



Health

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Dear Colleague,

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

Communicable Diseases

In total, there were **319** new infections occurring across 23 communicable diseases** (excluding sexually transmitted infections and HIV) in May 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; 83 cases observed; expected range = 0-61 cases). The expected number of cases and accompanying range is based on the number of cases during April, May, and June 2000-2004.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **399** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in May: 316 cases of chlamydia (Ct), 34 cases of gonorrhoea (Gc), 38 Gc-Ct co-infections, and 11 cases of syphilis. Almost half (47.2%) of all Gc and Ct cases in the province were reported among females between the ages of 15 and 24 years. Half of all Gc and Ct cases were reported for individuals living in the Winnipeg health region, and an additional 21.9% were from the Burntwood health region.

In May **48** individuals tested positive for hepatitis C, 68.8% of which were reported from the Winnipeg region. Almost half (47.9%) of new hepatitis C cases reported in May were among males between the ages of 30 and 49 years. Additionally, ten individuals tested positive for HIV in May.

*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 May 2005

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2004	2005	Expected*	Ex. Range**	2004	2005
006.9	AMEBIASIS		4	3	0-7	6	15
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1	1	
320.82	BAC. MENINGITIS - E.COL			0	0-1		
320.0	BAC. MENINGITIS - HAEM			0	0-1		
320.9	BAC. MENINGITIS - OTHER			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			0	0-1	3	2
320.3	BAC. MENINGITIS - STAPH			0	0-1	1	
320.2	BAC. MENINGITIS - STREP			1	0-3		
320.7	BAC.MENINGITIS-LISTERIA				***		
005.1	BOTULISM				***		
023	BRUCellosIS			0	0-0		
005.2	C. PERFRINGENS			1	0-4	3	1
008.43	CAMPYLOBACTER	22	21	19	2-36	77	95
558.2	CLOSTRIDIUM DIFFICILE		104		***		163
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	1	3	0-7	13	6
065.4	DENGUE FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP			1	0-2	2	1
008.0	E. COLI-VEROTOXIGENIC	4	2	4	0-9	15	9
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	10	5	11	3-19	48	22
041.5	H.I.B.-NON MTGS		1	0	0-1	3	1
480.8	HANTA VIRUS			0	0-1		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A		2	2	0-11	6	10
070.3	HEPATITIS B	1	1	1	0-2	2	1
070.51	HEPATITIS C	35	48			209	192
054.8	HERPES-W-UNSPEC COMPL			0	0-0		
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA	1		0	0-1	2	2
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY	1		0	0-1	3	
027.0	LISTERIA MONOCYTOGENES		1	1	0-5	1	2
088.81	LYME DISEASE			0	0-0		
084	MALARIA			1	0-3	3	1
055.9	MEASLES			0	0-1	1	
036.0	MENINGOCOCCAL CSF			0	0-2		2
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1		2
B95.6	MRSA/VRSA	67	83	30	0-61	295	382
072.9	MUMPS			0	0-1	1	1
036.89	N.MENINGITIDIS OTHER	1		0	0-1	4	2
728.86	NECROTIZING FASCIITIS		1	0	0-1	2	3
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	6	2	4	0-8	34	14
038.2	PNEUM. SEPTICEMIA	4	7	6	0-12	19	39
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		

* 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
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		
056.9	RUBELLA			0	0-1		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER		2	0	0-2	9	10
003.0	SALMONELLA	9	12	15	8-22	61	51
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS			1	0-4	8	6
005.0	STAPHYLOCOCCAL			0	0-1		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			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		1	1	0-3	3	2
127.2	STRONGYLOIDES		1	0	0-1		1
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			2	0-6		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	1	4	2	0-4	7	9
011	TUBERCULOSIS - RESP.	11	11	7	1-13	38	36
010	TUBERCULOSIS-PRIM.	8	1	2	0-7	13	2
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	9	4		***	65	22
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1	1	
047.1	VIRAL MENINGITIS-ECHO			1	0-5	3	
047.8	VIRAL MENINGITIS-ENTERO	1			***	2	
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-2	1	
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.3	WEST NILE VIRUS			0	0-0		
008.44	YERSINIA ENTEROCOLITICA	1		1	0-3	6	2
		193	319			971	1111

* 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 May 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	1				4
008.43	CAMPYLOBACTER			1	2	1	3	1			1		2	2	1		3	1	1	1			1		21
558.2	CLOSTRIDIUM DIFFICILE	1								1				1		7	2	3	6	6	7	40	30		104
007.8	CRYPTOSPORIDIOSIS			1																					1
008.0	E.COLI 0157							1														1			2
007.1	GIARDIA LAMBLIA				1			1						1								1			5
041.5	HAEM.INFLUENZA B (not csf															1									1
070.1	HEPATITIS A																	2							2
070.3	HEPATITIS B													1											1
070.51	HEPATITIS C									1		2		3	4	10	3	13	3	7	1	1			48
027.0	LISTERIA MONOCYTOGENES	1																							1
B95.6	MRSA/VRSA		1	3	6	6	6	3	1		1	1	2	4	2	2	5	5	3	1	2	16	13		83
728.86	NECROTIZING FASCIITIS																						1		1
033.0	PERTUSSIS	1		1																					2
003.0	SALMONELLA						1				2	1		2	1						1	1	3		12
481	STREP. PNEUMONIAE PNEUMON																						1		1
041.2	STREP.PNEUM.OTHER																					1	1		2
038.2	STREP.PNEUMOCOCCAL SEPTIC					1						1				1	1	1					2		7
127.2	STRONGYLOIDIASIS												1												1
013	TUBERCULOSIS - NON-RESP.													1					1		1	1			4
011	TUBERCULOSIS - RESP.									2		2				1		1	1	1		1	2		11
010	TUBERCULOSIS-PRIM.					1																			1
B96.8	VANCOMYCIN RES. ENTER.	1																				1	2		4
		4	1	6	9	9	12	4	2	1	7	3	9	12	7	15	23	16	26	13	20	63	57		319

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR May 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	4																					4
008.43	CAMPYLOBACTER	5	1		2		7				1		4				1						21
558.2	CLOSTRIDIUM DIFFICILE	62	3		4		4	2	7	1	8		2		4		1	3	3				104
007.8	CRYPTOSPORIDIOSIS				1																		1
008.0	E.COLI 0157	1					1																2
007.1	GIARDIA LAMBLIA	2							1		1								1				5
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	33	2	1				4	2		1		1	1	2				1				48
027.0	LISTERIA MONOCYTOGENES						1																1
B95.6	MRSA/VRSA	31					2		4		1		1		1	20	7	13	1			2	83
728.86	NECROTIZING FASCIITIS																	1					1
033.0	PERTUSSIS	2																					2
003.0	SALMONELLA	5	1		3		1		1		1												12
481	STREP. PNEUMONIAE PNEU	1																					1
041.2	STREP.PNEUM.OTHER	1											1										2
038.2	STREP.PNEUMOCOCCAL SE	6																1					7
127.2	STRONGYLOIDIASIS	1																					1
013	TUBERCULOSIS - NON-RESP.	3																1					4
011	TUBERCULOSIS - RESP.	3			1												1	6					11
010	TUBERCULOSIS-PRIM.																	1					1
B96.8	VANCOMYCIN RES. ENTER.	3																				1	4
		166	7	2	11		16	6	15	1	13		9	1	7	20	10	26	6			3	319
Missing Investigation Forms (Jan.1 to end of April)		57	3				4		2	2	2		8		1		1						80

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

STD Infection Summary Report - May 2005

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2004	2005	2004	2005
All Chlamydia Infections	331	354	1802	1676
All Gonorrhoea Infections (including PRNG)	69	72	437	386
All Syphilis Infections	6	11	28	37
Gonorrhoea & Chlamydia Co-infections	30	38	181	185
Penicillin Resistant Gonorrhoea Infections (PRNG)				
Suspect PRNG				
HIV	8	10	46	46

Total Number of STD Cases by Age and Gender - May 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							2		69	30	85	38	24	28	26	9	4	1						316
Gonorrhoea Only Cases									7	2	8	3	4	5	2		1	1				1		34
Syphilis Only Cases											1	1			1		1	6		1				11
GC and CT Cases							1		10	4	4	3	4	8	2	2								38
							3		86	36	97	45	33	41	31	11	6	8		1		1		399
HIV											1			2		2		3		1		1		10

Regional STD Distribution - May 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	173	13	4	8		7	2	13		20		7	1	7	1	21	58	19				354
All Gonorrhoea Infections	40		3	1		1		2					1		2	13	9					72
All Syphilis Infections	9			1				1														11
GC and CT Infections	19		2					1					1		1	10	4					38

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

26	28	5	4		3		4	1	1		21		1	1	16	10			2		123
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* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction