



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 2005**. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of July 2005.

Communicable Diseases

In total, there were **369** new infections occurring across 23 communicable diseases** (excluding sexually transmitted infections and HIV) in July 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; 147 cases observed; expected range = 0-84 cases) and Mumps (2 cases observed; expected range = 0-1 cases). The expected number of cases and accompanying range is based on the number of cases during June, July, and August 2000-2004.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **312** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in July: 226 cases of chlamydia (Ct), 56 cases of gonorrhoea (Gc), 22 Gc-Ct co-infections, and 6 cases of syphilis. Almost half (47.9%) of all Gc and Ct cases in the province were reported among female youth aged 15-24 years. More than half (53.8%) of all Gc and Ct cases were reported for individuals living in the Winnipeg health region, and an additional 20.7% were from the Burntwood health region.

In July **22** individuals tested positive for hepatitis C (HCV), most (68.2%) of whom were reported from the Winnipeg health region. Cases tend to cluster in the 30+ years age groups, with an equal distribution between males and females. Additionally, 13 individuals tested positive for HIV in July.

*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 July 2005

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2004	2005	Expected*	Ex. Range**	2004	2005
006.9	AMEBIASIS	4	1	2	0-5	10	21
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS	1		1	0-2	2	
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		1
320.1	BAC. MENINGITIS - PNEUM	1		0	0-1	4	2
320.3	BAC. MENINGITIS - STAPH			0	0-1	1	
320.2	BAC. MENINGITIS - STREP			0	0-1	1	
320.7	BAC.MENINGITIS-LISTERIA				***		
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS	1		1	0-3	5	1
008.43	CAMPYLOBACTER	36	28	26	12-40	141	148
558.2	CLOSTRIDIUM DIFFICILE	4	97		***	4	361
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2		8	0-28	15	9
065.4	DENGUE FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES	1		0	0-1	1	
123.4	DIPHYLLOBOTHRIUM SPP	1	1	1	0-3	3	2
008.0	E. COLI-VEROTOXIGENIC	6	6	12	0-24	30	24
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-2		
007.1	GIARDIA LAMBLIA	9	16	17	6-28	74	52
041.5	H.I.B.-NON MTGS		1	0	0-1	3	2
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	4	2	1	0-4	14	15
070.3	HEPATITIS B		1	1	0-2	2	2
070.51	HEPATITIS C	32	22	42	15-69	264	252
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	0-0	3	
027.0	LISTERIA MONOCYTOGENES			1	0-5	1	3
088.81	LYME DISEASE			0	0-1		
084	MALARIA	2	2	1	0-3	6	5
055.9	MEASLES			0	0-0	1	
036.0	MENINGOCOCCAL CSF			0	0-2		2
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		2
B95.6	MRSA/VRSA	77	147	41	0-84	431	640
072.9	MUMPS		2	0	0-1	1	4
036.89	N.MENINGITIDIS OTHER			0	0-1	6	2
728.86	NECROTIZING FASCIITIS			0	0-1	2	4
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		1
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	6	2	6	0-12	44	20
038.2	PNEUM. SEPTICEMIA	3	4	5	0-10	25	54
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	
		2004	2005	Expected*	Ex. Range**	2004	2005
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER	2		0	0-1	3	
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER	1		0	0-2	13	13
003.0	SALMONELLA	21	11	17	8-26	94	83
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS		1	2	0-5	8	8
005.0	STAPHYLOCOCCAL			0	0-1		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			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	3
127.2	STRONGYLOIDES			0	0-1		2
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSES			2	0-7		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	1	3	2	0-6	10	13
011	TUBERCULOSIS - RESP.	11	7	6	0-13	55	49
010	TUBERCULOSIS-PRIM.	1	1	2	0-6	14	4
021.9	TULAREMIA			0	0-1		1
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	16			***	106	25
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK	4		2	0-6	5	
047.1	VIRAL MENINGITIS-ECHO	10	1	4	0-11	16	3
047.8	VIRAL MENINGITIS-ENTERO	1	10		***	5	12
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			1	0-3	1	
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.3	WEST NILE VIRUS			0	0-0		
008.44	YERSINIA ENTEROCOLITICA	2	2	1	0-2	8	5
		260	369			1439	1854

* 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 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
008.43	CAMPYLOBACTER				1		2			1	3	1				2	2	5	3	3	2	3			28
558.2	CLOSTRIDIUM DIFFICILE	1		1	1	1						3		2	1	5		6	3	8	4	34	27		97
123.4	DIPHYLLOBOTHRIUM														1										1
008.0	E. COLI 0157			1	2				1												1	1			6
007.1	GIARDIA LAMBLIA		1	1	3		2		1	1		1	1			2		1				1	1		16
041.5	HAEM.INFLUENZA B (not csf									1															1
070.1	HEPATITIS A																	1	1						2
070.3	HEPATITIS B																					1			1
070.51	HEPATITIS C								1			1	1	2	3		3	3	1	1	2	2		2	22
084	MALARIA				1								1												2
B95.6	MRSA/VRSA	2	3	1	6	6	7	4	7	5	6	4	4	5	5	5	2	4	5	7	6	25	27	1	147
072.9	MUMPS		1													1									2
033.0	PERTUSSIS	1							1																2
003.0	SALMONELLA				1					1	2				2	1	3						1		11
004	SHIGELLOSIS							1																	1
481	STREP. PNEUMONIAE PNEUMON																						1		1
038.2	STREP.PNEUMOCOCCAL SEPTIC				1													1				1	1		4
038.0	STREPTOCOCCAL SEPTICEMIA																						1		1
013	TUBERCULOSIS - NON-RESP.			1						1				1											3
011	TUBERCULOSIS - RESP.									1	2										2		2		7
010	TUBERCULOSIS-PRIM.							1																	1
047.1	VIRAL MENINGITIS-ECHO	1																							1
047.8	VIRAL MENINGITIS-ENTERO	2	3	1			2	1	1																10
008.44	YERSINIA ENTEROCOLITICA														1								1		2
		7	8	6	16	7	13	6	12	11	14	9	7	8	10	19	6	19	18	20	16	67	68		370

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR July 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						
006.9	AMEBIASIS	1																					1
008.43	CAMPYLOBACTER	11				3		2		2		5		2				2	1				28
558.2	CLOSTRIDIUM DIFFICILE	54	5		4	6		3		8		10	1	2				1	1		1	1	97
123.4	DIPHYLLOBOTHRIUM	1																					1
008.0	E. COLI 0157	2			1			1		2													6
007.1	GIARDIA LAMBLIA	7						1		4		3					1						16
041.5	HAEM.INFLUENZA B (not csf	1																					1
070.1	HEPATITIS A							1				1											2
070.3	HEPATITIS B	1																					1
070.51	HEPATITIS C	15						2		2								2			1		22
084	MALARIA	2																					2
B95.6	MRSA/VRSA	55	2					2	2	2		6	1	7	16	12	32	9				1	147
072.9	MUMPS	1	1																				2
033.0	PERTUSSIS	1				1																	2
003.0	SALMONELLA	7				1		2				1											11
004	SHIGELLOSIS	1																					1
481	STREP. PNEUMONIAE PNEU				1																		1
038.2	STREP.PNEUMOCOCCAL SE		2			1						1											4
038.0	STREPTOCOCCAL SEPTICEM	1																					1
013	TUBERCULOSIS - NON-RESP.	1															2						3
011	TUBERCULOSIS - RESP.	3															4						7
010	TUBERCULOSIS-PRIM.	1																					1
047.1	VIRAL MENINGITIS-ECHO	1																					1
047.8	VIRAL MENINGITIS-ENTERO	7	1									1					1						10
008.44	YERSINIA ENTEROCOLITICA	1								1													2
		175	11		6		12		14	2	21		28	2	11	16	12	43	13		2	2	370
Missing Investigation Forms (Jan.1 to end of June)		81	3	1	1		7	2	6	1	3		21					2	1		2		131

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

STD Infection Summary Report - July 2005

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2004	2005	2004	2005
All Chlamydia Infections	326	250	2455	2288
All Gonorrhoea Infections (including PRNG)	86	78	619	550
All Syphilis Infections	4	6	34	50
Gonorrhoea & Chlamydia Co-infections	31	22	255	249
Penicillin Resistant Gonorrhoea Infections (PRNG)				
Suspect PRNG				
HIV	7	13	67	72

Total Number of STD Cases by Age and Gender - July 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							9		58	14	52	26	16	19	15	16		3						228
Gonorrhoea Only Cases							1		7	2	9	3	5	4	6	9		5	1	3		1		56
Syphilis Only Cases											1			1		3						1		6
GC and CT Cases							1	1	10	1	2	2	2	1		1		1						22
							11	1	75	17	64	31	23	25	21	29		9	1	3	1	1		312
HIV						1						1			2	4			2	1	1		1	13

Regional STD Distribution - July 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	126	14	6	3		1		7	1	13		6	1	8	3	13	32	13	1	1	1	250
All Gonorrhoea Infections	40	1	5	1				1		5		1	1	2			16	5				78
All Syphilis Infections	5					1																6
GC and CT Infections	10		1					1		3				1			4	2				22

Missing Investigation Forms (Jan. 1 to end of June)	80	37	3	8		4		4	1	3		20		2		7	29	3				201
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* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction