Massachusetts Immunization Information System (MIIS): Coming Soon to an Office Near You!

October 11, 2012

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Disclosure

I, Carly Coppola/Tseli Mohammed, have been asked to disclose any relevant relationships with commercial entities that are either providing financial support for this program or whose products or services are mentioned during my presentations. I have no relevant relationships to disclose.
Overview

- Benefits of the MIIS
- Legal Responsibilities
- MIIS Functionality
- Demonstration – MIIS 3.0
- Statewide Roll Out
- Current Utilization
- Process for Coming on Board
- Resources
Benefits of the MIIS

• Secure, confidential, web-based system
• Lifespan registry that supports a complete set of immunization-related functions
  ▫ Helps identify pockets of unimmunized and under-immunized children and adults
  ▫ Assists providers with clinical decision making
  ▫ Provides infrastructure for tracking essential information during natural disasters, bioterrorism events, influenza pandemics and other infectious disease emergencies
• Will track approximately 3.2 million doses of vaccine distributed by MDPH annually
For a Single Patient...

Vital Records Feed

Pediatric Records

School and/or College

Current Provider

Local Pharmacy

MIIS
MIIS Legislation

• June 2010, legislation passed charging MDPH to establish an immunization registry (M.G.L. c. 111, s.24M)

• The law provides the legal framework:
  ▫ Mandatory reporting by all healthcare providers that administer immunizations
  ▫ Access: Providers, Schools, Local Health Departments, WIC, other state agencies' programs involved with education and outreach about immunizations
  ▫ Confidentiality Protections
  ▫ Vital Records Data Feed
Legal Responsibilities

• **Provider’s Duty to Inform:**

  “Licensed health care providers administering vaccinations shall **discuss the reporting procedures of the immunization registry** with the persons receiving vaccinations and their parents or guardians, when appropriate, and advise them of their **right to object to the disclosure of such information**.”

• **Patient’s Right to Object to Data Sharing across providers, i.e. **not ‘opt in/opt out’**
Current Functionality

• Consolidates immunization information
• Search for a patient new to practice
• Look up immunization forecasts
• Run reminder/recall reports
• Print forms for school/camp
• Uni-directional data exchange, i.e. EHR → MIIS
MIIS 3.0 – New Functionality

• Coming early 2013
• Vaccine Management Module
  ▫ Online Vaccine Ordering
  ▫ Online Annual Enrollment
  ▫ Inventory tracking & automatic decrementing
• Advanced patient matching algorithm
• New design – more user friendly & intuitive
MIIS 3.0 – Opening Menu(s)
Immunization Registry

Welcome to the Massachusetts Immunization Information System.

Immunization registries are part of a national and statewide effort to increase childhood immunization rates. Immunization registries, which collect and consolidate records of vaccinations from multiple health care providers, are required by the Centers for Disease Control and Prevention (CDC) to:

- assist providers with ensuring that patients are up-to-date with their immunizations;
- identify unimmunized and under-immunized children; and
- provide the infrastructure needed for tracking essential information during natural disasters, influenza pandemics, bioterrorist events and other infectious disease emergencies.

Known Issues

Alerts

No Alerts at this time
MIIS 3.0 – Vaccine Management

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Known issues

Alerts

Test Test
ABC2: ABCABCdef

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There are vaccines that will expire in 60 days or less. If your practice is unable to use this vaccine in the next two months, please contact the Vaccine Unit or consider transferring this vaccine to another practice.

<table>
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<th>Vaccine</th>
<th>Trade Name</th>
<th>Inventory Type</th>
<th>NDC</th>
<th>Lot #</th>
<th>Expiration Date</th>
<th>Expiration Status</th>
<th>Current Doses</th>
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<td>Havrix-polv 2 Dose</td>
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<td>55160-0825-11</td>
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<tr>
<td>Varicella</td>
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<td>00006-4027-00</td>
<td>VA-4700P-V3</td>
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</table>

Note: If Shipping Address needs to be changed, please contact the Vaccine Unit at Phone Number.
Future Enhancements

- Vaccine Inventory Management – automated recall functionality
- Refrigerator/Freezer temperature tracking
- Wider array of reports
- Roster upload
- Bi-directional data exchange (query and response), i.e. EHR $\Leftrightarrow$ MIIS
Statewide Roll Out

• **Current:**
  - Providers that regularly order state supplied vaccine
  - Pediatric Providers
  - Large Provider Networks
  - Community Health Centers

• **2013:**
  - All of the above
  - Pharmacies
  - Local Boards of Health

• **Paper-Based Sites:** ready to bring more on board
• **EHR Sites:** Depends on technical readiness
“Live” Sites in MIIS: 46
Current Utilization: Stats as of 10.1.2012

- # of patient records: **489,605**
- # of immunizations: **2,055,273**
- # of provider sites: **46 (8 Paper-based + 38 EHR)**
- **EHR vendors currently reporting data:**
  - athenahealth
- **Other EHR vendors actively working with:**
  - EPIC
  - Meditech
  - Medent
  - Cerner
  - Allscripts
  - E-clinical Works
‘Meaningful Use’ and the MIIS

• Electronic data exchange with the MIIS meets the public health objective for ‘Meaningful Use’ of EHRs
  ▫ MA providers and hospitals are eligible for thousands to millions of dollars through federal reimbursements by CMS under the HITECH Act of 2009
  ▫ Will help the MIIS roll out by populating the system with a lot of data quickly
  ▫ MIIS is available for EHRs to send test messages for providers to meet Meaningful Use Stage 1

• For more information on MU and the MIIS visit the ContactMIIS Resource Center’s EHR Integration page: www.contactmiis.info/ehrIntegration.asp
Coming on Board with the MIIS

• **EHR Integration**
  ▫ HL7 2.5.1 message creation, testing and transport to MIIS

• **Clinical Integration**
  ▫ Identify Clinical Champion(s) for coordination
  ▫ Complete Registration – site and identified user(s)
  ▫ Develop plan for informing patients & changing data sharing
  ▫ Train users

• **“Go-live” with the MIIS**
  ▫ Conduct data quality checks
  ▫ Implement workflows for informing patients and changing data sharing
  ▫ Receive ongoing support from the MIIS user support team
Registration for MIIS

• Registration completed through the ContactMIIS Resource Center – www.contactmiis.info

• Sites that order state supplied vaccine need to register by **November 1st**.
  ▫ VFC enrollment will begin in December and will remain a separate paper enrollment process for this coming year.

• Visit the MIIS Table for more information and registration assistance
Plan for Informing Patients

• Each patient* receiving an immunization must be informed about the MIIS

• MDPH has developed tools to help:
  ▫ MIIS Fact Sheet for Parents and Patients
  ▫ MIIS Posters in registration areas
  ▫ Sample emails/letters from your practice
  ▫ MIIS Sample Language for office registration forms and new patient materials
  ▫ Translated materials available

*Parents/Guardians if patient is under 18 year of age
Plan for Changing Data Sharing

• Each patient* has the right to object to sharing their immunization across providers
• Objection (or Withdrawal of Objection) Form
  ▫ Patient* completes and signs form
  ▫ Provider completes form and changes patient’s Data Sharing Status in the MIIS
  ▫ Provider submits copy of completed form to MIIS and files in patient’s record

• Translated forms available

*Parents/Guardians if patient is under 18 year of age
MIIS Training

- **Multiple options for user training:**
  - In-person regional trainings – Coming early 2013!
  - Train-the-trainer approach
  - Self-paced Training - Training Library on ContactMIIS Resource Center
    - Online Video Training Modules (CME)
    - Webinar with live demo of MIIS
    - Quick User Guides
    - MIIS User Manual
    - Online Help and Support tickets
Learn more about the MIIS

• Visit the MIAP MIIS Table today!
• Contact MIIS Resource Center:  [www.contactmiis.info](http://www.contactmiis.info)
• MDPH Immunization Program:  [www.mass.gov/dph/miis](http://www.mass.gov/dph/miis)
• Questions:
  ▫ Email:  [miishelpdesk@state.ma.us](mailto:miishelpdesk@state.ma.us)
  ▫ Phone:  617-983-4335
  ▫ Fax:  617-983-4301