



## Health

Provincial Health Programs  
Public Health Branch  
Communicable Disease Control Unit  
Fourth Floor, 300 Carlton Street  
Winnipeg MB R3B 3M9  
CANADA  
Telephone: (204) 788-6737  
Fax: (204) 948-2040

## Santé

Programmes de santé provinciaux  
Direction de la santé publique  
Prévention des maladies transmissibles  
300, rue Carlton, 4<sup>e</sup> étage  
Winnipeg MB R3B 3M9  
CANADA  
Téléphone: (204) 788-6737  
Télécopieur: (204) 948-2040

Dear Colleague,

Please find attached a copy of “**Summary of Communicable Diseases for the Month of December 2004**” for your review. The December monthly report is of particular interest as it also reflects a complete calendar year’s worth of activity for reportable communicable diseases compared to the previous calendar year.

### Communicable Diseases

In total, there were **189** new infections occurring across 17 communicable diseases\*\* (excluding sexually transmitted infections and HIV) in December 2004. The observed number of cases was within the expected range for most of the reported communicable diseases, with the exception of Ascariasis (observed 3 cases; expect 0 cases) and Respiratory Tuberculosis (observed 12 cases; expect 1-11 cases). The expected number of cases and accompanying range is based on the number of reported cases during November and December 1999-2003 and January 2000-2004.

Comparing 2004 year end totals with those in 2003, the Communicable Disease Control Unit witnessed a 14% increase in the overall number of reportable communicable diseases. Much of this increase is due to a 63% increase in reported cases of Methicillin and/or Vancomycin Resistant Staphylococcus Aureus (MRSA/VRSA). Cases of Pertussis and Campylobacter also increased in 2004, each by about one-third more cases than in the previous year. Other diseases showing increases from 2003 to 2004 include Giardia Lamblia (19% increase) and Primary Tuberculosis (almost doubling of cases). Decreases from 2003 were observed for some diseases, most notably Cryptosporidiosis (42% decrease), E. coli (29% decrease) and Pneumococcal Septicemia (one-third fewer cases).

### Sexually Transmitted Infections & Blood-Borne Pathogens

There were **353** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in December: 263 cases of chlamydia (Ct), 51 cases of gonorrhoea (Gc), 32 Gc-Ct co-infections, and 7 cases of syphilis. Almost 45% of all Gc and Ct cases in the province were reported in females between the ages of 15 and 24. Almost half (47.4%) of Gc and Ct cases in December were reported for individuals from the Winnipeg health region, and an additional 19.7% were from the Burntwood health region.

The total number of chlamydia infections for 2004 was 4208; 498 more infection than reported for 2003, reflecting a 13% increase. Gonorrhoea cases rose by 23% in 2004 compared to 2003, reflecting 204 more infections (1089 cases in 2004; 885 cases in 2003).

In December **29** individuals tested positive for hepatitis C, 69% of which were reported from the Winnipeg region; an additional 13% of cases were from the Interlake health region. Males aged 30-49 years accounted for half (51.7%) of all new cases. In 2004, 435 individuals tested positive for hepatitis C; indicating a 4% decrease from the 455 cases reported in 2003. Ten new cases of HIV were reported in December, bringing the year-to-date total to 109 new cases (110 cases were reported in 2003).

### Outbreak Summary

Reports of suspected or confirmed outbreaks are directed to the CDC Unit by:

- (a) a phone call/email from public health staff within a RHA;
- (b) a phone call/email from Cadham Provincial Laboratory advising of the assignment of an outbreak code; or
- (c) completion and submission of an outbreak form

In 2004, 67 outbreaks were reported to the Communicable Disease Control Unit. Seventy per cent of these outbreaks (47 of 67) occurred in personal care homes. About two-thirds of the reported outbreaks (68.6%) were for gastrointestinal symptoms, and an additional 23.8% were respiratory outbreaks.

An infectious agent was confirmed in little more than one-third of all outbreaks (38.8%) in 2004. Of the 67 reported outbreaks:

- 13 were confirmed as Small Round Enteric Virus,
- 4 confirmed Influenza A,
- 2 confirmed Scabies, and
- 1 confirmed as each of Salmonella, Clostridium Perfringens, Pertussis, Hepatitis C, Varicella, MRSA, and Tularaemia (in animal population only).

Please feel free to contact the Communicable Disease Control Unit Epidemiologist should you have any questions about the content of this summary at [CaBeaudoin@gov.mb.ca](mailto:CaBeaudoin@gov.mb.ca).

Cheers,

Carole Beaudoin, BA, MSc, PhD  
Epidemiologist, Communicable Diseases

\*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 Tuberculosis Control Programme at the Health Sciences Centre, rather than by Public Health)

**SUMMARY OF COMMUNICABLE DISEASE FOR December 2004**

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2003	2004	Expected*	Ex. Range**	2003	2004
006.9	AMEBIASIS	3	4	4	0-9	25	21
127.0	ASCARIASIS		3	0	0-0		3
005.8	B. CEREUS				***	2	3
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-1		
320.9	BAC. MENINGITIS - OTHER			0	0-1	3	
320.1	BAC. MENINGITIS - PNEUM	1	1	1	0-4	6	4
320.3	BAC. MENINGITIS - STAPH			0	0-1	1	1
320.2	BAC. MENINGITIS - STREP		1	0	0-1		2
320.7	BAC.MENINGITIS-LISTERIA						
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS	2	2		***	15	10
008.43	CAMPYLOBACTER	5	11	13	3-23	179	239
046.1	CREUTZFELD-JACOB DISEASE	1			***	3	
007.8	CRYPTOSPORIDIOSIS				***	38	22
065.4	DENGUE FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0	1	
032	DIPHThERIA CASES			0	0-0		1
123.4	DIPHYLLOBOTHRIUM SPP				***	7	6
008.0	E. COLI-VEROTOXIGENIC	2		2	0-5	83	59
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER				***		
007.1	GIARDIA LAMBLIA	7	12		***	118	141
041.5	H.I.B.-NON MTGS			0	0-1	1	5
480.8	HANTA VIRUS				***		
283.11	HEMOLYTIC UREMIC SYNDROME				***		
070.1	HEPATITIS A	1	1	1	0-4	34	20
070.3	HEPATITIS B		1	1	0-2	5	5
070.51	HEPATITIS C	37	29		***	455	435
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	0-1	4	1
088.81	LYME DISEASE				***		1
084	MALARIA		1	1	0-3	8	10
055.9	MEASLES			0	0-1	1	1
036.0	MENINGOCOCCAL CSF			0	0-2	2	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1	1	
B95.6	MRSA/RSA	55	71		***	510	831
072.9	MUMPS			0	0-1		2
036.89	N.MENINGITIDIS.OTHER			0	0-0	2	8
728.86	NECROTIZING FASCITIS	2			***	4	7
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1	1	
033.1	PARAPERTUSSIS	1			***	1	
002.9	PARATYPHOID			0	0-1	1	
027.2	PASTURELLA MUI TOCIDA						
033.0	PERTUSSIS	10	11		***	56	78
038.2	PNEUM SEPTICEMIA	9	7		***	75	49
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER					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				***		5
056.9	RUBELLA				***		
771.0	RUBELLA CONGENITAL			0	0-0		
041.2	S.PNEUM.OTHER				***	8	17
003.0	SALMONELLA	5	12	14	3-25	171	159
120	SCHISTOSOMIASIS	1		0	0-0	2	
004	SHIGELLOSIS	1		4	0-14	19	14
005.0	STAPHYLOCOCCAL			0	0-1	1	
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP.PNEUMONIA - PR			0	0-0		2
711.0	STREP.PNEUM.ARTHRITIS				***		
580.0	STREPT GLOMERULONEPHRITIS				***		
040.89	STREPT TOXIC SHOCK	1			***	2	
481	STREPTOCOCCUS PNEUMONIAE				***	4	5
127.2	STRONGYLOIDES			0	0-0	3	1
037	TETANUS			0	0-0	1	
130.9	TOXOPLASMOSIS				***	3	
124	TRICHINOSIS			0	0-1		
086	TRYPANOSOMA CRUZI				***		
013	TUBERCULOSIS - NON-RESP.	2	1	2	0-4	24	27
011	TUBERCULOSIS - RESP.	8	12	6	1-11	89	94
010	TUBERCULOSIS-PRIM.			1	0-4	11	20
021.9	TULAREMIA			0	0-1		1
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	27	10		***	181	161
005.4	VIBRIO PARAHAEMOLYTICUS				***	1	
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1	3	8
047.1	VIRAL MENINGITIS-ECHO			1	0-4	31	31
047.8	VIRAL MENINGITIS-ENTERO				***	10	12
054.72	VIRAL MENINGITIS-H.SIMP				***	2	
047.9	VIRAL MENINGITIS-UNSPEC			0	0-2	2	1
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
066.3	WEST NILE VIRUS			0	0-0		
008.44	YERSINIA ENTEROCOLITICA				***	8	11
		<b>181</b>	<b>189</b>			<b>2224</b>	<b>2539</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 December 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	1					1		4
127.0	ASCARIASIS							1	1	1															3
320.2	BAC. MENINGITIS - STREP																					1			1
005.2	C. PERFRINGENS						1			1															2
008.43	CAMPYLOBACTER				1										1			3	1	1		4			11
007.1	GIARDIA LAMBLIA		1	3			2			1	1					1	1				1		1		12
070.1	HEPATITIS A															1									1
070.3	HEPATITIS B																				1				1
070.51	HEPATITIS C											1	1	1	1	3	8	5	7		2				29
084	MALARIA			1																					1
B95.6	MRSA/VRSA			3		4	2	2	2		1		2			1	4	4	4	3	2	17	20		71
033.0	PERTUSSIS	1	2	3	2	1			1														1		11
003.0	SALMONELLA		1		2	1							2					3			1	2			12
038.2	STREP.PNEUMOCOCCAL SEPTIC		1	1	1																2		2		7
013	TUBERCULOSIS - NON-RESP.																	1							1
011	TUBERCULOSIS - RESP.											1	2	1	2	1	1					3	1		12
B96.8	VANCOMYCIN RES. ENTER.																					5	5		10
		1	5	11	6	6	5	3	4	3	2	1	6	3	4	8	15	18	12	4	9	32	30		189

**SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR December 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	F	P				
006.9	AMEBIASIS	4																					4
127.0	ASCARIASIS	3																					3
320.2	BAC. MENINGITIS - STREP	1																					1
005.2	C. PERFRINGENS	2																					2
008.43	CAMPYLOBACTER	8				1		1		1													11
007.1	GIARDIA LAMBLIA	4								3		1		1		1	2						12
070.1	HEPATITIS A	1																					1
070.3	HEPATITIS B	1																					1
070.51	HEPATITIS C	20			1			2	2			3						1					29
084	MALARIA	1																					1
B95.6	MRSA/VRSA	38			1			2		2		3		2	3	4	11	4				1	71
033.0	PERTUSSIS	6				1				4													11
003.0	SALMONELLA	4						2		3				1		2							12
038.2	STREP.PNEUMOCOCCAL SEPTIC	4	1			1				1													7
013	TUBERCULOSIS - NON- RESP.	1																					1
011	TUBERCULOSIS - RESP.	5							1	1							5						12
B96.8	VANCOMYCIN RES. ENTER.	5												5									10
		<b>108</b>	<b>1</b>		<b>2</b>		<b>3</b>	<b>2</b>	<b>7</b>	<b>1</b>	<b>15</b>		<b>7</b>		<b>9</b>	<b>3</b>	<b>7</b>	<b>18</b>	<b>5</b>			<b>1</b>	<b>189</b>
Missing Investigation Forms (Jan.1 to end of November)		133	23	2	2	1	5	5	11	2	8	1	12	3	2	5	10	2				1	228

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

### STD Infection Summary Report - December 2004

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2003	2004	2003	2004
All Chlamydia Infections	261	295	3710	4208
All Gonorrhea Infections (including PRNG)	78	83	885	1089
All Syphilis Infections	11	7	78	62
Gonorrhea & Chlamydia Co-infections	25	32	350	448
Penicillin Resistant Gonorrhea Infections (PRNG)			3	
Suspect PRNG				
HIV	9	10	110	109

### Total Number of STD Cases by Age and Gender - December 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			1		2		57	23	68	34	27	17	15	7	4	5		1		1		263
Gonorrhea Only Cases									6	4	5	9	5	4	5	5		5		2		1		51
Syphilis Only Cases															1	3		2		1				7
GC and CT Cases							2		11	4	6	3	2			2		2						32
		1			1		4		74	31	79	46	34	21	21	17	4	14		4		2		353
HIV	1										2					2	2	3						10

### Regional STD Distribution - December 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	136	8	5	12		1	4	15	2	11		17		13		13	32	25		1		295
All Gonorrhea Infections	42	2	2	1		1	3	1		7		1			1	14	8					83
All Syphilis Infections	7																					7
GC and CT Infections	14	1	1				3	1		1						7	4					32



Missing Investigation Forms (Jan.1 to end of November)	57	8	7	21		4	1	5	4		11	1	2	2	12	18	10		2		165
---	----	---	---	----	--	---	---	---	---	--	----	---	---	---	----	----	----	--	---	--	-----

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