



Health

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Dear Colleague,

Please find attached the **Summary of Communicable Diseases for the Month of September 2004**. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of September 2004.

Communicable Diseases

In total, there were **250** new infections occurring across 19 communicable diseases** (excluding sexually transmitted infections and HIV) in September 2004. The observed number of cases was within the expected range for most of the reported communicable diseases with the exception of Tuberculosis, respiratory (15 cases observed; expected range=0 to 13 cases) and non-respiratory (11 cases observed; expected range=0 to 5 cases). The expected number of cases and accompanying range is based on the number of cases during August, September, and October 1999-2003.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **453** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in September: 354 cases of chlamydia (Ct), 64 cases of gonorrhoea (Gc), 35 Gc-Ct co-infections, and 11 cases of syphilis. Almost half (49.2%) of all Gc and Ct cases in the province were reported in females between the ages of 15 and 24. More than half (60.7%) of all Gc and Ct cases were reported for individuals from the Winnipeg health region, and an additional 17.6% were from the Burntwood health region.

In September **39** individuals tested positive for hepatitis C, more than two-thirds of which were reported from the Winnipeg region (27 of 39 cases). About 40% of the new hepatitis C cases were reported among males aged 30-49 years. Additionally, nine individuals tested positive for HIV in September.

*Note: Data for the monthly summary is aggregated based on the earliest of either symptom onset data, 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:

strongyloids (ICD9: 127.2)

ascariasis (ICD9: 127.0)

schistosomiasis (ICD9: 120)

leishmaniasis – unspecified (ICD9: 085.9)

penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)

methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)

streptococcus pneumoniae – other site (ICD9: 041.2)

toxoplasmosis (ICD9: 130.9)

vancomycin resistant enterococci (VRE)

tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,

Dr. Carole Beaudoin
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR September 2004

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2003	2004	Expected*	Ex. Range**	2003	2004
006.9	AMEBIASIS	2	1	2	0-5	21	12
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS	1			***	2	3
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	3	3
320.3	BAC. MENINGITIS - STAPH			0	0-0	1	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	9			***	11	7
008.43	CAMPYLOBACTER	23	25	24	14-34	139	190
046.1	CREUTZFELD-JACOB DISEASE				***	1	
007.8	CRYPTOSPORIDIOSIS	4	3		***	33	21
065.4	DENGUE FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHThERIA CASES			0	0-0		1
123.4	DIPHYLLOBOTHRIUM SPP				***	5	6
008.0	E. COLI-VEROTOXIGENIC	7	9	5	0-13	72	53
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER				***		
007.1	GIARDIA LAMBLIA	5	21		***	92	96
041.5	H.I.B.-NON MTGS			0	0-1		3
480.8	HANTA VIRUS				***		
283.11	HEMOLYTIC UREMIC SYNDROME				***		
070.1	HEPATITIS A	2	3	1	0-3	32	19
070.3	HEPATITIS B	1	2	1	0-2	4	4
070.51	HEPATITIS C	35	39		***	340	337
054.8	HERPES-W/UNSPEC.COMPI			0	0-0	1	
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	0-2	4	1
088.81	LYME DISEASE				***		1
084	MALARIA			1	0-3	6	8
055.9	MEASLES			0	0-0	1	1
036.0	MENINGOCOCCAL CSF			0	0-1	2	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCAL BLOOD			0	0-1	1	
B95.6	MRSA/RSA	53	74		***	343	584
072.9	MUMPS			0	0-1		2
036.89	N.MENINGITIDIS.OTHER			0	0-1	1	7
728.86	NECROTIZING FASCITIS		1		***	1	4
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0	1	
033.1	PARAPERTUSSIS				***		
002.9	PARATYPHOID			0	0-0	1	
027.2	PASTURELLA MULTOCIDA						
033.0	PERTUSSIS	4	2		***	31	50
038.2	PNEUM SEPTICEMIA	5	4		***	49	35
073.9	PSITTACOSIS			0	0-1		
083.0	Q FEVER	1				3	
331.81	REYE'S SYNDROME				***		

* 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	
		2003	2004	Expected*	Ex. Range**	2003	2004
391	RHEUMATIC FEVER				***		4
056.9	RUBELLA				***		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER	4			***	6	13
003.0	SALMONELLA	20	14	18	7-29	141	118
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	2		5	0-22	17	7
005.0	STAPHYLOCOCCAL			0	0-1	1	
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP.PNEUMONIA - PR			0	0-0		1
711.0	STREP.PNEUM.ARTHRITIS				***		
580.0	STREPT GLOMERULONEPHRITIS				***		
040.89	STREPT TOXIC SHOCK				***	1	
481	STREPTOCOCCUS PNEUMONIAE				***	4	4
127.2	STRONGYLOIDS	1		0	0-1	3	
037	TETANUS	1		0	0-1	1	
130.9	TOXOPLASMOSIS				***	3	
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI				***		
013	TUBERCULOSIS - NON-RESP.	2	11	2	0-5	19	21
011	TUBERCULOSIS - RESP.	3	15	6	0-13	63	73
010	TUBERCULOSIS-PRIM.		2	1	0-3	8	18
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-1		
B96.8	VANCOMYCIN R. ENTEROCOCCI	10	16		***	123	127
005.4	VIBRIO PARAHAEMOLYTICUS				***	1	
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			2	0-6	1	8
047.1	VIRAL MENINGITIS-ECHO	11	4	2	0-8	29	27
047.8	VIRAL MENINGITIS-ENTERO		4		***	9	11
054.72	VIRAL MENINGITIS-H.SIMP				***	2	
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1	1	1
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.3	WEST NILE VIRUS			0	0-0		
008.44	YERSINIA ENTEROCOLITICA				***	6	8
		206	250			1643	1896

* 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 September 2004

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			2	2		1	2			1		2	3	2	3	1	1	1		1	2	1		25
007.8	CRYPTOSPORIDIOSIS					1										1					1				3
008.0	E.COLI 0157			2				1		1			2			1						1	1		9
007.1	GIARDIA LAMBLIA				2	1	1	1		1			1	2	1	2	2		2	1	2	2			21
070.1	HEPATITIS A																	1		1			1		3
070.3	HEPATITIS B												1					1							2
070.51	HEPATITIS C									1	1			1	6	9	4	7	4	6					39
B95.6	MRSA/VRSA	2	1		5	1	1	3	2	3	1	2		1	1	1	4	8	2	2	4	14	16		74
728.86	NECROTIZING FASCIITIS													1											1
033.0	PERTUSSIS				1				1																2
003.0	SALMONELLA						2	2	1		2	2				2				1		2			14
038.2	STREP.PNEUMOCOCCAL SEPTIC	1			1															1			1		4
013	TUBERCULOSIS - NON-RESP.					1						2				2	1	1	1	1	1		1		11
011	TUBERCULOSIS - RESP.											1	2	1	3	1	2	1	1		1	1	1		15
010	TUBERCULOSIS-PRIM.			1			1																		2
B96.8	VANCOMYCIN RES. ENTER.															2	2	1	1	1		5	4		16
047.1	VIRAL MENINGITIS-ECHO							1						2	1										4
047.8	VIRAL MENINGITIS-ENTERO							1						1		1	1								4
		3	1	6	11	4	6	11	4	5	5	8	7	9	11	23	22	17	16	12	16	27	26		250

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR September 2004

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	1																					1
008.43	CAMPYLOBACTER	3	4		1		3				5		8						1				25
007.8	CRYPTOSPORIDIOSIS	1									1		1										3
008.0	E.COLI 0157	4	2								2		1										9
007.1	GIARDIA LAMBLIA	11	2		1		2				3		1				1						21
070.1	HEPATITIS A	3																					3
070.3	HEPATITIS B	2																					2
070.51	HEPATITIS C	27	2		3			1	1		1				1		3						39
B95.6	MRSA/VRSA	31	5				1		1		2	1	2			9	3	14	5				74
728.86	NECROTIZING FASCIITIS																	1					1
033.0	PERTUSSIS	1									1												2
003.0	SALMONELLA	6			1				2		1		1				1	1	1				14
038.2	STREP.PNEUMOCOCCAL SEPTIC	3									1												4
013	TUBERCULOSIS - NON- RESP.	7												1				3					11
011	TUBERCULOSIS - RESP.	3														1	1	10					15
010	TUBERCULOSIS-PRIM.	1																1					2
B96.8	VANCOMYCIN RES. ENTER.	15														1							16
047.1	VIRAL MENINGITIS-ECHO	3																	1				4
047.8	VIRAL MENINGITIS-ENTERO	4																					4
		126	15		6		6	1	4		17	1	14	1	1	10	10	30	8				250
Missing Investigation Forms (Jan.1 to end of August)		119	12	1	2	1	11	4	5		4	1	6	3	1		4	12	2	1	3	1	193

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

STD Infection Summary Report - September 2004

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2003	2004	2003	2004
All Chlamydia Infections	321	389	2802	3146
All Gonorrhea Infections (including PRNG)	95	99	632	818
All Syphilis Infections	10	11	54	49
Gonorrhea & Chlamydia Co-infections	42	35	256	333
Penicillin Resistant Gonorrhea Infections (PRNG)			3	
Suspect PRNG				
HIV	13	9	82	78

Total Number of STD Cases by Age and Gender - September 2004

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					6		104	28	89	36	33	19	16	15	3	4						354
Gonorrhea Only Cases							1		6	4	10	17	5	4	1	9		5		2				64
Syphilis Only Cases								1			1		1	2		1	1	2		1		1		11
GC and CT Cases							2		9	5	5	4	2	3	1	3				1				35
		1					9		120	37	105	57	41	28	18	28	4	11		4		1		464
HIV												1	1	2		2		2		1				9

Regional STD Distribution - September 2004

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	212	14	5	12		9		12		17		8	1	13	1	15	45	23	1	1		389
All Gonorrhea Infections	64		2	3		1				3				1			14	10		1		99
All Syphilis Infections	10	1																				11
GC and CT Infections	19		1	1						1				1			9	3				35

Missing Investigation Forms (Jan.1 to end of August)	40	19	12	18		4	2	5	1	9		22	2	3	5	11	22	12				187
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* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction