



Health

Provincial Health Programs
Public Health Branch
Communicable Disease Control Unit
Fourth Floor, 300 Carlton Street
Winnipeg MB R3B 3M9
CANADA
Telephone: (204) 788-6737
Fax: (204) 948-2040

Santé

Programmes de santé provinciaux
Direction de la santé publique
Prévention des maladies transmissibles
300, rue Carlton, 4^e étage
Winnipeg MB R3B 3M9
CANADA
Téléphone: (204) 788-6737
Télécopieur: (204) 948-2040

Dear Colleague,

Please find attached the **Summary of Communicable Diseases for the Month of June 2005**. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of June 2005.

Communicable Diseases

In total, there were **357** new infections occurring across 25 communicable diseases** (excluding sexually transmitted infections and HIV) in June 2005. The observed number of cases were within the expected range for most of the reported communicable diseases with the exception of Methicillin resistant staphylococcus aureus (MRSA; 114 cases observed; expected range = 0-74 cases) and Streptococcal pneumoniae, other site (3 cases observed; expected range = 0-2 cases). The expected number of cases and accompanying range is based on the number of cases during May, June, and July 2000-2004.

The June report reflects a half-way point in the year, and serves as a good comparison from 2004. Compared to this time last year, cases of reported communicable diseases have increased by about one-quarter. Almost all of this increase can be attributed to the introduction of Clostridium difficile as a reportable disease and an increase in the number of MRSA cases reported to the province.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **412** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in June: 319 cases of chlamydia (Ct), 43 cases of gonorrhoea (Gc), 43 Gc-Ct co-infections, and 7 cases of syphilis. Two-thirds (65.2%) of all Gc and Ct cases in the province were reported among youth aged 15-24 years. More than half (54.1%) of all Gc and Ct cases were reported for individuals living in the Winnipeg health region, and an additional 17.8% were from the Burntwood health region. Compared to the first six months of 2004, a slight decrease in the number of both chlamydia and gonorrhoea cases has been observed; although the number of syphilis cases has increased.

In June 38 individuals tested positive for hepatitis C (HCV). More than half (55.3%) of all newly diagnosed HCV cases in June were reported from the Winnipeg region; an additional 15.7% were reported from the Interlake health region, although many of these cases reflect individuals testing positive in the region's federal penitentiary. More than 70% of new hepatitis C cases reported in June were among males, many between the ages of 30 and 49 years. Additionally, 14 individuals tested positive for HIV in June. Compared to this time last year, numbers of newly reported HCV and HIV have remained the same.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

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

ascariasis (ICD9: 127.0)

clostridium difficile (ICD9: 558.2)

leishmaniasis – unspecified (ICD9: 085.9)

methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)

penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)

schistosomiasis (ICD9: 120)

streptococcus pneumoniae – other site (ICD9: 041.2)

strongyloides (ICD9: 127.2)

toxoplasmosis (ICD9: 130.9)

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

vancomycin resistant enterococci (VRE)

Cheers,

Dr. Carole Beaudoin

Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR June 2005

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2004	2005	Expected*	Ex. Range**	2004	2005
006.9	AMEBIASIS		4	3	0-7	6	19
127.0	ASCARIASIS		1	0	0-0		1
005.8	B. CEREUS			0	0-1	1	
320.82	BAC. MENINGITIS - E.COL			0	0-1		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		1
320.1	BAC. MENINGITIS - PNEUM			0	0-1	3	2
320.3	BAC. MENINGITIS - STAPH			0	0-1	1	
320.2	BAC. MENINGITIS - STREP	1		1	0-3	1	
320.7	BAC.MENINGITIS-LISTERIA				***		
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS	1		1	0-3	4	1
008.43	CAMPYLOBACTER	28	21	24	7-41	105	119
558.2	CLOSTRIDIUM DIFFICILE		101		***		264
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS		2	3	0-8	13	8
065.4	DENGUE FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP			1	0-2	2	1
008.0	E. COLI-VEROTOXIGENIC	9	9	4	0-9	24	18
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-2		
007.1	GIARDIA LAMBLIA	16	8	13	6-20	65	33
041.5	H.I.B.-NON MTGS			0	0-0	3	1
480.8	HANTA VIRUS			0	0-1		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	4	3	2	0-11	10	13
070.3	HEPATITIS B			1	0-2	2	1
070.51	HEPATITIS C	23	38	49	0-102	232	230
054.8	HERPES-W-UNSPEC COMPL			0	0-1		
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1	2	2
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1	3	
027.0	LISTERIA MONOCYTOGENES		1	1	0-5	1	3
088.81	LYME DISEASE			0	0-1		
084	MALARIA	1	2	1	0-3	4	3
055.9	MEASLES			0	0-0	1	
036.0	MENINGOCOCCAL CSF			0	0-2		2
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		2
B95.6	MRSA/VRSA	59	114	36	0-74	354	493
072.9	MUMPS			0	0-1	1	1
036.89	N.MENINGITIDIS OTHER	2		0	0-1	6	2
728.86	NECROTIZING FASCIITIS		1	0	0-1	2	4
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS		1		***		1
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	4	1	5	0-10	38	17
038.2	PNEUM. SEPTICEMIA	3	11	6	0-12	22	50
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			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	
		2004	2005	Expected*	Ex. Range**	2004	2005
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER	1		0	0-1	1	
056.9	RUBELLA			0	0-1		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER	3	3	0	0-2	12	13
003.0	SALMONELLA	12	19	15	8-22	73	72
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS		1	1	0-4	8	7
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR	1		0	0-1	1	
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-1		
040.89	STREPT TOXIC SHOCK			0	0-1		2
481	STREPTOCOCCUS PNEUMONIAE	1		0	0-1	4	2
127.2	STRONGYLOIDES			0	0-1		2
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			2	0-7		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	2	1	2	0-6	9	10
011	TUBERCULOSIS - RESP.	6	6	6	0-13	44	42
010	TUBERCULOSIS-PRIM.		1	2	0-7	13	3
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	25	3		***	90	25
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			1	0-4	1	
047.1	VIRAL MENINGITIS-ECHO	3		3	0-10	6	
047.8	VIRAL MENINGITIS-ENTERO	2	4		***	4	4
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-2	1	
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.3	WEST NILE VIRUS			0	0-0		
008.44	YERSINIA ENTEROCOLITICA		1	1	0-2	6	3
		207	357			1179	1477

* 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 2005

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 +		Missing age/gender	Total	
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M			
006.9	AMEBIASIS			1								1				2									4	
127.0	ASCARIASIS													1											1	
008.43	CAMPYLOBACTER		1	2		3		1	1	1		1	2		1	3	1			1	2	1			21	
558.2	CLOSTRIDIUM DIFFICILE		1		2		1	1		1				3	2	2	1	6	3	4	3	40	30	1	101	
007.8	CRYPTOSPORIDIOSIS											1						1							2	
008.0	E.COLI 0157				1					3	1		1		1							1	1		9	
007.1	GIARDIA LAMBLIA			1			1	1						1				1		2	1				8	
070.1	HEPATITIS A																	1	2						3	
070.51	HEPATITIS C												3	4	3	9	1	6	4	4			4		38	
027.0	LISTERIA MONOCYTOGENES																						1		1	
084	MALARIA												1					1							2	
B95.6	MRSA/VRSA		3	2	4	3	5	3	4	4	3	3	5	2	5	6	6	7	1	4	10	20	14		114	
728.86	NECROTIZING FASCIITIS																				1				1	
033.1	PARAPERTUSSIS							1																	1	
033.0	PERTUSSIS																	1							1	
003.0	SALMONELLA			3	1	3		1		1	1			1		1	1	1	1	1	2	1			19	
004	SHIGELLOSIS											1														1
041.2	STREP.PNEUM.OTHER		1				1													1					3	
038.2	STREP.PNEUMOCOCCAL SEPTIC	1				1						1	1		2	1	2					2			11	
038.0	STREPTOCOCCAL SEPTICEMIA				1												1								2	
013	TUBERCULOSIS - NON-RESP.													1												1
011	TUBERCULOSIS - RESP.																1	4				1			6	
010	TUBERCULOSIS-PRIM.															1									1	
B96.8	VANCOMYCIN RES. ENTER.							1														1	1		3	
047.8	VIRAL MENINGITIS-ENTERO		2					1														1			4	
008.44	YERSINIA ENTEROCOLITICA				1																				1	

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 +		Missing age/gender	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M				
		1	8	9	10	7	11	9	5	10	6	5	10	12	15	17	22	22	20	14	23	70	52		359

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR June 2005

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
				F	P	F	P	F	P	F	P	F	P	F	P	F	P						
Case Referred to:*																							
006.9	AMEBIASIS	4																				4	
127.0	ASCARIASIS	1																				1	
008.43	CAMPYLOBACTER	6	1			3		1		2		6		1				1				21	
558.2	CLOSTRIDIUM DIFFICILE	63	3	1	2	4		1		9		12		4							2	101	
007.8	CRYPTOSPORIDIOSIS	2																				2	
008.0	E.COLI 0157	3				1						5										9	
007.1	GIARDIA LAMBLIA	3				1		2		2												8	
070.1	HEPATITIS A	2			1																	3	
070.51	HEPATITIS C	21			3			6		3		2						2		1		38	
027.0	LISTERIA MONOCYTOGENES	1																				1	
084	MALARIA	2																				2	
B95.6	MRSA/VRSA	40	1			4		1		3		6		3	18	8	21	7			2	114	
728.86	NECROTIZING FASCIITIS																1					1	
033.1	PARAPERTUSSIS	1																				1	
033.0	PERTUSSIS					1																1	
003.0	SALMONELLA	11			1	1		2				1		2						1		19	
004	SHIGELLOSIS											1										1	
041.2	STREP.PNEUM.OTHER	3																				3	
038.2	STREP.PNEUMOCOCCAL SEPTICEMIA	6										2				1					2	11	
038.0	STREPTOCOCCAL SEPTICEMIA	1											1									2	
013	TUBERCULOSIS - NON-RESP.	1																				1	
011	TUBERCULOSIS - RESP.	4															2					6	
010	TUBERCULOSIS-PRIM.	1																				1	
B96.8	VANCOMYCIN RES. ENTER.	3																				3	
047.8	VIRAL MENINGITIS-ENTERO	1						1						1			1					4	
008.44	YERSINIA ENTEROCOLITICA	1																				1	
		181	5	1	7		15		14	19		35	1	11	18	9	26	9		4	4	359	
Missing Investigation Forms (Jan.1 to end of May)		69	3	1			15	2	3	1	2		7				1	1				105	

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

STD Infection Summary Report - June 2005

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2004	2005	2004	2005
All Chlamydia Infections	327	362	2129	2037
All Gonorrhoea Infections (including PRNG)	96	86	533	473
All Syphilis Infections	2	7	30	44
Gonorrhoea & Chlamydia Co-infections	43	43	224	228
Penicillin Resistant Gonorrhoea Infections (PRNG)				
Suspect PRNG				
HIV	14	14	60	60

Total Number of STD Cases by Age and Gender - June 2005

Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 +		Missing age/gender	Total	
	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M					
Chlamydia Only Cases							7		81	16	74	44	17	24	20	24	4	6				2		319	
Gonorrhoea Only Cases									2	4	4	8	3	5	5	5		6				1		43	
Syphilis Only Cases													1		1	1		1				3		7	
GC and CT Cases							2		8	8	10	5	1	4	2			2				1		43	
							9		91	28	88	57	22	33	28	30	4	15				7		412	
HIV							1		1		1	1			2	2	1	1	2		1		1		14

Regional STD Distribution - June 2005

Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
			F	P	F	P	F	P	F	P	F	P	F	P	F	P						
All Chlamydia Infections	187	16	5	13		11	1	8		16		8		15	1	15	45	18	1	2		362
All Gonorrhoea Infections	49		2	1						2		1		3		2	18	8				86
All Syphilis Infections	7																					7
GC and CT Infections	17		1							2		1		3		2	11	6				43

Missing Investigation Forms
(Jan. 1 to end of May)

54	36	5	5		2		3	1	2		18		2		13	25	2		2		170
----	----	---	---	--	---	--	---	---	---	--	----	--	---	--	----	----	---	--	---	--	-----

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