

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

**November 2014**

**Clostridium difficile Associated Disease (CDAD) Cases Reported November 2014:**

Facility	Cases	Rate by 1,000 Admissions	Rate by 10,000 Patient Days
HSC	6	2.15	3.31
SBH	7	3.33	5.03
VGH	2	4.57	3.66
GH	1	1.91	1.41
CH	0	0.00	0.00
SOGH	1	2.20	1.14
RHC	1	-	2.22
DLC	0	-	0.00
Total	18	2.62	2.62
CNISP benchmark		3.3 (2014)	4.3 (2014)

**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
Canada 2013*	4.0	5.2
Canada 2014*	3.3	4.3
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 2013/2014***	3.0	2.7
Winnipeg April 2014	2.8	2.5
Winnipeg May 2014	2.6	2.2
Winnipeg June 2014	2.1	1.9
Winnipeg July 2014	3.0	2.7
Winnipeg August 2014	3.6	3.2
Winnipeg September 2014	3.5	3.2
Winnipeg October 2014	3.7	3.4
Winnipeg November 2014	2.6	2.6

\*CNISP - CNISP rates updated October 21, 2015

\*\*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 November 2014:**

Facility	Cases	Rate by 1,000 Admissions	Rate by 10,000 Patient Days
HSC	25	8.96	13.79
SBH	2	0.95	1.44
VGH	4	9.13	7.32
GH	3	5.74	4.24
CH	5	11.06	9.97
SOGH	5	11.01	5.71
RHC	0	-	0.00
DLC	0	-	0.00
Total	44	6.41	6.41
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 2013/2014***	5.8	5.2
Winnipeg April 2014	4.9	4.3
Winnipeg May 2014	5.7	4.9
Winnipeg June 2014	6.1	5.4
Winnipeg July 2014	5.0	4.5
Winnipeg August 2014	6.0	5.3
Winnipeg September 2014	4.9	4.5
Winnipeg October 2014	7.7	7.0
Winnipeg November 2014	6.4	6.4

\*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 November 2014:**

Facility	Cases	Rate by 1,000 Admissions	Rate by 100,000 Patient Days
HSC	29	10.40	160.00
SBH	19	9.04	136.66
VGH	2	4.57	36.59
GH	2	3.82	28.26
CH	5	11.06	99.66
SOGH	12	26.43	136.94
RHC	0	-	0.00
DLC	0	-	0.00
Total	69	10.06	100.54
CNISP benchmark (colonizations only)		7.0 (2013)	85.6 (2013)

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	7.7	97.7
Canada 2012* Ψ	6.9	89.4
Canada 2013* Ψ	7.0	85.6
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 2013/2014***	13.2	118.1
Winnipeg April 2014	13.7	121.6
Winnipeg May 2014	15.0	128.4
Winnipeg June 2014	12.9	113.6
Winnipeg July 2014	9.8	89.1
Winnipeg August 2014	8.9	77.5
Winnipeg September 2014	10.5	96.4
Winnipeg October 2014	12.1	110.8
Winnipeg November 2014	10.1	100.5

\*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