



Health

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Dear Colleague,

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

Communicable Diseases

In total, there were **427** new infections occurring across 24 communicable diseases** (excluding sexually transmitted infections and HIV) in August 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; 124 cases observed; expected range = 0-88 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 July, August, and September 2000-2004.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **379** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in August: 271 cases of chlamydia (Ct), 59 cases of gonorrhoea (Gc), 45 Gc-Ct co-infections, and 4 cases of syphilis. More than two-thirds of all Gc and Ct cases in the province were reported among youth aged 15-24 years. About half (52.3%) of all Gc and Ct cases were reported for individuals living in the Winnipeg health region, and an additional 19.2% were from the Burntwood health region.

In August **29** individuals tested positive for hepatitis C (HCV), most (65.5%) 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, 7 individuals tested positive for HIV in August.

*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 August 2005

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2004	2005	Expected*	Ex. Range**	2004	2005
006.9	AMEBIASIS	1	3	2	0-5	11	22
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS	1		0	0-1	3	
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-0		1
320.1	BAC. MENINGITIS - PNEUM			0	0-1	4	2
320.3	BAC. MENINGITIS - STAPH			0	0-0	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	2		1	0-6	7	1
008.43	CAMPYLOBACTER	29	35	27	18-36	170	185
558.2	CLOSTRIDIUM DIFFICILE		119		***	4	480
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	3	4	11	0-32	18	14
065.4	DENGUE FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-1	1	
123.4	DIPHYLLOBOTHRIUM SPP	3		1	0-3	6	2
008.0	E. COLI-VEROTOXIGENIC	14	7	11	0-23	44	30
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			1	0-3		
007.1	GIARDIA LAMBLIA	16	15	18	6-30	90	69
041.5	H.I.B.-NON MTGS			0	0-1	3	2
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	2		1	0-3	16	15
070.3	HEPATITIS B			1	0-3	2	2
070.51	HEPATITIS C	31	30	42	21-63	295	283
054.8	HERPES-W-UNSPEC COMPL			0	0-1		
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-0	2	2
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0	3	
027.0	LISTERIA MONOCYTOGENES		1	0	0-1	1	4
088.81	LYME DISEASE	1		0	0-1	1	
084	MALARIA	2		1	0-3	8	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	0-0		2
B95.6	MRSA/VRSA	87	124	44	0-88	518	764
072.9	MUMPS	1	2	0	0-1	2	6
036.89	N.MENINGITIDIS OTHER	1		0	0-1	7	2
728.86	NECROTIZING FASCIITIS		1	0	0-1	2	5
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		1
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	4	2	6	0-13	48	23
038.2	PNEUM. SEPTICEMIA	5	3	5	0-10	30	57
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	1		0	0-1	4	
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER			0	0-2	13	13
003.0	SALMONELLA	14	18	17	8-26	108	102
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS			1	0-3	8	8
005.0	STAPHYLOCOCCAL			0	0-1		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-0	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			0	0-1	4	3
127.2	STRONGYLOIDES			0	0-1		2
037	TETANUS			0	0-1		
130.9	TOXOPLASMOSIS			2	0-7		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.		1	3	0-9	10	14
011	TUBERCULOSIS - RESP.	3	5	5	0-13	58	54
010	TUBERCULOSIS-PRIM.	2	1	1	0-4	16	5
021.9	TULAREMIA	1		0	0-1	1	1
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	5	4		***	111	29
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK	3		2	0-6	8	
047.1	VIRAL MENINGITIS-ECHO	7	11	5	0-12	23	17
047.8	VIRAL MENINGITIS-ENTERO	2	4		***	7	13
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1	1	
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.3	WEST NILE VIRUS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION		3		***		3
198	WNV NEUROLOGICAL SYNDROME		8		***		10
197	WNV NON-NEUROLOGICAL SYND		25		***		37
008.44	YERSINIA ENTEROCOLITICA	1	1	1	0-2	9	7
		242	427			1681	2301

* 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 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													2					1						3
008.43	CAMPYLOBACTER			3	2	2	3		1		3	1	2	1	4	1	1	1	1	2	4	3			35
558.2	CLOSTRIDIUM DIFFICILE									1		1	2	2	2		2	3		12	5	42	47		119
007.8	CRYPTOSPORIDIOSIS			2	1									1											4
008.0	E.COLI 0157				1		1						2			1		1				1			7
007.1	GIARDIA LAMBLIA			1	1		1	1		2	1		2		1	1		1		1	1	1			15
070.51	HEPATITIS C											3				1	3	5	7	4	5	1			29
027.0	LISTERIA MONOCYTOGENES																					1			1
B95.6	MRSA/VRSA	2	2	3	3	3	6	6	5	9	2	7	3	6	6	7	3	4	7	2	7	19	11	1	124
072.9	MUMPS														1		1								2
728.86	NECROTIZING FASCIITIS												1												1
033.0	PERTUSSIS		1						1																2
003.0	SALMONELLA			2	2	1	3	1			1	2			1			2	2			1			18
038.2	STREP.PNEUMOCOCCAL SEPTIC									1											1	1			3
013	TUBERCULOSIS - NON-RESP.																					1			1
011	TUBERCULOSIS - RESP.														1	2	1					1			5
010	TUBERCULOSIS-PRIM.				1																				1
B96.8	VANCOMYCIN RES. ENTER.					1															1	1		1	4
047.1	VIRAL MENINGITIS-ECHO	2	4					1		1			1		1	1									11
047.8	VIRAL MENINGITIS-ENTERO		1										1				1						1		4
196	WNV Asymptomatic Infectio																	1			1		1		3
197	WNV Fever					1	1			1	1			1		5	3	7	4	3	4	4	3		38
198	WNV Neurological Syndrome								1							1			1	1	2	1	3		10
008.44	YERSINIA ENTEROCOLITICA															1									1
		4	8	11	11	8	15	9	8	14	9	15	13	11	19	21	15	25	23	26	31	78	66		441

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR August 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	3																					3
008.43	CAMPYLOBACTER	14	2			4		3		2		3		1	2		4						35
558.2	CLOSTRIDIUM DIFFICILE	62	5		3	4	1	8		9		14	1	7		1	1	1		1		1	119
007.8	CRYPTOSPORIDIOSIS	2								2													4
008.0	E.COLI 0157	3			1	1				1								1					7
007.1	GIARDIA LAMBLIA	9	1					2		2				1									15
070.51	HEPATITIS C	19	1	1	2			2		2		1									1		29
027.0	LISTERIA MONOCYTOGENES	1																					1
B95.6	MRSA/VRSA	33	2		1	1		1	1	2	1	4	2	4	19	15	28	6				4	124
072.9	MUMPS	1										1											2
728.86	NECROTIZING FASCIITIS																	1					1
033.0	PERTUSSIS	1														1							2
003.0	SALMONELLA	11				1		3				3											18
038.2	STREP.PNEUMOCOCCAL SE	1				1										1							3
013	TUBERCULOSIS - NON-RESP.	1																					1
011	TUBERCULOSIS - RESP.	3														1	1						5
010	TUBERCULOSIS-PRIM.							1															1
B96.8	VANCOMYCIN RES. ENTER.	3										1											4
047.1	VIRAL MENINGITIS-ECHO	4				1		1		2							2	1					11
047.8	VIRAL MENINGITIS-ENTERO	4																					4
196	WNV Asymptomatic Infectio	1				1				1													3
197	WNV Fever	9	2		2	2		2		9		12											38
198	WNV Neurological Syndrome	4	1					1		1		3											10
008.44	YERSINIA ENTEROCOLITICA	1																					1
		190	14	1	9	16	3	22	1	33	1	42	3	13	21	19	36	10	1	1	5	441	
Missing Investigation Forms (Jan.1 to end of July)		81	6			13	1	3	1	1		32					3	1			2		144

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

STD Infection Summary Report - August 2005

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2004	2005	2004	2005
All Chlamydia Infections	335	316	2790	2606
All Gonorrhoea Infections (including PRNG)	110	104	729	655
All Syphilis Infections	4	4	38	53
Gonorrhoea & Chlamydia Co-infections	44	45	299	294
Penicillin Resistant Gonorrhoea Infections (PRNG)				
Suspect PRNG				
HIV	4	7	71	79

Total Number of STD Cases by Age and Gender - August 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	F	M		
Chlamydia Only Cases							2	1	66	18	66	47	14	21	12	16	3	3	2					271
Gonorrhoea Only Cases								1	7	5	8	5	4	7	4	8	1	6		2		1		59
Syphilis Only Cases															2			1			1			4
GC and CT Cases							3		11	9	8	5		2	2	3		1		1				45
							5	2	84	32	82	57	18	30	20	27	4	11	2	3	1	1		379
HIV												1		1			1	2		2				7

Regional STD Distribution - August 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	163	16	10	9		5	1	4		16		11	1	3	3	16	48	10				316
All Gonorrhoea Infections	53		6				1	3		5			1	3	1	4	22	4		1		104
All Syphilis Infections	4																					4
GC and CT Infections	20		1				1	1		3			1	2	1	3	10	2				45

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

78	8	2	4		4		3	1	2		6	2	2		10	30	4		1		157
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* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction