

# COMMUNICABLE DISEASE NEWS

Fall, 2006

Ted Westmeier, RS, MPH, Director/Health Officer

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Donald W. Lawrenchuk, MD, MPH, Medical Director

## Influenza 2006-2007

Donald W. Lawrenchuk, MD, MPH, Medical Director  
Sue Worek, BSN, Immunizations Supervisor

As the season for vaccinating against influenza virus approaches, it is important to note several changes and updates in the CDC recommendations. Highlights of the changes and updates are:

- ACIP recommends that all healthy children aged 6 -59 months receive annual vaccination. This is an expansion of last year's recommendations to vaccinate children 6-23 months.
- Household contacts and out-of-home caregivers for children 0-59 months should be vaccinated. It is especially important to vaccinate all household members and caregivers of infants less than 6 months old as those infants are too young to receive vaccine and are at high risk of complications should they get the influenza virus.
- ACIP emphasizes that all children under 9 years old who have not been previously vaccinated at any time with either live, attenuated influenza vaccine (LAIV) or trivalent inactivated influenza vaccine (TIV) should receive 2 doses of vaccine. If a child under 9 years received a first dose in a previous season but did not receive the second dose within the same season, only 1 dose of vaccine should be administered this season.
- ACIP recommends that neither amantadine nor rimantidine be used for the treatment or the chemoprophylaxis of influenza A in the United States because recent data indicates widespread resistance of influenza A virus to these medications. Oseltamivir or zanamivir may be prescribed.
- The 2006-2007 trivalent vaccine virus strains are A/New Caledonia/20/1999 (H1N1)-like, A/Wisconsin/67/2005 (H3N2)-like, and B/Malaysia/2506/2004-like antigens.

Providers are encouraged to enter all influenza vaccine dates for their patients into the Michigan Care Improvement Registry (MCIR). This will assist tracking children who need a second dose this season. The recall feature of MCIR will allow you to contact those patients due for a booster dose and will assure providers have the accurate immunization documentation for next season. Camera ready copies of the Influenza Vaccine Information Sheet (VIS) are available by contacting the Livingston County Department of Public Health at 517-546-9850, or online at the MDCH website at *(continued on page 2)*

### In This Issue

Influenza 2006 - 2007	Page 1
Health Care Professionals CD Rules Summary	Page 2
D1REPLAY 2 Regional Exercise Notes	Page 2
Immunization Updates	Page 3
Flu Sentinels Needed	Page 3
Select CD Activity in Livingston County	Page 4

## Influenza 2006-2007 *(continued from page 1)*

[www.michigan.gov/mdch/0,1607,7-132-2942\\_4911\\_4914--,00.html](http://www.michigan.gov/mdch/0,1607,7-132-2942_4911_4914--,00.html) .

At the current time, influenza vaccine manufacturers are projecting that approximately 100 million doses of influenza vaccine will be available in the U.S. for use during the 2006-07 influenza season. This represents approximately 16% more doses than were available for the 2005-06 season. Much of the influenza vaccine was pre-booked early this year. Providers should contact distributors and local vendors about remaining supply.

Additional information regarding the influenza vaccine program and planned clinics can be obtained at the Livingston County Department of Public Health website at [www.lchd.org](http://www.lchd.org) or by calling (517)546-9850 to access the Flu Hotline.

## Healthcare Professional's Guide to the Michigan Communicable Disease Rules

Rebecca Cook, BSN, CD Supervisor

The Michigan Department of Community Health recently updated a guide for healthcare professionals that summarizes the Michigan Communicable Disease Rules. Updated topics include: new reportable diseases such as West Nile Virus, SARS, CJD, and orthopox viruses among others; the use of the Michigan Disease Surveillance System, Michigan's web based reporting system; the change in required reporting time for most diseases to within 24 hours after discovery or diagnosis; and a clarification of the role of HIPPA in public health disease reporting.

The new guide was published in late July, 2006 and sent to all local health departments for distribution to their communities; go to [www.michigan.gov/documents/hlth\\_care\\_prof\\_guide\\_167371\\_7.pdf](http://www.michigan.gov/documents/hlth_care_prof_guide_167371_7.pdf)

## Do-One-Thing Update

This twelve month preparedness program focuses on a different area of emergency preparedness each month, and provides a range of preparedness options for each topic. The goal of Do 1 Thing is to improve community disaster resiliency by moving individuals through the process of disaster preparedness: from awareness to intention to action. Individuals are encouraged to take one step each month in a specific area of preparedness. To view the latest topics, go to [www.do1thing.us](http://www.do1thing.us)

## D1REPLAY 2 Regional Exercise Notes

Don Hayduk, MS, RS,  
PEM, EP Coordinator

July 25- 28<sup>th</sup> witnessed the largest full scale exercise ever in Region 1, encompassing the 9 counties of Hillsdale, Lenawee, Jackson, Ingham, Eaton, Clinton, Gratiot, Shiawassee, and Livingston. All 9 local Public Health Departments, 12 hospitals, 15 EMS agencies, and 10 Emergency Management Departments participated throughout the week as a simulated public health bio-terrorist event unfolded.

Functions that were identified as needing additional attention in the future include:

1. Additional outreach efforts to local physicians, elderly care institutions, and the general public concerning immediate and emerging communicable disease issues.
2. Continued emphasis upon communications upgrades, including additional 800 Mhz radio capability across all emergency responding entities and redundant HAM radio infrastructure.
3. Increased recruitment and organization of public health and healthcare volunteers, both professional and general staff.

## Immunization Updates, Fall 2006

Sue Worek, RN, Immunization Supervisor

### School requirements:

- There are no new requirements for the 2006/2007 academic year for schools (K-12).
- Beginning January 1, 2007, pneumococcal conjugate (Pneumovax®) vaccination will be required for children 2 months through 4 years of age who attend preschools, Head Start, or licensed childcare programs.

### New Vaccines:

- **Tdap** (Adacel® and Boostrix®) is a single dose pertussis, tetanus, and diphtheria combination vaccine recommended for use with adolescents ages 11-18 years in place of a Td (tetanus-diphtheria) vaccine.
- **Rotavirus** vaccine (RotaTeq®) is recommended for infants aged 6 weeks to 32 weeks of age. The vaccine is a live vaccine, given orally, in a three (3) dose series at age 2, 4, and 6 months. Rotavirus is a virus that causes severe diarrhea, mostly in babies and young children. It is often accompanied by vomiting and fever.
- **MMRV** (ProQuad®), a combined measles, mumps, rubella, and varicella vaccine has been approved for use for both the first and second doses for MMR/Varicella vaccination.
- **Gardasil®** is a newly licensed vaccine designed to protect against human papillomavirus (HPV). The vaccine is highly effective against four types of the HPV virus, including two that cause about 70 percent of cervical cancers. It is the first vaccine developed to prevent cervical cancer, precancerous genital lesions, and genital warts due to HPV. The vaccine is licensed for girls and women ages 9 through 26 years. It is a three dose series recommended to be given to girls when they are 11-12 years old.
- **Zostavax®** is a new vaccine developed to help prevent herpes zoster (shingles) in individuals 60 years and older.

### Changes with current vaccines:

- Hepatitis A vaccine is now recommended for all children 1 year of age (12 through 23 months). In Michigan, children ages 2-18 should also receive the vaccine if they have certain high risk conditions.
- Menactra® (meningococcal conjugate) vaccine for the prevention of 4 types of meningitis has been in limited supply this year due to high demand and the recommendation made in 2005 to vaccinate adolescents 11-12 years old in addition to college and high school entrants. In May of 2006, the CDC recommended deferring the vaccination of the 11-12 year old age group until the supply increases. It is anticipated that the restriction will be lifted in the near future.
- The ACIP (Advisory Committee on Immunization Practices) has voted to recommend a second dose of Varicella vaccine at age 4-6 years. At the current time, no change has been made in the Michigan Administrative Rules to require the second dose for entry into school. The State will be reviewing the recommendation for future school years.

## Flu Sentinels Needed, Rebecca Cook, RN, BSN

Have you considered participating in the MDCH and CDC influenza sentinel provider system? Data from the sentinel providers are used to monitor the impact of influenza and guide prevention and control activities. Helpful tips for integrating sentinel surveillance into your practice are available. Data collection activities take less than 30 minutes per week. To participate, contact Rachel Potter at MDCH (517) 335-9710 or [PotterR@michigan.gov](mailto:PotterR@michigan.gov)

## Michigan Disease Surveillance System (MDSS) Training

**Michigan Disease Surveillance System (MDSS)** is a web-based communicable disease reporting system developed for the state of Michigan which addresses needs in many areas of:

- traditional disease surveillance,
- emergent infectious diseases and
- biological terrorism

### Benefits of MDSS over Current Surveillance?

- Fulfills physician reporting requirement under the Michigan Communicable Disease Rules (PA 368, MCL 333.5111).
- Single point-of-access for reporting all communicable diseases.
- Communicable disease reports are automatically routed to the correct local health department for follow-up – no need to know health department phone or fax numbers.
- Physicians will have access to all case follow-up information for cases they report through MDSS.

### Training

The Livingston County Department of Public Health will facilitate training for office staff who will be assigned to do the data entry for MDSS. Susan Bohm, our regional Epidemiologist, will conduct the training. **Fax back registration form is on reverse side.**

### Who should attend:

2 staff members who will be assigned to enter MDSS data and have access to the office Internet **and** a work email address.

**When:** Friday, October 27, 2006 9:00 AM - noon

**Where:** Livingston Educational Service Agency  
Computer Lab  
1425 West Grand River  
Howell, MI 48843

**Register by:** October 13, 2006

**Questions:** Rebecca Cook, CD Supervisor  
(517) 552-6808

**MDSS Training for Physicians' Offices  
October 27, 2006**

## Registration Form

Name of Practice: \_\_\_\_\_

Address: \_\_\_\_\_

City/Zip: \_\_\_\_\_

1. Staff Name: \_\_\_\_\_

Work E Mail Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

2. Staff Name: \_\_\_\_\_

Work E Mail Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

**Please fax completed form to (517) 545 – 9685 by October 13, 2006**

**Attention:** Rebecca Cook  
CD Supervisor  
Livingston County Department of Public Health  
2300 East Grand River, Suite 102  
Howell, MI 48843  
(517) 552-6808



2300 E. Grand River Avenue, Suite 102  
 Howell, MI 48843-7578  
 Phone (517) 546-9850  
 Fax (517) 546-6995  
 www.lchd.org

⇒ Influenza Vaccine 2006 Update ⇒ Health Care Professionals CD Rules Summary ⇒  
 ⇒ Lessons Learned from EP Exercise ⇒ Immunization Updates ⇒ Select CD Activity ⇒

## Select CD Activity

Please note the change in the CD Activity Chart. It has been revised to focus on CD activity of greatest concern.

Communicable Disease	Livingston County Cases		State of Michigan Cases	
	YTD 2006*	YTD 2005*	YTD 2006*	YTD 2005*
<b>STD</b>				
Chlamydia	97	103	22,320**	19,566
Gonorrhea	18	9	8,869 **	8,206
<b>Communicable Disease</b>				
Chickenpox	93	36	3,017	2,426
Hepatitis A	0	1	76	75
Hepatitis B	0	1	121	118
Hepatitis C acute	0	1	205	68
Hepatitis C chronic	74	49	4,913	4,162
Meningitis aseptic/viral	9	12	661	668
Meningitis bacterial	1	2	90	91
Pertussis	2	14	321	193
Tuberculosis	0	1	108	133
<b>Select Enteric CD Activity</b>				
Campylobacter	7	13	568	597
E coli	0	1	51	60
Giardiasis	9	8	422	535
Salmonellosis	8	22	680	645
Shigellosis	4	1	116	160

\* As of 8-31-06  
 \*\* Incomplete data

Rebecca Cook, RN, Communicable Disease Supervisor

## MDSS Training for Physicians' Offices

October 27, 2006  
 9 AM - Noon

See enclosed registration form

## CD Newsletter Team

Dr. Donald Lawrenchuk, Medical Director  
 Elaine Brown, PPHS Director  
 Rebecca Cook, CD Supervisor  
 Sue Worek, Immunization Supervisor  
 Jennifer Lavelle, Health Education Supervisor  
 Kimberly White, Executive Secretary  
 Lucy Sikora, Communicable Disease Clerk