

Manitoba Monthly Surveillance Unit Report

Reported up to January 31, 2012

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 54% of all non-STBBI related communicable diseases reported to Manitoba Health during January 2012.

The data reveal that there are increased numbers of Vancomycin-resistant *Enterococcus* (VRE) in Jan 2012 compared to Jan 2011. The increased number of VRE cases in Jan 2012 is attributable to ongoing hospital-related VRE outbreaks reported in late 2011.

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

There were 666 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in January 2012:

- 557 reported cases of chlamydia (CT) only
- 57 reported cases of gonorrhoea (GC) only
- 44 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 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 2012, there were no acute cases of Hepatitis B virus (HBV), 39 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 January 2012 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Hepatitis C: 39 positive lab-confirmed cases reported; less than 39 expected in an average month.
- Mumps: 5 positive lab-confirmed cases reported; less than 4 expected in an average month.
- Yersiniosis: 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 December 2006-2010, January 2007-2011, and February 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 January 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
006.9	AMEBIASIS		2	3	0-6		2
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	11	12		***	11	12
116.0	BLASTOMYCOSIS	2	2		***	2	2
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1		
005.2	C. PERFRINGENS			0	0-1		
008.43	CAMPYLOBACTER	16	12	14	7-21	16	12
558.2	CLOSTRIDIUM DIFFICILE	77	78		***	77	78
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1		2	0-5	1	
061.0	DENGUE FEVER	1		0	0-1	1	
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-2		
032	DIPHThERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP			0	0-1		
008.0	E. COLI-VEROTOXIGENIC	2	4	3	0-7	2	4
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	7	4	8	3-13	7	4
038.42	H.INFLUENZAE (BLOOD)		3		***		3
320.0	H.INFLUENZAE (CSF)	1	1	0	0-1	1	1
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1		
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	1		0	0-1	1	
070.51	HEPATITIS C	26	39	25	12-38	26	39
487.1A	INFLUENZA A	85	6		***	85	6
487.1B	INFLUENZA B		2		***		2
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				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		
B95.6	MRSA	253	257	200	104-296	253	257
072.9	MUMPS		5	1	0-3		5
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	0-5	1	
038.2	PNEUM. SEPTICEMIA	16	15	11	1-21	16	15
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 H1N1 cases reported during the 2009/2010 Influenza A H1N1 pandemic.

SUMMARY OF COMMUNICABLE DISEASE FOR January 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
083.0	Q FEVER			0	0-1		
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII				***		
083.9	RICKETTSIAL DISEASE, OTHER			0	0-0		
056.9C	RUBELLA (confirmed)			0	0-1		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER	1	2	1	0-2	1	2
003.0	SALMONELLA	21	12	20	7-33	21	12
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS			0	0-1		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	6	1	2	0-6	6	1
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	6	7		***	6	7
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK	1		0	0-1	1	
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES	2		2	0-6	2	
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-1		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013-018	TUBERCULOSIS - NON-RESP.	1	2	2	0-4	1	2
010	TUBERCULOSIS - PRIM.			1	0-3		
011-012	TUBERCULOSIS - RESP	9	8	6	0-12	9	8
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID		1	0	0-1		1
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	39	145		***	39	145
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	3	4	1	0-3	3	4
		592	625			592	625

* 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 2012

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		2				1		1				1		2	1	2					12
116.0	BLASTOMYCOSIS																		1		1								2
008.43	CAMPYLOBACTER				1		1			1	3	1	1		1					1	1		1						12
558.2	CLOSTRIDIUM DIFFICILE									1				4		5		4	2	6	4	2	4	9	11	12	14		78
008.0	E. COLI 0157				1							1						1	1										4
007.1	GIARDIA LAMBLIA				1	1										2													4
320.0	H. INFLUENZAE (CSF)			1																									1
038.42	H.INFLUENZAE (BLOOD)	2								1																			3
070.51	HEPATITIS C			1										3	3	7	2	2	6	1	10	1	2		1				39
487.1A	INFLUENZA A	2																						1	2	1			6
487.1B	INFLUENZA B																					1	1						2
084	MALARIA			1																									1
B95.6	MRSA	7	5	13	16	5	8	5	1	9	9	10	11	5	6	14	11	17	17	11	14	8	10	8	12	12	13		257
072.9	MUMPS							2	1							1				1									5
038.2	PNEUM. SEPTICEMIA				2			1								1		2	1	1	2	2	1		1	1			15
003.0	SALMONELLA											1			1	1	1	1	1	2	1	1	1				1		12
004	SHIGELLOSIS													1															1
041.1	STREP PYOGENES - OTHER ST			2				1										1	1	1				1					7
041.2	STREP.PNEUM.OTHER			1												1													2
013-018	TUBERCULOSIS - NON-RESP.				1											1													2
011-012	TUBERCULOSIS - RESP											2	1			1	1		1		1		1						8
002.0	TYPHOID																1												1
B96.8	VANCOMYCIN RES. ENTER.									1				1	1	3	2	2	2	10	9	15	12	12	17	36	22		145
008.44	YERSINIA ENTEROCOLITICA											1			1					1							1		4
		11	5	20	22	6	9	10	2	15	12	16	13	14	14	36	20	30	32	36	45	29	36	31	46	63	52		625

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR JANUARY 2012

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	8	1						1				1						1				12
116.0	BLASTOMYCOSIS	2																					2
008.43	CAMPYLOBACTER	3	1				1		4		1							1	1				12
558.2	CLOSTRIDIUM DIFFICILE	44	4		2		5		5		5		6		4		3						78
008.0	E. COLI 0157	1					2				1												4
007.1	GIARDIA LAMBLIA	2	1				1																4
320.0	H. INFLUENZAE (CSF)										1												1
038.42	H.INFLUENZAE (BLOOD)	1							1								1						3
070.51	HEPATITIS C	24	4		3			3	1		1	1	1								1		39
487.1A	INFLUENZA A	6																					6
487.1B	INFLUENZA B	1					1																2
084	MALARIA		1																				1
B95.6	MRSA	89	2	9	3		2	5	8	1	4	1	5	2	3	7	5	95	13	1	1	1	257
072.9	MUMPS	4							1														5
038.2	PNEUM. SEPTICEMIA	9		1			2						1	1					1				15
003.0	SALMONELLA	2	2				1		2				3		1					1			12
004	SHIGELLOSIS	1																					1
041.1	STREP PYOGENES - OTHER ST	4							1				1					1					7
041.2	STREP.PNEUM.OTHER	2																					2
013-018	TUBERCULOSIS - NON-RESP.	2																					2
011-012	TUBERCULOSIS - RESP	5		1														2					8
002.0	TYPHOID	1																					1
B96.8	VANCOMYCIN RES. ENTER.	100	4		6		6		4		5		4		5		1		10				145
008.44	YERSINIA ENTEROCOLITICA	3	1																				4
		316	21	11	14		21	8	28	1	18	2	22	3	13	7	10	99	26	2	2	1	625

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

** OOP=Out of Province

STBBI Infection Summary Report - January 2012

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2011	2012	2011	2012
All Chlamydia Infections	579	601	579	601
All Gonorrhea Infections (including PRNG)	88	101	88	101
All Syphilis Infections*	3	8	3	8
Gonorrhea & Chlamydia Co-infections	44	44	44	44
HIV	10	7	10	7

Total Number of STBBI Cases by Age and Gender - January 2012

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	2						6		122	49	132	73	56	53	35	14	6	6	1	2								557
Gonorrhea Only Cases							1		8	4	9	11	4	8	4	3		4	1									57
Syphilis Only Cases												1	1						1	1	1		1	2				8
GC and CT Cases							2		19	3	7	6	2	1		4												44
TOTAL	2						9		149	56	148	91	63	62	39	21	6	10	3	3	1		1	2				666
HIV													1	1	1	1		1				2						7

Regional STBBI Distribution - January 2012

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	280	22	8	13	1	8	8	19	3	24		19	2	14	14	42	78	40		6		601
All Gonorrhea Infections	45	5	3	1			2	2		2			1	1	2	4	18	14		1		101
All Syphilis Infections	7	1																				8
GC and CT Infections	19		1										1		1	3	10	9				44

* 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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Reported up to February 29, 2012

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 February 2012.

The data reveal that there are increased numbers of Vancomycin-resistant *Enterococcus* (VRE) in Feb 2012 compared to Feb 2011. The increased number of VRE cases in Feb 2012 is attributable to ongoing hospital-related VRE outbreaks reported in late 2011.

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

There were 567 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in February 2012:

- 471 reported cases of chlamydia (CT) only
- 53 reported cases of gonorrhoea (GC) only
- 34 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 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 February 2012, there were no acute cases of Hepatitis B virus (HBV), 37 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 2012 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Diphyllbothriasis: 3 positive lab-confirmed cases reported; less than 2 expected in an average month.
- *Streptococcus pneumoniae* (other sterile site): 6 positive lab-confirmed cases reported; less than 4 expected in an average month.
- Schistosomiasis: 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 January, February, and March, 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.

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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	6	14		***	17	26
116.0	BLASTOMYCOSIS				***	2	2
005.1	BOTULISM				***		
023	BRUCELLOSIS	1	1	0	0-1	1	1
005.2	C. PERFRINGENS			0	0-1		
008.43	CAMPYLOBACTER	17	8	16	11-21	33	20
558.2	CLOSTRIDIUM DIFFICILE	64	81		***	141	159
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2	1	2	0-5	3	1
061.0	DENGUE FEVER			0	0-1	1	
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-2		
032	DIPHThERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP	1	3	0	0-1	1	3
008.0	E. COLI-VEROTOXIGENIC	4	2	3	0-6	6	6
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	6	11	9	3-15	13	15
038.42	H.INFLUENZAE (BLOOD)		1		***		4
320.0	H.INFLUENZAE (CSF)			0	0-1	1	1
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1		
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A			1	0-3	1	
070.3	HEPATITIS B	2		0	0-1	3	
070.51	HEPATITIS C	18	37	28	15-41	44	76
487.1A	INFLUENZA A	23	3		***	106	9
487.1B	INFLUENZA B		3		***		5
482.83	LEGIONELLA	1		0	0-1	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	0-3	2	1
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1		
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		
B95.6	MRSA	209	235	196	113-279	462	493
072.9	MUMPS	2		1	0-3	2	5
036.89	N.MENINGITIDIS OTHER			0	0-1		
728.86	NECROTIZING FASCIITIS			0	0-1		
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	2		1	0-4	3	
038.2	PNEUM. SEPTICEMIA	11	7	11	4-18	27	22
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.

SUMMARY OF COMMUNICABLE DISEASE FOR February 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
083.0	Q FEVER			0	0-1		
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII				***		
083.9	RICKETTSIAL DISEASE, OTHER			0	0-0		
056.9C	RUBELLA (confirmed)		1	0	0-1		1
771.0	RUBELLA CONGENITAL			0	0-1		
041.2	S.PNEUM.OTHER	1	6	1	0-3	2	8
003.0	SALMONELLA	21	15	22	12-32	42	27
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS		2	0	0-0		2
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	1	3	3	0-7	7	4
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	14		***	15	21
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	0-1		
127.2	STRONGYLOIDES	4	3	1	0-3	6	3
037	TETANUS			0	0-1		
130.9	TOXOPLASMOSIS			0	0-1		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-1		
013-018	TUBERCULOSIS - NON-RESP.	2	3	2	0-4	3	3
010	TUBERCULOSIS - PRIM.	2	1	0	0-2	2	2
011-012	TUBERCULOSIS - RESP	7	8	6	0-12	16	16
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	52	138		***	91	283
005.4	VIBRIO PARAHAEOLYTICUS				***		
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	3	1	1	0-3	6	5
		476	606			1066	1231

* 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 2012

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	2					1	2	1	2		4		14
023	BRUCELLOSIS													1															1
008.43	CAMPYLOBACTER				1		1			1	1					1		1	1	1									8
558.2	CLOSTRIDIUM DIFFICILE							1		2	2	1		1	1	3	2	4	1	7	4	5	4	7	9	14	13		81
007.8	CRYPTOSPORIDIOSIS										1																		1
123.4	DIPHYLLOBOTHRIUM													1				1	1										3
008.0	E. COLI 0157													1						1									2
007.1	GIARDIA LAMBLIA		1	3	1			1								1		2	1		1								11
038.42	H.INFLUENZAE (BLOOD)																					1							1
070.51	HEPATITIS C											2	2	2	2	7	5	5	3	2		5					2		37
070.59	HEPATITIS OTHER (VIRAL)																				1								1
487.1A	INFLUENZA A		1													1				1									3
487.1B	INFLUENZA B				1	2																							3
B95.6	MRSA	5	4	6	24	3	10	7	1	11	11	10	9	5	6	16	12	11	19	6	9	7	7	5	9	8	12	2	235
038.2	PNEUM. SEPTICEMIA														1	1				1		2	1			1			7
056.9C	RUBELLA (confirmed)															1													1
003.0	SALMONELLA			1								1		3	1		1				3	2	2			1			15
120	SCHISTOSOMIASIS				1															1									2
004	SHIGELLOSIS						1										1			1									3
041.1	STREP PYOGENES - OTHER ST									1				1	1	3	1	1	1	2	1				1		1		14
041.2	STREP.PNEUM.OTHER																1	1		1					1	1	1		6
127.2	STRONGYLOIDIASIS							1						1	1														3
013-018	TUBERCULOSIS - NON-RESP.																	1		1	1								3
010	TUBERCULOSIS - PRIM.			1																									1
011-012	TUBERCULOSIS - RESP											1				1		1	1	2	1		1						8
B96.8	VANCOMYCIN RES. ENTER.											1		1	1	6		2	5	8	12	12	12	17	15	22	24		138
008.44	YERSINIA ENTEROCOLITICA				1																								1
		6	6	12	29	5	12	8	2	14	15	16	11	15	15	37	28	29	36	34	38	30	35	30	37	47	55		606

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR FEBRUARY 2012

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				1														3
038.0	BETA STREP SEPTICEMIA	12			1				1														14
023	BRUCELLOSIS						1																1
008.43	CAMPYLOBACTER	5					1		1		1												8
558.2	CLOSTRIDIUM DIFFICILE	52	6		2		6		2		5		4		3		1						81
007.8	CRYPTOSPORIDIOSIS		1																				1
123.4	DIPHYLLOBOTHRIUM	3																					3
008.0	E. COLI 0157	2																					2
007.1	GIARDIA LAMBLIA	3	2		1		3				1		1										11
038.42	H.INFLUENZAE (BLOOD)	1																					1
070.51	HEPATITIS C	23	2		1		1	1		1	4		1		2							1	37
070.59	HEPATITIS OTHER (VIRAL)	1																					1
487.1A	INFLUENZA A	2											1										3
487.1B	INFLUENZA B																	2	1				3
B95.6	MRSA	89	3	4	3			4	8		2	1	2	1	2	10	5	93	6	1		1	235
038.2	PNEUM. SEPTICEMIA	5									1										1		7
056.9C	RUBELLA (confirmed)	1																					1
003.0	SALMONELLA	8	2		1		2		1		1												15
120	SCHISTOSOMIASIS	1	1																				2
004	SHIGELLOSIS	1	1												1								3
041.1	STREP PYOGENES - OTHER ST	8					1				2				2		1						14
041.2	STREP.PNEUM.OTHER	4									1							1					6
127.2	STRONGYLOIDIASIS	3																					3
013-018	TUBERCULOSIS - NON-RESP.	2																	1				3
010	TUBERCULOSIS - PRIM.																	1					1
011-012	TUBERCULOSIS - RESP	3										1						4					8
B96.8	VANCOMYCIN RES. ENTER.	102	1		2		4		8		3		11				2		5				138
008.44	YERSINIA ENTEROCOLITICA	1																					1
		332	19	4	13		19	5	22	1	21	2	20	1	10	10	9	101	13	1	1	2	606

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

** OOP=Out of Province

STBBI Infection Summary Report - February 2012

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2011	2012	2011	2012
All Chlamydia Infections	540	505	1119	1106
All Gonorrhea Infections (including PRNG)	68	87	156	188
All Syphilis Infections*	2	9	5	17
Gonorrhea & Chlamydia Co-infections	36	34	80	78
HIV	5	5	15	12

Total Number of STBBI Cases by Age and Gender - February 2012

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							2		106	33	115	67	39	40	32	27	4	4		1			1					471
Gonorrhea Only Cases								1	8	5	7	9	6	6	2	5		3		1								53
Syphilis Only Cases															1		1	2				4		1				9
GC and CT Cases							1		6	3	6	1	5	3	4	3		1		1								34
TOTAL							3	1	120	41	128	77	50	49	39	35	5	10		3		4	1	1				567
HIV														1	1		1		1			1						5

Regional STBBI Distribution - February 2012

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	254	14	13	6	8	8	13	7	26		8	7	15	6	28	57	31		4			505
All Gonorrhea Infections	45		1		1	1	3						2	3	3	21	6		1			87
All Syphilis Infections	6			2															1			9
GC and CT Infections	17		1				1	1							2	2	8	2				34

* 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, 2012

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 44% of all non-STBBI related communicable diseases reported to Manitoba Health during March 2012.

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

There were 619 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in March 2012:

- 511 reported cases of chlamydia (CT) only
- 59 reported cases of gonorrhoea (GC) only
- 42 reported co-infections of CT and GC and
- 7 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 March 2012, there were no acute cases of Hepatitis B virus (HBV), 27 cases of Hepatitis C virus (HCV) and 12 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in March 2012 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- *Clostridium perfringens*: 1 positive lab-confirmed case reported; less than 1 expected in an average month.
- *Streptococcus pneumoniae* (septicaemia): 21 positive lab-confirmed cases reported; less than 20 expected in an average month.
- Schistosomiasis: 2 positive lab-confirmed cases reported; less than 1 expected in an average month.
- Toxoplasmosis: 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, 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 March 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
006.9	AMEBIASIS	2	6	4	0-8	5	11
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.1	BAC. MENINGITIS - PNEUM		1	0	0-1		1
320.7	BAC.MENINGITIS-LISTERIA				***	1	
038.0	BETA STREP SEPTICEMIA	23	12		***	40	38
116.0	BLASTOMYCOSIS		1		***	2	4
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1	1	1
005.2	C. PERFRINGENS		1	0	0-0		1
008.43	CAMPYLOBACTER	19	14	16	8-24	52	34
558.2	CLOSTRIDIUM DIFFICILE	75	76		***	216	235
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2	2	2	0-4	5	3
061.0	DENGUE FEVER			0	0-1	1	
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			1	0-3		
032	DIPHtheria CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP			0	0-1	1	3
008.0	E. COLI-VEROTOXIGENIC	3	3	3	0-6	9	9
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	12	12	8	2-14	25	27
038.42	H.INFLUENZAE (BLOOD)		3		***		7
320.0	H.INFLUENZAE (CSF)			0	0-0	1	1
041.5	H.INFLUENZAE (OTHER STERILE)	1		0	0-1	1	
480.8	HANTA VIRUS			0	0-1		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	1		1	0-3	2	
070.3	HEPATITIS B			1	0-3	3	
070.51	HEPATITIS C	28	27	29	18-40	72	103
487.1A	INFLUENZA A	7	39		***	113	48
487.1B	INFLUENZA B	3	137		***	3	142
482.83	LEGIONELLA			0	0-1	1	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		
027.0	LISTERIA MONOCYTOGENES		1	0	0-1		1
088.81	LYME DISEASE			0	0-1		
084	MALARIA	1	1	1	0-3	3	2
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF	1		0	0-1	1	
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		
B95.6	MRSA	257	262	190	107-273	719	756
072.9	MUMPS	4		1	0-4	6	6
036.89	N.MENINGITIDIS OTHER			0	0-1		
728.86	NECROTIZING FASCIITIS			1	0-3		
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	1	1	2	0-9	4	1
038.2	PNEUM. SEPTICEMIA	15	21	11	3-19	41	44
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 mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE FOR March 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
083.0	Q FEVER	1		0	0-1	1	
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII				***		
083.9	RICKETTSIAL DISEASE, OTHER			0	0-0		
056.9C	RUBELLA (confirmed)			0	0-1		1
771.0	RUBELLA CONGENITAL	1		0	0-1	1	
041.2	S.PNEUM.OTHER	3	2	1	0-3	5	9
003.0	SALMONELLA	18	14	20	11-29	60	45
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS		2	0	0-0		4
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	7	4	3	0-7	14	8
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	10	8		***	25	29
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0	1	
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES	2	4	1	0-4	8	7
037	TETANUS			0	0-1		
130.9	TOXOPLASMOSIS		2	0	0-1		2
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI	2	1	0	0-1	2	1
013-018	TUBERCULOSIS - NON-RESP.	3	1	2	0-6	6	4
010	TUBERCULOSIS - PRIM.	1	1	1	0-3	3	3
011-012	TUBERCULOSIS - RESP	5	7	8	4-12	21	23
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID		1	0	0-1	1	2
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	133	105		***	224	388
005.4	VIBRIO PARAHAEMOLYTICUS				***		
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	0-4	6	5
		641	773			1706	2011

* 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 2012

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			1		1					1					6
320.1	BAC. MENINGITIS - PNEUM																							1					1
038.0	BETA STREP SEPTICEMIA	1		1												1		1		1	1	1		1	3	1			12
116.0	BLASTOMYCOSIS																	1											1
005.2	C. PERFRINGENS																							1					1
008.43	CAMPYLOBACTER		1	1			1							1	1	2				2	2	2	1						14
558.2	CLOSTRIDIUM DIFFICILE													1		5	1	9		9	3	5	9	5	8	10	11		76
007.8	CRYPTOSPORIDIOSIS				1							1																	2
008.0	E. COLI 0157									1						1		1											3
007.1	GIARDIA LAMBLIA	1			2	2		1		2				1		1		1	1										12
038.42	H.INFLUENZAE (BLOOD)	2																				1							3
070.51	HEPATITIS C											1	1		6	3		5	3	5		1	1	1					27
070.59	HEPATITIS OTHER (VIRAL)											1																	1
487.1A	INFLUENZA A		1	2	3	2	1	1	2	3		1	3	1	1	3	2	2	2	1				1	5	2			39
487.1B	INFLUENZA B	6	8	16	13	10	22	6	7	1	5	1	1	1		6	5	6	2	4	4	1		2	1	8	1		137
027.0	LISTERIA MONOCYTOGENES																				1								1
084	MALARIA				1																								1
B95.6	MRSA	4	6	15	6	6	10	8	8	9	1	15	8	9	6	12	11	19	15	14	19	11	9	6	11	14	10		262
033.0	PERTUSSIS		1																										1
038.2	PNEUM. SEPTICEMIA	1		1	4							1		1		2		1	2	1	3	1	1		1	1			21
003.0	SALMONELLA		1									2	1	2	2	1	1		1	1	1			1					14
120	SCHISTOSOMIASIS					1											1												2
004	SHIGELLOSIS			1			3																						4
041.1	STREP PYOGENES - OTHER ST														1		1		2	1			2		1				8
041.2	STREP.PNEUM.OTHER	1																							1				2
127.2	STRONGYLOIDIASIS						1										1		1			1							4
130.9	TOXOPLASMOSIS			2																									2
086	TRYPANOSOMIASIS													1															1
013-018	TUBERCULOSIS - NON-RESP.																	1											1
010	TUBERCULOSIS - PRIM.				1																								1
011-012	TUBERCULOSIS - RESP									1		2						1	1		1		1						7
002.0	TYPHOID																	1											1
B96.8	VANCOMYCIN RES. ENTER.				1									1		1	2	2	2	6	4	9	7	10	12	28	20		105
		16	18	39	32	21	39	17	17	16	7	19	15	21	12	39	31	42	37	43	43	33	34	27	41	69	45		773

2012-05-16

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR MARCH 2012

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	5										1											6
320.1	BAC. MENINGITIS - PNEUM	1																					1
038.0	BETA STREP SEPTICEMIA	7						1				1						2				1	12
116.0	BLASTOMYCOSIS	1																					1
005.2	C. PERFRINGENS											1											1
008.43	CAMPYLOBACTER	6		1			3			1								1	1	1			14
558.2	CLOSTRIDIUM DIFFICILE	37	4		2		8		2	10		5		5				3					76
007.8	CRYPTOSPORIDIOSIS		1							1													2
008.0	E. COLI 0157	2						1															3
007.1	GIARDIA LAMBLIA	6	3				1					1		1									12
038.42	H.INFLUENZAE (BLOOD)															1	1					1	3
070.51	HEPATITIS C	20						1	1	3				1		1							27
070.59	HEPATITIS OTHER (VIRAL)			1																			1
487.1A	INFLUENZA A	17		2			2		1	1	7		1	1	1			6					39
487.1B	INFLUENZA B	29	2	3	3		1		1	3		1		1				90	3				137
027.0	LISTERIA MONOCYTOGENES	1																					1
084	MALARIA	1																					1
B95.6	MRSA	97	3	5	3		5	2	8	6	1	3	2	4	8	6	102	7					262
033.0	PERTUSSIS							1															1
038.2	PNEUM. SEPTICEMIA	14						1		1		1				2	2						21
003.0	SALMONELLA	10								1				3									14
120	SCHISTOSOMIASIS	1	1																				2
004	SHIGELLOSIS	1														1	2						4
041.1	STREP PYOGENES - OTHER ST	4	1					1										2					8
041.2	STREP.PNEUM.OTHER									1						1							2
127.2	STRONGYLOIDIASIS	4																					4
130.9	TOXOPLASMOSIS	1						1															2
086	TRYPANOSOMIASIS	1																					1
013-018	TUBERCULOSIS - NON-RESP.																	1					1
010	TUBERCULOSIS - PRIM.																	1					1
011-012	TUBERCULOSIS - RESP	4								1								2					7
002.0	TYPHOID	1																					1
B96.8	VANCOMYCIN RES. ENTER.	75			4		3		6		7		1					9					105
		346	15	12	12		23	3	25	1	42	1	16	3	16	11	12	209	23	1		2	773

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

** OOP=Out of Province

STBBI Infection Summary Report - March 2012

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2011	2012	2011	2012
All Chlamydia Infections	605	553	1724	1660
All Gonorrhea Infections (including PRNG)	81	101	237	289
All Syphilis Infections*	4	7	9	24
Gonorrhea & Chlamydia Co-infections	37	42	117	119
HIV	6	12	21	24

Total Number of STBBI Cases by Age and Gender - March 2012

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							2	3	125	32	120	45	54	46	34	27	8	9	3	3								511
Gonorrhea Only Cases									6	1	11	8	7	8	5	6	2	5										59
Syphilis Only Cases												1			3	2					1							7
GC and CT Cases							1	8	4	10	4	3	4		5		1				2							42
TOTAL							2	4	139	37	141	58	64	58	42	40	10	15	3	3		3						619
HIV											1	1			2	1	1	3		2		1						12

Regional STBBI Distribution - March 2012

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	261	21	15	5	1	16	19	9	1	20		15	2	15	5	38	80	26		4		553
All Gonorrhea Infections	52	1	1			1	1	4		5		2				7	25	1		1		101
All Syphilis Infections	6			1																		7
GC and CT Infections	20					1		1								3	17					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

Manitoba Monthly Surveillance Unit Report

Reported up to April 30, 2012

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 49% of all non-STBBI related communicable diseases reported to Manitoba Health during April 2012.

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

There were 597 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in April 2012:

- 489 reported cases of chlamydia (CT) only
- 67 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 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 April 2012, there were no acute cases of Hepatitis B virus (HBV), 37 cases of Hepatitis C virus (HCV) and 4 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in April 2012 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Cryptosporidiosis: 13 positive lab-confirmed cases reported; less than 4 expected in an average month. An outbreak was reported in April in south western Manitoba associated with a petting zoo, which has since been declared over.
- Shigellosis: 7 positive lab-confirmed cases reported; less than 7 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, 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 April 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
006.9	AMEBIASIS	2	1	4	0-9	8	11
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.1	BAC. MENINGITIS - PNEUM		1	0	0-1		2
320.7	BAC.MENINGITIS-LISTERIA				***	1	
038.0	BETA STREP SEPTICEMIA	11	20		***	51	58
116.0	BLASTOMYCOSIS				***	2	4
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1	1	1
005.2	C. PERFRINGENS			0	0-1		1
008.43	CAMPYLOBACTER	22	8	17	9-25	74	43
558.2	CLOSTRIDIUM DIFFICILE	97	72		***	313	307
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2	13	1	0-3	7	16
061.0	DENGUE FEVER			0	0-1	1	
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-2		
032	DIPHThERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP	1		0	0-1	2	3
008.0	E. COLI-VEROTOXIGENIC	6	1	3	0-6	15	10
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	7	9	10	5-15	32	35
038.42	H.INFLUENZAE (BLOOD)		2		***		9
320.0	H.INFLUENZAE (CSF)			0	0-0	1	1
041.5	H.INFLUENZAE (OTHER STERILE)	1		0	0-1	2	
480.8	HANTA VIRUS			0	0-1		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	1		1	0-3	3	
070.3	HEPATITIS B			0	0-1	3	
070.51	HEPATITIS C	27	37	31	21-41	99	140
487.1A	INFLUENZA A		14		***	113	62
487.1B	INFLUENZA B	8	47		***	11	189
482.83	LEGIONELLA			0	0-1	1	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		
027.0	LISTERIA MONOCYTOGENES			0	0-1		1
088.81	LYME DISEASE			0	0-1		
084	MALARIA			1	0-4	3	3
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF		1	0	0-1	1	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		
B95.6	MRSA	233	275	194	103-285	952	1031
072.9	MUMPS	3		1	0-4	9	6
036.89	N.MENINGITIDIS OTHER			0	0-1		
728.86	NECROTIZING FASCIITIS	3		1	0-3	3	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	1	3	3	0-11	5	4
038.2	PNEUM. SEPTICEMIA	17	15	12	4-20	58	60
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 mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE FOR April 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
083.0	Q FEVER			0	0-1	1	
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII				***		
083.9	RICKETTSIAL DISEASE, OTHER			0	0-0		
056.9C	RUBELLA (confirmed)			0	0-1		1
771.0	RUBELLA CONGENITAL			0	0-1	1	
041.2	S.PNEUM.OTHER	1		1	0-3	6	9
003.0	SALMONELLA	17	12	18	7-29	77	58
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS			0	0-0		4
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS		7	2	0-6	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	10	6		***	35	35
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0	1	
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES	4	2	2	0-6	12	9
037	TETANUS			0	0-1		
130.9	TOXOPLASMOSIS	1		0	0-1	1	2
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI	1		0	0-1	3	1
013-018	TUBERCULOSIS - NON-RESP.	2	3	2	0-6	8	8
010	TUBERCULOSIS - PRIM.	1		1	0-3	4	3
011-012	TUBERCULOSIS - RESP	6	9	9	3-15	27	31
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID	2		0	0-1	3	2
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	76	150		***	300	537
005.4	VIBRIO PARAHAEMOLYTICUS		1		***		1
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	0-3	7	7
		564	710			2271	2723

* 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 2012

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
036.0	BAC.MGTS-NMGTS(MGCCL MGT																1												1
038.0	BETA STREP SEPTICEMIA	1	2													1	2		2	1	1	1		3	3	3			20
008.43	CAMPYLOBACTER			3		1					1				1	1									1				8
558.2	CLOSTRIDIUM DIFFICILE						1							2	1	4	1	5	4	6	8	4	7	9	7	5	8		72
007.8	CRYPTOSPORIDIOSIS			1			4	2			1	1				3					1								13
008.0	E. COLI 0157													1															1
007.1	GIARDIA LAMBLIA				2		2						1	1			2				1								9
038.42	H.INFLUENZAE (BLOOD)																					2							2
070.51	HEPATITIS C							1		1		3	1	3		3	4	3	7	1	6		2	1			1		37
487.1A	INFLUENZA A		2	1	1	1	1					1					1	1	4		1								14
487.1B	INFLUENZA B	3	3	4	2	2	7	3	3	2			1	1	1		1		3	2	1		1	3		3	1		47
B95.6	MRSA	8	4	18	16	7	15	11	7	7	5	7	7	7	7	9	7	15	12	21	19	13	17	8	8	8	11	1	275
033.0	PERTUSSIS		2	1																									3
038.2	PNEUM. SEPTICEMIA			1						1	1	1	1			2		2	2			2		2					15
003.0	SALMONELLA	1	1		1		1		1	1		1			1					1				1		2			12
004	SHIGELLOSIS				1		2	1			1												1	1					7
041.1	STREP PYOGENES - OTHER ST		1									1	2	1							1								6
127.2	STRONGYLOIDIASIS																	1				1							2
013-018	TUBERCULOSIS - NON-RESP.													1	1			1											3
011-012	TUBERCULOSIS - RESP											2	1		2	1	1	1	1										9
B96.8	VANCOMYCIN RES. ENTER.		2									1		1		3	2	10	10	5	12	12	20	11	17	24	20		150
005.4	VIBRIO PARAHAEMOLYTICUS																				1								1
008.44	YERSINIA ENTEROCOLITICA									1																			1
		13	17	29	23	11	33	18	11	13	8	19	14	18	13	26	21	42	40	42	47	38	51	35	37	44	45		710

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR APRIL 2012

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
036.0	BAC.MGTS-NMGTS(MGCCL MGT									1													1
038.0	BETA STREP SEPTICEMIA	15						1						1		1		2					20
008.43	CAMPYLOBACTER	2	1	1		1				1		1		1									8
558.2	CLOSTRIDIUM DIFFICILE	42	2		3		6		2	8		7						2					72
007.8	CRYPTOSPORIDIOSIS	1	7					1		2		2											13
008.0	E. COLI 0157	1																					1
007.1	GIARDIA LAMBLIA	8								1													9
038.42	H.INFLUENZAE (BLOOD)	1												1									2
070.51	HEPATITIS C	22	2		3			2	1	1		2		2				1			1		37
487.1A	INFLUENZA A	7								1		1						3	2				14
487.1B	INFLUENZA B	15	1		1			4		4				1		3	15	3					47
B95.6	MRSA	103	5	4	3		4	4	13	1	3	1		11	3	9	77	32			2		275
033.0	PERTUSSIS	1					1			1													3
038.2	PNEUM. SEPTICEMIA	6													1		4	4					15
003.0	SALMONELLA	5	1		1					3				1			1						12
004	SHIGELLOSIS	6														1							7
041.1	STREP PYOGENES - OTHER ST	3								1				1				1					6
127.2	STRONGYLOIDIASIS	2																					2
013-018	TUBERCULOSIS - NON-RESP.	3																					3
011-012	TUBERCULOSIS - RESP	4		2						1		1					1						9
B96.8	VANCOMYCIN RES. ENTER.	107			5		4		11	4		4		2		2	1	10					150
005.4	VIBRIO PARAHAEMOLYTICUS	1																					1
008.44	YERSINIA ENTEROCOLITICA											1											1
		356	20	7	16		16	4	34	2	29	3	20	21	4	16	103	56		1	2		710

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

** OOP=Out of Province

STBBI Infection Summary Report - April 2012

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2011	2012	2011	2012
All Chlamydia Infections	476	526	2200	2186
All Gonorrhea Infections (including PRNG)	57	104	294	393
All Syphilis Infections*	2	4	11	27
Gonorrhea & Chlamydia Co-infections	23	37	140	156
HIV	6	4	27	28

Total Number of STBBI Cases by Age and Gender - April 2012

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	1	114	32	117	50	52	31	30	29	15	9	1	4		1						489
Gonorrhea Only Cases					2				8	2	10	9	5	9	4	9	2	3	1	3								67
Syphilis Only Cases												1	1					2										4
GC and CT Cases									6	2	8	5	7	2	1	3	2	1										37
TOTAL					2		3	1	128	36	135	65	65	42	35	41	19	15	2	7		1						597
HIV																	1		1	1		1						4

Regional STBBI Distribution - April 2012

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	250	19	9	11	2	5	11	12	7	25		12	4	16	3	36	66	32		5	1	526
All Gonorrhea Infections	62	1		2			1	4	2	3		1	2			1	20	4		1		104
All Syphilis Infections	3					1																4
GC and CT Infections	19						1	1	2	3			1			1	9					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 May 31, 2012

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 2012.

- The number of reported cases of MRSA was above the statistically expected range in May 2012: 312 positive lab-confirmed cases reported; less than 293 expected in an average month.

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

There were 694 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in May 2012:

- 561 reported cases of chlamydia (CT) only
- 80 reported cases of gonorrhoea (GC) only
- 49 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 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 May 2012, there were no acute cases of Hepatitis B virus (HBV), 24 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 May 2012 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Shigellosis: 10 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 April, May, and June, 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 May 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
006.9	AMEBIASIS	1	6	4	0-8	9	17
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1		
005.8	B. CEREUS			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			0	0-1		2
320.7	BAC.MENINGITIS-LISTERIA				***	1	
038.0	BETA STREP SEPTICEMIA	10	23		***	61	81
116.0	BLASTOMYCOSIS				***	2	4
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1	1	1
005.2	C. PERFRINGENS	2		0	0-2	2	1
008.43	CAMPYLOBACTER	20	14	20	8-32	94	57
558.2	CLOSTRIDIUM DIFFICILE	68	65		***	381	373
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2		1	0-3	9	16
061.0	DENGUE FEVER	1	1	0	0-1	2	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-2		
032	DIPHThERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP			1	0-4	2	3
008.0	E. COLI-VEROTOXIGENIC	4	1	4	0-10	19	11
054.3	ENCEPHALITIS	1		0	0-1	1	
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	9	5	10	2-18	41	40
038.42	H.INFLUENZAE (BLOOD)	1			***	1	9
320.0	H.INFLUENZAE (CSF)		1	0	0-0	1	2
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1	2	
480.8	HANTA VIRUS			0	0-1		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A	2		1	0-3	5	
070.3	HEPATITIS B			0	0-1	3	
070.51	HEPATITIS C	35	24	28	16-40	134	165
487.1A	INFLUENZA A		4		***	113	66
487.1B	INFLUENZA B	1	25		***	12	214
482.83	LEGIONELLA			0	0-1	1	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		
027.0	LISTERIA MONOCYTOGENES	1		0	0-1	1	1
088.81	LYME DISEASE			0	0-2		
084	MALARIA	4	1	1	0-4	7	4
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			0	0-1	1	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		
B95.6	MRSA	248	312	199	106-292	1200	1343
072.9	MUMPS			1	0-3	9	6
036.89	N.MENINGITIDIS OTHER			0	0-1		
728.86	NECROTIZING FASCIITIS			1	0-3	3	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	3	3	4	0-12	8	7
038.2	PNEUM. SEPTICEMIA	11	15	12	4-20	69	75
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 mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE FOR May 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
083.0	Q FEVER			0	0-0	1	
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII				***		
083.9	RICKETTSIAL DISEASE, OTHER			0	0-1		
056.9C	RUBELLA (confirmed)			0	0-1		1
771.0	RUBELLA CONGENITAL			0	0-0	1	
041.2	S.PNEUM.OTHER	1		0	0-1	7	9
003.0	SALMONELLA	10	8	17	4-30	87	66
079.82	SARS (CORONAVIRUS)				***		
120	SCHISTOSOMIASIS			0	0-0		4
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	1	10	2	0-5	15	25
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	8	9		***	43	44
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0	1	
481	STREPTOCOCCUS PNEUMONIAE			0	0-0		
127.2	STRONGYLOIDES	3	1	2	0-6	15	10
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-1	1	2
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI	1		0	0-1	4	1
013-018	TUBERCULOSIS - NON-RESP.	1	1	2	0-6	9	9
010	TUBERCULOSIS - PRIM.	1	2	1	0-3	5	5
011-012	TUBERCULOSIS - RESP	8	10	10	2-18	35	41
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID	1		0	0-1	4	2
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	121	148		***	421	685
005.4	VIBRIO PARAHAEMOLYTICUS				***		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	7	7
		580	690			2851	3414

* 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 2012

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				1		1		1									6
038.0	BETA STREP SEPTICEMIA	2			1	1						2				1	1	1	1	1	2	2	1	3	1	3			23
008.43	CAMPYLOBACTER			1	1									2	2			1	2	2	2			1					14
558.2	CLOSTRIDIUM DIFFICILE											2			1	3	2	1	2	4	4	3	7	7	9	11	9		65
061.0	DENGUE FEVER													1															1
008.0	E. COLI 0157				1																								1
007.1	GIARDIA LAMBLIA						1			1		1						1				1							5
320.0	H. INFLUENZAE (CSF)				1																								1
070.51	HEPATITIS C	1													1	3	4		6		7		1	1					24
070.59	HEPATITIS OTHER (VIRAL)																					1							1
487.1A	INFLUENZA A		1	1													1					1							4
487.1B	INFLUENZA B		2		2		1	3	2	1				2	4		1					2				3	2		25
084	MALARIA			1																									1
B95.6	MRSA	8	3	9	14	8	9	10	7	11	8	11	10	9	14	19	12	19	21	11	14	8	15	7	15	24	15	1	312
033.0	PERTUSSIS						1	1	1																				3
038.2	PNEUM. SEPTICEMIA			1	1									1		3	1	1		1		2	1	1	1	1			15
003.0	SALMONELLA					1	1			1	1						1	1		1		1							8
004	SHIGELLOSIS				3		2		1				2			1		1											10
041.1	STREP PYOGENES - OTHER ST											1						1		3		1	2	1					9
127.2	STRONGYLOIDIASIS																			1									1
013-018	TUBERCULOSIS - NON-RESP.											1																	1
010	TUBERCULOSIS - PRIM.			1	1																								2
011-012	TUBERCULOSIS - RESP								1	1		1			1	1	2		1	1			1						10
B96.8	VANCOMYCIN RES. ENTER.	1				1									1	5	1	5	3	13	7	6	15	16	17	31	25	1	148
		12	6	14	25	11	16	15	12	15	9	19	13	12	23	41	23	31	39	32	43	22	48	37	45	73	52		690

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR MAY 2012

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						1										6
038.0	BETA STREP SEPTICEMIA	14	1				1						3		1			2	1				23
008.43	CAMPYLOBACTER	3	1				2				2		4		1			1					14
558.2	CLOSTRIDIUM DIFFICILE	33	5				4		3		5		9		6								65
061.0	DENGUE FEVER				1																		1
008.0	E. COLI 0157														1								1
007.1	GIARDIA LAMBLIA	2									2		1										5
320.0	H. INFLUENZAE (CSF)		1																				1
070.51	HEPATITIS C	12	1		4			1	1		3							1	1				24
070.59	HEPATITIS OTHER (VIRAL)	1																					1
487.1A	INFLUENZA A	1					1		1										1				4
487.1B	INFLUENZA B	6							1		3		10		1	2	1	1					25
084	MALARIA										1												1
B95.6	MRSA	127	3	2	6		3	1	15		7	1	5		8	5	7	65	57				312
033.0	PERTUSSIS	3																					3
038.2	PNEUM. SEPTICEMIA	9	1		1								2					2					15
003.0	SALMONELLA	6			1						1												8
004	SHIGELLOSIS	3	1				1						1		1	2	1						10
041.1	STREP PYOGENES - OTHER ST	6			1						1								1				9
127.2	STRONGYLOIDIASIS	1																					1
013-018	TUBERCULOSIS - NON-RESP.	1																					1
010	TUBERCULOSIS - PRIM.										2												2
011-012	TUBERCULOSIS - RESP	6							2									2					10
B96.8	VANCOMYCIN RES. ENTER.	104	1		6		1		7		4		6		3		3	2	11				148
		342	15	2	20		14	2	30	1	30	1	42		22	9	12	76	72				690

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

** OOP=Out of Province

STBBI Infection Summary Report - May 2012

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2011	2012	2011	2012
All Chlamydia Infections	606	610	2806	2792
All Gonorrhea Infections (including PRNG)	74	129	368	521
All Syphilis Infections*	3	4	14	31
Gonorrhea & Chlamydia Co-infections	36	49	176	205
HIV	7	5	34	33

Total Number of STBBI Cases by Age and Gender - May 2012

	<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							7		131	39	123	77	47	29	43	40	7	8	6	2		1					1	561
Gonorrhea Only Cases									9	9	16	12	6	9	5	11		2		1								80
Syphilis Only Cases											1	1				1							1					4
GC and CT Cases									12	2	15	8	3	4	1		2				1					1	49	
TOTAL							7		152	50	155	98	56	42	49	52	9	10	6	3		2		1		2	694	
HIV									1					1		1		1		1							5	

Regional STBBI Distribution - May 2012

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	287	16	16	11		6	8	25	7	28		19	5	24	7	35	79	30	2	5		610
All Gonorrhea Infections	71	1	3	4		2	4	4	2	4				3		3	21	7				129
All Syphilis Infections	4																					4
GC and CT Infections	21	1	3			1	3	2						2			13	3				49

* 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, 2012

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 June 2012.

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

There were 606 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in June 2012:

- 480 reported cases of chlamydia (CT) only
- 69 reported cases of gonorrhoea (GC) only
- 53 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 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 2012, there were no acute cases of Hepatitis B virus (HBV), 23 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 June 2012 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Campylobacteriosis: 37 positive lab-confirmed cases reported; less than 37 expected in an average month.
- Legionellosis: 2 positive lab-confirmed cases reported; less than 2 expected in an average month.
- Parasitic Diseases, Other*: 5 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 May, June, and July, 2007-2011.

**Parasitic diseases other than amoebiasis, cryptosporidiosis, cyclosporiasis, fish tapeworm, giardiasis, malaria, strongyloidiasis, toxoplasmosis, trichinosis and trypanosomiasis.*

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 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
006.9	AMEBIASIS	3	2	3	0-7	12	19
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1		
005.8	B. CEREUS			0	0-1		
320.1	BAC. MENINGITIS - PNEUM		1	0	0-1		3
320.7	BAC.MENINGITIS-LISTERIA				***	1	
038.0	BETA STREP SEPTICEMIA	8	12		***	69	93
116.0	BLASTOMYCOSIS		1		***	2	5
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1	1	1
005.2	C. PERFRINGENS			0	0-2	2	1
008.43	CAMPYLOBACTER	30	37	24	12-36	124	94
558.2	CLOSTRIDIUM DIFFICILE	93	60		***	474	433
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	3	4	2	0-7	12	20
061.0	DENGUE FEVER	1		0	0-1	3	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1		
032	DIPHThERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP	3		1	0-4	5	3
008.0	E. COLI-VEROTOXIGENIC	7	7	5	0-11	26	18
054.3	ENCEPHALITIS			0	0-1	1	
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	5	9	11	2-20	46	49
038.42	H.INFLUENZAE (BLOOD)	1			***	2	8
320.0	H.INFLUENZAE (CSF)			0	0-1	1	3
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-0	2	
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	1	1	1	0-3	6	1
070.3	HEPATITIS B	1		0	0-1	4	
070.51	HEPATITIS C	15	23	28	16-40	149	189
487.1A	INFLUENZA A				***	113	66
487.1B	INFLUENZA B				***	12	214
482.83	LEGIONELLA	2	2	0	0-1	3	2
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	3		1	0-4	3	
084	MALARIA	3	4	1	0-4	10	8
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			0	0-1	1	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		
B95.6	MRSA	244	289	222	91-353	1444	1633
072.9	MUMPS			1	0-3	9	6
036.89	N.MENINGITIDIS OTHER	1		0	0-1	1	
728.86	NECROTIZING FASCIITIS			1	0-4	3	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
120	PARASITIC DISEASES, OTHER****		5	0	0-0		9
033.0	PERTUSSIS	3	1	4	0-11	11	8
038.2	PNEUM. SEPTICEMIA	8	9	9	0-18	77	84

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

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

*** Data collected for less than 5 years.

**** Parasitic diseases other than amoebiasis, cryptosporidiosis, cyclosporiasis, fish tapeworm, giardiasis, malaria, strongyloidiasis, toxoplasmosis, trichinosis and trypanosomiasis.

SUMMARY OF COMMUNICABLE DISEASE FOR June 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-0	1	
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII		1		***		1
083.9	RICKETTSIAL DISEASE, OTHER	1		0	0-1	1	
056.9C	RUBELLA (confirmed)	1		0	0-1	1	1
771.0	RUBELLA CONGENITAL			0	0-0	1	
041.2	S.PNEUM.OTHER	1		0	0-1	8	9
003.0	SALMONELLA	14	11	18	4-32	101	77
079.82	SARS (CORONAVIRUS)				***		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	2	4	2	0-5	17	29
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	6		***	53	50
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0	1	
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES	3	2	2	0-6	18	12
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-1	1	2
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI	1	1	0	0-2	5	2
013-018	TUBERCULOSIS - NON-RESP.	2	2	2	0-4	11	11
010	TUBERCULOSIS - PRIM.			1	0-3	5	4
011-012	TUBERCULOSIS - RESP	5	6	10	2-18	40	47
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID			0	0-1	4	2
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	102	104		***	523	788
005.4	VIBRIO PARAHAEMOLYTICUS				***		1
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	0	0-1	7	8
		577	605			3428	4019

* 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 2012

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
038.0	BETA STREP SEPTICEMIA	1														2		1				2	2		1	1	1	1	12
116.0	BLASTOMYCOSIS													1															1
008.43	CAMPYLOBACTER			3	4		2				2	4	3	1	2	2	1	3	1	4	2	1	1	1					37
558.2	CLOSTRIDIUM DIFFICILE					1	1	1			1			2		2		8	1	6	4	4	2	6	10	5	6		60
007.8	CRYPTOSPORIDIOSIS				1							2	1																4
008.0	E. COLI 0157				3		1		1					1								1							7
007.1	GIARDIA LAMBLIA				1	2					1		1	1	1	1		1											9
070.1	HEPATITIS A																	1											1
070.51	HEPATITIS C											1	2	1	5	1	2	3	1	3		2	1	1					23
482.83	LEGIONELLA																	1					1						2
084	MALARIA													1				1		1						1			4
B95.6	MRSA	1	4	16	14	6	10	11	10	12	11	9	7	13	10	15	12	16	23	12	14	12	11	10	9	13	8		289
120	PARASITIC DISEASES, OTHER*			1	2								1		1														5
033.0	PERTUSSIS		1																										1
038.2	PNEUM. SEPTICEMIA											1				1	1	1					1		1		3		9
082.0	RICKETTSIA RICKETTSII																	1											1
003.0	SALMONELLA			1	1	1	1			1		1	1					1	1					1			1		11
004	SHIGELLOSIS			1		1	1	1																					4
041.1	STREP PYOGENES - OTHER ST												1		1			1	1	1						1			6
127.2	STRONGYLOIDIASIS				1	1																							2
086	TRYPANOSOMIASIS																		1										1
013-018	TUBERCULOSIS - NON-RESP.													1				1											2
011-012	TUBERCULOSIS - RESP											1				2				1		1	1						6
B96.8	VANCOMYCIN RES. ENTER.					1								1	2	1	1	2	3	11	11	10	13	18	22	8			104
008.44	YERSINIA ENTEROCOLITICA															1													1
		2	5	22	27	12	17	13	11	14	15	18	15	23	17	31	20	35	36	29	37	31	30	34	40	42	28		605

* Parasitic diseases other than amoebiasis, cryptosporidiosis, cyclosporiasis, fish tapeworm, giardiasis, malaria, strongyloidiasis, toxoplasmosis, trichinosis and trypanosomiasis.

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR JUNE 2012

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
038.0	BETA STREP SEPTICEMIA	6	1			1	1			2		1											12
116.0	BLASTOMYCOSIS	1																					1
008.43	CAMPYLOBACTER	10	1			4		3		3		10		4				2					37
558.2	CLOSTRIDIUM DIFFICILE	33	4		1		3		5		3		4		4		2		1				60
007.8	CRYPTOSPORIDIOSIS	3												1									4
008.0	E. COLI 0157	1						1		1				4									7
007.1	GIARDIA LAMBLIA	8	1																				9
070.1	HEPATITIS A	1																					1
070.51	HEPATITIS C	15				1		1		1		2		1				1			1		23
482.83	LEGIONELLA	1			1																		2
084	MALARIA	3								1													4
B95.6	MRSA	110	4	3	6		4		10		6	2	5	3	6	7	11	85	27				289
120	PARASITIC DISEASES, OTHER***	3				1						1											5
033.0	PERTUSSIS									1													1
038.2	PNEUM. SEPTICEMIA	4				2				2								1					9
082.0	RICKETTSIA RICKETTSII	1																					1
003.0	SALMONELLA	8				1	1					1											11
004	SHIGELLOSIS													3		1							4
041.1	STREP PYOGENES - OTHER ST	2			1		1		1					1									6
127.2	STRONGYLOIDIASIS	2																					2
086	TRYPANOSOMIASIS					1																	1
013-018	TUBERCULOSIS - NON-RESP.	1																1					2
011-012	TUBERCULOSIS - RESP	3																1	2				6
B96.8	VANCOMYCIN RES. ENTER.	80	1		2		3		1		1		5	1			3		7				104
008.44	YERSINIA ENTEROCOLITICA	1																					1
		297	14	3	11		22	2	22		21	2	30	4	24	7	17	89	39		1		605

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

** OOP=Out of Province

*** Parasitic diseases other than amoebiasis, cryptosporidiosis, cyclosporiasis, fish tapeworm, giardiasis, malaria, strongyloidiasis, toxoplasmosis, trichinosis and trypanosomiasis.

STBBI Infection Summary Report - June 2012

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2011	2012	2011	2012
All Chlamydia Infections	597	533	3403	3325
All Gonorrhea Infections (including PRNG)	87	122	455	644
All Syphilis Infections*	11	4	25	35
Gonorrhea & Chlamydia Co-infections	40	53	216	258
HIV	6	10	39	42

Total Number of STBBI Cases by Age and Gender - June 2012

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							2	1	114	42	90	62	52	34	29	27	14	7	2	1		2					1	480
Gonorrhea Only Cases									11	4	12	9	8	6	6	3	1	6		2							1	69
Syphilis Only Cases					1										2		1											4
GC and CT Cases									17	5	14	5	2	5	1	3		1										53
TOTAL					1		2	1	142	51	116	76	62	45	38	33	16	14	2	3		2					2	606
HIV									1						2	2		3		1		1						10

Regional STBBI Distribution - June 2012

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	250	15	19	16		8	10	19	7	26		14	7	27	5	18	59	19	4	10		533
All Gonorrhea Infections	78		4	1		1	1	5		3			1		2	2	15	5	2	2		122
All Syphilis Infections	3	1																				4
GC and CT Infections	26		3	1		1	1	3		3					1	1	10	1	1			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 July 31, 2012

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 2012.

- The number of reported cases of MRSA was above the statistically expected range in July 2012: 408 positive lab-confirmed cases reported; less than 407 expected in an average month.

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

There were 702 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in July 2012:

- 565 reported cases of chlamydia (CT) only
- 62 reported cases of gonorrhoea (GC) only
- 64 reported co-infections of CT and GC and
- 11 reported cases of syphilis

Chlamydia has the highest incidence of reported STBBI. Females between the ages of 15 and 24 years comprised 41% 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 2012, there were no acute cases of Hepatitis B virus (HBV), 30 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 July 2012 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Listeriosis: 3 positive lab-confirmed cases reported; less than 3 expected in an average month.
- Parasitic Diseases, Other*: 1 positive lab-confirmed case reported; less than 1 expected in an average month.
- Shigellosis: 8 positive lab-confirmed cases reported; less than 7 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, 2007-2011.

**Parasitic diseases other than amoebiasis, cryptosporidiosis, cyclosporiasis, fish tapeworm, giardiasis, malaria, strongyloidiasis, toxoplasmosis, trichinosis and trypanosomiasis.*

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 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
006.9	AMEBIASIS	1	1	3	0-6	13	22
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1		
005.8	B. CEREUS			0	0-2		
320.1	BAC. MENINGITIS - PNEUM	1		0	0-1	1	3
320.7	BAC.MENINGITIS-LISTERIA				***	1	
038.0	BETA STREP SEPTICEMIA	14	19		***	84	112
116.0	BLASTOMYCOSIS		1		***	2	6
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1	1	1
005.2	C. PERFRINGENS			0	0-1	2	1
008.43	CAMPYLOBACTER	35	33	27	14-40	159	127
558.2	CLOSTRIDIUM DIFFICILE	66	68		***	540	502
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS		4	5	0-22	12	24
061.0	DENGUE FEVER			0	0-1	3	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP	1		2	0-6	6	3
008.0	E. COLI-VEROTOXIGENIC	6	4	9	0-33	32	22
054.3	ENCEPHALITIS			0	0-0	1	
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	5	10	13	3-23	51	59
038.42	H.INFLUENZAE (BLOOD)		1		***	2	9
320.0	H.INFLUENZAE (CSF)			0	0-1	1	3
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1	1	
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A		2	1	0-2	6	3
070.3	HEPATITIS B	1		0	0-1	5	
070.51	HEPATITIS C	23	30	27	16-38	172	219
487.1A	INFLUENZA A				***	113	66
487.1B	INFLUENZA B				***	12	214
482.83	LEGIONELLA			0	0-1	3	2
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		
027.0	LISTERIA MONOCYTOGENES	2	3	0	0-2	3	4
088.81	LYME DISEASE	1		1	0-4	4	
084	MALARIA	1	2	1	0-3	11	10
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1	1	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		
B95.6	MRSA	346	408	265	124-406	1790	2041
072.9	MUMPS		1	0	0-1	9	7
036.89	N.MENINGITIDIS OTHER			0	0-1	1	
728.86	NECROTIZING FASCIITIS	1		1	0-4	4	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
120	PARASITIC DISEASES, OTHER****		1	0	0-0		10
033.0	PERTUSSIS	4	8	4	0-9	15	17
038.2	PNEUM. SEPTICEMIA	1	5	7	1-13	78	89

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

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

*** Data collected for less than 5 years.

**** Parasitic diseases other than amoebiasis, cryptosporidiosis, cyclosporiasis, fish tapeworm, giardiasis, malaria, strongyloidiasis, toxoplasmosis, trichinosis and trypanosomiasis.

SUMMARY OF COMMUNICABLE DISEASE FOR June 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-0	1	
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII				***		1
083.9	RICKETTSIAL DISEASE, OTHER			0	0-1	1	
056.9C	RUBELLA (confirmed)			0	0-1		1
771.0	RUBELLA CONGENITAL			0	0-0	1	
041.2	S.PNEUM.OTHER		1	1	0-3	8	10
003.0	SALMONELLA	15	19	20	7-33	116	97
079.82	SARS (CORONAVIRUS)				***		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	3	8	2	0-6	20	37
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	7	3		***	60	53
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0	1	
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES	4		1	0-4	22	13
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-0	1	2
124	TRICHINOSIS			0	0-1		
086	TRYPANOSOMA CRUZI	1	1	0	0-2	6	3
013-018	TUBERCULOSIS - NON-RESP.	3	3	3	0-7	14	14
010	TUBERCULOSIS - PRIM.		3	1	0-3	5	7
011-012	TUBERCULOSIS - RESP	11	4	10	4-16	51	51
021.9	TULAREMIA		1	0	0-1		1
002.0	TYPHOID		1	0	0-1	4	3
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	103	96		***	626	884
005.4	VIBRIO PARAHAEMOLYTICUS				***		1
070.59	VIRAL HEP. OTHER				***		1
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.41	WNV NEUROLOGICAL		1		***		1
008.44	YERSINIA ENTEROCOLITICA			1	0-3	7	8
		656	742			4083	4766

* 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 2012

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		2	4	1	3	1	1	2				19
116.0	BLASTOMYCOSIS													1															1
008.43	CAMPYLOBACTER			1	2	1	1		1	1	3	1	2		2	2	3	3	2		2		4	1		1			33
558.2	CLOSTRIDIUM DIFFICILE							1				1	1		3	3	2	2	5	7	3	5	4	7	8	7	9		68
007.8	CRYPTOSPORIDIOSIS				1					1					1			1											4
008.0	E. COLI 0157								1	1			1				1												4
007.1	GIARDIA LAMBLIA					3	1		2							1			3										10
038.42	H.INFLUENZAE (BLOOD)							1																					1
070.1	HEPATITIS A			1				1																					2
070.51	HEPATITIS C											1		3	1	3	4		7	1	6		3			1			30
027.0	LISTERIA MONOCYTOGENES																					1		1		1			3
084	MALARIA															1				1									2
B95.6	MRSA	6	7	20	38	25	28	14	8	18	8	14	23	12	8	19	23	16	21	14	18	16	14	9	10	9	10		408
072.9	MUMPS																				1								1
120	PARASITIC DISEASES, OTHER*			1																									1
033.0	PERTUSSIS	1	2					3				1						1											8
038.2	PNEUM. SEPTICEMIA			1								1										1	1			1			5
003.0	SALMONELLA				2		2		1	1						1	2	1	5		2		1				1		19
004	SHIGELLOSIS			1		3	1	1	1											1									8
041.1	STREP PYOGENES - OTHER ST			1								1												1					3
041.2	STREP.PNEUM.OTHER																			1									1
086	TRYPANOSOMIASIS																				1								1
013-018	TUBERCULOSIS - NON-RESP.											1				1			1										3
010	TUBERCULOSIS - PRIM.				1		1	1																					3
011-012	TUBERCULOSIS - RESP											1				1	2												4
021.9	TULAREMIA			1																									1
002.0	TYPHOID			1																									1
B96.8	VANCOMYCIN RES. ENTER.											1				2		4	4	8	6	3	14	7	17	16	14		96
066.41	WNV NEUROLOGICAL SYNDROME																			1									1
		7	11	28	44	32	34	20	16	22	11	22	28	18	14	32	39	30	48	34	45	27	45	25	38	37	35		742

* Parasitic diseases other than amoebiasis, cryptosporidiosis, cyclosporiasis, fish tapeworm, giardiasis, malaria, strongyloidiasis, toxoplasmosis, trichinosis and trypanosomiasis.

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR JULY 2012

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	16								1				1				1					19
116.0	BLASTOMYCOSIS	1																					1
008.43	CAMPYLOBACTER	7	2				7		3	5		4		4				1					33
558.2	CLOSTRIDIUM DIFFICILE	35	3		7		2		6	6		3		2		1		3					68
007.8	CRYPTOSPORIDIOSIS	2					2																4
008.0	E. COLI 0157	1			1	1				1													4
007.1	GIARDIA LAMBLIA	5	1				1			1		1				1							10
038.42	H.INFLUENZAE (BLOOD)																				1		1
070.1	HEPATITIS A									2													2
070.51	HEPATITIS C	22	1		1			1		1		1		1		2							30
027.0	LISTERIA MONOCYTOGENES	2												1									3
084	MALARIA	2																					2
B95.6	MRSA	138	1	2	11		4	1	11	7		10	2	5		16	76	123				1	408
072.9	MUMPS	1																					1
120	PARASITIC DISEASES, OTHER***				1																		1
033.0	PERTUSSIS	1			1							1			1		4						8
038.2	PNEUM. SEPTICEMIA	3											1				1						5
003.0	SALMONELLA	14	2				1			1		1											19
004	SHIGELLOSIS													2		5					1		8
041.1	STREP PYOGENES - OTHER ST						1									1		1					3
041.2	STREP.PNEUM.OTHER				1																		1
086	TRYPANOSOMIASIS									1													1
013-018	TUBERCULOSIS - NON-RESP.	2															1						3
010	TUBERCULOSIS - PRIM.	2								1													3
011-012	TUBERCULOSIS - RESP									1	1						2						4
021.9	TULAREMIA	1																					1
002.0	TYPHOID	1																					1
B96.8	VANCOMYCIN RES. ENTER.	56	11		1		6		6	3		7		1				5					96
066.41	WNV NEUROLOGICAL SYNDROME	1																					1
		314	21	2	24	1	24	2	26	1	31		28	2	18	1	26	84	134			3	742

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

** OOP=Out of Province

*** Parasitic diseases other than amoebiasis, cryptosporidiosis, cyclosporiasis, fish tapeworm, giardiasis, malaria, strongyloidiasis, toxoplasmosis, trichinosis and trypanosomiasis.

2012-09-13

STBBI Infection Summary Report - July 2012

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2011	2012	2011	2012
All Chlamydia Infections	485	629	3888	3955
All Gonorrhea Infections (including PRNG)	81	126	536	770
All Syphilis Infections*	6	11	31	46
Gonorrhea & Chlamydia Co-infections	30	64	246	322
HIV	6	6	45	45

Total Number of STBBI Cases by Age and Gender - July 2012

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		108	47	126	79	62	27	47	29	10	15	4	2	1		1					565
Gonorrhea Only Cases									11	6	12	5	5	7	4	6		5		1								62
Syphilis Only Cases												2		2	1	2		1	1	1		1						11
GC and CT Cases									17	4	16	9	4	7	2	1		3		1								64
TOTAL							7		136	57	154	95	71	43	54	38	10	24	5	5	1	1	1					702
HIV																1	1	1	1	2								6

Regional STBBI Distribution - July 2012

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	329	30	16	20		13	13	17	5	24		23	2	16	3	24	62	24	2	6		629
All Gonorrhea Infections	80	2	1	2			3	2	1	6		2		2		2	16	6		1		126
All Syphilis Infections	10					1																11
GC and CT Infections	35	1	1	2			1	2	1	1		1		1		2	13	2		1		64

* 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, 2012

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 August 2012.

- The number of reported cases of MRSA was above the statistically expected range in August 2012: 440 positive lab-confirmed cases reported; less than 411 expected in an average month.

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

There were 661 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in August 2012:

- 510 reported cases of chlamydia (CT) only
- 76 reported cases of gonorrhoea (GC) only
- 70 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% 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 2012, there were no acute cases of Hepatitis B virus (HBV), 20 cases of Hepatitis C virus (HCV) and 9 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in August 2012 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.
- Leprosy: 1 positive lab-confirmed case reported; less than 1 expected in an average month.
- Pertussis: 15 positive lab-confirmed cases reported; less than 11 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, 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 August 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
006.9	AMEBIASIS	5	1	2	0-6	18	23
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1		
005.8	B. CEREUS			0	0-2		
320.1	BAC. MENINGITIS - PNEUM	1		0	0-1	2	3
320.7	BAC.MENINGITIS-LISTERIA				***	1	
038.0	BETA STREP SEPTICEMIA	18	33		***	102	145
116.0	BLASTOMYCOSIS	3	2		***	5	8
005.1	BOTULISM				***		
023	BRUCELLOSIS	1		0	0-1	2	1
005.2	C. PERFRINGENS			0	0-1	2	1
008.43	CAMPYLOBACTER	40	42	29	16-42	199	169
558.2	CLOSTRIDIUM DIFFICILE	67	53		***	607	555
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	7	9	0-27	13	31
061.0	DENGUE FEVER		1	0	0-0	3	2
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1		
032	DIPHThERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP			1	0-4	6	3
008.0	E. COLI-VEROTOXIGENIC	6	1	8	0-32	38	25
054.3	ENCEPHALITIS			0	0-0	1	
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	14	14	12	2-22	65	73
038.42	H.INFLUENZAE (BLOOD)	3			***	5	9
320.0	H.INFLUENZAE (CSF)			0	0-1	1	3
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1	1	
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	1	1	1	0-2	7	3
070.3	HEPATITIS B			0	0-1	5	
070.51	HEPATITIS C	35	20	28	20-36	207	239
487.1A	INFLUENZA A				***	113	66
487.1B	INFLUENZA B		1		***	12	215
482.83	LEGIONELLA			0	0-1	3	2
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY		1	0	0-0		1
027.0	LISTERIA MONOCYTOGENES			1	0-3	3	4
088.81	LYME DISEASE			1	0-3	6	2
084	MALARIA	3	1	1	0-3	14	11
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-0	1	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		
B95.6	MRSA	355	440	292	174-410	2144	2481
072.9	MUMPS			0	0-1	9	7
036.89	N.MENINGITIDIS OTHER			0	0-1	1	
728.86	NECROTIZING FASCIITIS			1	0-4	4	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	4	15	4	0-10	19	32
038.2	PNEUM. SEPTICEMIA	5	11	6	1-11	83	100
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 mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE FOR August 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
083.0	Q FEVER			0	0-0	1	
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII				***		
083.9	RICKETTSIAL DISEASE, OTHER			0	0-1	1	
056.9C	RUBELLA (confirmed)			0	0-0		1
771.0	RUBELLA CONGENITAL			0	0-0	1	
041.2	S.PNEUM.OTHER			1	0-3	8	10
003.0	SALMONELLA	14	19	19	7-31	130	117
079.82	SARS (CORONAVIRUS)				***		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	2	6	3	0-7	22	43
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	6		***	68	59
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0	1	
481	STREPTOCOCCUS PNEUMONIAE		1	0	0-1		1
127.2	STRONGYLOIDES	4	1	2	0-5	26	14
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-0	1	2
124	TRICHINOSIS			0	0-1		
086	TRYPANOSOMA CRUZI			0	0-2	6	3
013-018	TUBERCULOSIS - NON-RESP.	4	2	3	0-5	18	15
010	TUBERCULOSIS - PRIM.	1		1	0-3	6	7
011-012	TUBERCULOSIS - RESP	6	11	9	3-15	57	62
021.9	TULAREMIA			0	0-1		1
002.0	TYPHOID		1	0	0-1	4	4
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	119	118		***	745	1002
005.4	VIBRIO PARAHAEMOLYTICUS				***		1
070.59	VIRAL HEP. OTHER				***		1
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.41	WNV NEUROLOGICAL		5		***		7
008.44	YERSINIA ENTEROCOLITICA	1	1	1	0-4	8	9
		721	815			4805	5574

* 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 2012

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	2			1		1						2	1	4		1	6	3	2	3	1	1	4		33
116.0	BLASTOMYCOSIS		1		1																								2
008.43	CAMPYLOBACTER					2	3	1	1	1	3	1	3	2	2	1	2	3	2	4	3	1	1	3	2	1			42
558.2	CLOSTRIDIUM DIFFICILE				1					1				1		1	2		7	4	5	3	10	3	4	11			53
007.8	CRYPTOSPORIDIOSIS				1	1	1					2		1				1											7
061.0	DENGUE FEVER													1															1
008.0	E. COLI 0157											1																	1
007.1	GIARDIA LAMBLIA			2	1	3						2				2	2		1	1									14
070.1	HEPATITIS A							1																					1
070.51	HEPATITIS C											1	4		1	6	1		4	1	1	1							20
487.1B	INFLUENZA B																		1										1
030.9	LEPROSY																					1							1
084	MALARIA																	1											1
B95.6	MRSA	5	5	23	23	26	15	14	15	16	12	22	16	20	18	20	30	20	32	13	25	15	13	7	12	14	9		440
033.0	PERTUSSIS	4	3	1	3		3							1															15
038.2	PNEUM. SEPTICEMIA			1								2		1		2	1			1	1		1	1					11
003.0	SALMONELLA		2	2	1				1	2	1			1	2	1				1	1		1	1	2				19
004	SHIGELLOSIS			2	1		1		1					1															6
041.1	STREP PYOGENES - OTHER ST					1						1						1	1	1						1			6
481	STREP. PNEUMONIAE PNEUMON																	1											1
127.2	STRONGYLOIDIASIS															1													1
013-018	TUBERCULOSIS - NON-RESP.											1						1											2
011-012	TUBERCULOSIS - RESP.							1		1	1			1	1	1	1		2		1		1						11
002.0	TYPHOID															1													1
B96.8	VANCOMYCIN RES. ENTER.		1						2			1	1					5	6	8	9	8	9	16	11	23	18		118
066.41	WNV Neurological Syndrome															1				1		1	1		1				5
008.44	YERSINIA ENTEROCOLITICA													1															1
		9	12	32	34	33	23	17	18	23	18	32	23	32	25	31	48	37	47	40	51	36	31	43	31	46	43		815

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR AUGUST 2012

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	16			2		1		2		2		3	1	1		1	3	1				33
116.0	BLASTOMYCOSIS	1																				1	2
008.43	CAMPYLOBACTER	17		1			6		4		2		9			2		1					42
558.2	CLOSTRIDIUM DIFFICILE	23	7		2		3	1			6		8		2			1					53
007.8	CRYPTOSPORIDIOSIS	2					3				1				1								7
061.0	DENGUE FEVER	1																					1
008.0	E. COLI 0157	1																					1
007.1	GIARDIA LAMBLIA	8			1		1		1		2		1										14
070.1	HEPATITIS A	1																					1
070.51	HEPATITIS C	13	1					1			2				1		1	1					20
487.1B	INFLUENZA B												1										1
030.9	LEPROSY	1																					1
084	MALARIA	1																					1
B95.6	MRSA	153	5	6	4		5		13	2	10		5	5	10	10	9	155	47			1	440
033.0	PERTUSSIS	3									8		2		1			1					15
038.2	PNEUM. SEPTICEMIA	6						1					1		1			2					11
003.0	SALMONELLA	12	1		1		1						2		2								19
004	SHIGELLOSIS	1	1												1		2		1				6
041.1	STREP PYOGENES - OTHER ST		1								1		1		1			1	1				6
481	STREP. PNEUMONIAE PNEUMON										1												1
127.2	STRONGYLOIDIASIS	1																					1
013-018	TUBERCULOSIS - NON-RESP.	2																					2
011-012	TUBERCULOSIS - RESP.	4					1				3							3					11
002.0	TYPHOID	1																					1
B96.8	VANCOMYCIN RES. ENTER.	65	12		2		4		8		4		11		3		5	1	2			1	118
066.41	WNV Neurological Syndrome	1	1						1		2												5
008.44	YERSINIA ENTEROCOLITICA	1																					1
		336	29	7	12		25	3	29	2	44		44	6	24	10	20	167	54			3	815

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

** OOP=Out of Province

STBBI Infection Summary Report - August 2012

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2011	2012	2011	2012
All Chlamydia Infections	598	580	4486	4535
All Gonorrhea Infections (including PRNG)	106	146	642	916
All Syphilis Infections*	9	5	41	51
Gonorrhea & Chlamydia Co-infections	44	70	290	392
HIV	7	9	52	54

Total Number of STBBI Cases by Age and Gender - August 2012

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	1	118	44	114	56	51	35	38	30	4	9		4								510
Gonorrhea Only Cases								1	12	5	11	9	10	6	3	7	4	2		6								76
Syphilis Only Cases														1					2		1		1					5
GC and CT Cases							3		12	11	12	12	5	5	4	4	1		1									70
TOTAL		1					8	2	142	60	137	77	66	47	45	41	9	11	2	11	1		1					661
HIV					1								1		1	1		2		1	1	1						9

Regional STBBI Distribution - August 2012

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	317	24	15	10	1	9	12	15	7	28		10	5	10	6	23	52	27		9		580
All Gonorrhea Infections	94		3	3		1	3	2		6		1	1	1		6	16	7		2		146
All Syphilis Infections	5																					5
GC and CT Infections	40		3	2				2		4			1			4	10	4				70

* 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, 2012

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 62% of all non-STBBI related communicable diseases reported to Manitoba Health during September 2012.

- The number of reported cases of MRSA was above the statistically expected range in September 2012: 398 positive lab-confirmed cases reported; less than 390 expected in an average month.

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

There were 628 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in September 2012:

- 483 reported cases of chlamydia (CT) only
- 73 reported cases of gonorrhoea (GC) only
- 63 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 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 September 2012, there were no acute cases of Hepatitis B virus (HBV), 25 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 September 2012 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Pertussis: 19 positive lab-confirmed cases reported; less than 8 expected in an average month. The increased number of cases is attributable to community clusters in southern Manitoba. Investigations are ongoing.
- Shigellosis: 13 positive lab-confirmed cases reported; less than 10 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, 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 September 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
006.9	AMEBIASIS	5	5	3	0-6	23	28
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1		
005.8	B. CEREUS			0	0-2		
320.1	BAC. MENINGITIS - PNEUM			0	0-1	2	3
320.7	BAC.MENINGITIS-LISTERIA				***	1	
038.0	BETA STREP SEPTICEMIA	14	14		***	116	159
116.0	BLASTOMYCOSIS	2	2		***	7	9
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1	2	1
005.2	C. PERFRINGENS	1		0	0-1	3	1
008.43	CAMPYLOBACTER	40	27	28	15-41	239	196
558.2	CLOSTRIDIUM DIFFICILE	85	61		***	692	615
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	3	8	9	0-26	16	39
061.0	DENGUE FEVER			0	0-0	3	2
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1		
032	DIPHThERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP			1	0-4	6	3
008.0	E. COLI-VEROTOXIGENIC	9	6	8	0-32	47	31
054.3	ENCEPHALITIS			0	0-0	1	
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	13	15	11	1-21	78	88
038.42	H.INFLUENZAE (BLOOD)	1			***	6	9
320.0	H.INFLUENZAE (CSF)			0	0-0	1	3
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1	1	
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A			1	0-3	7	3
070.3	HEPATITIS B			0	0-1	5	
070.51	HEPATITIS C	30	25	27	17-37	237	264
487.1A	INFLUENZA A		3		***	113	69
487.1B	INFLUENZA B				***	12	215
482.83	LEGIONELLA			0	0-1	3	2
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		1
027.0	LISTERIA MONOCYTOGENES			0	0-1	3	4
088.81	LYME DISEASE	1		1	0-3	7	2
084	MALARIA	3	2	2	0-5	17	13
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-0	1	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		
B95.6	MRSA	321	398	299	209-389	2465	2879
072.9	MUMPS			0	0-1	9	7
036.89	N.MENINGITIDIS OTHER			0	0-1	1	
728.86	NECROTIZING FASCIITIS	1		1	0-4	5	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	7	19	2	0-7	26	51
038.2	PNEUM. SEPTICEMIA	8	7	9	1-17	91	107
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 mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE FOR September 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
083.0	Q FEVER			0	0-0	1	
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII				***		
083.9	RICKETTSIAL DISEASE, OTHER			0	0-0	1	
056.9C	RUBELLA (confirmed)			0	0-0		1
771.0	RUBELLA CONGENITAL			0	0-0	1	
041.2	S.PNEUM.OTHER	3		1	0-3	11	10
003.0	SALMONELLA	10	15	18	3-33	140	133
079.82	SARS (CORONAVIRUS)				***		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS		13	3	0-9	22	56
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	11	11		***	79	70
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0	1	
481	STREPTOCOCCUS PNEUMONIAE			0	0-0		1
127.2	STRONGYLOIDES	5		2	0-5	31	14
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-1	1	2
124	TRICHINOSIS			0	0-1		
086	TRYPANOSOMA CRUZI	1		0	0-1	7	3
013-018	TUBERCULOSIS - NON-RESP.	2	2	2	0-4	20	17
010	TUBERCULOSIS - PRIM.	1	1	1	0-3	7	7
011-012	TUBERCULOSIS - RESP	8	10	8	0-16	65	73
021.9	TULAREMIA	1		0	0-1	1	1
002.0	TYPHOID			1	0-2	4	4
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	109	99		***	854	1101
005.4	VIBRIO PARAHAEMOLYTICUS		1		***		2
070.59	VIRAL HEP. OTHER				***		1
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.41	WNV NEUROLOGICAL		2		***		10
008.44	YERSINIA ENTEROCOLITICA	2		1	0-4	10	9
		697	746			5502	6320

* 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 2012

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		2										5
038.0	BETA STREP SEPTICEMIA	2	1											2			1	1				1	2		1	2	1		14
116.0	BLASTOMYCOSIS												1													1			2
008.43	CAMPYLOBACTER	2			2		3				1	1	1		1	1		2	1	3	3	3	2			1			27
558.2	CLOSTRIDIUM DIFFICILE	1		1				1		1		2	1	1	1	5	1	1	1	7	1	3	7	11	5	5	5		61
007.8	CRYPTOSPORIDIOSIS			1				1	1			1				2				1			1						8
008.0	E. COLI 0157					1				2					2							1							6
007.1	GIARDIA LAMBLIA				1	1	2	1		2						1	2	1	1		1		1						15
070.51	HEPATITIS C													1	1	4	3	1	4	3	4		4						25
487.1A	INFLUENZA A																					1			1	1			3
084	MALARIA												1		1														2
B95.6	MRSA	13	11	27	21	11	7	17	10	16	15	16	11	9	14	20	22	16	26	18	20	15	14	4	14	19	12		398
033.0	PERTUSSIS	2	5	3	1	2	1		1						2					1		1							19
038.2	PNEUM. SEPTICEMIA	1			1															1			1		1	1	1		7
003.0	SALMONELLA	1			1					1	2	1	1	1		1		1	1				1		2		1		15
004	SHIGELLOSIS		2		1	2		1						1		2		1	2				1						13
041.1	STREP PYOGENES - OTHER ST		1				1			1				1			1	1	2	3									11
013-018	TUBERCULOSIS - NON-RESP.											1				1													2
010	TUBERCULOSIS - PRIM.			1																									1
011-012	TUBERCULOSIS - RESP.									1			1			1		2	3		1		1						10
B96.8	VANCOMYCIN RES. ENTER.							1						1	2	1			1	1	9	5	11	10	11	26	20		99
005.4	VIBRIO PARAHAEMOLYTICUS																					1							1
066.41	WNV Neurological Syndrome							1														1							2
		22	20	34	28	18	14	21	15	21	19	22	18	16	25	40	30	26	41	40	42	32	46	25	35	56	40		746

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR SEPTEMBER 2012

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	2																				5
038.0	BETA STREP SEPTICEMIA	6					1	1			2				3				1				14
116.0	BLASTOMYCOSIS	1					1																2
008.43	CAMPYLOBACTER	9	1				2		6		4		4							1			27
558.2	CLOSTRIDIUM DIFFICILE	32	4		1		5		10		2		3				3		1				61
007.8	CRYPTOSPORIDIOSIS	3					1				3	1											8
008.0	E. COLI 0157	3			1		1		1														6
007.1	GIARDIA LAMBLIA	8					3		1		1		1					1					15
070.51	HEPATITIS C	20							2		1				1						1		25
487.1A	INFLUENZA A	3																					3
084	MALARIA	1							1														2
B95.6	MRSA	114	3	6	9		5	6	14	1	7	1	9	5	12	3	13	131	59				398
033.0	PERTUSSIS	3									10		2					4					19
038.2	PNEUM. SEPTICEMIA		1				1		1		1				1		1	1					7
003.0	SALMONELLA	6	1	1	1		2		1	1	1							1					15
004	SHIGELLOSIS														3		5	4	1				13
041.1	STREP PYOGENES - OTHER ST	4	1		1				1		1							1	2				11
013-018	TUBERCULOSIS - NON-RESP.	2																					2
010	TUBERCULOSIS - PRIM.																	1					1
011-012	TUBERCULOSIS - RESP.	5	1															4					10
B96.8	VANCOMYCIN RES. ENTER.	49	3		3		3		16		9		7		2			1	6				99
005.4	VIBRIO PARAHAEMOLYTICUS	1																					1
066.41	WNV Neurological Syndrome	2																					2
		275	17	7	16		25	7	54	2	42	2	26	5	22	3	22	148	71	1	1		746

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

** OOP=Out of Province

STBBI Infection Summary Report - September 2012

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2011	2012	2011	2012
All Chlamydia Infections	622	546	5108	5082
All Gonorrhea Infections (including PRNG)	122	136	764	1053
All Syphilis Infections*	3	9	44	61
Gonorrhea & Chlamydia Co-infections	47	63	337	456
HIV	7	6	59	65

Total Number of STBBI Cases by Age and Gender - September 2012

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	121	38	103	49	60	32	31	22	7	10	1	1								483
Gonorrhea Only Cases							3		12	3	13	12	7	9	2	5		3		3		1						73
Syphilis Only Cases												2		1		1		2		1		1						9
GC and CT Cases							1		16	6	8	15	6	1	4	4				1		1						63
TOTAL							11	1	149	47	124	78	73	43	37	32	7	15	1	6		3		1				628
HIV															2		2	1		1								6

Regional STBBI Distribution - September 2012

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	281	15	12	9	2	6	14	16	6	23		5	1	17	2	33	71	21	1	10	1	546
All Gonorrhea Infections	64	2	5	3			7	11	3	4				4		12	14	7				136
All Syphilis Infections	7						1											1				9
GC and CT Infections	25		4	2			4	5	2	1				3		5	9	3				63

* 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, 2012

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 October 2012.

- The number of reported cases of MRSA was above the statistically expected range in October 2012: 392 positive lab-confirmed cases reported; less than 381 expected in an average month.

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

There were 666 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in October 2012:

- 555 reported cases of chlamydia (CT) only
- 54 reported cases of gonorrhoea (GC) only
- 46 reported co-infections of CT and GC and
- 11 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 October 2012, there were no acute cases of Hepatitis B virus (HBV), 33 cases of Hepatitis C virus (HCV) and 12 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in October 2012 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Amebiasis: 8 positive lab-confirmed cases reported; less than 6 expected in an average month.
- Pneumococcal meningitis: 2 positive lab-confirmed cases reported; less than 2 expected in an average month.
- Dengue fever: 1 positive lab-confirmed case reported; less than 1 expected in an average month.
- Hanta virus: 1 positive lab-confirmed case reported; less than 1 expected in an average month.
- Pertussis: 21 positive lab-confirmed cases reported; less than 8 expected in an average month. The increased number of cases is attributable to community clusters in northern and southern Manitoba. Investigations are ongoing.

- Shigellosis: 13 positive lab-confirmed cases reported; less than 10 expected in an average month.
- Trichinosis: 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 September, October, and November, 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 October 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
006.9	AMEBIASIS	2	8	2	0-5	25	36
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-0		
320.1	BAC. MENINGITIS - PNEUM		2	0	0-1	2	5
320.7	BAC.MENINGITIS-LISTERIA				***	1	
038.0	BETA STREP SEPTICEMIA	24	20		***	140	179
116.0	BLASTOMYCOSIS	1			***	8	9
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1	2	1
005.2	C. PERFRINGENS	1		0	0-1	4	1
008.43	CAMPYLOBACTER	21	30	23	6-40	260	226
558.2	CLOSTRIDIUM DIFFICILE	62	60		***	754	675
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS		2	7	0-19	16	41
061.0	DENGUE FEVER		1	0	0-0	3	3
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1		
032	DIPHThERIA CASES	1		0	0-1	1	
123.4	DIPHYLLOBOTHRIUM SPP	2		1	0-3	8	3
008.0	E. COLI-VEROTOXIGENIC	4	3	4	0-8	51	35
054.3	ENCEPHALITIS			0	0-0	1	
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	6	9	9	2-16	84	97
038.42	H.INFLUENZAE (BLOOD)	2	3		***	8	12
320.0	H.INFLUENZAE (CSF)			0	0-0	1	3
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1	1	
480.8	HANTA VIRUS		1	0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A		1	0	0-1	7	4
070.3	HEPATITIS B			0	0-2	5	
070.51	HEPATITIS C	27	33	27	15-39	264	296
487.1A	INFLUENZA A		3		***	113	72
487.1B	INFLUENZA B				***	12	214
482.83	LEGIONELLA	1	1	0	0-1	4	3
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		1
027.0	LISTERIA MONOCYTOGENES			0	0-1	3	4
088.81	LYME DISEASE			0	0-1	7	2
084	MALARIA	4	4	2	0-5	21	17
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-0	1	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		
B95.6	MRSA	322	392	277	174-380	2787	3269
072.9	MUMPS			0	0-1	9	7
036.89	N.MENINGITIDIS OTHER			0	0-1	1	
728.86	NECROTIZING FASCIITIS		1	1	0-3	5	1
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	3	21	2	0-7	30	80
038.2	PNEUM. SEPTICEMIA	7	15	11	1-21	98	122
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 mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE FOR October 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
083.0	Q FEVER			0	0-0	1	
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII				***		
083.9	RICKETTSIAL DISEASE, OTHER			0	0-0	1	
056.9C	RUBELLA (confirmed)			0	0-0		1
771.0	RUBELLA CONGENITAL			0	0-0	1	
041.2	S.PNEUM.OTHER	1		1	0-3	12	10
003.0	SALMONELLA	8	10	15	2-28	148	143
079.82	SARS (CORONAVIRUS)				***		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS		13	3	0-9	22	71
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	9		***	91	79
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0	1	
481	STREPTOCOCCUS PNEUMONIAE			0	0-0		1
127.2	STRONGYLOIDES	5	1	2	0-6	36	15
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS	2		0	0-1	3	2
124	TRICHINOSIS		2	0	0-0		2
086	TRYPANOSOMA CRUZI			0	0-1	6	4
013-018	TUBERCULOSIS - NON-RESP.	3	2	2	0-4	23	19
010	TUBERCULOSIS - PRIM.	0	1	1	0-3	7	8
011-012	TUBERCULOSIS - RESP	4	12	7	1-13	69	85
021.9	TULAREMIA			0	0-1	1	1
002.0	TYPHOID	2		1	0-3	6	4
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	137	120		***	991	1221
005.4	VIBRIO PARAHAEMOLYTICUS				***		2
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				***		10
008.44	YERSINIA ENTEROCOLITICA	1		1	0-4	11	9
		665	781			6167	7109

* 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 2012

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			2						1		1		1		1	1	1											8
320.1	BAC. MENINGITIS - PNEUM																		1		1								2
038.0	BETA STREP SEPTICEMIA	1	3											2				3		1	1	1	2	1	1	3	1		20
008.43	CAMPYLOBACTER		1			1	2	2		1	1	1	3		1	3	2	1	2	1	2	1	1	1	3				30
558.2	CLOSTRIDIUM DIFFICILE		2				1				2	1	1	1		1		3	3	7	2	6	5	6	2	10	7		60
007.8	CRYPTOSPORIDIOSIS											1	1																2
061.0	DENGUE FEVER		1																										1
008.0	E. COLI 0157			1				1								1													3
007.1	GIARDIA LAMBLIA			2	2									1	2						2								9
038.42	H.INFLUENZAE (BLOOD)				1										1											1			3
480.8	HANTA VIRUS																			1									1
070.1	HEPATITIS A										1																		1
070.51	HEPATITIS C										1	1	1		4	5		7	2	7		2	1				2		33
070.59	HEPATITIS OTHER (VIRAL)														1														1
487.1A	INFLUENZA A															1								1			1		3
482.83	LEGIONELLA																								1				1
084	MALARIA								1				1			1							1						4
B95.6	MRSA	4	8	21	14	13	13	13	10	18	18	14	10	12	7	31	16	25	19	20	13	22	12	10	18	16	15		392
728.86	NECROTIZING FASCIITIS																		1										1
033.0	PERTUSSIS	6	3	6	2			2	1						1														21
038.2	PNEUM. SEPTICEMIA													1		1	1	2	3		1	2	2		1		1		15
003.0	SALMONELLA		1		2				1	1		1							1		1	1		1					10
004	SHIGELLOSIS			3	2	1	3	1	1				1											1					13
041.1	STREP PYOGENES - OTHER ST															1	2	2	2		1		1						9
127.2	STRONGYLOIDIASIS												1																1
124	TRICHINOSIS					2																							2
013-018	TUBERCULOSIS - NON-RESP.												1			1													2
010	TUBERCULOSIS - PRIM.		1																										1
011-012	TUBERCULOSIS - RESP								1		2			1	1	1	2	1	1				1	1					12
B96.8	VANCOMYCIN RES. ENTER.									1	1	2	1	2	6	4	5	5	11	9	6	15	12	12	20	8			120
		11	20	35	23	17	19	19	14	22	22	23	23	20	13	54	36	43	44	43	38	42	42	35	38	50	33		781

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR OCTOBER 2012

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	5								2		1											8
320.1	BAC. MENINGITIS - PNEUM	2																					2
038.0	BETA STREP SEPTICEMIA	16	1	1				1										1					20
008.43	CAMPYLOBACTER	9	2		4		4	4	3		1							2	1				30
558.2	CLOSTRIDIUM DIFFICILE	30	1		3		5	6	6	1	2		6										60
007.8	CRYPTOSPORIDIOSIS	1							1														2
061.0	DENGUE FEVER	1																					1
008.0	E. COLI 0157	3																					3
007.1	GIARDIA LAMBLIA	4			2				2							1							9
038.42	H.INFLUENZAE (BLOOD)	2							1														3
480.8	HANTA VIRUS	1																					1
070.1	HEPATITIS A	1																					1
070.51	HEPATITIS C	19	1		2			3	1	2				1	1			1	1		1		33
070.59	HEPATITIS OTHER (VIRAL)	1																					1
487.1A	INFLUENZA A											3											3
482.83	LEGIONELLA	1																					1
084	MALARIA	3										1											4
B95.6	MRSA	132	10	3	2		4	4	7	2	9	4	6	5	5	15	8	165	10	1			392
728.86	NECROTIZING FASCIITIS					1																	1
033.0	PERTUSSIS	3				1				15						1		1					21
038.2	PNEUM. SEPTICEMIA	10										1	1					3					15
003.0	SALMONELLA	3	1			1		1		1	1	1						1					10
004	SHIGELLOSIS	1						1						1		1		8	1				13
041.1	STREP PYOGENES - OTHER ST	4		1		1		1										2					9
127.2	STRONGYLOIDIASIS	1																					1
124	TRICHINOSIS	2																					2
013-018	TUBERCULOSIS - NON-RESP.	2																					2
010	TUBERCULOSIS - PRIM.																	1					1
011-012	TUBERCULOSIS - RESP	3																9					12
B96.8	VANCOMYCIN RES. ENTER.	69	7		1		2	8	2	6	1	8	1	1	1			12	1				120
		329	23	4	15		19	7	30	4	48	7	24	8	14	17	10	206	14	1	1		781

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

** OOP=Out of Province

STBBI Infection Summary Report - October 2012

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2011	2012	2011	2012
All Chlamydia Infections	590	601	5698	5682
All Gonorrhea Infections (including PRNG)	110	100	874	1153
All Syphilis Infections*	5	11	49	74
Gonorrhea & Chlamydia Co-infections	52	46	389	502
HIV	8	12	67	73

Total Number of STBBI Cases by Age and Gender - October 2012

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	141	38	116	65	52	42	37	28	11	10	3	5								555
Gonorrhea Only Cases							1		8	2	8	3	7	8	2	5		8	1	1								54
Syphilis Only Cases										1		1		1		1		3	1	2				1				11
GC and CT Cases							1	14	2	11	2	3	3	2	4	1	1		1		1							46
TOTAL							7	2	163	43	135	71	62	54	41	38	12	22	5	9		1		1				666
HIV												2	2	1	1	2		2	1			1						12

Regional STBBI Distribution - October 2012

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	302	30	12	14		9	12	21	3	30	2	14	3	17	6	23	66	28	5	4		601
All Gonorrhea Infections	62	4		1		3	1	3		4		1	2	2		2	12	3				100
All Syphilis Infections	6	2		1										1			1					11
GC and CT Infections	29	1		1			1	2		2		1	1	2			4	2				46

* 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, 2012

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 2012.

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

There were 643 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in November 2012:

- 508 reported cases of chlamydia (CT) only
- 64 reported cases of gonorrhoea (GC) only
- 58 reported co-infections of CT and GC and
- 13 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 2012, there were no acute cases of Hepatitis B virus (HBV), 32 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 November 2012 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Pertussis: 21 positive lab-confirmed cases reported; less than 6 expected in an average month. The increased number of cases is attributable to community clusters in northern and southern Manitoba. Investigations are ongoing.
- Streptococcus pneumoniae, other sterile site: 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 October, November, and December, 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 November 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
006.9	AMEBIASIS	2	2	3	0-6	27	38
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-0		
320.1	BAC. MENINGITIS - PNEUM	2		0	0-1	4	5
320.7	BAC.MENINGITIS-LISTERIA				***	1	
038.0	BETA STREP SEPTICEMIA	14	15		***	154	194
116.0	BLASTOMYCOSIS		1		***	8	9
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1	2	1
005.2	C. PERFRINGENS			0	0-1	4	1
008.43	CAMPYLOBACTER	15	17	17	2-32	275	243
558.2	CLOSTRIDIUM DIFFICILE	88	69		***	842	741
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2	1	3	0-9	18	42
061.0	DENGUE FEVER			0	0-0	3	3
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1		
032	DIPHThERIA CASES			0	0-1	1	
123.4	DIPHYLLOBOTHRIUM SPP	1	1	1	0-3	9	4
008.0	E. COLI-VEROTOXIGENIC	3		3	0-6	54	35
054.3	ENCEPHALITIS			0	0-0	1	
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	12	6	9	4-14	96	103
038.42	H.INFLUENZAE (BLOOD)	3			***	11	10
320.0	H.INFLUENZAE (CSF)			0	0-0	1	3
041.5	H.INFLUENZAE (OTHER STERILE)		1	0	0-1	1	1
480.8	HANTA VIRUS			0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A			0	0-1	7	4
070.3	HEPATITIS B	2		0	0-1	7	
070.51	HEPATITIS C	28	32	27	13-41	292	329
487.1A	INFLUENZA A		6		***	113	78
487.1B	INFLUENZA B		3		***	12	218
482.83	LEGIONELLA			0	0-1	4	3
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		1
027.0	LISTERIA MONOCYTOGENES	1		0	0-1	4	4
088.81	LYME DISEASE			0	0-1	7	2
084	MALARIA	1	1	2	0-5	22	18
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF		1	0	0-1	1	2
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		
B95.6	MRSA	293	350	257	154-360	3080	3619
072.9	MUMPS			0	0-1	9	7
036.89	N.MENINGITIDIS OTHER			0	0-1	1	
728.86	NECROTIZING FASCIITIS			1	0-4	3	1
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS	1			***	1	
033.0	PERTUSSIS		21	2	0-5	30	101
038.2	PNEUM. SEPTICEMIA	2	8	11	0-23	100	130
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 mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE FOR November 2012

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
083.0	Q FEVER			0	0-1	1	
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII				***		
083.9	RICKETTSIAL DISEASE, OTHER			0	0-0	1	
056.9C	RUBELLA (confirmed)			0	0-0		1
771.0	RUBELLA CONGENITAL			0	0-0	1	
041.2	S.PNEUM.OTHER		5	1	0-3	12	15
003.0	SALMONELLA	12	15	15	3-27	160	159
079.82	SARS (CORONAVIRUS)				***		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	3	2	3	0-9	25	73
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	5	10		***	98	89
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		1
127.2	STRONGYLOIDES	5	2	2	0-6	41	17
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			1	0-3	3	3
124	TRICHINOSIS			0	0-0		2
086	TRYPANOSOMA CRUZI			0	0-0	6	4
013-018	TUBERCULOSIS - NON-RESP.	1	1	2	0-4	24	20
010	TUBERCULOSIS - PRIM.		1	0	0-2	7	9
011-012	TUBERCULOSIS - RESP	7	12	7	1-13	76	96
021.9	TULAREMIA			0	0-0	1	1
002.0	TYPHOID	1	1	1	0-3	7	5
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	126	111		***	1117	1334
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				***		10
008.44	YERSINIA ENTEROCOLITICA			1	0-2	11	9
		630	695			6797	7803

* 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 2012

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
036.0	BAC.MGTS-NMGTS(MGCCL MGTS)			1																									1
038.0	BETA STREP SEPTICEMIA											1		1		1		1	2	1	1	1		2	2	1	1		15
116.0	BLASTOMYCOSIS																			1									1
008.43	CAMPYLOBACTER		1	1				1		1				2	1	1	3			1	2	1	1			1			17
558.2	CLOSTRIDIUM DIFFICILE				1							1		2		4	3	4	1	5	3	9	4	6	4	14	8		69
007.8	CRYPTOSPORIDIOSIS				1																								1
123.4	DIPHYLLOBOTHRIUM															1													1
007.1	GIARDIA LAMBLIA			2	2	1														1									6
041.5	H.INFLUENZAE (OTHER STER															1													1
070.51	HEPATITIS C		1									2		1	1	5	4	5	1	5	1	4					2		32
487.1A	INFLUENZA A		1	2			1		1															1					6
487.1B	INFLUENZA B					1		1								1													3
084	MALARIA															1													1
B95.6	MRSA	4	8	19	17	11	9	12	8	12	13	10	14	20	5	26	20	15	23	19	13	10	13	15	5	16	13		350
033.0	PERTUSSIS	5	2	1	2	1	1		1	2	2			1	1	1		1											21
038.2	PNEUM. SEPTICEMIA											1				1				1		2	1			2			8
003.0	SALMONELLA			3	1	1	2		2					1	1			1			1				1		1		15
004	SHIGELLOSIS						2																						2
041.1	STREP PYOGENES - OTHER ST	1														1		1		1	1	1	1	1	1		1		10
041.2	STREP.PNEUM.OTHER			1															1	1			2						5
127.2	STRONGYLOIDIASIS					2																							2
013-018	TUBERCULOSIS - NON-RESP.											1																	1
010	TUBERCULOSIS - PRIM.				1																								1
011-012	TUBERCULOSIS - RESP									1		2		2	1	1	1	2		1				1					12
002.0	TYPHOID															1													1
B96.8	VANCOMYCIN RES. ENTER.									1		1	1	1		2	3	2	3	10	9	7	11	15	11	14	20		111
		10	13	30	25	17	15	14	12	16	16	17	17	26	12	42	36	33	38	41	35	33	37	40	26	47	45		695

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR NOVEMBER 2012

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
036.0	BAC.MGTS-NMGTS(MGCCL MGTS									1													1
038.0	BETA STREP SEPTICEMIA	10	1								1					1	2						15
116.0	BLASTOMYCOSIS	1																					1
008.43	CAMPYLOBACTER	3	1		1		5		1		1		4					1					17
558.2	CLOSTRIDIUM DIFFICILE	35	1		5		6		3		5	1	6		4		1	1	1				69
007.8	CRYPTOSPORIDIOSIS												1										1
123.4	DIPHYLLOBOTHRIUM	1																					1
007.1	GIARDIA LAMBLIA	4									1		1										6
041.5	H.INFLUENZAE (OTHER STER	1																					1
070.51	HEPATITIS C	26			1			1	1	1	1										1		32
487.1A	INFLUENZA A	5									1												6
487.1B	INFLUENZA B	3																					3
084	MALARIA	1																					1
B95.6	MRSA	121	5	4	2		6	5	6	3	5	5	3	2	6	11	15	142	9				350
033.0	PERTUSSIS	2									5					1		12	1				21
038.2	PNEUM. SEPTICEMIA	4	1					1	1									1					8
003.0	SALMONELLA	7			1		2				1	1	1		1		1						15
004	SHIGELLOSIS														1			1					2
041.1	STREP PYOGENES - OTHER ST	6							2								2						10
041.2	STREP.PNEUM.OTHER	3								1			1										5
127.2	STRONGYLOIDIASIS	2																					2
013-018	TUBERCULOSIS - NON-RESP.	1																					1
010	TUBERCULOSIS - PRIM.																	1					1
011-012	TUBERCULOSIS - RESP	4																7	1				12
002.0	TYPHOID	1																					1
B96.8	VANCOMYCIN RES. ENTER.	82	4	1	2		3	1	4		4		3		2			5					111
		324	13	5	12		22	8	18	6	26	7	20	2	14	12	20	172	13		1		695

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

** OOP=Out of Province

STBBI Infection Summary Report - November 2012

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2011	2012	2011	2012
All Chlamydia Infections	636	566	6334	6249
All Gonorrhea Infections (including PRNG)	100	122	974	1275
All Syphilis Infections*	2	13	51	30
Gonorrhea & Chlamydia Co-infections	38	58	427	560
HIV	8	8	75	77

Total Number of STBBI Cases by Age and Gender - November 2012

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		124	42	113	58	53	35	32	29	9	9		1								508
Gonorrhea Only Cases								2	7	3	11	2	10	7	5	10	1	2		3		1						64
Syphilis Only Cases													2		2	1	2	1	4				1					13
GC and CT Cases							1	16	4	11	10	4	8	1	1		1	1	1									58
TOTAL							3	3	147	49	135	70	67	52	38	42	11	14	1	9		1		1				643
HIV													1		3	1	1	2										8

Regional STBBI Distribution - November 2012

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	266	22	8	15	1	16	10	20	3	33		14	2	12	10	22	68	36	1		7	566
All Gonorrhea Infections	76		3	2			9	1			2	1			1	14	6	6		1		122
All Syphilis Infections	9					1				3												13
GC and CT Infections	30		3	1			7	1			1	1			1	5	5	3				58

* 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, 2012

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 51% of all non-STBBI related communicable diseases reported to Manitoba Health during December 2012.

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

There were 477 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in December 2012:

- 378 reported cases of chlamydia (CT) only
- 51 reported cases of gonorrhoea (GC) only
- 41 reported co-infections of CT and GC and
- 7 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 December 2012, there were no acute cases of Hepatitis B virus (HBV), 24 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 2012 was within or below the statistically expected range for these reported communicable diseases with the exception of the following disease(s):

- Pertussis: 14 positive lab-confirmed cases reported; less than 6 expected in an average month. The increased number of cases is attributable to community clusters in northern and southern Manitoba.
- Strept Glomerulonephritis: 1 positive lab-confirmed case reported; no cases expected in an average month.
- Tuberculosis-Respiratory: 15 cases reported; less than 14 expected in an average month. The increased number of cases is attributable to community cluster in northern Manitoba.
- Streptococcus Pneumoniae: 1 positive lab-confirmed case reported; no cases expected in an average month.

The expected number of cases and range is statistically based on the number of reported cases during November 2007-2011, December 2007-2011, and January 2008-2012.

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 2012

ICD9	Disease Name	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
006.9	AMEBIASIS	2	2	3	0-7	29	40
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1		
005.8	B. CEREUS			0	0-0		
320.1	BAC. MENINGITIS - PNEUM			0	0-1	4	5
320.7	BAC.MENINGITIS-LISTERIA				***	1	
038.0	BETA STREP SEPTICEMIA	15	11		***	169	205
116.0	BLASTOMYCOSIS	2	5		***	10	14
005.1	BOTULISM				***		
023	BRUCELLOSIS	1		0	0-1	4	
005.2	C. PERFRINGENS		1	0	0-1	4	2
008.43	CAMPYLOBACTER	10	6	14	6-22	289	249
558.2	CLOSTRIDIUM DIFFICILE	64	64		***	906	805
046.1	CREUTZFELD-JACOB DISEASE	1			***	1	
007.8	CRYPTOSPORIDIOSIS	1		2	0-6	19	42
061.0	DENGUE FEVER		1	0	0-1	3	4
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1		
032	DIPHTheria CASES			0	0-1	1	
123.4	DIPHYLLOBOTHRIUM SPP			1	0-2	9	4
008.0	E. COLI-VEROTOXIGENIC	1	2	3	0-7	56	37
054.3	ENCEPHALITIS			0	0-0	1	
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	7	7	9	4-14	104	110
038.42	H.INFLUENZAE (BLOOD)	1	1		***	12	12
320.0	H.INFLUENZAE (CSF)			0	0-1	1	3
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-0	1	1
480.8	HANTA VIRUS			0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A			1	0-3	7	4
070.3	HEPATITIS B			0	0-1	8	
070.51	HEPATITIS C	23	24	26	12-40	315	353
487.1A	INFLUENZA A		101		***	113	179
487.1B	INFLUENZA B		9		***	12	227
482.83	LEGIONELLA			0	0-1	4	3
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		1
027.0	LISTERIA MONOCYTOGENES			0	0-1	4	4
088.81	LYME DISEASE			0	0-1	7	2
084	MALARIA	4		1	0-3	28	17
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1	1	2
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		
B95.6	MRSA	245	297	217	111-323	3325	3922
072.9	MUMPS	2		0	0-1	11	6
036.89	N.MENINGITIDIS OTHER			0	0-1	1	
728.86	NECROTIZING FASCIITIS		1	1	0-4	3	3
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS		3		***	1	3
033.0	PERTUSSIS	2	14	2	0-5	32	115
038.2	PNEUM. SEPTICEMIA	9	8	11	1-21	110	137
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 mean.

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE FOR December 2012

ICD9	Disease Name	MONTHLY TOTAL				YEAR-TO-DATE	
		2011	2012	Expected*	Ex. Range**	2011	2012
083.0	Q FEVER			0	0-1	1	
A82.9	RABIES				***		
082.0	RICKETTSIA RICKETTSII				***		
083.9	RICKETTSIAL DISEASE, OTHER			0	0-0	1	
056.9C	RUBELLA (confirmed)			0	0-1		1
771.0	RUBELLA CONGENITAL			0	0-0	1	
041.2	S.PNEUM.OTHER	3		1	0-3	15	15
003.0	SALMONELLA	11	14	17	2-32	171	173
079.82	SARS (CORONAVIRUS)				***		
079.99	SEVERE RESPIRATORY ILLNESS				***		
004	SHIGELLOSIS	2	1	2	0-6	29	73
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 STERILE	5	9		***	103	98
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS		1	0	0-0		1
040.89	STREPT TOXIC SHOCK			0	0-1	1	
481	STREPTOCOCCUS PNEUMONIAE		1	0	0-0		2
127.2	STRONGYLOIDES	3	3	1	0-5	44	20
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS	2		0	0-1	5	3
124	TRICHINOSIS			0	0-0		2
086	TRYPANOSOMA CRUZI			0	0-0	6	4
013-018	TUBERCULOSIS - NON-RESP.	2	1	2	1-5	26	21
010	TUBERCULOSIS - PRIM.			1	0-3	7	9
011-012	TUBERCULOSIS - RESP	8	15	7	1-13	84	111
021.9	TULAREMIA			0	0-0	1	1
002.0	TYPHOID	1	1	0	0-1	8	6
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	130	110		***	1247	1444
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 SYNDROMES				***		10
008.44	YERSINIA ENTEROCOLITICA			1	0-3	11	9
		557	713			7367	8519

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

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

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR DECEMBER 2012

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	2	1	1	3					1	1			11
116.0	BLASTOMYCOSIS						1					1				1							1	1					5
005.2	C. PERFRINGENS																			1									1
008.43	CAMPYLOBACTER							1	1			1								1		2							6
558.2	CLOSTRIDIUM DIFFICILE	2			1							1	1	1	3		2	2	6	3	6	2	7	5	13	9			64
061.0	DENGUE FEVER															1													1
008.0	E. COLI 0157															1								1					2
007.1	GIARDIA LAMBLIA			2	2		2	1																					7
038.42	H.INFLUENZAE (BLOOD)		1																										1
070.51	HEPATITIS C											1	2		4	1	3	3		2	3	2	3						24
487.1A	INFLUENZA A	4	2	4	3	7	3	1	3	5	8	2	2	1		6	2	1	4	3	6	3	2	1	4	10	14		101
487.1B	INFLUENZA B						2			2			1							1						1	1		9
B95.6	MRSA	7	7	12	18	16	6	8	8	3	14	13	7	9	10	17	14	16	17	13	11	15	16	5	11	13	10	1	297
728.86	NECROTIZING FASCIITIS													1															1
033.1	PARAPERTUSSIS	2																		1									3
033.0	PERTUSSIS	2	1	1	2	1				3	1					1		1		1									14
038.2	PNEUM. SEPTICEMIA				2									1		1	1		1	1		1							8
003.0	SALMONELLA		1	2	1							2		1	1		1		2		1	1			1				14
004	SHIGELLOSIS						1																						1
041.1	STREP PYOGENES - OTHER ST											3				1	1			1	2		1						9
580.0	STREP. GLOMERULONEPHRITIS																			1									1
481	STREP. PNEUMONIAE PNEUMON																			1									1
127.2	STRONGYLOIDIASIS											1		1							1								3
013-018	TUBERCULOSIS - NON-RESP.															1													1
011-012	TUBERCULOSIS - RESP								1	2		2				2	1	1		1	1	2	1		1				15
002.0	TYPHOID				1																								1
B96.8	VANCOMYCIN RES. ENTER.											1		2			4	4	6	6	5	11	15	11	11	16	18		110
		18	12	21	31	24	16	10	12	15	25	18	22	15	17	34	30	31	31	39	38	41	45	24	34	56	53		713

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR DECEMBER 2012

ICD9	Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP**	Missing	TOTAL
<i>Case Referred to:*</i>				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																					11
116.0	BLASTOMYCOSIS	4				1																	5
005.2	C. PERFRINGENS	1																					1
008.43	CAMPYLOBACTER	3						1				2											6
558.2	CLOSTRIDIUM DIFFICILE	44	3			3		1	4		4			4		1							64
061.0	DENGUE FEVER	1																					1
008.0	E. COLI 0157	2																					2
007.1	GIARDIA LAMBLIA	2	1					1				1				1		1					7
038.42	H.INFLUENZAE (BLOOD)	1																					1
070.51	HEPATITIS C	16	1					1	1		4			1									24
487.1A	INFLUENZA A	14				2		3		20		47		4		3		8					101
487.1B	INFLUENZA B					1		4		1		2						1					9
B95.6	MRSA	103	2	5	2	1	6	4	10	1	6		4	2	6	6	11	103	24	1			297
728.86	NECROTIZING FASCIITIS									1													1
033.1	PARAPERTUSSIS			1						1		1											3
033.0	PERTUSSIS	2						3			2							6	1				14
038.2	PNEUM. SEPTICEMIA	4						1		1								1	1				8
003.0	SALMONELLA	10	1					1	1	1													14
004	SHIGELLOSIS															1							1
041.1	STREP PYOGENES - OTHER ST	5	1					1				1				1							9
580.0	STREP. GLOMERULONEPHRITIS	1																					1
481	STREP. PNEUMONIAE PNEUMON	1																					1
127.2	STRONGYLOIDIASIS	3																					3
013-018	TUBERCULOSIS - NON-RESP.													1									1
011-012	TUBERCULOSIS - RESP	4			1													10					15
002.0	TYPHOID	1																					1
B96.8	VANCOMYCIN RES. ENTER.	71	1		1		10	1	6		6		3		2		4	4	1				110
		306	10	6	3	2	23	10	33	3	46		61	2	18	7	21	134	27	1			713

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

** OOP=Out of Province

STBBI Infection Summary Report - December 2012

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2011	2012	2011	2012
All Chlamydia Infections	480	419	6813	6673
All Gonorrhea Infections (including PRNG)	100	92	1074	1370
All Syphilis Infections*	9	7	60	96
Gonorrhea & Chlamydia Co-infections	42	41	469	604
HIV	5	5	80	74

Total Number of STBBI Cases by Age and Gender - December 2012

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		4	2	92	26	83	47	38	28	25	20	6	1	1	4								378
Gonorrhea Only Cases									6	3	13	7	7	3	2	7		1	1	1								51
Syphilis Only Cases												1	1			3			1	1								7
GC and CT Cases							1		10	3	12	8	2	2	1	1				1								41
TOTAL					1		5	2	108	32	108	63	48	33	28	31	6	2	3	7								477
HIV													1		1	1	1		1									5

Regional STBBI Distribution - December 2012

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	197	29	6	3		12	7	14	3	30		6	2	8	5	17	59	16	2	3		419
All Gonorrhea Infections	40	2		1		1	3	2		5			1	2	2	8	17	5		2	1	92
All Syphilis Infections	5									1							1					7
GC and CT Infections	17	1				1	1			5			1		1	5	6	2		1		41

* 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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*** OOP=Out of Province