



Health

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Dear Colleague,

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

Communicable Diseases

In total, there were **370** new infections occurring across 21 communicable diseases** (excluding sexually transmitted infections and HIV) in October 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; 119 cases observed; expected range = 0-93 cases) and Yersinia Enterocolitica (2 cases observed; expected range = 0-1 cases). The expected number of cases and accompanying range is based on the number of cases during September, October, and November 2000-2004.

Clostridium difficile, since becoming reportable in April, continues to account for about one-third of all non-STI/HIV related communicable diseases reportable to Manitoba Health. MRSA accounts for an additional 32.2% of the reported non-STI/HIV related communicable diseases. Unlike C. difficile which tends to be concentrated in the 60+ age group (accounting for 75% of all cases), MRSA is distributed more evenly across all age groups.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **444** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in October: 297 cases of chlamydia (Ct), 93 cases of gonorrhoea (Gc), 41 Gc-Ct co-infections, and 13 cases of syphilis. About 65% 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, and an additional 20.2% were from the Burntwood health region.

In October **36** individuals tested positive for hepatitis C (HCV), one-third of whom were reported from the Winnipeg health region. Most (61.1%) of the cases were reported among males, mostly in the 30-49 year age groups. Additionally, 6 individuals tested positive for HIV in October, 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 October 2005

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2004	2005	Expected*	Ex. Range**	2004	2005
006.9	AMEBIASIS	2	1	2	0-4	16	27
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			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	1		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			10	0-71	7	3
008.43	CAMPYLOBACTER	14	26	22	8-36	211	241
558.2	CLOSTRIDIUM DIFFICILE		130		***	4	739
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS			5	0-18	21	17
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			0	0-1	6	2
008.0	E. COLI-VEROTOXIGENIC	3	2	5	0-13	57	35
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-2		
007.1	GIARDIA LAMBLIA	12	5	14	4-24	123	93
041.5	H.I.B.-NON MTGS	1	1	0	0-1	5	3
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME		1	0	0-1		1
070.1	HEPATITIS A		1	1	0-4	18	18
070.3	HEPATITIS B			1	0-2	4	3
070.51	HEPATITIS C	33	36	45	22-68	365	350
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	0-0	1	4
088.81	LYME DISEASE			0	0-0	1	4
084	MALARIA		2	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	MENINGOCOCCEMIA BLOOD			0	0-1		2
B95.6	MRSA/VRSA	83	119	42	0-93	674	1033
072.9	MUMPS			0	0-0	2	8
036.89	N.MENINGITIDIS OTHER	1		0	0-1	8	2
728.86	NECROTIZING FASCIITIS	2		1	0-3	5	5
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	8	2	6	0-15	59	26
038.2	PNEUM. SEPTICEMIA	3	6	7	0-14	37	67
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	5	
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER	3		1	0-3	16	14
003.0	SALMONELLA	12	15	14	5-23	131	127
120	SCHISTOSOMIASIS			0	0-1		
004	SHIGELLOSIS	4	1	1	0-4	13	10
005.0	STAPHYLOCOCCAL			0	0-0		
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	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		2
481	STREPTOCOCCUS PNEUMONIAE			0	0-1	4	3
127.2	STRONGYLOIDES	1		0	0-1	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.	3	1	3	0-8	24	21
011	TUBERCULOSIS - RESP.	6	8	7	0-15	79	69
010	TUBERCULOSIS-PRIM.			1	0-3	17	8
021.9	TULAREMIA			0	0-0	1	1
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	17	5		***	144	41
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1	8	1
047.1	VIRAL MENINGITIS-ECHO	4	5	2	0-7	31	30
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				***		41
066.3	WNV UNCLASSIFIED				***	3	3
008.44	YERSINIA ENTEROCOLITICA	1	2	0	0-1	10	14
		215	370			2150	3121

* 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 October 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	1	3	3		2		1		1		1	2	3		1	2			1	3	1		26	
558.2	CLOSTRIDIUM DIFFICILE						2				1	1	1		1		6		3	5	6	6	67	31		130
008.0	E. COLI 0157			1	1																				2	
007.1	GIARDIA LAMBLIA									1	1					1			1	1					5	
041.5	HAEM.INFLUENZA B (not csf																				1				1	
283.11	HEMOLYTIC UREMIC SYNDROME				1																				1	
070.1	HEPATITIS A																					1			1	
070.51	HEPATITIS C												1	5	8	5	2	7	1	5	1			1	36	
084	MALARIA													1							1				2	
B95.6	MRSA/VRSA	3	1	7	5	3	9	4	8	4	6	4	1	1	4	9	8	4	4	5	6	11	12		119	
033.0	PERTUSSIS	1	1																						2	
003.0	SALMONELLA	2		2		1	1		2	1		1		1	2		1						1		15	
004	SHIGELLOSIS																	1							1	
038.2	STREP.PNEUMOCOCCAL SEPTIC				1								1						2			1	1		6	
013	TUBERCULOSIS - NON-RESP.																						1		1	
011	TUBERCULOSIS - RESP.						1					1					2			3	1				8	
B96.8	VANCOMYCIN RES. ENTER.																			1	4				5	
047.1	VIRAL MENINGITIS-ECHO	3	1												1										5	
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	3	4	4	5	3		41	
198	WNV Neurological Syndrome							1							1			1	1	3	1	3			11	
066.3	WNV Unclassified																1	2							3	
008.44	YERSINIA ENTEROCOLITICA																	1	1						2	
		10	4	13	11	5	15	5	12	7	10	8	3	6	14	33	19	24	27	20	32	95	54		428	

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR October 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	1																					1
008.43	CAMPYLOBACTER	6	2				3		1		2		6				1	2	3				26
558.2	CLOSTRIDIUM DIFFICILE	82	12	3	2		2		4		9		10		4		1	1					130
008.0	E. COLI 0157										2												2
007.1	GIARDIA LAMBLIA	3							1		1												5
041.5	HAEM.INFLUENZA B (not csf	1																					1
283.11	HEMOLYTIC UREMIC SYNDR									1													1
070.1	HEPATITIS A	1																					1
070.51	HEPATITIS C	24						4	1		3		3							1			36
084	MALARIA	2																					2
B95.6	MRSA/VRSA	31	5					2	5		3		3		3	10	10	39	7			1	119
033.0	PERTUSSIS	1																	1				2
003.0	SALMONELLA	7	1				1		1		1		1						3				15
004	SHIGELLOSIS																		1				1
038.2	STREP.PNEUMOCOCCAL SE	2					1		2		1												6
013	TUBERCULOSIS - NON-RESP.																	1					1
011	TUBERCULOSIS - RESP.	8																					8
B96.8	VANCOMYCIN RES. ENTER.	3							1		1												5
047.1	VIRAL MENINGITIS-ECHO	3												1				1					5
047.8	VIRAL MENINGITIS-ENTERO	1																					1
196	WNV Asymptomatic Infectio	1					1				1												3
197	WNV Fever	9	3		1		2		4		10		12										41
198	WNV Neurological Syndrome	5	1						1		1		3										11
066.3	WNV Unclassified	2			1																		3
008.44	YERSINIA ENTEROCOLITICA	2																					2
		195	24	3	4		10	6	21	1	35		38	1	7	10	12	44	16			1	428
Missing Investigation Forms (Jan.1 to end of September)		129	5	2			7	2	5	1	3		21		2		1	4	2		3		187

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

STD Infection Summary Report - October 2005

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2004	2005	2004	2005
All Chlamydia Infections	379	338	3557	3278
All Gonorrhea Infections (including PRNG)	106	134	933	901
All Syphilis Infections	2	13	51	76
Gonorrhea & Chlamydia Co-infections	48	41	382	377
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	7	6	86	98

Total Number of STD Cases by Age and Gender - October 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		1					1		62	30	72	36	22	27	18	19		6		1		2		297
Gonorrhea Only Cases							1		9	4	19	10	8	9	5	16	2	6		3		1		93
Syphilis Only Cases									1		2		1		2		5				1	1		13
GC and CT Cases									14	5	10	5		5		2								41
		1					2		85	40	101	53	30	42	23	39	2	17		4	1	4		444
HIV										1	1	1				2		1						6

Regional STD Distribution - October 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	F	P				
All Chlamydia Infections	177	14	7	5		5	4	11		12		9	4	8	3	7	51	17		4		338
All Gonorrhea Infections	77	1	3			1		1		6			1	2	2	3	28	7		2		134
All Syphilis Infections	13																					13
GC and CT Infections	20									2			1	1		1	13	3				41

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

91	30	10	6		3	1	8	2	5		11	2	2		12	25	3		1		212
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* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction