MASSACHUSETTS
IMMUNIZATION INFORMATION SYSTEM

MIIS: What You Need to Know

2018 Massachusetts Adult Immunization Conference
Disclosure

I, Julia Monturo Larson, have been asked to disclose any significant relationships with commercial entities that are either providing financial support for this program or whose products or services are mentioned during this presentation.

I have no relationships to disclose.

I may discuss the use of vaccines in a manner not approved by the U.S. Food and Drug Administration, but in accordance with ACIP recommendations.
Agenda

- Overview of the MIIS
- Legislation & Regulations
- Registration
- Data Sharing
- MIIS Onboarding Process
- Meaningful Use Stage 3
# Overview of the MIIS

- Secure, confidential web-based system
- Consolidates immunization records over lifespan
- Assists providers with clinical decisions
- Includes practice management tools
- Hosts essential information for public health emergencies
Massachusetts Immunization Information System

**Immunization Registry**
- Immunization Records
- Immunization Forecasts
- Add/Edit Immunizations
- Certificates & Reports

**Vaccine Management**
- Annual Enrollment
- Vaccine Ordering
- Inventory Management
- Reports
Legislation (2010)

- Mandatory reporting of all immunizations administered in MA
- Provider’s duty to inform patients about the MIIS and patient’s right to object to data sharing
- State registry of vital statistics transmits immunization information regarding immunizations administered to a newborn
- Accessible by healthcare professionals that administer immunizations, schools, LBOH, WIC, and other state programs involved in immunizations
Regulations (2015)

- Set out required information to be transmitted with historical vaccinations and current vaccinations
- System access and confidentiality, provider registration, research requests
- Patient access to records, requests to amend records
- Provider’s duty to inform patients about the MIIS and patient’s right to object to data sharing
- Compliance schedule ended in June 2016 – all providers in MA should be reporting
January 2018

2011
Total Sites: 9
Total Patients: 3,902
Total Shots: 69,505

2013
Total Sites: 341
Total Patients: 1,539,629
Total Shots: 7,303,293

2015
Total Sites: 1,121
Total Patients: 4,427,623
Total Shots: 33,334,571

Adult Immunization Conference 2018

Total Shots
6,336,174*
2,241*
47,786,559*
MIIS Immunization Data by Provider Type

- Internal Medicine: 4%
- Commercial Pharmacy: 5%
- Family Practice: 5%
- Hospital: 8%
- Community Health Center: 15%
- Pediatric: 15%
- Multi-Specialty: 20%
SIGN UP
Welcome to the MIIS Resource Center

The Massachusetts Department of Public Health (MDPH) Immunization Program is committed to promoting the health of Massachusetts’ citizens by reducing the burden of vaccine preventable diseases that affect residents of the Commonwealth. As part of this effort, the MDPH Immunization Program has launched the Massachusetts Immunization Information System (MIIS), a web-based immunization registry and vaccine management system. The MIIS is in the process of being rolled-out to healthcare providers statewide, and once fully implemented, will be the official source of immunization information for Massachusetts. The goal of the MIIS is to consolidate patient immunization information to create secure, accurate and easily accessible immunization records to healthcare providers across the Commonwealth, who can then share them with patients and families. The MIIS also helps ensure vaccines administered in Massachusetts are based on the latest immunization recommendations.

The ContactMIIS Resource Center is a platform designed to share the most current information, materials and resources related to the roll-out of the MIIS with healthcare providers, families and individuals.

The MIIS is designed to serve the needs of electronic health record (EHR) users through electronic data exchange and can also support the needs of non-EHR users through direct data entry. Please see the MIIS Provider Flyer (PDF) or RTF for an overview of MIIS features and more information about utilizing the MIIS.
The Massachusetts Immunization Information System (MIIS) is hosted by the Executive Office of Health and Human Services Virtual Gateway (VG). To gain access to the MIIS, providers must complete registration for both the MIIS and the VG for the site, as well as individual users. We have integrated both registrations into one process, which can be completed online through this website.

Get Started. Please select the appropriate registration option below.

- Healthcare Providers
- Public Health Organizations
- Pharmacies
- Schools
- Medical Groups
- EHR Vendors
- 3rd Party Delivery Networks (IDNS)

Who should register using this option?
If you work in a Medical Organization use this option by selecting your type of organization below.
Note: If you represent more than one organization, register under Medical Group below.

- Register a Physician Office (Eligible Providers - EPs)
- Register a Hospital (Eligible Hospitals - EHzs and CAHzs)
<table>
<thead>
<tr>
<th>Site</th>
<th>Access Admin.</th>
<th>User</th>
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<tbody>
<tr>
<td>MIIS Site Agreement</td>
<td>MIIS User Agreement</td>
<td>MIIS User Agreement</td>
</tr>
<tr>
<td>VG Services Agreement</td>
<td>VG Access Administrator</td>
<td>X</td>
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</tbody>
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Duty to Inform and Data Sharing
Data Sharing Fast Facts

All administered immunizations are reported to the MIIS

Patients do not opt in or out of the MIIS

Providers have a duty to inform their patients about the MIIS

Patients may limit who can see their immunization data in the MIIS

Patients may object/withdraw a previous objection any number of times
Data Sharing Status = YES

eVitals birth information → PATIENT RECORD → school nurse (read only)

pharmacy → PATIENT RECORD → community health center

primary care provider
Data Sharing Status = **NO/Unknown**
Data Sharing Process

1. Complete objection/withdrawal form
2. Update data sharing status in MIIS
3. Fax completed form to MIIS Team
4. File completed form in patient record
Onboarding

Please select how your site intends to report data:

Electronic Data Exchange - your site intends to connect via an electronic medical record system.
Direct Data Entry - your site intends to manually enter immunization data through the web interface.

Onboarding with the MIIS can be broken down into 4 phases:

Below are the high-level steps for onboarding to submit immunization data to the MIIS. Please review our Onboarding Document for more information.
Phase 1. Preparation
- Complete Data Exchange Profile
- PreTesting: HL7 Message Validation
- On-boarding Invite - Not Invited

Phase 2. MIIS On-Boarding Project: Certification
- Technical Readiness
- Clinical Readiness

Phase 3. MIIS On-Boarding Project: Production
- Data Review

Phase 4. MIIS On-Boarding Project: Go Live
- Implement Clinical Workflow
- Quarterly Data Quality Review
Phase 1
Preparation

- Registration
- Data Exchange Profile
- HL7 Message Pre-testing Validation
- MIIS Onboarding Invitation
- Onboarding Kick-off Call

Phase 2
Technical & Clinical Integration

- Technical
  - EHR to MIIS Certification Environment
  - Data Review in Certification Environment
- Clinical
  - MIIS Materials and Clinical Workflow
  - Staff Training and Vaccine Manager Education
Connect to Cert. Environment
Cert. Data Review
Introducing the Massachusetts Immunization Information System

MIIS

Fact Sheet for Parents and Patients

The MIIS is a new statewide system to keep track of immunization records for you and your family. These records list the vaccinations (shots) you and your children get to protect against measles, chickenpox, tetanus, and other diseases. The goal is to make sure that everyone in Massachusetts is up-to-date with their shots and that your records are available when you need them — such as when your child enters school, when you need emergency medical help, or when you change healthcare providers.

What is the MIIS?
- A computerized system that collects and stores basic immunization information for people who live in Massachusetts.
- A secure and confidential system, as required by Massachusetts law.
- A system that is available for people of all ages, not just children.

How will it help me?
The MIIS:
- Helps you and your family get the best care whenever you go for your healthcare.
- Makes sure that you and your children don’t miss any shots or get too many.
- Can print a record for you or your children when you need it — even if you move, if your doctor changes, or if your child starts school or camp.

Why is this important?
As you know, the schedule of shots needed to keep healthy can be very complicated. The MIIS:
- Helps your healthcare provider keep track of which shots are due and when they should be given.
- Keeps all your immunization records together for your family, and your healthcare provider.
- Provides proof of vaccination for your children.
- Helps prevent outbreaks of disease like measles and the flu in your community.
- Keeps shot records safe during natural disasters such as flooding or hurricanes.

IMMUNIZATION REGISTRY NOTICE
You or your child’s shot information is being entered into the Massachusetts Immunization Information System (MIIS), as required by law. The MIIS is a confidential, statewide immunization tracking system. You can choose to restrict who may see your or your child’s shot information in the MIIS at any time. Please ask your healthcare provider for further information. Thank you.

AVISO SOBRE EL REGISTRO DE VACUNACIÓN
La información sobre sus vacunas o las de sus hijos está siendo almacenada, tal y como contempla la ley, en el Sistema de Información de Inmunización de Massachusetts (MIIS, por sus siglas en inglés). MIIS es un sistema confidencial que hace un seguimiento de los historiales de inmunización a nivel estatal. Usted tiene la opción de limitar quién tiene acceso a la información almacenada en MIIS sobre sus vacunas o las de sus hijos en cualquier momento. Consulte con su proveedor de salud si desea más información al respecto. Gracias.

Providers are required by law to report your immunizations to the MIIS (M.G.L. c. 111, Section 24M). For more information, please ask your healthcare provider; visit the MIIS website at www.mass.gov/dph/miis, or contact the Massachusetts Immunization Program directly at 617-983-5800 or 888-656-2850.

La ley exige a los proveedores de salud que reporten todas las inmunizaciones al MIIS (M.G.L. c. 111, Section 24M). Si desea más información, pídale a su proveedor de atención médica, visite nuestra página Web, www.mass.gov/dph/miis, o comuníquese directamente con el Programa de Vacunación de Massachusetts al número 617-983-5800 o al 888-656-2850.
ContactMIIS Resource Training Center

ContactMIIS Resource Training Center: www.contactmiis.info
## Core MIIS Functions

<table>
<thead>
<tr>
<th>Function</th>
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<tbody>
<tr>
<td>Search for a patient record</td>
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<tr>
<td>De-duplicate patient records and shots</td>
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<tr>
<td>Look up an immunization forecast</td>
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<tr>
<td>Manage a patient’s data sharing status</td>
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<tr>
<td>Run usage, coverage, and reminder/recall reports</td>
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<tr>
<td>Monitor data quality</td>
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<tr>
<td>Vaccine ordering and inventory management</td>
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Phase 3
Data Review

- EHR to MIIS Production
- Data Review in Production

Phase 4
Go-Live

- Workflow Implementation
- Quarterly Data Quality Review
- On-going User Management
DATA IN THE MIIS

- HL7 Validation
- CERT Data Quality
- PROD Data Quality
- GO LIVE
- Quarterly Data Review
Next Steps – Onboarding

Complete Registration

Read through MIIS Onboarding Document

Begin Onboarding Phases (Data Exchange)
MIIS Declaration Of Readiness

The Massachusetts Department of Public Health (MDPH) has declared that the MIIS has the capacity to support immunizing providers in qualifying for Centers for Medicare and Medicaid’s Electronic Health Record (EHR) Incentive Program to provide financial compensation for the “Meaningful Use” of certified EHR technology to achieve health and efficiency goals.
Stage 1 & 2

The MIIS is actively working with eligible professionals (EPs), eligible hospitals (EHs) and Critical Access Hospitals (CAH) to meet the required public health objectives of on-going submissions of electronic immunization data in order to qualify for Meaningful Use incentives.
Stage 3

- The ability to respond to bidirectional queries (QBP/RSP)
- The capacity to receive NDC codes

**Note:** an IIS may also opt to require CVX codes in parallel with NDC codes until full adoption of NDC codes has been completed

Providers using a LAND device are NOT eligible for MU Stage 3
CONTACT US

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