



## Health

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## Santé

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Direction de la santé publique  
Prévention des maladies transmissibles  
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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of January 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive\* during the month of January 2007.

### Communicable Diseases

In total, there were **400** new infections occurring across 19 communicable diseases\*\* (excluding sexually transmitted infections and HIV) in January 2007. The observed number of cases were within the expected range for most of the reported communicable diseases with the exception of Cryptosporidiosis (4 cases observed; expected range 0-3 cases), Diphtheria (1 case observed; expected range 0-0 cases) and Methicillin Resistant Staphylococcus Aureus (173 cases observed; expected range 0-149 cases). The expected number of cases and accompanying range is based on the number of cases during Dec 2001-2005, and January and February 2002-2006.

### Sexually Transmitted Infections & Blood-Borne Pathogens

There were **465** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in January: 351 cases of chlamydia (Ct), 76 cases of gonorrhoea (GC), 33 GC-Ct co-infections, and 5 cases of syphilis. The 44% of all GC and Ct cases in the province were reported among females age 15-24 years. More than half of all GC and Ct cases (56%) were reported for individuals living in the Winnipeg health region, and an additional 18% were from the Burntwood health region.

In January, 19 individuals tested positive for hepatitis C, most of who were reported from the Winnipeg health region. More than one fifth of the cases were among males in the 30-39 year age groups. Seven Manitobans, more than half males, tested positive for HIV in January 2007.

\*Note: 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.

\*\*Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)  
clostridium difficile (ICD9: 558.2)  
leishmaniasis – unspecified (ICD9: 085.9)  
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)  
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)  
schistosomiasis (ICD9: 120)  
streptococcus pneumoniae – other site (ICD9: 041.2)  
strongyloides (ICD9: 127.2)  
vancomycin resistant enterococci (VRE)  
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the  
Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,  
Dr. Suresh Khatkar  
Epidemiologist, Communicable Diseases

# SUMMARY OF COMMUNICABLE DISEASE FOR January 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	2	6	3	0-6	2	6
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-2		
005.8	B. CEREUS			0	0-1		
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			0	0-1		
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS		2		***		2
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS	1	1	2	0-9	1	1
008.43	CAMPYLOBACTER	9	11	12	3-21	9	11
558.2	CLOSTRIDIUM DIFFICILE	115	128		***	115	128
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2	4	1	0-3	2	4
061.0	DENGUE FEVER			0	0-1		
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHThERIA CASES		1	0	0-0		1
123.4	DIPHYLLOBOTHRIUM SPP			0	0-1		
008.0	E. COLI-VEROTOXIGENIC	4	1	3	0-10	4	1
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	8	12	9	2-16	8	12
041.5	H.I.B.-NON MTGS			0	0-1		
041.59	HAEM. INFLUENZAE (non-B)				***		
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A	1	1	2	0-4	1	1
070.3	HEPATITIS B			0	0-1		
070.51	HEPATITIS C	28	19	37	15-59	28	19
054.8	HERPES-W-UNSPEC COMPL	2		0	0-1	2	
487.1A	INFLUENZA A		10		***		10
487.1B	INFLUENZA B		1		***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES			0	0-1		
088.81	LYME DISEASE			0	0-0		
084	MALARIA	2		0	0-2	2	
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF	1		0	0-1	1	
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		
B95.6	MRSA	130	173	63	0-149	130	173
072.9	MUMPS			0	0-1		
036.89	N.MENINGITIDIS OTHER	1		0	0-1	1	
728.86	NECROTIZING FASCIITIS	3		1	0-3	3	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		

\* 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.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	2	2	5	0-13	2	2
038.2	PNEUM. SEPTICEMIA	7	3	6	2-10	7	3
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-0		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-0		
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			0	0-1		
003.0	SALMONELLA	19	19	14	3-25	19	19
120	SCHISTOSOMIASIS			0	0-1		
004	SHIGELLOSIS	1		1	0-4	1	
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-1		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-0		
127.2	STRONGYLOIDES			0	0-1		
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			1	0-4		
124	TRICHINOSIS			0	0-1		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	1		2	0-5	1	
011	TUBERCULOSIS - RESP.	5		7	2-12	5	
010	TUBERCULOSIS-PRIM.			0	0-1		
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	5	4		***	5	4
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1		
047.1	VIRAL MENINGITIS-ECHO			0	0-1		
047.8	VIRAL MENINGITIS-ENTERO				***		
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA		2	0	0-2		2
		<b>349</b>	<b>400</b>			<b>349</b>	<b>400</b>

\* 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 January 2007

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/gendr	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															3	1	2											6
116.0	BLASTOMYCOSIS					1										1													2
005.2	C. PERFRINGENS																			1									1
008.43	CAMPYLOBACTER		1	1	1			1			2			1					2	1			1						11
558.2	CLOSTRIDIUM DIFFICILE				3	1				1	2			1		3		5	3	6	6	7	11	10	12	37	21		129
007.8	CRYPTOSPORIDIOSIS				3			1																					4
032	DIPH. CASES																									1			1
008.0	E. COLI 0157		1																										1
007.1	GIARDIA LAMBLIA			1	2	2				1				2				2	1	1									12
070.1	HEPATITIS A																						1						1
070.51	HEPATITIS C											1	1	1	3	2	4	2	1	1	2		1						19
487.1A	INFLUENZA A			2	1		1		1									2			1					1	1		10
487.1B	INFLUENZA B						1																						1
B95.6	MRSA	1	2	6	6	9	6	5	6	5	3	6	7	5	7	12	11	5	9	11	7	4	3	4	10	8	15		173
033.0	PERTUSSIS	1	1																										2
003.0	SALMONELLA					1		1	1		1	2	2			1	3				3	1	2		1				19
038.2	STREP.PNEUMOCOCCAL SEPTIC				1													1			1								3
038.0	STREPTOCOCCAL SEPTICEMIA																	1								1			2
B96.8	VANCOMYCIN RES. ENTER.							1								1				1		1							4
008.44	YERSINIA ENTEROCOLITICA																				1			1					2
		2	5	10	17	14	8	9	8	6	9	9	10	7	13	19	22	15	19	22	22	15	17	16	24	46	39		403

# SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR January 2007

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	6																					6
116.0	BLASTOMYCOSIS	1			1																		2
005.2	C. PERFRINGENS	1																					1
008.43	CAMPYLOBACTER	1	1		1				3		3		2										11
558.2	CLOSTRIDIUM DIFFICILE	66	6		3		2		8		19		10	2	6		1	3	3				129
007.8	CRYPTOSPORIDIOSIS	1											3										4
032	DIPH. CASES																	1					1
008.0	E. COLI 0157	1																					1
007.1	GIARDIA LAMBLIA	7			1		1		1									1			1		12
070.1	HEPATITIS A														1								1
070.51	HEPATITIS C	12					1	2	1		1								1		1		19
487.1A	INFLUENZA A	3			1				1		2		3										10
487.1B	INFLUENZA B				1																		1
B95.6	MRSA	50	6	2	1		1		6	1	7		6			4	6	75	6	1		1	173
033.0	PERTUSSIS	1							1														2
003.0	SALMONELLA	12	2						2		2		1										19
038.2	STREP.PNEUMOCOCCAL SEPTIC								1									2					3
038.0	STREPTOCOCCAL SEPTICEMIA	1																1					2
B96.8	VANCOMYCIN RES. ENTER.	3		1																			4
008.44	YERSINIA ENTEROCOLITICA	2																					2
		168	15	3	9		5	2	24	1	34		25	2	7	4	7	83	10	1	1	2	403
Missing Investigation Forms (01/01/2006 - 12/31/2006)		225	15	1	1		33	3	5	1	8		13		3		1	8	5	1	1	8	332

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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## STD Infection Summary Report January 2007

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2006	2007	2006	2007
All Chlamydia Infections	376	384	376	384
All Gonorrhea Infections (including PRNG)	150	109	150	109
All Syphilis Infections	6	5	6	5
Gonorrhea & Chlamydia Co-infections	45	33	45	33
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	10	7	10	7

## Total Number of STD Cases by Age and Gender - January 2007

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/gendr	Total
	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
Chlamydia Only Cases							4	2	86	26	80	45	37	22	14	20	5	7	2	1								351
Gonorrhea Only Cases			1						13	4	10	11	6	6	5	10		7		3								76
Syphilis Only Cases													1			2			1	1								5
GC and CT Cases							3		5	1	10	5	2	1		4		2										33
			1				7	2	104	31	100	61	46	29	19	36	5	16	3	5								465
HIV															1	1	1	1			1	2						7

## Regional STD Distribution - January 2007

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	205	31	2	8		8		21		11		8		5	4	8	54	16	1	3		385
All Gonorrhea Infections	67	2	2	2		1	2	3	1				2				21	6				109
All Syphilis Infections	2							1				2										5
GC and CT Infections	14	1		1				3									12	2				33

Missing Investigation Forms (01/01/2006 - 12/31/2006)	121	15	6	4		4	6	7		9		13	2	5	33	8	33	16		1	1	284
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\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction





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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of February 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive\* during the month of February 2007.

### Communicable Diseases

In total, there were **374** new infections occurring across 22 communicable diseases\*\* (excluding sexually transmitted infections and HIV) in February 2007. The observed numbers of cases were within the expected range for most of the reported communicable diseases with the exception of one case each of Rheumatic Fever and Strongyloides with their expected range of 0-0 cases. The expected number of cases and accompanying range is based on the number of cases during January, February and March 2002-2006.

Both MRSA and Clostridium difficile accounted for more than 60% of all non-STI/HIV related communicable diseases reported to Manitoba Health. The C. difficile tend to concentrate in the 60+ age group, while cases of MRSA are reported in all age groups.

### Sexually Transmitted Infections & Blood-Borne Pathogens

There were **404** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in February: 319 cases of chlamydia (Ct), 50 cases of gonorrhoea (GC), 33 GC-Ct co-infections, and 2 cases of syphilis. The 39% of all GC and Ct cases in the province were reported among females age 15-24 years. More than half of all GC and Ct cases (51.74%) were reported for individuals living in the Winnipeg health region, and an additional 17% were from the Burntwood health region.

In February, 31 individuals tested positive for hepatitis C virus, most of who were reported from the Winnipeg health region. The 70% of all HCV positive cases were in the 40-59 years age groups. Six Manitobans, three of each gender, tested positive for HIV in February 2007.

**PS:** One more case of HIV (male) was also observed during the month of February 2007, making a total of 7 cases (4 males and 3 females).

\*Note: 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.

\*\*Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)  
clostridium difficile (ICD9: 558.2)  
leishmaniasis – unspecified (ICD9: 085.9)  
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)  
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)  
schistosomiasis (ICD9: 120)  
streptococcus pneumoniae – other site (ICD9: 041.2)  
strongyloides (ICD9: 127.2)  
vancomycin resistant enterococci (VRE)  
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the  
Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,  
Dr. Suresh Khatkar  
Epidemiologist, Communicable Diseases

# SUMMARY OF COMMUNICABLE DISEASE FOR February 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	2	2	2	0-5	4	8
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		
320.1	BAC. MENINGITIS - PNEUM		1	0	0-1		1
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS		4		***		6
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			1	0-3	1	1
008.43	CAMPYLOBACTER	16	6	13	6-20	26	20
558.2	CLOSTRIDIUM DIFFICILE	101	97		***	216	227
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	2	2	0-4	3	7
061.0	DENGUE FEVER	1		0	0-1	1	
065.4	DENGUE HEMORRHAGIC FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHThERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP			0	0-1		
008.0	E. COLI-VEROTOXIGENIC	2		4	0-11	6	1
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	11	6	9	3-15	19	18
041.5	H.I.B.-NON MTGS			0	0-2		
041.59	HAEM. INFLUENZAE (non-B)		2		***		2
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A	2	1	2	0-4	3	2
070.3	HEPATITIS B	1		1	0-2	1	
070.51	HEPATITIS C	20	31	38	14-62	48	55
054.8	HERPES-W-UNSPEC COMPL	1		0	0-1	3	
487.1A	INFLUENZA A		30		***		47
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES			0	0-1		
088.81	LYME DISEASE			0	0-0		
084	MALARIA			1	0-3	2	
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			0	0-1	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		
B95.6	MRSA	126	136	64	0-139	256	312
072.9	MUMPS			0	0-1		
036.89	N.MENINGITIDIS OTHER	1		0	0-1	2	1
728.86	NECROTIZING FASCIITIS	1		1	0-3	4	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		

\* 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.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS			3	0-9	2	2
038.2	PNEUM. SEPTICEMIA	9	14	7	0-14	16	18
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER		1	0	0-0		1
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER		1	1	0-4		1
003.0	SALMONELLA	13	21	14	4-24	32	42
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	2	1	2	0-4	3	1
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-1		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE		1	0	0-1		1
127.2	STRONGYLOIDES		1	0	0-0		3
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			1	0-4		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	5		2	0-5	6	3
011	TUBERCULOSIS - RESP.	9	7	7	3-11	14	12
010	TUBERCULOSIS-PRIM.			1	0-6		
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	4	7		***	9	11
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1		
047.1	VIRAL MENINGITIS-ECHO	1		0	0-1	1	
047.8	VIRAL MENINGITIS-ENTERO				***		
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	3	2	1	0-3	3	4
		<b>332</b>	<b>374</b>			<b>682</b>	<b>808</b>

\* 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 February 2007

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/gendr	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
116.0	BLASTOMYCOSIS				1						1		1							1									4
008.43	CAMPYLOBACTER													1			1		1	1	2								6
558.2	CLOSTRIDIUM DIFFICILE		1	1				1				4		2		3	1	3	1	4	3	3	8	12	11	25	14		97
007.8	CRYPTOSPORIDIOSIS				1					1																			2
007.1	GIARDIA LAMBLIA			2			2													1	1								6
041.59	HAEM. INFLUENZAE (non-B)	1																				1							2
070.1	HEPATITIS A							1																					1
070.51	HEPATITIS C								1					1	3	1	1	4	8	4	6	1						1	31
487.1A	INFLUENZA A		5	2	1			4	1			1				1	1			1			2	2	6	3			30
B95.6	MRSA	2	4	1	5	3		4	5	11	5	5	1	5	3	11	6	7	8	2	5	3	5	6	7	13	9		136
391	RHEUMATIC FEVER					1																							1
003.0	SALMONELLA				2					1	2	1				2	2	1	2	4	2			1	1				21
004	SHIGELLOSIS							1																					1
481	STREP. PNEUMONIAE PNEUMON													1															1
041.2	STREP.PNEUM.OTHER																									1			1
038.2	STREP.PNEUMOCOCCAL SEPTIC							1	1							5	1	2	3			1							14
127.2	STRONGYLOIDIASIS									1																			1
011	TUBERCULOSIS - RESP.													1	1	1	1			1	2								7
B96.8	VANCOMYCIN RES. ENTER.																			2			2	1	2				7
008.44	YERSINIA ENTEROCOLITICA											1						1											2
		3	10	6	10	4	2	6	13	16	9	10	4	10	7	18	18	18	23	24	22	8	16	22	23	44	27		374

# SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR February 2007

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
320.1	BAC. MENINGITIS - PNEUM	1																					1
116.0	BLASTOMYCOSIS	3											1										4
008.43	CAMPYLOBACTER	1	2							1		1				1							6
558.2	CLOSTRIDIUM DIFFICILE	57	9	1			1		4		5		10		5		1		4				97
007.8	CRYPTOSPORIDIOSIS		1										1										2
007.1	GIARDIA LAMBLIA	2								2		2											6
041.59	HAEM. INFLUENZAE (non-B)	1																			1		2
070.1	HEPATITIS A	1																					1
070.51	HEPATITIS C	22	1				1	2	3										2				31
487.1A	INFLUENZA A	7	1		1		2		1		10		2			1	4	1					30
B95.6	MRSA	47	4		2		3	1	2		1		3		4	5	8	45	11				136
391	RHEUMATIC FEVER																		1				1
003.0	SALMONELLA	8					2		2	1	3		3		1				1				21
004	SHIGELLOSIS	1																					1
481	STREP. PNEUMONIAE PNEU	1																					1
041.2	STREP.PNEUM.OTHER	1																					1
038.2	STREP.PNEUMOCOCCAL SE	8									1						1	2	2				14
127.2	STRONGYLOIDIASIS	1																					1
011	TUBERCULOSIS - RESP.	2														2		3					7
B96.8	VANCOMYCIN RES. ENTER.	4		1			1				1												7
008.44	YERSINIA ENTEROCOLITICA	1					1																2
		171	18	2	3		11	3	12	1	24		23		10	8	15	51	21			1	374
Missing Investigation Forms (02/01/2006 - 01/31/2007)		221	16		2		14	3	9	1	5		21		3		1	8	2	1	1	7	315

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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## STD Infection Summary Report - February 2007

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2006	2007	2006	2007
All Chlamydia Infections	352	352	727	769
All Gonorrhea Infections (including PRNG)	141	83	291	204
All Syphilis Infections	5	2	11	7
Gonorrhea & Chlamydia Co-infections	50	33	95	68
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	8	6	18	15

## Total Number of STD Cases by Age and Gender - February 2007

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/gendr	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							5	1	71	34	54	44	32	29	17	17	2	8	1	3		1						319
Gonorrhea Only Cases							1		6	5	13	5	1	3	5	8	1		1		1							50
Syphilis Only Cases																1				1								2
GC and CT Cases									9	5	4	5	2	2		4		2										33
							6	1	86	44	71	54	35	34	22	30	3	10	1	4	1	2						404
HIV											2					2	1	1										6

## Regional STD Distribution - February 2007

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	180	21	4	9		3	5	10		18		7	1	12	1	17	44	15	1	3	1	352
All Gonorrhea Infections	37		5	1			2	1	1	3		1		2		1	18	7		2	2	83
All Syphilis Infections	1																1					2
GC and CT Infections	9		2				2	1				1		1			12	4		1		33

Missing Investigation Forms (02/01/2006 - 01/31/2007)	131	22	7	7		5	3	11		8		12	2	3	8	8	33	15		1	1	277
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\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction





## Health

Healthy Living Division and Health Programs  
Public Health Branch  
Communicable Disease Control Unit  
Fourth Floor, 300 Carlton Street  
Winnipeg MB R3B 3M9  
CANADA  
Telephone: (204) 788-6786  
Fax: (204) 948-2040

## Santé

Division de la vie saine et des programmes de santé  
Direction de la santé publique  
Prévention des maladies transmissibles  
300, rue Carlton, 4<sup>e</sup> étage  
Winnipeg MB R3B 3M9  
CANADA  
Téléphone: (204) 788-6786  
Télécopieur: (204) 948-2040

Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of March 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive\* during the month of March 2007.

### Communicable Diseases

In total, there were **318** new infections occurring across 19 communicable diseases\*\* (excluding sexually transmitted infections and HIV) in March 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of 135 cases of MRSA with the expected range of 0-122 cases. The expected number of cases and accompanying range is based on the number of cases during February, March and April 2002-2006.

Both MRSA and *Clostridium difficile* accounted for 68.55% of all non-STI/HIV related communicable diseases reported to Manitoba Health. The *C. difficile* tend to concentrate in the 60+ age group, while cases of MRSA are reported in all age groups.

### Sexually Transmitted Infections & Blood-Borne Pathogens

There were **420** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in March: 328 cases of chlamydia (Ct), 50 cases of gonorrhoea (GC), 41 GC-Ct co-infections, and 1 case of syphilis. More than half (50.8%) of all GC and Ct cases in the province were reported among females of age group 15-24 years. Less than half of all GC and Ct cases (45%) were reported for individuals living in the Winnipeg health region, and an additional 18% were from the Burntwood health region.

In March, 26 individuals tested positive for hepatitis C virus in Manitoba, and 15 of them were reported from the Winnipeg health region. About 85% of all HCV positive cases were in the 30-59 years age groups. Eight Manitobans, five males and three females, tested positive for HIV in March 2007.

**PS:** Two more cases of HIV were also observed during the month of March 2007, making a total of 10 cases (6 males and 4 females).

\*Note: 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.

\*\*Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)  
clostridium difficile (ICD9: 558.2)  
leishmaniasis – unspecified (ICD9: 085.9)  
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)  
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)  
schistosomiasis (ICD9: 120)  
streptococcus pneumoniae – other site (ICD9: 041.2)  
strongyloides (ICD9: 127.2)  
vancomycin resistant enterococci (VRE)  
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the  
Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,  
Dr. Suresh Khatkar  
Epidemiologist, Communicable Diseases

# SUMMARY OF COMMUNICABLE DISEASE FOR March 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	3	2	3	0-7	7	9
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		
320.1	BAC. MENINGITIS - PNEUM	1		0	0-1	1	1
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS				***		6
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			0	0-2	1	1
008.43	CAMPYLOBACTER	12	14	15	2-28	38	36
558.2	CLOSTRIDIUM DIFFICILE	107	83		***	323	310
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	3		2	0-5	6	6
061.0	DENGUE FEVER	1		0	0-1	2	
065.4	DENGUE HEMORRHAGIC FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHThERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP			0	0-1		
008.0	E. COLI-VEROTOXIGENIC	1	2	4	0-11	7	3
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	9	7	9	3-15	28	22
041.5	H.I.B.-NON MTGS			0	0-2		
041.59	HAEM. INFLUENZAE (non-B)		1		***		3
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A	1		2	0-4	4	2
070.3	HEPATITIS B	1		1	0-2	2	1
070.51	HEPATITIS C	20	26	38	11-65	68	81
054.8	HERPES-W-UNSPEC COMPL	1		0	0-1	4	
487.1A	INFLUENZA A		16		***		63
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES			0	0-1		
088.81	LYME DISEASE			0	0-0		
084	MALARIA		1	1	0-3	2	1
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			0	0-1	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		
B95.6	MRSA	111	135	57	0-122	367	448
072.9	MUMPS			0	0-1		
036.89	N.MENINGITIDIS OTHER		1	0	0-1	2	2
728.86	NECROTIZING FASCIITIS			1	0-3	4	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		

\* 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.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS		1	3	0-9	2	3
038.2	PNEUM. SEPTICEMIA	12	4	8	0-16	28	22
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-0		1
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-4		1
003.0	SALMONELLA	13	14	13	4-22	45	57
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	1	1	2	0-4	4	2
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-1		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-2		1
127.2	STRONGYLOIDES			0	0-0		3
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			1	0-4		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	4	1	2	0-5	10	4
011	TUBERCULOSIS - RESP.	10	3	8	4-12	24	17
010	TUBERCULOSIS-PRIM.	9		2	0-7	9	1
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	2	4		***	11	15
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1		
047.1	VIRAL MENINGITIS-ECHO	1		1	0-3	2	
047.8	VIRAL MENINGITIS-ENTERO	1			***	1	
054.72	VIRAL MENINGITIS-H SIMP			0	0-0		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	2	2	1	0-3	5	5
		<b>326</b>	<b>318</b>			<b>1008</b>	<b>1128</b>

\* 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 March 2007

		<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/gendr	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS												1	1															2
008.43	CAMPYLOBACTER	1		1	1						1			1			1	1	1	1	1	1	1	1		1			14
558.2	CLOSTRIDIUM DIFFICILE	1		1								3	1		1	4		3	1	2	4	4	5	5	5	29	14		83
008.0	E.COLI 0157															1						1							2
007.1	GIARDIA LAMBLIA			1								2		1				2								1			7
041.59	HAEM. INFLUENZAE (non-B)	1																											1
070.51	HEPATITIS C											1	1	1	4	4	4	3	4	3								1	26
487.1A	INFLUENZA A	2	1	3	2											1	1			1			1			3	1		16
084	MALARIA													1															1
B95.6	MRSA	1		5	1	9		3	1	6	1	10	3	3	4	5	9	7	7	3	10	5	8	9	6	9	10		135
036.89	NEISSERIA MGTS(Other)			1																									1
033.0	PERTUSSIS						1																						1
003.0	SALMONELLA								1		1	1	1	1				4			1		1			2	1		14
004	SHIGELLOSIS																		1										1
038.2	STREP.PNEUMOCOCCAL SEPTIC		1											1		1	1												4
013	TUBERCULOSIS - NON-RESP.									1																			1
011	TUBERCULOSIS - RESP.															1	1		1										3
B96.8	VANCOMYCIN RES. ENTER.																			1	1					1	1		4
008.44	YERSINIA ENTEROCOLITICA											1									1								2
		6	2	12	4	9	1	3	2	7	3	14	10	9	7	16	18	19	16	11	19	13	16	16	11	46	27		318

# SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR March 2007

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
008.43	CAMPYLOBACTER	6		1			2		1		1		3										14
558.2	CLOSTRIDIUM DIFFICILE	58	3					1	6		2		5		5			2	1				83
008.0	E.COLI 0157	1							1														2
007.1	GIARDIA LAMBLIA	4	1				1						1										7
041.59	HAEM. INFLUENZAE (non-B)																1						1
070.51	HEPATITIS C	15	3		1		1	2			3		1										26
487.1A	INFLUENZA A	9	1								2							2	2				16
084	MALARIA	1																					1
B95.6	MRSA	47	1	1			2		12		4	1	1		3	3	5	44	11				135
036.89	NEISSERIA MGTS(0ther)																	1					1
033.0	PERTUSSIS	1																					1
003.0	SALMONELLA	10	1						1		2												14
004	SHIGELLOSIS	1																					1
038.2	STREP.PNEUMOCOCCAL SE ETIC	1																2	1				4
013	TUBERCULOSIS - NON-RESP.																	1					1
011	TUBERCULOSIS - RESP.	2																1					3
B96.8	VANCOMYCIN RES. ENTER.	2													2								4
008.44	YERSINIA ENTEROCOLITICA								1		1												2
		160	10	2	1		6	3	22		15	1	11		10	3	6	53	15				318
Missing Investigation Forms (Jan.1 to end of February)		52	1		1		5		11		5		9				1	3	4				92

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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## STD Infection Summary Report - March 2007

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2006	2007	2006	2007
All Chlamydia Infections	385	369	1112	1140
All Gonorrhea Infections (including PRNG)	129	91	420	295
All Syphilis Infections	5	1	16	8
Gonorrhea & Chlamydia Co-infections	50	41	145	109
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	6	8	24	23

## Total Number of STD Cases by Age and Gender - March 2007

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/gendr	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		85	28	87	45	18	19	19	15	3	2	1									328
Gonorrhea Only Cases							1		15	5	5	6	1	3	4	4		4		2								50
Syphilis Only Cases																	1											1
GC and CT Cases							2		14	4	7	8	2	2		1		1										41
							9		114	37	99	59	21	24	23	20	3	8	1	2								420
HIV															1	2		1			2			2				8

## Regional STD Distribution - March 2007

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	165	24	9	11		10	10	18		20		9	2	10	1	12	47	20			1	369
All Gonorrhea Infections	41	1	7	5						3		1			1	11	15	6				91
All Syphilis Infections											1											1
GC and CT Infections	17	1		1						2		1			1	5	10	3				41

Missing Investigation Forms (Jan.1 to end of February)	56	28	3	5		2		6		4		9	1	3		6	31	5		1	1	161
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\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction





## Health

Healthy Living Division and Health Programs  
Public Health Branch  
Communicable Disease Control Unit  
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## Santé

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Prévention des maladies transmissibles  
300, rue Carlton, 4<sup>e</sup> étage  
Winnipeg MB R3B 3M9  
CANADA  
Téléphone: (204) 788-6786  
Télécopieur: (204) 948-2040

Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of April 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive\* during the month of April 2007.

### Communicable Diseases

In total, there were **305** new infections occurring across 19 communicable diseases\*\* (excluding sexually transmitted infections and HIV) in April 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of 140 cases of MRSA with the expected range of 0-116 cases and one case of Rubella with the expected range of 0-0 cases. However, the Rubella case was not actually a clinical case but a cross-reaction to Epstein Barr Virus. The expected number of cases and accompanying range is based on the number of cases during March, April and May 2002-2006.

Both MRSA and Clostridium difficile accounted for 72% of all non-STI/HIV related communicable diseases reported to Manitoba Health. The C. difficile tend to concentrate in the 60+ age group, while cases of MRSA are reported in all age groups.

### Sexually Transmitted Infections & Blood-Borne Pathogens

There were **400** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in April: 297 cases of chlamydia (Ct), 61 cases of gonorrhoea (GC), 37 GC-Ct co-infections, and 5 cases of syphilis. The 49% of all GC and Ct cases in the province were reported among females of age group 15-24 years. More than half of all GC and Ct cases (57%) were reported for individuals living in the Winnipeg health region, and an additional 14% were from the Burntwood health region.

In April, 20 individuals tested positive for hepatitis C virus in Manitoba, and 70% of them were reported from the Winnipeg health region. About 55% of all HCV positive cases were in the 40-59 years age groups. Four Manitobans, three males and one female, tested positive for HIV in April 2007.

**PS:** One more male case of HIV was also observed during the month of April 2007, making a total of five cases (4 males and 1 female).

\*Note: 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.

\*\*Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

Ascariasis (ICD9: 127.0)

Clostridium difficile (ICD9: 558.2)

Leishmaniasis – unspecified (ICD9: 085.9)

Methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)

Penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)

Schistosomiasis (ICD9: 120)

Streptococcus pneumoniae – other site (ICD9: 041.2)

Strongyloides (ICD9: 127.2)

Vancomycin resistant enterococci (VRE)

Tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Please feel free in contacting me should you have any questions about this report.

Thanking you

Dr. Suresh Khatkar

Epidemiologist, Communicable Diseases

# SUMMARY OF COMMUNICABLE DISEASE FOR April 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	7	6	3	0-7	14	14
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS		1	0	0-1		1
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			0	0-1	1	1
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS				***		7
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS	1		1	0-3	2	1
008.43	CAMPYLOBACTER	17	11	15	0-30	55	50
558.2	CLOSTRIDIUM DIFFICILE	111	80		***	434	393
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	1	2	0-5	7	7
061.0	DENGUE FEVER			0	0-1	2	2
065.4	DENGUE HEMORRHAGIC FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHThERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP	2		0	0-1	2	
008.0	E. COLI-VEROTOXIGENIC	7	3	5	0-13	14	6
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	9	4	9	4-14	37	26
041.5	H.I.B.-NON MTGS			0	0-2		
041.59	HAEM. INFLUENZAE (non-B)				***		3
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A			3	0-11	4	2
070.3	HEPATITIS B	1	1	1	0-2	3	2
070.51	HEPATITIS C	16	20	38	18-58	84	107
054.8	HERPES-W-UNSPEC COMPL			0	0-1	4	
487.1A	INFLUENZA A		3		***		70
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY	1		0	0-1	1	
027.0	LISTERIA MONOCYTOGENES			0	0-1		
088.81	LYME DISEASE			0	0-0		
084	MALARIA			1	0-3	2	1
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			0	0-1	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		
B95.6	MRSA	83	140	57	0-116	450	594
072.9	MUMPS			0	0-1		
036.89	N.MENINGITIDIS OTHER		1	0	0-1	2	3
728.86	NECROTIZING FASCIITIS			0	0-1	4	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		

\* 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.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	1		3	0-8	3	3
038.2	PNEUM. SEPTICEMIA	14	3	8	1-15	42	26
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-0		1
056.9	RUBELLA		1	0	0-0		1
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-4		1
003.0	SALMONELLA	8	20	14	6-22	53	80
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS		2	1	0-3	4	4
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS	1		0	0-1	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			1	0-3		1
127.2	STRONGYLOIDES			0	0-1		6
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-2		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	3		2	0-5	13	4
011	TUBERCULOSIS - RESP.	8	5	8	5-11	32	27
010	TUBERCULOSIS-PRIM.	3	1	2	0-8	12	2
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	4	2		***	15	17
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-0		
047.1	VIRAL MENINGITIS-ECHO			1	0-3	2	
047.8	VIRAL MENINGITIS-ENTERO				***	1	
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-0		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	1		1	0-3	6	3
		<b>299</b>	<b>305</b>			<b>1307</b>	<b>1467</b>

\* 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 April 2007

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/gendr	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
005.8	B. CEREUS				1																								1
008.43	CAMPYLOBACTER			1			1							1	2	1		1				2			1	1			11
558.2	CLOSTRIDIUM DIFFICILE	1		2										1	2	4	2	3				6	5	10	8	22	14		80
007.8	CRYPTOSPORIDIOSIS														1														1
008.0	E.COLI 0157			2						1																			3
007.1	GIARDIA LAMBLIA						1	1				1						1											4
070.3	HEPATITIS B																	1											1
070.51	HEPATITIS C											1	1	2	1	1	2	4	1	4		2					1		20
487.1A	INFLUENZA A																			1						1	1		3
B95.6	MRSA	3	5	2	4	11	3	2	5	6	2	2	2	6	5	8	9	3	4	5	12	3	5	4	4	12	13		140
036.89	NEISSERIA MGTS(Other)				1																								1
056.9	RUBELLA				1																								1
003.0	SALMONELLA	1			2	1				1	1		2	3	1		1	2		1	2			1	1				20
004	SHIGELLOSIS																			1			1						2
038.2	STREP.PNEUMOCOCCAL SEPTIC													1			1									1			3
011	TUBERCULOSIS - RESP.									1						1		1	1		1								5
010	TUBERCULOSIS-PRIM.			1																									1
B96.8	VANCOMYCIN RES. ENTER.										1									1									2
		5	5	8	9	12	5	3	5	9	4	3	5	13	11	17	16	11	13	8	22	11	13	17	14	37	28		305

# SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR April 2007

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
005.8	B. CEREUS										1												1
008.43	CAMPYLOBACTER	6	2				1								1				1				11
558.2	CLOSTRIDIUM DIFFICILE	53	9		1		1	1	2		2			6		1			1	3			80
007.8	CRYPTOSPORIDIOSIS				1									6									1
008.0	E.COLI 0157						1		1					1									3
007.1	GIARDIA LAMBLIA	3																	1				4
070.3	HEPATITIS B	1																					1
070.51	HEPATITIS C	14	2						1								1		1			1	20
487.1A	INFLUENZA A								3														3
B95.6	MRSA	55	1		1			1	6		6			1		7	2	8	47	5			140
036.89	NEISSERIA MGTS(Other)										1												1
056.9	RUBELLA	1																					1
003.0	SALMONELLA	10	1				2	1	2		3								1				20
004	SHIGELLOSIS	1												1									2
038.2	STREP.PNEUMOCOCCAL SEPTIC	3																					3
011	TUBERCULOSIS - RESP.	3																2					5
010	TUBERCULOSIS-PRIM.																	1					1
B96.8	VANCOMYCIN RES. ENTER.										1					1							2
		155	15		3		5	3	16		14		9		10	2	9	52	11			1	305
Missing Investigation Forms (Jan.1 to end of March)		76	2		2		11		5		5		11				1	4	3				120

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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## STD Infection Summary Report - April 2007

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2006	2007	2006	2007
All Chlamydia Infections	329	334	1441	1498
All Gonorrhea Infections (including PRNG)	131	98	551	402
All Syphilis Infections	3	5	19	15
Gonorrhea & Chlamydia Co-infections	39	37	184	150
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	4	4	28	27

## Total Number of STD Cases by Age and Gender - April 2007

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/gendr	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		88	21	67	35	24	19	12	15	2	8		1								297
Gonorrhea Only Cases							1		10	6	10	4	7	5	2	8		6		1		1						61
Syphilis Only Cases												1				2		1		1								5
GC and CT Cases					1		1		10	9	4	8	1	1	2													37
	1				1		6		108	36	81	48	32	25	16	25	2	15		3		1						400
HIV															1	2				1								4

## Regional STD Distribution - April 2007

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	184	20	4	11		5	6	13	1	20		6	1	6	3	10	35	7		2		334
All Gonorrhea Infections	62		3				2	1		3		1		2	1	1	18	3		1		98
All Syphilis Infections	4							1														5
GC and CT Infections	22						2	1		3		1			1		4	2		1		37

Missing Investigation Forms (Jan.1 to end of March)	69	36	4	4		5	1	10		5		15	2	5		6	31	5		1		199
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\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction





## Health

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## Santé

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Télécopieur: (204) 948-2040

Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of May 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive\* during the month of May 2007.

### Communicable Diseases

In total, there were **352** new infections occurring across 26 communicable diseases\*\* (excluding sexually transmitted infections and HIV) in May 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of 141 cases of MRSA with the expected range of 0-131 cases, two cases of Bacterial Meningitis – Pneum with the expected range of 0-1 cases and one case of Hanta virus with the expected range of 0-0 case. Similarly, some more cases out of their expected ranges were also observed during this month. These included three cases of mumps with the expected range of 0-1 cases, two cases of Shigellosis with the expected range of 0-1 cases and four cases of Strongyloides with the expected range of 0-1 cases. The expected number of cases and accompanying range is based on the number of cases during April, May and June 2002-2006.

Both MRSA and Clostridium difficile accounted for 63% of all non-STI/HIV related communicable diseases reported to Manitoba Health. The C. difficile tend to concentrate in the 60+ age group, while cases of MRSA are reported in all age groups.

### Sexually Transmitted Infections & Blood-Borne Pathogens

There were **493** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in May: 361 cases of chlamydia (Ct), 72 cases of gonorrhoea (GC), 53 GC-Ct co-infections, and 7 cases of syphilis. The 44% of all GC and Ct cases in the province were reported among females of age group 15-24 years. Less than half of all GC and Ct cases (46%) were reported for individuals living in the Winnipeg health region, and an additional 24% were from the Burntwood health region. In addition, a case of Lymphogranuloma Venereum (LGV) was also reported during this month in Manitoba (not shown in the table).

In May, 38 individuals tested positive for hepatitis C virus in Manitoba, and 61% of them were reported from the Winnipeg health region. About 53% of all HCV positive cases were in the 40-59 years age groups, while 32% of total HCV cases were reported in the age group of 30-39 years. Five Manitobans (including one nominal case which is not mentioned in the table), three males and two females tested positive for HIV in May 2007.

\*Note: 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.

\*\*Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

Ascariasis (ICD9: 127.0)

Leishmaniasis – unspecified (ICD9: 085.9)

Methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)

Penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)

Schistosomiasis (ICD9: 120)

Streptococcus pneumoniae – other site (ICD9: 041.2)

Strongyloides (ICD9: 127.2)

Vancomycin resistant enterococci (VRE)

Tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Please feel free in contacting me should you have any questions about this report.

Thanking you

Dr. Suresh Khatkar

Epidemiologist, Communicable Diseases

# SUMMARY OF COMMUNICABLE DISEASE FOR May 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	3	5	3	0-7	17	22
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS		1	0	0-1		2
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER		1	0	0-1		1
320.1	BAC. MENINGITIS - PNEUM		2	0	0-1	1	3
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS		1		***		10
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS	1		1	0-3	3	1
008.43	CAMPYLOBACTER	8	19	19	1-37	63	69
558.2	CLOSTRIDIUM DIFFICILE	101	82		***	535	476
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2	1	2	0-5	9	9
061.0	DENGUE FEVER			0	0-0	2	2
065.4	DENGUE HEMORRHAGIC FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHThERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP	1	1	0	0-1	3	1
008.0	E. COLI-VEROTOXIGENIC	9	2	7	0-17	23	8
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	9	8	10	4-16	46	36
041.5	H.I.B.-NON MTGS			0	0-1		
041.59	HAEM. INFLUENZAE (non-B)		3		***		7
480.8	HANTA VIRUS		1	0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	2	3	3	0-11	6	5
070.3	HEPATITIS B			1	0-2	3	2
070.51	HEPATITIS C	29	38	37	18-56	113	150
054.8	HERPES-W-UNSPEC COMPL			0	0-0	4	
487.1A	INFLUENZA A				***		70
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1	1	
027.0	LISTERIA MONOCYTOGENES	1		0	0-1	1	
088.81	LYME DISEASE			0	0-2		
084	MALARIA	2	5	2	0-6	4	7
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			0	0-1	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		
B95.6	MRSA	99	141	60	0-131	549	745
072.9	MUMPS		3	0	0-1		3
036.89	N.MENINGITIDIS OTHER			0	0-1	2	3
728.86	NECROTIZING FASCIITIS		1	1	0-4	4	1
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		

\* 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.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	2	2	3	0-8	5	5
038.2	PNEUM. SEPTICEMIA	11	8	8	1-15	53	36
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		1
056.9	RUBELLA			0	0-0		1
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-4		1
003.0	SALMONELLA	15	11	14	5-23	68	94
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS		2	0	0-1	4	6
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-1		
711.0	STREP.PNEUM.ARTHRITIS			0	0-1	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			1	0-3		1
127.2	STRONGYLOIDES	1	4	0	0-1	1	10
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			1	0-4		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	2		2	0-5	15	6
011	TUBERCULOSIS - RESP.	9	3	8	4-12	41	31
010	TUBERCULOSIS-PRIM.			2	0-6	12	3
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	7	4		***	22	22
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1		
047.1	VIRAL MENINGITIS-ECHO	3		1	0-4	5	
047.8	VIRAL MENINGITIS-ENTERO				***	1	
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-0		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	1		1	0-3	7	5
		<b>318</b>	<b>352</b>			<b>1625</b>	<b>1857</b>

\* 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 May 2007

		<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/gendr	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS													2						1		1			1				5
005.8	B. CEREUS				1																							1	
320.9	BAC. MENINGITIS - OTHER									1																		1	
320.1	BAC. MENINGITIS - PNEUM																		1					1				2	
116.0	BLASTOMYCOSIS													1														1	
008.43	CAMPYLOBACTER		1							1		1	2					3	3		4	3	1					19	
558.2	CLOSTRIDIUM DIFFICILE	1			2					1	2	1		3	1	2	2	4	2	4	1	6	2	12	10	20	6		82
007.8	CRYPTOSPORIDIOSIS										1																	1	
123.4	DIPHYLLOBOTHRIUM																1											1	
008.0	E.COLI 0157											1											1					2	
007.1	GIARDIA LAMBLIA				3		2											1		1					1			8	
041.59	HAEM. INFLUENZAE (non-B)		2																				1					3	
480.8	HANTA VIRUS															1												1	
070.1	HEPATITIS A										1						1						1					3	
070.51	HEPATITIS C											1	1	2	1	11	4	8	4	4		1					1	38	
084	MALARIA				1				2			1						1										5	
B95.6	MRSA	3			5	10	5	8	2	1	4	4	2	1	5	2	6	11	5	5	5	7	4	12	6	4	11	13	141
072.9	MUMPS												2		1													3	
728.86	NECROTIZING FASCIITIS																1											1	
033.0	PERTUSSIS		1									1																2	
003.0	SALMONELLA								2	2				1		1			1	1	1		1	1				11	
004	SHIGELLOSIS		1									1																2	
038.2	STREP.PNEUMOCOCCAL SEPTIC				1							1	2			1				1	2							8	
127.2	STRONGYLOIDIASIS											1	1			1					1							4	
011	TUBERCULOSIS - RESP.										1	1											1					3	
B96.8	VANCOMYCIN RES. ENTER.																			1		1		1			1	4	

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/gendr	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		
		4	5	9	14	5	10	6	3	7	10	10	9	12	6	13	26	19	20	18	21	15	17	24	16	32	20		352

# SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR May 2007

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								
006.9	AMEBIASIS	5																	5				
005.8	B. CEREUS	1																	1				
320.9	BAC. MENINGITIS - OTHER	1																	1				
320.1	BAC. MENINGITIS - PNEUM	1				1													2				
116.0	BLASTOMYCOSIS	1																	1				
008.43	CAMPYLOBACTER	8	3			2	1				2	3							19				
558.2	CLOSTRIDIUM DIFFICILE	50	1		1	4	1	3		4		11		1		2	3	1	82				
007.8	CRYPTOSPORIDIOSIS	1																	1				
123.4	DIPHYLLOBOTHRIUM	1																	1				
008.0	E.COLI 0157	2																	2				
007.1	GIARDIA LAMBLIA	5					2		1										8				
041.59	HAEM. INFLUENZAE (non-B)	1											1	1					3				
480.8	HANTA VIRUS								1										1				
070.1	HEPATITIS A	3																	3				
070.51	HEPATITIS C	23	2		1	1	2	1		1		1		1			2	3	38				
084	MALARIA	5																	5				
B95.6	MRSA	61	5		1		1	1	4	1	1		3		2	4	4	48	4		1	141	
072.9	MUMPS	3																		3			
728.86	NECROTIZING FASCIITIS							1												1			
033.0	PERTUSSIS	1														1				2			
003.0	SALMONELLA	7	1			1				1				1						11			
004	SHIGELLOSIS	2																		2			
038.2	STREP.PNEUMOCOCCAL SEPTIC	3		1				1							2	1				8			
127.2	STRONGYLOIDIASIS	3								1										4			
011	TUBERCULOSIS - RESP.			1												2				3			
B96.8	VANCOMYCIN RES. ENTER.	3				1														4			
		191	12	2	3		10	5	13	1	10		15	2	8	5	9	54	8		3	1	352
Missing Investigation Forms (Jan.1 to end of April)		88	4		2		6		5		1		15				2	3	3				129

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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## STD Infection Summary Report - May 2007

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2006	2007	2006	2007
All Chlamydia Infections	284	414	1725	1933
All Gonorrhea Infections (including PRNG)	131	125	682	533
All Syphilis Infections	5	7	24	23
Gonorrhea & Chlamydia Co-infections	31	53	215	206
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	6	4	34	33

## Total Number of STD Cases by Age and Gender - May 2007

	<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/gendr	Total	
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M			
Chlamydia Only Cases							2	1	82	38	85	43	33	27	14	21	7	3		4		1							361
Gonorrhea Only Cases					1				11	7	11	10	4	5	6	9		1	2	4		1							72
Syphilis Only Cases												1		1	2	2				1									7
GC and CT Cases									13	12	11	4	6	2	3	1	1												53
					1		2	1	106	57	107	58	43	35	25	33	8	4	2	9		2							493
HIV											1			1	1	1													4

## Regional STD Distribution - May 2007

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	180	21	8	10		11	4	20	1	19		6	2	8	4	20	72	26		1	1	414
All Gonorrhea Infections	54	3	5	1		3		4		5						6	33	11				125
All Syphilis Infections	7																					7
GC and CT Infections	13	2	3			2				4						5	20	4				53



Missing Investigation Forms (Jan.1 to end of April)	83	26	4	5		5	1	13		8		16	2	4	1	9	27	7		1		212
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\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction



## Health

Healthy Living Division and Health Programs  
Public Health Branch  
Communicable Disease Control Unit  
Fourth Floor, 300 Carlton Street  
Winnipeg MB R3B 3M9  
CANADA  
Telephone: (204) 788-6786  
Fax: (204) 948-2040

## Santé

Division de la vie saine et des programmes de santé  
Direction de la santé publique  
Prévention des maladies transmissibles  
300, rue Carlton, 4<sup>e</sup> étage  
Winnipeg MB R3B 3M9  
CANADA  
Téléphone: (204) 788-6786  
Télécopieur: (204) 948-2040

Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of June 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive\* during the month of June 2007.

### Communicable Diseases

In total, there were **340** new infections occurring across 26 communicable diseases\*\* (excluding sexually transmitted infections and HIV) in June 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of 2 cases of Mumps with the expected range of 0-1 cases and three cases of *Diphyllobothrium* species with the expected range of 0-1 cases. The expected number of cases and accompanying range is based on the number of cases during May, June and July 2002-2006.

Both MRSA and *Clostridium difficile* accounted for 66% of all non-STI/HIV related communicable diseases reported to Manitoba Health. The *C. difficile* tend to concentrate in the 60+ age group, while cases of MRSA are reported in all age groups.

### Sexually Transmitted Infections & Blood-Borne Pathogens

There were **406** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in June: 296 cases of chlamydia (Ct), 58 cases of gonorrhoea (GC), 48 GC-Ct co-infections, and 4 cases of syphilis. The 42% of all GC and Ct cases in the province were reported among females of age group 15-24 years. More than half of all GC and Ct cases (51%) were reported for individuals living in the Winnipeg health region, and an additional 18% were from the Burntwood health region.

In June, 19 individuals tested positive for hepatitis C virus in Manitoba, which were exactly half the number of HCV cases reported in the month of May 2007. The 63% of this month HCV cases were reported from the Winnipeg health region. About 53% of all HCV positive cases were in the 40-59 years age groups, while 32% of total HCV cases were reported in the age group of 30-39 years. Two female Manitobans (including one nominal case which is not mentioned in the table) tested positive for HIV in June 2007.

\*Note: 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.

\*\*Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

Ascariasis (ICD9: 127.0)

Leishmaniasis – unspecified (ICD9: 085.9)

Methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)

Penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)

Schistosomiasis (ICD9: 120)

Streptococcus pneumoniae – other site (ICD9: 041.2)

Strongyloides (ICD9: 127.2)

Vancomycin resistant enterococci (VRE)

Tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Please feel free in contacting me should you have any questions about this report.

Thanking you

Dr. Suresh Khatkar  
Epidemiologist, Communicable Diseases

# SUMMARY OF COMMUNICABLE DISEASE FOR June 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	7	4	3	0-7	24	25
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		2
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-0		1
320.1	BAC. MENINGITIS - PNEUM			0	0-1	1	3
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS		6		***		16
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS	1	2	1	0-3	4	3
008.43	CAMPYLOBACTER	32	25	22	5-39	95	95
558.2	CLOSTRIDIUM DIFFICILE	86	68		***	621	544
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	1	2	0-5	10	11
061.0	DENGUE FEVER			0	0-0	2	2
065.4	DENGUE HEMORRHAGIC FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHThERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP	1	3	0	0-1	4	4
008.0	E. COLI-VEROTOXIGENIC	15	9	9	0-19	38	17
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-2		
007.1	GIARDIA LAMBLIA	8	6	12	4-20	54	42
041.5	H.I.B.-NON MTGS			0	0-1		
041.59	HAEM. INFLUENZAE (non-B)				***		7
480.8	HANTA VIRUS			0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		1
070.1	HEPATITIS A	1	1	3	0-11	7	6
070.3	HEPATITIS B	1		1	0-2	4	2
070.51	HEPATITIS C	32	19	35	17-53	145	170
054.8	HERPES-W-UNSPEC COMPL			0	0-1	4	
487.1A	INFLUENZA A				***		70
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1	1	
027.0	LISTERIA MONOCYTOGENES	1		0	0-1	2	
088.81	LYME DISEASE			0	0-2		
084	MALARIA	8		2	0-6	12	7
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-2	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCAL BLOOD			0	0-0		
B95.6	MRSA	126	158	73	0-167	675	903
072.9	MUMPS		2	0	0-1		5
036.89	N.MENINGITIDIS OTHER			0	0-1	2	3
728.86	NECROTIZING FASCIITIS	6	2	1	0-4	10	3
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		

\* 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.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS		1	4	0-9	5	6
038.2	PNEUM. SEPTICEMIA	9	8	7	1-13	62	45
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		1
056.9	RUBELLA		1	0	0-0		2
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-3		1
003.0	SALMONELLA	11	15	14	6-22	80	109
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	1	1	1	0-3	5	7
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-1		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE	1		0	0-1	1	1
127.2	STRONGYLOIDES	2		0	0-1	3	11
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS	1		1	0-5	1	
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI		1	0	0-0		1
013	TUBERCULOSIS - NON-RESP.	3	1	2	0-5	18	9
011	TUBERCULOSIS - RESP.	3	2	7	2-12	44	38
010	TUBERCULOSIS-PRIM.			1	0-6	12	2
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	3	1		***	25	23
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK	1		1	0-4	1	
047.1	VIRAL MENINGITIS-ECHO			3	0-10	5	
047.8	VIRAL MENINGITIS-ENTERO	1	1		***	2	1
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-0		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND		1		***		1
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	2	1	1	0-3	9	6
		<b>364</b>	<b>340</b>			<b>1990</b>	<b>2208</b>

\* 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 June 2007

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/gendr	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									4
116.0	BLASTOMYCOSIS											2						1		1		2							6
005.2	C. PERFRINGENS											2																	2
008.43	CAMPYLOBACTER				3	2	1	1			3	2	3		2			1	2		2	1				1	1		25
558.2	CLOSTRIDIUM DIFFICILE							1							1	1	2	2	1	4	2	8	6	4	8	17	11		68
007.8	CRYPTOSPORIDIOSIS									1																			1
123.4	DIPHYLLOBOTHRIUM				1				1											1									3
008.0	E.COLI 0157				4	2										1			1					1					9
007.1	GIARDIA LAMBLIA				2							1								2						1			6
070.1	HEPATITIS A																							1					1
070.51	HEPATITIS C											1		1		1	5	1	4	1	4		1						19
B95.6	MRSA		3	4	4	3	5	4	4	5	8		5	4	6	6	9	12	11	6	8	5	5	8	9	8	16		158
072.9	MUMPS											1				1													2
728.86	NECROTIZING FASCIITIS																	2											2
033.0	PERTUSSIS		1																										1
056.9	RUBELLA													1															1
003.0	SALMONELLA							1	2	1						1		2	1	2				2	1	2			15
004	SHIGELLOSIS																	1											1
038.2	STREP.PNEUMOCOCCAL SEPTIC			1	2											1					1	1				1	1		8
086	TRYPANOSOMIASIS																	1											1
013	TUBERCULOSIS - NON-RESP.																	1											1
011	TUBERCULOSIS - RESP.																			2									2
B96.8	VANCOMYCIN RES. ENTER.																			1									1
047.8	VIRAL MENINGITIS-ENTERO	1																											1
197	WNV Non-Neurological Synd																			1									1
008.44	YERSINIA ENTEROCOLITICA							1																					1

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/gendr	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		
		1	4	5	17	7	6	7	6	8	12	6	12	7	9	12	18	20	22	18	21	15	14	16	18	30	29		340

# SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR June 2007

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														1							4
116.0	BLASTOMYCOSIS	4	1									1											6
005.2	C. PERFRINGENS	2																					2
008.43	CAMPYLOBACTER	6	2				5				4		4		3			1					25
558.2	CLOSTRIDIUM DIFFICILE	48	4	1					1		5		7		2								68
007.8	CRYPTOSPORIDIOSIS								1														1
123.4	DIPHYLLOBOTHRIUM	2																	1				3
008.0	E.COLI 0157	4							3		1				1								9
007.1	GIARDIA LAMBLIA	1			1		1						2		1								6
070.1	HEPATITIS A														1								1
070.51	HEPATITIS C	12	1	1			1									2			1			1	19
B95.6	MRSA	74			2		2		5		3			1	3	1	7	54	5	1			158
072.9	MUMPS	2																					2
728.86	NECROTIZING FASCIITIS	1															1						2
033.0	PERTUSSIS	1																					1
056.9	RUBELLA	1																					1
003.0	SALMONELLA	10	1								1	1			2								15
004	SHIGELLOSIS	1																					1
038.2	STREP.PNEUMOCOCCAL SEPTIC	4			1				1				1					1					8
086	TRYPANOSOMIASIS	1																					1
013	TUBERCULOSIS - NON-RESP.																1						1
011	TUBERCULOSIS - RESP.	1															1						2
B96.8	VANCOMYCIN RES. ENTER.							1															1
047.8	VIRAL MENINGITIS-ENTERO	1																					1
197	WNV Non-Neurological Synd					1																	1
008.44	YERSINIA ENTEROCOLITICA	1																					1
		180	9	2	4		10	1	11		14	1	15	1	13	1	10	59	7	1		1	340
Missing Investigation Forms (Jan.1 to end of May)		125	6	1	1		4	2	11		4		3		2		4	5	5			1	174

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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## STD Infection Summary Report - June 2007

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2006	2007	2006	2007
All Chlamydia Infections	348	344	2073	2276
All Gonorrhea Infections (including PRNG)	143	106	825	638
All Syphilis Infections	7	4	31	27
Gonorrhea & Chlamydia Co-infections	49	48	264	254
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	3	1	37	33

## Total Number of STD Cases by Age and Gender - June 2007

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/gendr	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		10		68	21	64	35	29	26	15	18	3	5			1							296
Gonorrhea Only Cases									8	3	9	11	2	7	4	9		2		2		1						58
Syphilis Only Cases												1				2		1										4
GC and CT Cases									10	4	10	15	2	2	1	1		1		2								48
					1		10		86	28	83	62	33	35	20	30	3	9		4		2						406
HIV													1															1

## Regional STD Distribution - June 2007

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	177	18	5	12		4	4	6	1	12		9	3	6	6	16	47	14		3	1	344
All Gonorrhea Infections	49	3	5	3		1	1	3	1	5				2		5	16	11		1		106
All Syphilis Infections	4																					4
GC and CT Infections	19	3		2			1	1	1	1				1		3	10	6				48

Missing Investigation Forms (Jan.1 to end of May)	106	29	13	6		6	2	20		5		18	2	3	2	13	27	7				259
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\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

**Health**

Health and Healthy Living  
Public Health Division  
Communicable Disease Control Unit  
Fourth Floor, 300 Carlton Street  
Winnipeg MB R3B 3M9  
CANADA  
Telephone: 204-788-6734  
Fax: 204-948-2040

**Santé**

Santé et Vie saine  
Division de la santé publique  
Prévention des maladies transmissibles  
300, rue Carlton, 4<sup>e</sup> étage  
Winnipeg MB R3B 3M9  
CANADA  
Téléphone : 204-788-6734  
Télécopieur : 204-948-2040

Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of July 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive\* during the month of July 2007.

**Communicable Diseases**

In total, there were **404** new infections occurring across 24 communicable diseases\*\* (excluding sexually transmitted infections and HIV) in July 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of the following diseases:

- *Streptococcus pneumoniae* – 2 cases observed, 0-1 cases expected
- Vancomycin - resistant enterococci (VRE) – 5 cases observed

The expected number of cases and accompanying range is based on the number of cases during June, July and August, 2002-2006.

Together MRSA and *Clostridium difficile* accounted for 61% of all non-STI/HIV related communicable diseases reported to Manitoba Health. *C. difficile* cases tended to be concentrated in the 60+ age group, while cases of MRSA were reported in all age groups.

**Sexually Transmitted Infections & Blood-Borne Pathogens**

There were **524** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in July:

- 380 cases of chlamydia (Ct)
- 90 cases of gonorrhoea (GC)
- 49 GC-Ct co-infections and
- 5 cases of syphilis

The 43% of all GC and Ct cases in the province were reported among females of age group 15-24 years. More than half of all GC and Ct cases (56%) were reported for individuals living in the Winnipeg health region and an additional 25% were from the Burntwood health region.

In July, 21 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. 62% of HCV cases, this month, were reported from the Winnipeg health region. About 38% of all HCV positive cases were in the 40-59 year age groups, while 38% of total HCV cases were reported in the age group of 30-39 years. Two Manitobans in their twenties, four between 30 and 39 years of age and three between the ages of 40 and 49 years tested positive for HIV during July 2007.

\*Note: 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.

\*\*Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

Ascariasis (ICD9: 127.0)

Leishmaniasis – unspecified (ICD9: 085.9)

Methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)

Penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)

Schistosomiasis (ICD9: 120)

Streptococcus pneumoniae – other site (ICD9: 041.2)

Strongyloides (ICD9: 127.2)

Vancomycin resistant enterococci (VRE)

Tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Please feel free to contact me should you have any questions about this report.  
Thank you.

Sincerely,

***Myrna Dyck***

BN, MSc

Epidemiologist, Communicable Diseases

# SUMMARY OF COMMUNICABLE DISEASE FOR July 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	1		2	0-6	25	26
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		2
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-0		1
320.1	BAC. MENINGITIS - PNEUM			0	0-1	1	3
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS				***		16
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			1	0-3	4	3
008.43	CAMPYLOBACTER	25	34	26	13-39	120	129
558.2	CLOSTRIDIUM DIFFICILE	84	83		***	705	628
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	6	4	0-10	11	17
061.0	DENGUE FEVER			0	0-0	2	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHThERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP		3	1	0-3	4	8
008.0	E. COLI-VEROTOXIGENIC	28	7	14	0-34	66	25
054.3	ENCEPHALITIS	1		0	0-1	1	
005.9	FOOD POISONING OTHER	1		0	0-2	1	
007.1	GIARDIA LAMBLIA	21	10	15	7-23	75	55
041.5	H.I.B.-NON MTGS			0	0-1		
041.59	HAEM. INFLUENZAE (non-B)				***		7
480.8	HANTA VIRUS			0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		1
070.1	HEPATITIS A	2		2	0-5	9	6
070.3	HEPATITIS B		1	1	0-3	4	3
070.51	HEPATITIS C	24	21	33	17-49	169	194
054.8	HERPES-W-UNSPEC COMPL	1		0	0-1	5	
487.1A	INFLUENZA A				***		70
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA	1		0	0-1	1	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1	1	
027.0	LISTERIA MONOCYTOGENES	1		1	0-2	3	
088.81	LYME DISEASE	1	3	1	0-3	1	3
084	MALARIA	1	1	2	0-6	13	8
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-2	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCAL BLOOD			0	0-0		
B95.6	MRSA	161	164	85	0-193	836	1072
072.9	MUMPS	1		1	0-3	1	5
036.89	N.MENINGITIDIS OTHER			0	0-1	2	3
728.86	NECROTIZING FASCIITIS	1	4	1	0-4	11	7
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		

\* 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.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	1	3	4	0-10	6	9
038.2	PNEUM. SEPTICEMIA	10	6	7	0-14	72	51
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		1
056.9	RUBELLA			0	0-0		2
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER		1	0	0-2		2
003.0	SALMONELLA	10	13	16	9-23	90	124
120	SCHISTOSOMIASIS			0	0-1		
004	SHIGELLOSIS	1	1	1	0-4	6	8
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-1		
785.5	STAPHYLOCOCCUS AUREUS				***		1
481.9	STREP PNEUMONIA - PR			0	0-1		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE		2	0	0-1	1	3
127.2	STRONGYLOIDES	1		0	0-1	4	13
037	TETANUS			0	0-1		
130.9	TOXOPLASMOSIS			1	0-5	1	
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		1
013	TUBERCULOSIS - NON-RESP.			2	0-6	18	9
011	TUBERCULOSIS - RESP.	7		6	1-11	51	38
010	TUBERCULOSIS-PRIM.	1		1	0-4	13	2
021.9	TULAREMIA	1		0	0-1	1	
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	1	5		***	26	29
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK	3		2	0-6	4	1
047.1	VIRAL MENINGITIS-ECHO	2		4	0-12	7	
047.8	VIRAL MENINGITIS-ENTERO	1			***	3	
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION		1		***		1
198	WNV NEUROLOGICAL SYNDROME	7	3		***	7	3
197	WNV NON-NEUROLOGICAL SYND	11	10		***	11	14
066.3	WNV UNCLASSIFIED		21		***		21
008.44	YERSINIA ENTEROCOLITICA		1	1	0-3	9	7
		<b>413</b>	<b>404</b>			<b>2403</b>	<b>2635</b>

\* 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 July 2007

		<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/gendr	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
008.43	CAMPYLOBACTER			1	2	1	2		1		2	4	1			1	4		6	2	2	2			1	2			34
558.2	CLOSTRIDIUM DIFFICILE						1			1				1		2	1	3	3	6	3	10	6	10	7	18	11		83
007.8	CRYPTOSPORIDIOSIS				1	1	1	1			1							1										6	
123.4	DIPHYLLOBOTHRIMUM													1			1				1							3	
008.0	E.COLI 0157			2	1						2				1					1								7	
007.1	GIARDIA LAMBLIA	1						1	1	1	1				1	1	1			1		1						10	
070.3	HEPATITIS B																			1								1	
070.51	HEPATITIS C													1	2	3	5	3	3		2						1	1	21
088.81	LYME DISEASE															1				1	1							3	
084	MALARIA																	1										1	
B95.6	MRSA	3	2	5	8	7	7	7	5	5	11	5	3	1	7	9	13	7	1	7	4	4	7	8	8	12	8		164
728.86	NECROTIZING FASCIITIS																2				1		1					4	
033.0	PERTUSSIS	1			1							1																3	
003.0	SALMONELLA				1				2	2							1						1	1	2	1	2	13	
004	SHIGELLOSIS										1																	1	
481	STREP. PNEUMONIAE PNEUMON																		1								1	2	
041.2	STREP.PNEUM.OTHER																			1								1	
038.2	STREP.PNEUMOCOCCAL SEPTIC											2				1	2		1									6	
B96.8	VANCOMYCIN RES. ENTER.																							2	1	2		5	
196	WNV Asymptomatic Infectio																					1						1	
198	WNV Neurological Syndrome										1									1							1	3	
197	WNV Non-Neurological Synd									2						1	1		1	3	2		3		1			14	
066.3	WNV Unclassified														1				3	1	4	1	4	1	2	1	3	21	
008.44	YERSINIA ENTEROCOLITICA																				1							1	
		5	2	8	14	9	11	9	9	11	19	12	4	3	13	18	31	15	20	23	20	21	23	22	22	36	27		408

# SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR July 2007

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				
008.43	CAMPYLOBACTER	12	2		1		5				7		5					1	1				34
558.2	CLOSTRIDIUM DIFFICILE	47	3		5		1	1	4		9		6	1	3			2	1				83
007.8	CRYPTOSPORIDIOSIS	1					2				1				2								6
123.4	DIPHYLLOBOTHRIUM	2																1					3
008.0	E.COLI 0157	3	2				2																7
007.1	GIARDIA LAMBLIA	6									2		1	1									10
070.3	HEPATITIS B	1																					1
070.51	HEPATITIS C	13	1				1	2			2				1						1		21
088.81	LYME DISEASE	1							2														3
084	MALARIA	1																					1
B95.6	MRSA	60	2	3	2		3	4	1		2		3		2		9	65	8				164
728.86	NECROTIZING FASCIITIS	2		1	1																		4
033.0	PERTUSSIS	3																					3
003.0	SALMONELLA	6							1		5				1								13
004	SHIGELLOSIS	1																					1
481	STREP. PNEUMONIAE PNEU MON.						1		1														2
041.2	STREP.PNEUM.OTHER	1																					1
038.2	STREP.PNEUMOCOCCAL SE PTIC	5							1														6
B96.8	VANCOMYCIN RES. ENTER.	5																					5
196	WNV Asymptomatic Infectio				1																		1
198	WNV Neurological Syndrome	1			1						1												3
197	WNV Non-Neurological Synd	3	1				1		3		5		1										14
066.3	WNV Unclassified	13	2		1		2		1		1				1								21
008.44	YERSINIA ENTEROCOLITICA												1										1
		187	13	4	12		18	7	14		35		17	3	9		9	69	10		1		408
Missing Investigation Forms (Jan.1 to end of June)		114	11	2	2		8	2	16		4		11		3		7	6	5			1	192

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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## STI Infection Summary Report - July 2007

	MONTHLY TOTAL		YEAR TO DATE	
DISEASE/INFECTION	2006	2007	2006	2007
All Chlamydia Infections	314	429	2387	2737
All Gonorrhea Infections (including PRNG)	118	139	943	786
All Syphilis Infections		5	31	32
Gonorrhea & Chlamydia Co-infections	39	49	303	308
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				

HIV	8	9	51	39
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## Total Number of STI Cases by Age and Gender - July 2007

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	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		age/ gender	
	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	90	33	96	39	50	22	21	19	3	3	1									380
Gonorrhea Only Cases	1								6	5	14	8	13	11	8	6	1	13	2			2						90
Syphilis Only Cases											1					1		2	1									5
GC and CT Cases							1		9	8	8	8	3	3	2	6		1										49
	1						3	1	105	46	119	55	66	36	31	32	4	19	4			2						524

HIV											1	1			1	3	1	2										9
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## Regional STI Distribution - July 2007

Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill		OOP	Missing	TOTAL
<b>Case Referred to: *</b>			<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>			
All Chlamydia Infections	199	20	8	7		10	2	18		20		13	1	14	2	26	63	25				1	429
All Gonorrhea Infections	69		5	4		3		3		5				2	3	15	20	9			1		139
All Syphilis Infections	4			1																			5
GC and CT Infections	21			2		3		2						1	1	6	8	5					49

**Health**

Health and Healthy Living  
Public Health Division  
Communicable Disease Control Unit  
Fourth Floor, 300 Carlton Street  
Winnipeg MB R3B 3M9  
CANADA  
Telephone: 204-788-6734  
Fax: 204-948-2040

**Santé**

Santé et Vie saine  
Division de la santé publique  
Prévention des maladies transmissibles  
300, rue Carlton, 4<sup>e</sup> étage  
Winnipeg MB R3B 3M9  
CANADA  
Téléphone : 204-788-6734  
Télécopieur : 204-948-2040

Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of August 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive\* during the month of August 2007.

**Communicable Diseases**

In total, there were **824** new infections occurring across 24 communicable diseases\*\* (excluding sexually transmitted infections and HIV) in August 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of the following diseases:

- Ascariasis – 1 case reported, 0 cases expected
- Brucellosis – 1 case reported, 0 cases expected
- Cryptosporidiosis – 18 cases observed, 0 – 11 cases expected
- *Diphyllobothrium spp.* – 4 cases observed, 0 – 2 cases expected
- Methicillin Resistant *Staphylococcus aureus* (MRSA) – 250 cases observed, 0 – 211 cases expected
- *Salmonella spp.* – 24 cases observed, 8 – 22 cases expected

The expected number of cases and accompanying range is based on the number of cases during July, August and September, 2002-2006.

Together MRSA and *Clostridium difficile* accounted for 38.3% of all non-STI/HIV related communicable diseases reported to Manitoba Health. *C. difficile* cases tended to be concentrated in the 60+ age group, while cases of MRSA were reported in all age groups. West Nile Virus reported cases accounted for 45.9% of all non-STI/HIV related communicable diseases reported to Manitoba Health.

**Sexually Transmitted Infections & Blood-Borne Pathogens**

There were **620** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in August:

- 472 cases of chlamydia (Ct)
- 88 cases of gonorrhoea (GC)
- 54 GC-Ct co-infections and
- 6 cases of syphilis

The 45% of all GC and Ct cases in the province were reported among females of age group 15-24 years. More than half of all GC and Ct cases (53%) were reported for individuals living in the Winnipeg health region and an additional 23% were from the Burntwood health region.

In August, 20 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. 70% of HCV cases, this month, were reported from the Winnipeg health region. About 45% of all HCV positive cases were in the 40-59 year age groups, while 25% of total HCV cases were reported in the age group of 30-39 years. Two Manitobans in their twenties, three between 30 and 39 years of age and two between the ages of 40 and 49 years tested positive for HIV during August 2007.

\*Note: 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.

\*\*Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

Ascariasis (ICD9: 127.0)

Leishmaniasis – unspecified (ICD9: 085.9)

Methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)

Penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)

Schistosomiasis (ICD9: 120)

Streptococcus pneumoniae – other site (ICD9: 041.2)

Strongyloides (ICD9: 127.2)

Vancomycin resistant enterococci (VRE)

Tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at 315 - 258 Portage Avenue

Please feel free to contact me should you have any questions about this report.  
Thank you.

Sincerely,

**Myrna Dyck** BN, MSc  
Epidemiologist, Communicable Diseases

# SUMMARY OF COMMUNICABLE DISEASE FOR August 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	1	2	2	0-4	26	27
022	ANTHRAX	1			***	1	
127.0	ASCARIASIS		1	0	0-0		1
005.8	B. CEREUS			0	0-1		2
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-0		1
320.1	BAC. MENINGITIS - PNEUM	1		0	0-1	2	3
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS		1		***		17
005.1	BOTULISM				***		
023	BRUCELLOSIS		1	0	0-0		1
005.2	C. PERFRINGENS		1	1	0-6	4	4
008.43	CAMPYLOBACTER	27	19	28	19-37	147	150
558.2	CLOSTRIDIUM DIFFICILE	79	66		***	784	694
046.1	CREUTZFELD-JACOB DISEASE				***	1	
007.8	CRYPTOSPORIDIOSIS	7	18	5	0-11	18	36
061.0	DENGUE FEVER			0	0-0	2	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHThERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP		4	0	0-2	4	11
008.0	E. COLI-VEROTOXIGENIC	51	5	13	0-33	117	31
054.3	ENCEPHALITIS			0	0-1	1	
005.9	FOOD POISONING OTHER			0	0-2	1	
007.1	GIARDIA LAMBLIA	18	9	16	6-26	93	66
041.5	H.I.B.-NON MTGS			0	0-1		
041.59	HAEM. INFLUENZAE (non-B)				***		7
480.8	HANTA VIRUS			0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		1
070.1	HEPATITIS A	2	1	2	0-4	11	7
070.3	HEPATITIS B	2		1	0-3	6	3
070.51	HEPATITIS C	33	20	33	19-47	202	217
054.8	HERPES-W-UNSPEC COMPL		1	0	0-1	5	1
487.1A	INFLUENZA A				***		70
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA	1		0	0-1	2	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY	1		0	0-1	2	
027.0	LISTERIA MONOCYTOGENES			0	0-1	3	
088.81	LYME DISEASE	1		0	0-1	2	4
084	MALARIA		1	1	0-3	13	9
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-2	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCAL BLOOD			0	0-0		
B95.6	MRSA	183	250	95	0-211	1019	1330
072.9	MUMPS		1	1	0-3	1	6
036.89	N.MENINGITIDIS OTHER		1	0	0-1	2	4
728.86	NECROTIZING FASCIITIS	3		1	0-3	14	8
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		

\* 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.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	1	2	5	0-12	7	14
038.2	PNEUM. SEPTICEMIA	12	4	6	0-12	84	55
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		1
056.9	RUBELLA			0	0-0		2
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			0	0-2		2
003.0	SALMONELLA	17	24	15	8-22	107	151
120	SCHISTOSOMIASIS	1		0	0-1	1	
004	SHIGELLOSIS	3	2	1	0-4	9	10
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-1		
785.5	STAPHYLOCOCCUS AUREUS				***		1
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1	1	3
127.2	STRONGYLOIDES		1	0	0-1	4	14
037	TETANUS	1		0	0-1	1	
130.9	TOXOPLASMOSIS			1	0-5	1	
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		1
013	TUBERCULOSIS - NON-RESP.			3	0-9	18	9
011	TUBERCULOSIS - RESP.	4	3	6	0-13	55	45
010	TUBERCULOSIS-PRIM.			1	0-4	13	2
021.9	TULAREMIA			0	0-1	1	
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	1	4		***	27	33
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK	5	2	2	0-6	9	4
047.1	VIRAL MENINGITIS-ECHO			6	0-13	7	
047.8	VIRAL MENINGITIS-ENTERO	1	2		***	4	2
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION	1	5		***	1	7
198	WNV NEUROLOGICAL SYNDROME	9	19		***	16	34
197	WNV NON-NEUROLOGICAL SYND	20	124		***	31	188
066.3	WNV UNCLASSIFIED		231		***		246
008.44	YERSINIA ENTEROCOLITICA	1	1	1	0-3	10	8
		<b>488</b>	<b>826</b>			<b>2892</b>	<b>3546</b>

\* 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 August 2007

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/gendr	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
127.0	ASCARIASIS			1																									1
116.0	BLASTOMYCOSIS																							1					1
023	BRUCELLOSIS											1																	1
005.2	C. PERFRINGENS																									1			1
008.43	CAMPYLOBACTER				2				3	1	2			1			1	1	1	2	3	1					1		19
558.2	CLOSTRIDIUM DIFFICILE		1		1				1				2	1		3	4		1	6	3	3	6	7	6	12	9		66
007.8	CRYPTOSPORIDIOSIS	1			2	2	4	1	3		1				1	1		2											18
123.4	DIPHYLLOBOTHRIUM							1	1							1		1											4
008.0	E.COLI 0157				1				2			1			1														5
007.1	GIARDIA LAMBLIA									1		3			1			2	1			1							9
070.1	HEPATITIS A																	1											1
070.51	HEPATITIS C												1			2	3	3	6	1	3						1		20
054.8	HERPES-W-UNSPEC COMPL									1																			1
084	MALARIA						1																						1
B95.6	MRSA	2	1	12	15	11	15	8	16	5	11	6	7	5	8	13	25	11	12	6	7	5	6	3	11	17	12		250
072.9	MUMPS	1																											1
036.89	NEISSERIA MGTS(other)										1																		1
033.0	PERTUSSIS	1	1																										2
003.0	SALMONELLA		1	2			1		2			1	1	1	2	3	1		2	3				1	1		2		24
004	SHIGELLOSIS					1														1									2
038.2	STREP.PNEUMOCOCCAL SEPTIC				1										1			1		1									4
127.2	STRONGYLOIDIASIS											1																	1
011	TUBERCULOSIS - RESP.														1						1					1			3
B96.8	VANCOMYCIN RES. ENTER.																					1			1		2		4
047.0	VIRAL MENINGITIS-COXSACK						1										1												2

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/gendr	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		
047.8	VIRAL MENINGITIS-ENTERO	1				1																							2
196	WNV Asymptomatic Infectio													1				1		2	1	2							7
198	WNV Neurological Syndrome									2		1	1	2				2	4	2	2	6	3	3	2	4			34
197	WNV Non-Neurological Synd							2	2	4		2	2	5	1	12	13	18	30	23	26	10	20	6	9		3		188
066.3	WNV Unclassified							1	2	9	4	4	11	7	12	20	33	35	20	28	12	19	7	13	5	3	1		246
008.44	YERSINIA ENTEROCOLITICA													1															1
		6	4	15	22	15	23	12	31	14	26	19	18	25	27	47	68	72	93	67	75	36	59	27	45	38	36		922

# SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR August 2007

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
127.0	ASCARIASIS																	1					1
116.0	BLASTOMYCOSIS	1																					1
023	BRUCELLOSIS	1																					1
005.2	C. PERFRINGENS											1											1
008.43	CAMPYLOBACTER	8			1		4		2		2	1						1					19
558.2	CLOSTRIDIUM DIFFICILE	38	5		1		2		4		7	6		2					1				66
007.8	CRYPTOSPORIDIOSIS	8			1		2		2		2	3											18
123.4	DIPHYLLOBOTHRIUM	4																					4
008.0	E.COLI 0157	2					1				2												5
007.1	GIARDIA LAMBLIA	6					1		1			1											9
070.1	HEPATITIS A								1														1
070.51	HEPATITIS C	14	2						1		1			1								1	20
054.8	HERPES-W-UNSPEC COMPL	1																					1
084	MALARIA	1																					1
B95.6	MRSA	80	4	4	7		3	1	3		3	5	2	5	6	12	98	13	1		3		250
072.9	MUMPS	1																					1
036.89	NEISSERIA MGTS(Other)										1												1
033.0	PERTUSSIS	1															1						2
003.0	SALMONELLA	15	1				5				1	1					1						24
004	SHIGELLOSIS	2																					2
038.2	STREP.PNEUMOCOCCAL SE	2							1										1				4
127.2	STRONGYLOIDIASIS	1																					1
011	TUBERCULOSIS - RESP.	2					1																3
B96.8	VANCOMYCIN RES. ENTER.	3										1											4
047.0	VIRAL MENINGITIS-COXSACK										1		1										2
047.8	VIRAL MENINGITIS-ENTERO	2																					2
196	WNV Asymptomatic Infectio	2			1		1		1		1	1											7
198	WNV Neurological Syndrome	14	3		2		1		3		5	6											34
197	WNV Non-Neurological Synd	41	19		14		14		18		50	28		4									188

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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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				
066.3	WNV Unclassified	54	50		3		9		11		32		77		10								246
008.44	YERSINIA ENTEROCOLITICA						1																1
		306	84	4	30		45	1	48		108		131	3	22	6	12	102	15	1		4	922
Missing Investigation Forms (Jan.1 to end of July)		114	11	3	1		6	2	13		7		11		4		7	7	5			1	192

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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## STD Infection Summary Report - August 2007

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2006	2007	2006	2007
All Chlamydia Infections	394	526	2781	3273
All Gonorrhea Infections (including PRNG)	145	142	1087	932
All Syphilis Infections	7	6	38	35
Gonorrhea & Chlamydia Co-infections	32	54	335	364
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	8	7	52	55

## Total Number of STD Cases by Age and Gender - August 2007

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/gendr	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		3		124	35	105	53	45	34	31	22	5	8	1	4	1							472
Gonorrhea Only Cases			1		2		3	1	10	3	16	4	5	7	12	8	2	9	3	2								88
Syphilis Only Cases																		4		1		1						6
GC and CT Cases									11	4	11	10	5	5	1	2		2		2					1			54
			1		3		6	1	145	42	132	67	55	46	44	32	7	23	4	9	1	1			1			620
HIV														2		3		2										7

## Regional STD Distribution - August 2007

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	238	33	8	18		8	7	20		24		21	4	20	9	19	59	33		3	2	526
All Gonorrhea Infections	69	3	9	4		1		1		5				3	4	11	18	13			1	142
All Syphilis Infections	4						1														1	6
GC and CT Infections	17	2	2	2						3				3	2	6	11	5			1	54

**Health**

Health and Healthy Living  
Public Health Division  
Communicable Disease Control Branch  
Fourth Floor, 300 Carlton Street  
Winnipeg MB R3B 3M9  
CANADA  
Telephone: 204-788-6734  
Fax: 204-948-2040

**Santé**

Santé et Vie saine  
Division de la santé publique  
Prévention des maladies transmissibles  
300, rue Carlton, 4<sup>e</sup> étage  
Winnipeg MB R3B 3M9  
CANADA  
Téléphone : 204-788-6734  
Télécopieur : 204-948-2040

Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of September 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive\* during the month of September 2007.

**Communicable Diseases**

In total, there were **467** new infections occurring across 29 communicable diseases\*\* (excluding sexually transmitted infections and HIV) in September 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of the following diseases:

- Cryptosporidiosis – 14 cases reported, 0 – 11 cases expected
- MRSA – 220 cases reported, 0 – 212 cases expected
- *Trypanosoma cruzi* – 1 case observed, 0 cases expected

The expected number of cases and accompanying range is based on the number of cases during August, September and October, 2002-2006.

Together MRSA and *Clostridium difficile* accounted for 63.0% of all non-STI/HIV related communicable diseases reported to Manitoba Health. *C. difficile* cases tended to be concentrated in the 60+ age group, while cases of MRSA were reported in all age groups. There were reported 35 cases of West Nile virus to Manitoba Health during September leading to a total thus far for 2007 of 565 WNV positive reports.

**Sexually Transmitted Infections & Blood-Borne Pathogens**

There were **632** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in September:

- 471 cases of chlamydia (Ct)
- 89 cases of gonorrhoea (GC)
- 69 GC-Ct co-infections and
- 3 cases of syphilis

Forty-six per cent of all GC and Ct cases in the province were reported among females of age group 15-24 years. More than half of all GC and Ct cases (54%) were reported for individuals living in the Winnipeg Health Region and an additional 30% were from the Burntwood Health Region.

In September, 33 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Seventy per cent of HCV cases, this month, were reported from the Winnipeg Health Region. About 54% of all HCV positive cases were in the 30-49 year age groups, while 18% of total HCV cases were reported in the age group of

50-59 years. Five Manitobans, in age cohorts that ranged from 15 to 59, tested positive for HIV during September 2007.

\*Note: 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.

\*\*Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are not reported out for public health follow-up:

Ascariasis (ICD9: 127.0)

Leishmaniasis – unspecified (ICD9: 085.9)

Methicillin or vancomycin resistant *Staphylococcus aureus* (MRSA/VRSA)

Penicillin-resistant *Streptococcus pneumoniae* (ICD9: 481.9)

Schistosomiasis (ICD9: 120)

*Streptococcus pneumoniae* – other site (ICD9: 041.2)

*Strongyloides* (ICD9: 127.2)

Vancomycin resistant enterococci (VRE)

Tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at 315 - 258 Portage Avenue

Please feel free to contact me should you have any questions about this report.  
Thank you.

Sincerely,

**Myrna Dyck** BN, MSc

Epidemiologist, Communicable Diseases

Manitoba Health and Healthy Living Surveillance System

# SUMMARY OF COMMUNICABLE DISEASE FOR September 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	3	2	2	0-5	29	31
022	ANTHRAX				***	1	
127.0	ASCARIASIS			0	0-0		1
005.8	B. CEREUS			0	0-1		2
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		1
320.1	BAC. MENINGITIS - PNEUM			0	0-1	2	3
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS		1		***		18
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		1
005.2	C. PERFRINGENS	1		1	0-6	5	5
008.43	CAMPYLOBACTER	30	15	26	16-36	177	167
558.2	CLOSTRIDIUM DIFFICILE	92	74		***	876	768
046.1	CREUTZFELD-JACOB DISEASE	1			***	2	
007.8	CRYPTOSPORIDIOSIS	8	14	4	0-11	26	55
061.0	DENGUE FEVER			0	0-0	2	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHThERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP		1	0	0-2	4	12
008.0	E. COLI-VEROTOXIGENIC	14	4	12	0-35	131	37
054.3	ENCEPHALITIS			0	0-0	1	
005.9	FOOD POISONING OTHER			0	0-2	1	
007.1	GIARDIA LAMBLIA	10	7	15	5-25	103	76
041.5	H.I.B.-NON MTGS	1		0	0-1	1	
041.59	HAEM. INFLUENZAE (non-B)				***		7
480.8	HANTA VIRUS			0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		1
070.1	HEPATITIS A			1	0-3	11	7
070.3	HEPATITIS B		1	1	0-3	6	4
070.51	HEPATITIS C	33	33	36	24-48	235	252
054.8	HERPES-W-UNSPEC COMPL			0	0-0	5	1
487.1A	INFLUENZA A				***		70
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1	2	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1	2	
027.0	LISTERIA MONOCYTOGENES	1		0	0-1	4	
088.81	LYME DISEASE			0	0-1	2	4
084	MALARIA	3	2	1	0-3	16	11
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		
B95.6	MRSA	188	220	97	0-212	1207	1549
072.9	MUMPS		2	0	0-2	1	8
036.89	N.MENINGITIDIS OTHER			0	0-1	2	4
728.86	NECROTIZING FASCIITIS	1		1	0-3	15	9
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS		1	0	0-0		1
033.1	PARAPERTUSSIS				***		

\* 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.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	1		5	0-13	8	14
038.2	PNEUM. SEPTICEMIA	6	9	7	0-16	90	64
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		1
056.9	RUBELLA			0	0-0		2
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-3		2
003.0	SALMONELLA	13	20	16	9-23	120	173
120	SCHISTOSOMIASIS		1	0	0-1	1	1
004	SHIGELLOSIS	1	2	2	0-5	10	12
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-1		
785.5	STAPHYLOCOCCUS AUREUS				***		1
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1	1	3
127.2	STRONGYLOIDES	1		0	0-1	5	15
037	TETANUS			0	0-1	1	
130.9	TOXOPLASMOSIS			1	0-5	1	
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI		1	0	0-0		2
013	TUBERCULOSIS - NON-RESP.		4	2	0-8	18	14
011	TUBERCULOSIS - RESP.	4	8	6	0-13	59	60
010	TUBERCULOSIS-PRIM.		1	1	0-3	13	3
021.9	TULAREMIA			0	0-1	1	1
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI		6		***	27	39
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK	1	1	1	0-5	10	6
047.1	VIRAL MENINGITIS-ECHO	1	1	4	0-11	8	2
047.8	VIRAL MENINGITIS-ENTERO		1		***	4	1
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***	1	8
198	WNV NEUROLOGICAL SYNDROME	1	1		***	17	63
197	WNV NON-NEUROLOGICAL SYND	2	25		***	33	453
066.3	WNV UNCLASSIFIED		9		***		41
008.44	YERSINIA ENTEROCOLITICA	2		1	0-3	13	7
		<b>419</b>	<b>467</b>			<b>3312</b>	<b>4096</b>

\* 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 September 2007

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/gendr	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
116.0	BLASTOMYCOSIS							1																					1
008.43	CAMPYLOBACTER				1	1		1	1	1	1			2		1		1		2	1	1							15
558.2	CLOSTRIDIUM DIFFICILE		1									3				1	2	4	2	5	4	8	7	9	6	9	13		74
007.8	CRYPTOSPORIDIOSIS			2	1		1	2	2				1	2				1		1			1						14
123.4	DIPHYLLOBOTHRIUM															1													1
008.0	E. COLI 0157					1													1		2								4
323.9	ENCEPHALITIS OTHER																									1			1
007.1	GIARDIA LAMBLIA				1							3						1	1				1						7
070.3	HEPATITIS B																	1											1
070.51	HEPATITIS C								1			1		3	2	6	5	5	2	4		3	1						33
084	MALARIA															1		1											2
B95.6	MRSA	7	3	4	9	17	9	8	6	6	9	10	7	7	7	12	15	10	11	6	6	8	10	7	9	11	6		220
072.9	MUMPS			1														1											2
003.0	SALMONELLA			1		2	1			1	1			1		1	4		2		3		1		1		1		20
120	SCHISTOSOMIASIS							1																					1
004	SHIGELLOSIS															1	1												2
038.2	STREP.PNEUMOCOCCAL SEPTIC			1												1			3		1		2		1				9
086	TRYPANOSOMIASIS																				1								1
013	TUBERCULOSIS - NON-RESP.							1						1								1				1			4
011	TUBERCULOSIS - RESP.								1			1				2	1	1	1							1			8
010	TUBERCULOSIS-PRIM.				1																								1
B96.8	VANCOMYCIN RES. ENTER.																				1	3		1	1				6
047.0	VIRAL MENINGITIS-COXSACK	1																											1
047.1	VIRAL MENINGITIS-ECHO														1														1
047.8	VIRAL MENINGITIS-ENTERO		1																										1

# SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR September 2007

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
116.0	BLASTOMYCOSIS	1																					1
008.43	CAMPYLOBACTER	7					4		1				2		1								15
558.2	CLOSTRIDIUM DIFFICILE	49	3		6				5		3		2		2		1		3				74
007.8	CRYPTOSPORIDIOSIS	5	2				1		2		4												14
123.4	DIPHYLLOBOTHRIUM	1																					1
008.0	E. COLI 0157				2		1											1					4
323.9	ENCEPHALITIS OTHER	1																					1
007.1	GIARDIA LAMBLIA	3									3		1										7
070.3	HEPATITIS B										1												1
070.51	HEPATITIS C	18			1			3	1		3		2		1	1	1		1		1		33
084	MALARIA	2																					2
B95.6	MRSA	61	1		5		3	1	7		2		6	2	3	5	18	98	7			1	220
072.9	MUMPS	1			1																		2
003.0	SALMONELLA	10	1				3		1		3		1						1				20
120	SCHISTOSOMIASIS	1																					1
004	SHIGELLOSIS	2																					2
038.2	STREP.PNEUMOCOCCAL SEPTIC	3	1					1			2					1		1					9
086	TRYPANOSOMIASIS						1																1
013	TUBERCULOSIS - NON-RESP.	2		1														1					4
011	TUBERCULOSIS - RESP.	3																5					8
010	TUBERCULOSIS-PRIM.																	1					1
B96.8	VANCOMYCIN RES. ENTER.	4											1		1								6
047.0	VIRAL MENINGITIS-COXSACK	1																					1
047.1	VIRAL MENINGITIS-ECHO														1								1
047.8	VIRAL MENINGITIS-ENTERO	1																					1
196	WNV Asymptomatic Infectio	1			1		1		1		1		3										8
198	WNV Neurological Syndrome	24	5		2		2		4		6		18		2								63
197	WNV Non-Neurological Synd	82	64		18		24		33		92		126		14								453
066.3	WNV Unclassified	22	4				1		2		8		4										41

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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## STD Infection Summary Report - September 2007

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2006	2007	2006	2007
All Chlamydia Infections	366	540	3147	3815
All Gonorrhea Infections (including PRNG)	137	158	1224	1093
All Syphilis Infections	5	3	35	34
Gonorrhea & Chlamydia Co-infections	46	69	381	435
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	10	5	62	60

## Total Number of STD Cases by Age and Gender - September 2007

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/gendr	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				3		115	33	108	49	44	33	37	24	6	7	5	1	4	1						471
Gonorrhea Only Cases			1				1	1	14	6	14	12	6	8	6	10	3	5		1		1						89
Syphilis Only Cases															1			1		1								3
GC and CT Cases									18	4	19	6	6	5	3	4		4										69
			2				4	1	147	43	141	67	56	46	47	38	9	17	5	3	4	2						632
HIV									1						1	1		1		1								5

## Regional STD Distribution - September 2007

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	243	32	3	13		9	11	8		31		9	2	29	17	19	79	34			1	540
All Gonorrhea Infections	76	1	2	2		1	5	2		8		2		5	2	7	39	6				158
All Syphilis Infections	3																					3
GC and CT Infections	22	1		1			3	1		5		1		2		3	25	5				69

**Health**

Health and Healthy Living  
Public Health Division  
Communicable Disease Control Branch  
Fourth Floor, 300 Carlton Street  
Winnipeg MB R3B 3M9  
CANADA  
Telephone: 204-788-6734  
Fax: 204-948-2040

**Santé**

Santé et Vie saine  
Division de la santé publique  
Prévention des maladies transmissibles  
300, rue Carlton, 4<sup>e</sup> étage  
Winnipeg MB R3B 3M9  
CANADA  
Téléphone : 204-788-6734  
Télécopieur : 204-948-2040

Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of October 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive\* during the month of October 2007.

**Communicable Diseases**

In total, there were **422** new infections occurring across 31 communicable diseases\*\* (excluding sexually transmitted infections and HIV) in October 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of the following diseases:

- Diphtheria carriers – 3 cases reported, 0 – 1 cases expected
- Lyme disease – 1 case reported, 0 cases expected
- MRSA – 216 cases reported, 0 – 212 cases expected
- Rubella – there was one case reported – after reviewing the history, this case has been declared unusual and does not meet normal case definitions in Manitoba (however, as it was based on a positive lab report, it is included in this monthly summary)
- Viral meningitis due to CoxSackie disease – 1 case observed, 0 - 1 cases expected

The expected number of cases and accompanying range is based on the number of cases during September, October and November, 2002-2006.

Together MRSA and *Clostridium difficile* accounted for 67.0% of all non-STI/HIV related communicable diseases reported to Manitoba Health. *C. difficile* cases tended to be concentrated in the 60+ age group, while cases of MRSA were reported in all age groups. There were reported 4 cases of West Nile virus to Manitoba Health during October leading to a total thus far for 2007 of 583 WNV positive reports.

**Sexually Transmitted Infections & Blood-Borne Pathogens**

There were **763** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in October:

- 614 cases of chlamydia (Ct)
- 87 cases of gonorrhoea (GC)
- 60 GC-Ct co-infections and
- 2 cases of syphilis

Forty-four per cent of all GC and Ct cases in the province were reported among females of age group 15-24 years. More than half of all GC and Ct cases (53%) were reported for individuals living in the Winnipeg Health Region and an additional 20% were from the Burntwood Health Region.

Two cases of syphilis were reported during October, 2007. In October, 33 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Nine Manitobans, in age cohorts that ranged from 15 to 79, tested positive for HIV during October 2007. 5 HIV positive reports were for females aged 15 to 39 and 4 HIV positive reports were for men aged 40 to 79 years old.

\*Note: 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.

\*\*Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are not reported out for public health follow-up:

Ascariasis (ICD9: 127.0)

Leishmaniasis – unspecified (ICD9: 085.9)

Methicillin or vancomycin resistant *Staphylococcus aureus* (MRSA/VRSA)

Penicillin-resistant *Streptococcus pneumoniae* (ICD9: 481.9)

Schistosomiasis (ICD9: 120)

*Streptococcus pneumoniae* – other site (ICD9: 041.2)

*Strongyloides* (ICD9: 127.2)

Vancomycin resistant enterococci (VRE)

Tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at 315 - 258 Portage Avenue

Please feel free to contact me should you have any questions about this report.  
Thank you.

Sincerely,

**Myrna Dyck** BN, MSc  
Epidemiologist, Communicable Diseases  
Public Health Surveillance System  
Manitoba Health and Healthy Living

# SUMMARY OF COMMUNICABLE DISEASE FOR October 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	4	3	2	0-4	34	34
022	ANTHRAX				***	1	
127.0	ASCARIASIS			0	0-0		1
005.8	B. CEREUS			0	0-1		2
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		1
320.1	BAC. MENINGITIS - PNEUM	1		0	0-1	3	3
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS	3	3		***	3	21
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		1
005.2	C. PERFRINGENS	1	1	2	0-7	6	6
008.43	CAMPYLOBACTER	27	27	22	9-35	204	198
558.2	CLOSTRIDIUM DIFFICILE	72	71		***	948	839
046.1	CREUTZFELD-JACOB DISEASE				***	2	
007.8	CRYPTOSPORIDIOSIS	1	7	3	0-7	27	64
061.0	DENGUE FEVER			0	0-0	2	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS		3	0	0-1		3
032	DIPHThERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP	2	2	1	0-2	6	15
008.0	E. COLI-VEROTOXIGENIC	29	4	6	0-19	160	41
054.3	ENCEPHALITIS			0	0-0	1	
005.9	FOOD POISONING OTHER			0	0-2	1	
007.1	GIARDIA LAMBLIA	14	4	12	2-22	117	82
041.5	H.I.B.-NON MTGS		1	0	0-1	1	1
041.59	HAEM. INFLUENZAE (non-B)	1	1		***	1	8
480.8	HANTA VIRUS			0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		1
070.1	HEPATITIS A	1		1	0-4	12	7
070.3	HEPATITIS B		1	0	0-1	6	5
070.51	HEPATITIS C	40	33	37	28-46	275	286
054.8	HERPES-W-UNSPEC COMPL			0	0-0	5	1
487.1A	INFLUENZA A				***		70
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA		1	0	0-1	2	1
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0	2	
027.0	LISTERIA MONOCYTOGENES	2		0	0-1	6	
088.81	LYME DISEASE		1	0	0-0	2	7
084	MALARIA	1	3	1	0-3	17	14
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-0	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		
B95.6	MRSA	189	216	97	0-212	1396	1766
072.9	MUMPS			0	0-1	1	7
036.89	N.MENINGITIDIS OTHER			0	0-1	2	4
728.86	NECROTIZING FASCIITIS		2	1	0-3	15	11
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		1
033.1	PARAPERTUSSIS				***		

\* 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.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	2		6	0-15	10	15
038.2	PNEUM. SEPTICEMIA	18	12	7	0-16	108	76
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		1
056.9	RUBELLA		1	0	0-0		3
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-4		2
003.0	SALMONELLA	12	6	13	3-23	132	179
120	SCHISTOSOMIASIS			0	0-1	1	1
004	SHIGELLOSIS			1	0-3	10	13
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		1
481.9	STREP PNEUMONIA - PR			0	0-1		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-0	1	3
127.2	STRONGYLOIDES		1	0	0-1	5	16
037	TETANUS			0	0-1	1	
130.9	TOXOPLASMOSIS		1	1	0-5	1	1
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		2
013	TUBERCULOSIS - NON-RESP.		2	2	0-7	18	16
011	TUBERCULOSIS - RESP.	2	3	6	0-14	61	63
010	TUBERCULOSIS-PRIM.	1		1	0-3	14	3
021.9	TULAREMIA			0	0-1	1	1
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	1	4		***	28	43
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK		2	0	0-1	10	9
047.1	VIRAL MENINGITIS-ECHO	2	1	3	0-9	10	3
047.8	VIRAL MENINGITIS-ENTERO	1	1		***	5	1
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***	1	9
198	WNV NEUROLOGICAL SYNDROME				***	17	68
197	WNV NON-NEUROLOGICAL SYND		4		***	33	499
066.3	WNV UNCLASSIFIED				***		7
008.44	YERSINIA ENTEROCOLITICA	1		1	0-3	14	7
		<b>428</b>	<b>422</b>			<b>3741</b>	<b>4546</b>

\* 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 October 2007

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/gendr	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
116.0	BLASTOMYCOSIS									1				2															3
005.2	C. PERFRINGENS																		1										1
008.43	CAMPYLOBACTER	1	1		1		2	2				2	2	4	1		1	1	1	3			1	1	2	1			27
558.2	CLOSTRIDIUM DIFFICILE	1								1				3		1	5	4	1	2	5	2	7	6	8	18	6	1	71
007.8	CRYPTOSPORIDIOSIS			1			1				1			1	2			1											7
V02.4	DIPH. CARRIERS			1		1	1																						3
123.4	DIPHYLLOBOTHRIUM																			1		1							2
008.0	E. COLI 0157				1		1		1					1															4
007.1	GIARDIA LAMBLIA										1				1					1						1			4
041.59	HAEM. INFLUENZAE (non-B)																										1		1
041.5	HAEM.INFLUENZA B (not csf																									1			1
070.3	HEPATITIS B																	1											1
070.51	HEPATITIS C										2	1		3	2	5	1	8	1	9			1						33
482.83	LEGIONELLA																			1									1
088.81	LYME DISEASE															1													1
084	MALARIA														1					1	1								3
B95.6	MRSA	2	3	4	8	12	7	7	9	6	4	7	2	10	3	17	12	10	13	5	14	7	9	6	5	15	16	3	216
728.86	NECROTIZING FASCIITIS															1	1												2
056.9	RUBELLA														1														1
003.0	SALMONELLA							1			1					1	1			1		1							6
038.2	STREP.PNEUMOCOCCAL SEPTIC		2							1		2			1	2	1			1	1		1						12
127.2	STRONGYLOIDIASIS										1																		1
130.9	TOXOPLASMOSIS									1																			1
013	TUBERCULOSIS - NON-RESP.										1										1								2
011	TUBERCULOSIS - RESP.																	1	1			1							3

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/gendr	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		
B96.8	VANCOMYCIN RES. ENTER.							1														1	1	1					4
047.0	VIRAL MENINGITIS-COXSACK	2																											2
047.1	VIRAL MENINGITIS-ECHO	1																											1
047.8	VIRAL MENINGITIS-ENTERO		1																										1
196	WNV Asymptomatic Infectio											1		1			1	1		3	1	1							9
198	WNV Neurological Syndrome			1						4				2	3	3	1	4	5	5	6	5	14	5	4	2	4		68
197	WNV Non-Neurological Synd							2	5	8	13	6	9	17	12	29	36	56	73	56	54	27	46	15	22	6	7		499
066.3	WNV Unclassified									1						1	1	2		1				1					7
		7	7	7	10	13	12	12	16	16	24	22	17	36	27	58	67	81	107	76	97	45	83	36	43	44	33		1001

# SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR    October 2007

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	3																					3
116.0	BLASTOMYCOSIS	3																					3
005.2	C. PERFRINGENS													1									1
008.43	CAMPYLOBACTER	10		1			2		1		4		3		4		1				1		27
558.2	CLOSTRIDIUM DIFFICILE	43	5		3		3		4		4		6		3								71
007.8	CRYPTOSPORIDIOSIS	2	1				2		1					1									7
V02.4	DIPH. CARRIERS																	3					3
123.4	DIPHYLLOBOTHRIUM																		2				2
008.0	E. COLI 0157	2	1								1												4
007.1	GIARDIA LAMBLIA	2										1						1					4
041.59	HAEM. INFLUENZAE (non-B)	1																					1
041.5	HAEM.INFLUENZA B (not csf	1																					1
070.3	HEPATITIS B	1																					1
070.51	HEPATITIS C	17	4		1			2	2	1	4										2		33
482.83	LEGIONELLA				1																		1
088.81	LYME DISEASE	1																					1
084	MALARIA	3																					3
B95.6	MRSA	77	4	2	4		1	2	4		4		4		5	3	2	84	18	2			216
728.86	NECROTIZING FASCIITIS	2																					2
056.9	RUBELLA										1												1
003.0	SALMONELLA	2	1				1		1										1				6
038.2	STREP.PNEUMOCOCCAL SE	5	1				1				1			1				2	1				12
127.2	STRONGYLOIDIASIS	1																					1
130.9	TOXOPLASMOSIS	1																					1
013	TUBERCULOSIS - NON-RESP.	2																					2
011	TUBERCULOSIS - RESP.	1								1	1												3
B96.8	VANCOMYCIN RES. ENTER.	1									1				2								4
047.0	VIRAL MENINGITIS-COXSACK						1												1				2
047.1	VIRAL MENINGITIS-ECHO	1																					1
047.8	VIRAL MENINGITIS-ENTERO	1																					1

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
<b>Case Referred to:*</b>				<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>				
196	WNV Asymptomatic Infectio	1			1		1		1		2		3										9
198	WNV Neurological Syndrome	26	6		2		2		5		8		16		3								68
197	WNV Non-Neurological Synd	101	71		20		25		37		95		137		13								499
066.3	WNV Unclassified	3	1								2		1										7
		<b>314</b>	<b>95</b>	<b>3</b>	<b>32</b>		<b>39</b>	<b>4</b>	<b>56</b>	<b>2</b>	<b>128</b>		<b>171</b>		<b>33</b>	<b>3</b>	<b>3</b>	<b>90</b>	<b>23</b>	<b>2</b>	<b>3</b>		<b>1001</b>
Missing Investigation Forms (Jan.1 to end of September)		121	12	2	2		8	3	14		8		9		4		7	7	4			1	202

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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## STD Infection Summary Report - October 2007

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2006	2007	2006	2007
All Chlamydia Infections	424	674	3571	4488
All Gonorrhea Infections (including PRNG)	120	147	1343	1240
All Syphilis Infections	7	2	43	38
Gonorrhea & Chlamydia Co-infections	47	60	428	495
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	7	9	69	69

## Total Number of STD Cases by Age and Gender - October 2007

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/gendr	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							9	1	141	34	140	66	76	50	38	28	15	9	2	4	1							614
Gonorrhea Only Cases							1		15	11	14	10	7	7	5	1	4	8	2	1	1							87
Syphilis Only Cases											1									1								2
GC and CT Cases							1		16	6	9	10	5		4	5		3		1								60
							11	1	172	51	164	86	88	57	47	34	19	20	4	7	2							763
HIV									1		1		1		2			2		1				1				9

## Regional STD Distribution - October 2007

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	322	31	5	19		6	12	30	3	26		24	4	34	14	28	85	22	2	7		674
All Gonorrhea Infections	59	1	5	4		1	3	1		4		2		10	2	12	36	6	1			147
All Syphilis Infections	2																					2
GC and CT Infections	23	1	1	2			1	1		2				5	2	5	15	1	1			60

**Health**

Health and Healthy Living  
Public Health Division  
Communicable Disease Control Branch  
Fourth Floor, 300 Carlton Street  
Winnipeg MB R3B 3M9  
CANADA  
Telephone: 204-788-6734  
Fax: 204-948-2040

**Santé**

Santé et Vie saine  
Division de la santé publique  
Prévention des maladies transmissibles  
300, rue Carlton, 4<sup>e</sup> étage  
Winnipeg MB R3B 3M9  
CANADA  
Téléphone : 204-788-6734  
Télécopieur : 204-948-2040

Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of November 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive\* during the month of November 2007.

**Communicable Diseases**

In total, there were **365** new infections occurring across 30 communicable diseases\*\* (excluding sexually transmitted infections and HIV) in November 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of the following diseases:

- Cryptosporidiosis – 5 cases reported, 0 – 3 cases expected
- Creutzfeld Jacob Disease – 1 case reported
- Diphtheria (toxigenic) – 2 respiratory cases reported
- Herpes with unspecified complexities – 2 cases reported, 0 – 1 cases expected
- Viral meningitis due to CoxSackie disease – 3 cases, 0 – 1 cases expected

The expected number of cases and accompanying range is based on the number of cases during October, November and December, 2002-2006.

There had been an increase of *Cryptosporidium* cases in the third quarter of 2007, however, now we are dropping to a more expected level. CoxSackie-related meningitis has seasonal variation, with a significant increase occurring during the second half of each calendar year. This may account for the increase noted in this month's report. Together MRSA and *Clostridium difficile* accounted for 69.0% of all non-STI/HIV related communicable diseases reported to Manitoba Health. *C. difficile* cases tended to be concentrated in the 60+ age group, while cases of MRSA were reported in all age groups.

**Sexually Transmitted Infections & Blood-Borne Pathogens**

There were **710** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in November:

- 557 cases of chlamydia (lone Ct infection)
- 81 cases of gonorrhoea (lone GC infection)
- 68 GC-Ct co-infections and
- 4 cases of syphilis

Forty-two percent of all GC and Ct cases in the province were reported among females of age group 15-24 years. 45.6% all GC and Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 22.1% were from the Burntwood Health Region.

In November, 38 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Fifty-eight per cent of HCV cases this month were reported from the Winnipeg Health Region. Ten Manitobans tested positive for HIV in November. A new case of HIV infection is defined as a positive test with a unique code that has not been previously associated with a positive test result in Manitoba. The cases reported in November (other than one infant) occurred in age cohorts that ranged from 25 to 59.

**\*Note:** 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.

**\*\*Note:** The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are not referred out for public health follow-up:

- Ascariasis (ICD9: 127.0)
- Leishmaniasis – unspecified (ICD9: 085.9)
- Methicillin or vancomycin resistant *Staphylococcus aureus* (MRSA/VRSA)
- Schistosomiasis (ICD9: 120)
- *Streptococcus pneumoniae* – other site (ICD9: 041.2)
- *Strongyloides* (ICD9: 127.2)
- Tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at 315 - 258 Portage Avenue
- Vancomycin resistant enterococci (VRE)

**\*\*Note:** The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are referred out to public health for information only:

- Viral Meningitis – CoxSackie
- Viral Meningitis – Echo
- Viral Meningitis – Enterovirus
- Viral Meningitis – H. simplex (Epstein Barr, CSF only)

**\*\*Note:** All other diseases are referred out for further public health follow-up and investigation

Please feel free to contact me should you have any questions about this report.  
Thank you.

Sincerely,  
**Myrna Dyck** BN, MSc  
Epidemiologist, Communicable Diseases  
Public Health Surveillance System  
Manitoba Health and Healthy Living

# SUMMARY OF COMMUNICABLE DISEASE FOR November 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	2		2	0-5	36	34
022	ANTHRAX				***	1	
127.0	ASCARIASIS			0	0-2		1
005.8	B. CEREUS			0	0-1		2
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-1		
320.9	BAC. MENINGITIS - OTHER			0	0-1		1
320.1	BAC. MENINGITIS - PNEUM		1	1	0-2	3	4
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS	2			***	5	21
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1		1
005.2	C. PERFRINGENS	1		2	0-9	7	6
008.43	CAMPYLOBACTER	15	12	17	3-31	219	211
558.2	CLOSTRIDIUM DIFFICILE	84	75		***	1032	914
046.1	CREUTZFELD-JACOB DISEASE		1		***	2	1
007.8	CRYPTOSPORIDIOSIS	3	5	1	0-3	30	69
061.0	DENGUE FEVER			0	0-0	2	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1		1
032	DIPHThERIA CASES		2	0	0-0		2
123.4	DIPHYLLOBOTHRIUM SPP	1	1	1	0-2	7	16
008.0	E. COLI-VEROTOXIGENIC	2	3	5	0-18	162	44
054.3	ENCEPHALITIS			0	0-1	1	
005.9	FOOD POISONING OTHER			0	0-1	1	
007.1	GIARDIA LAMBLIA	8	4	11	3-19	125	86
041.5	H.I.B.-NON MTGS			0	0-1	1	1
041.59	HAEM. INFLUENZAE (non-B)	1			***	2	8
480.8	HANTA VIRUS			0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		1
070.1	HEPATITIS A	2		1	0-4	14	7
070.3	HEPATITIS B			0	0-1	6	5
070.51	HEPATITIS C	30	38	36	24-48	305	325
054.8	HERPES-W-UNSPEC COMPL		2	0	0-1	5	3
487.1A	INFLUENZA A				***		70
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1	2	1
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0	2	
027.0	LISTERIA MONOCYTOGENES		1	0	0-1	6	1
088.81	LYME DISEASE			0	0-0	2	7
084	MALARIA		2	1	0-3	17	16
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-0	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		
B95.6	MRSA	167	177	91	0-198	1563	1943
072.9	MUMPS			0	0-1	1	7
036.89	N.MENINGITIDIS OTHER		1	0	0-1	2	5
728.86	NECROTIZING FASCIITIS	3	1	1	0-3	18	12
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		1
033.1	PARAPERTUSSIS				***		

\* 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.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	1	1	6	0-14	11	16
038.2	PNEUM. SEPTICEMIA	7	6	8	0-16	115	82
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-0		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		1
056.9	RUBELLA			0	0-0		3
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER		1	1	0-3		4
003.0	SALMONELLA	5	12	12	1-23	137	192
120	SCHISTOSOMIASIS			0	0-1	1	1
004	SHIGELLOSIS	1		1	0-4	11	13
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS	1			***	1	1
481.9	STREP PNEUMONIA - PR			0	0-1		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-0	1	3
127.2	STRONGYLOIDES		1	0	0-1	5	17
037	TETANUS			0	0-0	1	
130.9	TOXOPLASMOSIS		1	1	0-4	1	2
124	TRICHINOSIS			0	0-1		
086	TRYPANOSOMA CRUZI			0	0-0		2
013	TUBERCULOSIS - NON-RESP.		1	2	0-4	18	17
011	TUBERCULOSIS - RESP.	3	5	6	0-13	64	69
010	TUBERCULOSIS-PRIM.		2	1	0-3	14	5
021.9	TULAREMIA			0	0-1	1	1
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	2	1		***	30	44
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK		3	0	0-1	10	12
047.1	VIRAL MENINGITIS-ECHO			1	0-5	10	3
047.8	VIRAL MENINGITIS-ENTERO		2		***	5	3
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***	1	9
198	WNV NEUROLOGICAL SYNDROME				***	17	71
197	WNV NON-NEUROLOGICAL SYND				***	33	497
066.3	WNV UNCLASSIFIED		1		***		7
008.44	YERSINIA ENTEROCOLITICA		2	1	0-2	14	9
		<b>341</b>	<b>365</b>			<b>4082</b>	<b>4914</b>

\* 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 November 2007

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/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
320.1	BAC. MENINGITIS - PNEUM																			1									1
008.43	CAMPYLOBACTER		1	1						1	1			1	1			2	1	1						2			12
558.2	CLOSTRIDIUM DIFFICILE									1				1	1	1		3	2	4	5	6	10	11	2	20	8		75
046.1	CREUTZFELD JACOB DISEASE																				1								1
007.8	CRYPTOSPORIDIOSIS									2						2	1												5
032	DIPH. CASES							1										1											2
123.4	DIPHYLLOBOTHRIUM															1													1
008.0	E. COLI 0157											1						1		1									3
007.1	GIARDIA LAMBLIA			2												1						1							4
070.51	HEPATITIS C				1		1					1	1	3	4	3	2	12	2	4	1	1					2		38
054.8	HERPES-W-UNSPEC COMPL																				1			1					2
027.0	LISTERIA MONOCYTOGENES																									1			1
084	MALARIA																	1		1									2
B95.6	MRSA	2	8	3	4	7	6	7	6	7	7	6	4	3	4	13	10	6	7	6	8	8	15	8	2	5	15		177
728.86	NECROTIZING FASCIITIS																	1											1
036.89	NEISSERIA MGTS(Other)											1																	1
033.0	PERTUSSIS	1																											1
003.0	SALMONELLA			2			1					1			1	1	1	1	2					1	1				12
041.2	STREP.PNEUM.OTHER																				1								1
038.2	STREP.PNEUMOCOCCAL SEPTIC					1		1										2		1				1					6
127.2	STRONGYLOIDIASIS																					1							1
130.9	TOXOPLASMOSIS															1													1
013	TUBERCULOSIS - NON-RESP.																			1									1
011	TUBERCULOSIS - RESP.									1				1		1		2											5
010	TUBERCULOSIS-PRIM.				1				1																				2
B96.8	VANCOMYCIN RES. ENTER.																			1									1

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/gendr	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		
047.0	VIRAL MENINGITIS-COXSACK	1					1														1								3
047.8	VIRAL MENINGITIS-ENTERO	2																											2
196	WNV Asymptomatic Infectio											1		1				1	1		3	1	1						9
198	WNV Neurological Syndrome			1						4				2	3	3	1	5	4	5	6	5	14	6	6	2	4		71
197	WNV Non-Neurological Synd							2	5	8	13	6	9	17	12	29	36	55	74	56	54	27	46	14	21	6	7		497
066.3	WNV Unclassified									1							1	1	2		2								7
008.44	YERSINIA ENTEROCOLITICA											1					1												2
		6	9	9	6	8	9	11	12	18	28	15	16	25	26	56	55	75	112	76	89	51	90	40	34	35	35		948



# SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR November 2007

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
320.1	BAC. MENINGITIS - PNEUM	1																					1
008.43	CAMPYLOBACTER	4	1				3				2		2										12
558.2	CLOSTRIDIUM DIFFICILE	49	1		5		5		4		3		1		5		1		1				75
046.1	CREUTZFELD JACOB DISEASE								1														1
007.8	CRYPTOSPORIDIOSIS		1				2	1					1										5
032	DIPH. CASES																	2					2
123.4	DIPHYLLOBOTHRIUM	1																					1
008.0	E. COLI 0157	3																					3
007.1	GIARDIA LAMBLIA	2								1			1										4
070.51	HEPATITIS C	22	2		1			3	1		2		1		1		4		1				38
054.8	HERPES-W-UNSPEC COMPL	1							1						1								2
027.0	LISTERIA MONOCYTOGENES	1																					1
084	MALARIA	1															1						2
B95.6	MRSA	70	3		1		2	1	6			1	4		4	6	6	58	15				177
728.86	NECROTIZING FASCIITIS																				1		1
036.89	NEISSERIA MGTS(Other)						1																1
033.0	PERTUSSIS	1																					1
003.0	SALMONELLA	7									1				1		2		1				12
041.2	STREP.PNEUM.OTHER																1						1
038.2	STREP.PNEUMOCOCCAL SEPTIC	3					1				1		1										6
127.2	STRONGYLOIDIASIS	1																					1
130.9	TOXOPLASMOSIS												1										1
013	TUBERCULOSIS - NON-RESP.				1																		1
011	TUBERCULOSIS - RESP.	2														1		2					5
010	TUBERCULOSIS-PRIM.										1							1					2
B96.8	VANCOMYCIN RES. ENTER.														1								1
047.0	VIRAL MENINGITIS-COXSACK	1	1						1														3
047.8	VIRAL MENINGITIS-ENTERO	2																					2
196	WNV Asymptomatic Infectio	1			1		1		1		2		3										9
198	WNV Neurological Syndrome	27	6		3		2		5		8		17		3								71

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
<b>Case Referred to:*</b>				<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>				
197	WNV Non-Neurological Synd	100	70		19		25		37		95		138		13								497
066.3	WNV Unclassified	3	1				1				2												7
008.44	YERSINIA ENTEROCOLITICA	2																					2
		<b>305</b>	<b>86</b>		<b>31</b>		<b>43</b>	<b>5</b>	<b>57</b>	<b>2</b>	<b>116</b>	<b>1</b>	<b>170</b>		<b>28</b>	<b>7</b>	<b>15</b>	<b>63</b>	<b>18</b>		<b>1</b>		<b>948</b>
Missing Investigation Forms (Jan.1 to end of October)		156	12	2	3		13	2	17	1	8		13		7		7	6	3			1	251

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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## STD Infection Summary Report - November 2007

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2006	2007	2006	2007
All Chlamydia Infections	374	625	3945	5113
All Gonorrhea Infections (including PRNG)	126	149	1469	1389
All Syphilis Infections	4	4	47	42
Gonorrhea & Chlamydia Co-infections	40	68	468	563
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	5	10	74	79

## Total Number of STD Cases by Age and Gender - November 2007

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/gendr	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		138	39	105	78	59	38	39	31	7	6	5	4	1							557
Gonorrhea Only Cases							4		13	5	17	13	9	7	3	3	4	2	1									81
Syphilis Only Cases															2	1					1							4
GC and CT Cases									13	9	11	6	12	6	1	6		2			2							68
							11		164	53	133	97	80	51	45	41	11	10	6	4	1	3						710
HIV	1												2	3	1		2		1									10

## Regional STD Distribution - November 2007

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	293	31	9	16		11	5	22	1	30	1	20	7	10	6	35	99	22	2	4	1	625
All Gonorrhea Infections	60	5	2				3	1	1	5	1	2	2	5	1	8	38	12		3		149
All Syphilis Infections	4																					4
GC and CT Infections	20	2	1				1	1		3	1	2	1	2	1	8	20	5				68
Missing Investigation Forms (Jan.1 to end of October)	234	43	6	17		11	6	28	1	24		34	8	22	2	32	72	29		1	1	571

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

**Health**

Health and Healthy Living  
Public Health Division  
Communicable Disease Control Branch  
Fourth Floor, 300 Carlton Street  
Winnipeg MB R3B 3M9  
CANADA  
Telephone: 204-788-6734  
Fax: 204-948-2040

**Santé**

Santé et Vie saine  
Division de la santé publique  
Prévention des maladies transmissibles  
300, rue Carlton, 4<sup>e</sup> étage  
Winnipeg MB R3B 3M9  
CANADA  
Téléphone : 204-788-6734  
Télécopieur : 204-948-2040

Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of December 2007. This information includes the number of reported cases of notifiable communicable diseases for which individuals in Manitoba tested positive\* on laboratory samples, during the month of December 2007.

**Communicable Diseases**

In total, there were **359** new infections occurring across 29 communicable diseases\*\* (excluding sexually transmitted infections and HIV) in December 2007. The observed numbers of cases were within the statistically expected range for all of the reported communicable diseases with the exception of the following diseases:

- Lyme Disease – 1 case was reported, 0 cases expected
- MRSA – 169 cases reported, 0 – 156 cases expected
- Necrotizing Fascitis – 5 cases reported, 0 – 3 cases expected
- Strongyloidiasis – 7 cases reported, 0 – 1 cases expected
- Nonrespiratory Tuberculosis – 5 cases reported, 0 – 4 cases expected

The expected number of cases and accompanying range is based on the statistical number of cases during November, December and January, 2002-2007.

Lyme disease has seasonal variation, with a cases usually occurring during the summer months of each calendar year. A specific case definition is required to be met to be included as a confirmed case within the Public Health Surveillance System (see Manitoba Health and Health Living Case Management Protocol Manual). Together MRSA and *Clostridium difficile* accounted for 71% of all non-STI/HIV related communicable diseases reported to Manitoba Health. MRSA positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals, who have no symptoms and are found with screening activities at facilities. *C. difficile* cases tended to be concentrated in the 60+ age group, while cases of MRSA were reported in all age groups.

**Sexually Transmitted Infections & Blood-Borne Pathogens**

There were **557** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in December:

- 504 cases of chlamydia
- 97 cases of gonorrhoea and
- 3 cases of syphilis

Forty-four percent of all GC and Ct cases in the province were reported among females of age group 15-24 years. 46% all GC and Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 28% were from the Burntwood Health Region.

In December, 23 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Three Manitobans tested positive for HIV in December. A new case of HIV infection is defined as a positive test with a unique code that has not been previously associated with a positive test result in Manitoba. The cases reported in December were all males, between 40 and 59 years of age.

**\*Note:** 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.

**\*\*Note:** The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are not referred out for public health follow-up:

- Ascariasis (ICD9: 127.0)
- Leishmaniasis – unspecified (ICD9: 085.9)
- Methicillin or vancomycin resistant *Staphylococcus aureus* (MRSA/VRSA)
- Schistosomiasis (ICD9: 120)
- *Streptococcus pneumoniae* – other site (ICD9: 041.2)
- *Strongyloides* (ICD9: 127.2)
- Vancomycin resistant enterococci (VRE)

The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are referred out to public health for information only:

- Viral Meningitis – CoxSackie
- Viral Meningitis – Echo
- Viral Meningitis – Entero
- Viral Meningitis – H. simplex (Epstein Barr, CSF only)

All other diseases are referred out for further public health follow-up and investigation

Please feel free to contact me should you have any questions about this report.  
Thank you.

Sincerely,  
**Myrna Dyck** BN, MSc  
Epidemiologist, Communicable Diseases  
Public Health Surveillance System  
Manitoba Health and Healthy Living

# SUMMARY OF COMMUNICABLE DISEASE FOR December 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	2	5	3	0-6	38	41
022	ANTHRAX				***	1	
127.0	ASCARIASIS			0	0-2		1
005.8	B. CEREUS			0	0-1		2
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM	1		0	0-0	1	
320.9	BAC. MENINGITIS - OTHER			0	0-1		1
320.1	BAC. MENINGITIS - PNEUM	2		0	0-1	5	4
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS	3			***	7	17
005.1	BOTULISM				***		
023	BRUCELLOSIS	1		0	0-0	1	1
005.2	C. PERFRINGENS		1	10	0-71	7	7
008.43	CAMPYLOBACTER	14	16	12	3-21	233	230
558.2	CLOSTRIDIUM DIFFICILE	116	70		***	1148	985
046.1	CREUTZFELD-JACOB DISEASE				***	2	1
007.8	CRYPTOSPORIDIOSIS		2	1	0-3	30	71
061.0	DENGUE FEVER			0	0-0	2	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS		1	0	0-1		2
032	DIPHThERIA CASES			0	0-0		2
123.4	DIPHYLLOBOTHRIUM SPP			0	0-1	7	16
008.0	E. COLI-VEROTOXIGENIC	8	2	3	0-9	170	46
054.3	ENCEPHALITIS			0	0-1	1	
005.9	FOOD POISONING OTHER	1		0	0-1	2	
007.1	GIARDIA LAMBLIA	11	7	10	2-18	137	102
041.5	H.I.B.-NON MTGS			0	0-1	1	1
041.59	HAEM. INFLUENZAE (non-B)				***	2	8
480.8	HANTA VIRUS			0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		1
070.1	HEPATITIS A		1	1	0-4	14	8
070.3	HEPATITIS B			0	0-1	6	5
070.51	HEPATITIS C	21	23	38	19-57	325	347
054.8	HERPES-W-UNSPEC COMPL	1		0	0-1	6	3
487.1A	INFLUENZA A	1	1		***	65	71
487.1B	INFLUENZA B		1		***	25	2
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1	2	1
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0	2	
027.0	LISTERIA MONOCYTOGENES		1	0	0-1	6	2
088.81	LYME DISEASE		1	0	0-0	2	7
084	MALARIA		1	0	0-2	17	17
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			0	0-1	1	3
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1	1	1
B95.6	MRSA	131	169	64	0-156	1694	2112
072.9	MUMPS	2	1	0	0-1	3	8
036.89	N.MENINGITIDIS OTHER	1	1	0	0-1	2	2
728.86	NECROTIZING FASCIITIS	3	5	1	0-3	21	20
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		1
033.1	PARAPERTUSSIS				***		

\* 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.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	1	1	6	0-14	12	18
038.2	PNEUM. SEPTICEMIA	9	12	7	2-12	124	98
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-0		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-0		1
056.9	RUBELLA			0	0-0		2
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-3		4
003.0	SALMONELLA	7	13	13	2-24	144	209
120	SCHISTOSOMIASIS	1		0	0-1	2	1
004	SHIGELLOSIS		1	1	0-4	11	15
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS	2			***	3	2
481.9	STREP PNEUMONIA - PR			0	0-1		1
711.0	STREP.PNEUM.ARTHRITIS			0	0-1	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-0	1	3
127.2	STRONGYLOIDES		7	0	0-1	5	24
037	TETANUS			0	0-0	1	
130.9	TOXOPLASMOSIS			1	0-4	1	2
124	TRICHINOSIS			0	0-1		
086	TRYPANOSOMA CRUZI			0	0-0		2
013	TUBERCULOSIS - NON-RESP.	1	5	2	0-4	19	23
011	TUBERCULOSIS - RESP.	3	3	7	1-13	67	72
010	TUBERCULOSIS-PRIM.	1	1	1	0-3	15	5
021.9	TULAREMIA			0	0-1	1	1
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	2	6		***	32	50
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK	1		0	0-1	11	12
047.1	VIRAL MENINGITIS-ECHO			0	0-2	10	4
047.8	VIRAL MENINGITIS-ENTERO				***	5	2
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***	1	9
198	WNV NEUROLOGICAL SYNDROME				***	17	72
197	WNV NON-NEUROLOGICAL SYND				***	33	501
066.3	WNV UNCLASSIFIED		1		***		5
008.44	YERSINIA ENTEROCOLITICA	1		0	0-1	15	10
		<b>348</b>	<b>359</b>			<b>4518</b>	<b>5299</b>

\* 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 2007

		<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/gendr	Total		
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M				
006.9	AMEBIASIS													1		1				1		1			1					5	
005.2	C. PERFRINGENS											1																		1	
008.43	CAMPYLOBACTER	1	1					1	1	1				1	1		1	3	1			1	1			1	1			16	
558.2	CLOSTRIDIUM DIFFICILE				2		1					1			1	1	1	2	3	4	4	2	7	4	7	5	15	10			70
007.8	CRYPTOSPORIDIOSIS		1					1																						2	
V02.4	DIPH. CARRIERS							1																						1	
008.0	E.COLI 0157																										1	1			2
007.1	GIARDIA LAMBLIA	1			1	1	1									1		1	1												7
070.1	HEPATITIS A													1																	1
070.51	HEPATITIS C									1	1	1	1	2	1	2	1	5	2	4		1							1		23
487.1A	INFLUENZA A					1																									1
487.1B	INFLUENZA B															1															1
027.0	LISTERIA MONOCYTOGENES																					1									1
088.81	LYME DISEASE																				1										1
084	MALARIA														1																1
B95.6	MRSA	5	3	12	3	8	8	8	4	7	4	8	5	4	6	9	7	5	10	2	6	8	2	7	7	9	12				169
072.9	MUMPS														1																1
728.86	NECROTIZING FASCIITIS											1					1	1	1	1											5
036.89	NEISSERIA MGTS(Other)																				1										1
033.0	PERTUSSIS		1																												1
003.0	SALMONELLA	3								1	1		1			2				1	2			1		1					13
004	SHIGELLOSIS															1															1
038.2	STREP.PNEUMOCOCCAL SEPTIC	1								1		1					2	1	1	2	2					1					12
127.2	STRONGYLOIDIASIS										2		2	2					1												7
013	TUBERCULOSIS - NON-RESP.										1							3					1								5
011	TUBERCULOSIS - RESP.															1	1			1											3



		<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/gendr	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
010	TUBERCULOSIS-PRIM.							1																					1
B96.8	VANCOMYCIN RES. ENTER.												1	1										1	2	1			6
196	WNV Asymptomatic Infectio												1		1			1	1		3	1	1						9
198	WNV Neurological Syndrome			1							4			2	3	3	1	5	5	5	6	5	14	6	6	2	4		72
197	WNV Non-Neurological Synd							2	5	8	13	6	9	17	12	29	37	55	76	56	55	27	46	14	21	6	7		501
066.3	WNV Unclassified									1							1	1			2								5
		11	6	16	5	10	11	12	10	18	24	21	20	29	31	52	56	74	108	76	84	50	69	38	43	36	34		945

# SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR December 2007

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																					5
005.2	C. PERFRINGENS	1																					1
008.43	CAMPYLOBACTER	9	1				1		2		1		2										16
558.2	CLOSTRIDIUM DIFFICILE	46	1		5		3		4		4		1		3				3				70
007.8	CRYPTOSPORIDIOSIS	1														1							2
V02.4	DIPH. CARRIERS			1																			1
008.0	E.COLI 0157								1		1												2
007.1	GIARDIA LAMBLIA	3					3											1					7
070.1	HEPATITIS A	1																					1
070.51	HEPATITIS C	15			1				3		3				1								23
487.1A	INFLUENZA A																	1					1
487.1B	INFLUENZA B										1												1
027.0	LISTERIA MONOCYTOGENES	1																					1
088.81	LYME DISEASE										1												1
084	MALARIA				1																		1
B95.6	MRSA	58		3	1				2		2		2		5	7	10	73	5	1			169
072.9	MUMPS	1																					1
728.86	NECROTIZING FASCIITIS	1									2						1		1				5
036.89	NEISSERIA MGTS(Other)														1								1
033.0	PERTUSSIS	1																					1
003.0	SALMONELLA	11									1						1						13
004	SHIGELLOSIS	1																					1
038.2	STREP.PNEUMOCOCCAL SE PTIC	6	1				1										1	2	1				12
127.2	STRONGYLOIDIASIS	7																					7
013	TUBERCULOSIS - NON-RESP.	4							1														5
011	TUBERCULOSIS - RESP.	1									1							1					3
010	TUBERCULOSIS-PRIM.										1												1
B96.8	VANCOMYCIN RES. ENTER.	5							1														6
196	WNV Asymptomatic Infectio	1			1		1		1		2		3										9
198	WNV Neurological Syndrome	28	6		3		2		5		8		17		3								72

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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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				
197	WNV Non-Neurological Synd	103	65		19		25		38		95		142		14								501
066.3	WNV Unclassified		1				1		1		2												5
		310	75	4	31		37		59	2	123		167		27	8	13	78	10	1			945
Missing Investigation Forms (Jan.1 to end of November)		118	14	2	2		6	3	16		7		14		5		7	6	2				202

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

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## STD Infection Summary Report - December 2007

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2006	2007	2006	2007
All Chlamydia Infections	291	504	4237	5615
All Gonorrhea Infections (including PRNG)	108	97	1578	1486
All Syphilis Infections	5	3	52	47
Gonorrhea & Chlamydia Co-infections	32	47	501	610
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	7	3	81	82

## Total Number of STD Cases by Age and Gender - December 2007

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/gendr	Total
	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
Chlamydia Only Cases							4		108	39	104	64	40	25	34	21	2	11	1	3		1						457
Gonorrhea Only Cases									9	5	5	12	4	4	4	1	2	3		1								50
Syphilis Only Cases													1		1		1											3
GC and CT Cases									11	6	11	6	1	5	4	2		1										47
							4		128	50	120	82	46	34	43	24	5	15	1	4		1						557
HIV																		2		1								3

## Regional STD Distribution - December 2007

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	244	15	8	8		12	13	14	3	21	1	12	3	10		17	88	31		4		504
All Gonorrhea Infections	35	1	6	2		1	3	5		2		2				2	27	11				97
All Syphilis Infections	2					1																3
GC and CT Infections	13		2			1	3	2		1		1				1	17	6				47
Missing Investigation Forms (Jan.1 to end of November)	243	24	5	18		13	3	30	1	24		20	8	9	2	30	39	24		1	1	495

\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction