



## Health

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## Santé

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Dear Colleague,

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

### Communicable Diseases

In total, there were **259** new infections occurring across 23 communicable diseases\*\* (excluding sexually transmitted infections and HIV) in April 2005. The observed number of cases were within the expected range for most of the reported communicable diseases with the exception of the following: Campylobacter (34 cases observed; expected range = 5-27 cases); Methicillin resistant staphylococcus aureus (MRSA; 74 cases observed; expected range = 0-61 cases); Necrotizing fasciitis (2 cases observed; expected range = 0-1 case); Streptococcal pneumoniae (3 cases observed; expected range = 0-2 cases). The expected number of cases and accompanying range is based on the number of cases during March, April, and May 2000-2004.

### Sexually Transmitted Infections & Blood-Borne Pathogens

There were **419** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in April: 314 cases of chlamydia (Ct), 51 cases of gonorrhoea (Gc), 47 Gc-Ct co-infections, and 7 cases of syphilis. Two-thirds (65.8%) of all Gc and Ct cases in the province were reported among individuals between the ages of 15 and 24 years, most of whom were females. Half (50.2%) of all Gc and Ct cases were reported for individuals living in the Winnipeg health region, and an additional 18.7% were from the Burntwood health region.

In April **36** individuals tested positive for hepatitis C, 69.4% of which were reported from the Winnipeg region. More than 60% of new hepatitis C cases reported in April were among males; mostly in the 40–59 year age group. Additionally, eleven individuals tested positive for HIV in April.

\*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 April 2005**

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2004	2005	Expected*	Ex. Range**	2004	2005
006.9	AMEBIASIS	3	3	3	0-7	6	10
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS	1		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	0-0		
320.1	BAC. MENINGITIS - PNEUM		1	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			2	0-7	3	1
008.43	CAMPYLOBACTER	17	34	16	5-27	55	69
558.2	CLOSTRIDIUM DIFFICILE		59		***		59
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	4	4	3	0-7	12	5
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	2	1
008.0	E. COLI-VEROTOXIGENIC	4	1	3	0-8	11	8
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	7	4	10	2-18	37	16
041.5	H.I.B.-NON MTGS			1	0-3	3	
480.8	HANTA VIRUS			0	0-1		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A		2	2	0-10	6	7
070.3	HEPATITIS B			1	0-3	1	
070.51	HEPATITIS C	33	36	51	3-99	175	144
054.8	HERPES-W/UNSPEC COMPL			0	0-0		
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1	1	1
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1	2	
027.0	LISTERIA MONOCYTOGENES			0	0-1	1	
088.81	LYME DISEASE			0	0-0		
084	MALARIA	2	1	1	0-3	3	1
055.9	MEASLES			0	0-1	1	
036.0	MENINGOCOCCAL CSF			1	0-3		2
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			1	0-3		2
B95.6	MRSA/VRSA	41	74	30	0-61	228	299
072.9	MUMPS			0	0-1	1	1
036.89	N.MENINGITIDIS OTHER	1		0	0-1	3	2
728.86	NECROTIZING FASCIITIS		2	0	0-1	2	2
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	9	1	3	0-8	28	12
038.2	PNEUM. SEPTICEMIA	5	5	7	0-14	15	32
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	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	3	0	0-2	9	8
003.0	SALMONELLA	16	9	15	7-23	52	38
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	1	1	1	0-3	8	6
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		1	0	0-1		2
481	STREPTOCOCCUS PNEUMONIAE	3		1	0-3	3	1
127.2	STRONGYLOIDES			0	0-1		
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	2	0-4	6	5
011	TUBERCULOSIS - RESP.	9	11	6	0-12	27	25
010	TUBERCULOSIS-PRIM.	4	1	2	0-6	5	1
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	6	4		***	56	18
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-0	1	
047.1	VIRAL MENINGITIS-ECHO	3		1	0-3	3	
047.8	VIRAL MENINGITIS-ENTERO	1			***	1	
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		
008.44	YERSINIA ENTEROCOLITICA	3	1	1	0-3	5	2
		<b>178</b>	<b>259</b>			<b>778</b>	<b>782</b>

\* 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 April 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										3
320.1	BAC. MENINGITIS - PNEUM																						1		1
008.43	CAMPYLOBACTER	1		3	3		3		1	1	4	1				1	3	3	4	2	3		1		34
558.2	CLOSTRIDIUM DIFFICILE			1						1	1		1		2	1	4	2	4	4	27	11			59
007.8	CRYPTOSPORIDIOSIS						1					1		2											4
008.0	E.COLI 0157																						1		1
007.1	GIARDIA LAMBLIA					1									1	1				1					4
070.1	HEPATITIS A											1								1					2
070.51	HEPATITIS C								1	2				2	5	4	4	6	1	6	2	2	1		36
084	MALARIA			1																					1
B95.6	MRSA/VRSA		2	5	3	1	3	1	1	1	3	2	2	1	2	3	2	6	7	4	2	12	11		74
728.86	NECROTIZING FASCIITIS																	1				1			2
033.0	PERTUSSIS								1																1
003.0	SALMONELLA	1			2	1		1				1		1								1	1		9
004	SHIGELLOSIS							1																	1
041.2	STREP.PNEUM.OTHER									1								1		1					3
038.2	STREP.PNEUMOCOCCAL SEPTIC			1														1				2	1		5
038.0	STREPTOCOCCAL SEPTICEMIA														1										1
040.89	STREPTOCOCCAL TOXIC SHOCK																						1		1
013	TUBERCULOSIS - NON-RESP.																						1		1
011	TUBERCULOSIS - RESP.								2	2		1	1	1		1					1		2		11
010	TUBERCULOSIS-PRIM.						1																		1
B96.8	VANCOMYCIN RES. ENTER.				1												1		1			1			4
008.44	YERSINIA ENTEROCOLITICA											1													1
		2	2	11	9	3	7	3	4	6	14	6	5	3	9	12	12	19	22	13	18	46	33		260

**SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR April 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						
006.9	AMEBIASIS	3																					3
320.1	BAC. MENINGITIS - PNEUM	1																					1
008.43	CAMPYLOBACTER	4			1		3		4		4		13		1		1		3				34
558.2	CLOSTRIDIUM DIFFICILE	40	2				5	1	2		2		2	1	2				2				59
007.8	CRYPTOSPORIDIOSIS	2			1								1										4
008.0	E.COLI 0157	1																					1
007.1	GIARDIA LAMBLIA	1	1				1								1								4
070.1	HEPATITIS A	1											1										2
070.51	HEPATITIS C	25					1		3		4		1		1						1		36
084	MALARIA	1																					1
B95.6	MRSA/VRSA	26	2		4				1		1		6	1	3	13	6	9	2				74
728.86	NECROTIZING FASCIITIS												2										2
033.0	PERTUSSIS	1																					1
003.0	SALMONELLA	2					3				1		1		1			1					9
004	SHIGELLOSIS	1																					1
041.2	STREP.PNEUM.OTHER	3																					3
038.2	STREP.PNEUMOCOCCAL SEPTIC	1			1								2						1				5
038.0	STREPTOCOCCAL SEPTICEMIA	1																					1
040.89	STREPTOCOCCAL TOXIC SHOCK	1																					1
013	TUBERCULOSIS - NON- RESP.	1																					1
011	TUBERCULOSIS - RESP.	6																4	1				11
010	TUBERCULOSIS-PRIM.	1																					1
B96.8	VANCOMYCIN RES. ENTER.	3			1																		4
008.44	YERSINIA ENTEROCOLITICA	1																					1
		<b>127</b>	<b>5</b>	<b>2</b>	<b>6</b>		<b>13</b>	<b>1</b>	<b>10</b>		<b>12</b>		<b>29</b>	<b>2</b>	<b>9</b>	<b>13</b>	<b>7</b>	<b>19</b>	<b>4</b>		<b>1</b>		<b>260</b>
Missing Investigation Forms (Jan.1 to end of March)		51	10				2	2	4		8		4				1		2				84

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

## STD Infection Summary Report - April 2005

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2004	2005	2004	2005
All Chlamydia Infections	380	361	1471	1322
All Gonorrhea Infections (including PRNG)	91	98	368	314
All Syphilis Infections	6	7	22	26
Gonorrhea & Chlamydia Co-infections	42	47	151	147
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	5	11	38	36

## Total Number of STD Cases by Age and Gender - April 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	1	77	25	74	36	28	26	10	15	5	6	2	1		1		314
Gonorrhea Only Cases							1		6	5	6	6	4	5	2	8	3	2	1	2				51
Syphilis Only Cases									1			1	1	1		1	1							7
GC and CT Cases							3		11	7	8	10	4	1	3									47
							11	1	95	37	88	53	37	33	15	24	9	9	3	3		1		419
HIV							1						1	2		3		3				1		11

## Regional STD Distribution - April 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	180	9	4	5		9	4	15		12		11		21		17	45	23	1	4	1	361
All Gonorrhea Infections	49	2	7	2			1	2		4				2		2	19	6	1	1		98
All Syphilis Infections	4											1						1		1		7
GC and CT Infections	22		1	1			1	1		1				2		2	14	2				47

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

10	21	3	5		2	1	3	1	2		16		2	1	13	11	2		1		94
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\* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction