

Manitoba Monthly Surveillance Unit Report

Reported up to January 31, 2011

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 57% of all non-STBBI related communicable diseases reported to Manitoba Health during January 2011.

2. Sexually Transmitted & Blood-Borne Infections (STBBI)

There were 619 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in January 2011:

- 529 reported cases of chlamydia (CT) only
- 44 reported cases of gonorrhoea (GC) only
- 42 reported co-infections of CT and GC and
- 4 reported cases of syphilis

Chlamydia has the highest incidence of reported STBBI. Females between the ages of 15 and 24 years comprised 46% of all reported chlamydia cases in the province.

Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

In January 2011, there were no cases of Hepatitis B virus (HBV), 26 cases of Hepatitis C virus (HCV) and 10 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in January 2011 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Shigellosis: 6 positive lab-confirmed cases reported; less than 6 expected in an average month.

The expected number of cases and range is statistically based on the number of reported cases during December ('05-'09), January ('06-'10), and February ('06-'10).

Explanatory Notes:

General:

Each monthly communicable disease report includes the number of cases of notifiable communicable diseases reported by lab or health provider during each individual month. Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date as symptom onset date is frequently not recorded. Some discrepancy of numbers may be based on reporting delays.

The observed numbers of cases are compared to the statistically expected range for each reportable communicable disease. This involves comparing the current month's case counts to the average case counts for the same month, one month subsequent and one month prior for the previous five years. These same months over the five years are used to determine the expected range of cases using the statistical calculation of standard deviation. Using this specific monthly pattern allows for adjustment within the statistics for both seasonality and cyclical disease patterns.

The year-to-date case counts are based on the calendar year.

The disease data reported in the monthly report has not been analyzed for severity or associated deaths at this time.

Disease specific information:

Methicillin-resistant *Staphylococcus aureus* (MRSA) positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals who have no symptoms and are mostly diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would usually result in a rise in colonized MRSA cases.

A new case of Hepatitis C Virus (HCV) infection is defined as a first positive test for an identifiable individual.

A new case of Human Immunodeficiency Virus (HIV) infection is defined as a positive test with a unique code that has not been previously linked to a positive test result in Manitoba. Positive HIV tests included in this month's statistics include both nominal and non-nominal testing results.

The number of Tuberculosis cases year-to-date may not equal the sum of cases reported for each month of this year. As new test results are received, there may be a change in diagnosis. Occasionally, diagnosis dates are updated, which also contributes to total numbers varying from month to month.

SUMMARY OF COMMUNICABLE DISEASE FOR January 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
006.9	AMEBIASIS	3		4	1-7	3	
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-0		
320.1	BAC. MENINGITIS - PNEUM			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA		1		***		1
038.0	BETA STREP SEPTICEMIA	7	11		***	7	11
116.0	BLASTOMYCOSIS		2		***		2
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1		
005.2	C. PERFRINGENS			0	0-1		
008.43	CAMPYLOBACTER	16	14	14	7-21	16	14
558.2	CLOSTRIDIUM DIFFICILE	74	74		***	74	74
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS			2	0-5		
061.0	DENGUE FEVER		1	0	0-1		1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS		1	0	0-2		1
032	DIPHThERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP			0	0-1		
008.0	E. COLI-VEROTOXIGENIC	4	1	3	0-7	4	1
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	12	2	8	2-14	12	2
320.0	H.INFLUENZAE (CSF)		1	0	0-1		1
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1		
041.59	HAEM. INFLUENZAE (non-B)				***		
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A	1		1	0-3	1	
070.3	HEPATITIS B			0	0-1		
070.51	HEPATITIS C	17	26	27	15-39	17	26
487.1A	INFLUENZA A****		83		***		83
487.1B	INFLUENZA B				***		
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		
027.0	LISTERIA MONOCYTOGENES			0	0-1		
088.81	LYME DISEASE			0	0-1		
084	MALARIA	1	1	1	0-3	1	1
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1		
036.82	MENINGOCOCCAL ARTHROPATHY	1			***	1	
036.2	MENINGOCOCCAL BLOOD			0	0-1		
B95.6	MRSA	228	253	177	87-267	228	253
072.9	MUMPS			0	0-1		
036.89	N.MENINGITIDIS OTHER			0	0-1		
728.86	NECROTIZING FASCIITIS			1	0-4		
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS		1	1	0-4		1
038.2	PNEUM. SEPTICEMIA	14	17	9	1-17	14	17
073.9	PSITTACOSIS			0	0-0		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

**** Excludes Wave 1 and 2 cases reported during the 2009/2010 Influenza A H1N1 pandemic. There were no cases of pandemic H1N1 in January 2011.

SUMMARY OF COMMUNICABLE DISEASE FOR January 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
083.0	Q FEVER			0	0-1		
082.0	RICKETTSIA RICKETTSII				***		
056.9	RUBELLA	1		0	0-1	1	
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER	1	1	0	0-1	1	1
003.0	SALMONELLA	30	16	19	6-32	30	16
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS			0	0-1		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	2	6	2	0-5	2	6
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
041.1	STREP PYOGENES - OTHER	9	6		***	9	6
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES	3	2	1	0-5	3	2
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS	1		0	0-1	1	
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	2	1	2	0-4	2	1
010	TUBERCULOSIS - PRIM.			1	0-3		
011	TUBERCULOSIS - RESP	3	9	6	0-12	3	9
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	7	38		***	7	38
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.41	WNV NEUROLOGICAL				***		
008.44	YERSINIA ENTEROCOLITICA		2	1	0-3		2
		437	570			437	570

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR JANUARY 2011

ICD9	Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing Age/Gender	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
320.7	BAC. MENINGITIS- LISTERIA																						1						1
038.0	BETA STREP SEPTICEMIA		1				1				1					1				2			1	1	1		2		11
116.0	BLASTOMYCOSIS																	1								1			2
008.43	CAMPYLOBACTER			3	2						1		1	1			1	2	1	1		1							14
558.2	CLOSTRIDIUM DIFFICILE							1						2		2	3	9	3	6	2	12	4	4		15	11		74
061.0	DENGUE FEVER																	1											1
V02.4	DIPH. CARRIERS												1																1
008.0	E. COLI 0157														1														1
007.1	GIARDIA LAMBLIA			1											1														2
320.0	H. INFLUENZAE (CSF)		1																										1
070.51	HEPATITIS C										1			1		1	3	1	6	1	5	3			1		3		26
487.1A	INFLUENZA A		6	2	1	1	1	3	4		1	1				3	4	1	4	3	5	1	2	8	6	18	8		83
084	MALARIA																		1										1
B95.6	MRSA	6	7	11	7	10	4	5	1	12	9	10	7	7	8	25	10	14	10	9	17	8	8	9	14	17	8		253
033.0	PERTUSSIS			1																									1
038.2	PNEUM. SEPTICEMIA		1		1								1			2		1	1	1	1		2	2	1	1	2		17
003.0	SALMONELLA			1	2	1	1		1			2		1		1	1	1			2					2			16
004	SHIGELLOSIS			1	1	1	1		1									1											6
041.1	STREP PYOGENES - OTHER ST									3			1				1					1							6
041.2	STREP.PNEUM.OTHER																		1										1
127.2	STRONGYLOIDIASIS											1					1												2
013	TUBERCULOSIS - NON-RESP.															1													1
010	TUBERCULOSIS - PRIM.																												
011	TUBERCULOSIS - RESP									1			1			1	1		1		1	1	2						9
B96.8	VANCOMYCIN RES. ENTER.													1			2	2	2	4		3	5	4	4	6	5		38
008.44	YERSINIA ENTEROCOLITICA															1				1									2
		6	16	20	14	13	8	9	7	17	12	14	13	12	10	38	28	32	30	29	32	30	25	29	27	60	36	3	570

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR JANUARY 2011

ICD9	Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP**	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
320.7	BAC. MENINGITIS- LISTERIA	1																					1
038.0	BETA STREP SEPTICEMIA	9						1										1					11
116.0	BLASTOMYCOSIS	2																					2
008.43	CAMPYLOBACTER	7	2			1				4													14
558.2	CLOSTRIDIUM DIFFICILE	49	4	1		4		3		5		5						2	1				74
061.0	DENGUE FEVER	1																					1
V02.4	DIPH. CARRIERS																	1					1
008.0	E. COLI 0157									1													1
007.1	GIARDIA LAMBLIA	1								1													2
320.0	H. INFLUENZAE (CSF)	1																					1
070.51	HEPATITIS C	18				1	1	1		1				3		1							26
487.1A	INFLUENZA A	24	5	4	2		6		3	15		19	1	3				1					83
084	MALARIA	1																					1
B95.6	MRSA	102	1		2		4	2	5	6	1	4	4	1	4	5	106	5			1		253
033.0	PERTUSSIS							1															1
038.2	PNEUM. SEPTICEMIA	10				1				2		1						3					17
003.0	SALMONELLA	9			1			1		2		1				1		1					16
004	SHIGELLOSIS	2								1						1	1	1					6
041.1	STREP PYOGENES - OTHER ST	3								1								2					6
041.2	STREP.PNEUM.OTHER	1																					1
127.2	STRONGYLOIDIASIS	2																					2
013	TUBERCULOSIS - NON-RESP.			1																			1
010	TUBERCULOSIS - PRIM.																						
011	TUBERCULOSIS - RESP	7	1															1					9
B96.8	VANCOMYCIN RES. ENTER.	27	1		1			3		3						2	1						38
008.44	YERSINIA ENTEROCOLITICA	1				1																	2
		278	14	5	7		18	3	18	42	1	30	5	7	5	9	119	8			1		570

* F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

** OOP=Out of Province

STBBI Infection Summary Report - January 2011

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2010	2011	2010	2011
All Chlamydia Infections	521	571	521	571
All Gonorrhea Infections (including PRNG)	71	86	71	86
All Syphilis Infections*	3	4	3	4
Gonorrhea & Chlamydia Co-infections	30	42	30	42
HIV	9	10	9	10

Total Number of STBBI Cases by Age and Gender - January 2011

Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing age/gender	TOTAL
	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
Chlamydia Only Cases							4		127	43	118	63	52	38	34	25	8	12	3	1		1						529
Gonorrhea Only Cases									5	2	7	5	3	3	3	5	3	4	1	2				1				44
Syphilis Only Cases															1		1				1		1					4
GC and CT Cases							1		8	3	6	4	5	4	4	3	1	2			1							42
TOTAL							5		140	48	131	72	60	45	41	34	12	19	4	3	2	1	1	1				619
HIV												1				1		4		2	1	1						10

Regional STBBI Distribution - January 2011

Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP***	Missing	TOTAL
Case Referred to:**			F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
All Chlamydia Infections	278	28	17	12		14	12	14		17	1	17	4	6	10	26	71	38		6		571
All Gonorrhea Infections	33	4	3	3		2	2	3	1				1	1	5	7	14	6		1		86
All Syphilis Infections	4																					4
GC and CT Infections	10	2	3	1		1		2					1		4	4	10	4				42

* Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

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Manitoba Monthly Surveillance Unit Report

Reported up to February 28, 2011

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 61% of all non-STBBI related communicable diseases reported to Manitoba Health during February 2011.

The data reveal that there are increased numbers of Vancomycin-resistant *Enterococcus* (VRE) in 2011 compared to 2010. The increased number of VRE cases in 2011 is attributable to hospital-related VRE outbreaks reported this year.

2. Sexually Transmitted & Blood-Borne Infections (STBBI)

There were 573 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in February 2011:

- 504 reported cases of chlamydia (CT) only
- 31 reported cases of gonorrhoea (GC) only
- 36 reported co-infections of CT and GC and
- 2 reported cases of syphilis

Chlamydia has the highest incidence of reported STBBI. Females between the ages of 15 and 24 years comprised 44% of all reported chlamydia cases in the province.

Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

In February 2011, there were no cases of Hepatitis B virus (HBV), 15 cases of Hepatitis C virus (HCV) and 5 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in February 2011 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Legionellosis: 1 positive lab-confirmed case reported; less than 1 expected in an average month.
- Strongyloidiasis: 4 positive lab-confirmed cases reported; less than 4 expected in an average month.

The expected number of cases and range is statistically based on the number of reported cases during January, February, and March, 2006-2010.

Explanatory Notes:

General:

Each monthly communicable disease report includes the number of cases of notifiable communicable diseases reported by lab or health provider during each individual month. Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date as symptom onset date is frequently not recorded. Some discrepancy of numbers may be based on reporting delays.

The observed numbers of cases are compared to the statistically expected range for each reportable communicable disease. This involves comparing the current month's case counts to the average case counts for the same month, one month subsequent and one month prior for the previous five years. These same months over the five years are used to determine the expected range of cases using the statistical calculation of standard deviation. Using this specific monthly pattern allows for adjustment within the statistics for both seasonality and cyclical disease patterns.

The year-to-date case counts are based on the calendar year.

The disease data reported in the monthly report has not been analyzed for severity or associated deaths at this time.

Disease specific information:

Methicillin-resistant *Staphylococcus aureus* (MRSA) positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals who have no symptoms and are mostly diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would usually result in a rise in colonized MRSA cases.

A new case of Hepatitis C Virus (HCV) infection is defined as a first positive test for an identifiable individual.

A new case of Human Immunodeficiency Virus (HIV) infection is defined as a positive test with a unique code that has not been previously linked to a positive test result in Manitoba. Positive HIV tests included in this month's statistics include both nominal and non-nominal testing results.

The number of Tuberculosis cases year-to-date may not equal the sum of cases reported for each month of this year. As new test results are received, there may be a change in diagnosis. Occasionally, diagnosis dates are updated, which also contributes to total numbers varying from month to month.

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022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		1
038.0	BETA STREP SEPTICEMIA	11	6		***	18	17
116.0	BLASTOMYCOSIS				***		2
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			0	0-1		
008.43	CAMPYLOBACTER	15	11	15	9-21	31	26
558.2	CLOSTRIDIUM DIFFICILE	77	63		***	151	137
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1		2	0-5	1	1
061.0	DENGUE FEVER			0	0-1		1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS	4		0	0-2	4	1
032	DIPHTHERIA CASES	2		0	0-1	2	
123.4	DIPHYLLOBOTHRIUM SPP		1	0	0-1		1
008.0	E. COLI-VEROTOXIGENIC	3	4	3	0-6	7	6
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	6	4	9	3-15	18	6
320.0	H.INFLUENZAE (CSF)			0	0-0		1
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1		
041.59	HAEM. INFLUENZAE (non-B)				***		
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	1		1	0-3	2	
070.3	HEPATITIS B			0	0-1		
070.51	HEPATITIS C	23	15	28	15-41	40	41
487.1A	INFLUENZA A		23		***		106
487.1B	INFLUENZA B				***		
482.83	LEGIONELLA		1	0	0-0		1
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		
027.0	LISTERIA MONOCYTOGENES			0	0-1		
088.81	LYME DISEASE			0	0-0		
084	MALARIA	1	1	1	0-3	2	2
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1		
036.82	MENINGOCOCCAL ARTHROPATHY				***	1	
036.2	MENINGOCOCCAL BLOOD			0	0-1		
B95.6	MRSA	244	209	173	88-258	472	462
072.9	MUMPS		1	0	0-1		1
036.89	N.MENINGITIDIS OTHER			0	0-1		
728.86	NECROTIZING FASCIITIS	2		1	0-3	2	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	1	2	1	0-4	1	3
038.2	PNEUM. SEPTICEMIA	14	10	10	3-17	28	26
073.9	PSITTACOSIS			0	0-0		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

**** Excludes Wave 1 and 2 cases reported during the 2009/2010 Influenza A H1N1 pandemic. There were no cases of pandemic H1N1 in February 2011.

SUMMARY OF COMMUNICABLE DISEASE FOR February 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
083.0	Q FEVER			0	0-1		
082.0	RICKETTSIA RICKETTSII				***		
056.9	RUBELLA			0	0-1	1	
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER		1	1	0-3	1	2
003.0	SALMONELLA	26	18	21	9-33	56	37
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS			0	0-0		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	1	1	2	0-5	3	7
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
041.1	STREP PYOGENES - OTHER	11	9		***	20	15
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES		4	1	0-3	3	6
037	TETANUS			0	0-1		
130.9	TOXOPLASMOSIS			0	0-1	1	
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	3	2	2	0-4	5	3
010	TUBERCULOSIS - PRIM.			1	0-5		
011	TUBERCULOSIS - RESP	4	9	7	1-13	7	18
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	11	52		***	18	90
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.41	WNV NEUROLOGICAL				***		
008.44	YERSINIA ENTEROCOLITICA		1	1	0-3		4
		467	449			904	1025

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR FEBRUARY 2011

ICD9	Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing Age/Gender	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS													1															1
038.0	BETA STREP SEPTICEMIA															2		1	1			1				1			6
008.43	CAMPYLOBACTER		1		1			1				1						2	1	2	1		1						11
558.2	CLOSTRIDIUM DIFFICILE							2		1						2	4	2	3	9	4	10	2	7	2	13	2		63
123.4	DIPHYLLOBOTHRIUM																1												1
008.0	E. COLI 0157					1	1											1	1										4
007.1	GIARDIA LAMBLIA			1	1												1	1											4
070.51	HEPATITIS C													1		1	3	1	5	1	2		1						15
487.1A	INFLUENZA A				1		1	1			1	1	1	1				1		1						9	5		23
482.83	LEGIONELLA																		1										1
084	MALARIA																	1											1
B95.6	MRSA	2	4	8	12	8	2	4	4	8	10	10	8	6	7	12	3	13	7	8	11	6	8	2	11	16	19		209
072.9	MUMPS																		1										1
033.0	PERTUSSIS		2																										2
038.2	PNEUM. SEPTICEMIA		1						1									1	1	2				3	1				10
003.0	SALMONELLA			1	1					1		2		1	3		1	1	3		2			1	1				18
004	SHIGELLOSIS													1															1
041.1	STREP PYOGENES - OTHER ST			1								1				1				2	2	1		1					9
041.2	STREP.PNEUM.OTHER																									1			1
127.2	STRONGYLOIDIASIS				2												1				1								4
013	TUBERCULOSIS - NON-RESP.															1		1											2
010	TUBERCULOSIS - PRIM.																												
011	TUBERCULOSIS - RESP			1	1							1		1	1	1			1	1				1					9
B96.8	VANCOMYCIN RES. ENTER.									1						1		4		4	5	9	6	2	7	5	8		52
008.44	YERSINIA ENTEROCOLITICA													1															1
		2	8	12	19	9	4	8	5	9	13	12	13	9	11	23	15	27	22	32	28	30	20	12	25	46	35		449

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR FEBRUARY 2011

ICD9	Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP**	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	1																					1
038.0	BETA STREP SEPTICEMIA	5												1									6
008.43	CAMPYLOBACTER	3	1				3		2				1						1				11
558.2	CLOSTRIDIUM DIFFICILE	33	7		1		2	1	4		9		4					1	1				63
123.4	DIPHYLLOBOTHRIUM	1																					1
008.0	E. COLI 0157	3									1												4
007.1	GIARDIA LAMBLIA	1							1		1		1										4
070.51	HEPATITIS C	4			1		1				5				1				3				15
487.1A	INFLUENZA A	9	7						1			2	4										23
482.83	LEGIONELLA	1																					1
084	MALARIA	1																					1
B95.6	MRSA	75	5	1	3		3	1	8		6	2	3	2	4	2	8	78	7			1	209
072.9	MUMPS	1																					1
033.0	PERTUSSIS										2												2
038.2	PNEUM. SEPTICEMIA	7									2							1					10
003.0	SALMONELLA	8	1				3		1		1		1		1			2					18
004	SHIGELLOSIS												1										1
041.1	STREP PYOGENES - OTHER ST	3					2		1		1		1		1								9
041.2	STREP.PNEUM.OTHER	1																					1
127.2	STRONGYLOIDIASIS	2							1		1												4
013	TUBERCULOSIS - NON-RESP.	1																1					2
010	TUBERCULOSIS - PRIM.																						
011	TUBERCULOSIS - RESP	4					1											4					9
B96.8	VANCOMYCIN RES. ENTER.	30		1	1		3	1	7		3		1		1		1	1	1	1			52
008.44	YERSINIA ENTEROCOLITICA						1																1
		194	21	2	6		19	3	26		32	4	17	2	9	2	9	88	13	1		1	449

* F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

** OOP=Out of Province

STBBI Infection Summary Report - February 2011

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2010	2011	2010	2011
All Chlamydia Infections	556	540	1077	1111
All Gonorrhea Infections (including PRNG)	83	67	154	153
All Syphilis Infections*	5	2	8	8
Gonorrhea & Chlamydia Co-infections	42	36	72	78
HIV	9	5	18	15

Total Number of STBBI Cases by Age and Gender - February 2011

	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing		
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gender	TOTAL	
Chlamydia Only Cases							7		130	43	94	57	65	31	30	34	4	5		3		1							504
Gonorrhea Only Cases							1		3	2	4	4	4	2	4	2	1	1		3									31
Syphilis Only Cases																2													2
GC and CT Cases							2		10	4	7	2	3	5	2		1												36
TOTAL							10		143	49	105	63	72	38	36	38	6	6		6		1							573
HIV															1	2		1	1										5

Regional STBBI Distribution - February 2011

Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP***	Missing	TOTAL
Case Referred to:**			F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
All Chlamydia Infections	246	19	14	10		8	11	10	2	20		9	1	9	10	41	90	36		4		540
All Gonorrhea Infections	29	4	2				2									3	21	5		1		67
All Syphilis Infections	1	1																				2
GC and CT Infections	12						1								2	18	3					36

* Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

** F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

*** OOP=Out of Province

Manitoba Monthly Surveillance Unit Report

Reported up to March 31, 2011

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 52% of all non-STBBI related communicable diseases reported to Manitoba Health during March 2011.

- The number of reported cases of MRSA was above the statistically expected range in March 2011 – 257 positive lab-confirmed cases reported; less than 257 expected in an average month.

The data reveal that there are increased numbers of Vancomycin-resistant *Enterococcus* (VRE) in 2011 compared to 2010. The increased number of VRE cases in 2011 is attributable to hospital-related VRE outbreaks reported this year.

2. Sexually Transmitted & Blood-Borne Infections (STBBI)

There were 656 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in March 2011:

- 571 reported cases of chlamydia (CT) only
- 44 reported cases of gonorrhoea (GC) only
- 37 reported co-infections of CT and GC and
- 4 reported cases of syphilis

Chlamydia has the highest incidence of reported STBBI. Females between the ages of 15 and 24 years comprised 44% of all reported chlamydia cases in the province.

Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

In March 2011, there were no cases of Hepatitis B virus (HBV), 29 cases of Hepatitis C virus (HCV) and 6 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in March 2011 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Mumps: 4 positive lab-confirmed cases reported; less than 2 expected in an average month. Five of the six cases in 2011 are part of a cluster identified related to travel outside Canada.

- Congenital Rubella Syndrome: 1 positive lab-confirmed case reported; less than 1 expected in an average month. The infection was imported from outside Canada.
- Streptococcus pneumoniae (other sterile site): 4 positive lab-confirmed cases reported; less than 4 expected in an average month.
- Shigellosis: 7 positive lab-confirmed cases reported; less than 6 expected in an average month.
- Trypanosoma cruzi: 2 positive lab-confirmed cases reported; less than 1 expected in an average month.

The expected number of cases and range is statistically based on the number of reported cases during February, March, and April, 2006-2010.

Explanatory Notes:

General:

Each monthly communicable disease report includes the number of cases of notifiable communicable diseases reported by lab or health provider during each individual month. Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date as symptom onset date is frequently not recorded. Some discrepancy of numbers may be based on reporting delays.

The observed numbers of cases are compared to the statistically expected range for each reportable communicable disease. This involves comparing the current month's case counts to the average case counts for the same month, one month subsequent and one month prior for the previous five years. These same months over the five years are used to determine the expected range of cases using the statistical calculation of standard deviation. Using this specific monthly pattern allows for adjustment within the statistics for both seasonality and cyclical disease patterns.

The year-to-date case counts are based on the calendar year.

The disease data reported in the monthly report has not been analyzed for severity or associated deaths at this time.

Disease specific information:

Methicillin-resistant *Staphylococcus aureus* (MRSA) positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals who have no symptoms and are mostly diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would usually result in a rise in colonized MRSA cases.

A new case of Hepatitis C Virus (HCV) infection is defined as a first positive test for an identifiable individual.

A new case of Human Immunodeficiency Virus (HIV) infection is defined as a positive test with a unique code that has not been previously linked to a positive test result in Manitoba. Positive HIV tests included in this month's statistics include both nominal and non-nominal testing results.

The number of Tuberculosis cases year-to-date may not equal the sum of cases reported for each month of this year. As new test results are received, there may be a change in diagnosis. Occasionally, diagnosis dates are updated, which also contributes to total numbers varying from month to month.

SUMMARY OF COMMUNICABLE DISEASE FOR March 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
006.9	AMEBIASIS	4	2	4	0-8	13	5
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		1
038.0	BETA STREP SEPTICEMIA	9	23		***	27	40
116.0	BLASTOMYCOSIS				***		2
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			0	0-1		
008.43	CAMPYLOBACTER	17	20	15	8-22	48	52
558.2	CLOSTRIDIUM DIFFICILE	88	74		***	239	212
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2	2	1	0-3	3	5
061.0	DENGUE FEVER			0	0-1		1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			1	0-3	4	1
032	DIPHThERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP			0	0-1		1
008.0	E. COLI-VEROTOXIGENIC	2	3	3	0-7	10	9
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	11	10	9	4-14	29	20
320.0	H.INFLUENZAE (CSF)			0	0-0		1
041.5	H.INFLUENZAE (OTHER STERILE)		1	0	0-1		1
041.59	HAEM. INFLUENZAE (non-B)				***		
480.8	HANTA VIRUS			0	0-1		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A		1	1	0-3	2	1
070.3	HEPATITIS B			1	0-3		
070.51	HEPATITIS C	31	29	28	15-41	71	74
487.1A	INFLUENZA A		7		***		113
487.1B	INFLUENZA B		2		***		2
482.83	LEGIONELLA			0	0-1		1
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES			0	0-1		
088.81	LYME DISEASE			0	0-1		
084	MALARIA	1	1	1	0-3	3	3
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF		1	0	0-1		1
036.82	MENINGOCOCCAL ARTHROPATHY	1			***	2	
036.2	MENINGOCOCCAL BLOOD	2		0	0-1	2	
B95.6	MRSA	235	257	165	74-256	707	719
072.9	MUMPS		4	0	0-1		6
036.89	N.MENINGITIDIS OTHER			0	0-1		
728.86	NECROTIZING FASCIITIS			1	0-2	2	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	1	1	2	0-9	2	4
038.2	PNEUM. SEPTICEMIA	10	14	11	3-19	38	41
073.9	PSITTACOSIS			0	0-0		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

**** Excludes Wave 1 and 2 cases reported during the 2009/2010 Influenza A H1N1 pandemic. There were no cases of pandemic H1N1 in March 2011.

SUMMARY OF COMMUNICABLE DISEASE FOR March 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
083.0	Q FEVER			0	0-1		
082.0	RICKETTSIA RICKETTSII				***		
056.9	RUBELLA			0	0-1	1	
771.0	RUBELLA CONGENITAL		1	0	0-0		1
041.2	S.PNEUM.OTHER	3	4	1	0-3	4	6
003.0	SALMONELLA	24	16	19	8-30	80	56
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS			0	0-0		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	4	7	2	0-5	7	14
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
041.1	STREP PYOGENES - OTHER	7	10		***	27	25
711.0	STREP.PNEUM.ARTHRITIS			0	0-1		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES	1	2	1	0-3	4	8
037	TETANUS	1		0	0-1	1	
130.9	TOXOPLASMOSIS			0	0-0	1	
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI		2	0	0-0		2
013	TUBERCULOSIS - NON-RESP.	1	3	2	0-6	6	6
010	TUBERCULOSIS - PRIM.		1	1	0-5		1
011	TUBERCULOSIS - RESP	7	6	8	4-12	14	24
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID	1		0	0-1	1	1
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	15	133		***	33	223
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.41	WNV NEUROLOGICAL				***		
008.44	YERSINIA ENTEROCOLITICA			1	0-4		6
		478	637			1381	1689

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR MARCH 2011

		<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing Age/Gender	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS								1							1													
036.0	BAC.MGTS-NMGTS(MGCCL MGTS																						1						
038.0	BETA STREP SEPTICEMIA		1		1	1	1											4		1	1	4	3		1	5			
008.43	CAMPYLOBACTER	1		3		1						1	1	2		1	1	1	1	2	3			2					
558.2	CLOSTRIDIUM DIFFICILE							2		4				1		2	1	3	1	4	6	6	8	10	7	14	5		
771.0	CONGENITAL RUBELLA		1																										
007.8	CRYPTOSPORIDIOSIS									1				1															
008.0	E. COLI 0157											1				1				1									
007.1	GIARDIA LAMBLIA				5	1								1		2				1									
041.5	H.INFLUENZAE (OTHER STER	1																											
070.1	HEPATITIS A																			1									
070.51	HEPATITIS C											2		3	4	2	7	3	2	2	2	1	1						
487.1A	INFLUENZA A									1						2	1	1	1				1						
487.1B	INFLUENZA B				2																								
084	MALARIA																			1									
B95.6	MRSA	7	10	14	17	5	10	5	3	4	7	7	9	10	6	11	7	16	17	14	17	8	14	6	10	14	9		
072.9	MUMPS						1									1	1			1									
033.0	PERTUSSIS	1																											
038.2	PNEUM. SEPTICEMIA		1	1														3	4	1			1		1	2			
003.0	SALMONELLA				2		1	1				2	2	1				1	2	2		2							
004	SHIGELLOSIS				2	1									1	1		1			1								
041.1	STREP PYOGENES - OTHER ST														1			4	1	2	1					1			
041.2	STREP.PNEUM.OTHER																1	2						1					
127.2	STRONGYLOIDIASIS														1					1									
086	TRYPANOSOMIASIS														1					1									
013	TUBERCULOSIS - NON-RESP.														1				1	1									
010	TUBERCULOSIS - PRIM.				1																						1		
011	TUBERCULOSIS - RESP									2	1						1	1	1										
B96.8	VANCOMYCIN RES. ENTER.											1	1			5	2	6	4	11	13	9	20	14	20	17	10		
		10	13	18	30	9	13	8	4	10	10	13	13	18	16	24	25	37	44	42	47	31	48	35	41	49	29		

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR MARCH 2011

ICD9	Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP**	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	2																					2
036.0	BAC.MGTS-NMGTS(MGCCL MGTS	1																					1
038.0	BETA STREP SEPTICEMIA	17	1					4		1													23
008.43	CAMPYLOBACTER	11				2				1		3		2				1					20
558.2	CLOSTRIDIUM DIFFICILE	48	4	1		1		3		5		5		1				2	4				74
771.0	CONGENITAL RUBELLA	1																					1
007.8	CRYPTOSPORIDIOSIS	2																					2
008.0	E. COLI 0157					2						1											3
007.1	GIARDIA LAMBLIA	3	1					1		1		4											10
041.5	H.INFLUENZAE (OTHER STER									1													1
070.1	HEPATITIS A															1							1
070.51	HEPATITIS C	17	2		1			1	2		1							1	2	1	1		29
487.1A	INFLUENZA A	6								1													7
487.1B	INFLUENZA B	1			1																		2
084	MALARIA	1																					1
B95.6	MRSA	81	2	3	2		7	10	11	11	1	3	4	3	1	10	92	12			4		257
072.9	MUMPS									4													4
033.0	PERTUSSIS	1																					1
038.2	PNEUM. SEPTICEMIA	12						1										1					14
003.0	SALMONELLA	10	1					2		2		1											16
004	SHIGELLOSIS	4																3					7
041.1	STREP PYOGENES - OTHER ST	3			1			1				2						2	1				10
041.2	STREP.PNEUM.OTHER	2														1		1					4
127.2	STRONGYLOIDIASIS	2																					2
086	TRYPANOSOMIASIS											2											2
013	TUBERCULOSIS - NON-RESP.	3																					3
010	TUBERCULOSIS - PRIM.																	1					1
011	TUBERCULOSIS - RESP	1								1		1						3					6
B96.8	VANCOMYCIN RES. ENTER.	98		1	2		1	2	10		5		5			1	7	1					133
		327	11	5	7		13	13	35	2	32	1	27	4	6	2	12	114	20	1	1	4	637

* F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

** OOP=Out of Province

STBBI Infection Summary Report - March 2011

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2010	2011	2010	2011
All Chlamydia Infections	608	608	1685	1719
All Gonorrhea Infections (including PRNG)	101	81	255	234
All Syphilis Infections*	7	4	15	11
Gonorrhea & Chlamydia Co-infections	48	37	120	115
HIV	11	6	29	21

Total Number of STBBI Cases by Age and Gender - March 2011

Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing age/gender	TOTAL
	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
Chlamydia Only Cases							6	1	119	35	135	76	54	41	48	34	11	7		2	2							571
Gonorrhea Only Cases									3	3	7	1	10	3	4	3	2	5		1		1		1				44
Syphilis Only Cases																1		2					1					4
GC and CT Cases							1		13	2	3	4	5	2	2	5												37
TOTAL							7	1	135	40	145	81	69	46	54	43	13	14		3	2	1		2				656
HIV									1						1	2		2										6

Regional STBBI Distribution - March 2011

Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP***	Missing	TOTAL
Case Referred to:**			F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
All Chlamydia Infections	308	23	19	13		9	9	9		27	1	11	8	10	9	30	85	28		9		608
All Gonorrhea Infections	27		4	2		1								2		1	28	16				81
All Syphilis Infections	3	1																				4
GC and CT Infections	8		2	1										1		1	20	4				37

* Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

** F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

*** OOP=Out of Province

Manitoba Monthly Surveillance Unit Report

Reported up to April 30, 2011

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 59% of all non-STBBI related communicable diseases reported to Manitoba Health during April 2011.

The data reveal that there are increased numbers of Vancomycin-resistant *Enterococcus* (VRE) in 2011 compared to 2010. The increased number of VRE cases in 2011 is attributable to hospital-related VRE outbreaks reported this year.

2. Sexually Transmitted & Blood-Borne Infections (STBBI)

There were 512 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in April 2011:

- 453 reported cases of chlamydia (CT) only
- 34 reported cases of gonorrhoea (GC) only
- 23 reported co-infections of CT and GC and
- 2 reported cases of syphilis

Chlamydia has the highest incidence of reported STBBI. Females between the ages of 15 and 24 years comprised 43% of all reported chlamydia cases in the province.

Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

In April 2011, there were no cases of Hepatitis B virus (HBV), 26 cases of Hepatitis C virus (HCV) and 6 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in April 2011 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Typhoid: 2 positive lab-confirmed cases reported; less than 2 expected in an average month.
- Trypanosoma cruzi: 1 positive lab-confirmed case reported; less than 1 expected in an average month.

The expected number of cases and range is statistically based on the number of reported cases during March, April, and May, 2006-2010.

Explanatory Notes:

General:

Each monthly communicable disease report includes the number of cases of notifiable communicable diseases reported by lab or health provider during each individual month. Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date as symptom onset date is frequently not recorded. Some discrepancy of numbers may be based on reporting delays.

The observed numbers of cases are compared to the statistically expected range for each reportable communicable disease. This involves comparing the current month's case counts to the average case counts for the same month, one month subsequent and one month prior for the previous five years. These same months over the five years are used to determine the expected range of cases using the statistical calculation of standard deviation. Using this specific monthly pattern allows for adjustment within the statistics for both seasonality and cyclical disease patterns.

The year-to-date case counts are based on the calendar year.

The disease data reported in the monthly report has not been analyzed for severity or associated deaths at this time.

Disease specific information:

Methicillin-resistant *Staphylococcus aureus* (MRSA) positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals who have no symptoms and are mostly diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would usually result in a rise in colonized MRSA cases.

A new case of Hepatitis C Virus (HCV) infection is defined as a first positive test for an identifiable individual.

A new case of Human Immunodeficiency Virus (HIV) infection is defined as a positive test with a unique code that has not been previously linked to a positive test result in Manitoba. Positive HIV tests included in this month's statistics include both nominal and non-nominal testing results.

The number of Tuberculosis cases year-to-date may not equal the sum of cases reported for each month of this year. As new test results are received, there may be a change in diagnosis. Occasionally, diagnosis dates are updated, which also contributes to total numbers varying from month to month.

SUMMARY OF COMMUNICABLE DISEASE FOR April 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
006.9	AMEBIASIS	3	2	4	0-8	16	7
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		1
038.0	BETA STREP SEPTICEMIA	5	11		***	32	51
116.0	BLASTOMYCOSIS	1			***	1	2
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1		
005.2	C. PERFRINGENS			0	0-1		
008.43	CAMPYLOBACTER	11	20	16	7-25	59	72
558.2	CLOSTRIDIUM DIFFICILE	75	97		***	314	308
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	3	1	1	0-3	6	6
061.0	DENGUE FEVER			0	0-1		1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-2	4	
032	DIPHtheria CASES	1		0	0-1	1	
123.4	DIPHYLLOBOTHRIUM SPP		1	0	0-1		2
008.0	E. COLI-VEROTOXIGENIC	5	6	3	0-8	15	15
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	13	8	10	6-14	42	28
320.0	H.INFLUENZAE (CSF)			0	0-0		1
041.5	H.INFLUENZAE (OTHER STERILE)		1	0	0-1		2
041.59	HAEM. INFLUENZAE (non-B)				***		
480.8	HANTA VIRUS			0	0-1		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A		1	1	0-3	2	2
070.3	HEPATITIS B			1	0-3		2
070.51	HEPATITIS C	27	26	29	16-42	98	100
487.1A	INFLUENZA A				***		113
487.1B	INFLUENZA B		8		***		10
482.83	LEGIONELLA	1		0	0-1	1	1
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES			0	0-1		
088.81	LYME DISEASE	1		0	0-1	1	
084	MALARIA	1		1	0-4	4	3
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			0	0-1		1
036.82	MENINGOCOCCAL ARTHROPATHY				***	2	
036.2	MENINGOCOCCAL BLOOD			0	0-1	2	
B95.6	MRSA	226	234	164	63-265	933	953
072.9	MUMPS	1		0	0-2	1	6
036.89	N.MENINGITIDIS OTHER			0	0-1		
728.86	NECROTIZING FASCIITIS	2	3	1	0-3	4	3
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	8	1	3	0-11	10	5
038.2	PNEUM. SEPTICEMIA	18	17	12	5-19	56	59
073.9	PSITTACOSIS			0	0-0		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

**** Excludes Wave 1 and 2 cases reported during the 2009/2010 Influenza A H1N1 pandemic. There was 1 case of pandemic H1N1 in April 2011.

SUMMARY OF COMMUNICABLE DISEASE FOR April 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
083.0	Q FEVER			0	0-1		
082.0	RICKETTSIA RICKETTSII				***		
056.9	RUBELLA			0	0-1	1	
771.0	RUBELLA CONGENITAL			0	0-0		1
041.2	S.PNEUM.OTHER	2	1	1	0-3	7	6
003.0	SALMONELLA	17	15	18	6-30	97	72
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS			0	0-0		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	2		2	0-5	9	14
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
041.1	STREP PYOGENES - OTHER	3	10		***	30	35
711.0	STREP.PNEUM.ARTHRITIS			0	0-1		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES		4	1	0-5	4	12
037	TETANUS			0	0-1	1	
130.9	TOXOPLASMOSIS		1	0	0-1	1	1
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI		1	0	0-0		3
013	TUBERCULOSIS - NON-RESP.	7	3	2	0-6	13	10
010	TUBERCULOSIS - PRIM.	1	1	2	0-6	1	4
011	TUBERCULOSIS - RESP	10	6	10	4-16	24	27
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID		2	0	0-1	1	3
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	30	75		***	63	298
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.41	WNV NEUROLOGICAL				***		
008.44	YERSINIA ENTEROCOLITICA	4	1	1	0-3	4	7
		478	557			1860	2247

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR APRIL 2011

ICD9	Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing Age/Gender	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS								1											1									2
038.0	BETA STREP SEPTICEMIA									1		1			1				2	2			1			2	1		11
008.43	CAMPYLOBACTER		1	2	5	1	1				1					1				1	1	2	1	1	1		1		20
558.2	CLOSTRIDIUM DIFFICILE	1	1		1			1		3	1	1	1	1			2	4		11	8	9	9	13	8	14	8		97
007.8	CRYPTOSPORIDIOSIS				1																								1
123.4	DIPHYLLOBOTHRIUM																1												1
008.0	E. COLI 0157				1									2	1			1				1							6
007.1	GIARDIA LAMBLIA			1	1			1	1		1										1	1	1						8
041.5	H.INFLUENZAE (OTHER STER															1													1
070.1	HEPATITIS A																						1						1
070.51	HEPATITIS C											1	1	2	1	3		4	6	1	4							3	26
487.1B	INFLUENZA B		3				1		1				1	1					1										8
B95.6	MRSA	4	6	12	15	8	6	1	7	10	7	9	4	6	10	5	8	18	10	10	8	10	21	8	9	10	12		234
728.86	NECROTIZING FASCIITIS				1	1									1														3
033.0	PERTUSSIS		1																										1
038.2	PNEUM. SEPTICEMIA		1		1									1	1	2				2	5		1	1		1	1		17
003.0	SALMONELLA		1		1	1		1	1		1	1		1	1	1	1		1	1	1					1			15
041.1	STREP PYOGENES - OTHER ST						1				1							1		1	2	1	1	1			1		10
041.2	STREP.PNEUM.OTHER																			1									1
127.2	STRONGYLOIDIASIS			1					1						1			1											4
130.9	TOXOPLASMOSIS											1																	1
086	TRYPANOSOMIASIS																			1									1
013	TUBERCULOSIS - NON-RESP.								1											1	1								3
010	TUBERCULOSIS - PRIM.			1																									1
011	TUBERCULOSIS - RESP										1						1		1			1					2		6
002.0	TYPHOID											1		1															2
B96.8	VANCOMYCIN RES. ENTER.								1	1	2		1	1	5		2	3	4	8	4	8	9	9	11	6			75
008.44	YERSINIA ENTEROCOLITICA																									1			1
		5	14	17	27	11	9	4	12	16	13	17	8	13	19	16	16	32	23	36	40	30	43	34	27	41	31		557

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR APRIL 2011

ICD9	Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP**	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	1					1																2
038.0	BETA STREP SEPTICEMIA	8			1									1				1					11
008.43	CAMPYLOBACTER	5					1		4		7		3										20
558.2	CLOSTRIDIUM DIFFICILE	51	6		3		7	1	8		8		4		2			5	2				97
007.8	CRYPTOSPORIDIOSIS						1																1
123.4	DIPHYLLOBOTHRIUM	1																					1
008.0	E. COLI 0157	3							1		2												6
007.1	GIARDIA LAMBLIA	6									2												8
041.5	H.INFLUENZAE (OTHER STER																		1				1
070.1	HEPATITIS A	1																					1
070.51	HEPATITIS C	15	2						4	1					1		1		1		1		26
487.1B	INFLUENZA B	5			1						2												8
B95.6	MRSA	90	2	2	2		7	3	9		4		8	1	3	1	10	81	11				234
728.86	NECROTIZING FASCIITIS	2							1														3
033.0	PERTUSSIS						1																1
038.2	PNEUM. SEPTICEMIA	9					1	1					2		2		1		1				17
003.0	SALMONELLA	8						1			3		2		1								15
041.1	STREP PYOGENES - OTHER ST	4					2				1							3					10
041.2	STREP.PNEUM.OTHER	1																					1
127.2	STRONGYLOIDIASIS	4																					4
130.9	TOXOPLASMOSIS										1												1
086	TRYPANOSOMIASIS										1												1
013	TUBERCULOSIS - NON-RESP.	2																	1				3
010	TUBERCULOSIS - PRIM.	1																					1
011	TUBERCULOSIS - RESP	4																2					6
002.0	TYPHOID	2																					2
B96.8	VANCOMYCIN RES. ENTER.	42		1	4		2	1	5		5	1	3		3	1	2	5					75
008.44	YERSINIA ENTEROCOLITICA	1																					1
		266	10	3	11		23	7	32	1	36	1	22	2	12	2	14	97	17		1		557

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** OOP=Out of Province

STBBI Infection Summary Report - April 2011

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2010	2011	2010	2011
All Chlamydia Infections	563	476	2248	2193
All Gonorrhea Infections (including PRNG)	90	57	345	291
All Syphilis Infections*	5	2	20	12
Gonorrhea & Chlamydia Co-infections	33	23	153	138
HIV	8	6	37	27

Total Number of STBBI Cases by Age and Gender - April 2011

	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing age/gender	
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		TOTAL
Chlamydia Only Cases	1						4		99	35	97	57	48	29	34	24	10	7	3	1	1	2					1	453
Gonorrhea Only Cases									4	1	4	2	6	4	4	3	2	3		1								34
Syphilis Only Cases																		1				1						2
GC and CT Cases							1		5	5	5	5		1		1												23
TOTAL	1						5		108	41	106	64	54	34	38	28	12	11	3	2	1	3						512
HIV									2					2		1				1								6

Regional STBBI Distribution - April 2011

Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP***	Missing	TOTAL
Case Referred to:**			F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
All Chlamydia Infections	220	23	18	11	1	8	7	19		22		12	5	6	6	27	59	26		6		476
All Gonorrhea Infections	16		4				1			3				1	1	4	15	10		2		57
All Syphilis Infections	2																					2
GC and CT Infections	4		2												1	2	10	2		2		23

* Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

** F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

*** OOP=Out of Province

Manitoba Monthly Surveillance Unit Report

Reported up to May 31, 2011

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 55% of all non-STBBI related communicable diseases reported to Manitoba Health during May 2011.

The data reveal that there are increased numbers of Vancomycin-resistant *Enterococcus* (VRE) in 2011 compared to 2010. The increased number of VRE cases in 2011 is attributable to hospital-related VRE outbreaks reported this year.

2. Sexually Transmitted & Blood-Borne Infections (STBBI)

There were 646 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in May 2011:

- 569 reported cases of chlamydia (CT) only
- 38 reported cases of gonorrhoea (GC) only
- 36 reported co-infections of CT and GC and
- 3 reported cases of syphilis

Chlamydia has the highest incidence of reported STBBI. Females between the ages of 15 and 24 years comprised 43% of all reported chlamydia cases in the province.

Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

In May 2011, there were no cases of Hepatitis B virus (HBV), 35 cases of Hepatitis C virus (HCV) and 8 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in May 2011 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- *Clostridium Perfringens*: 2 positive lab-confirmed cases reported; less than 2 expected in an average month.

The expected number of cases and range is statistically based on the number of reported cases during April, May, and June, 2006-2010.

Explanatory Notes:

General:

Each monthly communicable disease report includes the number of cases of notifiable communicable diseases reported by lab or health provider during each individual month. Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date as symptom onset date is frequently not recorded. Some discrepancy of numbers may be based on reporting delays.

The observed numbers of cases are compared to the statistically expected range for each reportable communicable disease. This involves comparing the current month's case counts to the average case counts for the same month, one month subsequent and one month prior for the previous five years. These same months over the five years are used to determine the expected range of cases using the statistical calculation of standard deviation. Using this specific monthly pattern allows for adjustment within the statistics for both seasonality and cyclical disease patterns.

The year-to-date case counts are based on the calendar year.

The disease data reported in the monthly report has not been analyzed for severity or associated deaths at this time.

Disease specific information:

Methicillin-resistant *Staphylococcus aureus* (MRSA) positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals who have no symptoms and are mostly diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would usually result in a rise in colonized MRSA cases.

A new case of Hepatitis C Virus (HCV) infection is defined as a first positive test for an identifiable individual.

A new case of Human Immunodeficiency Virus (HIV) infection is defined as a positive test with a unique code that has not been previously linked to a positive test result in Manitoba. Positive HIV tests included in this month's statistics include both nominal and non-nominal testing results.

The number of Tuberculosis cases year-to-date may not equal the sum of cases reported for each month of this year. As new test results are received, there may be a change in diagnosis. Occasionally, diagnosis dates are updated, which also contributes to total numbers varying from month to month.

SUMMARY OF COMMUNICABLE DISEASE FOR May 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
006.9	AMEBIASIS	3	1	5	1-9	19	8
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1		
005.8	B. CEREUS			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		1
038.0	BETA STREP SEPTICEMIA	14	10		***	46	61
116.0	BLASTOMYCOSIS	2			***	3	2
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1		
005.2	C. PERFRINGENS		2	0	0-1		2
008.43	CAMPYLOBACTER	21	19	19	6-32	80	93
558.2	CLOSTRIDIUM DIFFICILE	72	68		***	386	376
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS		1	1	0-3	6	8
061.0	DENGUE FEVER			0	0-0		1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS	2		0	0-2	6	
032	DIPHTHERIA CASES			0	0-1	1	
123.4	DIPHYLLOBOTHRIUM SPP			1	0-3		2
008.0	E. COLI-VEROTOXIGENIC	4	3	5	0-13	19	18
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	9	8	10	3-17	51	38
320.0	H.INFLUENZAE (CSF)			0	0-0		1
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1		2
041.59	HAEM. INFLUENZAE (non-B)				***		
480.8	HANTA VIRUS			0	0-1		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A		3	1	0-3	2	5
070.3	HEPATITIS B			1	0-2		2
070.51	HEPATITIS C	24	35	28	17-39	122	136
487.1A	INFLUENZA A				***		113
487.1B	INFLUENZA B		1		***		11
482.83	LEGIONELLA	1		0	0-1	2	1
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES	1	1	0	0-1	1	1
088.81	LYME DISEASE			0	0-1	1	
084	MALARIA		4	2	0-6	4	7
055.9	MEASLES	1		0	0-1	1	
036.0	MENINGOCOCCAL CSF			0	0-1		1
036.82	MENINGOCOCCAL ARTHROPATHY				***	2	
036.2	MENINGOCOCCAL BLOOD			0	0-1	2	
B95.6	MRSA	266	249	171	62-280	1199	1201
072.9	MUMPS			1	0-3	1	9
036.89	N.MENINGITIDIS OTHER			0	0-0		
728.86	NECROTIZING FASCIITIS	1		1	0-4	5	3
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	12	3	3	0-11	22	8
038.2	PNEUM. SEPTICEMIA	15	10	12	5-19	71	69
073.9	PSITTACOSIS			0	0-0		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

**** Excludes Wave 1 and 2 cases reported during the 2009/2010 Influenza A H1N1 pandemic. There were no cases of pandemic H1N1 in May 2011.

SUMMARY OF COMMUNICABLE DISEASE FOR May 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
083.0	Q FEVER			0	0-0		1
082.0	RICKETTSIA RICKETTSII				***		
056.9	RUBELLA			0	0-1	1	
771.0	RUBELLA CONGENITAL			0	0-0		1
041.2	S.PNEUM.OTHER	1	1	0	0-1	8	7
003.0	SALMONELLA	9	10	17	4-30	106	84
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS			0	0-0		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	5	1	1	0-4	14	15
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
041.1	STREP PYOGENES - OTHER	3	8		***	33	43
711.0	STREP.PNEUM.ARTHRITIS			0	0-1		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES	2	3	1	0-5	6	15
037	TETANUS			0	0-0	1	
130.9	TOXOPLASMOSIS	1		0	0-1	2	1
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI		1	0	0-1		4
013	TUBERCULOSIS - NON-RESP.	2	1	2	0-6	15	11
010	TUBERCULOSIS - PRIM.	1	1	1	0-3	2	5
011	TUBERCULOSIS - RESP	10	8	10	2-18	34	35
021.9	TULAREMIA	1		0	0-1	1	
002.0	TYPHOID		1	0	0-1	1	4
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	64	121		***	127	419
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER	1			***	1	
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.41	WNV NEUROLOGICAL				***		
008.44	YERSINIA ENTEROCOLITICA			1	0-3	4	7
		548	574			2408	2832

- * Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.
- ** Mean +/- 2 standard deviations of the mean.
- *** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR MAY 2011

ICD9	Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing Age/Gender	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS													1															1
038.0	BETA STREP SEPTICEMIA				1											1		1		1	1		1		3	1			10
005.2	C. PERFRINGENS																				1				1				2
008.43	CAMPYLOBACTER			2	1		2					1	4			1	1		1	2		2		1	1				19
558.2	CLOSTRIDIUM DIFFICILE	1								1		1	1		2	1	3	2	1	6	5	7	7	3	3	14	10		68
007.8	CRYPTOSPORIDIOSIS									1																			1
008.0	E. COLI 0157						1	1				1																	3
007.1	GIARDIA LAMBLIA			2		1	1	1								1		1	1										8
070.1	HEPATITIS A			1															1			1							3
070.51	HEPATITIS C											3	1	2	1	3	3	2	11	1	5	1	1	1					35
487.1B	INFLUENZA B																	1											1
027.0	LISTERIA MONOCYTOGENES																									1			1
084	MALARIA															1		1	2										4
B95.6	MRSA	10	5	7	9	1	6	7	5	7	4	6	4	8	13	19	9	15	15	8	12	13	12	13	7	18	16		249
033.0	PERTUSSIS	3																											3
038.2	PNEUM. SEPTICEMIA	1												1						1	2			3	2				10
003.0	SALMONELLA	1			1					1		1				1	1		2	1		1							10
004	SHIGELLOSIS																						1						1
041.1	STREP PYOGENES - OTHER ST							1				1		1		1		1		1		2							8
041.2	STREP.PNEUM.OTHER																								1				1
127.2	STRONGYLOIDIASIS													1	1									1					3
086	TRYPANOSOMIASIS																		1										1
013	TUBERCULOSIS - NON-RESP.																						1						1
010	TUBERCULOSIS - PRIM.					1																							1
011	TUBERCULOSIS - RESP													1		1		1	1	1	1	1				1			8
002.0	TYPHOID											1																	1
B96.8	VANCOMYCIN RES. ENTER.		1							1		1		2	6	1	5	8	6	4	14	17	12	17	17	9			121
		16	6	12	12	3	10	10	5	9	6	12	14	14	19	34	19	28	42	28	33	40	43	32	32	57	38		574

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR MAY 2011

ICD9	Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP**	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	1																					1
038.0	BETA STREP SEPTICEMIA	8										1				1							10
005.2	C. PERFRINGENS	1					1																2
008.43	CAMPYLOBACTER	4	1				4		3		3	1	2		1								19
558.2	CLOSTRIDIUM DIFFICILE	38	1		4		1		5		9		3		5			1	1				68
007.8	CRYPTOSPORIDIOSIS											1											1
008.0	E. COLI 0157	1					2																3
007.1	GIARDIA LAMBLIA	2								4		2											8
070.1	HEPATITIS A	2										1											3
070.51	HEPATITIS C	23	1		1					3				3		1	2				1		35
487.1B	INFLUENZA B											1											1
027.0	LISTERIA MONOCYTOGENES							1															1
084	MALARIA	3								1													4
B95.6	MRSA	103	5	6	4		4	1	10	6		8	1	8		6	74	11				2	249
033.0	PERTUSSIS	2						1															3
038.2	PNEUM. SEPTICEMIA	7			1									1		1							10
003.0	SALMONELLA	6	1				1		1	1													10
004	SHIGELLOSIS	1																					1
041.1	STREP PYOGENES - OTHER ST	5															3						8
041.2	STREP.PNEUM.OTHER	1																					1
127.2	STRONGYLOIDIASIS	2						1															3
086	TRYPANOSOMIASIS					1																	1
013	TUBERCULOSIS - NON-RESP.														1								1
010	TUBERCULOSIS - PRIM.	1																					1
011	TUBERCULOSIS - RESP	3						1									4						8
002.0	TYPHOID	1																					1
B96.8	VANCOMYCIN RES. ENTER.	91		2	1		5	2	8	5		2		1			4						121
		306	9	8	11		19	3	31		32	1	21	1	19	1	9	88	12		1	2	574

* F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

** OOP=Out of Province

STBBI Infection Summary Report - May 2011

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2010	2011	2010	2011
All Chlamydia Infections	507	605	2755	2795
All Gonorrhea Infections (including PRNG)	93	74	438	365
All Syphilis Infections*	4	3	24	15
Gonorrhea & Chlamydia Co-infections	37	36	190	174
HIV	8	8	45	35

Total Number of STBBI Cases by Age and Gender - May 2011

Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing age/gender	TOTAL
	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
Chlamydia Only Cases		1					5		117	44	130	67	52	44	40	43	8	13	3		1	1						569
Gonorrhea Only Cases									5	4	5	3	3	7	3	5		2			1							38
Syphilis Only Cases															1		1		1									3
GC and CT Cases							1	1	13	4	6	4	3	1		2		1										36
TOTAL		1					6	1	135	52	141	74	58	52	44	50	9	16	4		1	2						646
HIV										1	1				3	2		1										8

Regional STBBI Distribution - May 2011

Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP***	Missing	TOTAL
Case Referred to:**			F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
All Chlamydia Infections	296	18	11	7	1	10	10	21	2	25		14	3	14	6	35	89	29	3	10	1	605
All Gonorrhea Infections	23	2	2	1		1	2	1		1			2		2	4	19	10	1	3		74
All Syphilis Infections	3																					3
GC and CT Infections	8		2	1			1						1		1	1	14	4	1	2		36

* Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

** F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

*** OOP=Out of Province

Manitoba Monthly Surveillance Unit Report

Reported up to June 30, 2011

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 59% of all non-STBBI related communicable diseases reported to Manitoba Health during June 2011.

The data reveal that there are increased numbers of Vancomycin-resistant *Enterococcus* (VRE) in 2011 compared to 2010. The increased number of VRE cases in 2011 is attributable to hospital-related VRE outbreaks reported this year.

2. Sexually Transmitted & Blood-Borne Infections (STBBI)

There were 654 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in June 2011:

- 557 reported cases of chlamydia (CT) only
- 47 reported cases of gonorrhoea (GC) only
- 40 reported co-infections of CT and GC and
- 10 reported cases of syphilis

Chlamydia has the highest incidence of reported STBBI. Females between the ages of 15 and 24 years comprised 43% of all reported chlamydia cases in the province.

Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

In June 2011, there was one case of Hepatitis B virus (HBV), 15 cases of Hepatitis C virus (HCV) and 7 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in June 2011 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Dengue Fever: 1 positive lab-confirmed case reported; less than 1 expected in an average month.
- Legionellosis: 2 positive lab-confirmed cases reported; less than 2 expected in an average month.
- *Neisseria meningitidis* (other sterile site): 1 positive lab-confirmed case reported; less than 1 expected in an average month.

The expected number of cases and range is statistically based on the number of reported cases during May, June, and July, 2006-2010.

Explanatory Notes:

General:

Each monthly communicable disease report includes the number of cases of notifiable communicable diseases reported by lab or health provider during each individual month. Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date as symptom onset date is frequently not recorded. Some discrepancy of numbers may be based on reporting delays.

The observed numbers of cases are compared to the statistically expected range for each reportable communicable disease. This involves comparing the current month's case counts to the average case counts for the same month, one month subsequent and one month prior for the previous five years. These same months over the five years are used to determine the expected range of cases using the statistical calculation of standard deviation. Using this specific monthly pattern allows for adjustment within the statistics for both seasonality and cyclical disease patterns.

The year-to-date case counts are based on the calendar year.

The disease data reported in the monthly report has not been analyzed for severity or associated deaths at this time.

Disease specific information:

Methicillin-resistant *Staphylococcus aureus* (MRSA) positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals who have no symptoms and are mostly diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would usually result in a rise in colonized MRSA cases.

A new case of Hepatitis C Virus (HCV) infection is defined as a first positive test for an identifiable individual.

A new case of Human Immunodeficiency Virus (HIV) infection is defined as a positive test with a unique code that has not been previously linked to a positive test result in Manitoba. Positive HIV tests included in this month's statistics include both nominal and non-nominal testing results.

The number of Tuberculosis cases year-to-date may not equal the sum of cases reported for each month of this year. As new test results are received, there may be a change in diagnosis. Occasionally, diagnosis dates are updated, which also contributes to total numbers varying from month to month.

SUMMARY OF COMMUNICABLE DISEASE FOR June 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
006.9	AMEBIASIS	4	3	4	0-9	23	11
022	ANTHRAX				***		
127.0	ASCARIASIS	1		0	0-1	1	
005.8	B. CEREUS			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		1
038.0	BETA STREP SEPTICEMIA	20	8		***	66	69
116.0	BLASTOMYCOSIS				***	3	2
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1		
005.2	C. PERFRINGENS			0	0-1		2
008.43	CAMPYLOBACTER	28	28	22	9-35	108	123
558.2	CLOSTRIDIUM DIFFICILE	83	93		***	469	469
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS		4	2	0-7	6	12
061.0	DENGUE FEVER		1	0	0-0		3
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1	6	
032	DIPHTHERIA CASES			0	0-0	1	
123.4	DIPHYLLOTHRIUM SPP	3	3	1	0-3	3	5
008.0	E. COLI-VEROTOXIGENIC	7	7	7	0-21	26	25
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	13	5	13	4-22	64	44
320.0	H.INFLUENZAE (CSF)			0	0-1		1
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-0		2
041.59	HAEM. INFLUENZAE (non-B)				***		
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A		1	1	0-3	2	6
070.3	HEPATITIS B	1	1	0	0-1	1	3
070.51	HEPATITIS C	28	15	29	20-38	150	150
487.1A	INFLUENZA A				***		113
487.1B	INFLUENZA B				***		11
482.83	LEGIONELLA	1	2	0	0-1	3	3
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		
027.0	LISTERIA MONOCYTOGENES			0	0-1	1	1
088.81	LYME DISEASE	2		1	0-3	3	
084	MALARIA	2	2	2	0-6	6	9
055.9	MEASLES			0	0-1	1	
036.0	MENINGOCOCCAL CSF			0	0-1		1
036.82	MENINGOCOCCAL ARTHROPATHY				***	2	
036.2	MENINGOCOCCAL BLOOD	1		0	0-1	3	
B95.6	MRSA	270	244	192	62-322	1469	1445
072.9	MUMPS		1	1	0-3	1	10
036.89	N.MENINGITIDIS OTHER		1	0	0-0		1
728.86	NECROTIZING FASCIITIS	3		2	0-6	8	3
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	5	2	3	0-10	27	10
038.2	PNEUM. SEPTICEMIA	10	7	10	3-17	81	77
073.9	PSITTACOSIS			0	0-0		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

**** Excludes Wave 1 and 2 cases reported during the 2009/2010 Influenza A H1N1 pandemic. There were no cases of pandemic H1N1 in June 2011.

SUMMARY OF COMMUNICABLE DISEASE FOR June 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
083.0	Q FEVER			0	0-0		1
082.0	RICKETTSIA RICKETTSII		1		***		1
056.9	RUBELLA	1		0	0-1	2	
771.0	RUBELLA CONGENITAL			0	0-0		1
041.2	S.PNEUM.OTHER		1	0	0-1	8	8
003.0	SALMONELLA	7	13	18	4-32	113	98
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS			0	0-0		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	2	2	1	0-4	16	17
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***		
481.9	STREP PNEUMONIA - PR			0	0-1		
041.1	STREP PYOGENES - OTHER	8	10		***	41	53
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES	1	2	1	0-5	7	17
037	TETANUS			0	0-0	1	
130.9	TOXOPLASMOSIS			0	0-1	2	1
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI		1	0	0-2		5
013-018	TUBERCULOSIS - NON-RESP.	5	3	2	0-4	20	13
010	TUBERCULOSIS - PRIM.	1		1	0-3	3	5
011-012	TUBERCULOSIS - RESP	12	5	10	2-18	46	40
021.9	TULAREMIA			0	0-1	1	
002.0	TYPHOID			0	0-1	1	4
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	34	102		***	161	521
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***	1	
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.41	WNV NEUROLOGICAL				***		
008.44	YERSINIA ENTEROCOLITICA			1	0-2	4	7
		553	568			2961	3404

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR JUNE 2011

ICD9	Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing Age/Gender	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS													1	1		1												3
038.0	BETA STREP SEPTICEMIA															1				1	1			1	2	1	1		8
008.43	CAMPYLOBACTER		1	1	3					1	2	1	3	1	2			1	3	2	3		3				1		28
558.2	CLOSTRIDIUM DIFFICILE									2		1	1	1		3	2	6	4	10	4	14	7	6	14	9	9		93
007.8	CRYPTOSPORIDIOSIS							2	1							1													4
061.0	DENGUE FEVER																							1					1
123.4	DIPHYLLOBOTHRIUM							1						1	1														3
008.0	E. COLI 0157									1		1				1		2		1		1							7
007.1	GIARDIA LAMBLIA				1			1								1	1					1							5
070.1	HEPATITIS A																				1								1
070.3	HEPATITIS B													1															1
070.51	HEPATITIS C			1								1		2		3	2	2	1	1	1		1						15
482.83	LEGIONELLA																		1			1							2
084	MALARIA															1					1								2
B95.6	MRSA	7	4	9	12	7	4	3	7	8	8	11	13	4	3	5	19	15	16	8	13	10	14	7	14	11	12		244
072.9	MUMPS													1															1
036.89	NEISSERIA MGTS(Other)																				1								1
033.0	PERTUSSIS	1	1																										2
038.2	PNEUM. SEPTICEMIA			1	1											1			1		1		1	1					7
082.0	RICKETTSIA RICKETTSII																	1											1
003.0	SALMONELLA					1				1	2					1	1			2			3		1		1		13
004	SHIGELLOSIS											1							1										2
041.1	STREP PYOGENES - OTHER ST									1	1		1		1	2		1			2					1			10
041.2	STREP.PNEUM.OTHER																							1					1
127.2	STRONGYLOIDIASIS																	1									1		2
086	TRYPANOSOMIASIS																			1									1
013-018	TUBERCULOSIS - NON-RESP.													1							1		1						3
011-012	TUBERCULOSIS - RESP													1		1	1	1						1					5
B96.8	VANCOMYCIN RES. ENTER.													1		4	2	3	3	11	7	9	15	8	12	13	14		102
		8	6	12	17	7	5	3	11	12	13	17	19	12	9	22	31	32	32	38	31	41	45	26	45	35	39		568

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR JUNE 2011

ICD9	Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP**	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	3																					3
038.0	BETA STREP SEPTICEMIA	5	1													1	1						8
008.43	CAMPYLOBACTER	7	1				1		2	1	4		7		2		1	2					28
558.2	CLOSTRIDIUM DIFFICILE	54	2		3		7		8		4	1	4		5		1	4					93
007.8	CRYPTOSPORIDIOSIS	1									1		2										4
061.0	DENGUE FEVER	1																					1
123.4	DIPHYLLOBOTHRIUM	2									1												3
008.0	E. COLI 0157	2			1		2				2												7
007.1	GIARDIA LAMBLIA	2							2				1										5
070.1	HEPATITIS A				1																		1
070.3	HEPATITIS B	1																					1
070.51	HEPATITIS C	10	1		1										1			1			1		15
482.83	LEGIONELLA												1		1								2
084	MALARIA																1					1	2
B95.6	MRSA	104	2	4			1	1	13		2	3	9	2	3		6	82	12				244
072.9	MUMPS	1																					1
036.89	NEISSERIA MGTS(Other)										1												1
033.0	PERTUSSIS	2																					2
038.2	PNEUM. SEPTICEMIA	6											1										7
082.0	RICKETTSIA RICKETTSII	1																					1
003.0	SALMONELLA	9					1		1		1				1								13
004	SHIGELLOSIS	1											1										2
041.1	STREP PYOGENES - OTHER ST	8	1															1					10
041.2	STREP.PNEUM.OTHER		1																				1
127.2	STRONGYLOIDIASIS	2																					2
086	TRYPANOSOMIASIS						1																1
013-018	TUBERCULOSIS - NON-RESP.	2																1					3
011-012	TUBERCULOSIS - RESP	2					1											2					5
B96.8	VANCOMYCIN RES. ENTER.	72	1	2	3		6	1			3	1	2		3		2	6					102
		298	10	6	9		20	2	26	1	19	5	28	2	16		12	100	12		1	1	568

* F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

** OOP=Out of Province

2011-08-15

STBBI Infection Summary Report - June 2011

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2010	2011	2010	2011
All Chlamydia Infections	526	597	3281	3395
All Gonorrhea Infections (including PRNG)	58	87	496	452
All Syphilis Infections*	6	10	30	25
Gonorrhea & Chlamydia Co-infections	31	40	221	214
HIV	16	7	61	42

Total Number of STBBI Cases by Age and Gender - June 2011

Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing age/gender	TOTAL
	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
Chlamydia Only Cases							8		124	42	113	77	51	46	33	33	10	14	4	2								557
Gonorrhea Only Cases									6	5	9	4	3	2	8	5	1	3				1						47
Syphilis Only Cases												3		1		2		1	1	2								10
GC and CT Cases									11	4	6	8	1	3	4	2		1										40
TOTAL							8		141	51	128	92	55	52	45	42	11	19	5	4		1						654
HIV											2			1	1	2				1								7

Regional STBBI Distribution - June 2011

Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP***	Missing	TOTAL
Case Referred to:**			F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
All Chlamydia Infections	314	15	13	10	1	11	12	21	1	23		13	4	14	6	21	82	31		5		597
All Gonorrhea Infections	39	2	2			1	3	3						2	4	1	22	6		2		87
All Syphilis Infections	6									3									1			10
GC and CT Infections	13	2					2	2							1	1	15	3		1		40

* Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

** F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

*** OOP=Out of Province

Manitoba Monthly Surveillance Unit Report

Reported up to July 31, 2011

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 64% of all non-STBBI related communicable diseases reported to Manitoba Health during July 2011.

The data reveal that there are increased numbers of Vancomycin-resistant *Enterococcus* (VRE) in 2011 compared to 2010. The increased number of VRE cases in 2011 is attributable to hospital-related VRE outbreaks reported this year.

2. Sexually Transmitted & Blood-Borne Infections (STBBI)

There were 543 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in July 2011:

- 456 reported cases of chlamydia (CT) only
- 51 reported cases of gonorrhoea (GC) only
- 30 reported co-infections of CT and GC and
- 6 reported cases of syphilis

Chlamydia has the highest incidence of reported STBBI. Females between the ages of 15 and 24 years comprised 45% of all reported chlamydia cases in the province.

Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

In July 2011, there was one acute case of Hepatitis B virus (HBV), 23 cases of Hepatitis C virus (HCV) and 7 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in July 2011 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Strongyloidiasis: 7 positive lab-confirmed cases reported; less than 4 expected in an average month.

The expected number of cases and range is statistically based on the number of reported cases during June, July, and August, 2006-2010.

Explanatory Notes:

General:

Each monthly communicable disease report includes the number of cases of notifiable communicable diseases reported by lab or health provider during each individual month. Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date as symptom onset date is frequently not recorded. Some discrepancy of numbers may be based on reporting delays.

The observed numbers of cases are compared to the statistically expected range for each reportable communicable disease. This involves comparing the current month's case counts to the average case counts for the same month, one month subsequent and one month prior for the previous five years. These same months over the five years are used to determine the expected range of cases using the statistical calculation of standard deviation. Using this specific monthly pattern allows for adjustment within the statistics for both seasonality and cyclical disease patterns.

The year-to-date case counts are based on the calendar year.

The disease data reported in the monthly report has not been analyzed for severity or associated deaths at this time.

Disease specific information:

Methicillin-resistant *Staphylococcus aureus* (MRSA) positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals who have no symptoms and are mostly diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would usually result in a rise in colonized MRSA cases.

A new case of Hepatitis C Virus (HCV) infection is defined as a first positive test for an identifiable individual.

A new case of Human Immunodeficiency Virus (HIV) infection is defined as a positive test with a unique code that has not been previously linked to a positive test result in Manitoba. Positive HIV tests included in this month's statistics include both nominal and non-nominal testing results.

The number of Tuberculosis cases year-to-date may not equal the sum of cases reported for each month of this year. As new test results are received, there may be a change in diagnosis. Occasionally, diagnosis dates are updated, which also contributes to total numbers varying from month to month.

SUMMARY OF COMMUNICABLE DISEASE FOR July 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
006.9	AMEBIASIS	2	1	3	0-7	25	12
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1	1	
005.8	B. CEREUS			0	0-2		
320.1	BAC. MENINGITIS - PNEUM		1	0	0-1		1
320.7	BAC.MENINGITIS-LISTERIA				***		1
038.0	BETA STREP SEPTICEMIA	11	14		***	77	83
116.0	BLASTOMYCOSIS	2			***	5	2
005.1	BOTULISM				***		
023	BRUCELLOSIS		1	0	0-1		1
005.2	C. PERFRINGENS			0	0-1		2
008.43	CAMPYLOBACTER	22	26	25	15-35	130	150
558.2	CLOSTRIDIUM DIFFICILE	64	66		***	533	535
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1		6	0-23	7	12
061.0	DENGUE FEVER			0	0-0		3
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1	6	
032	DIPHtheria CASES			0	0-0	1	
123.4	DIPHYLLOBOTHRIUM SPP	3	1	1	0-5	6	6
008.0	E. COLI-VEROTOXIGENIC	3	6	14	0-47	29	31
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	10	3	15	6-24	74	49
320.0	H.INFLUENZAE (CSF)	1		0	0-1	1	1
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1		2
041.59	HAEM. INFLUENZAE (non-B)				***		
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME	1		0	0-1	1	
070.1	HEPATITIS A			1	0-3	2	6
070.3	HEPATITIS B		1	0	0-1	2	2
070.51	HEPATITIS C	31	23	28	20-36	181	172
487.1A	INFLUENZA A				***		113
487.1B	INFLUENZA B				***		11
482.83	LEGIONELLA	1		0	0-1	4	3
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES		1	0	0-1	1	2
088.81	LYME DISEASE			1	0-4	3	
084	MALARIA	1	1	1	0-5	7	10
055.9	MEASLES			0	0-0	1	
036.0	MENINGOCOCCAL CSF			0	0-1		1
036.82	MENINGOCOCCAL ARTHROPATHY				***	2	
036.2	MENINGOCOCCAL BLOOD	1		0	0-1	4	
B95.6	MRSA	339	347	233	86-380	1808	1788
072.9	MUMPS	1		0	0-1	2	9
036.89	N.MENINGITIDIS OTHER			0	0-1		1
728.86	NECROTIZING FASCIITIS		1	2	0-6	8	4
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	9	2	3	0-9	36	13
038.2	PNEUM. SEPTICEMIA	7	1	8	2-14	88	79
073.9	PSITTACOSIS			0	0-0		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

**** Excludes Wave 1 and 2 cases reported during the 2009/2010 Influenza A H1N1 pandemic. There were no cases of pandemic H1N1 in July 2011.

SUMMARY OF COMMUNICABLE DISEASE FOR July 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
083.0	Q FEVER			0	0-0		1
082.0	RICKETTSIA RICKETTSII	1			***	1	1
056.9	RUBELLA			0	0-1	2	1
771.0	RUBELLA CONGENITAL			0	0-0		1
041.2	S.PNEUM.OTHER	1		0	0-2	9	8
003.0	SALMONELLA	28	11	20	6-34	141	110
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS			0	0-1		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	5	2	2	0-6	21	19
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***		
481.9	STREP PNEUMONIA - PR			0	0-1		
041.1	STREP PYOGENES - OTHER	12	7		***	53	60
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES	3	7	1	0-3	10	25
037	TETANUS			0	0-1	1	
130.9	TOXOPLASMOSIS			0	0-1	2	1
124	TRICHINOSIS			0	0-1		
086	TRYPANOSOMA CRUZI	3	1	0	0-2	3	6
013-018	TUBERCULOSIS - NON-RESP.	3	3	2	0-6	23	16
010	TUBERCULOSIS - PRIM.	1		1	0-3	4	5
011-012	TUBERCULOSIS - RESP	7	11	9	3-15	53	51
021.9	TULAREMIA			0	0-1	1	
002.0	TYPHOID	2		0	0-1	3	4
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	29	104		***	190	625
005.4	VIBRIO PARAHAEMOLYTICUS	1			***	1	
070.59	VIRAL HEP. OTHER	1			***	2	
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.41	WNV NEUROLOGICAL				***		
008.44	YERSINIA ENTEROCOLITICA			1	0-3	4	7
		607	642			3569	4046

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR JULY 2011

ICD9	Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing Age/Gender	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS															1													1
320.1	BAC. MENINGITIS - PNEUM							1																					1
038.0	BETA STREP SEPTICEMIA		1									1		1		1	1		3			2	1	1	1	1			14
023	BRUCELLOSIS																		1										1
008.43	CAMPYLOBACTER			1	2	2	1		2	2	1	1	1	1	3		2	1		2	2		1	1					26
558.2	CLOSTRIDIUM DIFFICILE									1	1	3	1			3	1	3		2	6	11	2	6	11	6	9		66
123.4	DIPHYLLOBOTHRIUM															1													1
008.0	E. COLI 0157							1		1				1	1				1							1			6
007.1	GIARDIA LAMBLIA				1							1						1											3
070.3	HEPATITIS B															1													1
070.51	HEPATITIS C								1			1	1	1	1	3	3	1	4	2	3		1		1				23
027.0	LISTERIA MONOCYTOGENES																				1								1
084	MALARIA																			1									1
B95.6	MRSA	5	2	21	25	11	15	18	16	12	12	17	10	9	7	18	17	16	17	12	16	9	10	7	14	20	11		347
728.86	NECROTIZING FASCIITIS											1																	1
033.0	PERTUSSIS	1		1																									2
038.2	PNEUM. SEPTICEMIA																									1			1
003.0	SALMONELLA			1				1				1		2		2	1	1		1			1						11
004	SHIGELLOSIS														1	1													2
041.1	STREP PYOGENES - OTHER ST		1												1			1	1	1	1	1	1						7
127.2	STRONGYLOIDIASIS			1				1	2			1		1						1									7
086	TRYPANOSOMIASIS																									1			1
013-018	TUBERCULOSIS - NON-RESP.															2		1											3
011-012	TUBERCULOSIS - RESP											1		3	2			2				2				1			11
B96.8	VANCOMYCIN RES. ENTER.													1		1	1	4	3	9	12	9	7	15	13	18	11		104
		6	4	25	28	13	16	20	20	18	15	26	15	18	18	27	31	28	29	32	44	31	26	31	40	48	33		642

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR JULY 2011

ICD9	Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP**	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	1																					1
320.1	BAC. MENINGITIS - PNEUM																	1					1
038.0	BETA STREP SEPTICEMIA	7			1		2		1						1			2					14
023	BRUCELLOSIS				1																		1
008.43	CAMPYLOBACTER	11	1		1		7		2		3						1						26
558.2	CLOSTRIDIUM DIFFICILE	36	1		2		4		4		6		6		3		1	3					66
123.4	DIPHYLLOBOTHRIUM																	1					1
008.0	E. COLI 0157	2	1				2		1														6
007.1	GIARDIA LAMBLIA	1									1									1			3
070.3	HEPATITIS B		1																				1
070.51	HEPATITIS C	17							2		1	1			1			1					23
027.0	LISTERIA MONOCYTOGENES	1																					1
084	MALARIA															1							1
B95.6	MRSA	146	4	5	2		2	2	9		8	3	4	4	2		6	136	13	1			347
728.86	NECROTIZING FASCIITIS	1																					1
033.0	PERTUSSIS						2																2
038.2	PNEUM. SEPTICEMIA										1												1
003.0	SALMONELLA	5	2		1		1				1						1						11
004	SHIGELLOSIS	2																					2
041.1	STREP PYOGENES - OTHER ST	4		1														2					7
127.2	STRONGYLOIDIASIS	7																					7
086	TRYPANOSOMIASIS						1																1
013-018	TUBERCULOSIS - NON-RESP.	2											1										3
011-012	TUBERCULOSIS - RESP	6													1	1		3					11
B96.8	VANCOMYCIN RES. ENTER.	69	3	1	3		8		4		1				1		7	5		1		1	104
		318	13	7	11		29	2	23		22	4	11	4	9	1	16	153	15	3		1	642

* F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

** OOP=Out of Province

STBBI Infection Summary Report - July 2011

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2010	2011	2010	2011
All Chlamydia Infections	491	486	3772	3881
All Gonorrhea Infections (including PRNG)	81	81	577	533
All Syphilis Infections*	5	6	35	31
Gonorrhea & Chlamydia Co-infections	37	30	258	244
HIV	18	7	79	50

Total Number of STBBI Cases by Age and Gender - July 2011

Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing age/gender	TOTAL
	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
Chlamydia Only Cases							3	2	95	30	110	67	42	38	28	20	9	8	2		1	1						456
Gonorrhea Only Cases									5	2	7	6	5	6	6	3	3	4		1		2		1				51
Syphilis Only Cases															2		3				1							6
GC and CT Cases									9	3	4	5	3	4		2												30
TOTAL							3	2	109	35	121	78	50	48	34	27	12	15	2	1	1	4		1				543
HIV												1		1	1	1		1		1						1		7

Regional STBBI Distribution - July 2011

Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP***	Missing	TOTAL
Case Referred to:**			F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
All Chlamydia Infections	218	20	16	8		10	12	18		20		22	3	6	5	30	70	23	1	3	1	486
All Gonorrhea Infections	39	1		1				1	2	1					3	7	19	5	1	1		81
All Syphilis Infections	5																			1		6
GC and CT Infections	10														3	1	15		1			30

* Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

** F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

*** OOP=Out of Province

Manitoba Monthly Surveillance Unit Report

Reported up to August 31, 2011

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 59% of all non-STBBI related communicable diseases reported to Manitoba Health during August 2011.

The data reveal that there are increased numbers of Vancomycin-resistant *Enterococcus* (VRE) in 2011 compared to 2010. The increased number of VRE cases in 2011 is attributable to hospital-related VRE outbreaks reported this year.

2. Sexually Transmitted & Blood-Borne Infections (STBBI)

There were 677 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in August 2011:

- 561 reported cases of chlamydia (CT) only
- 63 reported cases of gonorrhoea (GC) only
- 44 reported co-infections of CT and GC and
- 9 reported cases of syphilis

Chlamydia has the highest incidence of reported STBBI. Females between the ages of 15 and 24 years comprised 48% of all reported chlamydia cases in the province.

Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

In August 2011, there were no acute cases of Hepatitis B virus (HBV), 33 cases of Hepatitis C virus (HCV) and 7 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in August 2011 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Brucellosis: 2 positive lab-confirmed cases reported; less than 2 expected in an average month.
- Campylobacteriosis: 39 positive lab-confirmed cases reported; less than 36 expected in an average month.
- Strongyloidiasis: 5 positive lab-confirmed cases reported; less than 4 expected in an average month.

The expected number of cases and range is statistically based on the number of reported cases during July, August, and September, 2006-2010.

Explanatory Notes:

General:

Each monthly communicable disease report includes the number of cases of notifiable communicable diseases reported by lab or health provider during each individual month. Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date as symptom onset date is frequently not recorded. Some discrepancy of numbers may be based on reporting delays.

The observed numbers of cases are compared to the statistically expected range for each reportable communicable disease. This involves comparing the current month's case counts to the average case counts for the same month, one month subsequent and one month prior for the previous five years. These same months over the five years are used to determine the expected range of cases using the statistical calculation of standard deviation. Using this specific monthly pattern allows for adjustment within the statistics for both seasonality and cyclical disease patterns.

The year-to-date case counts are based on the calendar year.

The disease data reported in the monthly report has not been analyzed for severity or associated deaths at this time.

Disease specific information:

Methicillin-resistant *Staphylococcus aureus* (MRSA) positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals who have no symptoms and are mostly diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would usually result in a rise in colonized MRSA cases.

A new case of Hepatitis C Virus (HCV) infection is defined as a first positive test for an identifiable individual.

A new case of Human Immunodeficiency Virus (HIV) infection is defined as a positive test with a unique code that has not been previously linked to a positive test result in Manitoba. Positive HIV tests included in this month's statistics include both nominal and non-nominal testing results.

The number of Tuberculosis cases year-to-date may not equal the sum of cases reported for each month of this year. As new test results are received, there may be a change in diagnosis. Occasionally, diagnosis dates are updated, which also contributes to total numbers varying from month to month.

SUMMARY OF COMMUNICABLE DISEASE FOR August 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
006.9	AMEBIASIS	2	5	2	0-5	27	17
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1	1	
005.8	B. CEREUS			0	0-2		
320.1	BAC. MENINGITIS - PNEUM		1	0	0-1		2
320.7	BAC.MENINGITIS-LISTERIA				***		1
038.0	BETA STREP SEPTICEMIA	15	18		***	92	101
116.0	BLASTOMYCOSIS		3		***	5	5
005.1	BOTULISM				***		
023	BRUCELLOSIS		2	0	0-1		2
005.2	C. PERFRINGENS	1		0	0-1	1	2
008.43	CAMPYLOBACTER	30	39	27	19-35	161	196
558.2	CLOSTRIDIUM DIFFICILE	48	67		***	581	602
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	1	10	0-27	8	13
061.0	DENGUE FEVER			0	0-0		3
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1	6	
032	DIPHTHERIA CASES			0	0-0	1	
123.4	DIPHYLLOBOTHRIUM SPP			1	0-4	6	6
008.0	E. COLI-VEROTOXIGENIC	50	6	13	0-46	79	38
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	20	11	13	2-24	94	61
320.0	H.INFLUENZAE (CSF)			0	0-1	1	1
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1		2
041.59	HAEM. INFLUENZAE (non-B)	1			***	1	
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1	1	
070.1	HEPATITIS A	2	1	1	0-3	4	7
070.3	HEPATITIS B			0	0-2	1	3
070.51	HEPATITIS C	33	33	28	19-37	214	205
487.1A	INFLUENZA A				***		113
487.1B	INFLUENZA B				***		11
482.83	LEGIONELLA			0	0-1	4	3
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES	2		1	0-2	3	3
088.81	LYME DISEASE			1	0-3	3	4
084	MALARIA		3	1	0-3	7	14
055.9	MEASLES			0	0-0	1	
036.0	MENINGOCOCCAL CSF			0	0-0		1
036.82	MENINGOCOCCAL ARTHROPATHY				***	2	
036.2	MENINGOCOCCAL BLOOD			0	0-1	4	
B95.6	MRSA	374	356	260	123-397	2182	2144
072.9	MUMPS			0	0-1	2	9
036.89	N.MENINGITIDIS OTHER			0	0-1		1
728.86	NECROTIZING FASCIITIS	1		1	0-4	9	4
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	4	6	3	0-9	40	19
038.2	PNEUM. SEPTICEMIA	9	5	7	2-12	97	84
073.9	PSITTACOSIS			0	0-0		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

**** Excludes Wave 1 and 2 cases reported during the 2009/2010 Influenza A H1N1 pandemic. There were no cases of pandemic H1N1 in August 2011.

SUMMARY OF COMMUNICABLE DISEASE FOR August 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
083.0	Q FEVER			0	0-0		1
082.0	RICKETTSIA RICKETTSII				***	1	1
056.9	RUBELLA			0	0-0	2	1
771.0	RUBELLA CONGENITAL			0	0-0		1
041.2	S.PNEUM.OTHER			1	0-3	9	8
003.0	SALMONELLA	25	12	20	7-33	166	126
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS			0	0-1		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	7	2	3	0-7	28	22
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***		
481.9	STREP PNEUMONIA - PR			0	0-1		
041.1	STREP PYOGENES - OTHER	10	8		***	63	68
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES	1	5	1	0-3	11	27
037	TETANUS			0	0-1	1	
130.9	TOXOPLASMOSIS			0	0-0	2	1
124	TRICHINOSIS	2		0	0-1	2	
086	TRYPANOSOMA CRUZI			0	0-2	3	6
013-018	TUBERCULOSIS - NON-RESP.	2	4	2	0-6	25	19
010	TUBERCULOSIS - PRIM.	2	1	1	0-3	6	6
011-012	TUBERCULOSIS - RESP	10	6	9	3-15	63	57
021.9	TULAREMIA			0	0-1	1	
002.0	TYPHOID			0	0-1	3	4
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	18	119		***	208	744
005.4	VIBRIO PARAHAEMOLYTICUS	1			***	2	
070.59	VIRAL HEP. OTHER				***	2	
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.41	WNV NEUROLOGICAL				***		
008.44	YERSINIA ENTEROCOLITICA	1	1	1	0-4	5	8
		672	715			4241	4777

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR AUGUST 2011

ICD9	Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing Age/Gender	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS					1	1							2	1														5
320.1	BAC. MENINGITIS - PNEUM																		1										1
038.0	BETA STREP SEPTICEMIA					1						1		1				1	2		1	1	3	1	1	3	2		18
116.0	BLASTOMYCOSIS															1		1	1										3
023	BRUCELLOSIS															1		1											2
008.43	CAMPYLOBACTER		2	2	3	1	2	1		3	1	2	1	1	1	3	1	1	2	5	2	4					1		39
558.2	CLOSTRIDIUM DIFFICILE			1	1			1		1	2		1	3	1		3	7	2	6	3	3	4	10	6	5	7		67
007.8	CRYPTOSPORIDIOSIS						1																						1
008.0	E. COLI 0157			1	1	1										2			1										6
007.1	GIARDIA LAMBLIA			2	3	2				1	1									1		1							11
070.1	HEPATITIS A						1																						1
070.51	HEPATITIS C									1						3	5	3	6	1	7	3	3	1					33
084	MALARIA																			3									3
B95.6	MRSA	6	7	18	19	6	13	16	9	10	7	12	13	8	12	22	21	17	15	14	17	17	20	10	10	18	19		356
033.0	PERTUSSIS	1	2		2											1													6
038.2	PNEUM. SEPTICEMIA															1		1		1	1					1			5
003.0	SALMONELLA		1				1				1		2				2			1	2	1	1						12
004	SHIGELLOSIS				1														1										2
041.1	STREP PYOGENES - OTHER ST						1											4			1			1	1				8
127.2	STRONGYLOIDIASIS							1				1				1			2										5
013-018	TUBERCULOSIS - NON-RESP.									1				1			1		1										4
010	TUBERCULOSIS - PRIM.					1																							1
011-012	TUBERCULOSIS - RESP																	1		1		2	1	1					6
B96.8	VANCOMYCIN RES. ENTER.										2			1	1	2	4	8	4	3	9	16	19	10	10	15	15		119
008.44	YERSINIA ENTEROCOLITICA			1																									1
		7	12	25	30	12	21	19	9	16	13	17	18	15	17	35	40	43	37	34	48	45	53	34	29	41	45		715

ICD9	Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP**	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	4																	1				5
320.1	BAC. MENINGITIS - PNEUM	1																					1
038.0	BETA STREP SEPTICEMIA	15			1													2					18
116.0	BLASTOMYCOSIS	3																					3
023	BRUCELLOSIS	1					1																2
008.43	CAMPYLOBACTER	19	3				2		2		8		3					1	1				39
558.2	CLOSTRIDIUM DIFFICILE	34	2		5				4		9		6	1	2			2	2				67
007.8	CRYPTOSPORIDIOSIS						1																1
008.0	E. COLI 0157	4							1				1										6
007.1	GIARDIA LAMBLIA	3	1				3				2		1		1								11
070.1	HEPATITIS A	1																					1
070.51	HEPATITIS C	22	1					1	3		1				1		1			2	1		33
084	MALARIA	2																	1				3
B95.6	MRSA	142	4	6	4		4	6	11		11	1	3	1	5	2	14	127	15				356
033.0	PERTUSSIS	2					4																6
038.2	PNEUM. SEPTICEMIA	3	1															1					5
003.0	SALMONELLA	3			2		2		1				1		1			2					12
004	SHIGELLOSIS	1										1											2
041.1	STREP PYOGENES - OTHER ST	6									1								1				8
127.2	STRONGYLOIDIASIS	4					1																5
013-018	TUBERCULOSIS - NON-RESP.	4																					4
010	TUBERCULOSIS - PRIM.																	1					1
011-012	TUBERCULOSIS - RESP	4																	2				6
B96.8	VANCOMYCIN RES. ENTER.	69	1	1	4		16	1	6	2	7		1		4	1	2	3		1			119
008.44	YERSINIA ENTEROCOLITICA	1																					1
		348	13	7	16		34	8	28	2	39	2	16	2	14	3	17	139	23	3	1		715

* F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

** OOP=Out of Province

STBBI Infection Summary Report - August 2011

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2010	2011	2010	2011
All Chlamydia Infections	551	605	4323	4486
All Gonorrhea Infections (including PRNG)	89	107	666	640
All Syphilis Infections*	13	9	48	40
Gonorrhea & Chlamydia Co-infections	40	44	298	288
HIV	4	7	83	57

Total Number of STBBI Cases by Age and Gender - August 2011

Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing age/gender	TOTAL
	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
Chlamydia Only Cases							7	1	133	38	136	71	51	42	33	24	6	13	2	3	1							561
Gonorrhea Only Cases								1	8	5	7	12	8	6	8	5	2	1										63
Syphilis Only Cases						1							2	1	2			2					1					9
GC and CT Cases							1		12	8	6	5	7	2	1	1		1										44
TOTAL						1	8	2	153	51	149	88	68	51	44	30	8	17	2	3	1		1					677
HIV												1		1	1	1		1		1						1		7

Regional STBBI Distribution - August 2011

Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP***	Missing	TOTAL
Case Referred to:**			F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
All Chlamydia Infections	291	18	16	12		12	11	25	1	37		16	3	9	3	36	84	19	1	10	1	605
All Gonorrhea Infections	57	1	5					4		2			1	1	2		26	5		3		107
All Syphilis Infections	8																		1			9
GC and CT Infections	16		2					1		1					1		18	2		3		44

* Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

** F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

*** OOP=Out of Province

Manitoba Monthly Surveillance Unit Report

Reported up to September 30, 2011

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 58% of all non-STBBI related communicable diseases reported to Manitoba Health during September 2011.

The data reveal that there are increased numbers of Vancomycin-resistant *Enterococcus* (VRE) in 2011 compared to 2010. The increased number of VRE cases in 2011 is attributable to hospital-related VRE outbreaks reported this year.

2. Sexually Transmitted & Blood-Borne Infections (STBBI)

There were 706 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in September 2011:

- 581 reported cases of chlamydia (CT) only
- 75 reported cases of gonorrhoea (GC) only
- 47 reported co-infections of CT and GC and
- 3 reported cases of syphilis

Chlamydia has the highest incidence of reported STBBI. Females between the ages of 15 and 24 years comprised 45% of all reported chlamydia cases in the province.

Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

In September 2011, there were no acute cases of Hepatitis B virus (HBV), 32 cases of Hepatitis C virus (HCV) and 7 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in September 2011 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Campylobacteriosis: 41 positive lab-confirmed cases reported; less than 35 expected in an average month.
- Pertussis: 7 positive lab-confirmed cases reported; less than 7 expected in an average month.
- Strongyloidiasis: 5 positive lab-confirmed cases reported; less than 4 expected in an average month.
- Tularemia: 1 positive lab-confirmed case reported; less than 1 expected in an average month.

The expected number of cases and range is statistically based on the number of reported cases during August, September, and October, 2006-2010.

Explanatory Notes:

General:

Each monthly communicable disease report includes the number of cases of notifiable communicable diseases reported by lab or health provider during each individual month. Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date as symptom onset date is frequently not recorded. Some discrepancy of numbers may be based on reporting delays.

The observed numbers of cases are compared to the statistically expected range for each reportable communicable disease. This involves comparing the current month's case counts to the average case counts for the same month, one month subsequent and one month prior for the previous five years. These same months over the five years are used to determine the expected range of cases using the statistical calculation of standard deviation. Using this specific monthly pattern allows for adjustment within the statistics for both seasonality and cyclical disease patterns.

The year-to-date case counts are based on the calendar year.

The disease data reported in the monthly report has not been analyzed for severity or associated deaths at this time.

Disease specific information:

Methicillin-resistant *Staphylococcus aureus* (MRSA) positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals who have no symptoms and are mostly diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would usually result in a rise in colonized MRSA cases.

A new case of Hepatitis C Virus (HCV) infection is defined as a first positive test for an identifiable individual.

A new case of Human Immunodeficiency Virus (HIV) infection is defined as a positive test with a unique code that has not been previously linked to a positive test result in Manitoba. Positive HIV tests included in this month's statistics include both nominal and non-nominal testing results.

The number of Tuberculosis cases year-to-date may not equal the sum of cases reported for each month of this year. As new test results are received, there may be a change in diagnosis. Occasionally, diagnosis dates are updated, which also contributes to total numbers varying from month to month.

SUMMARY OF COMMUNICABLE DISEASE FOR September 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
006.9	AMEBIASIS		4	2	0-5	27	21
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1	1	
005.8	B. CEREUS			0	0-2		
320.1	BAC. MENINGITIS - PNEUM			0	0-1		2
320.7	BAC.MENINGITIS-LISTERIA				***		1
038.0	BETA STREP SEPTICEMIA	20	15		***	112	116
116.0	BLASTOMYCOSIS		2		***	5	7
005.1	BOTULISM				***		
023	BRUCELLOSIS		1	0	0-1		3
005.2	C. PERFRINGENS		1	0	0-1	1	3
008.43	CAMPYLOBACTER	29	41	27	20-34	190	238
558.2	CLOSTRIDIUM DIFFICILE	55	84		***	636	686
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	9	3	10	0-26	17	16
061.0	DENGUE FEVER			0	0-0		3
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS	1		0	0-1	7	
032	DIPHtheria CASES			0	0-0	1	
123.4	DIPHYLLOBOTHRIUM SPP	1		1	0-4	7	6
008.0	E. COLI-VEROTOXIGENIC	2	8	13	0-47	81	46
054.3	ENCEPHALITIS			0	0-0		1
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	3	14	12	2-22	97	76
320.0	H.INFLUENZAE (CSF)			0	0-0	1	1
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1		2
041.59	HAEM. INFLUENZAE (non-B)				***	1	
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0	1	
070.1	HEPATITIS A	2		1	0-3	6	7
070.3	HEPATITIS B			0	0-2	1	3
070.51	HEPATITIS C	28	32	28	16-40	242	238
487.1A	INFLUENZA A				***		113
487.1B	INFLUENZA B				***		11
482.83	LEGIONELLA	1		0	0-1	5	3
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES			1	0-3	3	3
088.81	LYME DISEASE			0	0-2	3	4
084	MALARIA	3	3	1	0-3	10	17
055.9	MEASLES			0	0-0	1	
036.0	MENINGOCOCCAL CSF			0	0-0		1
036.82	MENINGOCOCCAL ARTHROPATHY				***	2	
036.2	MENINGOCOCCEMIA BLOOD			0	0-1	4	
B95.6	MRSA	329	323	270	152-388	2511	2466
072.9	MUMPS			0	0-1	2	9
036.89	N.MENINGITIDIS OTHER			0	0-1		1
728.86	NECROTIZING FASCIITIS	1	1	1	0-4	10	5
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	6	7	2	0-6	46	26
038.2	PNEUM. SEPTICEMIA	9	8	10	1-19	106	92
073.9	PSITTACOSIS			0	0-0		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

**** Excludes Wave 1 and 2 cases reported during the 2009/2010 Influenza A H1N1 pandemic. There were no cases of pandemic H1N1 in September 2011.

SUMMARY OF COMMUNICABLE DISEASE FOR September 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
083.0	Q FEVER			0	0-0		1
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII				***	1	1
056.9	RUBELLA			0	0-1	2	1
771.0	RUBELLA CONGENITAL			0	0-0		1
041.2	S.PNEUM.OTHER	2	3	1	0-3	11	11
003.0	SALMONELLA	14	11	19	5-33	180	137
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS		1	0	0-1		1
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	5		3	0-9	33	22
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***		
481.9	STREP PNEUMONIA - PR			0	0-1		
041.1	STREP PYOGENES - OTHER	6	11		***	69	79
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-0		
127.2	STRONGYLOIDES	2	5	1	0-3	13	31
037	TETANUS			0	0-1	1	
130.9	TOXOPLASMOSIS			0	0-1	2	1
124	TRICHINOSIS			0	0-1	2	
086	TRYPANOSOMA CRUZI		1	0	0-1	3	7
013-018	TUBERCULOSIS - NON-RESP.	2	2	2	0-4	27	21
010	TUBERCULOSIS - PRIM.	2	1	1	0-3	8	7
011-012	TUBERCULOSIS - RESP	11	8	9	1-17	74	65
021.9	TULAREMIA		1	0	0-0	1	1
002.0	TYPHOID	1		0	0-1	4	4
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	19	111		***	227	855
005.4	VIBRIO PARAHAEMOLYTICUS				***	2	
070.59	VIRAL HEP. OTHER				***	2	
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.41	WNV NEUROLOGICAL				***		
008.44	YERSINIA ENTEROCOLITICA		2	1	0-4	5	10
		563	704			4804	5483

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR SEPTEMBER 2011

		<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing Age/Gender	Total	
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M			
006.9	AMEBIASIS				1													2		1										4
038.0	BETA STREP SEPTICEMIA					1								1		1	1			1	3	2	3		1		1			15
116.0	BLASTOMYCOSIS											1								1										2
023	BRUCELLOSIS																	1												1
005.2	C. PERFRINGENS																										1			1
008.43	CAMPYLOBACTER			1	5			1	1		1	1		1	2	4	4	3	3	3	2	2		1		3	3			41
558.2	CLOSTRIDIUM DIFFICILE			1				1	1	5				4		2	2	1	3	9	1	8	4	13	9	16	4			84
007.8	CRYPTOSPORIDIOSIS			1	1			1																						3
008.0	E. COLI 0157	1			1							1	1	1			1									2				8
007.1	GIARDIA LAMBLIA			1	3			1		1				1	1		3	1	1		1									14
070.51	HEPATITIS C												2	1	1	2	7	4	5	3	4		1	1				1		32
084	MALARIA									1						1			1											3
B95.6	MRSA	6	8	20	23	21	7	16	10	12	7	5	9	11	13	12	22	18	23	11	15	8	8	5	6	17	10			323
728.86	NECROTIZING FASCIITIS																			1										1
033.0	PERTUSSIS	2	2		1		1	1																						7
038.2	PNEUM. SEPTICEMIA					1					2									1	2			1	1					8
003.0	SALMONELLA			1		2	2		1					1		1			1			1		1						11
120	SCHISTOSOMIASIS												1																	1
041.1	STREP PYOGENES - OTHER ST	1		1			1												3	2			2	1						11
041.2	STREP.PNEUM.OTHER																			2		1								3
127.2	STRONGYLOIDIASIS															1	2		1				1							5
086	TRYPANOSOMIASIS																					1								1
013-018	TUBERCULOSIS - NON-RESP.											1					1													2
010	TUBERCULOSIS - PRIM.					1																								1
011-012	TUBERCULOSIS - RESP									1		1		1		2		1	2											8
021.9	TULAREMIA																			1										1
B96.8	VANCOMYCIN RES. ENTER.			1									1	1	1	3		3	8	7	12	11	11	11	8	19	14			111
008.44	YERSINIA ENTEROCOLITICA				2																									2
		10	10	27	37	26	11	21	13	19	11	9	15	23	18	29	43	32	53	38	45	32	32	34	25	57	33	1		704

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR SEPTEMBER 2011

ICD9	Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP**	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	2	2																				4
038.0	BETA STREP SEPTICEMIA	10		1			1						1					2					15
116.0	BLASTOMYCOSIS	2																					2
023	BRUCELLOSIS	1																					1
005.2	C. PERFRINGENS	1																					1
008.43	CAMPYLOBACTER	20	3		1		1		3		3		3	1	2			4					41
558.2	CLOSTRIDIUM DIFFICILE	44	7		2		7		6		7		4		4			3					84
007.8	CRYPTOSPORIDIOSIS	3																					3
008.0	E. COLI 0157	3					3		1						1								8
007.1	GIARDIA LAMBLIA	8			1		2				3												14
070.51	HEPATITIS C	23	1				2		1						2			2	1				32
084	MALARIA	3																					3
B95.6	MRSA	99	4	3	1		4	4	10	1	4		6	2	9	3	17	147	9				323
728.86	NECROTIZING FASCIITIS										1												1
033.0	PERTUSSIS	1					5										1						7
038.2	PNEUM. SEPTICEMIA	3	1						1									3					8
003.0	SALMONELLA	6			1		1				3												11
120	SCHISTOSOMIASIS	1																					1
041.1	STREP PYOGENES - OTHER ST	4	1						1		1							2	2				11
041.2	STREP.PNEUM.OTHER	3																					3
127.2	STRONGYLOIDIASIS	5																					5
086	TRYPANOSOMIASIS	1																					1
013-018	TUBERCULOSIS - NON-RESP.	2																					2
010	TUBERCULOSIS - PRIM.																	1					1
011-012	TUBERCULOSIS - RESP	2	1	1														3	1				8
021.9	TULAREMIA																			1			1
B96.8	VANCOMYCIN RES. ENTER.	73	1	1	5		7	1	9		5						4	4	1				111
008.44	YERSINIA ENTEROCOLITICA	2																					2
		322	21	6	11		33	5	32	1	27		14	3	18	3	22	171	14	1			704

* F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

** OOP=Out of Province

STBBI Infection Summary Report - September 2011

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2010	2011	2010	2011
All Chlamydia Infections	589	628	4912	5115
All Gonorrhea Infections (including PRNG)	74	122	740	762
All Syphilis Infections*	4	3	52	44
Gonorrhea & Chlamydia Co-infections	37	47	335	335
HIV	9	7	92	63

Total Number of STBBI Cases by Age and Gender - September 2011

	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing age/gender		
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		TOTAL	
Chlamydia Only Cases		1					9	3	141	40	118	75	71	34	43	21	13	5	2	2	3								581
Gonorrhea Only Cases									8	5	15	10	9	11	3	6	5	1		1		1							75
Syphilis Only Cases															2			1											3
GC and CT Cases							1		15	6	15	2	1	2	2	1													47
TOTAL		1					10	3	164	51	148	87	81	47	48	31	19	7	2	3	3	1							706
HIV									1		1		1		1	3													7

Regional STBBI Distribution - September 2011

Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP***	Missing	TOTAL
Case Referred to:**			F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
All Chlamydia Infections	312	18	16	19		15	11	22		40		16	4	14	9	33	55	37	2	5		628
All Gonorrhea Infections	70		5					2		6		1			8	3	17	8		2		122
All Syphilis Infections	1					1							1									3
GC and CT Infections	18		3							4					4	2	7	7		2		47

* Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

** F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

*** OOP=Out of Province

Manitoba Monthly Surveillance Unit Report

Reported up to October 31, 2011

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 57.9% of all non-STBBI related communicable diseases reported to Manitoba Health during October 2011.

The data reveal that there are increased numbers of Vancomycin-resistant *Enterococcus* (VRE) in 2011 compared to 2010. The increased number of VRE cases in 2011 is attributable to hospital-related VRE outbreaks reported this year.

2. Sexually Transmitted & Blood-Borne Infections (STBBI)

There were 657 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in October 2011:

- 540 reported cases of chlamydia (CT) only
- 59 reported cases of gonorrhoea (GC) only
- 53 reported co-infections of CT and GC and
- 5 reported cases of syphilis

Chlamydia has the highest incidence of reported STBBI. Females between the ages of 15 and 24 years comprised 45.6% of all reported chlamydia cases in the province.

Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

In October 2011, there were no acute cases of Hepatitis B virus (HBV), 26 cases of Hepatitis C virus (HCV) and 10 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in October 2011 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Strongyloidiasis: 5 positive lab-confirmed cases reported; less than 4 expected in an average month.
- Toxoplasmosis: 2 positive lab-confirmed cases reported; less than 2 expected in an average month.
- Typhoid: 2 positive lab-confirmed cases reported; less than 2 expected in an average month.

The expected number of cases and range is statistically based on the number of reported cases during September, October, and November, 2006-2010.

Explanatory Notes:

General:

Each monthly communicable disease report includes the number of cases of notifiable communicable diseases reported by lab or health provider during each individual month. Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date as symptom onset date is frequently not recorded. Some discrepancy of numbers may be based on reporting delays.

The observed numbers of cases are compared to the statistically expected range for each reportable communicable disease. This involves comparing the current month's case counts to the average case counts for the same month, one month subsequent and one month prior for the previous five years. These same months over the five years are used to determine the expected range of cases using the statistical calculation of standard deviation. Using this specific monthly pattern allows for adjustment within the statistics for both seasonality and cyclical disease patterns.

The year-to-date case counts are based on the calendar year.

The disease data reported in the monthly report has not been analyzed for severity or associated deaths at this time.

Disease specific information:

Methicillin-resistant *Staphylococcus aureus* (MRSA) positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals who have no symptoms and are mostly diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would usually result in a rise in colonized MRSA cases.

A new case of Hepatitis C Virus (HCV) infection is defined as a first positive test for an identifiable individual.

A new case of Human Immunodeficiency Virus (HIV) infection is defined as a positive test with a unique code that has not been previously linked to a positive test result in Manitoba. Positive HIV tests included in this month's statistics include both nominal and non-nominal testing results.

The number of Tuberculosis cases year-to-date may not equal the sum of cases reported for each month of this year. As new test results are received, there may be a change in diagnosis. Occasionally, diagnosis dates are updated, which also contributes to total numbers varying from month to month.

SUMMARY OF COMMUNICABLE DISEASE FOR October 2011

ICD9	Disease Name	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
006.9	AMEBIASIS	2	3	2	0-6	29	24
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1	1	
005.8	B. CEREUS			0	0-0		
320.1	BAC. MENINGITIS - PNEUM			0	0-1		2
320.7	BAC.MENINGITIS-LISTERIA				***		1
038.0	BETA STREP SEPTICEMIA	13	25		***	125	141
116.0	BLASTOMYCOSIS	1	1		***	6	8
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1		3
005.2	C. PERFRINGENS		1	0	0-1	1	4
008.43	CAMPYLOBACTER	23	19	23	7-39	213	257
558.2	CLOSTRIDIUM DIFFICILE	51	63		***	687	749
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2		7	0-18	19	16
061.0	DENGUE FEVER			0	0-0		3
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS	1		0	0-1	8	
032	DIPHTHERIA CASES		1	0	0-1	1	1
123.4	DIPHYLOBOTRIUM SPP		2	1	0-3	7	8
008.0	E. COLI-VEROTOXIGENIC	2	5	6	0-20	83	51
054.3	ENCEPHALITIS			0	0-0		1
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	10	3	9	2-16	107	79
320.0	H.INFLUENZAE (CSF)			0	0-0	1	1
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1		2
041.59	HAEM. INFLUENZAE (non-B)				***	1	
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0	1	
070.1	HEPATITIS A	1		1	0-3	7	7
070.3	HEPATITIS B			0	0-1	1	3
070.51	HEPATITIS C	22	26	29	15-43	264	263
487.1A	INFLUENZA A	1			***	1	113
487.1B	INFLUENZA B				***		11
482.83	LEGIONELLA		1	0	0-1	5	4
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		
027.0	LISTERIA MONOCYTOGENES	1		0	0-1	4	3
088.81	LYME DISEASE			0	0-1	3	4
084	MALARIA	1	4	2	0-4	11	21
055.9	MEASLES			0	0-0	1	
036.0	MENINGOCOCCAL CSF			0	0-0		1
036.82	MENINGOCOCCAL ARTHROPATHY				***	2	
036.2	MENINGOCOCCAL BLOOD	2		0	0-1	6	
B95.6	MRSA	307	322	252	132-372	2818	2787
072.9	MUMPS			0	0-1	2	9
036.89	N.MENINGITIDIS OTHER			0	0-1		1
728.86	NECROTIZING FASCIITIS	1		1	0-3	11	5
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	4	4	2	0-6	50	30
038.2	PNEUM. SEPTICEMIA	18	6	12	3-21	124	98
073.9	PSITTACOSIS			0	0-0		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

**** Excludes Wave 1 and 2 cases reported during the 2009/2010 Influenza A H1N1 pandemic. There were no cases of pandemic H1N1 in October 2011.

SUMMARY OF COMMUNICABLE DISEASE FOR October 2011

ICD9	Disease Name	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
083.0	Q FEVER			0	0-0		1
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII				***	1	1
083.9	RICKETTSIAL DISEASE, OTHER			0	0-0		
056.9	RUBELLA			0	0-0	2	1
771.0	RUBELLA CONGENITAL			0	0-0		1
041.2	S.PNEUM.OTHER		1	1	0-3	11	12
003.0	SALMONELLA	22	8	16	2-30	202	145
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS		1	0	0-1		2
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	10		3	0-9	43	22
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***		
481.9	STREP PNEUMONIA - PR			0	0-1		
041.1	STREP PYOGENES - OTHER STERILE	8	12		***	77	91
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-0		
127.2	STRONGYLOIDES	2	5	1	0-3	15	36
037	TETANUS			0	0-0	1	
130.9	TOXOPLASMOSIS	2	2	0	0-1	4	3
124	TRICHINOSIS			0	0-0	2	
086	TRYPANOSOMA CRUZI			0	0-1	3	7
013-018	TUBERCULOSIS - NON-RESP.		4	2	0-4	27	25
010	TUBERCULOSIS - PRIM.		1	1	0-2	8	8
011-012	TUBERCULOSIS - RESP	5	4	8	0-16	79	69
021.9	TULAREMIA			0	0-0	1	1
002.0	TYPHOID	1	2	0	0-1	5	6
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	36	138		***	263	990
005.4	VIBRIO PARAHAEMOLYTICUS				***	2	
070.59	VIRAL HEP. OTHER	2			***	4	
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.41	WNV NEUROLOGICAL SYNDROMES				***		
008.44	YERSINIA ENTEROCOLITICA	1	1	1	0-4	6	11
		552	665			5356	6143

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR OCTOBER 2011

ICD9	Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing Age/Gender	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS				1				1				1																3
038.0	BETA STREP SEPTICEMIA			1	1	1								1			2	2	1		1	3	3	3	4	1	1		25
116.0	BLASTOMYCOSIS																	1											1
005.2	C. PERFRINGENS																							1					1
008.43	CAMPYLOBACTER	1		1	1									1	2	1	1	3		2	3	1			2				19
558.2	CLOSTRIDIUM DIFFICILE				1			1		1	1		1	1		4	1	1	3	5	3	7	1	6	13	7	6		63
032	DIPH. CASES			1																									1
123.4	DIPHYLLOBOTHRIUM																	1				1							2
008.0	E. COLI 0157			2														1		1							1		5
007.1	GIARDIA LAMBLIA						1				1											1							3
070.51	HEPATITIS C											1			2		9	2	5		3		2			1		1	26
482.83	LEGIONELLA																	1											1
084	MALARIA			1			1		1								1												4
B95.6	MRSA	4	11	22	16	8	13	6	6	7	7	13	9	14	10	26	19	19	19	18	16	9	14	7	8	11	10		322
033.0	PERTUSSIS		2	2																									4
038.2	PNEUM. SEPTICEMIA			1	1													1				1		1	1				6
003.0	SALMONELLA				3					1				1								1	1	1					8
120	SCHISTOSOMIASIS					1																							1
041.1	STREP PYOGENES - OTHER		1	2	1					1								1	1		2	1	1	1					12
041.2	STREP.PNEUM.OTHER			1																									1
127.2	STRONGYLOIDIASIS					1										1	2					1							5
013-018	TUBERCULOSIS - NON-RESP															2				1				1					4
010	TUBERCULOSIS - PRIM.													1															1
011-012	TUBERCULOSIS - RESP									1						2						1							4
130.9	TOXOPLASMOSIS										1							1											2
002.0	TYPHOID				1									1															2
B96.8	VANCOMYCIN RES. ENTER.												1		1	2	2	6	3	6	7	7	21	14	18	31	19		138
008.44	YERSINIA ENTEROCOLITICA												1																1
		5	14	34	26	11	15	7	8	10	10	15	13	19	16	36	39	35	36	33	34	32	45	33	50	51	37	1	665

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR OCTOBER 2011

ICD9	Disease/Infection	Winnipeg	Brandon	N. Eastman	S. Eastman	Interlake	Central	Assiniboine	Parkland	Norman	Burntwood	Churchill	OOP**	Missing	TOTAL								
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P						
006.9	AMEBIASIS	2							1											3			
038.0	BETA STREP SEPTICEMIA	16						1		1					2				4	1	25		
116.0	BLASTOMYCOSIS	1																			1		
005.2	C. PERFRINGENS							1													1		
008.43	CAMPYLOBACTER	10		1	2		3		1				2								19		
558.2	CLOSTRIDIUM DIFFICILE	34			2		6		2		9		4		2		1	1	2		63		
032	DIPH. CASES	1																			1		
123.4	DIPHYLLOBOTHRIUM	2																			2		
008.0	E. COLI 0157	4					1														5		
007.1	GIARDIA LAMBLIA	2								1											3		
070.51	HEPATITIS C	16	3				1		1	1					1				2	1	26		
482.83	LEGIONELLA																		1		1		
084	MALARIA	3	1																		4		
B95.6	MRSA	106	2	2	4		6	3	12	1	8		6	2	5	8	8	131	14	1	322		
033.0	PERTUSSIS						2				1				1						4		
038.2	PNEUM. SEPTICEMIA	3	1															2			6		
003.0	SALMONELLA	2	2				1	1			1		1								8		
120	SCHISTOSOMIASIS	1																			1		
041.1	STREP PYOGENES - OTHER S	7	1						1						1			2			12		
041.2	STREP.PNEUM.OTHER	1																			1		
127.2	STRONGYLOIDIASIS	5																			5		
013-018	TUBERCULOSIS - NON-RESP.	3																1			4		
010	TUBERCULOSIS - PRIM.																	1			1		
011-012	TUBERCULOSIS - RESP	1		1														2			4		
130.9	TOXOPLASMOSIS	1					1														2		
002.0	TYPHOID	2																			2		
B96.8	VANCOMYCIN RES. ENTER.	105		1	5		4		8		5		4					1	5		138		
008.44	YERSINIA ENTEROCOLITICA		1																		1		
		328	11	5	13		25	6	25	1	28		17	2	12	8	9	141	28	1	3	2	665

* F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

** OOP=Out of Province

STBBI Infection Summary Report - October 2011

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2010	2011	2010	2011
All Chlamydia Infections	514	593	5426	5708
All Gonorrhea Infections (including PRNG)	89	112	829	874
All Syphilis Infections*	6	5	58	49
Gonorrhea & Chlamydia Co-infections	37	53	372	388
HIV	10	10	102	73

Total Number of STBBI Cases by Age and Gender - October 2011

	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing age/gender	TOTAL
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
Chlamydia Only Cases							9		124	46	122	63	53	35	40	27	10	8	1	2								540
Gonorrhea Only Cases	1								9	5	11	5	10	4	7	5	1				1							59
Syphilis Only Cases															1	2			1				1					5
GC and CT Cases							1	11	8	8	10	3	9	2			1										53	
TOTAL	1						9	1	144	59	141	78	66	48	50	34	11	9	2	2			1	1				657
HIV													1		1	1	3	2				2						10

Regional STBBI Distribution - October 2011

Disease/Infection	Winnipeg		Brandon		N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP***	Missing	TOTAL
	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
Case Referred to:**																								
All Chlamydia Infections	292		27		13	12	1	12	11	23	1	35		20	1	15	4	28	77	15	1	3	2	593
All Gonorrhea Infections	51		2		3	1		1	1	3		3		1		3	1	6	29	7				112
All Syphilis Infections	2					1				1												1		5
GC and CT Infections	21		1		1	1			1	2		2		1				3	16	4				53

* Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

** F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

*** OOP=Out of Province

Manitoba Monthly Surveillance Unit Report

Reported up to November 30, 2011

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 60% of all non-STBBI related communicable diseases reported to Manitoba Health during November 2011.

The data reveal that there are increased numbers of Vancomycin-resistant *Enterococcus* (VRE) in 2011 compared to 2010. The increased number of VRE cases in 2011 is attributable to hospital-related VRE outbreaks reported this year.

2. Sexually Transmitted & Blood-Borne Infections (STBBI)

There were 705 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in November 2011:

- 602 reported cases of chlamydia (CT) only
- 62 reported cases of gonorrhoea (GC) only
- 39 reported co-infections of CT and GC and
- 2 reported cases of syphilis

Chlamydia has the highest incidence of reported STBBI. Females between the ages of 15 and 24 years comprised 47% of all reported chlamydia cases in the province.

Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

In November 2011, there were no acute cases of Hepatitis B virus (HBV), 29 cases of Hepatitis C virus (HCV) and 10 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in November 2011 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Bacterial Meningitis - Pneumococcal: 2 positive lab-confirmed cases reported; less than 2 expected in an average month.
- Giardiasis: 15 positive lab-confirmed cases reported; less than 15 expected in an average month.
- Schistosomiasis: 2 positive lab-confirmed cases reported; less than 2 expected in an average month.

The expected number of cases and range is statistically based on the number of reported cases during October, November, and December, 2006-2010.

Explanatory Notes:

General:

Each monthly communicable disease report includes the number of cases of notifiable communicable diseases reported by lab or health provider during each individual month. Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date as symptom onset date is frequently not recorded. Some discrepancy of numbers may be based on reporting delays.

The observed numbers of cases are compared to the statistically expected range for each reportable communicable disease. This involves comparing the current month's case counts to the average case counts for the same month, one month subsequent and one month prior for the previous five years. These same months over the five years are used to determine the expected range of cases using the statistical calculation of standard deviation. Using this specific monthly pattern allows for adjustment within the statistics for both seasonality and cyclical disease patterns.

The year-to-date case counts are based on the calendar year.

The disease data reported in the monthly report has not been analyzed for severity or associated deaths at this time.

Disease specific information:

Methicillin-resistant *Staphylococcus aureus* (MRSA) positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals who have no symptoms and are mostly diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would usually result in a rise in colonized MRSA cases.

A new case of Hepatitis C Virus (HCV) infection is defined as a first positive test for an identifiable individual.

A new case of Human Immunodeficiency Virus (HIV) infection is defined as a positive test with a unique code that has not been previously linked to a positive test result in Manitoba. Positive HIV tests included in this month's statistics include both nominal and non-nominal testing results.

The number of Tuberculosis cases year-to-date may not equal the sum of cases reported for each month of this year. As new test results are received, there may be a change in diagnosis. Occasionally, diagnosis dates are updated, which also contributes to total numbers varying from month to month.

SUMMARY OF COMMUNICABLE DISEASE FOR November 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
006.9	AMEBIASIS	1	2	3	0-6	30	26
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1	1	
005.8	B. CEREUS			0	0-0		
320.1	BAC. MENINGITIS - PNEUM		2	0	0-1		4
320.7	BAC.MENINGITIS-LISTERIA				***		1
038.0	BETA STREP SEPTICEMIA	7	15		***	132	156
116.0	BLASTOMYCOSIS				***	6	8
005.1	BOTULISM				***		
023	BRUCELLOSIS	1		0	0-1	1	2
005.2	C. PERFRINGENS			0	0-1	1	4
008.43	CAMPYLOBACTER	22	18	17	1-33	235	275
558.2	CLOSTRIDIUM DIFFICILE	66	88		***	753	839
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	3	2	3	0-9	22	18
061.0	DENGUE FEVER			0	0-0		3
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS	1		0	0-1	9	
032	DIPHThERIA CASES			0	0-1	1	1
123.4	DIPHYLLOBOTHRIUM SPP	1	1	1	0-3	8	9
008.0	E. COLI-VEROTOXIGENIC	2	2	5	0-19	85	53
054.3	ENCEPHALITIS			0	0-0		1
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	9	15	9	4-14	116	94
320.0	H.INFLUENZAE (CSF)			0	0-1	1	1
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1		2
041.59	HAEM. INFLUENZAE (non-B)				***	1	
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0	1	
070.1	HEPATITIS A			1	0-2	7	7
070.3	HEPATITIS B			0	0-1	1	3
070.51	HEPATITIS C	34	29	27	11-43	298	294
487.1A	INFLUENZA A	49			***	50	113
487.1B	INFLUENZA B				***		11
482.83	LEGIONELLA			0	0-1	5	4
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		
027.0	LISTERIA MONOCYTOGENES		1	0	0-1	4	4
088.81	LYME DISEASE			0	0-1	3	4
084	MALARIA	3	1	1	0-3	14	22
055.9	MEASLES			0	0-0	1	
036.0	MENINGOCOCCAL CSF			0	0-1		1
036.82	MENINGOCOCCAL ARTHROPATHY	1			***	3	
036.2	MENINGOCOCCAL BLOOD			0	0-1	6	
B95.6	MRSA	325	292	232	112-352	3143	3080
072.9	MUMPS			0	0-1	2	9
036.89	N.MENINGITIDIS OTHER			0	0-1		1
728.86	NECROTIZING FASCIITIS			2	0-5	11	6
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS		1		***	1	
033.0	PERTUSSIS	4	1	2	0-5	54	31
038.2	PNEUM. SEPTICEMIA	17	1	13	2-24	141	99
073.9	PSITTACOSIS			0	0-0		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

**** Excludes Wave 1 and 2 cases reported during the 2009/2010 Influenza A H1N1 pandemic. There were no cases of pandemic H1N1 in November 2011.

SUMMARY OF COMMUNICABLE DISEASE FOR November 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
083.0	Q FEVER			0	0-1		1
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII				***	1	1
083.9	RICKETTSIAL DISEASE, OTHER			0	0-0		
056.9	RUBELLA			0	0-0	2	1
771.0	RUBELLA CONGENITAL			0	0-0		1
041.2	S.PNEUM.OTHER	3		1	0-3	14	12
003.0	SALMONELLA	13	11	15	2-28	215	156
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS		2	0	0-1		4
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	6	3	2	0-8	49	25
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***		
481.9	STREP PNEUMONIA - PR			0	0-1		
041.1	STREP PYOGENES - OTHER	8	5		***	85	96
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-0		
127.2	STRONGYLOIDES		5	1	0-5	15	41
037	TETANUS			0	0-0	1	
130.9	TOXOPLASMOSIS			0	0-1	4	3
124	TRICHINOSIS			0	0-0	2	
086	TRYPANOSOMA CRUZI			0	0-0	3	7
013-018	TUBERCULOSIS - NON-RESP.	4	1	2	0-4	31	26
010	TUBERCULOSIS - PRIM.			1	0-3	8	7
011-012	TUBERCULOSIS - RESP	8	7	7	1-13	87	76
021.9	TULAREMIA			0	0-0	1	1
002.0	TYPHOID			0	0-1	5	6
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	41	124		***	304	1114
005.4	VIBRIO PARAHAEMOLYTICUS				***	2	
070.59	VIRAL HEP. OTHER	1			***	5	
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.41	WNV NEUROLOGICAL				***		
008.44	YERSINIA ENTEROCOLITICA			1	0-2	6	11
		630	629			5987	6775

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR NOVEMBER 2011

ICD9	Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing Age/Gender	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS					1		1																					2
320.1	BAC. MENINGITIS - PNEUM																1		1										2
038.0	BETA STREP SEPTICEMIA	2	1	1		1	1		1							1					2	2		1	1	1			15
008.43	CAMPYLOBACTER	1			1		1					2	1	3	2	2		1	1	2		1							18
558.2	CLOSTRIDIUM DIFFICILE		1							1	1		2	1	9	3	5	4	3	3	12	5	9	13	11	5			88
007.8	CRYPTOSPORIDIOSIS													1				1											2
123.4	DIPHYLLOBOTHRIUM											1																	1
008.0	E. COLI 0157									1								1											2
007.1	GIARDIA LAMBLIA			1	1	2	3			1		1				1	2		1		1	1							15
070.51	HEPATITIS C									1		1		1		4	2	4	4	2	5		1		1		3		29
027.0	LISTERIA MONOCYTOGENES																						1						1
084	MALARIA																	1											1
B95.6	MRSA	11	6	16	8	12	13	9	7	15	11	10	6	7	11	11	21	18	16	13	19	6	4	7	10	11	14		292
033.1	PARAPERTUSSIS	1																											1
033.0	PERTUSSIS		1																										1
038.2	PNEUM. SEPTICEMIA													1															1
003.0	SALMONELLA			1		1		1		1	1					1		1	1		1	1				1			11
120	SCHISTOSOMIASIS					1				1																			2
004	SHIGELLOSIS			1		1								1															3
041.1	STREP PYOGENES - OTHER ST			1														1	1		1					1			5
127.2	STRONGYLOIDIASIS			1				1	1							1	1												5
013-018	TUBERCULOSIS - NON-RESP.																				1								1
010	TUBERCULOSIS - PRIM.																												
011-012	TUBERCULOSIS - RESP									1				1		1		1	1		1		1						7
B96.8	VANCOMYCIN RES. ENTER.					1						1	3	1	1	1	3	4	11	8	7	11	15	12	31	14			124
		15	9	22	10	19	19	9	11	17	17	16	9	20	15	30	31	35	35	33	38	33	23	33	37	55	35	3	629

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR NOVEMBER 2011

ICD9	Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP**	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	1																1					2
320.1	BAC. MENINGITIS - PNEUM			1														1					2
038.0	BETA STREP SEPTICEMIA	6		1			1	1				1				3	2						15
008.43	CAMPYLOBACTER	10	1		1		2			2		1					1						18
558.2	CLOSTRIDIUM DIFFICILE	49	6		4		4		10	3		3		4		3		2					88
007.8	CRYPTOSPORIDIOSIS	1								1													2
123.4	DIPHYLLOBOOTHRIUM	1																					1
008.0	E. COLI 0157	1														1							2
007.1	GIARDIA LAMBLIA	10								1		2				1	1						15
070.51	HEPATITIS C	25	1					2				1											29
027.0	LISTERIA MONOCYTOGENES											1											1
084	MALARIA	1																					1
B95.6	MRSA	101	2	8	1		6	4	4	2	4	1	4	3	8	6	11	114	13				292
033.1	PARAPERTUSSIS																	1					1
033.0	PERTUSSIS																			1			1
038.2	PNEUM. SEPTICEMIA	1																					1
003.0	SALMONELLA	5	4							1		1											11
120	SCHISTOSOMIASIS	2																					2
004	SHIGELLOSIS											2	1										3
041.1	STREP PYOGENES - OTHER ST	2														2		1					5
127.2	STRONGYLOIDIASIS	5																					5
013-018	TUBERCULOSIS - NON-RESP.	1																					1
010	TUBERCULOSIS - PRIM.																						
011-012	TUBERCULOSIS - RESP	2	1															4					7
B96.8	VANCOMYCIN RES. ENTER.	81			8		6		6		5		4		5			1	8				124
		305	15	10	14		19	5	22	2	17	3	19	3	17	6	21	124	26		1		629

* F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

** OOP=Out of Province

STBBI Infection Summary Report - November 2011

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2010	2011	2010	2011
All Chlamydia Infections	535	641	5961	6349
All Gonorrhea Infections (including PRNG)	95	101	924	974
All Syphilis Infections*	2	2	60	50
Gonorrhea & Chlamydia Co-infections	42	39	414	427
HIV	11	10	113	83

Total Number of STBBI Cases by Age and Gender - November 2011

Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing age/gender	TOTAL
	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
Chlamydia Only Cases							11		146	50	134	63	56	49	38	24	11	14	1	3	1			1				602
Gonorrhea Only Cases									7	8	15	9	3	5	10	2	1	1	1									62
Syphilis Only Cases													1	1														2
GC and CT Cases									12	4	11	5	3	1	2	1												39
TOTAL							11		165	62	160	77	62	56	51	27	12	15	2	3	1			1				705
HIV															1	3	2	1		2	1							10

Regional STBBI Distribution - November 2011

Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP***	Missing	TOTAL
Case Referred to:**			F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
All Chlamydia Infections	297	19	23	14	2	6	13	27		34		23	3	15	13	35	85	26	2	4		641
All Gonorrhea Infections	48	3	6				2	2		2		1	1	3	6	1	20	5		1		101
All Syphilis Infections	2																					2
GC and CT Infections	11	2	3				1	2				1			2		14	3				39

* Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

** F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

*** OOP=Out of Province

Manitoba Monthly Surveillance Unit Report

Reported up to December 31, 2011

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 55% of all non-STBBI related communicable diseases reported to Manitoba Health during December 2011.

The data reveal that there are increased numbers of Vancomycin-resistant *Enterococcus* (VRE) in 2011 compared to 2010. The increased number of VRE cases in 2011 is attributable to hospital-related VRE outbreaks reported this year.

2. Sexually Transmitted & Blood-Borne Infections (STBBI)

There were 546 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in December 2011:

- 438 reported cases of chlamydia (CT) only
- 58 reported cases of gonorrhoea (GC) only
- 42 reported co-infections of CT and GC and
- 8 reported cases of syphilis

Chlamydia has the highest incidence of reported STBBI. Females between the ages of 15 and 24 years comprised 48% of all reported chlamydia cases in the province.

Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

In December 2011, there were no acute cases of Hepatitis B virus (HBV), 23 cases of Hepatitis C virus (HCV) and 5 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in December 2011 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Malaria: 4 positive lab-confirmed cases reported; less than 4 expected in an average month.
- Toxoplasmosis: 2 positive lab-confirmed cases reported; less than 2 expected in an average month.

The expected number of cases and range is statistically based on the number of reported cases during November 2006-2010, December 2006-2010, and January 2007-2011.

Explanatory Notes:

General:

Each monthly communicable disease report includes the number of cases of notifiable communicable diseases reported by lab or health provider during each individual month. Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date as symptom onset date is frequently not recorded. Some discrepancy of numbers may be based on reporting delays.

The observed numbers of cases are compared to the statistically expected range for each reportable communicable disease. This involves comparing the current month's case counts to the average case counts for the same month, one month subsequent and one month prior for the previous five years. These same months over the five years are used to determine the expected range of cases using the statistical calculation of standard deviation. Using this specific monthly pattern allows for adjustment within the statistics for both seasonality and cyclical disease patterns.

The year-to-date case counts are based on the calendar year.

The disease data reported in the monthly report has not been analyzed for severity or associated deaths at this time.

Disease specific information:

Methicillin-resistant *Staphylococcus aureus* (MRSA) positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals who have no symptoms and are mostly diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would usually result in a rise in colonized MRSA cases.

A new case of Hepatitis C Virus (HCV) infection is defined as a first positive test for an identifiable individual.

A new case of Human Immunodeficiency Virus (HIV) infection is defined as a positive test with a unique code that has not been previously linked to a positive test result in Manitoba. Positive HIV tests included in this month's statistics include both nominal and non-nominal testing results.

The number of Tuberculosis cases year-to-date may not equal the sum of cases reported for each month of this year. As new test results are received, there may be a change in diagnosis. Occasionally, diagnosis dates are updated, which also contributes to total numbers varying from month to month.

SUMMARY OF COMMUNICABLE DISEASE FOR December 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
006.9	AMEBIASIS	3	2	3	0-6	33	28
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1	1	
005.8	B. CEREUS			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			0	0-1		4
320.7	BAC.MENINGITIS-LISTERIA				***		1
038.0	BETA STREP SEPTICEMIA	7	15		***	139	170
116.0	BLASTOMYCOSIS		2		***	6	10
005.1	BOTULISM				***		
023	BRUCELLOSIS		1	0	0-1	1	3
005.2	C. PERFRINGENS			0	0-1	1	4
008.43	CAMPYLOBACTER	8	14	13	7-19	243	289
558.2	CLOSTRIDIUM DIFFICILE	69	63		***	822	902
046.1	CREUTZFELD-JACOB DISEASE		1		***		1
007.8	CRYPTOSPORIDIOSIS	1	1	2	0-6	23	19
061.0	DENGUE FEVER			0	0-1		3
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1	9	
032	DIPHtheria CASES			0	0-1	1	1
123.4	DIPHYLLOBOTHRIUM SPP	2		0	0-1	10	9
008.0	E. COLI-VEROTOXIGENIC	6	2	3	0-7	91	56
054.3	ENCEPHALITIS			0	0-1		1
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	9	10	8	3-13	125	104
320.0	H.INFLUENZAE (CSF)			0	0-1	1	1
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1		2
041.59	HAEM. INFLUENZAE (non-B)				***	1	
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0	1	
070.1	HEPATITIS A			1	0-3	7	7
070.3	HEPATITIS B	1		0	0-1	2	4
070.51	HEPATITIS C	16	23	27	13-41	314	317
487.1A	INFLUENZA A	311			***	361	113
487.1B	INFLUENZA B	1			***	1	11
482.83	LEGIONELLA	1		0	0-1	6	4
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		
027.0	LISTERIA MONOCYTOGENES			0	0-1	4	4
088.81	LYME DISEASE			0	0-1	3	4
084	MALARIA		4	1	0-3	14	26
055.9	MEASLES			0	0-0	1	
036.0	MENINGOCOCCAL CSF	1		0	0-1	1	1
036.82	MENINGOCOCCAL ARTHROPATHY				***	3	
036.2	MENINGOCOCCEMIA BLOOD			0	0-1	6	
B95.6	MRSA	281	245	187	98-276	3424	3326
072.9	MUMPS		1	0	0-1	2	10
036.89	N.MENINGITIDIS OTHER	1		0	0-1	1	1
728.86	NECROTIZING FASCIITIS	1		1	0-4	12	5
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***	1	
033.0	PERTUSSIS	5	1	1	0-3	59	32
038.2	PNEUM. SEPTICEMIA	23	9	9	1-17	164	109
073.9	PSITTACOSIS			0	0-0		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

**** Excludes Wave 1 and 2 cases reported during the 2009/2010 Influenza A H1N1 pandemic. There were no cases of pandemic H1N1 in December 2011.

SUMMARY OF COMMUNICABLE DISEASE FOR December 2011

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2010	2011	Expected*	Ex. Range**	2010	2011
083.0	Q FEVER			0	0-1		1
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII				***		
083.9	RICKETTSIAL DISEASE, OTHER			0	0-0	1	1
056.9	RUBELLA			0	0-1	2	1
771.0	RUBELLA CONGENITAL			0	0-0		1
041.2	S.PNEUM.OTHER		3	1	0-3	14	15
003.0	SALMONELLA	21	11	17	1-33	236	169
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS		1	0	0-1		5
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	3	3	1	0-4	52	28
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
041.1	STREP PYOGENES - OTHER	3	5		***	88	101
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		1
481	STREPTOCOCCUS PNEUMONIAE			0	0-0		
127.2	STRONGYLOIDES		3	1	0-5	15	44
037	TETANUS			0	0-0	1	
130.9	TOXOPLASMOSIS		2	0	0-1	4	5
124	TRICHINOSIS			0	0-0	2	
086	TRYPANOSOMA CRUZI			0	0-0	3	7
013-018	TUBERCULOSIS - NON-RESP.	1	2	2	0-4	32	27
010	TUBERCULOSIS - PRIM.			1	0-3	8	7
011-012	TUBERCULOSIS - RESP	5	8	6	0-12	92	84
021.9	TULAREMIA			0	0-1	1	1
002.0	TYPHOID	1	1	0	0-1	6	8
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	38	130		***	342	1244
005.4	VIBRIO PARAHAEVOLYTICUS	1			***	3	
070.59	VIRAL HEP. OTHER	1			***	6	
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.41	WNV NEUROLOGICAL				***		
008.44	YERSINIA ENTEROCOLITICA	1		0	0-1	7	11
		822	563			6809	7343

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years.

** Mean +/- 2 standard deviations of the mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR DECEMBER 2011

ICD9	Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing Age/Gender	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS				1									1															2
038.0	BETA STREP SEPTICEMIA					1								2		1		1		4	3		2				1		15
116.0	BLASTOMYCOSIS									1																	1		2
023	BRUCELLOSIS																										1		1
008.43	CAMPYLOBACTER	1			1		1			2				2		1	3			1	1		1						14
558.2	CLOSTRIDIUM DIFFICILE						1		1	2	1					4	1	10	3	2	4	5	1	4	9	12	3		63
046.1	CREUTZFELD JACOB DISEASE																						1						1
007.8	CRYPTOSPORIDIOSIS									1																			1
008.0	E. COLI 0157																			1		1							2
007.1	GIARDIA LAMBLIA				3	1	3		1							1							1						10
070.51	HEPATITIS C													3	1	2	6	3	3		2	1	2						23
084	MALARIA								1		1				1						1								4
B95.6	MRSA	7	5	15	18	8	11	3	1	5	5	5	7	8	9	10	15	8	19	10	12	10	12	9	8	9	16		245
072.9	MUMPS								1																				1
033.0	PERTUSSIS						1																						1
038.2	PNEUM. SEPTICEMIA					1										1		1		1	1	1	1			2			9
003.0	SALMONELLA		1	1	1					1				1	1		1	1	3										11
120	SCHISTOSOMIASIS											1																	1
004	SHIGELLOSIS				1												1						1						3
041.1	STREP PYOGENES - OTHER ST														1		1			1			1	1					5
041.2	STREP.PNEUM.OTHER																	1								1	1		3
127.2	STRONGYLOIDIASIS															1		2											3
130.9	TOXOPLASMOSIS													2															2
013-018	TUBERCULOSIS - NON-RESP.								1														1						2
011-012	TUBERCULOSIS - RESP													1	1	1			2	1	1			1					8
002.0	TYPHOID			1																									1
B96.8	VANCOMYCIN RES. ENTER.														2	3	1	6	5	3	7	16	14	20	11	27	15		130
		8	6	17	25	11	17	3	5	8	12	5	8	16	19	24	30	29	37	27	32	34	37	36	28	51	38		563

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR DECEMBER 2011

ICD9	Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP**	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	2																					2
038.0	BETA STREP SEPTICEMIA	11							1									1	2				15
116.0	BLASTOMYCOSIS	1																			1		2
023	BRUCELLOSIS	1																					1
008.43	CAMPYLOBACTER	9					2		1				1		1								14
558.2	CLOSTRIDIUM DIFFICILE	28	4		3		5		11		6		4		1		1						63
046.1	CREUTZFELD JACOB DISEASE		1																				1
007.8	CRYPTOSPORIDIOSIS										1												1
008.0	E. COLI 0157	2																					2
007.1	GIARDIA LAMBLIA	5					2				2		1										10
070.51	HEPATITIS C	15	1	1	1			1	1		2				1								23
084	MALARIA	3	1																				4
B95.6	MRSA	80	1		2		3	5	7	2	5	2	3	3	6	5	8	101	10			2	245
072.9	MUMPS	1																					1
033.0	PERTUSSIS										1												1
038.2	PNEUM. SEPTICEMIA	4					1						1		1		1	1					9
003.0	SALMONELLA	6	1						1		1		1						1				11
120	SCHISTOSOMIASIS	1																					1
004	SHIGELLOSIS	2														1							3
041.1	STREP PYOGENES - OTHER ST	3	1																1				5
041.2	STREP.PNEUM.OTHER	3																					3
127.2	STRONGYLOIDIASIS	3																					3
130.9	TOXOPLASMOSIS	1							1														2
013-018	TUBERCULOSIS - NON-RESP.	2																					2
011-012	TUBERCULOSIS - RESP	1		1												1		4	1				8
002.0	TYPHOID										1												1
B96.8	VANCOMYCIN RES. ENTER.	92			6		4		8		6		3		1		3		6			1	130
		276	10	2	12		17	6	31	2	25	2	14	3	11	7	13	107	21		1	3	563

* F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

** OOP=Out of Province

STBBI Infection Summary Report - December 2011

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2010	2011	2010	2011
All Chlamydia Infections	488	480	6449	6815
All Gonorrhea Infections (including PRNG)	74	100	998	1074
All Syphilis Infections*	5	8	65	58
Gonorrhea & Chlamydia Co-infections	37	42	451	469
HIV	9	5	122	83

Total Number of STBBI Cases by Age and Gender - December 2011

Disease Name	<1		1-4		5-9		10-14		15-19		20-24		25-29		30-39		40-49		50-59		60-69		70-79		80+		Missing age/gender	TOTAL
	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
Chlamydia Only Cases	1						5		106	31	104	51	27	42	31	27	6	2	2	1	1					1		438
Gonorrhea Only Cases								1	9	5	6	6	5	6	7	5	4	3	1									58
Syphilis Only Cases													1	1	3	1		1		1								8
GC and CT Cases									12	7	3	7	4	3	2	3		1										42
TOTAL	1						5	1	127	43	113	64	37	52	43	36	10	7	3	2	1					1		546
HIV													1			1		1	1							1		5

Regional STBBI Distribution - December 2011

Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP***	Missing	TOTAL
Case Referred to:**			F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
All Chlamydia Infections	225	21	6	10		11	7	15		22	1	7	4	14	10	32	66	22		7		480
All Gonorrhea Infections	56		2	1			1	1		5	1			1	2	1	21	6		2		100
All Syphilis Infections	3	1				1				2						1						8
GC and CT Infections	18		1	1			1	1		2	1			1	2		13	1				42

* Syphilis cases include both infectious and non-infectious cases, as well as those requiring further follow-up to determine their status.

** F=Federal Jurisdiction (First Nations and Inuit Health); P=Provincial Jurisdiction

*** OOP=Out of Province