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## Laboratory Influenza Page



### Flu Vaccine: For Everyone, Every Year

For this Influenza Season, the MDCH Bureau of Laboratories will be performing testing for all flu strains which include 2009 A H1, seasonal flu A types and Flu B. In addition, MDCH continues to highly encourage confirmatory influenza testing for cases of public health interest (ICU hospitalizations, severely ill pregnant women, patients with unusual and severe presentations, deaths) and for congregate setting outbreak/cluster investigations. The Michigan Department of Community Health (MDCH) is reminding laboratories to please submit all rapid positive flu for confirmation.

Please note the approved specimen types for Flu PCR analysis have been expanded to include all of the following:

- Upper respiratory tract specimens such as nasopharyngeal swabs (NP), nasal swabs (NS), throat swabs (TS), dual NP/TS swabs, nasal washes (NW), and nasal aspirates (NA)
- Lower respiratory tract specimens such as bronchoalveolar lavage (BAL), bronchial washes (BW), tracheal aspirates (TA), sputum, lung tissue, and viral culture

For the most current updates, see the latest [MIFluFocus report](#) . For the latest information on the outbreak, see the [MDCH Influenza Page](#) .

[Interim Influenza Surveillance, Reporting and Testing Guidance for Laboratories for Swine Influenza A \(H3N2v\)](#) - added 8/16/2012

[2012-2013 Influenza Test Algorithm](#) - added 9/5/2012

[2012-2013 Influenza PCR Result Interpretation Table](#) - added 9/6/2012

[2012-2013 Antiviral Resistance Information](#) - added 9/5/2012

**Missed the September 11, 2012 Clinical Partner's Influenza Call?**  
We recorded it! The [recording](#) is approximately 21 minutes long.

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## 2012-2013 Influenza Season Report

### MDCH Laboratory Data

The data shown here are the results obtained by the MDCH Virology Laboratory from specimens for targeted public health testing plus surveillance testing through the Michigan Sentinel Physician and Sentinel Laboratory Programs. The Sentinel Physician Program consists of medical provider sites from a variety of geographic locations throughout Michigan enrolled in the sentinel surveillance program. These providers represent private practice for adult and pediatric patients, as well as urgent and emergency care facilities, nursing homes and university health services. Michigan is now conducting routine influenza surveillance year round. Thus, MDCH requests submission of two to three specimens for influenza A and B viral culture four times during the year: early influenza season, when influenza virus is beginning to circulate; middle season, during the peak of influenza activity; late season, as influenza activity diminishes; and in the summer months. Participation in this program is voluntary.

The influenza season runs from October through the end of September each year.

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Time	Inf. B	2009 A, H1	Seasonal A, H1	Seasonal A, H3	Variant A, (H3N2v)	Adeno	RSV	Para 1	Para 2	Para 3
Sept 22 - Sept 28	0	0	0	1	0	0	0	0	0	0
Sept 15 - Sept 21	0	0	0	0	0	0	0	0	0	0
Sept 8 - Sept 14	0	2	0	0	0	0	0	0	0	0
Sept 1 - Sept 7	0	0	0	0	0	0	0	0	0	0
Aug 25 - Aug 31	0	1	0	0	1	0	0	0	0	0
Aug 18 - Aug 24	0	1	0	0	0	0	0	0	0	0
Aug 11 - Aug 17	0	1	0	0	0	0	0	0	0	0
Aug 4 - Aug 10	0	0	0	0	0	0	0	0	0	0
July 28 - Aug 3	0	0	0	0	0	0	0	0	0	0
July 21 - July 27	0	0	0	0	0	0	0	0	0	0
July 14 - July 20	0	0	0	0	0	0	0	0	0	0
July 7 - July 13	0	0	0	0	0	0	0	0	0	0
June 30-July 6	0	0	0	0	0	0	0	0	0	0
June 23-29	0	0	0	0	0	0	0	0	0	0
June 16-22	0	0	0	0	0	0	0	0	0	0
June 9 - June 15	0	0	0	0	0	0	0	0	0	0
June 2 - June 8	0	0	0	0	0	0	0	0	0	0
May 26- June 1	1	0	0	0	0	0	0	0	0	0
May 19 - May 25	0	1	0	0	0	0	0	0	0	0
May 12 - May 18	0	0	0	0	0	0	0	0	0	0
May 5 - May 11	0	0	0	0	0	0	0	0	0	0
Apr 28 - May 4	1	2	0	0	0	0	0	0	0	0
April 2013	13	12	0	6	0	0	0	0	0	0
Mar 2013	17	6	0	6	0	0	0	0	0	0
Feb 2013	21	6	0	31	0	0	0	0	0	0
Jan 2013	40	3	0	231	0	0	0	0	0	0
Dec 2012	40	5	0	206	0	0	0	0	0	0
Nov 2012	4	1	1	17	0	0	0	0	0	0
October 2012	9	1	0	3	0	0	0	0	0	0

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### 2012-2013 Guidance Documents

[2012-2013 Influenza Test Algorithm](#) - added 9/5/2012

[2012-2013 Influenza PCR Result Interpretation Table](#) - added 9/6/2012

[2012-2013 Antiviral Resistance Information](#) - added 9/5/2012

[2012-2013 Influenza Guidance for Local Health Departments](#) - added 9/28/2012

[2012-2013 Influenza Guidance for Healthcare Providers](#) - added 9/28/2012

[2012-2013 Influenza Guidance for Laboratories](#) - added 9/28/2012

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### 2012-2013 Northern Hemisphere Seasonal Influenza Vaccine Components

A/California/7/2009 (H1N1) pdm09-like virus

A/Victoria/361/2011 (H3N2) - like virus

B/Wisconsin/1/2010 - like virus

### 2013-2014 Northern Hemisphere Seasonal Influenza Vaccine Components

A/California/7/2009 (H1N1) pdm09-like virus

An A(H3N2) virus antigenically like the cell-propagated prototype virus A/Victoria/361/2011

B/Massachusetts/2/2012-like virus

Quadrivalent vaccines will also contain: B/Brisbane/60/2008-like virus

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### Antiviral Resistance Testing

[2012-2013 Antiviral Resistance Information](#) - added 9/5/2012

[2011-2012 Influenza Antiviral Resistance Testing Information](#) - updated 10/28/2011

### Test Request Form

[MDCH Test Request Form](#) - 4/27/2009

[Quick Guide for Filling Out the MDCH Test Request Form](#) - updated 11/1/2011

### Specimen Collection and Shipping

#### Approved specimen types for influenza testing at the MDCH BOL:

- Upper respiratory tract specimens such as nasopharyngeal swabs (NP), nasal swabs (NS), throat swabs (TS), dual NP/TS swabs, nasal washes (NW), and nasal aspirates (NA)
- Lower respiratory tract specimens such as bronchoalveolar lavage (BAL), bronchial washes (BW), tracheal aspirates (TA), sputum (PCR only), lung tissue, and viral culture

[Quick Guide for Packaging and Shipping Influenza Specimens to BOL](#) - updated 9/15/2009

[Quick Guide for Making Influenza Specimen Collection Kits](#) - updated 8/26/2009

[MDCH BOL Flu Collection Guide](#) - updated 11/16/2010

Biological Substance, Category B Shipping Label - [DCH-0800](#) - updated 12/21/2009

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### Influenza Resources

- [MiFluFocus](#) - A weekly influenza surveillance report that comes out Thursdays each week.
- [www.michigan.gov/flu](http://www.michigan.gov/flu) - A State of Michigan web site dedicated to influenza (flu).
- [www.michigan.gov/prepare](http://www.michigan.gov/prepare) - A State of Michigan web site dedicated to emergency preparedness.
- [www.pandemicflu.gov](http://www.pandemicflu.gov) - The National Influenza Preparedness web site.
- [Laboratory Biosafety Guidelines](#) - These biosafety guidelines have been developed for Michigan laboratories handling and processing specimens associated with influenza.
- [CDC Guidelines for Follow-up of Contacts of Persons with Suspected Avian Influenza \(H5N1\)](#) - updated 11/25/2008
- [CDC Guidelines for Lab Testing of Persons with Suspected Avian Influenza \(H5N1\)](#) - updated 11/25/2008
- To expedite receipt of laboratory results, we urge all submitters to register for fax transmittal of reports. Fax agencies receive their reports the day testing is completed. This is especially important for those submitting specimens for H5 PCR testing. Non-fax agencies receive reports via the U.S. Post Office. This method will delay your report by several days. [Registration information.](#)

#### National influenza surveillance summary information:

- [CDC Weekly Influenza Surveillance page.](#)
- [The CDC Influenza page.](#)
- [The World Health Organization](#)

### Past Influenza Season Data

[Influenza season report for the 2011-2012 season](#)  
[Influenza season report for the 2010-2011 season](#)  
[Influenza season report for the 2009-2010 season](#)  
[Influenza season report for the 2008-2009 season](#)  
[Summary of 2007/2008 Influenza Season report](#)  
[Summary of 2006/2007 Influenza Season report](#)  
[Summary of 2005/2006 Influenza Season report](#)  
[Influenza season report for the 2007-2008 season](#)  
[Influenza season report for the 2006-2007 season](#)  
[Influenza season report for the 2005-2006 season](#)  
[Influenza season report for the 2004-2005 season](#)  
[Influenza season report for the 2003-2004 season](#)  
[Influenza season report for the 2002-2003 season](#)

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