



Health

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Dear Colleague,

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

Communicable Diseases

In total, there were **352** new infections occurring across 24 communicable diseases** (excluding sexually transmitted infections and HIV) in November 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; 138 cases observed; expected range = 0-93 cases) and Mumps (1 cases observed; 0 cases expected). The expected number of cases and accompanying range is based on the number of cases during October, November, and December 2000-2004.

In November, Clostridium difficile accounted for about 30% of all non-STI/HIV related communicable diseases reportable to Manitoba Health; MRSA accounted for an additional 39.2%. For the month of November, both MRSA and C. difficile tended to be concentrated in the 60+ age group (accounting for 40% to 60% of all cases, respectively).

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **395** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in November: 260 cases of chlamydia (Ct), 89 cases of gonorrhoea (GC), 42 Gc-Ct co-infections, and 4 cases of syphilis. About 60% of all GC and Ct cases in the province were reported among youth aged 15-24 years. More than half of all GC and Ct cases were reported for individuals living in the Winnipeg health region (53.7%), and an additional 18.7% were from the Burntwood health region.

In November **38** individuals tested positive for hepatitis C (HCV), 60% of whom were reported from the Winnipeg health region. Cases were evenly distributed between males and females, with most of the cases in the 30-49 year age groups. Additionally, 10 individuals tested positive for HIV in November, 2005.

*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 November 2005

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2004	2005	Expected*	Ex. Range**	2004	2005
006.9	AMEBIASIS	2	3	2	0-5	18	30
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-2		
005.8	B. CEREUS		1	0	0-1	3	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			0	0-1	5	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		10	0-71	9	3
008.43	CAMPYLOBACTER	17	16	16	1-31	228	257
558.2	CLOSTRIDIUM DIFFICILE		102		***	4	841
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	3	2	0-5	22	20
065.4	DENGUE FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-1		
032	DIPHTHERIA CASES			0	0-0	1	
123.4	DIPHYLLOBOTHRIUM SPP	1		0	0-1	7	2
008.0	E. COLI-VEROTOXIGENIC	2		2	0-6	59	35
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	17	11	11	3-19	140	103
041.5	H.I.B.-NON MTGS			0	0-1	5	3
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		1
070.1	HEPATITIS A	1	1	1	0-4	19	19
070.3	HEPATITIS B			0	0-1	4	3
070.51	HEPATITIS C	38	38	43	21-65	403	388
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		1	0	0-0	1	5
088.81	LYME DISEASE			0	0-0	1	5
084	MALARIA			1	0-3	9	10
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	93	138	40	0-93	767	1169
072.9	MUMPS		1	0	0-0	2	9
036.89	N.MENINGITIDIS OTHER			0	0-1	8	2
728.86	NECROTIZING FASCIITIS		1	1	0-3	5	6
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		1
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	12	2	6	0-15	71	28
038.2	PNEUM. SEPTICEMIA	5	5	8	2-14	42	72
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	0-0		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1	5	
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER	1	1	1	0-3	17	15
003.0	SALMONELLA	17	10	12	2-22	148	138
120	SCHISTOSOMIASIS			0	0-1		
004	SHIGELLOSIS	3	1	1	0-4	16	11
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR	1		0	0-1	2	
711.0	STREP.PNEUM.ARTHRITIS			0	0-1		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			1	0-2		2
481	STREPTOCOCCUS PNEUMONIAE	1		0	0-1	5	3
127.2	STRONGYLOIDES			0	0-1	1	4
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			2	0-7		
124	TRICHINOSIS			0	0-1		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	2	1	2	1-3	26	22
011	TUBERCULOSIS - RESP.	4	5	7	1-13	83	74
010	TUBERCULOSIS-PRIM.	3	1	1	0-3	20	9
021.9	TULAREMIA		1	0	0-1	1	2
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	7	6		***	151	47
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1	8	1
047.1	VIRAL MENINGITIS-ECHO	1	2	1	0-4	32	33
047.8	VIRAL MENINGITIS-ENTERO		1		***	11	17
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		
196	WNV ASYMPTOMATIC INFECTION				***		3
198	WNV NEUROLOGICAL SYNDROME				***		11
197	WNV NON-NEUROLOGICAL SYND				***		42
066.3	WNV UNCLASSIFIED				***	3	2
008.44	YERSINIA ENTEROCOLITICA	1		0	0-1	11	15
		232	352			2382	3474

* 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 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
008.43	CAMPYLOBACTER	1		2	2	1	2		1			1						1			1		4		16
558.2	CLOSTRIDIUM DIFFICILE	1	1				1					3	2	3	2	7	4	2	4	4	4	38	26		102
007.8	CRYPTOSPORIDIOSIS				1									1		1									3
007.1	GIARDIA LAMBLIA				1	1			1						1	2	2					2	1		11
070.1	HEPATITIS A																			1					1
070.51	HEPATITIS C													2	1	5	7	6	8	2	3	3	1		38
027.0	LISTERIA MONOCYTOGENES																					1			1
B95.6	MRSA/VRSA	1		1	6	3	3	3	4	4	4	3	7	2	1	5	9	6	5	6	5	32	28		138
072.9	MUMPS					1																			1
728.86	NECROTIZING FASCIITIS																					1			1
033.0	PERTUSSIS	1							1																2
003.0	SALMONELLA									1	1			1		1		2	2			1	1		10
004	SHIGELLOSIS																					1			1
041.2	STREP.PNEUM.OTHER																	1							1
038.2	STREP.PNEUMOCOCCAL SEPTIC							1								1	1	1				1			5
013	TUBERCULOSIS - NON-RESP.															1									1
011	TUBERCULOSIS - RESP.									1		1				1		1		1					5
010	TUBERCULOSIS-PRIM.					1																			1
021.9	TULAREMIA															1									1
B96.8	VANCOMYCIN RES. ENTER.																	1				3	2		6
047.1	VIRAL MENINGITIS-ECHO										1					1									2
047.8	VIRAL MENINGITIS-ENTERO		1																						1
196	WNV Asymptomatic Infectio																	1			1		1		3
197	WNV Fever					1	1			1	1			1		5	4	8	4	4	4	5	3		42

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		
198	WNV Neurological Syndrome								1							1			1	1	3	1	3		11
066.3	WNV Unclassified																	1	1						2
		4	2	3	10	8	8	3	9	5	7	9	10	11	5	30	30	28	26	21	21	87	73		410

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR November 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	3																					3
005.8	B. CEREUS												1										1
008.43	CAMPYLOBACTER	4	1						1		3	1	4		1			1					16
558.2	CLOSTRIDIUM DIFFICILE	55	12	2	2		1	1	4		12	1	6		2		2	2					102
007.8	CRYPTOSPORIDIOSIS	1											2										3
007.1	GIARDIA LAMBLIA	8			1		1						1										11
070.1	HEPATITIS A	1																					1
070.51	HEPATITIS C	23	2		2		3	2	2				1		1						1	1	38
027.0	LISTERIA MONOCYTOGENES										1												1
B95.6	MRSA/VRSA	60	3		1				5		3		2	1	6	7	9	34	7				138
072.9	MUMPS	1																					1
728.86	NECROTIZING FASCIITIS																	1					1
033.0	PERTUSSIS	2																					2
003.0	SALMONELLA	5	2								2		1										10
004	SHIGELLOSIS										1												1
041.2	STREP.PNEUM.OTHER	1																					1
038.2	STREP.PNEUMOCOCCAL SEPTIC	1									1					2		1					5
013	TUBERCULOSIS - NON-RESP.	1																					1
011	TUBERCULOSIS - RESP.	2			1												2						5
010	TUBERCULOSIS-PRIM.	1																					1
021.9	TULAREMIA										1												1
B96.8	VANCOMYCIN RES. ENTER.	4															1	1					6
047.1	VIRAL MENINGITIS-ECHO	1					1																2
047.8	VIRAL MENINGITIS-ENTERO	1																					1
196	WNV Asymptomatic Infectio	1					1				1												3
197	WNV Fever	9	3		2		2		4		10		12										42
198	WNV Neurological Syndrome	5	1						1		1		3										11
066.3	WNV Unclassified	2																					2

* 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				
		192	24	2	9		9	3	17		36	2	33	1	10	7	13	41	9		1	1	410
Missing Investigation Forms (Jan.1 to end of October)		129	7	1			10	3	3	2	4		29		2		1	5	4		3		203

* 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 - November 2005

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2004	2005	2004	2005
All Chlamydia Infections	369	302	3926	3580
All Gonorrhea Infections (including PRNG)	76	131	1009	1032
All Syphilis Infections	5	4	56	80
Gonorrhea & Chlamydia Co-infections	33	42	415	419
Penicillin Resistant Gonorrhea Infections (PRNG)		1		1
Suspect PRNG				
HIV	10	10	96	108

Total Number of STD Cases by Age and Gender - November 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	1						3	1	56	21	50	38	23	26	20	15	1	2	1	2				260
Gonorrhea Only Cases			1				3		8	6	13	9	6	11	1	9	3	11	2	5		1		89
Syphilis Only Cases												1					1	1		1				4
GC and CT Cases									16	4	7	8	3	2		1		1						42
	1		1				6	1	80	31	70	56	32	39	21	25	5	15	3	8		1		395
HIV											1		1		3	4							1	10

Regional STD Distribution - November 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	150	13	7	6		12	3	6		17		8	2	6	6	8	39	19				302
All Gonorrhea Infections	79	1	2	1		1		5		6			1	2	2	1	22	7			1	131
All Syphilis Infections	3															1						4
GC and CT Infections	19	1	1	1				1		2				1	1	1	11	3				42

Missing Investigation Forms (Jan.1 to end of October)	110	33	15	4		3	2	5	2	6		15	3	3	1	5	34	5		1		247
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* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction