



Health

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Dear Colleague,

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

Communicable Diseases

In total, there were 430 new infections occurring across 24 communicable diseases** (excluding sexually transmitted infections and HIV) in September 2005. The observed number of cases were within the expected range for most of the reported communicable diseases with the exception of Lyme Disease (3 cases observed; expected range = 0-1 cases), Methicillin resistant staphylococcus aureus (MRSA; 151 cases observed; expected range = 0-91 cases), Mumps (2 cases observed; expected range = 0-1 cases), and Yersinia Enterocolitica (5 cases observed; expected range = 0-1 cases). The expected number of cases and accompanying range is based on the number of cases during August, September, and October 2000-2004.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were 415 cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in September: 293 cases of chlamydia (Ct), 69 cases of gonorrhoea (Gc), 42 Gc-Ct co-infections, and 11 cases of syphilis. About 60% of all Gc and Ct cases in the province were reported among youth aged 15-24 years. About half (53.5%) of all Gc and Ct cases were reported for individuals living in the Winnipeg health region, and an additional 21.5% were from the Burntwood health region.

In September 29 individuals tested positive for hepatitis C (HCV), most (55.2%) of whom were reported from the Winnipeg health region. More than two-thirds (69%) of cases were reported among males, mostly in the 40-49 year age groups. Additionally, 13 individuals tested positive for HIV in September.

*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 September 2005

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2004	2005	Expected*	Ex. Range**	2004	2005
006.9	AMEBIASIS	3	3	2	0-5	14	26
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS		1	0	0-1	3	1
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		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	2	0-7	7	3
008.43	CAMPYLOBACTER	27	27	25	14-36	197	215
558.2	CLOSTRIDIUM DIFFICILE		130		***	4	610
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	3	1	10	0-31	21	17
065.4	DENGUE FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHThERIA CASES			0	0-0	1	
123.4	DIPHYLLOBOTHRIUM SPP			0	0-2	6	2
008.0	E. COLI-VEROTOXIGENIC	10	2	9	0-24	54	33
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-2		
007.1	GIARDIA LAMBLIA	21	14	17	4-30	111	86
041.5	H.I.B.-NON MTGS	1		0	0-1	4	2
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	2	2	1	0-3	18	17
070.3	HEPATITIS B	2		1	0-2	4	3
070.51	HEPATITIS C	38	29	42	23-61	333	313
054.8	HERPES-W-UNSPEC COMPL			0	0-0		
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			0	0-1	1	4
088.81	LYME DISEASE		3	0	0-1	1	4
084	MALARIA	1	3	1	0-3	9	8
055.9	MEASLES			0	0-0	1	
036.0	MENINGOCOCCAL CSF			0	0-1		2
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		2
B95.6	MRSA/VRSA	73	151	45	0-91	591	915
072.9	MUMPS		2	0	0-1	2	8
036.89	N.MENINGITIDIS OTHER			0	0-1	7	2
728.86	NECROTIZING FASCIITIS	1		1	0-2	3	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	3		7	0-15	51	24
038.2	PNEUM. SEPTICEMIA	4	4	6	0-13	34	61
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			0	0-1	4	
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER		1	1	0-3	13	14
003.0	SALMONELLA	11	11	17	7-27	119	112
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	1	1	1	0-4	9	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		3
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.	11	6	3	0-8	21	20
011	TUBERCULOSIS - RESP.	15	7	6	0-14	73	61
010	TUBERCULOSIS-PRIM.	1	3	1	0-3	17	8
021.9	TULAREMIA			0	0-1	1	1
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	16	7		***	127	36
005.4	VIBRIO PARAHAEEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			2	0-6	8	1
047.1	VIRAL MENINGITIS-ECHO	4	5	3	0-8	27	22
047.8	VIRAL MENINGITIS-ENTERO	4	7		***	11	19
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
198	WNV NEUROLOGICAL SYNDROME		1		***		11
197	WNV NON-NEUROLOGICAL SYND		2		***		40
008.44	YERSINIA ENTEROCOLITICA		5	0	0-1	9	12
		252	430			1933	2745

* 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 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	1							3
005.8	B. CEREUS																					1			1
005.2	C. PERFRINGENS																2								2
008.43	CAMPYLOBACTER				2	1	1		1		2		1	1		1	1	3	3	4	3		3		27
558.2	CLOSTRIDIUM DIFFICILE			1		1			1	3	1	1	1	2	1	7		6	5	9	3	49	39		130
007.8	CRYPTOSPORIDIOSIS			1																					1
008.0	E. COLI 0157				1															1					2
007.1	GIARDIA LAMBLIA						2				3		1			1		1	5			1			14
070.1	HEPATITIS A																	1	1						2
070.51	HEPATITIS C									1	3	1	2	2	1	2	1	9	1	3	1	2			29
088.81	LYME DISEASE			1													1					1			3
084	MALARIA					1				1										1					3
B95.6	MRSA/VRSA	1		7	9	4	4	6	5	6	3			3	2	4	7	8	9	3	2	31	37		151
072.9	MUMPS													1						1					2
003.0	SALMONELLA		1	1			2			1						2	2		1		1				11
004	SHIGELLOSIS						1																		1
041.2	STREP.PNEUM.OTHER													1											1
038.2	STREP.PNEUMOCOCCAL SEPTIC		1									1		1							1				4
038.0	STREPTOCOCCAL SEPTICEMIA				1																				1
013	TUBERCULOSIS - NON-RESP.											1						1	2			1	1		6
011	TUBERCULOSIS - RESP.							1		1		1				2					1		1		7
010	TUBERCULOSIS-PRIM.			1		1	1																		3
B96.8	VANCOMYCIN RES. ENTER.															1		1			1	3	1		7
047.1	VIRAL MENINGITIS-ECHO	1	1			1	1					1													5
047.8	VIRAL MENINGITIS-ENTERO	2			2			1								1	1								7
196	WNV Asymptomatic Infectio																	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 +		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		
197	WNV Fever					1	1			1	1			1		5	4	8	3	3	4	5	3		40
198	WNV Neurological Syndrome								1							1			1	1	3	1	3		11
008.44	YERSINIA ENTEROCOLITICA															1	1					3			5
		4	3	12	15	10	13	8	8	11	13	7	5	10	7	26	20	33	41	24	24	97	91		482

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

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
005.8	B. CEREUS									1													1
005.2	C. PERFRINGENS			1			1																2
008.43	CAMPYLOBACTER	8	5		3		2		2		1		4		1				1				27
558.2	CLOSTRIDIUM DIFFICILE	62	19	1	2		4		8		6	1	11	1	6		1	3	3			2	130
007.8	CRYPTOSPORIDIOSIS	1																					1
008.0	E. COLI 0157				1		1																2
007.1	GIARDIA LAMBLIA	10					2								2								14
070.1	HEPATITIS A	1										1											2
070.51	HEPATITIS C	16	1		2		1	4			2	1				1					1		29
088.81	LYME DISEASE	3																					3
084	MALARIA	3																					3
B95.6	MRSA/VRSA	49	3	1	3		1	2	6		2		4	1	16	18	9	27	6			3	151
072.9	MUMPS	2																					2
003.0	SALMONELLA	3							1		3		1						3				11
004	SHIGELLOSIS	1																					1
041.2	STREP.PNEUM.OTHER														1								1
038.2	STREP.PNEUMOCOCCAL SEPTICEMIA	3																	1				4
038.0	STREPTOCOCCAL SEPTICEMIA				1																		1
013	TUBERCULOSIS - NON-RESP.	6																					6
011	TUBERCULOSIS - RESP.	3							1	1								2					7
010	TUBERCULOSIS-PRIM.	1																2					3
B96.8	VANCOMYCIN RES. ENTER.	5		1				1															7
047.1	VIRAL MENINGITIS-ECHO										1				1			2	1				5
047.8	VIRAL MENINGITIS-ENTERO	3			1						1							1	1				7
196	WNV Asymptomatic Infectio	1					1				1												3
197	WNV Fever	9	3		1		2		3		10		12										40
198	WNV Neurological Syndrome	5	1						1		1		3										11
008.44	YERSINIA ENTEROCOLITICA	4																	1				5

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

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ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*				F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P				
		201	32	4	14		16	7	22	1	29	2	36	2	27	18	11	37	17		1	5	482
Missing Investigation Forms (Jan.1 to end of August)		107	2				10	1	5	1	4		16					4	1		2		153

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

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STD Infection Summary Report - September 2005

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2004	2005	2004	2005
All Chlamydia Infections	388	335	3178	2940
All Gonorrhea Infections (including PRNG)	99	111	827	766
All Syphilis Infections	11	11	49	63
Gonorrhea & Chlamydia Co-infections	35	42	334	336
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	8	13	79	92

Total Number of STD Cases by Age and Gender - September 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							7		79	19	61	32	28	23	14	18	2	7	1	2				293
Gonorrhea Only Cases					1		1		5	2	10	7	5	7	8	9	2	6		5		1		69
Syphilis Only Cases													1	2		2	1	3		1	1			11
GC and CT Cases							2		12	5	4	7	4	1	1	3		2		1				42
					1		10		96	26	75	46	38	33	23	32	5	18	1	9	1	1		415
HIV											1	1	1	1	1	2	1	3		1	1			13

Regional STD Distribution - September 2005

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	169	19	5	6			2	13		12		4	1	10	2	12	52	24		3	1	335
All Gonorrhea Infections	65	2	1	2		2	1	3		5				2		6	15	7				111
All Syphilis Infections	10																			1		11
GC and CT Infections	18	1		1				2		2				2		5	9	2				42

Missing Investigation Forms (Jan.1 to end of August)	78	16	9	5		3		4		3		9	3	1		5	22	2		1		161
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* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction