



Health

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Dear Colleague,

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

Communicable Diseases

In total, there were **154** new infections occurring across 17 communicable diseases** (excluding sexually transmitted infections and HIV) in February 2005. The observed number of cases was within the expected range for most of the reported communicable diseases with the exception of Methicillin resistant staphylococcus aureus (MRSA; 72 cases observed; expected range = 0-71 cases). The expected number of cases and accompanying range is based on the number of cases during January, February, and March 2000-2004.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **368** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in February: 274 cases of chlamydia (Ct), 39 cases of gonorrhoea (Gc), 44 Gc-Ct co-infections, and 11 cases of syphilis. Almost half (48.2%) of all Gc and Ct cases in the province were reported in females between the ages of 15 and 24 years. Almost half (47.6%) of all Gc and Ct cases were reported for individuals living in the Winnipeg health region, and an additional 20.7% were from the Burntwood health region.

In February **29** individuals tested positive for hepatitis C, 82.8% of which were reported from the Winnipeg region. About 72% of new hepatitis C cases reported in February were reported among individuals between the ages of 30 and 49 years; cases were distributed about equally for males and females. Additionally, nine individuals tested positive for HIV in February.

*Note: Data for the monthly summary is 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 February 2005

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2004	2005	Expected*	Ex. Range**	2004	2005
006.9	AMEBIASIS	1	4	3	0-7	3	5
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-2		
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		
320.1	BAC. MENINGITIS - PNEUM			1	0-4	1	1
320.3	BAC. MENINGITIS - STAPH			0	0-1	1	
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			2	0-8		1
008.43	CAMPYLOBACTER	14	13	14	7-21	24	27
558.2	CLOSTRIDIUM DIFFICILE				***		
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2		2	0-5	4	
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	0-1		1
008.0	E. COLI-VEROTOXIGENIC	2	1	3	0-8	4	5
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	6	4	11	4-18	20	6
041.5	H.I.B.-NON MTGS			0	0-2		
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	1	2	1	0-3	4	3
070.3	HEPATITIS B			1	0-3		
070.51	HEPATITIS C	58	29	46	28-64	98	70
054.8	HERPES-W/UNSPEC COMPL			0	0-0		
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1		1
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY	1		0	0-1	1	
027.0	LISTERIA MONOCYTOGENES			0	0-1	1	
088.81	LYME DISEASE			0	0-0		
084	MALARIA	1		1	0-3	1	
055.9	MEASLES	1		0	0-1	1	
036.0	MENINGOCOCCAL CSF		1	1	0-3		1
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			1	0-3		2
B95.6	MRSA/VRSA	42	72	31	0-71	128	147
072.9	MUMPS			0	0-1	1	
036.89	N.MENINGITIDIS OTHER	1		0	0-1	2	
728.86	NECROTIZING FASCIITIS			0	0-2	1	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	10	3	3	0-8	17	10
038.2	PNEUM. SEPTICEMIA	2	7	6	0-12	6	15
073.9	PSITTACOSIS			0	0-1		
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	REYF'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER	1	1	1	0-3	3	1
003.0	SALMONELLA	7	7	15	6-24	19	19
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	2	1	2	0-5	6	3
005.0	STAPHYLOCOCCAL			0	0-1		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP.PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-1		
580.0	STREPT.GLOMERULONEPHRITIS			0	0-1		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES			0	0-0		
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			2	0-6		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-1		
013	TUBERCULOSIS - NON-RESP.	2	1	1	0-3	2	3
011	TUBERCULOSIS - RESP.	8	3	6	2-10	11	11
010	TUBERCULOSIS-PRIM.			1	0-4		
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	26	4		***	38	10
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK	1		0	0-1	1	
047.1	VIRAL MENINGITIS-ECHO			0	0-1		
047.8	VIRAL MENINGITIS-ENTERO				***		
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC.	1		0	0-1	1	
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.3	WEST NILE VIRUS			0	0-0		
008.44	YERSINIA ENTEROCOLITICA			1	0-2		1
		190	154			399	343

* 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 February 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					1				4
036.0	BAC.MGTS-NMGTS(MGCCL MGTS)																						1		1
008.43	CAMPYLOBACTER									1	2	1	1	1	1			1	2						13
123.4	DIPHYLLOBOTHRIUM																					1			1
008.0	E. COLI 0157																	1							1
007.1	GIARDIA LAMBLIA				1																	1	2		4
070.1	HEPATITIS A									1							1								2
070.51	HEPATITIS C											1	1		8	4	2	7	2	3				1	29
B95.6	MRSA/VRSA	2		4	1	3	3	2	4	6		1		1	4	1	3	4	3	2	2	12	14		72
033.0	PERTUSSIS					1				1													1		3
003.0	SALMONELLA				1	1			1			1		1		1							1		7
004	SHIGELLOSIS													1											1
041.2	STREP.PNEUM.OTHER																	1							1
038.2	STREP.PNEUMOCOCCAL SEPTIC				1				1										1		2	2			7
013	TUBERCULOSIS - NON-RESP.																		1						1
011	TUBERCULOSIS - RESP.													1				1						1	3
B96.8	VANCOMYCIN RES. ENTER.																					1	2	1	4
		2		4	4	6	3	2	6	8	1	4	3	6	5	11	9	9	15	4	14	19	18		154

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR February 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	F	P				
006.9	AMEBIASIS	2																2					4
036.0	BAC.MGTS-NMGTS(MGCCL MCTS)	1																					1
008.43	CAMPYLOBACTER	7	1					1				2		1				1					13
123.4	DIPHYLLOBOTHRIUM	1																					1
008.0	E. COLI 0157		1																				1
007.1	GIARDIA LAMBLIA	1								2						1							4
070.1	HEPATITIS A	1						1															2
070.51	HEPATITIS C	24						1	1			1						1	1				29
B95.6	MRSA/VRSA	35	1		1			1		2		3				10	8	9	2				72
033.0	PERTUSSIS	1				1				1													3
003.0	SALMONELLA	4	2			1																	7
004	SHIGELLOSIS	1																					1
041.2	STREP.PNEUM.OTHER	1																					1
038.2	STREP.PNEUMOCOCCAL SEPTIC	4	1		1					1													7
013	TUBERCULOSIS - NON- RESP.																	1					1
011	TUBERCULOSIS - RESP.	1																2					3
B96.8	VANCOMYCIN RES. ENTER.	4																					4
		88	6		2		2	1	4	6		6		1	10	9	14	5					154
Missing Investigation Forms (02/01/2004 - 01/31/2005)		78	11	2	1	1	3	6	3	4	1	4	2		5	8	2						131

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

STD Infection Summary Report - February 2005

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2004	2005	2004	2005
All Chlamydia Infections	348	318	709	634
All Gonorrhoea Infections (including PRNG)	84	83	180	150
All Syphilis Infections	4	11	9	14
Gonorrhoea & Chlamydia Co-infections	34	44	66	73
Penicillin Resistant Gonorrhoea Infections (PRNG)				
Suspect PRNG				
HIV	14	9	28	18

Total Number of STD Cases by Age and Gender - February 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							6	1	74	25	64	34	22	14	10	19	1	4						274
Gonorrhoea Only Cases									11	3	3	2	3	6	3	2	1	5						39
Syphilis Only Cases											1		1		3	1	2	1	1	1			11	
GC and CT Cases							2		10	5	10	5	2	3	4	1		1		1			44	
							8	1	95	33	77	42	27	24	17	25	3	12	1	2	1		368	
HIV											1		2		3		1	2					9	

Regional STD Distribution - February 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	151	6	9	7		3	1	15		22		17	1	4	6	10	43	22		1		318
All Gonorrhoea Infections	38	1	5	3				1	1	2		2			1	1	15	13				83
All Syphilis Infections	10	1																				11
GC and CT Infections	19		2	1						2					1		12	7				44

Missing Investigation Forms
(02/01/2004 - 01/31/2005)

32	14	3	7				6	2		16		1		3	13	5			1		103
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* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction