

**Health**

Health and Healthy Living
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Communicable Disease Control Branch
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Santé

Santé et Vie saine
Division de la santé publique
Prévention des maladies transmissibles
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CANADA
Téléphone : 204-788-6734
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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the month of January 2008. This information includes the number of reported cases of notifiable communicable diseases for which individuals in Manitoba tested positive* on laboratory samples and/or clinical reports, during the month of January 2008.

Communicable Diseases

In total, there were **393** new infections occurring across 24 communicable diseases** (excluding sexually transmitted infections and HIV) in January 2008. 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:

- MRSA – 188 cases reported, 0 – 186 cases expected
- Malaria – 2 cases reported, 0-1 cases expected

The expected number of cases and accompanying range is based on the statistical number of cases during December, January and February, 2002-2008.

Malaria is a travel related disease and is not endemic in temperate zone countries such as Canada. MRSA positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals, who have no symptoms and are found with admission screening activities at facilities. If facilities increase their screening activities, it would result in a rise in colonized MRSA cases. Together MRSA and *Clostridium difficile* accounted for 68% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living. *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 **744** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in January:

- 592 cases of chlamydia (Ct)
- 84 cases of gonorrhoea (GC)
- 63 co-infections of Ct and GC and
- 5 cases of syphilis

Forty-three percent of all GC and Ct cases in the province were reported among females of age group 15-24 years. 49% all Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 24% were from the Burntwood Health Region.

In January, 24 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Six Manitobans tested positive for HIV in January. 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 January were 4 males and 2 females, between 30 and 49 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) (ICD9 B95.6)
- Schistosomiasis (ICD9: 120)
- *Streptococcus pneumoniae* – other site (ICD9: 041.2)
- *Strongyloides* (ICD9: 127.2)
- Vancomycin resistant enterococci (VRE) (ICD9 B96.8)

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 January 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	4	1	3	1-5	4	1
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-2		
005.8	B. CEREUS			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS	2			***	2	
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1		
005.2	C. PERFRINGENS	1		1	0-8	1	
008.43	CAMPYLOBACTER	17	13	12	3-21	17	13
558.2	CLOSTRIDIUM DIFFICILE	131	80		***	131	80
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	6	2	1	0-4	6	2
061.0	DENGUE FEVER		1	0	0-1		1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRUM SPP	1		0	0-1	1	
008.0	E. COLI-VEROTOXIGENIC	1	3	3	0-10	1	3
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	12	8	9	2-16	12	8
041.5	H.I.B.-NON MTGS			0	0-1		
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	3	1	1	0-3	3	1
070.3	HEPATITIS B			0	0-1		
070.51	HEPATITIS C	24	24	32	15-49	24	24
487.1A	INFLUENZA A	17	13		***	17	13
487.1B	INFLUENZA B	1	5		***	1	5
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES		1	0	0-1		1
088.81	LYME DISEASE			0	0-0		
084	MALARIA		2	0	0-1		2
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF	1		0	0-1	1	
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD		1	0	0-1		1
B95.6	MRSA	177	188	88	0-186	177	188
072.9	MUMPS			0	0-1		
036.89	N.MENINGITIDIS OTHER		1	0	0-1		1
728.86	NECROTIZING FASCIITIS			1	0-3		
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	2	1	4	0-12	2	1
038.2	PNEUM. SEPTICEMIA	6	12	7	1-13	6	12
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-0		

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

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			0	0-1		
003.0	SALMONELLA	28	22	14	1-27	28	22
120	SCHISTOSOMIASIS			0	0-1		
004	SHIGELLOSIS	1	2	1	0-4	1	2
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES	2		0	0-1	2	
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-2		
124	TRICHINOSIS			0	0-1		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	3	2	2	0-5	3	2
011	TUBERCULOSIS - RESP.	5	3	7	2-12	5	3
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	4	5		***	4	5
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
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	1	
		450	393			450	393

* 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 2008

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
008.43	CAMPYLOBACTER		1	1	1		1					1	1	2		1	2		1	1									13
558.2	CLOSTRIDIUM DIFFICILE	1	1							3	1			1	2	1	6	3	6	4	8	4	11	3	15	10			80
007.8	CRYPTOSPORIDIOSIS				1					1																			2
061.0	DENGUE FEVER																			1									1
008.0	E. COLI 0157	1												1				1											3
007.1	GIARDIA LAMBLIA			1	2		2			1				1				1											8
041.59	HAEM. INFLUENZAE (non-B)																				1					1			2
070.1	HEPATITIS A																									1			1
070.51	HEPATITIS C											1		1	1	2	2	2	6	2	6					1			24
487.1A	INFLUENZA A				1	2				1	4		2	1	1					1									13
487.1B	INFLUENZA B				1	2		1								1													5
027.0	LISTERIA MONOCYTOGENES																				1								1
084	MALARIA											1	1																2
036.2	MENINGOCOCCEMIA(MGCCEMI A													1															1
B95.6	MRSA	3	3	8	13	4	1	11	2	4	1	4	10	6	3	7	10	4	9	13	12	4	11	9	7	14	15		188
036.89	NEISSERIA MGTS(Other)									1																			1
033.0	PERTUSSIS	1																											1
003.0	SALMONELLA			1			3		1					1	2	1	1	1	1	3	1	1	2	1	1		1		22
004	SHIGELLOSIS																			1		1							2
038.2	STREP.PNEUMOCOCCAL SEPTIC							1				2		2		1		1	2					1	1	1			12
013	TUBERCULOSIS - NON-RESP.															1			1										2
011	TUBERCULOSIS - RESP.											1					1								1				3
B96.8	VANCOMYCIN RES. ENTER.													1										1	1	1	1		5
		6	5	11	19	8	8	13	3	9	4	11	13	16	12	15	17	16	22	28	26	16	17	23	14	34	27		393

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR January 2008

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
008.43	CAMPYLOBACTER	4	2		1		2		1		1		1				1						13
558.2	CLOSTRIDIUM DIFFICILE	52	3		2		1		8		8		4		1				1				80
007.8	CRYPTOSPORIDIOSIS						1						1										2
061.0	DENGUE FEVER	1																					1
008.0	E. COLI 0157	1					1				1												3
007.1	GIARDIA LAMBLIA	3	2	1	1						1												8
041.59	HAEM. INFLUENZAE (non-B)	2																					2
070.1	HEPATITIS A	1																					1
070.51	HEPATITIS C	17	2					1	2		1				1								24
487.1A	INFLUENZA A	9					1						1							2			13
487.1B	INFLUENZA B						1				4												5
027.0	LISTERIA MONOCYTOGENES	1																					1
084	MALARIA	2																					2
036.2	MENINGOCOCCEMIA(MGCCE MIA)	1																					1
B95.6	MRSA	79		1	1		1	1	4		6		2		2	2	6	76	7				188
036.89	NEISSERIA MGTS(Other)												1										1
033.0	PERTUSSIS	1																					1
003.0	SALMONELLA	11	1				1		2		2		1		2			2					22
004	SHIGELLOSIS		1										1										2
038.2	STREP.PNEUMOCOCCAL SEPTIC	4	1														2	3	2				12
013	TUBERCULOSIS - NON-RESP.	2																					2
011	TUBERCULOSIS - RESP.	2								1													3
B96.8	VANCOMYCIN RES. ENTER.	2											2		1								5
		195	12	2	5		9	2	18	1	24		14		7	2	9	81	12				393

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

STD Infection Summary Report - January 2008

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2007	2008	2007	2008
All Chlamydia Infections	423	655	423	655
All Gonorrhea Infections (including PRNG)	121	147	121	147
All Syphilis Infections	3	5	3	5
Gonorrhea & Chlamydia Co-infections	35	63	35	63
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	8	6	8	6

Total Number of STD Cases by Age and Gender - January 2008

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							8		159	46	109	69	60	45	40	25	13	12		5	1							592
Gonorrhea Only Cases							1		12	11	11	14	7	2	7	11	3	5										84
Syphilis Only Cases																3		2										5
GC and CT Cases							1		15	7	9	8	5	6	3	7	1	1										63
							10		186	64	129	91	72	53	50	46	17	20		5	1							744
HIV																1	2	3										6

Regional STD Distribution - January 2008

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	324	22	8	10	2	9	4	28	1	19		10	4	24	4	27	117	38		4		655
All Gonorrhea Infections	59		3	2		1	2	6		5		1	1	2	4	12	32	16		1		147
All Syphilis Infections	4									1												5
GC and CT Infections	23						1	3		1				1	2	3	18	10		1		63

* 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 2008. This information includes the number of reported cases of notifiable communicable diseases for which individuals in Manitoba tested positive* on laboratory samples and/or clinical reports, during the month of February 2008.

Communicable Diseases

In total, there were **387** new infections occurring across 30 communicable diseases** (excluding sexually transmitted infections and HIV) in February 2008. 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:

- Diphtheria – 1 throat specimen reported, 0 cases expected
- Hepatitis B – 2 cases reported, 0-1 cases expected
- Malaria – 2 cases reported, 0-1 cases expected

The expected number of cases and accompanying range is based on the statistical number of cases during January, February and March, 2003-2008.

Diphtheria is uncommon in Manitoba. Routine immunization is offered to prevent and control disease. Malaria is a travel related disease and is not endemic in temperate zone countries such as Canada.

MRSA positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals, who have no symptoms and are found with admission screening activities at facilities. If facilities increase their screening activities, it would result in a rise in colonized MRSA cases. Together MRSA and *Clostridium difficile* accounted for 53% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living. *C. difficile* cases tended to be concentrated in the 60+ age group, while cases of MRSA were reported in all age groups. Within January and February, the count of *C. difficile* cases in 2007 was 228, whereas in 2008 has been 147.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **614** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in December:

- 503 cases of chlamydia (Ct)
- 49 cases of gonorrhoea (GC)
- 61 co-infections of Ct and GC and
- 1 case of syphilis

Forty-three percent of all GC and Ct cases in the province were reported among females of age group 15-24 years. 52% all Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 20% were from the Burntwood Health Region.

In February, 34 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Seven Manitobans tested positive for HIV in January. 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. Six of the HIV cases reported in February were between 25 and 39 years of age and one case was between 50 and 59 years.

***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) (ICD9 B95.6)
- Schistosomiasis (ICD9: 120)
- *Streptococcus pneumoniae* – other site (ICD9: 041.2)
- *Strongyloides* (ICD9: 127.2)
- Vancomycin resistant enterococci (VRE) (ICD9 B96.8)

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 February 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	3	4	3	1-5	7	5
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.1	BAC. MENINGITIS - PNEUM	1		0	0-1	1	
320.7	BAC. MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS	4	1		***	6	1
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			0	0-2	1	
008.43	CAMPYLOBACTER	8	17	13	5-21	25	30
558.2	CLOSTRIDIUM DIFFICILE	97	67		***	228	147
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	2	2	0-5	7	4
061.0	DENGUE FEVER			0	0-1		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		1	0	0-1	1	1
008.0	E. COLI-VEROTOXIGENIC		1	3	0-10	1	4
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	7	4	9	3-15	19	12
041.5	H.I.B.-NON MTGS		1	0	0-2		1
041.59	HAEM. INFLUENZAE (non-B)	2			***	2	2
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	1	1	2	0-4	4	2
070.3	HEPATITIS B	1	2	0	0-1	1	2
070.51	HEPATITIS C	31	34	34	14-54	55	58
487.1A	INFLUENZA A	30	43		***	47	56
487.1B	INFLUENZA B		14		***	1	19
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES		1	0	0-1		2
088.81	LYME DISEASE			0	0-0		
084	MALARIA		2	0	0-1		4
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			1	0-2	1	
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		1
B95.6	MRSA	137	138	89	0-181	314	326
072.9	MUMPS			0	0-1		
036.89	N.MENINGITIDIS OTHER		1	0	0-1		2
728.86	NECROTIZING FASCIITIS		1	0	0-2		1
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS		6	3	0-9	2	7
038.2	PNEUM. SEPTICEMIA	16	9	7	0-15	22	21
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER		1	0	0-1		1

* 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	
		2007	2008	Expected*	Ex. Range**	2007	2008
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	22	15	15	4-26	50	37
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS		4	2	0-4	1	6
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK		2		***		2
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE	1	1	0	0-1	1	1
127.2	STRONGYLOIDES	2		0	0-2	4	
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-1		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.		1	2	0-5	3	3
011	TUBERCULOSIS - RESP.	9	9	7	3-11	14	12
010	TUBERCULOSIS-PRIM.	1		1	0-6	1	
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	7	3		***	11	8
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
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		1	0-3	3	
		384	387			834	780

* 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 2008

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																				1								1
008.43	CAMPYLOBACTER		1		1	1			1	1	1		1	1	1	2	2	1	1		1	1							17
558.2	CLOSTRIDIUM DIFFICILE	1	1	1	1	1	2			1		1	2			4	2	2	4	5	1	4	8	2	13	11			67
007.8	CRYPTOSPORIDIOSIS				1	1																							2
032	DIPH. CASES																								1				1
123.4	DIPHYLLOBOTHRIUM																1												1
008.0	E.COLI 0157				1																								1
007.1	GIARDIA LAMBLIA				1	1										2													4
041.5	HAEM.INFLUENZA B (not csf				1																								1
070.1	HEPATITIS A											1																	1
070.3	HEPATITIS B											1								1									2
070.51	HEPATITIS C											1	2	1		4	2	10	3	6		1	1	1			2		34
487.1A	INFLUENZA A	4	8	2	1	3	4			2	1	1			1	2	4		2	1	1		1		3	2			43
487.1B	INFLUENZA B		1			1	1		1						1	1		1	1					1	3	2			14
027.0	LISTERIA MONOCYTOGENES																						1						1
084	MALARIA				1											1													2
B95.6	MRSA	2	3	3	4	5	2	1	5	2	4	4	9	8	3	3	8	8	9	6	4	3	9	4	8	9	12		138
728.86	NECROTIZING FASCIITIS																		1										1
036.89	NEISSERIA MGTS(Other)																	1											1
033.0	PERTUSSIS	2	1			3																							6
083.0	Q. FEVER																							1					1
003.0	SALMONELLA							1		2	1	2		1		1	1	1		1	1	1	1		1				15
004	SHIGELLOSIS		1				2	1																					4
785.5	STAPHYLOCOCCUS AUREUS																1			1									2
481	STREP. PNEUMONIAE PNEUMON											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		
038.2	STREP.PNEUMOCOCCAL SEPTIC												1				1	1	2	1	2	1							9
013	TUBERCULOSIS - NON-RESP.																								1				1
011	TUBERCULOSIS - RESP.															2	3	2	1				1						9
B96.8	VANCOMYCIN RES. ENTER.																			1		1			1				3
		9	16	6	12	17	11	2	9	4	9	8	19	11	6	9	30	23	28	20	21	9	17	17	15	30	27		387

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR February 2008

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	1																					1
008.43	CAMPYLOBACTER	5	1		1		5		2		2				1								17
558.2	CLOSTRIDIUM DIFFICILE	40	4		2		2		4		4			3		3		2		2		1	67
007.8	CRYPTOSPORIDIOSIS																1	1					2
032	DIPH. CASES								1														1
123.4	DIPHYLLOBOTHRIUM																1						1
008.0	E.COLI 0157										1												1
007.1	GIARDIA LAMBLIA	3	1																				4
041.5	HAEM.INFLUENZA B (not csf	1																					1
070.1	HEPATITIS A		1																				1
070.3	HEPATITIS B	1							1														2
070.51	HEPATITIS C	21	1		1			1	4		2			1		1		1	1				34
487.1A	INFLUENZA A	16		1	3		1		5		3			7		1		1	3	2			43
487.1B	INFLUENZA B	7					1				2			3					1				14
027.0	LISTERIA MONOCYTOGENES	1																					1
084	MALARIA	2																					2
B95.6	MRSA	48	4	1			1		6		3	1		6		3	6	8	33	17		1	138
728.86	NECROTIZING FASCIITIS	1																					1
036.89	NEISSERIA MGTS(Other)										1												1
033.0	PERTUSSIS	3														1		1	1				6
083.0	Q. FEVER	1																					1
003.0	SALMONELLA	6			1						5			1		2							15
004	SHIGELLOSIS	4																					4
785.5	STAPHYLOCOCCUS AUREUS	2																					2
481	STREP. PNEUMONIAE PNEU MON.	1																					1
038.2	STREP.PNEUMOCOCCAL SE PTIC.	4							1								1	1	2				9
013	TUBERCULOSIS - NON-RESP.																1						1
011	TUBERCULOSIS - RESP.	3																1	5				9

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

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				
B96.8	VANCOMYCIN RES. ENTER.								1				1		1								3
		174	12	2	8		10	1	26		23	1	22		12	8	16	45	25		1	1	387

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

STD Infection Summary Report - February 2008

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2007	2008	2007	2008
All Chlamydia Infections	353	564	776	1219
All Gonorrhea Infections (including PRNG)	83	110	204	257
All Syphilis Infections	3	1	6	6
Gonorrhea & Chlamydia Co-infections	33	61	68	124
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	6	7	14	13

Total Number of STD Cases by Age and Gender - February 2008

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	3	130	39	95	60	56	29	38	24	8	7	2	3		3						503
Gonorrhea Only Cases							1		7	6	7	7	5	5	3	5		1	1	1								49
Syphilis Only Cases																					1							1
GC and CT Cases								1	12	3	14	6	7	4	4	5	3	1			1							61
							7	4	149	48	116	73	68	38	45	34	11	9	3	4		5						614
HIV													1	1	2	2				1								7

Regional STD Distribution - February 2008

Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*			F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
All Chlamydia Infections	291	24	12	6	2	7	3	22	3	24		20	3	9	4	17	85	28		4		564
All Gonorrhea Infections	50	2	2			1		2		5				3	1	3	30	9		2		110
All Syphilis Infections	1																					1
GC and CT Infections	21	2	1			1		1		2					1	2	23	7				61

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

SUMMARY OF COMMUNICABLE DISEASE FOR February 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	3	4	3	1-5	7	5
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.1	BAC. MENINGITIS - PNEUM	1		0	0-1	1	
320.7	BAC. MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS	4	1		***	6	1
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			0	0-2	1	
008.43	CAMPYLOBACTER	8	17	13	5-21	25	30
558.2	CLOSTRIDIUM DIFFICILE	97	67		***	228	147
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	2	2	0-5	7	4
061.0	DENGUE FEVER			0	0-1		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		1	0	0-1	1	1
008.0	E. COLI-VEROTOXIGENIC		1	3	0-10	1	4
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	7	4	9	3-15	19	12
041.5	H.I.B.-NON MTGS		1	0	0-2		1
041.59	HAEM. INFLUENZAE (non-B)	2			***	2	2
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	1	1	2	0-4	4	2
070.3	HEPATITIS B	1	2	0	0-1	1	2
070.51	HEPATITIS C	31	34	34	14-54	55	58
487.1A	INFLUENZA A	30	43		***	47	56
487.1B	INFLUENZA B		14		***	1	19
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES		1	0	0-1		2
088.81	LYME DISEASE			0	0-0		
084	MALARIA		2	0	0-1		4
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			1	0-2	1	
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		1
B95.6	MRSA	137	138	89	0-181	314	326
072.9	MUMPS			0	0-1		
036.89	N.MENINGITIDIS OTHER		1	0	0-1		2
728.86	NECROTIZING FASCIITIS		1	0	0-2		1
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS		6	3	0-9	2	7
038.2	PNEUM. SEPTICEMIA	16	9	7	0-15	22	21
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER		1	0	0-1		1

* 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	
		2007	2008	Expected*	Ex. Range**	2007	2008
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	22	15	15	4-26	50	37
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS		4	2	0-4	1	6
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK		2		***		2
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE	1	1	0	0-1	1	1
127.2	STRONGYLOIDES	2		0	0-2	4	
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-1		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.		1	2	0-5	3	3
011	TUBERCULOSIS - RESP.	9	9	7	3-11	14	12
010	TUBERCULOSIS-PRIM.	1		1	0-6	1	
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	7	3		***	11	8
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
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		1	0-3	3	
		384	387			834	780

* 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 2008

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																				1								1
008.43	CAMPYLOBACTER		1		1	1			1	1	1		1	1	1	2	2	1	1		1	1							17
558.2	CLOSTRIDIUM DIFFICILE	1	1	1	1	1	2			1		1	2			4	2	2	4	5	1	4	8	2	13	11			67
007.8	CRYPTOSPORIDIOSIS				1	1																							2
032	DIPH. CASES																								1				1
123.4	DIPHYLLOBOTHRIUM																1												1
008.0	E.COLI 0157				1																								1
007.1	GIARDIA LAMBLIA				1	1										2													4
041.5	HAEM.INFLUENZA B (not csf				1																								1
070.1	HEPATITIS A											1																	1
070.3	HEPATITIS B											1								1									2
070.51	HEPATITIS C											1	2	1		4	2	10	3	6		1	1	1			2		34
487.1A	INFLUENZA A	4	8	2	1	3	4			2	1	1			1	2	4		2	1	1		1		3	2			43
487.1B	INFLUENZA B		1			1	1		1						1	1		1	1					1	3	2			14
027.0	LISTERIA MONOCYTOGENES																						1						1
084	MALARIA				1											1													2
B95.6	MRSA	2	3	3	4	5	2	1	5	2	4	4	9	8	3	3	8	8	9	6	4	3	9	4	8	9	12		138
728.86	NECROTIZING FASCIITIS																		1										1
036.89	NEISSERIA MGTS(Other)																	1											1
033.0	PERTUSSIS	2	1			3																							6
083.0	Q. FEVER																							1					1
003.0	SALMONELLA							1		2	1	2		1		1	1	1		1	1	1	1		1				15
004	SHIGELLOSIS		1				2	1																					4
785.5	STAPHYLOCOCCUS AUREUS																1			1									2
481	STREP. PNEUMONIAE PNEUMON											1																	1

		<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			
038.2	STREP.PNEUMOCOCCAL SEPTIC												1				1	1	2	1	2	1								9
013	TUBERCULOSIS - NON-RESP.																								1					1
011	TUBERCULOSIS - RESP.															2	3	2	1				1							9
B96.8	VANCOMYCIN RES. ENTER.																			1		1			1					3
		9	16	6	12	17	11	2	9	4	9	8	19	11	6	9	30	23	28	20	21	9	17	17	15	30	27			387

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR February 2008

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	1																					1
008.43	CAMPYLOBACTER	5	1		1		5		2		2				1								17
558.2	CLOSTRIDIUM DIFFICILE	40	4		2		2		4		4		3		3		2		2			1	67
007.8	CRYPTOSPORIDIOSIS															1	1						2
032	DIPH. CASES								1														1
123.4	DIPHYLLOBOTHRIUM															1							1
008.0	E.COLI 0157										1												1
007.1	GIARDIA LAMBLIA	3	1																				4
041.5	HAEM.INFLUENZA B (not csf	1																					1
070.1	HEPATITIS A		1																				1
070.3	HEPATITIS B	1							1														2
070.51	HEPATITIS C	21	1		1			1	4		2		1		1		1	1					34
487.1A	INFLUENZA A	16		1	3		1		5		3		7		1		1	3	2				43
487.1B	INFLUENZA B	7					1				2		3						1				14
027.0	LISTERIA MONOCYTOGENES	1																					1
084	MALARIA	2																					2
B95.6	MRSA	48	4	1			1		6		3	1	6		3	6	8	33	17		1		138
728.86	NECROTIZING FASCIITIS	1																					1
036.89	NEISSERIA MGTS(Other)										1												1
033.0	PERTUSSIS	3														1		1	1				6
083.0	Q. FEVER	1																					1
003.0	SALMONELLA	6			1						5		1		2								15
004	SHIGELLOSIS	4																					4
785.5	STAPHYLOCOCCUS AUREUS	2																					2
481	STREP. PNEUMONIAE PNEU MON.	1																					1
038.2	STREP.PNEUMOCOCCAL SE PTIC.	4							1								1	1	2				9
013	TUBERCULOSIS - NON-RESP.															1							1
011	TUBERCULOSIS - RESP.	3															1	5					9

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

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				
B96.8	VANCOMYCIN RES. ENTER.								1				1		1								3
		174	12	2	8		10	1	26		23	1	22		12	8	16	45	25		1	1	387

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

STD Infection Summary Report - February 2008

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2007	2008	2007	2008
All Chlamydia Infections	353	564	776	1219
All Gonorrhea Infections (including PRNG)	83	110	204	257
All Syphilis Infections	3	1	6	6
Gonorrhea & Chlamydia Co-infections	33	61	68	124
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	6	7	14	13

Total Number of STD Cases by Age and Gender - February 2008

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	3	130	39	95	60	56	29	38	24	8	7	2	3		3						503
Gonorrhea Only Cases							1		7	6	7	7	5	5	3	5		1	1	1								49
Syphilis Only Cases																					1							1
GC and CT Cases								1	12	3	14	6	7	4	4	5	3	1			1							61
							7	4	149	48	116	73	68	38	45	34	11	9	3	4		5						614
HIV													1	1	2	2				1								7

Regional STD Distribution - February 2008

Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*			F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
All Chlamydia Infections	291	24	12	6	2	7	3	22	3	24		20	3	9	4	17	85	28		4		564
All Gonorrhea Infections	50	2	2			1		2		5				3	1	3	30	9		2		110
All Syphilis Infections	1																					1
GC and CT Infections	21	2	1			1		1		2					1	2	23	7				61

* 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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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the month of March 2008. This information includes the number of reported cases of notifiable communicable diseases for which individuals in Manitoba tested positive* on laboratory samples and/or clinical reports, during the month of March 2008.

Communicable Diseases (non STI-BBPs)

In total, there were **398** new infections occurring across 22 communicable diseases** (excluding sexually transmitted infections and HIV) in March 2008. 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:

- MRSA – 173 cases reported, 0 – 166 cases expected
- Salmonella – 30 cases reported, 4-24 cases expected

The expected number of cases and accompanying range is based on the statistical number of cases during February, March and April, 2003-2008.

When investigated, no clusters of linked Salmonella cases or sources were found. MRSA positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals, who have no symptoms and are found with admission screening activities at facilities. If facilities increase their screening activities, it would result in a rise in colonized MRSA cases. Together MRSA and *Clostridium difficile* accounted for 61% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living. *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 (STI-BBPs)

There were **617** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in March:

- 504 cases of chlamydia (Ct)
- 58 cases of gonorrhoea (GC)
- 53 co-infections of Ct and GC and
- 2 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. 51% all Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 17% were from the Burntwood Health Region.

In March, 36 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Four Manitobans tested positive for HIV in March. 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 March were all males, between 25 and 49 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) (ICD9 B95.6)
- Schistosomiasis (ICD9: 120)
- *Strongyloides* (ICD9: 127.2)
- Vancomycin resistant enterococci (VRE) (ICD9 B96.8)

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 March 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	3	3	3	0-8	10	8
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.1	BAC. MENINGITIS - PNEUM			0	0-1	1	
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS	2	1		***	8	2
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			0	0-2	1	
008.43	CAMPYLOBACTER	17	14	15	2-28	42	44
558.2	CLOSTRIDIUM DIFFICILE	86	68		***	314	215
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS			2	0-5	7	4
061.0	DENGUE FEVER	1		0	0-1	1	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-0		1
123.4	DIPHYLLOBOTHRUM SPP			0	0-1	1	1
008.0	E. COLI-VEROTOXIGENIC	4	2	4	0-11	5	6
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	7	9	8	3-13	26	21
041.5	H.I.B.-NON MTGS			0	0-2		1
041.59	HAEM. INFLUENZAE (non-B)	2	2		***	4	4
480.8	HANTA VIRUS			0	0-1		
283.11	HEMOLYTIC UREMIC SYNDROME	1		0	0-1	1	
070.1	HEPATITIS A		1	1	0-3	4	3
070.3	HEPATITIS B			0	0-1	1	2
070.51	HEPATITIS C	32	36	34	12-56	87	94
487.1A	INFLUENZA A	20	16		***	67	72
487.1B	INFLUENZA B		9		***	1	28
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		2
088.81	LYME DISEASE			0	0-0		
084	MALARIA	1		1	0-3	1	4
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF	2	1	0	0-1	3	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD		1	0	0-1		2
B95.6	MRSA	141	173	81	0-166	455	499
072.9	MUMPS			0	0-1		
036.89	N.MENINGITIDIS OTHER			0	0-1		2
728.86	NECROTIZING FASCIITIS		1	0	0-1		2
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	1		2	0-8	3	7
038.2	PNEUM. SEPTICEMIA	6	11	7	0-15	28	32
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		1

* 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	
		2007	2008	Expected*	Ex. Range**	2007	2008
056.9	RUBELLA			0	0-1		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-4	1	
003.0	SALMONELLA	20	30	14	4-24	70	67
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	2	1	2	0-5	3	7
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK	1			***	1	2
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	1	0-3	1	2
127.2	STRONGYLOIDES	2		0	0-1	6	
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-1		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	2	2	2	0-5	5	5
011	TUBERCULOSIS - RESP.	8	8	8	6-10	22	20
010	TUBERCULOSIS-PRIM.			2	0-7	1	
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	4	8		***	15	16
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
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		1	0-3	5	
		367	398			1201	1178

* 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 2008

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
036.0	BAC.MGTS-NMGTS(MGCCL MGTS)			1																									1
116.0	BLASTOMYCOSIS															1													1
008.43	CAMPYLOBACTER			1						1		1		2		1	3	2					1		1	1			14
558.2	CLOSTRIDIUM DIFFICILE		1					2						1	2	3	2	3	2	5	7	6	7	5	3	9	10		68
008.0	E.COLI 0157											1		1															2
007.1	GIARDIA LAMBLIA			1	1		1			1				1			1		1		1		1						9
041.59	HAEM. INFLUENZAE (non-B)	1																			1								2
070.1	HEPATITIS A									1																			1
070.51	HEPATITIS C											2		2	5	4	6	4	5	1	3	2			1			1	36
487.1A	INFLUENZA A	1	1	2	1			1								1	2	1	1		1					3	1		16
487.1B	INFLUENZA B					1	1					1				1	2		2					1					9
036.2	MENINGOCOCCEMIA(MGCCEMI A)							1																					1
B95.6	MRSA	2	4	5	8	3	4	7	4	6	7	7	2	7	4	9	9	4	13	7	11	5	12	6	7	12	8		173
728.86	NECROTIZING FASCIITIS																	1											1
003.0	SALMONELLA			1	3	1	1					2	1	1	1	4	2	2	2	1		3	3	1			1		30
004	SHIGELLOSIS													1															1
481	STREP. PNEUMONIAE PNEUMON																	1											1
038.2	STREP.PNEUMOCOCCAL SEPTIC		2		1							1				1		1		2		2				1			11
013	TUBERCULOSIS - NON-RESP.													1												1			2
011	TUBERCULOSIS - RESP.				1									1		1		5											8
B96.8	VANCOMYCIN RES. ENTER.																		2	1		2	1	2					8
047.9	VIRAL MENINGITIS-UNSPEC							1																					1
		4	8	11	14	5	7	10	7	9	8	13	5	14	16	25	26	20	30	19	25	19	27	14	15	25	22		399

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR March 2008

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
036.0	BAC.MGTS-NMGTS(MGCCL M															1							1
116.0	BLASTOMYCOSIS													1									1
008.43	CAMPYLOBACTER	8	1							1		2	1			1							14
558.2	CLOSTRIDIUM DIFFICILE	47	4		1		1		4	2		3		1		1		1	1		1	1	68
008.0	E.COLI 0157	1								1													2
007.1	GIARDIA LAMBLIA	8																1					9
041.59	HAEM. INFLUENZAE (non-B)	2																					2
070.1	HEPATITIS A	1																					1
070.51	HEPATITIS C	25	2				1	1	1	2		2									2		36
487.1A	INFLUENZA A	6	1		1		1		3	2		1		1									16
487.1B	INFLUENZA B						1			3		5											9
036.2	MENINGOCOCCEMIA(MGCCE				1																		1
B95.6	MRSA	63	6		3		2		6	6		4		3	2	4	50	24					173
728.86	NECROTIZING FASCIITIS	1																					1
003.0	SALMONELLA	17	1						3	3		1				1	3				1		30
004	SHIGELLOSIS	1																					1
481	STREP. PNEUMONIAE PNEU	1																					1
038.2	STREP.PNEUMOCOCCAL SE	6														1	4						11
013	TUBERCULOSIS - NON-RESP.				1						1												2
011	TUBERCULOSIS - RESP.	1		1													6						8
B96.8	VANCOMYCIN RES. ENTER.	4								2				2									8
047.9	VIRAL MENINGITIS-UNSPEC									1													1
		195	15	1	7		6	1	17	23	1	18	1	8	2	9	64	26		4	1		399

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

STD Infection Summary Report - March 2008

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2007	2008	2007	2008
All Chlamydia Infections	393	557	1169	1776
All Gonorrhea Infections (including PRNG)	100	111	304	368
All Syphilis Infections	2	2	8	8
Gonorrhea & Chlamydia Co-infections	45	53	113	177
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	12	4	26	17

Total Number of STD Cases by Age and Gender - March 2008

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		122	41	108	69	52	27	30	25	6	13	6	1								504
Gonorrhea Only Cases									5	5	14	9	5	5	3	4	3	2	2		1							58
Syphilis Only Cases															1							1						2
GC and CT Cases									12	5	8	7	5	4	4	4		4										53
							4		139	51	130	85	62	36	38	33	9	19	8	1		1	1					617
HIV													1		1		2											4

Regional STD Distribution - March 2008

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	286	28	9	6		10	3	20	5	28	1	19	1	15	5	19	62	32		6	2	557
All Gonorrhea Infections	46	1	3	5		2	1	1	1	1		4		2		5	27	8		3	1	111
All Syphilis Infections	2																					2
GC and CT Infections	26	1		2				1		1				2		3	13	4				53

* 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 April 2008. This information includes the number of reported cases of notifiable communicable diseases for which individuals in Manitoba tested positive* on laboratory samples and/or clinical reports, during the month of April 2008.

Communicable Diseases (non STI-BBPs)

In total, there were **386** new infections occurring across 21 communicable diseases** (excluding sexually transmitted infections and HIV) in April 2008. 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:

- Diphtheria Carriers (positive Diphtheria samples from external sites) – 2 cases reported, 0 cases expected
- MRSA – 175 cases reported, 0 – 162 cases expected
- Typhoid Fever – 1 case reported, 0 cases expected

The expected number of cases and accompanying range is based on the statistical number of cases during March, April and May, 2003-2008.

MRSA positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals, who have no symptoms and are found with admission screening activities at facilities. If facilities increase their screening activities, it would result in a rise in colonized MRSA cases. Together MRSA and *Clostridium difficile* accounted for 66% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living. *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 April:

- 551 cases of chlamydia (Ct)
- 95 cases of gonorrhoea (GC)
- 62 co-infections of Ct and GC and
- 2 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. 51% all Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 21% were from the Burntwood Health Region.

In April, 32 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Ten Manitobans tested positive for HIV in April. 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. Positive tests included in this month's statistics include both nominal and non-nominal testing results. If HIV case investigation forms identify previous positive results with the appropriate nominal or non-nominal information, duplicate counting can be reduced. The HIV cases reported in April were both male and female, between 15 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) (ICD9 B95.6)
- Schistosomiasis (ICD9: 120)
- *Streptococcus pneumoniae* – other site (ICD9: 041.2)
- *Strongyloides* (ICD9: 127.2)
- Vancomycin resistant enterococci (VRE) (ICD9 B96.8)

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 April 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	10	3	3	0-8	20	11
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS	1		0	0-1	1	
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.1	BAC. MENINGITIS - PNEUM			0	0-1	1	
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS	1	1		***	9	3
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			0	0-2	1	
008.43	CAMPYLOBACTER	12	12	16	2-30	54	56
558.2	CLOSTRIDIUM DIFFICILE	81	80		***	395	295
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2		2	0-5	9	4
061.0	DENGUE FEVER			0	0-1	1	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS		2	0	0-0		2
032	DIPHTHERIA CASES			0	0-0		1
123.4	DIPHYLLOBOTHRIUM SPP			0	0-1	1	1
008.0	E. COLI-VEROTOXIGENIC	2	4	4	0-10	7	10
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	5	5	9	4-14	31	26
041.5	H.I.B.-NON MTGS			0	0-2		1
041.59	HAEM. INFLUENZAE (non-B)		1		***	4	5
480.8	HANTA VIRUS	1		0	0-1	1	
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1	1	
070.1	HEPATITIS A	1	2	2	0-10	5	5
070.3	HEPATITIS B	1	1	1	0-2	2	3
070.51	HEPATITIS C	25	32	35	16-54	112	126
487.1A	INFLUENZA A	3	6		***	70	78
487.1B	INFLUENZA B		10		***	1	38
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		2
088.81	LYME DISEASE			0	0-0		
084	MALARIA	1		1	0-4	2	4
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			0	0-1	3	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		2
B95.6	MRSA	149	175	81	0-162	604	674
072.9	MUMPS			0	0-2		
036.89	N.MENINGITIDIS OTHER			0	0-1		2
728.86	NECROTIZING FASCIITIS	1		0	0-1	1	2
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	1		2	0-7	4	7
038.2	PNEUM. SEPTICEMIA	5	12	8	1-15	33	44
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		1

* 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	
		2007	2008	Expected*	Ex. Range**	2007	2008
056.9	RUBELLA	2		0	0-1	2	
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-4	1	
003.0	SALMONELLA	20	19	14	5-23	90	87
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	4	1	1	0-3	7	9
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***	1	2
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	0-3	1	2
127.2	STRONGYLOIDES		1	1	0-5	6	1
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-1		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	3	2	2	0-5	8	7
011	TUBERCULOSIS - RESP.	8	7	9	7-11	30	27
010	TUBERCULOSIS-PRIM.	1		2	0-8	2	
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID		1	0	0-0		1
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	3	9		***	18	25
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
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	
		344	386			1545	1566

* 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 2008

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												1
008.43	CAMPYLOBACTER					1				1	1		1		2	1	2	1			1			1					12
558.2	CLOSTRIDIUM DIFFICILE	1	1							1	2			1	2	2	2	3	4	3	4	6	7	13	4	13	11		80
V02.4	DIPH. CARRIERS			1			1																						2
008.0	E. COLI 0157					1	2																	1					4
007.1	GIARDIA LAMBLIA				2									1				1						1					5
041.59	HAEM. INFLUENZAE (non-B)											1																	1
070.1	HEPATITIS A					1				1																			2
070.3	HEPATITIS B											1																	1
070.51	HEPATITIS C											1			3	3	6	2	3	3	7	1					1	2	32
487.1A	INFLUENZA A																	1				1		1	1	2			6
487.1B	INFLUENZA B																1				1			2	1	4	1		10
B95.6	MRSA	5	3	6	9	4	2	8	3	1	1	7	9	9	3	8	8	5	9	10	7	6	4	11	10	12	15		175
003.0	SALMONELLA			3			1				1	1		2	1	1	1	3			3			1		1			19
004	SHIGELLOSIS																				1								1
038.2	STREP.PNEUMOCOCCAL SEPTIC		1		1											2		1	1	1	1	2	1			1			12
127.2	STRONGYLOIDIASIS																				1								1
013	TUBERCULOSIS - NON-RESP.																	1				1							2
011	TUBERCULOSIS - RESP.									1		2				1			1			1				1			7
002.0	TYPHOID											1																	1
B96.8	VANCOMYCIN RES. ENTER.									1								1	1	1	1		1	1	1		1		9
		6	5	10	12	7	6	8	3	4	7	11	13	13	11	19	22	18	20	19	27	16	15	32	17	32	31		386

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR April 2008

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	2	1																				3
116.0	BLASTOMYCOSIS	1																					1
008.43	CAMPYLOBACTER	3					1		1		2		3		1		1						12
558.2	CLOSTRIDIUM DIFFICILE	49	3		2		2		8		8		4				2	2					80
V02.4	DIPH. CARRIERS																	1	1				2
008.0	E. COLI 0157	1			1				1									1					4
007.1	GIARDIA LAMBLIA	3	1				1																5
041.59	HAEM. INFLUENZAE (non-B)																		1				1
070.1	HEPATITIS A	1	1																				2
070.3	HEPATITIS B	1																					1
070.51	HEPATITIS C	21		1	1			1	1	1	1				1		1	1	2				32
487.1A	INFLUENZA A	6																					6
487.1B	INFLUENZA B	8							2														10
B95.6	MRSA	67	5		3		2		7		7		5		4	2	10	38	24	1			175
003.0	SALMONELLA	9					2		2		1		1	1	1		1	1					19
004	SHIGELLOSIS	1																					1
038.2	STREP.PNEUMOCOCCAL SEPTIC	4			1		1				2							2	2				12
127.2	STRONGYLOIDIASIS	1																					1
013	TUBERCULOSIS - NON-RESP.	1																1					2
011	TUBERCULOSIS - RESP.	3										1						3					7
002.0	TYPHOID	1																					1
B96.8	VANCOMYCIN RES. ENTER.	6							1		1		1										9
		189	11	1	8		9	1	23	1	22	1	14	1	7	2	15	50	30	1			386

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

STD Infection Summary Report - April 2008

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2007	2008	2007	2008
All Chlamydia Infections	354	613	1523	2389
All Gonorrhea Infections (including PRNG)	103	157	407	526
All Syphilis Infections	7	2	15	10
Gonorrhea & Chlamydia Co-infections	40	62	153	239
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	6	10	32	27

Total Number of STD Cases by Age and Gender - April 2008

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		138	37	114	68	48	36	43	23	14	10	6	4							1	551
Gonorrhea Only Cases									21	4	14	16	7	7	10	7	1	3	1	3		1						95
Syphilis Only Cases											1			1														2
GC and CT Cases									15	9	11	3	7	7	2	4		2	1			1						62
							9		174	50	140	87	62	51	55	34	15	15	8	7		2						710
HIV									1			2	1	1	1	1		2	1									10

Regional STD Distribution - April 2008

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	313	15	9	8	1	7	3	24	1	29		26	6	17	7	17	91	35		1	3	613
All Gonorrhea Infections	82		3							6		5		4	1	3	40	12		1		157
All Syphilis Infections	1														1							2
GC and CT Infections	34									3		2		1	1	1	18	2				62

* 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^e 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 May 2008. This information includes the number of reported cases of notifiable communicable diseases for which individuals in Manitoba tested positive* on laboratory samples and/or clinical reports, during the month of May 2008.

Communicable Diseases (non STI-BBPs)

In total, there were **372** new infections occurring across 21 communicable diseases** (excluding sexually transmitted infections and HIV) in May 2008. 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:

- Diphtheria Carriers (positive Diphtheria samples from external sites) – 1 cases reported, 0 cases expected
- Strep. pneumococcal septicaemia – 17 cases reported, 2 – 14 cases expected
- Tuberculosis, respiratory – 16 cases reported, 2 – 13 expected

The expected number of cases and accompanying range is based on the statistical number of cases April, May and June, 2003-2008.

MRSA positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals, who have no symptoms and are found with admission screening activities at facilities. If facilities increase their screening activities, it would result in a rise in colonized MRSA cases. Together MRSA and *Clostridium difficile* accounted for 60% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living. *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 **625** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in May:

- 499 cases of chlamydia (Ct)
- 72 cases of gonorrhoea (GC)
- 49 co-infections of Ct and GC and
- 5 cases of syphilis

Forty-five percent of all GC and Ct cases in the province were reported among females of age group 15-24 years. 48% all Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 20% were from the Burntwood Health Region.

In May, 32 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Thirteen Manitobans tested positive for HIV in May. 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. Positive tests included in this month's statistics include both nominal and non-nominal testing results. If HIV case investigation forms identify previous positive results with the appropriate nominal or non-nominal information, duplicate counting can be reduced. The HIV cases reported in May were both male and female, between 15 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) (ICD9 B95.6)
- Schistosomiasis (ICD9: 120)
- *Streptococcus pneumoniae* – other site (ICD9: 041.2)
- *Strongyloides* (ICD9: 127.2)
- Vancomycin resistant enterococci (VRE) (ICD9 B96.8)

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 May 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	4	4	4	0-9	24	17
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS	1		0	0-1	2	
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.1	BAC. MENINGITIS - PNEUM	2		0	0-1	3	
320.7	BAC. MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS	1	1		***	10	4
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			0	0-1	1	
008.43	CAMPYLOBACTER	21	17	20	3-37	75	74
558.2	CLOSTRIDIUM DIFFICILE	82	68		***	477	363
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS		1	2	0-5	9	6
061.0	DENGUE FEVER			0	0-0	1	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH. CARRIERS		1	0	0-0		3
032	DIPHTHERIA CASES			0	0-0		1
123.4	DIPHYLLOBOTHRIUM SPP	2		1	0-3	3	1
008.0	E. COLI-VEROTOXIGENIC	2		7	0-14	9	12
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	11	9	9	3-15	42	39
041.5	H.I.B.-NON MTGS			0	0-1		1
041.59	HAEM. INFLUENZAE (non-B)	3			***	7	6
480.8	HANTA VIRUS			0	0-1	1	
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0	1	
070.1	HEPATITIS A	1	2	3	0-11	6	7
070.3	HEPATITIS B	1		1	0-2	3	3
070.51	HEPATITIS C	39	32	34	15-53	151	158
487.1A	INFLUENZA A				***	70	78
487.1B	INFLUENZA B		5		***	1	43
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		2
088.81	LYME DISEASE			0	0-2		
084	MALARIA	5		2	0-6	7	4
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			0	0-1	3	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		2
B95.6	MRSA	140	156	86	0-176	744	829
072.9	MUMPS	3		0	0-2	3	
036.89	N.MENINGITIDIS OTHER			0	0-1		2
728.86	NECROTIZING FASCIITIS	2	3	1	0-4	3	5
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	1		3	0-8	5	7
038.2	PNEUM. SEPTICEMIA	9	17	8	2-14	43	61
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-0		1

* 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	
		2007	2008	Expected*	Ex. Range**	2007	2008
056.9	RUBELLA			0	0-1	2	
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-4	1	1
003.0	SALMONELLA	11	22	14	6-22	101	113
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	1	2	1	0-3	8	12
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***	1	2
481.9	STREP PNEUMONIA - PR			0	0-1		
041.1	STREP PYOGENES - OTHER STER	2	7		***	17	19
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	0-3	1	2
127.2	STRONGYLOIDES	7	2	1	0-5	13	3
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-1		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-1		
013	TUBERCULOSIS - NON-RESP.			2	0-1		
011	TUBERCULOSIS - RESP.	6	16	8	2-13	33	38
010	TUBERCULOSIS-PRIM.	1	2	1	0-7	3	3
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID			0	0-0		1
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	4	4		***	22	29
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
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	1	0-3	7	1
		363	372			1913	1955

* 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 2008

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																	1											1
008.43	CAMPYLOBACTER	1			2	1					1		2	1		2	2		2		1		1		1				17
558.2	CLOSTRIDIUM DIFFICILE	1							1			1			1	4		3	3	2	2	9	5	7	4	14	11		68
007.8	CRYPTOSPORIDIOSIS									1																			1
V02.4	DIPH. CARRIERS												1																1
007.1	GIARDIA LAMBLIA			1	2	1	1							1		1			1					1					9
070.1	HEPATITIS A							1										1											2
070.51	HEPATITIS C											1			1	7	7	5	4		5		2						32
487.1B	INFLUENZA B																									5			5
B95.6	MRSA	3	4	4	9	6	5	6	3	3	5	5	2	6	8	5	11	6	7	7	4	4	8	5	5	13	12		156
728.86	NECROTIZING FASCIITIS											1					1	1											3
003.0	SALMONELLA		1	1	1			1	1		1	1			2	2	1		4	2	2		1		1				22
004	SHIGELLOSIS											1						1											2
041.1	STREP PYOGENES - OTHER ST					1												1	1	1		2	1						7
038.2	STREP.PNEUMOCOCCAL SEPTIC	1				1	1			1	1						1	2	3	1	1		1	1		2			17
038.0	STREPTOCOCCAL SEPTICEMIA		1									1	1	1		1	1	1	1	1	2	1			1		3		16
127.2	STRONGYLOIDIASIS													1					1										2
010	TUBERCULOSIS - PRIM		1					1																					2
011	TUBERCULOSIS - RESP.													1	1	5	5	3			1								16
B96.8	VANCOMYCIN RES. ENTER.																			1	1					2			4
008.44	YERSINIA ENTEROCOLITICA											1																	1
		6	7	6	14	10	7	9	5	4	9	11	7	10	13	23	30	25	33	15	18	18	20	13	13	36	26		388

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR May 2008

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman	S.Eastman	Interlake	Central	Assiniboine	Parkland	Norman	Burntwood	Churchill	OOP	Missing	TOTAL
<i>Case Referred to:*</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>		
006.9	AMEBIASIS	1	1				2								4
116.0	BLASTOMYCOSIS	1													1
008.43	CAMPYLOBACTER	7	2				2		2		1		1		17
558.2	CLOSTRIDIUM DIFFICILE	37	3		1		3		8		6		1	1	68
007.8	CRYPTOSPORIDIOSIS										1				1
V02.4	DIPH. CARRIERS													1	1
007.1	GIARDIA LAMBLIA	3					1		1			1	1	1	9
070.1	HEPATITIS A	2													2
070.51	HEPATITIS C	19	2				1		3			1	1	2	32
487.1B	INFLUENZA B	5													5
B95.6	MRSA	58	8		2		2		2		3		6	41	156
728.86	NECROTIZING FASCIITIS	3													3
003.0	SALMONELLA	13					3		1		2		2	1	22
004	SHIGELLOSIS	1					1								2
041.1	STREP PYOGENES - OTHER	5			1									1	7
038.2	STREP.PNEUMOCOCCAL SE	7			1		1		1		3			3	17
038.0	STREPTOCOCCAL SEPTICEM	7	1		1		1		1		1		1	1	16
127.2	STRONGYLOIDIASIS	2													2
010	TUBERCULOSIS - PRIM	1											1		2
011	TUBERCULOSIS - RESP.	8											8		16
B96.8	VANCOMYCIN RES. ENTER.	3									1				4
008.44	YERSINIA ENTEROCOLITICA		1												1
		183	18		6		17		18		18		8	1	388

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

STD Infection Summary Report - May 2008

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2007	2008	2007	2008
All Chlamydia Infections	414	548	1933	2928
All Gonorrhea Infections (including PRNG)	125	121	531	644
All Syphilis Infections	4	5	19	16
Gonorrhea & Chlamydia Co-infections	53	49	205	286
HIV	3	13	34	41

Total Number of STD Cases by Age and Gender - May 2008

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	2	122	28	111	51	59	24	45	32	10	10	2			1		1				499
Gonorrhea Only Cases									10	7	9	8	11	7	7	8	1	2		2								72
Syphilis Only Cases									1		1				2					1								5
GC and CT Cases									11		13	11	5	2	2	2	2		1									49
							1	2	144	35	134	70	75	33	56	42	13	12	2	4		1		1				625
HIV									1			2			1	2	1	2	1	3								13

Regional STD Distribution - May 2008

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	259	5	13	9		7	2	18		23		52	9	17	3	20	73	36		2		548
All Gonorrhea Infections	49	1	3	1				2		4		11		2	1	9	28	8		2		121
All Syphilis Infections	4										1											5
GC and CT Infections	13		1					1		1		7		2	1	1	16	6				49

* F=Federal Jurisdiction (includes First Nations and Inuit Health) 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^e 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 June 2008. This information includes the number of reported cases of notifiable communicable diseases for which individuals in Manitoba tested positive* on laboratory samples and/or clinical reports, during the month of June 2008.

Communicable Diseases (non STI-BBPs)

In total, there were **383** new infections occurring across 24 communicable diseases** (excluding sexually transmitted infections and HIV) in June 2008. 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:

- N. meningitidis – in other sterile samples (not blood or CSF), 1 case reported, 0 cases expected

The expected number of cases and accompanying range is based on the statistical number of cases May, June and July, 2003-2008.

MRSA positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals, who have no symptoms and are found with admission screening activities at facilities. If facilities increase their screening activities, it would result in a rise in colonized MRSA cases. Together MRSA and *Clostridium difficile* accounted for 63% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living. *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 **618** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in June:

- 488 cases of chlamydia (Ct)
- 62 cases of gonorrhoea (GC)
- 64 co-infections of Ct and GC and
- 4 cases of syphilis

Forty-five percent of all GC and Ct cases in the province were reported among females of age group 15-24 years. 52% all Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 19% were from the Burntwood Health Region.

In June, 36 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Five Manitobans tested positive for HIV in June. 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. Positive tests included in this month's statistics include both nominal and non-nominal testing results. If HIV case investigation forms identify previous positive results with the appropriate nominal or non-nominal information, duplicate counting can be reduced. The HIV cases reported in June were predominantly male, between 20 and 49 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) (ICD9 B95.6)
- Schistosomiasis (ICD9: 120)
- *Streptococcus pneumoniae* – other site (ICD9: 041.2)
- *Strongyloides* (ICD9: 127.2)
- Vancomycin resistant enterococci (VRE) (ICD9 B96.8)

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 June 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	4	3	3	0-7	28	20
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS		1	0	0-1	2	1
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.1	BAC. MENINGITIS - PNEUM		1	0	0-1	3	1
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS	3	3		***	13	7
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS	2		0	0-1	3	
008.43	CAMPYLOBACTER	27	17	23	7-39	102	91
558.2	CLOSTRIDIUM DIFFICILE	69	76		***	546	439
046.1	CREUTZFELD-JACOB DISEASE		1		***		1
007.8	CRYPTOSPORIDIOSIS	1	1	2	0-7	10	7
061.0	DENGUE FEVER			0	0-0	1	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		3
032	DIPHTHERIA CASES			0	0-1		1
123.4	DIPHYLLOBOTRIUM SPP	3		1	0-3	6	1
008.0	E. COLI-VEROTOXIGENIC	10	5	8	0-18	19	17
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	6	17	12	3-21	48	56
041.5	H.I.B.-NON MTGS			0	0-1		1
041.59	HAEM. INFLUENZAE (non-B)		1		***	7	7
480.8	HANTA VIRUS			0	0-0	1	
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0	1	
070.1	HEPATITIS A			3	0-11	6	7
070.3	HEPATITIS B			1	0-2	3	3
070.51	HEPATITIS C	22	36	32	14-50	173	194
487.1A	INFLUENZA A				***	70	78
487.1B	INFLUENZA B		1		***	1	44
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		2
088.81	LYME DISEASE			1	0-3		
084	MALARIA	1	1	2	0-6	8	5
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1	3	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		2
B95.6	MRSA	165	167	101	4-198	909	996
072.9	MUMPS	2		1	0-3	5	
036.89	N.MENINGITIDIS OTHER		1	0	0-0		3
728.86	NECROTIZING FASCIITIS	2	2	1	0-5	5	7
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	2	1	4	0-9	7	8
038.2	PNEUM. SEPTICEMIA	7	8	7	1-13	50	69
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-0		1

* 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	
		2007	2008	Expected*	Ex. Range**	2007	2008
056.9	RUBELLA			0	0-0	2	
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-3	1	1
003.0	SALMONELLA	17	21	14	6-22	118	134
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS			1	0-3	8	12
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***	1	2
481.9	STREP PNEUMONIA - PR			0	0-1		
041.1	STREP PYOGENES - OTHER STER	1	1		***	18	20
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1	1	2
127.2	STRONGYLOIDES			1	0-5	13	3
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-1		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI	1		0	0-1	1	
013	TUBERCULOSIS - NON-RESP.			0	0-1		
011	TUBERCULOSIS - RESP.	2	8	7	2-16	35	46
010	TUBERCULOSIS-PRIM.			1	0-7	3	3
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID			0	0-0		1
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	2	9		***	24	38
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
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	11			***	11	
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA		1	1	0-3	7	2
		360	383			2273	2338

* 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 2008

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
005.8	B. CEREUS															1													1
320.1	BAC. MENINGITIS - PNEUM																				1								1
116.0	BLASTOMYCOSIS												1									1		1					3
008.43	CAMPYLOBACTER		1		1				1		3		1		1	1	1		2	2		2		1					17
558.2	CLOSTRIDIUM DIFFICILE							1		1	2	2		1		4	2	2	4	5	2	7	6	7	6	15	9		76
046.1	CREUTZFELD JACOB DISEASE																						1						1
007.8	CRYPTOSPORIDIOSIS							1																					1
008.0	E. COLI 0157							1			1										2					1			5
007.1	GIARDIA LAMBLIA			5		1	1		3			2		1	1	1	1			1									17
041.59	HAEM. INFLUENZAE (non-B)															1													1
070.51	HEPATITIS C							1	1		1			2	3	5	3	4	1	8	1		2	1			3		36
487.1B	INFLUENZA B	1																											1
084	MALARIA													1															1
B95.6	MRSA	5	3	6	6	3	4	5	3	6	9	6	4	3	7	14	6	9	8	7	5	5	13	4	6	13	7		167
728.86	NECROTIZING FASCIITIS																	1			1								2
036.89	NEISSERIA MGTS(Other)																				1								1
033.0	PERTUSSIS		1																										1
003.0	SALMONELLA				3	1	2	2			2	1	1	2			1	1				1		2		1	1		21
041.1	STREP PYOGENES - OTHER ST											1																	1
038.2	STREP.PNEUMOCOCCAL SEPTIC															1		3			1		1				2		8
038.0	STREPTOCOCCAL SEPTICEMIA				1							1								1	1	1	1			1			7
013	TUBERCULOSIS - NONRESP.																												
010	TUBERCULOSIS - PRIM																												
011	TUBERCULOSIS - RESP.									1			1			1	1	1		1	2								8
B96.8	VANCOMYCIN RES. ENTER.																	1	1					2	2	2	1		9

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		
008.44	YERSINIA ENTEROCOLITICA							1																					1
		6	5	11	11	5	7	9	10	9	16	13	10	9	11	26	19	21	19	17	21	21	22	20	16	32	21		390

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR June 2008

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
005.8	B. CEREUS	1																					1
320.1	BAC. MENINGITIS - PNEUM								1														1
116.0	BLASTOMYCOSIS	3																					3
008.43	CAMPYLOBACTER	6			1		3		1		3		2		1								17
558.2	CLOSTRIDIUM DIFFICILE	44	6		2		2		4		9		5		1		1	1	1				76
046.1	CREUTZFELD JACOB DISEAS												1										1
007.8	CRYPTOSPORIDIOSIS																1						1
008.0	E. COLI 0157	2							1				1		1								5
007.1	GIARDIA LAMBLIA	12	2				2						1										17
041.59	HAEM. INFLUENZAE (non-B)																	1					1
070.51	HEPATITIS C	19	4				2	1	1		2		2				3		2				36
487.1B	INFLUENZA B	1																					1
084	MALARIA	1																					1
B95.6	MRSA	67	3	1	1		1		14		6		6		1	2	11	29	25				167
728.86	NECROTIZING FASCIITIS	2																					2
036.89	NEISSERIA MGTS(Other)	1																					1
033.0	PERTUSSIS										1												1
003.0	SALMONELLA	8	1		1		2		3		4						1		1				21
041.1	STREP PYOGENES - OTHER	1																					1
038.2	STREP.PNEUMOCOCCAL SE	5					1											1	1				8
038.0	STREPTOCOCCAL SEPTICEM	2							2		2				1								7
013	TUBERCULOSIS - NONRESP.																						
010	TUBERCULOSIS - PRIM																						
011	TUBERCULOSIS - RESP.	4																4					8
B96.8	VANCOMYCIN RES. ENTER.	8							1														9
008.44	YERSINIA ENTEROCOLITICA	1																					1

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

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				
		191	16	1	5		13	1	28		27		18		5	2	17	36	30				390

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

STD Infection Summary Report - June 2008

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2007	2008	2007	2008
All Chlamydia Infections	378	552	2311	3480
All Gonorrhea Infections (including PRNG)	115	126	646	770
All Syphilis Infections	3	4	22	20
Gonorrhea & Chlamydia Co-infections	53	64	258	350
HIV	5	5	39	46

Total Number of STD Cases by Age and Gender - June 2008

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	3	118	29	104	51	47	48	34	25	7	8	3	2		2						488
Gonorrhea Only Cases									12	6	8	3	9	4	6	7	2	4		1								62
Syphilis Only Cases									1						1	1			1									4
GC and CT Cases									20	8	15	8	4	4	3	1		1										64
							7	3	151	43	127	62	60	56	44	34	9	13	4	3		2						618
HIV											1	2				1		1										5

Regional STD Distribution - June 2008

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	288	14	5	12		15	5	22		27		22	2	11	2	21	74	28		4		552
All Gonorrhea Infections	61	1	2	2			2	3		6		3		4		3	30	7		1	1	126
All Syphilis Infections	4																					4
GC and CT Infections	29	1	2							3		1		2		2	18	5		1		64

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

**Health**

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Santé

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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the month of July 2008. This information includes the number of reported cases of notifiable communicable diseases for which individuals in Manitoba tested positive* on laboratory samples and/or clinical reports, during the month of July 2008.

Communicable Diseases (non STI-BBPs)

In total, there were **453** new infections occurring across 26 communicable diseases** (excluding sexually transmitted infections and HIV) in July 2008. The observed numbers of cases were within the statistically expected range for all of the reported communicable diseases.

The expected number of cases and accompanying range is based on the statistical number of cases June, July and August, 2003-2008.

MRSA positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals, who have no symptoms and are found with admission screening activities at facilities. If facilities increase their screening activities, it would result in a rise in colonized MRSA cases. Together MRSA and *Clostridium difficile* accounted for 65% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living. *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 **661** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in July:

- 544 cases of chlamydia (Ct)
- 65 cases of gonorrhoea (GC)
- 44 co-infections of Ct and GC and
- 8 cases of syphilis

Forty-three percent of all GC and Ct cases in the province were reported among females of age group 15-24 years. 47% all Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 18% were from the Burntwood Health Region.

In July, 29 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Ten Manitobans tested positive for HIV in July. 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. Positive tests included in this month's statistics include both nominal and non-nominal testing results. If HIV case investigation forms

identify previous positive results with the appropriate nominal or non-nominal information, duplicate counting can be reduced. The HIV cases reported in July included four females between the ages of 15 and 19 and the rest of the cases were spread over the ages 30 to 69.

***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) (ICD9 B95.6)
- Schistosomiasis (ICD9: 120)
- *Streptococcus pneumoniae* – other site (ICD9: 041.2)
- *Strongyloides* (ICD9: 127.2)
- Vancomycin resistant enterococci (VRE) (ICD9 B96.8)

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 July 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	3	1	3	0-7	31	22
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1		
005.8	B. CEREUS			0	0-1	2	1
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.1	BAC. MENINGITIS - PNEUM			0	0-1	3	1
320.7	BAC.MENINGITIS-LISTERIA				***		
038.0	BETA STREP SEPTICEMIA	8	12		***	58	69
116.0	BLASTOMYCOSIS				***	13	7
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1		
005.2	C. PERFRINGENS			1	0-3	3	
008.43	CAMPYLOBACTER	31	23	27	16-38	133	116
558.2	CLOSTRIDIUM DIFFICILE	83	69		***	629	508
046.1	CREUTZFELD-JACOB DISEASE				***		1
007.8	CRYPTOSPORIDIOSIS	9	4	5	0-18	19	11
061.0	DENGUE FEVER			0	0-0	1	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS		1	0	0-0		4
032	DIPHTHERIA CASES			0	0-1		1
123.4	DIPHYLLOBOTHRIUM SPP	1		1	0-4	7	1
008.0	E. COLI-VEROTOXIGENIC	9	5	13	0-34	28	22
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	17	16	14	5-23	65	78
041.5	H.I.B.-NON MTGS			0	0-1		1
041.59	HAEM. INFLUENZAE (non-B)		1		***	7	8
480.8	HANTA VIRUS			0	0-0	1	
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0	1	
070.1	HEPATITIS A		1	2	0-5	6	8
070.3	HEPATITIS B	1		1	0-3	4	2
070.51	HEPATITIS C	24	29	29	16-42	197	221
487.1A	INFLUENZA A				***	70	78
487.1B	INFLUENZA B				***	1	44
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		2
088.81	LYME DISEASE	3	2	1	0-4	3	3
084	MALARIA		1	1	0-5	8	6
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1	3	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		2
B95.6	MRSA	171	226	120	0-241	1080	1220
072.9	MUMPS			1	0-3	5	
036.89	N.MENINGITIDIS OTHER			0	0-0		3
728.86	NECROTIZING FASCIITIS	5	1	1	0-5	10	8
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	7	6	3	0-8	14	14
038.2	PNEUM. SEPTICEMIA	6	6	6	0-12	56	75
073.9	PSITTACOSIS			0	0-0		

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

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
083.0	Q 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	0-2	2	1
003.0	SALMONELLA	16	21	16	8-24	134	159
120	SCHISTOSOMIASIS			0	0-1		
004	SHIGELLOSIS	1	1	1	0-3	9	13
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-1		
785.5	STAPH TOXIC SHOCK				***	1	2
481.9	STREP PNEUMONIA - PR		1	0	0-1		1
041.1	STREP PYOGENES - OTHER STER	3	1		***	21	21
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE	2		0	0-1	3	2
127.2	STRONGYLOIDES			0	0-1	13	3
037	TETANUS			0	0-1		
130.9	TOXOPLASMOSIS			0	0-1		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-1	1	
013	TUBERCULOSIS - NON-RESP.	1	3	2	0-5	10	12
011	TUBERCULOSIS - RESP.	8	15	8	0-15	50	66
010	TUBERCULOSIS-PRIM.		1	1	0-3	3	4
021.9	TULAREMIA	1		0	0-1	1	
002.0	TYPHOID			0	0-0		1
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	5	5		***	29	43
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
198	WNV NEUROLOGICAL SYNDROME	18	1		***	18	1
008.44	YERSINIA ENTEROCOLITICA			1	0-3	7	2
		434	453			2762	2871

* 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 2008

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
038.0	BETA STREP SEPTICEMIA															2	1		1	3		1	1		2	1			12
008.43	CAMPYLOBACTER			2	1		1		1	1	2			2		2	1	2	4	1				1	2				23
558.2	CLOSTRIDIUM DIFFICILE	1		1			1			1	1	1		1		3	2	4	1	4	6	4	2	4	7	17	8		69
007.8	CRYPTOSPORIDIOSIS				1	1			1					1															4
V02.4	DIPH. CARRIERS								1																				1
008.0	E. COLI 0157			1	1				1			1							1										5
007.1	GIARDIA LAMBLIA	1	2		1	2	1		3			1				1		2		2									16
041.59	HAEM. INFLUENZAE (non-B)																	1											1
070.1	HEPATITIS A																	1											1
070.51	HEPATITIS C											1	1		2	4	5	3	9		3						1		29
088.81	LYME DISEASE					1	1																						2
084	MALARIA																	1											1
B95.6	MRSA	3	4	10	14	12	7	7	11	13	10	9	9	6	9	17	13	8	10	8	8	8	7	1	8	5	9		226
728.86	NECROTIZING FASCIITIS													1															1
481.9	PENICILLIN-RESIS STREP.PN																					1							1
033.0	PERTUSSIS	2			2	2																							6
038.2	PNEUM. SEPTICEMIA															1	2	2			1								6
003.0	SALMONELLA				2				1	1	1		3	2	1		2	1	2	2		2	1						21
004	SHIGELLOSIS									1																			1
041.1	STREP PYOGENES - OTHER ST																									1			1
013	TUBERCULOSIS - NONRESP								1	1				1															3
010	TUBERCULOSIS - PRIM				1																								1
011	TUBERCULOSIS - RESP								1		1					1	2	1	2		2		2	1	1		1		15
B96.8	VANCOMYCIN RES. ENTER.							1										1		1				1		1			5
198	WNV Neurological Syndrome																					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		
		7	6	14	23	18	11	8	19	18	16	13	14	13	13	26	29	22	33	21	25	15	16	7	18	27	20		453

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR July 2008

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	1																					1
038.0	BETA STREP SEPTICEMIA	8							1		1						1				1		12
008.43	CAMPYLOBACTER	9	1				3		2		3		3		2								23
558.2	CLOSTRIDIUM DIFFICILE	45	5		4		2		3		6		2					2					69
007.8	CRYPTOSPORIDIOSIS	1															2		1				4
V02.4	DIPH. CARRIERS																	1					1
008.0	E. COLI 0157	1									1		2								1		5
007.1	GIARDIA LAMBLIA	8			1						2		3		1				1				16
041.59	HAEM. INFLUENZAE (non-B)										1												1
070.1	HEPATITIS A														1								1
070.51	HEPATITIS C	17	2					3	1		1		2						1		2		29
088.81	LYME DISEASE		1								1												2
084	MALARIA	1																					1
B95.6	MRSA	73	4		3		2		9		7		3		5	1	24	53	42				226
728.86	NECROTIZING FASCIITIS	1																					1
481.9	PENICILLIN-RESIS STREP.PN	1																					1
033.0	PERTUSSIS								3		1								2				6
038.2	PNEUM. SEPTICEMIA	2							1				1						2				6
003.0	SALMONELLA	8	3				1		2		1	1	3		1		1						21
004	SHIGELLOSIS	1																					1
041.1	STREP PYOGENES - OTHER	1																					1
013	TUBERCULOSIS - NONRESP	3																					3
010	TUBERCULOSIS - PRIM	1																					1
011	TUBERCULOSIS - RESP	4									1						1	6	3				15
B96.8	VANCOMYCIN RES. ENTER.	3											1					1					5
198	WNV Neurological Syndrome												1										1
		189	16		8		8	3	22	1	25	1	21		10	1	29	63	52		4		453

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

STD Infection Summary Report - July 2008

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2007	2008	2007	2008
All Chlamydia Infections	436	588	2743	4064
All Gonorrhea Infections (including PRNG)	143	109	789	882
All Syphilis Infections	4	8	26	27
Gonorrhea & Chlamydia Co-infections	51	44	309	396
HIV	8	10	47	56

Total Number of STD Cases by Age and Gender - July 2008

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							2	1	129	44	120	82	63	37	28	22	6	7	2		1							544
Gonorrhea Only Cases							2	1	7	3	8	9	8	7	6	8		5		1								65
Syphilis Only Cases										1				1			1	3			1				1			8
GC and CT Cases							2		11	6	6	3	2	4	3	4		2		1								44
							6	2	147	54	134	94	73	49	37	34	7	17	2	2		2				1		661
HIV									4						1	1	1	1		1	1							10

Regional STD Distribution - July 2008

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	279	20	15	5		8	7	11		40		46	3	13	3	24	83	24		6	1	588
All Gonorrhea Infections	50	1		1				2		7		2				2	32	10		2		109
All Syphilis Infections	7			1																		8
GC and CT Infections	11							2		5		1				1	18	4		2		44

* F=Federal Jurisdiction (includes First Nations and Inuit Health) 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 August 2008. This information includes the number of reported cases of notifiable communicable diseases for which individuals in Manitoba tested positive* on laboratory samples and/or clinical reports, during the month of August 2008.

Communicable Diseases (non STI-BBPs)

In total, there were 551 new infections occurring across 28 communicable diseases** (excluding sexually transmitted infections and HIV) in August 2008. 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:

- Cryptosporidiosis - 21 cases reported, 0 to 20 cases expected per month
- Methicillin-resistant *Staphylococcus aureus* (MRSA) – 309 positive lab isolates on individual cases reported, 3 to 261 expected per month
- Shigellosis – 4 cases reported, 0 to 3 cases expected

The expected number of cases and accompanying range is based on the statistical number of cases July, August and September, 2003-2008.

MRSA positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals, who have no symptoms and are diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would result in a rise in colonized MRSA cases. Together MRSA and *Clostridium difficile* accounted for 69% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living during August. *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 603 cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in August:

- 497 cases of chlamydia (Ct)
- 62 cases of gonorrhoea (GC)
- 40 co-infections of Ct and GC and
- 4 cases of syphilis

Forty-seven percent of all Ct cases in the province were reported among females of age group 15-24 years. 51% all Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 16% were from the Burntwood Health Region.

In August, 23 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Seven Manitobans tested positive for HIV in August. 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. Positive tests included in this month's statistics include both nominal and non-nominal testing results. If HIV case investigation forms identify previous positive results with the appropriate nominal or non-nominal information, duplicate counting can be reduced. The HIV cases reported in August were predominantly male, between 30 and 69 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) (ICD9 B95.6)
- Schistosomiasis (ICD9: 120)
- *Streptococcus pneumoniae* – other site (ICD9: 041.2)
- *Strongyloides* (ICD9: 127.2)
- Vancomycin resistant enterococci (VRE) (ICD9 B96.8)

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 August 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	2	2	2	0-4	33	24
022	ANTHRAX				***		
127.0	ASCARIASIS	1		0	0-1	1	
005.8	B. CEREUS			0	0-1	2	1
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.1	BAC. MENINGITIS - PNEUM			0	0-1	3	1
320.7	BAC.MENINGITIS-LISTERIA				***		
038.0	BETA STREP SEPTICEMIA	9	17		***	67	86
116.0	BLASTOMYCOSIS		1		***	13	8
005.1	BOTULISM				***		
023	BRUCELLOSIS	1		0	0-1	1	
005.2	C. PERFRINGENS	2		1	0-6	5	
008.43	CAMPYLOBACTER	25	23	27	17-37	158	139
558.2	CLOSTRIDIUM DIFFICILE	66	73		***	695	581
046.1	CREUTZFELD-JACOB DISEASE				***		1
007.8	CRYPTOSPORIDIOSIS	26	21	7	0-20	45	32
061.0	DENGUE FEVER			0	0-0	1	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		4
032	DIPHThERIA CASES			0	0-1		1
123.4	DIPHYLLOBOTHRIUM SPP	5	4	1	0-4	12	5
008.0	E. COLI-VEROTOXIGENIC	7	2	12	0-34	35	24
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	12	10	14	4-24	77	88
041.5	H.I.B.-NON MTGS			0	0-1		1
041.59	HAEM. INFLUENZAE (non-B)		1		***	7	9
480.8	HANTA VIRUS			0	0-0	1	
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0	1	
070.1	HEPATITIS A	1	1	1	0-3	7	9
070.3	HEPATITIS B			1	0-3	4	2
070.51	HEPATITIS C	22	23	30	20-40	219	244
487.1A	INFLUENZA A				***	70	78
487.1B	INFLUENZA B				***	1	44
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES		2	0	0-1		4
088.81	LYME DISEASE	3	1	1	0-3	6	4
084	MALARIA	1	1	1	0-3	9	7
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1	3	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD	1		0	0-1	1	2
B95.6	MRSA	250	309	132	3-261	1330	1529
072.9	MUMPS	2		1	0-3	7	
036.89	N.MENINGITIDIS OTHER			0	0-0		3
728.86	NECROTIZING FASCIITIS		4	1	0-4	10	12
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	1		3	0-8	15	14
038.2	PNEUM. SEPTICEMIA	4	8	6	0-12	60	83
073.9	PSITTACOSIS			0	0-0		

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

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
083.0	Q 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	2
003.0	SALMONELLA	24	17	16	8-24	158	176
120	SCHISTOSOMIASIS			0	0-1		
004	SHIGELLOSIS	1	4	1	0-3	10	17
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-1		
785.5	STAPH TOXIC SHOCK				***	1	2
481.9	STREP PNEUMONIA - PR			0	0-0		1
041.1	STREP PYOGENES - OTHER STER	3	2		***	24	23
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1	3	2
127.2	STRONGYLOIDES	2		0	0-1	15	3
037	TETANUS			0	0-1		
130.9	TOXOPLASMOSIS			0	0-0		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-1	1	
013	TUBERCULOSIS - NON-RESP.	1	2	3	0-5	11	14
011	TUBERCULOSIS - RESP.	10	10	9	0-15	60	76
010	TUBERCULOSIS-PRIM.		1	1	0-3	3	5
021.9	TULAREMIA			0	0-1	1	
002.0	TYPHOID			0	0-0		1
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	4	7		***	33	50
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
198	WNV NEUROLOGICAL SYNDROME	53	1		***	71	2
008.44	YERSINIA ENTEROCOLITICA	1	3	1	0-3	8	5
		540	551			3302	3422

* 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 2008

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
038.0	BETA STREP SEPTICEMIA		1									1	1					1	2		3	1	2		2	1	2		17
116.0	BLASTOMYCOSIS																			1									1
008.43	CAMPYLOBACTER			1	2								2	3	1	2		4	2	2	1	1			1	1			23
558.2	CLOSTRIDIUM DIFFICILE				2							4	2		1	1	2	4	2	5	7	2	8	6	5	12	10		73
007.8	CRYPTOSPORIDIOSIS			3	6	1	3	1		2		1				2	2												21
123.4	DIPHYLLOBOTHRIUM													1				1	1	1									4
008.0	E.COLI 0157											1		1															2
007.1	GIARDIA LAMBLIA				1		1			1		1		1	2			1	1	1									10
041.59	HAEM. INFLUENZAE (non-B)																	1											1
070.1	HEPATITIS A		1																										1
070.51	HEPATITIS C										1		3	1	2	3	1	2	3	4		1	1				1		23
027.0	LISTERIA MONOCYTOGENES																			1		1							2
088.81	LYME DISEASE																	1											1
084	MALARIA																					1							1
B95.6	MRSA	6	9	16	18	14	14	9	9	11	17	9	6	8	7	23	17	13	26	9	12	7	8	2	11	17	11		309
728.86	NECROTIZING FASCIITIS									1										1	1			1					4
038.2	PNEUM. SEPTICEMIA				2						1							1		1	1	1				1			8
003.0	SALMONELLA			2	1	1	2	1		1						1		1	1	2	3						1		17
004	SHIGELLOSIS				1	1	1						1																4
041.1	STREP PYOGENES - OTHER ST																			1	1								2
041.2	STREP.PNEUM.OTHER																	1											1
013	TUBERCULOSIS - NONRESP															1								1					2
010	TUBERCULOSIS - PRIM				1																								1
011	TUBERCULOSIS - RESP									1							3	2	1		2		1						10
B96.8	VANCOMYCIN RES. ENTER.										1									2	1		1				2		7

		<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		
198	WNV Neurological Syndrome																				1					1		2	
008.44	YERSINIA ENTEROCOLITICA			1		1													1									3	
		6	11	23	34	18	21	11	9	17	19	16	14	14	13	34	27	28	42	28	39	13	25	11	19	32	27		552

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR August 2008

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	1								1													2
038.0	BETA STREP SEPTICEMIA	11			1		1		1										2		1		17
116.0	BLASTOMYCOSIS	1																					1
008.43	CAMPYLOBACTER	10	2				1		1		3		3				1		1		1		23
558.2	CLOSTRIDIUM DIFFICILE	45	2		1		1		10		5		2		4		2	1					73
007.8	CRYPTOSPORIDIOSIS	5	1				1		1				1		1		9		2				21
123.4	DIPHYLLOBOTHRIUM	1					1		1								1						4
008.0	E.COLI 0157	1									1												2
007.1	GIARDIA LAMBLIA	6			1		1				1		1										10
041.59	HAEM. INFLUENZAE (non-B)	1																					1
070.1	HEPATITIS A																		1				1
070.51	HEPATITIS C	13			1		1	1	1	1	1	1	1				1					1	23
027.0	LISTERIA MONOCYTOGENES	1											1										2
088.81	LYME DISEASE	1																					1
084	MALARIA	1																					1
B95.6	MRSA	96	11	1	2		2		12		8		5		11	1	15	77	67	1			309
728.86	NECROTIZING FASCIITIS	4																					4
038.2	PNEUM. SEPTICEMIA	5																	3				8
003.0	SALMONELLA	8			2		3		1		2				1								17
004	SHIGELLOSIS	1															3						4
041.1	STREP PYOGENES - OTHER	2																					2
041.2	STREP.PNEUM.OTHER																	1					1
013	TUBERCULOSIS - NONRESP	1									1												2
010	TUBERCULOSIS - PRIM																	1					1
011	TUBERCULOSIS - RESP	5				1												3	1				10
B96.8	VANCOMYCIN RES. ENTER.	5							1		1												7
198	WNV Neurological Syndrome								1				1										2
008.44	YERSINIA ENTEROCOLITICA	1			1		1																3

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

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				
		226	16	1	9	1	13	1	30	1	24	1	15		17	1	32	83	77	1	2	1	552

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

STD Infection Summary Report - August 2008

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2007	2008	2007	2008
All Chlamydia Infections	526	537	3269	4601
All Gonorrhea Infections (including PRNG)	143	102	932	984
All Syphilis Infections	8	4	34	31
Gonorrhea & Chlamydia Co-infections	55	40	364	436
HIV	7	7	54	63

Total Number of STD Cases by Age and Gender - August 2008

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					5		122	28	113	43	53	37	36	34	10	12	1	1		1						497
Gonorrhea Only Cases							1	10	4	10	7	9	3	4	10		2				1		1					62
Syphilis Only Cases													1		1				1		1							4
GC and CT Cases								8	3	7	8	2	4	1	4		2				1							40
		1					5	1	140	35	130	58	64	45	41	49	10	16	1	2		4		1				603
HIV																2	1	3				1						7

Regional STD Distribution - August 2008

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	276	23	18	5		8	4	14		21		26	4	15	1	29	66	21	1	5		537
All Gonorrhea Infections	49	2	5	2			1		1	3		2		1		5	28	2		1		102
All Syphilis Infections	4																					4
GC and CT Infections	16	2	2	1			1			2		1			1	12	1			1		40

* F=Federal Jurisdiction (includes First Nations and Inuit Health) 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^e 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 2008. This information includes the number of reported cases of notifiable communicable diseases for which individuals in Manitoba tested positive* on laboratory samples and/or clinical reports, during the month of September 2008.

Communicable Diseases (non STI-BBPs)

In total, there were **527** new infections occurring across 27 communicable diseases** (excluding sexually transmitted infections and HIV) in September 2008. 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:

- Campylobacteriosis – 38 cases reported, 15 to 37 cases expected per month
- Cryptosporidiosis - 22 cases reported, 0 to 19 cases expected per month
- Methicillin-resistant *Staphylococcus aureus* (MRSA) – 283 positive lab isolates on individual cases reported, 3 to 271 expected per month
- Yersiniosis – 6 cases reported, 0 to 3 cases expected per month

The expected number of cases and accompanying range is based on the statistical number of cases during August, September and October, 2003-2008.

MRSA positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals, who have no symptoms and are diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would result in a rise in colonized MRSA cases. Together MRSA and *Clostridium difficile* accounted for 67% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living during September. *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 **697** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in September:

- 575 cases of chlamydia (Ct)
- 60 cases of gonorrhoea (GC)
- 48 co-infections of Ct and GC and
- 14 cases of syphilis

Forty-seven percent of all Ct cases in the province were reported among females of age group 15-24 years. 49% all Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 13% were from the Burntwood Health Region.

In September, 27 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Twelve Manitobans tested positive for HIV in September. 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. Positive tests included in this month's statistics include both nominal and non-nominal testing results. If HIV case investigation forms identify previous positive results with the appropriate nominal or non-nominal information, duplicate counting can be reduced. The HIV cases reported in September were split relatively evenly between genders: 7 female and 5 male. The age range was considerable with cases occurring between < 1 and 79 years of age, but the majority were aged 25 – 39 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:** Monthly reports reflect variance in the year-to-date counts due to late case confirmation, where cases are assigned to the previous appropriate month.

*****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) (ICD9 B95.6)
- Schistosomiasis (ICD9: 120)
- *Streptococcus pneumoniae* – other site (ICD9: 041.2)
- *Strongyloides* (ICD9: 127.2)
- Vancomycin resistant enterococci (VRE) (ICD9 B96.8)

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 September 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	1		2	0-4	34	24
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1	1	
005.8	B. CEREUS			0	0-1	2	1
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.1	BAC. MENINGITIS - PNEUM		1	0	0-1	3	2
320.7	BAC.MENINGITIS-LISTERIA				***		
038.0	BETA STREP SEPTICEMIA	5	18		***	72	104
116.0	BLASTOMYCOSIS		2		***	13	10
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1	1	
005.2	C. PERFRINGENS			1	0-6	5	
008.43	CAMPYLOBACTER	17	38	26	15-37	175	177
558.2	CLOSTRIDIUM DIFFICILE	73	68		***	768	649
046.1	CREUTZFELD-JACOB DISEASE				***		1
007.8	CRYPTOSPORIDIOSIS	12	23	6	0-19	57	55
061.0	DENGUE FEVER			0	0-0	1	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS		1	0	0-1		5
032	DIPHTHERIA CASES			0	0-0		1
123.4	DIPHYLLOBOTHRIUM SPP	3		1	0-4	15	5
008.0	E. COLI-VEROTOXIGENIC	4	4	11	0-37	39	28
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	5	11	12	2-22	82	102
041.5	H.I.B.-NON MTGS		1	0	0-1		2
041.59	HAEM. INFLUENZAE (non-B)				***	7	9
480.8	HANTA VIRUS			0	0-0	1	
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1	1	
070.1	HEPATITIS A		1	1	0-3	7	10
070.3	HEPATITIS B		1	1	0-3	4	3
070.51	HEPATITIS C	34	27	34	24-44	253	271
487.1A	INFLUENZA A				***	70	78
487.1B	INFLUENZA B				***	1	44
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES		1	0	0-1		5
088.81	LYME DISEASE			1	0-3	6	4
084	MALARIA	2	2	1	0-4	11	9
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1	3	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1	1	2
B95.6	MRSA	220	283	137	3-271	1550	1812
072.9	MUMPS		1	0	0-2	7	1
036.89	N.MENINGITIDIS OTHER			0	0-1		3
728.86	NECROTIZING FASCIITIS	1		1	0-3	11	12
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS	1		0	0-1	1	
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS		1	3	0-9	15	15
038.2	PNEUM. SEPTICEMIA	9	4	7	0-16	69	86
073.9	PSITTACOSIS			0	0-0		

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

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
083.0	Q 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	2
003.0	SALMONELLA	19	10	15	6-24	177	186
120	SCHISTOSOMIASIS	1		0	0-1	1	
004	SHIGELLOSIS	4	3	1	0-4	14	20
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-1		
785.5	STAPH TOXIC SHOCK	1			***	2	2
481.9	STREP PNEUMONIA - PR			0	0-1		1
041.1	STREP PYOGENES - OTHER STER	4	4		***	28	27
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-0	3	2
127.2	STRONGYLOIDES		2	1	0-2	15	5
037	TETANUS			0	0-1		
130.9	TOXOPLASMOSIS			0	0-1		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI	1		0	0-1	2	
013	TUBERCULOSIS - NON-RESP.	2	2	2	0-4	13	16
011	TUBERCULOSIS - RESP.	1	6	8	0-15	61	82
010	TUBERCULOSIS-PRIM.			2	0-3	3	8
021.9	TULAREMIA			0	0-1	1	
002.0	TYPHOID			0	0-0		1
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	6	6		***	39	56
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
198	WNV NEUROLOGICAL SYNDROME	1			***	72	2
008.44	YERSINIA ENTEROCOLITICA		6	1	0-3	8	11
		427	527			3729	3954

* 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 2008

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
038.0	BETA STREP SEPTICEMIA	1								1				1		1		2	3		1	4				1	3		18
116.0	BLASTOMYCOSIS													1						1									2
008.43	CAMPYLOBACTER				1		1				3	1		3	3	2	4	5	5	4	1	1	2		1	1			38
558.2	CLOSTRIDIUM DIFFICILE						1			1		1				1	1	6	1	2	3	4	6	9	5	15	12		68
007.8	CRYPTOSPORIDIOSIS			3	2		5	1	2	1	1			3		1				1	3								23
V02.4	DIPH. CARRIERS			1																									1
008.0	E. COLI 0157					1			1	1						1													4
007.1	GIARDIA LAMBLIA				1	1				1		2	1					2	2	1									11
041.5	HAEM.INFLUENZA B (not csf											1																	1
070.1	HEPATITIS A							1																					1
070.3	HEPATITIS B																1												1
070.51	HEPATITIS C											2	1	1	2		7	2	2	1	5		1	1	1		1		27
027.0	LISTERIA MONOCYTOGENES	1																											1
084	MALARIA										1					1													2
B95.6	MRSA	2	4	15	15	12	8	10	10	11	11	6	12	11	11	13	16	11	13	7	6	14	12	7	14	20	12		283
072.9	MUMPS																	1											1
033.0	PERTUSSIS		1																										1
038.2	PNEUM. SEPTICEMIA																1	1				1				1			4
003.0	SALMONELLA	1						1	1			1	1			2	2				1								10
004	SHIGELLOSIS				2		1																						3
041.1	STREP PYOGENES - OTHER ST															2		1			1								4
127.2	STRONGYLOIDIASIS						1							1															2
013	TB - NONRESPIRATORY													1				1											2
010	TB - PRIMARY																												
011	TB - RESPIRATORY											1				1	1		1		1			1					6

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.											2		1				1						1			1		6
198	WNV Neurological Syndrome																					1					1		2
008.44	YERSINIA ENTEROCOLITICA				1		1					1				1		2											6
		5	5	19	22	14	17	13	15	15	17	15	17	22	18	21	34	32	30	19	19	25	27	19	21	37	30		529

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR September 2008

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
038.0	BETA STREP SEPTICEMIA	13	1						2				1						1				18
116.0	BLASTOMYCOSIS	2																					2
008.43	CAMPYLOBACTER	17	2		1		4		5		2		5		2								38
558.2	CLOSTRIDIUM DIFFICILE	41	4		2				8		3		3		3		2		2				68
007.8	CRYPTOSPORIDIOSIS	5	2		2		1		2				2		2		5		2				23
V02.4	DIPH. CARRIERS	1																					1
008.0	E. COLI 0157	1									3												4
007.1	GIARDIA LAMBLIA	3			4		1						1						2				11
041.5	HAEM.INFLUENZA B (not csf										1												1
070.1	HEPATITIS A	1																					1
070.3	HEPATITIS B	1																					1
070.51	HEPATITIS C	17	2				1	1			1			1	2					2			27
027.0	LISTERIA MONOCYTOGENES																	1					1
084	MALARIA	2																					2
B95.6	MRSA	104	7	2	2		3		10		13		5		6	1	19	59	51	1			283
072.9	MUMPS								1														1
033.0	PERTUSSIS																	1					1
038.2	PNEUM. SEPTICEMIA	2																	2				4
003.0	SALMONELLA	3	2						1		4												10
004	SHIGELLOSIS	1															2						3
041.1	STREP PYOGENES - OTHER ST	1			1												1	1					4
127.2	STRONGYLOIDIASIS	2																					2
013	TB - NONRESPIRATORY	2																					2
010	TB - PRIMARY																						
011	TB - RESPIRATORY	2															1	3					6
B96.8	VANCOMYCIN RES. ENTER.	5									1												6
198	WNV Neurological Syndrome								1				1										2
008.44	YERSINIA ENTEROCOLITICA	1	1										4										6

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

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				
		227	22	2	12		10	1	30		28		22	1	15	1	30	65	60	1	2		529

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

STD Infection Summary Report - September 2008

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2007	2008	2007	2008
All Chlamydia Infections	539	623	3808	5224
All Gonorrhea Infections (including PRNG)	158	108	1090	1092
All Syphilis Infections	3	14	37	45
Gonorrhea & Chlamydia Co-infections	69	48	433	484
HIV	4	12	58	75

Total Number of STD Cases by Age and Gender - September 2008

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		147	47	124	71	51	36	38	25	5	15	3	4								575
Gonorrhea Only Cases									11	4	7	5	5	5	8	7	3	3		2								60
Syphilis Only Cases											2	1		1	1	2		2		2		1	1		1			14
GC and CT Cases							1	1	15	7	8	7	7		2													48
							10	1	173	58	141	84	63	42	49	34	8	20	3	8		1	1		1			697
HIV	1								1		1		3	1	1	3							1					12

Regional STD Distribution - September 2008

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	307	47	9	12	1	8	4	29	3	32		33	6	23	1	16	69	15	2	6		623
All Gonorrhea Infections	45	3	3					5	1	7		3		6		4	27	2		2		108
All Syphilis Infections	7	1		1		2		1		1					1							14
GC and CT Infections	17		1					3		2				5			16	2		2		48

* F=Federal Jurisdiction (includes First Nations and Inuit Health) 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^e 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 2008. This information includes the number of reported cases of notifiable communicable diseases for which individuals in Manitoba tested positive* on laboratory samples and/or clinical reports, during the month of October 2008.

Communicable Diseases (non STI-BBPs)

In total, there were **530** new infections occurring across 23 communicable diseases** (excluding sexually transmitted infections and HIV) in October 2008. 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:

- Methicillin-resistant *Staphylococcus aureus* (MRSA) – 273 positive lab isolates on individual cases reported, 12 to 252 expected per month
- Salmonellosis – 24 cases reported, 2 to 23 cases expected per month
- Shigellosis – 5 cases reported, 0 to 4 cases expected per month

The expected number of cases and accompanying range is based on the statistical number of cases during September, October and November 2003-2008.

MRSA positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals, who have no symptoms and are diagnosed during admission screening activities at facilities. If facilities increase their screening activities, it would result in a rise in colonized MRSA cases. Together MRSA and *Clostridium difficile* accounted for 67% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living during October. *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 **719** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in October:

- 604 cases of chlamydia (Ct)
- 55 cases of gonorrhoea (GC)
- 50 co-infections of Ct and GC and
- 10 cases of syphilis

Forty-five percent of all Ct cases in the province were reported among females of age group 15-24 years. 51% all Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 14% were from the Burntwood Health Region.

In October, 20 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Five Manitobans tested positive for HIV in October. 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. Positive tests included in this month's statistics include both nominal and non-nominal testing results. If HIV case investigation forms identify previous positive results with the appropriate nominal or non-nominal information, duplicate counting can be reduced. The HIV cases reported in October were all males ranging in age between 20 and 49 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:** Monthly reports reflect variance in the year-to-date counts due to late case confirmation, where cases are assigned to the previous appropriate month.

*****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) (ICD9 B95.6)
- Schistosomiasis (ICD9: 120)
- *Streptococcus pneumoniae* – other site (ICD9: 041.2)
- *Strongyloides* (ICD9: 127.2)
- Vancomycin resistant enterococci (VRE) (ICD9 B96.8)

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 October 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	3	2	2	0-4	37	27
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-1	1	
005.8	B. CEREUS			0	0-1	2	1
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.1	BAC. MENINGITIS - PNEUM			0	0-1	3	2
320.7	BAC.MENINGITIS-LISTERIA				***		
038.0	BETA STREP SEPTICEMIA	16	15		***	88	119
116.0	BLASTOMYCOSIS	3	6		***	16	16
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0	1	
005.2	C. PERFRINGENS	1		1	0-6	6	
008.43	CAMPYLOBACTER	27	25	21	8-34	202	202
558.2	CLOSTRIDIUM DIFFICILE	72	83		***	840	733
046.1	CREUTZFELD-JACOB DISEASE				***		1
007.8	CRYPTOSPORIDIOSIS	7	11	4	0-11	64	66
061.0	DENGUE FEVER			0	0-0	1	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS	1		0	0-1	1	5
032	DIPHTHERIA CASES			0	0-1		1
123.4	DIPHYLLOBOTHRIUM SPP	1		1	0-3	16	5
008.0	E. COLI-VEROTOXIGENIC	4	3	6	0-20	43	31
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	6	7	10	1-19	88	110
041.5	H.I.B.-NON MTGS	1		0	0-1	1	2
041.59	HAEM. INFLUENZAE (non-B)	2	3		***	9	12
480.8	HANTA VIRUS			0	0-0	1	
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1	1	
070.1	HEPATITIS A		2	1	0-3	7	12
070.3	HEPATITIS B	1		0	0-1	5	3
070.51	HEPATITIS C	34	20	35	27-43	287	291
487.1A	INFLUENZA A				***	70	78
487.1B	INFLUENZA B				***	1	44
482.83	LEGIONELLA	1		0	0-1	1	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		
027.0	LISTERIA MONOCYTOGENES	1		0	0-1	1	5
088.81	LYME DISEASE			0	0-0	6	4
084	MALARIA	4	1	1	0-4	15	10
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1	3	1
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD			0	0-0	1	2
B95.6	MRSA	215	273	132	12-252	1765	2085
072.9	MUMPS			0	0-1	7	1
036.89	N.MENINGITIDIS OTHER			0	0-1		3
728.86	NECROTIZING FASCIITIS	2	3	1	0-3	13	15
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1	1	
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS			4	0-11	15	15
038.2	PNEUM. SEPTICEMIA	13	13	7	0-16	82	99
073.9	PSITTACOSIS			0	0-0		

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

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
083.0	Q 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		1	0-3	3	2
003.0	SALMONELLA	6	24	13	3-23	183	211
120	SCHISTOSOMIASIS			0	0-1	1	
004	SHIGELLOSIS		5	1	0-4	14	25
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***	2	2
481.9	STREP PNEUMONIA - PR	1		0	0-1	1	1
041.1	STREP PYOGENES - OTHER STER	1	8		***	29	35
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-0	3	2
127.2	STRONGYLOIDES	1		0	0-1	16	5
037	TETANUS			0	0-1		
130.9	TOXOPLASMOSIS	1		0	0-1	1	
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-1	2	
013	TUBERCULOSIS - NON-RESP.	1	2	2	1-4	14	18
011	TUBERCULOSIS - RESP.	3	11	7	1-15	64	93
010	TUBERCULOSIS-PRIM.		1	2	1-3	3	6
021.9	TULAREMIA			0	0-1	1	1
002.0	TYPHOID			0	0-0		1
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	4	10		***	43	66
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
198	WNV NEUROLOGICAL SYNDROME				***	72	2
008.44	YERSINIA ENTEROCOLITICA	1	2	1	0-3	9	13
		435	530			4164	4486

* 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 2008

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
038.0	BETA STREP SEPTICEMIA	3	1											1		1		3		1		1		1	2	1			15
116.0	BLASTOMYCOSIS					1		1				2				1								1					6
008.43	CAMPYLOBACTER			2	3		3					1	2	1	1	2		1	2	1	2	1		1	2				25
558.2	CLOSTRIDIUM DIFFICILE											2				3	1	5	3	2	5	5	3	9	18	17	10		83
007.8	CRYPTOSPORIDIOSIS			1	4				1	1						2	1				1								11
008.0	E. COLI 0157									2													1						3
007.1	GIARDIA LAMBLIA			1	1	1	1					1			1									1					7
041.59	HAEM. INFLUENZAE (non-B)			1												1		1											3
070.1	HEPATITIS A											1			1														2
070.51	HEPATITIS C													1	1	3	2		5	2	4		1	1					20
084	MALARIA				1																								1
B95.6	MRSA	6	6	8	13	11	5	6	6	11	8	10		7	10	11	13	15	20	10	22	9	8	10	12	26	10		273
728.86	NECROTIZING FASCIITIS																	1	1		1								3
038.2	PNEUM. SEPTICEMIA	1	1														5	1		1	2	1		1					13
003.0	SALMONELLA					1	1		3	1	1			1	2	1		1	3	1		3	1	1		2	1		24
004	SHIGELLOSIS					1	1				1				1			1											5
041.1	STREP PYOGENES - OTHER ST											1					2		3		1					1			8
013	TUBERCULOSIS - NON-RESP																	1				1							2
010	TUBERCULOSIS - PRIM			1																									1
011	TUBERCULOSIS - RESP									1			1					3	1		2	1		2					11
B96.8	VANCOMYCIN RES. ENTER.											1						1		2		1	1	3		1			10
198	WNV Neurological Syndrome																					1				1			2
008.44	YERSINIA ENTEROCOLITICA	1																1											2
		11	8	14	22	14	12	6	11	14	12	18	5	10	18	24	26	29	44	19	41	21	17	28	34	49	25		532

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR October 2008

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	2																					2
038.0	BETA STREP SEPTICEMIA	8	1		1							2				1	1	1					15
116.0	BLASTOMYCOSIS	4																1		1			6
008.43	CAMPYLOBACTER	7	1	1	4		3			3		3		1		2							25
558.2	CLOSTRIDIUM DIFFICILE	59	2		1		2		10	2		5		2									83
007.8	CRYPTOSPORIDIOSIS	1								1		4				4		1					11
008.0	E. COLI 0157	1														1	1						3
007.1	GIARDIA LAMBLIA	4	1		1		1																7
041.59	HAEM. INFLUENZAE (non-B)	1																1	1				3
070.1	HEPATITIS A	2																					2
070.51	HEPATITIS C	10	1		1		1		4					2				1					20
084	MALARIA	1																					1
B95.6	MRSA	92	6	2	4		6		8	6		7		9	1	14	75	40	1	1	1		273
728.86	NECROTIZING FASCIITIS	2															1						3
038.2	PNEUM. SEPTICEMIA	3					1		2					1			3	3					13
003.0	SALMONELLA	13	2		1			1	1	4								1		1			24
004	SHIGELLOSIS	1								1						3							5
041.1	STREP PYOGENES - OTHER	5								1							1	1					8
013	TUBERCULOSIS-NON-RESP	2																					2
010	TUBERCULOSIS-PRIM	1																					1
011	TUBERCULOSIS-RESP	6	1														3	1					11
B96.8	VANCOMYCIN RES. ENTER.	1					1		1	3		1		1		2							10
198	WNV Neurological Syndrome								1			1											2
008.44	YERSINIA ENTEROCOLITICA						1			1													2
		226	15	3	13		16	1	27	22		23		16	1	27	86	51	2	2	1		532

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

STD Infection Summary Report - October 2008

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2007	2008	2007	2008
All Chlamydia Infections	672	654	4480	5879
All Gonorrhea Infections (including PRNG)	147	105	1237	1197
All Syphilis Infections	3	10	40	55
Gonorrhea & Chlamydia Co-infections	60	50	493	534
HIV	9	5	67	80

Total Number of STD Cases by Age and Gender - October 2008

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	4	156	53	116	67	72	44	35	32	11	5	1	1	3							604
Gonorrhea Only Cases					1				7	4	10	7	4	4	4	9	3		1						1			55
Syphilis Only Cases									1			2				2	1	1	1				1	1				10
GC and CT Cases							1		14	7	6	6	4	6	4	2												50
					1		5	4	178	64	132	82	80	54	43	45	15	6	3	1	3		1	1		1		719
HIV												1				3		1										5

Regional STD Distribution - October 2008

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	333	39	9	15		9	9	36		28		16	5	29	3	25	64	29		5		654
All Gonorrhea Infections	48	4	11	1				2		4				4	3	3	18	6		1		105
All Syphilis Infections	8					1														1		10
GC and CT Infections	20	2	1	1				2		4				3	2	1	9	4		1		50

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

Manitoba Monthly Communicable Disease Report

Reported up to November 30, 2008

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 69% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living during November 2008.

2. Sexually Transmitted Infections (STI) & Blood-Borne Pathogens (BBP)

There were 604 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in November 2008:

- 514 reported cases of chlamydia (Ct) only
- 46 reported cases of gonorrhoea (GC) only
- 40 reported co-infections of Ct and GC and
- 4 reported cases of syphilis

Chlamydia has the highest incidence of reported STI. Females between the ages of 15 and 24 years comprised 51% of all reported chlamydia cases in the province.

In November 2008, there were no cases of Hepatitis B virus (HBV), 25 cases of Hepatitis C virus (HCV) and 8 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in November 2008 was within the statistically expected range for these reported communicable diseases.

The expected number of cases and range is statistically based on the average number of reported cases during October, November and December, 2003-2008.

Explanatory Notes

General:

Each monthly communicable disease report includes the number of cases of notifiable communicable diseases reported by lab or health provider during each individual month. Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date. Some discrepancy of numbers may be based on reporting delays.

The observed numbers of cases are compared to the statistically expected range for each reportable communicable disease. This involves comparing the current month's case counts to the average case counts for the same month, one month subsequent

and one month prior for the previous five years. These same months over the five years are used to determine the expected range of cases using the statistical calculation of standard deviation. Using this specific monthly pattern allows for adjustment within the statistics for both seasonality and cyclical disease patterns.

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

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

Disease specific information:

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

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

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

SUMMARY OF COMMUNICABLE DISEASE FOR November 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS		3	3	0-7	37	31
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-2	1	
005.8	B. CEREUS			0	0-1	2	1
320.1	BAC. MENINGITIS - PNEUM	1		1	0-2	4	2
320.7	BAC.MENINGITIS-LISTERIA				***		
038.0	BETA STREP SEPTICEMIA	6	10		***	94	129
116.0	BLASTOMYCOSIS	1	1		***	17	17
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1	1	
005.2	C. PERFRINGENS		1	1	0-3	6	1
008.43	CAMPYLOBACTER	12	11	17	4-30	214	214
558.2	CLOSTRIDIUM DIFFICILE	76	80		***	916	813
046.1	CREUTZFELD-JACOB DISEASE	1			***	1	1
007.8	CRYPTOSPORIDIOSIS	5	4	2	0-6	69	71
061.0	DENGUE FEVER			0	0-0	1	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1	1	5
032	DIPHTHERIA CASES	2		0	0-1	2	1
123.4	DIPHYLLOBOTHRIUM SPP		1	1	0-2	16	6
008.0	E. COLI-VEROTOXIGENIC	1	3	4	0-18	44	34
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	7	1	10	3-17	95	114
320.0	H.INFLUENZAE (CSF)			0	0-1		
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1	1	3
041.59	HAEM. INFLUENZAE (non-B)		4		***	9	16
480.8	HANTA VIRUS			0	0-0	1	
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1	1	
070.1	HEPATITIS A			0	0-1	7	11
070.3	HEPATITIS B			0	0-1	6	4
070.51	HEPATITIS C	37	25	34	22-46	324	315
487.1A	INFLUENZA A				***	70	78
487.1B	INFLUENZA B				***	1	44
482.83	LEGIONELLA		1	0	0-1	1	1
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		
027.0	LISTERIA MONOCYTOGENES			0	0-1	1	5
088.81	LYME DISEASE			0	0-1	6	5
084	MALARIA	1	1	1	0-3	15	11
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1	3	2
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		2
B95.6	MRSA	178	193	124	18-230	1943	2279
072.9	MUMPS		1	0	0-1	7	2
036.89	N.MENINGITIDIS OTHER			0	0-1	1	
728.86	NECROTIZING FASCIITIS	2	2	1	0-4	15	17
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0	1	
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	2	1	5	0-14	17	16
038.2	PNEUM. SEPTICEMIA	7	9	8	0-16	89	106
073.9	PSITTACOSIS			0	0-0		

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

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
083.0	Q 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	1	1	0-3	4	3
003.0	SALMONELLA	14	13	12	1-23	197	224
120	SCHISTOSOMIASIS			0	0-1	1	
004	SHIGELLOSIS			1	0-3	14	28
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***	2	2
481.9	STREP PNEUMONIA - PR			0	0-1	1	1
041.1	STREP PYOGENES - OTHER STER	2	7		***	31	43
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-0	3	2
127.2	STRONGYLOIDES	1	1	1	0-5	17	6
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS	1		0	0-1	2	
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0	2	
013	TUBERCULOSIS - NON-RESP.	4	2	2	1-4	18	21
011	TUBERCULOSIS - RESP.	5	3	7	2-11	69	96
010	TUBERCULOSIS-PRIM.	2	1	2	1-3	5	6
021.9	TULAREMIA			0	0-1	1	1
002.0	TYPHOID			0	0-0		1
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	1	14		***	44	80
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
198	WNV NEUROLOGICAL SYNDROME				***	72	2
008.44	YERSINIA ENTEROCOLITICA	1	1	1	0-2	10	14
		371	395			4535	4889

* 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 2008

		<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											3
038.0	BETA STREP SEPTICEMIA		1					1									2	1	1		1	1		2					10
116.0	BLASTOMYCOSIS															1													1
005.2	C. PERFRINGENS														1														1
008.43	CAMPYLOBACTER			1				1				2				1	2			2					1	1			11
558.2	CLOSTRIDIUM DIFFICILE									1		2		2		3		7	2	3	7	7	2	11	14	12	7		80
007.8	CRYPTOSPORIDIOSIS			1			1									1								1					4
123.4	DIPHYLLOBOTHRUM																			1									1
008.0	E. COLI 0157								1		1			1															3
007.1	GIARDIA LAMBLIA				1																								1
041.59	HAEM. INFLUENZAE (non-B)		1	1			1			1																			4
070.51	HEPATITIS C														2	3	5	3	6	2	2		1		1				25
482.83	LEGIONELLA																				1								1
084	MALARIA																			1									1
B95.6	MRSA	4	6	12	11	5	7	3	9	5	7	7	6	2	3	9	9	7	12	11	12	4	4	5	9	7	17		193
072.9	MUMPS										1																		1
728.86	NECROTIZING FASCIITIS															1								1					2
033.0	PERTUSSIS																				1								1
038.2	PNEUM. SEPTICEMIA		2	1											1		1		2		1		1						9
003.0	SALMONELLA		1										2		2		1		1		1	1		1		3			13
041.1	STREP PYOGENES - OTHER ST	1							2							1	1		1		1								7
041.2	STREP.PNEUM.OTHER																		1										1
127.2	STRONGYLOIDIASIS																1												1
013	TUBERCULOSIS - NONRESP															1		1											2
010	TUBERCULOSIS - PRIMARY				1																								1
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	2			1	2	1		2	2	2	1		14
198	WNV Neurological Syndrome																					1					1		2
008.44	YERSINIA ENTEROCOLITICA																			1									1
		5	11	16	13	6	9	5	12	7	10	11	8	6	8	23	24	21	26	21	28	16	10	19	31	25	26		397

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR November 2008

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		
006.9	AMEBIASIS	2											1		3
038.0	BETA STREP SEPTICEMIA	8	1											1	10
116.0	BLASTOMYCOSIS	1													1
005.2	C. PERFRINGENS										1				1
008.43	CAMPYLOBACTER	4	3		1				2		1				11
558.2	CLOSTRIDIUM DIFFICILE	57	1				3		6		5		4		80
007.8	CRYPTOSPORIDIOSIS			1									1		4
123.4	DIPHYLLOBOTHRIUM								1						1
008.0	E. COLI 0157	2							1						3
007.1	GIARDIA LAMBLIA								1						1
041.59	HAEM. INFLUENZAE (non-B)	2												1	4
070.51	HEPATITIS C	17	2		1				1		1				25
482.83	LEGIONELLA	1													1
084	MALARIA	1													1
B95.6	MRSA	79	5	1	3		2		6		5		3	11	193
072.9	MUMPS								1						1
728.86	NECROTIZING FASCIITIS	1					1								2
033.0	PERTUSSIS	1													1
038.2	PNEUM. SEPTICEMIA	5							1				3		9
003.0	SALMONELLA	6					1		2		2	1	1		13
041.1	STREP PYOGENES - OTHER	3							2					2	7
041.2	STREP.PNEUM.OTHER	1													1
127.2	STRONGYLOIDIASIS	1													1
013	TUBERCULOSIS - NONRESP	2													2
010	TUBERCULOSIS - PRIMARY													1	1
011	TUBERCULOSIS - RESP	1											2		3
B96.8	VANCOMYCIN RES. ENTER.	10							1					1	14
198	WNV Neurological Syndrome								1						2
008.44	YERSINIA ENTEROCOLITICA														1

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

STD Infection Summary Report - November 2008

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2007	2008	2007	2008
All Chlamydia Infections	614	554	5094	6437
All Gonorrhea Infections (including PRNG)	149	86	1386	1287
All Syphilis Infections	4	4	44	57
Gonorrhea & Chlamydia Co-infections	68	40	561	575
HIV	9	8	73	86

Total Number of STD Cases by Age and Gender - November 2008

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		134	34	128	52	43	36	40	18	8	9	3	3		1						514
Gonorrhea Only Cases							1	5	3	4	8	6	5	3	8	1	1			1								46
Syphilis Only Cases													1	2	1													4
GC and CT Cases								7	7	5	6	5	2	2	5		1											40
		1					4	1	146	44	137	66	54	44	47	32	9	11	3	3	1	1						604
HIV											1				2	1	1		2			1						8

Regional STD Distribution - November 2008

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	282	38	19	10		13	5	14		30		15	4	11	1	17	60	30	1	3	1	554
All Gonorrhea Infections	37	4	2	1			2			3		1	1	2	2	1	21	8		1		86
All Syphilis Infections	3	1																				4
GC and CT Infections	20	1	1	1			1			2					1		7	5		1		40

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

Manitoba Monthly Communicable Disease Report

Reported up to December 31, 2008

Highlights:

1. Antimicrobial Resistant Organisms

Together Methicillin-resistant *Staphylococcus aureus* (MRSA) and *Clostridium difficile* (*C. difficile*) accounted for 69% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living during December 2008.

2. Sexually Transmitted Infections (STI) & Blood-Borne Pathogens (BBP)

There were 595 reported cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in December 2008:

- 495 reported cases of chlamydia (Ct) only
- 53 reported cases of gonorrhoea (GC) only
- 42 reported co-infections of Ct and GC and
- 5 reported cases of syphilis

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

In December 2008, there was one case of Hepatitis B virus (HBV), 34 cases of Hepatitis C virus (HCV) and 3 cases of HIV newly reported in Manitoba.

3. Other Communicable Diseases

The number of reported cases in December 2008 was within the statistically expected range for these reported communicable diseases with the exception of the following diseases:

- Methicillin-resistant *Staphylococcus aureus* (MRSA) – 222 isolates reported, less than 198 expected in an average month.

The expected number of cases and range is statistically based on the average number of reported cases during November, December and January, 2003-2009.

Explanatory Notes

General:

Each monthly communicable disease report includes the number of cases of notifiable communicable diseases reported by lab or health provider during each individual month. Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date. Some discrepancy of numbers may be based on reporting delays.

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

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

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

Disease specific information:

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

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

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

SUMMARY OF COMMUNICABLE DISEASE FOR December 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	7	3	3	0-6	44	34
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-2	1	
005.8	B. CEREUS			0	0-1	2	1
320.1	BAC. MENINGITIS - PNEUM		1	0	0-1	4	3
320.7	BAC.MENINGITIS-LISTERIA				***		
038.0	BETA STREP SEPTICEMIA	7	9		***	101	138
116.0	BLASTOMYCOSIS		1		***	17	18
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-1	1	
005.2	C. PERFRINGENS	1		2	0-8	7	1
008.43	CAMPYLOBACTER	16	5	13	4-22	230	219
558.2	CLOSTRIDIUM DIFFICILE	70	77		***	986	890
046.1	CREUTZFELD-JACOB DISEASE				***	1	1
007.8	CRYPTOSPORIDIOSIS	2	2	1	0-4	71	73
061.0	DENGUE FEVER			0	0-0	1	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS	1	1	0	0-1	2	6
032	DIPHTHERIA CASES			0	0-0	2	1
123.4	DIPHYLLOBOTHRIUM SPP		1	0	0-1	16	7
008.0	E. COLI-VEROTOXIGENIC	2	2	3	0-8	46	36
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	9	9	10	3-17	104	123
320.0	H.INFLUENZAE (CSF)			0	0-1		
041.5	H.INFLUENZAE (OTHER STERILE)			0	0-1	1	3
041.59	HAEM. INFLUENZAE (non-B)				***	9	16
480.8	HANTA VIRUS			0	0-0	1	
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0	1	
070.1	HEPATITIS A	1	1	1	0-4	8	12
070.3	HEPATITIS B		1	0	0-1	6	5
070.51	HEPATITIS C	23	34	33	21-45	347	349
487.1A	INFLUENZA A	1			***	71	78
487.1B	INFLUENZA B	1	1		***	2	45
482.83	LEGIONELLA			0	0-1	1	1
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		
027.0	LISTERIA MONOCYTOGENES	1		0	0-1	2	5
088.81	LYME DISEASE	1		0	0-0	7	5
084	MALARIA	1	1	0	0-1	16	12
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF		1	0	0-1	3	3
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		2
B95.6	MRSA	169	222	92	0-197	2112	2501
072.9	MUMPS	1		0	0-1	8	2
036.89	N.MENINGITIDIS OTHER			0	0-0	1	
728.86	NECROTIZING FASCIITIS	5		1	0-3	20	17
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0	1	
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS	1		6	0-14	18	16
038.2	PNEUM. SEPTICEMIA	12	5	7	3-11	101	111
073.9	PSITTACOSIS			0	0-0		

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

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
083.0	Q 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	1	0-3	4	4
003.0	SALMONELLA	13	11	13	0-27	210	235
120	SCHISTOSOMIASIS			0	0-1	1	
004	SHIGELLOSIS	1	1	1	0-3	15	29
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK				***	2	2
481.9	STREP PNEUMONIA - PR			0	0-1	1	1
041.1	STREP PYOGENES - OTHER STER	3	6		***	34	49
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK		1	0	0-1		1
481	STREPTOCOCCUS PNEUMONIAE			0	0-0	3	2
127.2	STRONGYLOIDES	7		0	0-1	24	6
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-2	2	
124	TRICHINOSIS			0	0-1		
086	TRYPANOSOMA CRUZI			0	0-0	2	
013	TUBERCULOSIS - NON-RESP.	4	4	2	1-4	22	25
011	TUBERCULOSIS - RESP.	7	12	7	2-12	76	108
010	TUBERCULOSIS-PRIM.		3	2	1-3	5	9
021.9	TULAREMIA			0	0-1	1	1
002.0	TYPHOID			0	0-0		1
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	6	14		***	50	94
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
198	WNV NEUROLOGICAL SYNDROME				***	72	2
008.44	YERSINIA ENTEROCOLITICA		2	0	0-1	10	16
		373	432			4908	5321

* 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 2008

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
320.1	BAC. MENINGITIS - PNEUM																							1					1
036.0	BAC.MGTS-NMGTS(MGCCL MGTS							1																					1
038.0	BETA STREP SEPTICEMIA											2						1			1	2		1		2			9
116.0	BLASTOMYCOSIS																			1									1
008.43	CAMPYLOBACTER		1			1								1		1			1										5
558.2	CLOSTRIDIUM DIFFICILE	1	2											1		1		2	4	8	5	7	8	6	10	14	8		77
007.8	CRYPTOSPORIDIOSIS													1		1													2
V02.4	DIPH. CARRIERS																				1								1
123.4	DIPHYLLOBOTHRIUM																					1							1
008.0	E. COLI 0157											1	1																2
007.1	GIARDIA LAMBLIA			1	1						1					2	3			1									9
070.1	HEPATITIS A									1																			1
070.3	HEPATITIS B															1													1
070.51	HEPATITIS C										1	1	2	2	2	6		8	1	9		2							34
487.1B	INFLUENZA B									1																			1
084	MALARIA																	1											1
B95.6	MRSA	4	3	10	5	6	5	2	6	8	2	11	9	11	8	7	11	17	8	10	13	8	8	5	14	16	15		222
038.2	PNEUM. SEPTICEMIA	1															1		1			1							5
003.0	SALMONELLA	1		1	1					1							1	1		2		2		1					11
004	SHIGELLOSIS					1																							1
041.1	STREP PYOGENES - OTHER ST										1						1		1	1						1	1		6
041.2	STREP.PNEUM.OTHER																	1											1
040.89	STREPTOCOCCAL TOXIC SHOCK																	1											1
013	TUBERCULOSIS - NONRESP																1	1	1	1									4
010	TUBERCULOSIS - PRIMARY			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			
011	TUBERCULOSIS - RESP							1		1	1			1		2	3		1		2									12
B96.8	VANCOMYCIN RES. ENTER.															1	1		1		1	4	1		1	2	2			14
198	WNV Neurological Syndrome																					1					1			2
008.44	YERSINIA ENTEROCOLITICA						1															1								2
		7	6	13	8	8	7	3	7	11	5	16	11	19	10	18	28	22	29	26	31	23	25	12	27	33	29			434

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR December 2008

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
006.9	AMEBIASIS	2					1																3
320.1	BAC. MENINGITIS - PNEUM	1																					1
036.0	BAC.MGTS-NMGTS(MGCCL M GTS																		1				1
038.0	BETA STREP SEPTICEMIA	6	1															2					9
116.0	BLASTOMYCOSIS								1														1
008.43	CAMPYLOBACTER	2									1							1	1				5
558.2	CLOSTRIDIUM DIFFICILE	53	2		2		5		6		3		4		1		1						77
007.8	CRYPTOSPORIDIOSIS		1													1							2
V02.4	DIPH. CARRIERS	1																					1
123.4	DIPHYLLOBOTHRIUM	1																					1
008.0	E. COLI 0157	1					1																2
007.1	GIARDIA LAMBLIA	2	1				2						3	1									9
070.1	HEPATITIS A	1																					1
070.3	HEPATITIS B	1																					1
070.51	HEPATITIS C	21	1				1	1	2		2		2		2			1			1		34
487.1B	INFLUENZA B										1												1
084	MALARIA	1																					1
B95.6	MRSA	102	1	1	1		2		4		7		2		8	1	5	53	32		3		222
038.2	PNEUM. SEPTICEMIA	2					1											1	1				5
003.0	SALMONELLA	4		1	1									2	2	1							11
004	SHIGELLOSIS		1																				1
041.1	STREP PYOGENES - OTHER ST	3									2							1					6
041.2	STREP.PNEUM.OTHER	1																					1
040.89	STREPTOCOCCAL TOXIC SH OCK	1																					1
013	TUBERCULOSIS - NONRESP	4																					4
010	TUBERCULOSIS - PRIMARY																	1	2				3
011	TUBERCULOSIS - RESP	5																5	2				12
B96.8	VANCOMYCIN RES. ENTER.	6							4				1		1			2					14
198	WNV Neurological Syndrome								1				1										2

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

STD Infection Summary Report - December 2008

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2007	2008	2007	2008
All Chlamydia Infections	497	537	5591	6974
All Gonorrhea Infections (including PRNG)	98	95	1484	1382
All Syphilis Infections	3	5	47	62
Gonorrhea & Chlamydia Co-infections	47	42	608	617
HIV	3	3	76	89

Total Number of STD Cases by Age and Gender - December 2008

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		118	33	108	54	54	35	45	24	8	10		1		1						495
Gonorrhea Only Cases									5	4	9	8	6	4	5	6		3	2	1								53
Syphilis Only Cases											1	1				1		2										5
GC and CT Cases							1		9	3	6	13		4	2	2	1		1									42
							5		132	40	124	76	60	43	52	33	9	15	3	2		1						595
HIV									1						1	1												3

Regional STD Distribution - December 2008

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	264	36	6	11		11	6	15	1	27		31	6	17	4	18	52	28		3	1	537
All Gonorrhea Infections	33	2	3			1		4		2		8	1	3	2	8	23	3		2		95
All Syphilis Infections	5																					5
GC and CT Infections	18	2				1		3				2		2		2	12					42

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