

**Winnipeg Regional Health Authority Summary of Healthcare Associated  
Clostridium difficile Associated Diarrhea (CDAD)  
and Antibiotic Resistant Organisms**

**September 2013**

**Clostridium difficile Associated Disease (CDAD) Cases Reported September 2013:**

Facility	Cases	Rate by 1,000 Admissions	Rate by 10,000 Patient Days
HSC	2	0.78	0.93
SBH	6	2.61	4.36
VGH	1	2.36	1.88
GH	0	0.00	0.00
CH	1	3.64	1.87
SOGH	1	2.18	1.22
RHC	0	-	0.00
DLC	0	-	0.00
Total	11	1.70	1.55
CNISP benchmark	-	4.9 (2011)	7.1 (2011)

**Clostridium difficile**

Location	Rate per 1,000 Admissions	Rate by 10,000 Patient Days
Canada 1997 (6 week period)*	5.9	Not published
Canada (Nov 1/04 - Apr 30/05)*	6.0	Not published
Canada 2007*	4.1	6.9
Canada 2008*	6.4	7.2
Canada 2009*	5.1	5.9
Canada 2010*	4.7	6.6
Canada 2011*	4.9	7.1
Winnipeg 2003** ^	5.4	6.6
Winnipeg 2004/2005*** ^	5.2	3.7
Winnipeg 2005/2006*** ^	6.0	5.2
Winnipeg 2006/2007*** ^	4.6	4.0
Winnipeg 2007/2008*** ^	3.0	2.7
Winnipeg 2008/2009*** ^	3.1	2.9
Winnipeg 2009/2010***	2.9	2.9
Winnipeg 2010/2011***	2.5	2.5
Winnipeg 2011/2012***	2.6	2.4
Winnipeg 2012/2013***	2.2	2.0
Winnipeg April 2013	3.6	3.2
Winnipeg May 2013	2.6	2.5
Winnipeg June 2013	2.8	2.6
Winnipeg July 2013	2.4	2.1
Winnipeg August 2013	3.0	2.7
Winnipeg September 2013	1.7	1.6

\*CNISP - CNISP rates updated Oct. 31, 2013

\*\*January 1 to December 31 calendar year

\*\*\*April 1 to March 31, fiscal year

^ Misericordia Health Centre data included in the rate calculations

**MRSA (Infections and Colonizations) Cases Reported September 2013:**

Facility	Cases	Rate by 1,000 Admissions	Rate by 10,000 Patient Days
HSC	35	13.57	16.31
SBH	7	3.04	5.09
VGH	2	4.73	3.76
GH	3	8.65	4.42
CH	1	3.64	1.87
SOGH	1	2.18	1.22
RHC	1	-	2.23
DLC	0	-	0.00
Total	50	7.74	7.05
CNISP benchmark	-	8.5 (2011)	11.3 (2011)

**MRSA**

Location	Rate per 1,000 Admissions	Rate by 10,000 Patient Days
Canada 1995*	0.5	0.6
Canada 1996*	1.1	1.2
Canada 1997*	1.6	1.8
Canada 1998*	2.6	3.5
Canada 1999*	3.8	4.8
Canada 2000*	5.0	6.6
Canada 2001*	3.8	4.7
Canada 2002*	4.7	5.8
Canada 2003*	5.2	6.2
Canada 2004*	5.9	7.7
Canada 2005*	7.4	8.7
Canada 2006*	7.6	9.8
Canada 2007*	8.2	11.0
Canada 2008*	9.4	11.7
Canada 2009*	9.8	12.8
Canada 2010*	8.7	12.2
Canada 2011*	8.5	11.3
Winnipeg 2003** ^	3.5	6.6
Winnipeg 2004/2005*** ^	3.2	3.7
Winnipeg 2005/2006*** ^	2.9	2.5
Winnipeg 2006/2007*** ^	2.8	2.4
Winnipeg 2007/2008*** ^	3.5	3.0
Winnipeg 2008/2009*** ^	3.4	3.1
Winnipeg 2009/2010***	3.3	3.3
Winnipeg 2010/2011***	4.2	4.1
Winnipeg 2011/2012***	4.5	4.2
Winnipeg 2012/2013***	4.8	4.5
Winnipeg April 2013	2.9	2.7
Winnipeg May 2013	4.3	4.0
Winnipeg June 2013	8.1	7.5
Winnipeg July 2013	5.8	5.3
Winnipeg August 2013	7.9	7.2
Winnipeg September 2013	7.7	7.1

\*CNISP - CNISP rates updated Apr. 23, 2013

\*\*January 1 to December 31 calendar year

\*\*\*April 1 to March 31, fiscal year

^ Misericordia Health Centre data included in the rate calculations

**VRE (Infections and Colonizations) Cases Reported September 2013:**

Facility	Cases	Rate by 1,000 Admissions	Rate by 100,000 Patient Days
HSC	39	15.12	181.72
SBH	22	9.55	160.02
VGH	2	4.73	37.64
GH	13	37.46	191.60
CH	1	3.64	18.73
SOGH	22	47.93	269.11
RHC	0	-	0.00
DLC	2	-	35.83
Total	101	15.63	142.47
CNISP benchmark	-	7.7 (2011)	113.4 (2011)

VRE

Location	Rate per 1,000 Admissions	Rate by 100,000 Patient Days
Canada 1999*	0.4	5.2
Canada 2000*	0.5	6.7
Canada 2001*	0.4	4.6
Canada 2002*	0.6	7.9
Canada 2003*	0.6	7.5
Canada 2004*	0.7	9.6
Canada 2005*	1.3	16.9
Canada 2006*	1.2	14.8
Canada 2007* Ψ	2.6	34.2
Canada 2008* Ψ	4.7	56.5
Canada 2009* Ψ	5.5	66.4
Canada 2010* Ψ	5.5	77.9
Canada 2011* Ψ	7.7	113.4
Winnipeg 2004/2005*** ^	1.1	7.9
Winnipeg 2005/2006*** ^	0.3	2.2
Winnipeg 2006/2007*** ^	0.04	0.3
Winnipeg 2007/2008*** ^	0.1	1.1
Winnipeg 2008/2009*** ^	0.7	6.1
Winnipeg 2009/2010***	0.6	6.2
Winnipeg 2010/2011***	5.7	55.5
Winnipeg 2011/2012***	15.3	143.1
Winnipeg 2012/2013***	13.1	122.6
Winnipeg April 2013	14.8	135.0
Winnipeg May 2013	14.1	132.7
Winnipeg June 2013	15.1	140.5
Winnipeg July 2013	13.3	121.1
Winnipeg August 2013	8.9	80.6
Winnipeg September 2013	15.6	142.5

\*CNISP - CNISP rates updated on Oct. 31, 2013  
 Ψ only includes CNISP colonizations (no infections)  
 \*\*January 1 to December 31 calendar year  
 \*\*\*April 1 to March 31, fiscal year  
 ^ Misericordia Health Centre data included in the rate calculations