



Health

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Dear Colleague,

Please find attached a copy of “**Summary of Communicable Diseases for the Month of December 2003**” 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, **174** cases across 20 communicable diseases* (excluding sexually transmitted diseases) were reported to the CDC Unit in December 2003. The observed number of cases was within the expected range for all of the reported communicable diseases. The expected number of cases and accompanying range is based on the number of reported cases during November and December 1998-2002, and January 1999-2003.

Comparing 2003 year end totals with those reported in 2002, the CDC unit witnessed a 53% increase in reported cases of respiratory tuberculosis, and almost three times as many cases of viral meningitis due to echo virus compared to 2002. Cases of hepatitis A also increased, due to a reported outbreak in Winnipeg during the spring of 2003. Similarly, the province witnessed a 70% increase in the number of MRSA/VRSA cases and a 10-fold increase in VRE cases, due mainly to a series of ongoing outbreaks in a number of hospitals and facilities across the province. Reported cases of pertussis declined by more than one third from 2002 to 2003. Toxoplasmosis also showed a substantial decline in the number of cases, although the decline is due to a change in recording patterns (only acute exposure is now recorded), rather than a change in disease incidence.

Sexually Transmitted Infections & Blood-Borne Pathogens

In total, **324** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) were reported in December: 237 cases of chlamydia (Ct), 53 cases of gonorrhoea (Gc), 25 Gc-Ct co-infections, and 9 cases of syphilis. Almost two-thirds of the Gc and Ct cases were reported in females, mostly between the ages of 15 and 24. Winnipeg accounted for almost half of all Gc and Ct cases provincially, with Burntwood RHA accounting for an additional 20%.

Reported cases of chlamydia increased somewhat from 2002 (about 9% increase), while gonorrhoea cases rose by more than one-third. The number of syphilis cases more than tripled in 2003, reflecting an ongoing outbreak of locally acquired infectious syphilis in Winnipeg.

In December **36** newly identified cases of **hepatitis C** were reported, 69% of which were reported from the Winnipeg Regional Health Authority (WRHA). Males accounted for almost two-thirds of all new cases, mostly in the 30-39 year age group. Compared to 2002, the number of newly reported hepatitis C cases decreased by about 13%. Ten new cases of HIV were reported in December, bringing the year-to-date total to 111 new cases, representing a 59% increase in cases from 2002.

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.

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 2003

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2002	2003	Expected*	Ex. Range**	2002	2003
002.0	TYPHOID			0	0-1		
002.9	PARATYPHOID			0	0-1	1	1
003.0	SALMONELLA	11	6	14	3-25	199	171
004	SHIGELLOSIS	1	1	6	0-17	17	19
005.0	STAPHYLOCOCCAL			0	0-1		1
005.1	BOTULISM				***		
005.2	C. PERFRINGENS	13	2		***	35	15
005.4	VIBRIO PARAHAE M OLYTICUS				***		1
005.8	B. CEREU S				***	4	2
005.9	FOOD POISONING OTHER	1			***	9	
006.9	AMEBIASIS	2	2	4	0-8	25	20
007.1	GIARDIA LAMBLIA	14	5		***	157	114
007.8	CRYPTOSPORIDIOSIS				***	35	38
008.0	E. COLI VEROTOXIGENIC	3	2	2	0-5	79	83
008.43	CAMPYLOBACTER	6	6	13	4-22	214	177
008.44	YERSINIA ENTEROCOLITICA				***	3	8
010	TUBERCULOSIS-PRIM	2		1	0-4	13	11
011	TUBERCULOSIS - RESP	4	8	6	1-11	58	89
013	TUBERCULOSIS - NON-RESP	1	2	2	0-5	25	24
021.9	TULAREMIA			0	0-1	1	
023	BRELLCELLOSIS			0	0-0		
027.0	LISTERIA MONOCYTOGENES					3	4
027.2	PASTEURELLA MULTOCIDA			0	0-0		
030.9	LEPROSY			0	0-0		
032	DIPHTHERIA CASES			0	0-0		
033.0	PERTUSSIS	5	6		***	79	51
033.1	PARAPERTUSSIS		1		***	7	1
036.0	MENINGOCOCCAL CSE			1	0-3	5	2
036.2	MENINGOCOCCAL BLOOD		1	0	0-1	7	1
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.89	NON-MENINGITIDIS OTHER			0	0-0	1	2
037	TETANUS			0	0-0		1
038.2	PNEUM SEPTICEMIA	6	8		***	97	71
040.89	STREPT TOXIC SHOCK		1		***	4	2
041.2	S. PNEUM OTHER		1		***		10
041.5	H. I. B. -NON MTGS			0	0-1	1	1
046.1	CREUTZFELD-JACOB DISEASE				***	1	1
047.0	VIRAL MENINGITIS-COXSACK			0	0-1	10	1
047.1	VIRAL MENINGITIS-ECHO			1	0-4	13	33
047.8	VIRAL MENINGITIS-ENTERO				***	16	10
047.9	VIRAL MENINGITIS-UNSPEC			0	0-2		2
054.3	ENCEPHALITIS	1		0	0-0	3	
054.72	VIRAL MENINGITIS-H. SIMP	1			***	3	2
054.8	HERPES-W-UNSPEC. COMPI			0	0-0		1
055.9	MEASLES			0	0-1	1	1
056.9	RUBELLA				***		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
065.4	DENGUE FEVER			0	0-0	3	
066.3	WEST NILE VIRUS			0	0-0		
070.1	HEPATITIS A	4		2	0-8	22	33
070.3	HEPATITIS B			1	0-4	10	2
070.51	HEPATITIS C	38	36		***	532	461
070.59	VIRAL HEP OTHER				***		
072.9	MUMPS			0	0-1	1	
073.9	PSITTACOSIS			0	0-1		
081.9	TYPHUS			0	0-0		

* 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	
		2002	2003	Expected*	Ex. Range**	2002	2003
083.0	Q FEVER					6	3
084	MALARIA			1	0-3	19	8
085.9	LEISHMANIASIS						
086	TRYPANOSOMA CRUZI				***		
088.81	L YME DISEASE				***		
120	SCHISTOSOMIASIS		1		***		2
123.4	DIPHYL LOBOTHRIUM SPP				***		7
124	TRICHINOSIS	1		0	0-1	1	
127.0	ASCARIASIS				***		
127.2	STRONGYLOIDS				***		3
130.9	TOXOPLASMOSIS	4			***	42	3
283.11	HEMOLYTIC UREMIC SYNDROME				***	2	
320.0	BAC. MENINGITIS - HAEM			0	0-1	1	
320.1	BAC. MENINGITIS - PNEUM			1	0-4	3	4
320.2	BAC. MENINGITIS - STREP			0	0-1	8	
320.3	BAC. MENINGITIS - STAPH			0	0-1		1
320.7	BAC. MENINGITIS - LISTERIA						
320.82	BAC. MENINGITIS - F. COI			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-0	1	3
323.9	OTHER ENCEPHALITIS			0	0-1		1
331.81	REYER'S SYNDROME				***		
391	RHEUMATIC FEVER				***		
480.8	HANTAVIRUS				***		
481	STREPTOCOCCUS PNEUMONIAE				***	1	3
481.9	STREP PNEUMONIA - PR				***		
482.83	LEGIONELLA			0	0-1	2	2
580.0	STREPT. GLOMERULONEPHRITIS				***		
711.0	STREP. PNEUM. ARTHRITIS				***	1	
728.86	NECROTIZING FASCITIS		1		***	7	3
729.1	NECROTIZING MYOSITIS				***		
771.0	RUBELLA CONGENITAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
A83.0	JAPANESE ENCEPHALITIS				***		
B95.6	MRSA/VRSA	18	57		***	299	511
B96.8	VANCOMYCIN R. ENTEROCOCCI	1	27		***	17	181
V02.4	DIPH. CARRIERS			0	0-0		1
		137	174			2104	2203

* 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 2003

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		
003.0	SALMONELLA		1					1			1									1	1	1			6
004	SHIGELLOSIS									1															1
005.2	C. PERFRINGENS													1									1		2
006.9	AMEBIASIS																			1		1			2
007.1	GIARDIA LAMBLIA		1		2				1													1			5
008.0	E.COLI 0157																				1	1			2
008.43	CAMPYLOBACTER					1										2		1	1				1		6
011	TUBERCULOSIS - RESP.																3		1			1	3		8
013	TUBERCULOSIS - NON-RESP.																				1	1			2
033.0	PERTUSSIS	1	2	2													1								6
033.1	PARAPERTUSSIS		1																						1
036.2	MENINGOCOCCEMIA(MGCCEMIA)													1											1
038.2	STREP.PNEUMOCOCCAL SEPTIC		1				1											1	1	1			3		8
040.89	STREPTOCOCCAL TOXIC SHOCK																					1			1
041.2	STREP.PNEUM.OTHER											1													1
070.51	HEPATITIS C												3	2	2	4	7	4	6		3		2	3	36
120	SCHISTOSOMIASIS																1								1
728.86	NECROTIZING FASCIITIS																				1				1
B95.6	MRSA/VRSA	1	3	2	4			1	1	1		1	1	1		1	2	1	2	1	4	13	17		57
B96.8	VANCOMYCIN RES. ENTER.																	1	2			14	10		27
		2	9	4	6	1	1	2	2	2	1	2	4	3	4	10	10	8	13	3	12	33	39		174

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR December 2003

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						
003.0	SALMONELLA							5										1					6
004	SHIGELLOSIS	1																					1
005.2	C. PERFRINGENS	1														1							2
006.9	AMEBIASIS	1	1																				2
007.1	GIARDIA LAMBLIA	1				2		1				1											5
008.0	E.COLI 0157									1				1									2
008.43	CAMPYLOBACTER	4				1				1													6
011	TUBERCULOSIS - RESP.	3	1															4					8
013	TUBERCULOSIS - NON-RESP.	1				1																	2
033.0	PERTUSSIS	3								1								2					6
033.1	PARAPERTUSSIS									1													1
036.2	MENINGOCOCCEMIA(MGCCE)					1																	1
038.2	STREP.PNEUMOCOCCAL SE	3						2		1			1					1					8
040.89	STREPTOCOCCAL TOXIC SH	1																					1
041.2	STREP.PNEUM.OTHER													1									1
070.51	HEPATITIS C	25	2			2		2		1				1		1		1			1		36
120	SCHISTOSOMIASIS	1																					1
728.86	NECROTIZING FASCIITIS																	1					1
B95.6	MRSA/VRSA	27	4							1			9			3	3	5	4			1	57
B96.8	VANCOMYCIN RES. ENTER.	27																					27
		99	8			7	2	8	1	6			11		3	3	5	12	7		1	1	174
Missing Investigation Forms (Jan.1 to end of November)		160	13	4		1	8	6	5	3	4		6	3		1	9	9		1			233

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

STD Infection Summary Report - December 2003

DISEASE/INFECTION	MONTHLY TOTAL		YEAR-TO-DATE	
	2002	2003	2002	2003
All Chlamydia Infections	234	262	3379	3704
All Gonorrhea Infections (including PRNG)	49	78	635	884
All Syphilis Infections		10	24	76
Gonorrhea & Chlamydia Co-infections	22	25	231	350
Penicillin Resistant Gonorrhea Infections (PRNG)			1	3
Suspect PRNG				
HIV	4	10	70	111

Total Number of STD Cases by Age and Gender - December 2003

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							8		63	14	50	29	23	12	12	16	3	5		1		1		237
Gonorrhea Only Cases									10	4	7	6	5	6	4	3	2	3		3				53
Syphilis Only Cases											1		1	1	1	2				3		1		10
GC and CT Cases								14	4		2	2	1	1	1	1								25
							8		87	22	58	37	31	20	18	22	5	8		7		2		325
HIV											1	1	1	3		2		2						10

Regional STD Distribution - December 2003

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	122	14	4	11		2	1	11		12		3	1	7		18	29	23	1	3		262
All Gonorrhea Infections	46	1	1	2				2		2		1	1			5	11	6				78
All Syphilis Infections	10																					10
GC and CT Infections	11	1		1				2		1			1			3	3	2				25

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

37	14	6	14		4	3	11	1	5		2		1	1	11	33	12	1	1		157
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* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction