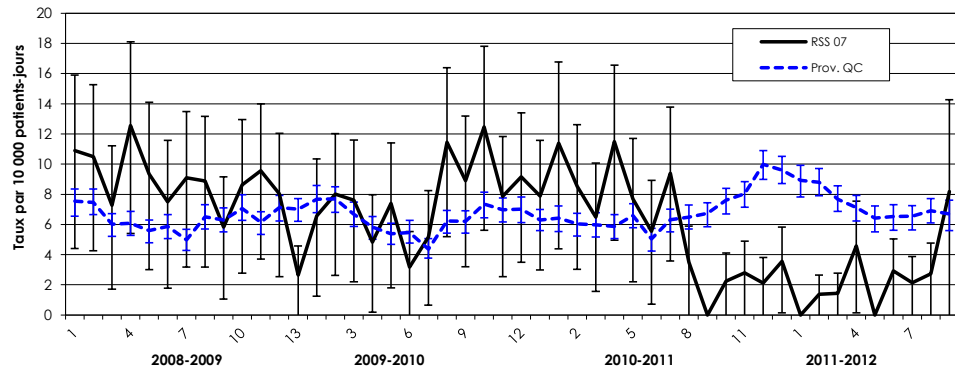
Data source : Clostridium difficile infection monitoring data, INSPQ

- Note:
1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin).
 2. The data have been validated, and the data retrieval date is December 19th, 2011.
 3. The facilities participating in CDAD surveillance are included in the region.

**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 December 3rd, 2011**



Definition of administrative Periods

Periods	2007-08	2008-09	2009-10	2010-11	2011-12
1	28-04-07	26-04-08	25-04-09	24-04-10	23-04-11
2	26-05-07	24-05-08	23-05-09	22-05-10	21-05-11
3	23-06-07	21-06-08	21-06-08	19-06-10	18-06-11
4	21-07-07	19-07-08	18-07-09	17-07-10	16-07-11
5	18-08-07	16-08-08	15-08-09	14-08-10	13-08-11
6	15-09-07	13-09-08	12-09-09	11-09-10	10-09-11
7	13-10-07	11-10-08	10-10-09	09-10-10	08-10-11
8	10-11-07	08-11-08	07-11-09	06-11-10	05-11-11
9	08-12-07	06-12-08	05-12-09	04-12-10	03-12-11
10	05-01-08	03-01-09	02-01-10	01-01-11	31-12-11
11	02-02-08	31-01-09	31-01-10	29-01-11	28-01-12
12	01-03-08	28-02-09	27-02-10	26-02-11	25-02-12
13	31-03-08	31-03-09	31-03-10	31-03-11	31-03-12

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Outaouais and province of Quebec, April 1st, 2008 to December 3rd, 2011**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																	
			2008-2009													2009-2010													2010-2011										2011-2012													
			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		
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		
PAVILLON DE HULL	>= 250	35% à 49%	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	0	0	0	2	2	3	—
CSSS VALLÉE-DE-LA-GATINEAU	< 100	>= 50%	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	0	0	9	19	16	0	9	10	0	0	9	9	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	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	—		
PAVILLON DU CH	< 100	>= 50%	0	0	6	6	0	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	7	0	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	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	7		

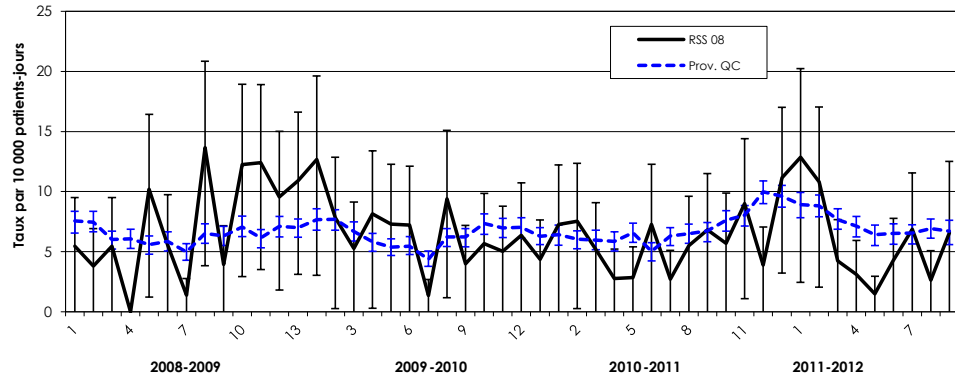
Data source : Clostridium difficile infection monitoring data, INSPQ

- Note:
1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin).
 2. The data have been validated, and the data retrieval date is December 19th, 2011.
 3. The facilities participating in CDAD surveillance are included in the region.

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

REGION 08, Abitibi-Témiscamingue

**CDAD incidence rate per 10,000 patient-days by administrative periods with a 95% confidence intervals
Abitibi-Témiscamingue and province of Quebec, April 1st, 2008 to December 3rd, 2011**



Definition of administrative Periods

Periods	2007-08	2008-09	2009-10	2010-11	2011-12
1	28-04-07	26-04-08	25-04-09	24-04-10	23-04-11
2	26-05-07	24-05-08	23-05-09	22-05-10	21-05-11
3	23-06-07	21-06-08	21-06-08	19-06-10	18-06-11
4	21-07-07	19-07-08	18-07-09	17-07-10	16-07-11
5	18-08-07	16-08-08	15-08-09	14-08-10	13-08-11
6	15-09-07	13-09-08	12-09-09	11-09-10	10-09-11
7	13-10-07	11-10-08	10-10-09	09-10-10	08-10-11
8	10-11-07	08-11-08	07-11-09	06-11-10	05-11-11
9	08-12-07	06-12-08	05-12-09	04-12-10	03-12-11
10	05-01-08	03-01-09	02-01-10	01-01-11	31-12-11
11	02-02-08	31-01-09	31-01-10	29-01-11	28-01-12
12	01-03-08	28-02-09	27-02-10	26-02-11	25-02-12
13	31-03-08	31-03-09	31-03-10	31-03-11	31-03-12

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Abitibi-Témiscamingue and province of Quebec, April 1st, 2008 to December 3rd, 2011**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																
			2008-2009													2009-2010													2010-2011										2011-2012												
			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
CH ROUYN-NORANDA	100 à 249	35% à 49%	15	0	10	0	15	14	0	32	5	5	0	9	9	0	0	0	0	6	6	6	12	0	0	0	0	0	0	0	10	0	0	0	0	7	0	0	12	28	6	14	0	5	0	0	6	0	5	0	—
CH HÔTEL-DIEU D'AMOS	< 100	<35%	5	0	0	0	6	5	0	0	0	34	24	4	8	0	5	0	5	0	0	0	9	0	6	0	10	4	6	0	5	0	0	0	0	0	10	0	0	0	16	29	15	11	0	0	6	0	5	0	—
CH DE VAL-D'OR	100 à 249	<35%	0	9	10	0	5	0	5	0	5	10	4	4	0	24	18	19	14	9	18	0	13	12	12	15	12	10	19	16	13	9	9	17	4	13	13	5	9	9	8	11	19	5	10	0	5	0	5	9	
CH LA SARRE	< 100	35% à 49%	0	13	0	0	43	0	0	52	13	0	43	49	65	57	12	0	31	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	15	0	0	0	12	23	0	0	0	0			
CSSS STE-FAMILLE	< 100	35% à 49%	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	0	0	0	0	0	0	0	0	0	0	0	—			
Abitibi-Témiscamingue	—	—	5	4	5	0	10	6	1	14	4	12	12	10	11	13	8	5	8	7	7	1	9	4	6	5	6	4	7	8	5	3	3	7	3	6	7	6	9	4	11	13	11	4	3	1	4	7	3	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	7	6	6	6	6	6	6	6	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7

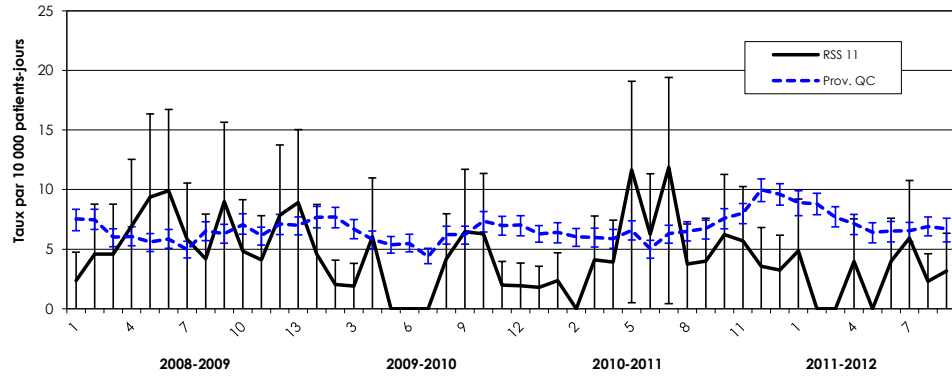
Data source : Clostridium difficile infection monitoring data, INSPQ

- Note: 1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin).
 2. The data have been validated, and the data retrieval date is December 19th, 2011.
 3. The facilities participating in CDAD surveillance are included in the region.

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

REGION 11, Gaspésie—Îles-de-la-Madeleine

CDAD incidence rate per 10,000 patient-days by administrative periods with a 95% confidence intervals
Gaspésie—Îles-de-la-Madeleine and province of Quebec, April 1st, 2008 to December 3rd, 2011



Definition of administrative Periods

Periods	2007-08	2008-09	2009-10	2010-11	2011-12
1	28-04-07	26-04-08	25-04-09	24-04-10	23-04-11
2	26-05-07	24-05-08	23-05-09	22-05-10	21-05-11
3	23-06-07	21-06-08	21-06-08	19-06-10	18-06-11
4	21-07-07	19-07-08	18-07-09	17-07-10	16-07-11
5	18-08-07	16-08-08	15-08-09	14-08-10	13-08-11
6	15-09-07	13-09-08	12-09-09	11-09-10	10-09-11
7	13-10-07	11-10-08	10-10-09	09-10-10	08-10-11
8	10-11-07	08-11-08	07-11-09	06-11-10	05-11-11
9	08-12-07	06-12-08	05-12-09	04-12-10	03-12-11
10	05-01-08	03-01-09	02-01-10	01-01-11	31-12-11
11	02-02-08	31-01-09	31-01-10	29-01-11	28-01-12
12	01-03-08	28-02-09	27-02-10	26-02-11	25-02-12
13	31-03-08	31-03-09	31-03-10	31-03-11	31-03-12

CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Gaspésie—Îles-de-la-Madeleine and province of Quebec, April 1st, 2008 to December 3rd, 2011

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																							
			2008-2009													2009-2010													2010-2011										2011-2012																			
			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								
CH DE CHANDLER	< 100	35% à 49%	0	0	0	0	0	17	16	0	11	0	0	10	8	0	0	0	8	0	0	0	10	0	8	0	0	0	0	0	22	21	0	0	11	0	0	0	0	9	10	0	7	0	0	0	0	8	0	0	8	8	9					
PAVILLON HÔTEL-DIEU	< 100	35% à 49%	8	16	0	18	10	0	0	0	0	0	9	17	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	21	0	0	11	0	0	0	0	0	0	0	9	10	0	7	0	0	0	0	8	0	0	8	8	9		
CH BAIE-DES-CHALEURS	< 100	35% à 49%	0	0	0	8	24	21	0	7	7	7	0	0	6	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	7	7	0	6	8	0	0	7	0	6	0	0	0						
HÔPITAL DES MONTS	< 100	>= 50%	0	0	28	0	0	0	0	0	16	0	0	0	0	25	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	18	0	0	13	30	0	0	0	0	16	15	0	0	0	0	0	0	0	16	—	—
CH DE L'ARCHIPEL	< 100	35% à 49%	—	—	—	—	—	0	16	17	18	22	19	16	15	19	0	14	16	0	0	0	0	0	0	17	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Gaspésie—Îles-de-la-Madeleine	—	—	2	5	5	7	9	10	6	4	9	5	4	8	9	5	2	2	6	0	0	0	4	6	6	2	2	2	2	2	0	4	4	12	6	12	4	4	6	6	4	3	5	0	0	4	0	4	6	2	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	7	6	6	6	6	6	7	5	6	6	7	8	8	10	10	9	9	8	7	6	7	7	7	7	7							

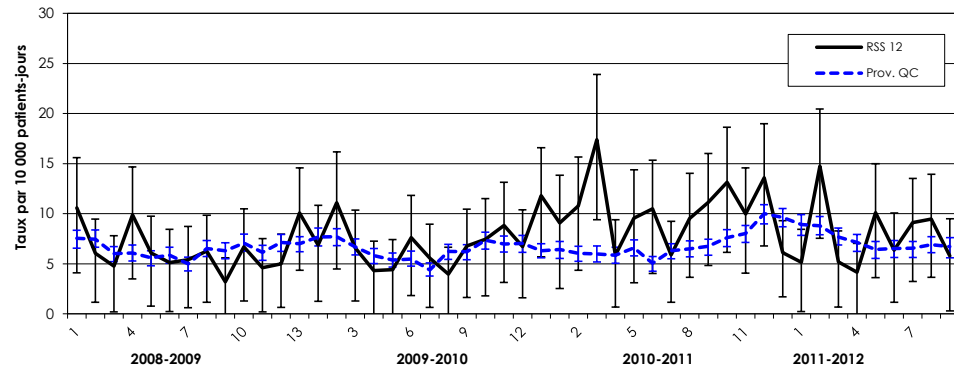
Data source : Clostridium difficile infection monitoring data, INSPQ

- Note:
1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin).
 2. The data have been validated, and the data retrieval date is December 19th, 2011.
 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 December 3rd, 2011**



Definition of administrative Periods

Periods	2007-08	2008-09	2009-10	2010-11	2011-12
1	28-04-07	26-04-08	25-04-09	24-04-10	23-04-11
2	26-05-07	24-05-08	23-05-09	22-05-10	21-05-11
3	23-06-07	21-06-08	21-06-08	19-06-10	18-06-11
4	21-07-07	19-07-08	18-07-09	17-07-10	16-07-11
5	18-08-07	16-08-08	15-08-09	14-08-10	13-08-11
6	15-09-07	13-09-08	12-09-09	11-09-10	10-09-11
7	13-10-07	11-10-08	10-10-09	09-10-10	08-10-11
8	10-11-07	08-11-08	07-11-09	06-11-10	05-11-11
9	08-12-07	06-12-08	05-12-09	04-12-10	03-12-11
10	05-01-08	03-01-09	02-01-10	01-01-11	31-12-11
11	02-02-08	31-01-09	31-01-10	29-01-11	28-01-12
12	01-03-08	28-02-09	27-02-10	26-02-11	25-02-12
13	31-03-08	31-03-09	31-03-10	31-03-11	31-03-12

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Chaudière-Appalaches and province of Quebec, April 1st, 2008 to December 3rd, 2011**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																															
			2008-2009													2009-2010													2010-2011										2011-2012											
			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
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
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	—	
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
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
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
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	7

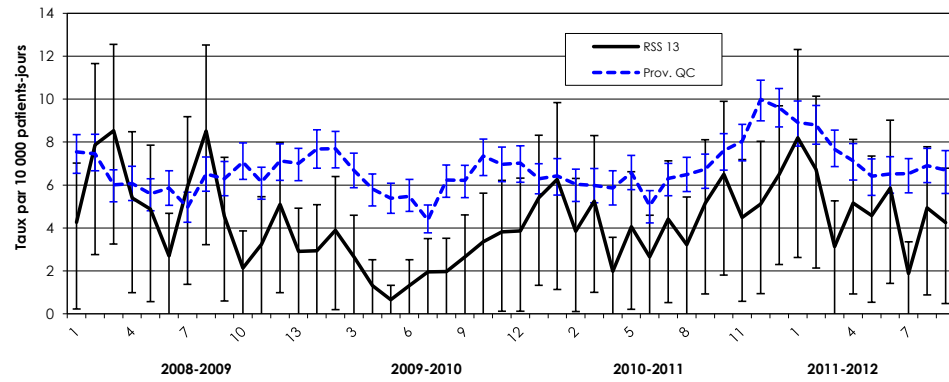
Data source : Clostridium difficile infection monitoring data, INSPQ

- Note: 1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin).
 2. The data have been validated, and the data retrieval date is December 19th, 2011.
 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 December 3rd, 2011**



Definition of administrative Periods

Periods	2007-08	2008-09	2009-10	2010-11	2011-12
1	28-04-07	26-04-08	25-04-09	24-04-10	23-04-11
2	26-05-07	24-05-08	23-05-09	22-05-10	21-05-11
3	23-06-07	21-06-08	21-06-09	19-06-10	18-06-11
4	21-07-07	19-07-08	18-07-09	17-07-10	16-07-11
5	18-08-07	16-08-08	15-08-09	14-08-10	13-08-11
6	15-09-07	13-09-08	12-09-09	11-09-10	10-09-11
7	13-10-07	11-10-08	10-10-09	09-10-10	08-10-11
8	10-11-07	08-11-08	07-11-09	06-11-10	05-11-11
9	08-12-07	06-12-08	05-12-09	04-12-10	03-12-11
10	05-01-08	03-01-09	02-01-10	01-01-11	31-12-11
11	02-02-08	31-01-09	31-01-10	29-01-11	28-01-12
12	01-03-08	28-02-09	27-02-10	26-02-11	25-02-12
13	31-03-08	31-03-09	31-03-10	31-03-11	31-03-12

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Laval and province of Quebec, April 1st, 2008 to December 3rd, 2011**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																
			2008-2009													2009-2010													2010-2011										2011-2012												
			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	
CITE DE LA SANTÉ DE LAVAL	>= 250	<35%	5	8	9	6	5	3	8	7	6	2	4	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
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	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	
Laval	—	—	4	8	9	5	5	3	6	9	5	2	3	5	3	3	4	3	1	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	
Province de Québec	—	—	8	7	6	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	

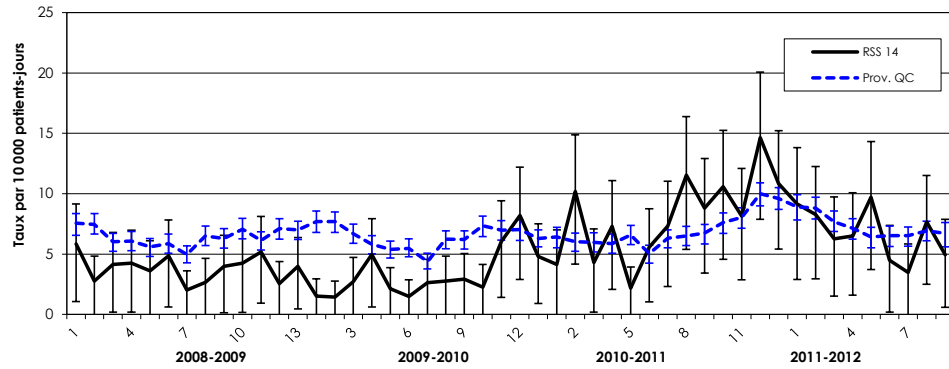
Data source : Clostridium difficile infection monitoring data, INSPQ

- Note: 1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin).
 2. The data have been validated, and the data retrieval date is December 19th, 2011.
 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 December 3rd, 2011**



Definition of administrative Periods

Periods	2007-08	2008-09	2009-10	2010-11	2011-12
1	28-04-07	26-04-08	25-04-09	24-04-10	23-04-11
2	26-05-07	24-05-08	23-05-09	22-05-10	21-05-11
3	23-06-07	21-06-08	21-06-09	19-06-10	18-06-11
4	21-07-07	19-07-08	18-07-09	17-07-10	16-07-11
5	18-08-07	16-08-08	15-08-09	14-08-10	13-08-11
6	15-09-07	13-09-08	12-09-09	11-09-10	10-09-11
7	13-10-07	11-10-08	10-10-09	09-10-10	08-10-11
8	10-11-07	08-11-08	07-11-09	06-11-10	05-11-11
9	08-12-07	06-12-08	05-12-09	04-12-10	03-12-11
10	05-01-08	03-01-09	02-01-10	01-01-11	31-12-11
11	02-02-08	31-01-09	31-01-10	29-01-11	28-01-12
12	01-03-08	28-02-09	27-02-10	26-02-11	25-02-12
13	31-03-08	31-03-09	31-03-10	31-03-11	31-03-12

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Lanaudière and province of Quebec, April 1st, 2008 to December 3rd, 2011**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																
			2008-2009													2009-2010													2010-2011										2011-2012												
			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	
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	
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	
Lanaudière	—	—	6	3	4	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
Province de Québec	—	—	8	7	6	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	7

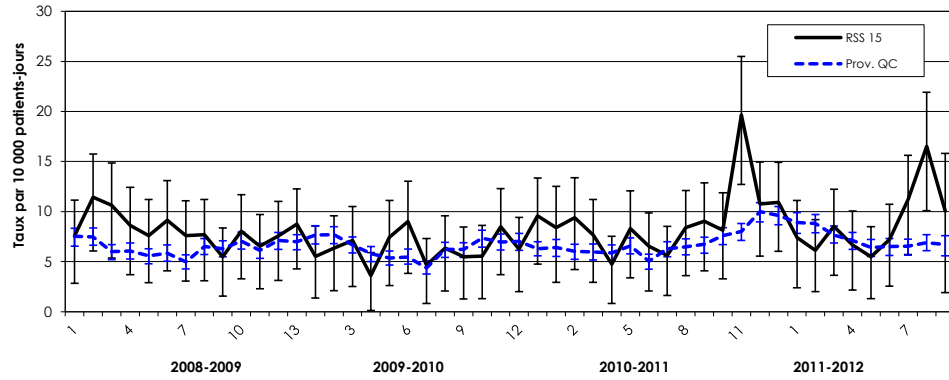
Data source : Clostridium difficile infection monitoring data, INSPQ

- Note:
1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin).
 2. The data have been validated, and the data retrieval date is December 19th, 2011.
 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 December 3rd, 2011**



Definition of administrative Periods

Periods	2007-08	2008-09	2009-10	2010-11	2011-12
1	28-04-07	26-04-08	25-04-09	24-04-10	23-04-11
2	26-05-07	24-05-08	23-05-09	22-05-10	21-05-11
3	23-06-07	21-06-08	21-06-08	19-06-10	18-06-11
4	21-07-07	19-07-08	18-07-09	17-07-10	16-07-11
5	18-08-07	16-08-08	15-08-09	14-08-10	13-08-11
6	15-09-07	13-09-08	12-09-09	11-09-10	10-09-11
7	13-10-07	11-10-08	10-10-09	09-10-10	08-10-11
8	10-11-07	08-11-08	07-11-09	06-11-10	05-11-11
9	08-12-07	06-12-08	05-12-09	04-12-10	03-12-11
10	05-01-08	03-01-09	02-01-10	01-01-11	31-12-11
11	02-02-08	31-01-09	31-01-10	29-01-11	28-01-12
12	01-03-08	28-02-09	27-02-10	26-02-11	25-02-12
13	31-03-08	31-03-09	31-03-10	31-03-11	31-03-12

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Laurentides and province of Quebec, April 1st, 2008 to December 3rd, 2011**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																																
			2008-2009													2009-2010													2010-2011										2011-2012												
			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
CH SAINT-EUSTACHE	100 à 249	<35%	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	
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	0	9	10	10	0	16	8	—	
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	16	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	—				
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	—	
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	5	5	0	4	20	26	25	9	8	0	0	0	0	9	5	5	9	10		
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	6	9	7	5	7	11	17	10	
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	7	

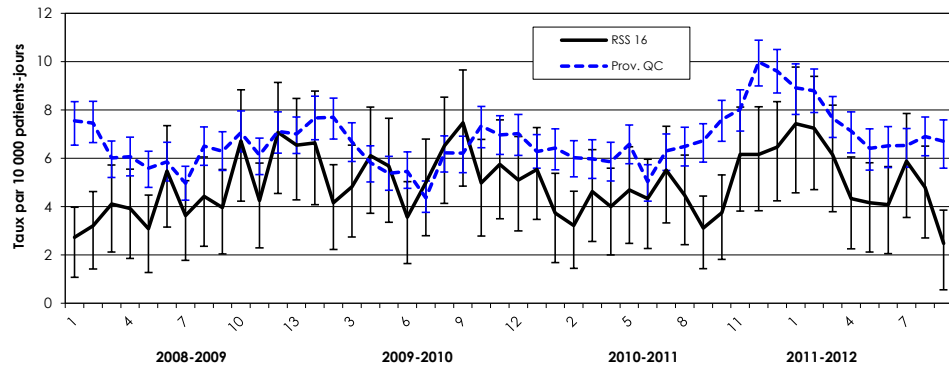
Data source : Clostridium difficile infection monitoring data, INSPQ

- Note:
1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin).
 2. The data have been validated, and the data retrieval date is December 19th, 2011.
 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 December 3rd, 2011**



Definition of administrative Periods

Periods	2007-08	2008-09	2009-10	2010-11	2011-12
1	28-04-07	26-04-08	25-04-09	24-04-10	23-04-11
2	26-05-07	24-05-08	23-05-09	22-05-10	21-05-11
3	23-06-07	21-06-08	21-06-08	19-06-10	18-06-11
4	21-07-07	19-07-08	18-07-09	17-07-10	16-07-11
5	18-08-07	16-08-08	15-08-09	14-08-10	13-08-11
6	15-09-07	13-09-08	12-09-09	11-09-10	10-09-11
7	13-10-07	11-10-08	10-10-09	09-10-10	08-10-11
8	10-11-07	08-11-08	07-11-09	06-11-10	05-11-11
9	08-12-07	06-12-08	05-12-09	04-12-10	03-12-11
10	05-01-08	03-01-09	02-01-10	01-01-11	31-12-11
11	02-02-08	31-01-09	31-01-10	29-01-11	28-01-12
12	01-03-08	28-02-09	27-02-10	26-02-11	25-02-12
13	31-03-08	31-03-09	31-03-10	31-03-11	31-03-12

**CDAD incidence rate per 10,000 patient-days by administrative periods and installation
Montérégie and province of Quebec, April 1st, 2008 to December 3rd, 2011**

Territoire et installation	Nombre de lits	% de 65 ans ou plus	Administrative period																																															
			2008-2009													2009-2010													2010-2011												2011-2012									
			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
HÔPITAL CHARLES LEMOYNE	>= 250	<35%	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
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
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	—
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
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	—
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
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	9	0	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	
CHRS DU SUROÏT	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	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	
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	5	0	0	5	0	0	0	0	0	8	11	10	15	10	5	0	5	0	—
HÔPITAL BARRIE MEMORIAL	< 100	>= 50%	0	0	0	0	0	30	29	46	0	0	0	10	0	0	0	11	12	17	13	12	26	0	0	0	0	0	20	0	0	12	0	0	0	0	21	13	11	0	36	9	10	28	0	0	0	0	10	
Montérégie	—	—	3	3	4	4	3	5	4	4	4	7	4	7	7	7	4	5	6	6	4	5	7	7	5	6	5	6	4	3	4	6	6	6	6	7	7	6	4	4	4	4	6	5	2					
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		

Data source : Clostridium difficile infection monitoring data, INSPQ

- Note:
1. CDAD : Clostridium difficile-associated diarrhea (of nosocomial origin).
 2. The data have been validated, and the data retrieval date is December 19th, 2011.
 3. The facilities participating in CDAD surveillance are included in the region.