



# Livingston County

## Department of Public Health

### Communicable Disease Update

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## **Pandemic H1N1 Influenza: the Livingston County Response**

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The 2009 spring outbreak of Novel Influenza A H1N1 virus triggered a massive public/private collaboration of preventative efforts. Normal seasonal flu vaccine production was accelerated to allow H1N1 vaccine to be produced, tested and distributed in time for the 2009/10 flu season. Seasonal flu vaccine began arriving in August and was administered in extraordinary fashion by the private provider network.

Late July 2009, the CDC issued recommendations for the initial vaccination of the five H1N1 target groups. The first shipment of the H1N1 vaccine arrived in early October and was distributed initially to private providers, who really stepped up their operations to ensure that children, pregnant women and adults with chronic health conditions were vaccinated. EMS provided vaccinations to first responders, and St. Joseph Mercy Livingston (SJML) vaccinated their health care workers. The Livingston County Department of Public Health (LCDPH) started administering the H1N1 vaccine at the end of October as supplies of the vaccine increased. The LCDPH response included: allocation and distribution of the vaccine to 60 participating providers; surveillance of the H1N1 disease; provision of anti-viral medication to residents as indicated; and vaccination clinics at the health department and in the schools.

The Health Department utilized nurses from our Public Health Volunteer Response Team (PHVRT) to provide the vaccine in the clinics held at the health department and the school based clinics for middle and high school age students. The team was formed in 2005 and over 200 participating nurses have been offered a variety of training sessions over the past few years in preparation for an emergency response such as this. PHVRT members also staffed our H1N1 hotline, answering questions and scheduling appointments.

The following MCIR data as of 4/21/2010 provides a brief picture of these H1N1 efforts and should be applauded. These numbers will continue to change as more doses are entered into MCIR.

### **Total number of doses administered by providers in our county: 22,111**

- LCDPH: 10,409
- 60 H1N1 vaccine providers (i.e., Physicians, SJML, EMS and Pharmacies): 11,702

## TB Cases 2005–2009 Livingston County, Michigan & the United States

Year	Livingston County		Michigan		United States	
	Rate	Cases	Rate	Cases	Rate	Cases
2009	0.55	1	1.14*	144*	3.8*	11,540*
2008	1.09	2	1.84*	188*	4.2*	12,905*
2007	0.0	0	2.24	226	4.26	13,299
2006	0.0	0	2.18	221	4.61	13,779
2005	1.09	2	2.43	246	4.82	14,097

\*2008 & 2009 provisional cases/ rates for Michigan and United States - obtained from the MMWR for week ending March 19, 2010. 2005-2007 cases/rates for Michigan and United States are obtained from the MMWR Summary of Notifiable Diseases, United States for 2005, 2006, 2007.

Incidence rates are per 100,000 population.

Population estimates: Population Division, U.S.Census, July, 2007.

## Communicable Disease Trends

Donald W. Lawrenchuk, MD, MPH, Medical Director

LCDPH monitors and investigates reportable diseases in our community and provides client education and follow-up as indicated. This chart reveals some trends in selected conditions from a longer list of reportable diseases.

	2005	2006	2007	2008	2009
Chlamydia	146	146	142	173	203
Gonorrhea	19	25	22	18	26
Chickenpox	85	141	185	97	73
Hepatitis A	1	1	2	2	0
Hepatitis B, acute	1	1	2	2	0
Hepatitis C, acute	1	1	2	2	2
Hepatitis C, chronic	86	98	93	75	77
Meningitis aseptic/viral	33	21	19	30	19
Meningococcal Disease	1	0	1	1	0
Pertussis	16	7	10	6	65
Tuberculosis	2	0	0	2	1
Campylobacter	17	14	10	11	16
E. Coli 0157:H7	4	0	2	5	2
Giardiasis	11	11	7	7	11
Salmonellosis	31	15	9	15	17
Shigellosis	1	4	1	2	1

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, 2005-2009  
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