

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

**December 2013**

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

Facility	Cases	Rate by 1,000 Admissions	Rate by 10,000 Patient Days
HSC	9	3.72	4.27
SBH	11	5.09	7.75
VGH	2	4.58	3.46
GH	2	5.43	2.88
CH	0	0.00	0.00
SOGH	1	2.41	1.14
RHC	1	-	2.19
DLC	1	-	1.71
Total	27	4.35	3.74
CNISP benchmark	-	4.8 (2012)	6.0 (2012)

**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*	4.5	6.8
Canada 2008*	5.8	7.5
Canada 2009*	4.7	5.8
Canada 2010*	4.5	6.1
Canada 2011*	5.1	6.7
Canada 2012*	4.8	6.0
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
Winnipeg October 2013	2.9	2.6
Winnipeg November 2013	3.1	2.7
Winnipeg December 2013	4.4	3.7

\*CNISP - CNISP rates updated April 22, 2014

\*\*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 December 2013:**

Facility	Cases	Rate by 1,000 Admissions	Rate by 10,000 Patient Days
HSC	31	12.82	14.72
SBH	4	1.85	2.82
VGH	0	0.00	0.00
GH	1	2.72	1.44
CH	1	3.24	1.99
SOGH	1	2.41	1.14
RHC	0	-	0.00
DLC	0	-	0.00
Total	38	6.12	5.26
CNISP benchmark	-	8.8 (2012)	11.4 (2012)

**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*	9.5	12.4
Canada 2010*	9.0	12.6
Canada 2011*	9.3	11.9
Canada 2012*	8.8	11.4
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
Winnipeg October 2013	5.8	5.2
Winnipeg November 2013	4.8	4.2
Winnipeg December 2013	6.1	5.3

\*CNISP - CNISP rates updated April 22, 2014

\*\*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 December 2013:**

Facility	Cases	Rate by 1,000 Admissions	Rate by 100,000 Patient Days
HSC	27	11.16	128.21
SBH	14	6.48	98.67
VGH	0	0.00	0.00
GH	2	5.43	28.80
CH	3	9.71	59.58
SOGH	13	31.33	148.67
RHC	1	-	21.93
DLC	1	-	17.06
Total	61	9.82	84.51
CNISP benchmark	-	6.7 (2012)	86.5 (2012)

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	2.4	32.4
Canada 2008* Ψ	4.4	55.2
Canada 2009* Ψ	5.1	66.6
Canada 2010* Ψ	5.1	71.6
Canada 2011* Ψ	7.6	97.7
Canada 2012* Ψ	6.7	86.5
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
Winnipeg October 2013	15.2	136.6
Winnipeg November 2013	9.0	78.6
Winnipeg December 2013	9.8	84.5

\*CNISP - CNISP rates updated on April 22, 2014  
 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