



Livingston County

Department of Public Health

Communicable Disease Update

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TB Resources

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The TB Nurse Network has developed the **TB Tool Kit** as a resource for health care professionals who provide screening for TB, treat persons with latent TB infection and/or TB disease. It includes information on reporting, laboratory testing and educational resources. You can access the toolkit @ www.michigan.org/hcp/tool.asp

The Livingston County Department of Public Health is offering a Tuberculin Skin Test workshop for certification and recertification on Thursday, April 30, 2009. Call Rebecca Cook at 517-552-6808 for details.

TB Trends, Locally, Statewide and Nationally

Donald W. Lawrenchuk, MD, MPH, Medical Director

In reviewing TB trends, Livingston County remains a relatively low incidence county in a fairly low incidence state. Both state and national data show a continued decline in the incidence of tuberculosis over the past five years. Since most cases of TB require antibiotic treatment for six months or longer, directly observed therapy (DOT) should be considered for all active TB patients to ensure full compliance.

TB Cases 2004–2008

Livingston County, Michigan & the United States

Year	Livingston County		Michigan		United States	
	Rate	Cases	Rate	Cases	Rate	Cases
2008	1.09	2	1.84*	185*	3.22*	9,795*
2007	0.0	0	2.24*	226*	4.26*	12,859*
2006	0.0	0	2.18	221	4.61	13,779
2005	1.09	2	2.43	246	4.82	14,097
2004	0.64	1	2.74	273	5.17	14,517

*2007 & 2008 provisional cases/ rates for Michigan and United States are obtained from the MMWR for week ending December 31, 2008. 2004-2006 cases/rates for Michigan and United States are obtained from the MMWR Summaries of Notifiable Diseases, United States 2004, 2005, 2006.

Incidence rates are per 100,000 population.

Population estimates: Population Division, U.S.Census, 7-1-07.

Communicable Disease Trends and Information

Donald W. Lawrenchuk, MD, MPH, Medical Director

The Livingston County Department of Public Health investigates reportable diseases in our area and provides client education and follow-up as indicated. This chart reveals some trends in selected data from a longer list of reportable diseases. Notable findings include:

- A significant decrease in certain vaccine-preventable diseases, such as chickenpox. This is most likely the direct result of local countywide efforts of health care providers to achieve relatively high immunization rates for these diseases.
- A persistence of other vaccine-preventable diseases, such as pertussis (whooping cough). Health care providers are encouraged to routinely review their patients' immunization records against the current standards to ensure optimal protection against these diseases.
- A significant increase in the sexually transmitted disease, chlamydia, following three years of decline. This countywide increase mirrors statewide and nationwide increases in this disease as well.

Health care providers play a key role in public health efforts to control communicable diseases in our area. Prompt reporting to the health department enables appropriate follow-up to prevent the transmission of serious communicable diseases.

Communicable Disease Reporting in Livingston County

	2004	2005	2006	2007	2008
Chlamydia	183	146	146	142	173
Gonorrhea	19	19	24	22	18
Chickenpox	83	85	141	185	97
Hepatitis A	1	1	1	2	2
Hepatitis B, acute	1	1	0	2	3
Hepatitis C, acute	0	1	1	2	2
Hepatitis C, chronic	46	86	98	92	75
Meningitis aseptic/viral	20	33	21	19	30
Meningococcal Disease	0	1	0	1	1
Pertussis	2	16	7	10	6
Tuberculosis	1	1	0	0	2
Campylobacter	14	17	14	10	11
E. Coli 0157:H7	2	4	0	2	5
Giardiasis	4	11	11	7	7
Salmonellosis	14	31	15	9	15
Shigellosis	2	1	4	1	2

To make a report, or to consult with us during routine business hours, please call (517)552 - 6882. During evening, weekend and holiday hours, call (517)546 - 9850.

Source: LCDPH Select CD Activity, 2004-2008

R. Cook, RN, BSN

Communicable Disease Supervisor