

For a Healthier Massachusetts: Tracking and Managing Immunizations into Adulthood through the Massachusetts Immunization Information System (MIIS)

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Presented by:

Tricia Charles – MIIS Program Coordinator

Shari Davis – MIIS Roll-Out Coordinator

Disclosure

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We, Tricia Charles & Shari Davis, 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.

We 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.

Our Agenda/Objectives Today

- ▶ Overview of the Registry and Roll Out Status
- ▶ Outline providers' legal responsibilities for reporting
- ▶ Using the MIIS for Quality Improvement
- ▶ New MIIS Functionality: Coming Soon
- ▶ Describe steps for coming on board with the MIIS

Overview of the Registry and Roll Out Status

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Description of the MIIIS
MIIIS data over time

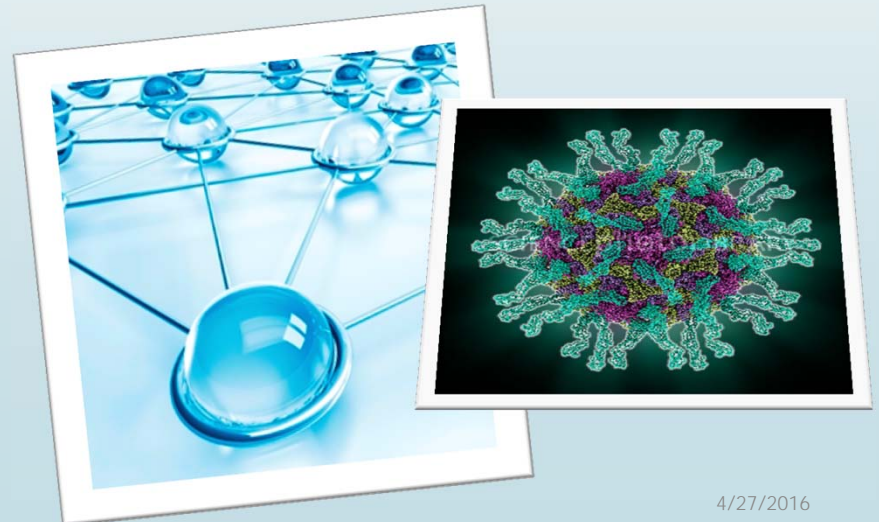
“

When our body is infected with a virus or bacterium, our immune system will identify, target and often prevent the invading organism from flourishing and making us ill. While our biological immune system fights off infections to keep us healthy, our nation is also defending against disease outbreaks and keeping us as a population protected. **Our nation's immune system, however, is not biologic, it is electronic and it has a name: Immunization Information System (IIS).**

”

<http://shotofprevention.com/tag/immunization-information-system/>

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Overview

- ▶ Secure, confidential web-based system capable of electronic data exchange and direct data entry
- ▶ Consolidates immunization records over lifespan
- ▶ Assists providers with clinical decisions
 - ▶ Helps identify due or overdue immunizations
 - ▶ Prevents over/under immunization
- ▶ Includes practice management tools
 - ▶ Patient immunization and vaccine usage reports
 - ▶ Tracks over 3.2 million doses of vaccine distributed by MDPH annually
- ▶ Provides infrastructure for tracking essential information during public health emergencies



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For a single patient

Adult Provider



Vital Records



Pediatric Records



MIIS

Pharmacy



School & College

Data Over Time...

2011

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

2012

- Total Sites: 55
- Total Patients: 815,928
- Total Shots: 3,371,434

2013

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

2014

- Total Sites: 532
- Total Patients: 2,370,194
- Total Shots: 13,597,285

2015

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

April 2016

- Total Sites: 1,649
- Total Patients: 4,819,805
- Total Shots: 33,996,056

Overview of providers' legal responsibilities for reporting

Legislation

Regulations

Compliance Timeline

Legislation

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

- Mandatory reporting of all immunizations administered in MA
- Access given to healthcare professionals that administer immunizations, as well as schools, LBOH, WIC, and other state agencies' programs involved in immunizations

- The state registry of vital records and statistics shall transmit to the immunization registry the information regarding immunizations administered to a newborn

- **Provider's Duty to Inform** patients about the MIIS
Patient's Right to Object to Data Sharing across providers

*"Licensed health care providers administering vaccinations **shall discuss the reporting procedures of the immunization registry with the persons receiving the vaccinations and their parents or guardians, when appropriate, and advise them of their right to object to the disclosure of such information as set forth in this section.**"*



Outline requirements
in the following areas:

- Data elements to be reported
- Timeliness of reporting
- Duty to inform patients
- Patient right to object to sharing data
- System access and confidentiality
- Provider registration
- Requests to amend records
- Individual's access to their records
- Research requests
- Schedule for Compliance

2015 Regulations

The purpose of 105 CMR 222.000 is to facilitate and promote the use of the Massachusetts Immunization Information System (MIIS) to help improve immunization coverage among all individuals in the Commonwealth.

Compliance Time Line

September
1, 2015

- Providers who do not use electronic health record systems and will enter data directly into the web interface.

December
1, 2015

- Providers who administer more than 1,000 doses of vaccine per year that use electronic health record technology and will report immunization information through electronic data exchange.

June 1,
2016

- Providers who administer fewer than 1,000 doses of vaccine per year that use electronic health record technology and will report immunization information through electronic data exchange.

Using the MIIS for Quality Improvement

Improve your coverage rates

Improve data quality within the MIIS & your EMR

Manage vaccines through the MIIS

Evidence-Based Strategies to Increase Immunization Rates

TASK FORCE ON COMMUNITY
PREVENTIVE SERVICES
RECOMMENDATIONS

www.thecommunityguide.org/vaccines/index.html

What Providers Can Do

- ▶ Assess and vaccinate at every visit
- ▶ Standing Orders
- ▶ Immunization Champion
- ▶ Assessment and feedback
- ▶ Use reminder/recall systems

The Community Guide - What works to promote health

How to improve your coverage rates within the MIIS

Use case: Your practice wants to work on some quality improvement measures. One measure is to increase your immunization coverage rates for HPV. Your practice has been reporting data to the MIIS for several months now. You log into the MIIS and run a coverage report.

Coverage Report



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 lifespan immunization registry and vaccine management system. The MIIS consolidates patient immunization information that is easily accessible by health care providers across the Commonwealth, who are then able to share these records with their patients and families. The MIIS helps ensure vaccines administered in Massachusetts are based on the latest immunization recommendations and provides patient and practice level reports to aid in the administration and tracking of immunizations. Additionally, the MIIS provides an online platform to manage and track the approximately 3 million doses of vaccine distributed by the MDPH annually.

By law ([M.G.L. Chapter 111, Section 24M](#)), providers must discuss the reporting procedures of the MIIS with their patients and their parents or guardians when applicable. The law also stipulates that patients and their parents or guardians have the right to object (or withdraw a previous objection) to having their or their child's data shared with other providers in the MIIS. This should be done after the provider practice has begun submitting data to the MIIS. The [MIIS Regulations\(PDF\)](#) describes the guidelines for all health care providers who are registered to use the MIIS. For more information on integrating the MIIS at your practice, please visit the ContactMIIS Resource Center.

Gaining access to the MIIS: To allow additional users at your practice to access the MIIS, your site's Access Administrator must log into the [ContactMIIS Resource Center](#), identify the users and then ensure that they complete the necessary registrations steps.

Known Issues: For a list of items that are not functioning as anticipated within the MIIS, and suggested ways to 'work around' them till they are fully resolved, please see the list of MIIS [Known Issues](#).

Massachusetts Immunization Information System

Logged in as: tcharles2 at Demo Practice - 98765

Immunization Registry
Vaccine Management
Reports
Immunization Registry
Coverage Reports
Patients Vaccinated
Practice Population
Reminder / Recall
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Temperature Logs Report
Vaccine Accountability
Practice Profile
Resources

Welcome to the Reports module

Displays the number and percent of patients satisfying coverage criteria for a group of patients.

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Coverage Report Input Parameters	
Report Type:	<input type="text" value="--Select Report Type--"/>
	<ul style="list-style-type: none">--Select Report Type--Custom Coverage ReportStandard Adolescent Coverage ReportStandard Childhood Coverage Report

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Coverage Report Input Parameters

Report Type: Custom Coverage Report

Report Name: Improve HPV

Include Patients of Age Range:

* From: 18 Year(s) * Reference Date: 03/04/2016

* To: 27 Year(s)

Count Immunizations given on or before (choose one):

Age Date

* Assessment Date: 03/04/2016

* Enter the Number of Doses for the Vaccine Groups below:

<input type="text"/>	HepB	<input type="text"/>	PCV	<input type="text"/>	HepA
<input type="text"/>	Rotavirus	<input type="text"/>	PPSV	1	HPV
<input type="text"/>	DTP/aP	<input type="text"/>	Polio	<input type="text"/>	MCV
<input type="text"/>	Tdap	<input type="text"/>	Influenza	<input type="text"/>	MPSV
<input type="text"/>	Td	<input type="text"/>	MMR	<input type="text"/>	Zoster
<input type="text"/>	Hib	<input type="text"/>	Varicella		

Include Invalid Immunizations

Limit Report By Patient Information:

Display Report Columns:

Missing Antigens

One Dose Away

Submit

Cancel

4/27/2016



Massachusetts Immunization Information System

Custom Coverage Report

Report Name: Improve HPV
 Age Range: 18 Year(s) to 27 Year(s)
 Site PINs:

Reference Date: 03/04/2016
 Birth Date Range: 03/04/1989 - 03/04/1998
 Assessment Date: 03/04/2016

Selected Parameters:

Patient Status: Active

Number of Patients Assessed: 21988

Vaccine Group	Count	Percentage	Number of Doses Evaluated
HPV	6564	29.85%	≥ 1 Human Papilloma Virus
All Antigens	6564	29.85%	Receipt of all the doses listed above

**ROOM
FOR
IMPROVEMENT**

Massachusetts Immunization Information System

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Identifies a target population and then generates a list of individuals who are due or overdue for one or more vaccine groups.

Reminder / Recall Report Input Parameters

This report provides users with recommended vaccines, a history and summary of vaccines received and a reminder of the next dose for all patients selected based on the input parameters, which include an immunization due date timeframe and either Age or Birth date range.

Report Name:

Include Patients within range (choose one):

Age Range Birth Date Range

*Age Range (FROM): Year(s) Year(s)

*Age as of Date:

*Immunization Due Date Time Frame: Custom Due Date Range (FROM): (TO):

Available Due/Overdue Vaccine Groups:

- DTP/aP
- Encephalitis
- HepA
- HepB
- Hib
- Ig

- 1 Month or More Past Due
- 2 Months or More Past Due
- 3 Months or More Past Due
- Custom
- Due in 1 Month or Less
- Due in 2 Months or Less
- Due in 3 Months or Less
- Due Now

= Add all
→ Add
← Remove
= Remove all

*Selected Vaccine Groups:

- HPV

Available Special Indications:

- Hepatitis B vaccine 100% dose recommended
- Hepatitis B vaccine recommended
- Hib vaccine recommended - high risk condition 5 years of age and older
- HPV vaccine recommended
- Meningococcal vaccine (MCV4 or MPSV4, based on age) high risk: as

= Add all
→ Add
← Remove
= Remove all

Selected Special Indications:

-

Limit Report By Patient Information:

Limit Report By Immunization Information:

Limit Report By Provider Site Information:

Reminder Recall Report

Patient Listing PDF Letters Postcards Labels

Reminder Recall Report

Report Name: Improving HPV Rates

Selected Site PIN:

Age Range: 18 Years - 27 Years

Age as of: 03/04/2016

Immunization Due Date Time Frame: Due Now

Selected Parameters:

Vaccine Groups: HPV

Patient Status: Active

Additional Text:
(Optional, to be added to each letter)

Select/Deselect All

Patient listing

Clear Sort

Total Patients: 12348

Note: Patient records where an address is not complete are not available to be selected for printing.

Last Name	First Name	Middle Name	Birth Date	Age	Due/Overdue Groups	Forecast	Text Language	Phone Number	Reminder Recall Address	Select to Print
Case	Test		01/24/1994	22 yr 2 mo	HPV, MCV, MMR, Tdap, Varicella	View	English	Home: (123) 123-1234	Patient, Happy lane, DORCHESTER, MA, 02125-0000	<input type="checkbox"/>
								Home: (123) 123-1234	Unknown, Happy lane, Dorchester MA, 02124-0000	<input type="checkbox"/>
Doe	Jane		04/13/1996	19 yr 11 mo	HPV, MCV	View	English	Home: (333) 333-3333	Patient, Anywhere St, BROCKTON, MA, 02302-0000	<input type="checkbox"/>
								Home: (333) 333-3333	Unknown, Anywhere St, apt 325, BROCKTON, MA, 02302-0000	<input type="checkbox"/>
Smith	John		12/11/1997	18 yr 3 mo	HPV, HepA, Influenza, MCV, Tdap	View	English	Home: (444) 444-4444		<input type="checkbox"/>
Shmo	Joe		01/01/1991	25 yr 3 mo	Td HPV, HepB, Varicella	View	English	Home: (555) 000-0000	Patient, Nowhere Way, DORCHESTR, MA, 02121-0000	<input type="checkbox"/>
								Home: (555) 000-0000	Unknown,	<input type="checkbox"/>

Test Case

Birth Date: 01/24/1994 Age: 22 yr 2 mo Gender: Female MRN:123456 MIIS ID: 000000

Address: **Happy Lane, Dorchester MA 02125-0000** Phone:123-123-1234

VFC Status: Not VFC Eligible, Adult Insurance: N/A Data Sharing Status: Yes

Immunization Forecast*

Group Name	Earliest Date	Recommended	Overdue Date	Latest Date
Tdap	01/01/2005	01/01/2005	02/01/2005	01/24/2114
PCV	01/24/2059	01/24/2059	02/24/2059	01/24/2114
PPSV	01/24/2060	01/24/2060	02/24/2060	01/24/2114
Influenza	08/01/2016	08/01/2016	09/01/2016	01/24/2114
MMR	10/05/2015	10/05/2015	11/05/2015	01/24/2114
Varicella	01/24/1995	01/24/1995	05/24/1995	01/24/2054
HPV	06/08/2006	06/08/2006	01/24/2007	01/23/2021
MCV	01/24/2005	01/24/2005	01/24/2006	01/23/2016
Zoster	01/24/2054	01/24/2054	01/24/2055	01/24/2114

Reminder Recall Report

Patient Listing PDF Letters Postcards Labels

Reminder Recall Report

Report Name: Improving HPV Rates

Selected Site PIN:

Age Range: 18 Years - 27 Years

Age as of: 03/04/2016

Immunization Due Date Time Frame: Due Now

Selected Parameters:

Vaccine Groups: HPV

Patient Status: Active

Additional Text:
(Optional, to be added to each letter)

Select/Deselect All

Patient listing

Clear Sort

Total Patients: 12348

Note: Patient records where an address is not complete are not available to be selected for printing.

Last Name	First Name	Middle Name	Birth Date	Age	Due/Overdue Groups	Forecast	Text Language	Phone Number	Reminder Recall Address	Select to Print
Case	Test		01/24/1994	22 yr 2 mo	HPV, MCV, MMR, Tdap, Varicella	View	English ▾	Home: (123) 123-1234	Patient, Happy lane, DORCHESTER, MA, 02125-0000	<input type="checkbox"/>
								Home: (123) 123-1234	Unknown, Happy lane, Dorchester MA, 02124-0000	<input type="checkbox"/>
Doe	Jane		04/13/1996	19 yr 11 mo	HPV, MCV	View	English ▾	Home: (333) 333-3333	Patient, Anywhere St, BROCKTON, MA, 02302-0000	<input type="checkbox"/>
								Home: (333) 333-3333	Unknown, Anywhere St, apt 325, BROCKTON, MA, 02302-0000	<input type="checkbox"/>
Smith	John		12/11/1997	18 yr 3 mo	HPV, HepA, Influenza, MCV, Tdap	View	English ▾	Home: (444) 444-4444		<input type="checkbox"/>
Shmo	Joe		01/01/1991	25 yr 3 mo	Td HPV, HepB, Varicella	View	English ▾	Home: (555) 000-0000	Patient, Nowhere Way, DORCHESTR, MA, 02121-0000	<input type="checkbox"/>
								Home: (555) 000-0000	Unknown,	<input type="checkbox"/>

Demo Practice
100 Main St.
Anywhere, MA.
00000

Test Case
Happy Lane
DORCHESTER, MA 02125-0000

Dear **TEST**,

Our records show that you are or will be due for one or more immunization(s) on or as of 06/08/2006. The immunization history that we have on record appears below. If you have received immunizations from another health care provider that are not listed below, please call our office at (617) 414-5661 so that we can update your record. Otherwise, please schedule an appointment for you to receive them.

Immunization History and Recommendations for

Immunization	Date(s) Given	Recommendation(s)
Tdap		Overdue
PCV		Next Due: 01/24/2059
PPSV		Next Due: 01/24/2060
Influenza	10/05/2015	Next Due: 08/01/2016
MMR		Overdue
Varicella		Overdue
HPV		Overdue
MCV		Overdue
Zoster		Next Due: 01/24/2054

Sincerely,
Demo Practice

MDP

4/27/2016

Improve data quality within the MIIS & your electronic health record

Use case: You have run your reminder recall report and mailed out your reminder letters. Since that time, several patients have come in for their immunizations. You run your coverage report again; however while your rates improved, your rates are still lower than you expected.

To troubleshoot this, you can run a practice population report to get a full list of your patients in an 'active' status within the MIIS.

Practice Population Report

Massachusetts Immunization Information System

Logged in as: tcharles2 at Demo Practice - 98765

Welcome to the Reports module

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This report displays patients who are associated to your Site PIN in the MIIS

Practice Population Report Input Parameters

This report displays patients who are associated to your Site PIN in the MIIIS based on the parameters selected below.

Include Patients within range (choose one):

Age Range Birth Date Range

*Age Range (FROM): Years * (TO): Years

*Age as of Date:

⤴ Limit Report By Patient Information

⤴ Limit Report By Provider Site Information

Submit Report

Cancel



Massachusetts Immunization Information System

Practice Population Report

Demo Practice 04/05/2016

Selected Site PIN: 98765
Age as of: 04/05/2016

Age Range: 18 Years to 27 Years

Total Patient Count: 3619

Total Number of Immunizations Administered by this Site: 62977

Percent of Patients where Data Sharing is 'No': 0%

Last Name	First Name	Middle Name	Birth Date	MRN	MIIS ID	Patient Status	Data Sharing Status	Number of Imms Admin at this Site	Date of Most Recently Admin Imm at this Site	Total Imms in the MIIS
A TEST	PATIENTA		04/13/1996	100000	900000	Active	Yes	27	11/02/2015	27
B TEST	PATIENTB		12/11/1997	100001	900001	Active	Unknown	21	05/07/2002	21
C TEST	PATIENTC		03/09/1997	100002	900002	Active	Unknown	31	10/22/2014	31
D TEST	PATIENTD		07/29/1997	100003	900003	Active	Unknown	29	12/03/2013	29
E TEST	PATIENTE		07/26/1996	100004	900004	Active	Unknown	16	10/18/2000	16
F TEST	PATIENTF		03/27/1997	100005	900005	Active	Unknown	28	12/02/2014	28
G TEST	PATIENTG		08/09/1997	100006	900006	Active	Unknown	16	08/18/1999	16

Patient Status

Active Patients

- ▶ Included in reports:
 - ▶ Coverage
 - ▶ Reminder Recall
 - ▶ Patients Vaccinated
 - ▶ Practice Population
- ▶ Important to keep this current and aligned with your EHR

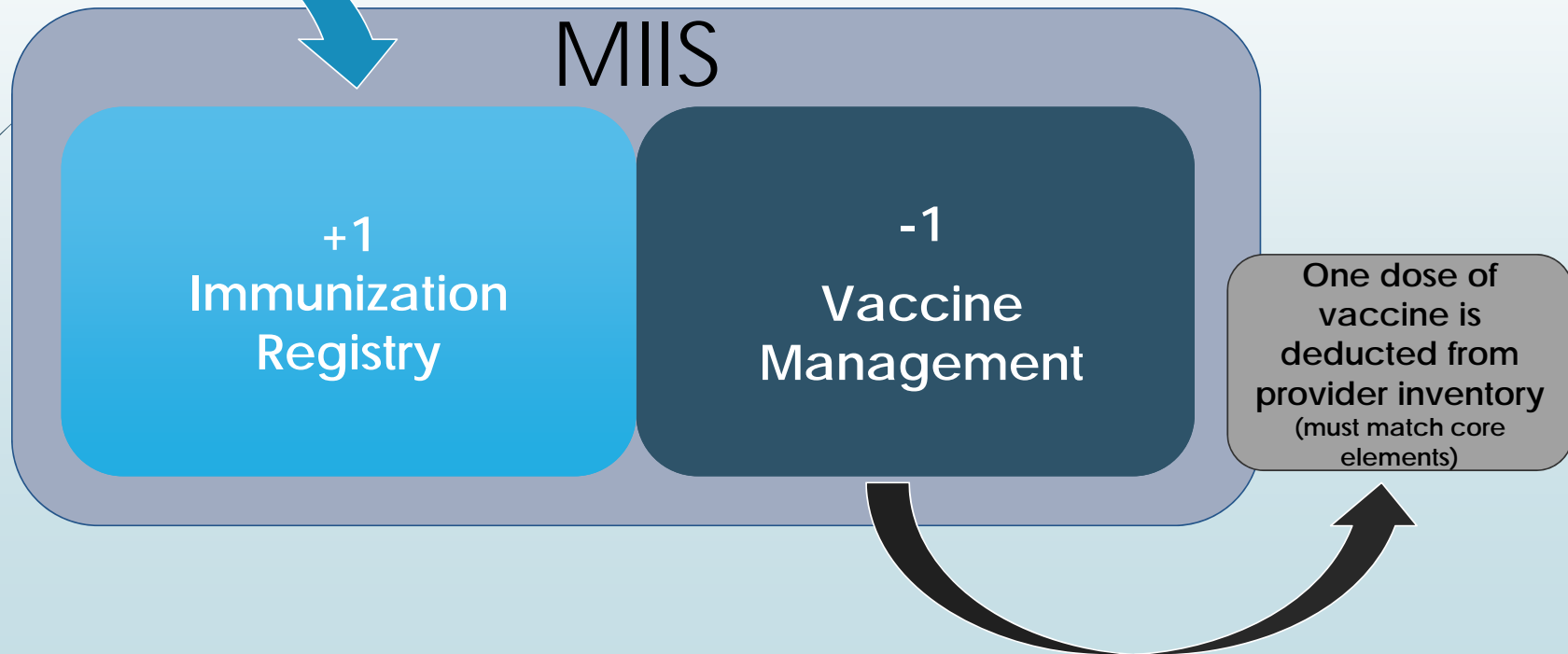
Benefits of Inactivating Patients

- ▶ Will not be included in reports (but can be selected if desired)
- ▶ Will not be part of your practice denominator when running coverage reports
- ▶ Allows ease of managing reports(keeps patient lists more manageable)

How to effectively manage vaccines through the MIIS

Use Case: You are managing your state supplied vaccines in the MIIS. At the end of the month your vaccine manager begins an order. They realize that the MIIS did not decrement as many doses as you had actually administered.

Inventory Decrementing



Vaccine Order

Vaccine	Packaging	Trade Name	NDC	Lot #	Calculated Current Inventory	Doses Administered (Reported to Registry Report Aggregate Usage)									Sub-total	Total Doses Administered
						Age < 1	Age 1	Age 2-5	Age 6-12	Age 13-18	Age 19-29	Age 30-49	Age 50-64	Age >=65		
HPV9	10 pack - 1 dose vials	Gardasil 9	00006-4119-03	L004014	50	0	0	0	0	0	3	0	0	0	3	3
						0	0	0	0	0	0	0	0	0	0	

- Practice actually administered 7 doses
- MIIS only calculated 3 doses administered
- **What happened to the remaining 4 doses?**

Patients Vaccinated Report

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Welcome to the Reports module

This report displays patients who received at least one dose of a selected vaccine during the specified administration date range as well as details for each of the vaccines given.

Patients Vaccinated Report Input Parameters

This report displays patients who received at least one dose of a Selected Vaccine during the specified Administration Date range as well as details for each of the vaccines given.

Report Name:

*Vaccine Administration Date Range (FROM): *(TO):

*Vaccine Groups: ▼

Available Vaccines:

⇒ Add all
→ Add
← Remove
⇐ Remove all

*Selected Vaccines:

HPV, unspecified
HPV2
HPV4
HPV9

⤴ Limit Report By Immunization Information

⤴ Limit Report By Patient Information

Submit Report

Cancel



Massachusetts Immunization Information System

Patients Vaccinated Report

Selected Site PIN: 98765
Vaccine Group: HPV

Vaccine Administ

03/31/2016

Selected Parameters:

Vaccine(s): HPV, unspecified; HPV2; HPV4; HPV9
Patient Status: Active

Lot # is
Transposed

Vaccine type is
incorrect

Number of Patients Vaccinated: 7

Last Name	First Name	Middle Name	Birth Date	MRN	Vaccine	Lot Number	
DEPP	JOHNNY		08/15/1990	123546	HPV9	L004041	03/02/2016
GAIL	DOROTHY		01/04/1993	654654	HPV4	L004014	03/17/2016
GOSLING	RYAN		09/02/1989	321998	HPV9	L004041	03/02/2016
MAY	APRIL		10/03/1990	987654	HPV9	L004014	03/15/2016
OZ	WIZARD		05/04/1991	999998	HPV4	L004014	03/17/2016
PATIENT	TEST		06/15/1994	898777	HPV9	L004014	03/15/2016
SMITH	JANE		01/01/1996	56546	HPV9	L004014	03/15/2016

Data Quality Corrections

Vaccine errors should be corrected within your electronic health records

Once the edits are made in your EHR they will retrigger as updates to the MIIS*

Vaccine accountability can be managed directly through the order process

*EHR dependent



New MIIS Functionality: Coming Soon

System Usage Dashboard

Vaccine Recalls

Vaccine Returns & Wastage

System Usage Dashboard

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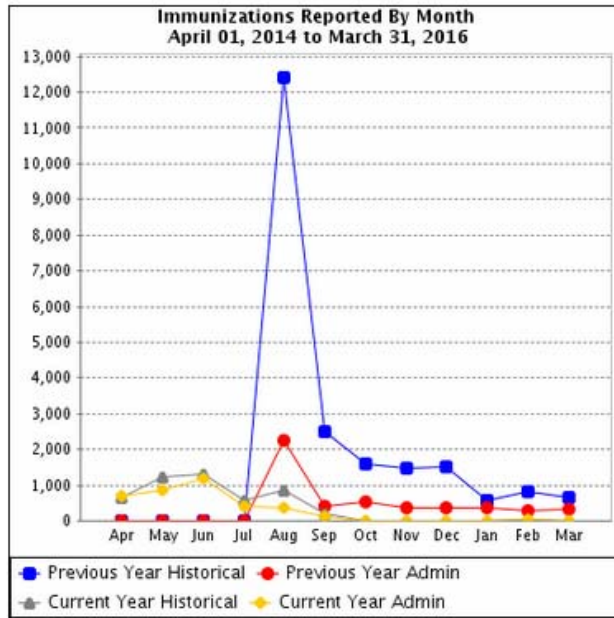
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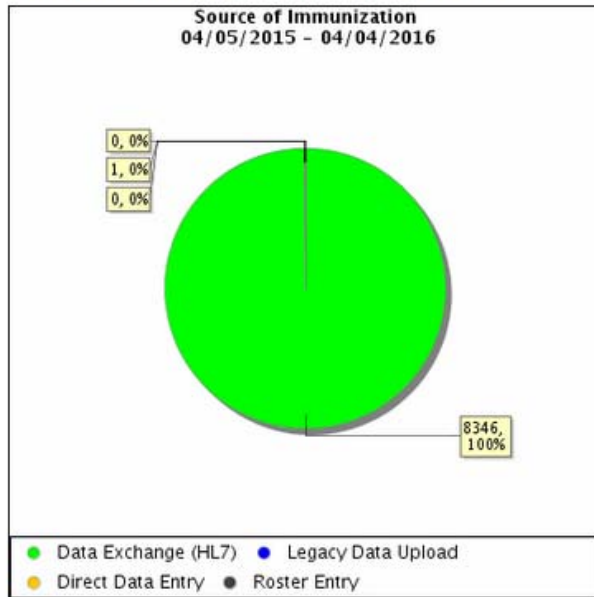
Practice Information

Two Year Comparison of Administered vs. Historical Immunizations - April 01, 2014 to March 31, 2016*



Month	Previous Year Admin.	Previous Year Historical	Current Year Admin.	Current Year Historical
April	0	0	677	662
May	0	0	878	1,213
June	0	0	1,176	1,309
July	0	0	406	565
August	2,266	12,429	378	865
September	399	2,490	103	202
October	510	1,595	0	0
November	353	1,465	0	0
December	348	1,529	0	0
January	363	562	0	0
February	276	802	45	25
March	334	673	1	0

Total Immunizations Reported April 05, 2015 - April 04, 2016 = 8,347



Source	Number of Immunizations Reported	Percent of Immunizations Reported	Last Reported
Data Exchange (HL7)	8,346	100%	02/24/2016
Legacy Data Upload	0	0%	N/A
Direct Data Entry	1	0%	03/23/2016
Roster Entry	0	0%	N/A

*Administered refers to immunizations administered at your practice. Historical refers to immunizations administered at a different provider practice.

Patient Information

1,754 Active Patients 0 Data Sharing = No 123 Patients in Duplicate Patient Queue

User Information

6 Active Users

Web Interface Activity by User for April 05, 2015 - April 04, 2016

User	Last Login	Reported Imms.	Last Reported Imm.	Reminder / Recall	Last Reminder / Recall	Coverage Report	Last Coverage Report	Patient Merges	Last Patient Merge
Charles, Tricia	04/05/2016 01:55 PM	1	03/23/2016	1	02/05/2016	0	N/A	0	N/A
Smith, John	08/31/2015 09:56 AM	0	N/A	0	N/A	0	N/A	0	N/A
Bunny, Easter	09/09/2015 03:26 PM	0	N/A	0	N/A	0	N/A	0	N/A
Claus, Santa	01/29/2016 03:36 PM	0	N/A	0	N/A	0	N/A	0	N/A
Stamos, John	09/09/2015 03:04 PM	0	N/A	0	N/A	7	09/09/2015	0	N/A
Do, Jane	08/24/2015 09:26 AM	0	N/A	0	N/A	0	N/A	0	N/A

To manage MIIS users, please login to <http://www.contactmiis.info> and click "User Management".

Print

Close

Vaccine Recalls Storage & Handling Problems

Massachusetts Immunization Information System

Logged in as: tcharles2 at Demo Practice - 98765

Immunization Registry	Vaccine Management
Vaccine Management	
Provider Enrollment	
New Order	
Orders Worklist	
Inventory	
Transfer Vaccines	
New Flu Order	
Flu Reconciliation	
Flu Reconciliation History	
Temperature Logs	
Storage/Handling Problem	
Recall & Storage/Handling Problem Worklist	
Reports	
Daily Orders	
Inventory by Provider	
Temperature Logs Report	
Vaccine Accountability	
Practice Profile	
Reports	
Resources	

Recall & Storage/Handling Problem Worklist

Recall & Storage/Handling Problem Worklist

Status: All Statuses

Site PIN	Provider Name	Record Number	Type	Status	Action	Return Status	Return Action	Date Submitted	Created by PIN	Patients Vaccinated
98765	Demo Practice	15067160001	Recall	Accepted by State	View	Pending	Initiate	03/21/2016	99992	View

Cancel

- View Recalls
- Initiate vaccine returns back to manufacturer
- View patients vaccinated report if revaccination is recommended

Recall Screen

View Recall or Storage/Handling Problem

Record #: 15067160001 **Status:** Accepted by State **Provider:** Demo Practice **PIN:** 98765 **Date Submitted:** 03/21/2016 **Created By:** ANAGIREDDYGARI1

***Reason:** Recall

Vaccine	Trade Name	Inventory Type	NDC	Date Lot Last Received	Lot #	Doses Impacted
Rotavirus, monovalent	Rotarix	State	58160-0854-52	07/28/2015	A41CB512A	40
Rotavirus, monovalent	Rotarix	State	58160-0854-52	08/31/2015	A41CB524A	30

Recommend Revaccination: No

Vaccine Return Required: Yes

Vaccine Return Status: Pending

Close

- Vaccine is automatically removed from MIIS inventory - for state vaccine.
- Notification provided for private vaccine

Storage/Handling Problems

Recall & Storage/Handling Problem Worklist

Status: All Statuses

Site PIN	Provider Name	Record Number	Type	Status	Action	Return Status	Return Action	Date Submitted	Created by PIN	Patients Vaccinated
98765	Demo Practice	15067160006	Mechanical Failure	Accepted by State	View	Completed	View Return Form	03/25/2016		View

Cancel

- Vaccine returns for state supplied vaccines will be completed through the MIIS
- Ability to view patients vaccinated report if revaccination is recommended



MASSACHUSETTS IMMUNIZATION INFORMATION SYSTEM
 Massachusetts Department of Public Health (MDPH)
 Vaccine Management Unit
 Phone: 617-983-6828 Fax: 617-983-6924

Vaccine Return Request Form
Nonviable Vaccine Must be Returned Within 6 Months After The Expiration of Product

Date: 2016-03-25 SiteName: Demo Practice PIN: 98765 Phone: _____

Mon 09:00 AM12:30 PM01:30 PM04:00 PM
 Tue 09:00 AM12:30 PM01:30 PM04:00 PM
 Wed 09:00 AM12:30 PM01:30 PM04:00 PM
 Thu 09:00 AM12:30 PM01:30 PM04:00 PM

Contact: tricia.charles@state.ma.us Hours Open: Fri 09:00 AM12:30 PM01:30 PM04:00 PM Fax: _____

Label Shipping Method: EMAIL
 Number of shipping boxes: 2

Follow these procedures:

1. Return only State supplied vaccine. You are responsible for privately purchased vaccine.
2. Record all information in the table below.
3. Pack expired/damaged vaccine and a copy of this form into container.
4. Please remember, do not return open multi-does vials. Please dispose of with your medical waste.

PROVIDERS SHOULD NOT CALL U.P.S./FEDEX OR MCKESSON.

NDC Number*	Vaccine	Manufacturer	Lot Number	Exp. Date	No. Doses	Reason
00006-4119-03	HPV9	Merck & Co., Inc.	K026246	01/28/2017	14	Mechanical Failure
49281-0860-10	IPV	sanofi pasteur (formerly Sanofi Pasteur, formerly Aventis Pasteur Inc., Connaught and Pasteur Merieux)	K1329-1	06/18/2016	13	Mechanical Failure
58160-0811-52	DTaP-HepB-IPV	GlaxoSmithKline	2PY24	03/27/2017	30	Mechanical Failure

*NDC number is the National Drug Code which can be found on each vial of vaccine

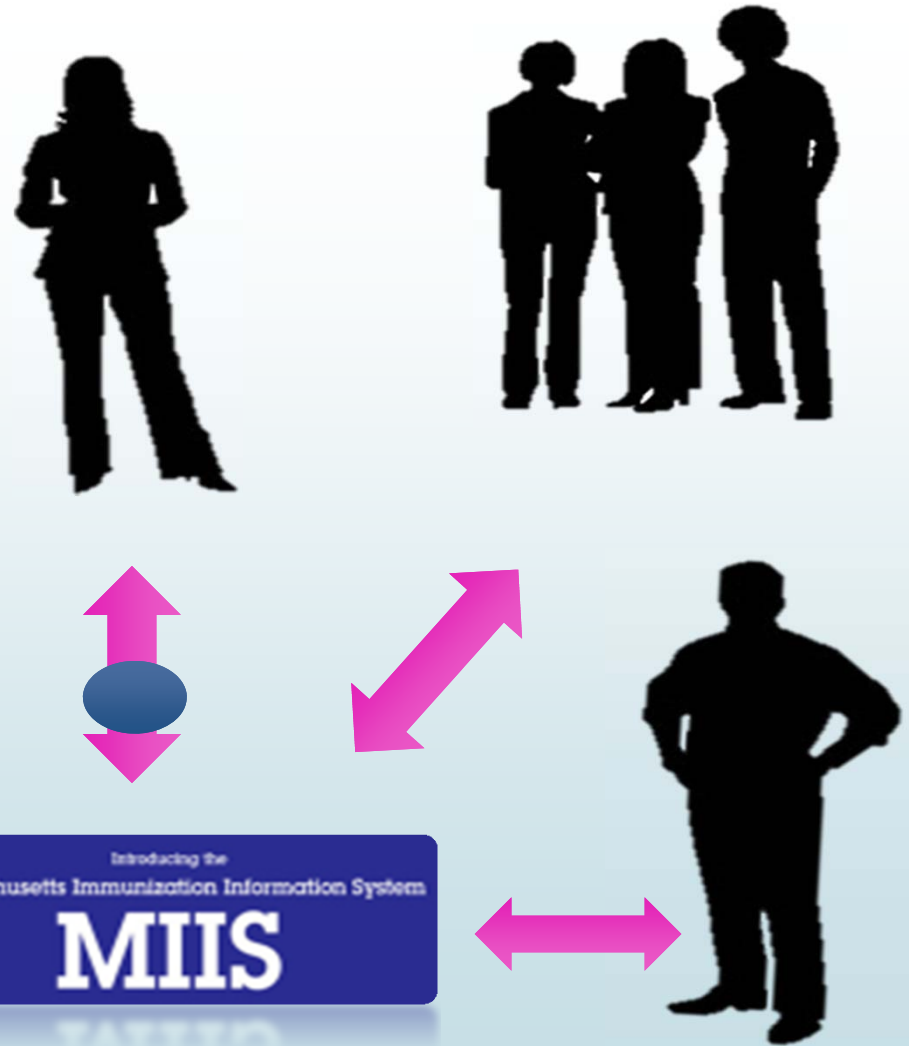
Vtrcks Return ID: 20160325 ExIS Return ID: 15067160006

Steps to on-board with the MIIS

Using the MIIS

All sites – including those that do data exchange – will need to access the web-based interface to perform some core MIIS functions:

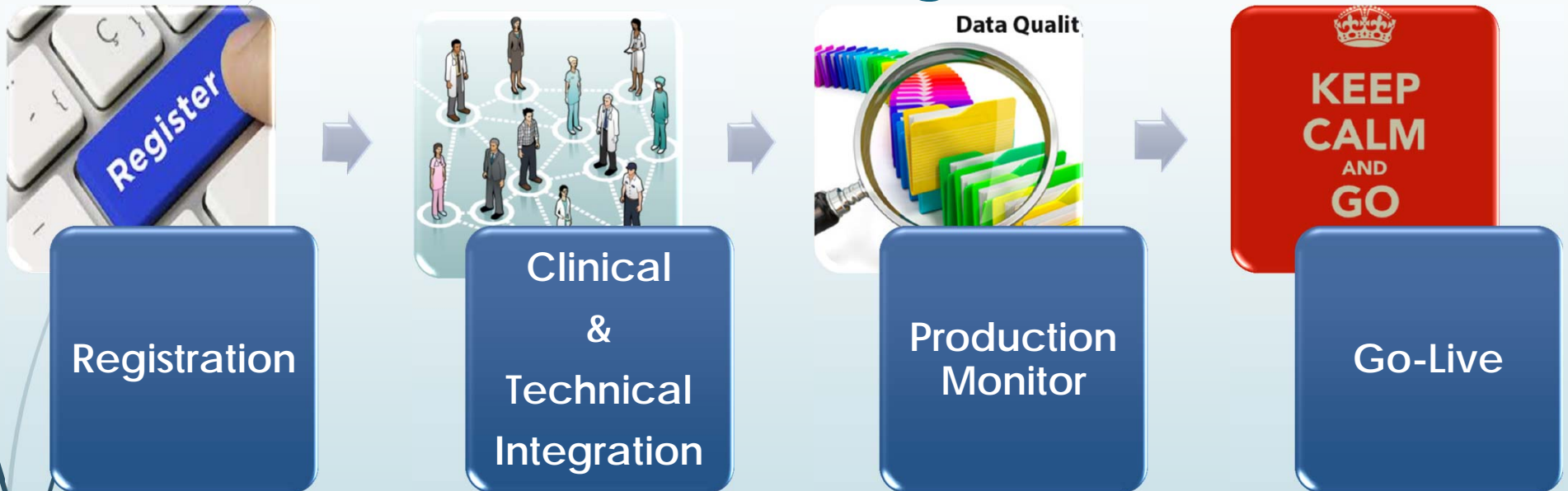
- Search for a patient new to the practice
- Look up a forecast
- Manage a patient's data sharing status
- Run usage, coverage, and reminder/recall reports
- Monitor data quality
- Vaccine ordering and inventory management



Reporting Data via Direct Data Entry



Reporting Data via HL7 (Electronic Data Exchange with EHR)



Registration

Get Started. Please select the appropriate registration option below.

MIIS User Registration

Select this option to request MIIS User access or to Register Meaningful Use for Immunization Reporting to the MIIS. Please note the requirements below.

⚠ Registration Requirements

- Your Provider Site has already registered with this system.
- The MIIS Access Administrator has added you as an MIIS User to this system.
- You MUST have a unique email address to register.

Site Registration

Select this option if you manage only one Site location and need to . . .

- Register the Site to use/report to the Massachusetts Immunization Information System (MIIS)
- Register Meaningful Use for Immunization Reporting to the MIIS.
- Register as an MIIS Access Administrator for the Site.
- Request User Accounts for the staff to access the MIIS.

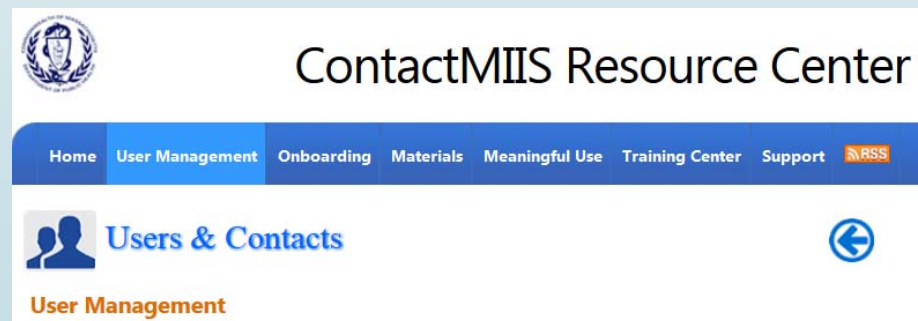
Group Registration

Select this option if you manage more than one Provider Site location and need to . .

- Register the Provider Sites to use/report to the Massachusetts Immunization Information System (MIIS)
- Register Meaningful Use for Immunization Reporting to the MIIS.
- Register as an MIIS Access Administrator for more than one of the Provider Site locations.

Do you need to add additional MIIS users?

Access Administrators may login to www.contactmiis.info and select the **User Management** tab at the top of the screen once logged in. This allows you to add new users or additional Access Administrators for the MIIS. Each added individual will also need to complete **MIIS User Registration**.



ContactMIIS Resource Center

Home User Management Onboarding Materials Meaningful Use Training Center Support MASS

Users & Contacts

User Management

Clinical Integration

Review MIIS Legislation and Regulations

- Gain an understanding of your duty to inform patients and their right to limit data sharing amongst provider sites.
- Designate a Clinical Champion to facilitate the onboarding process.

MDPH Immunization Program - Adult Conference 2016

Submit a clinical workflow

- Submit a clinical workflow outlining steps to inform patients of the MIIS and steps to process patient requests to object (or withdraw a previous objection) to data sharing.

Complete Training

- Decide the best training method for your staff:
 - Train the trainer
 - Self paced video modules and quick reference guides (www.contactmiis.info)
 - Training on MIIS workflow

Data Quality in MIIS Test (EHR sites only)

- Complete a data quality call with MIIS staff comparing data within your EHR and the MIIS Certification (test) environment for Quality Assurance purposes.

4/27/2016

Technical Integration- for EHR sites

Submit HL7 Checklist and Mapping Table

- Return requested information which includes contact information, vaccine mapping table, HL7 data fields, transport method, and site list (if applicable).

Establish connection to MIIS CERT Environment

- Connect through SOAP Web Services or through a LAND device. Contact the Mass Hlway if you choose to pursue a LAND device.

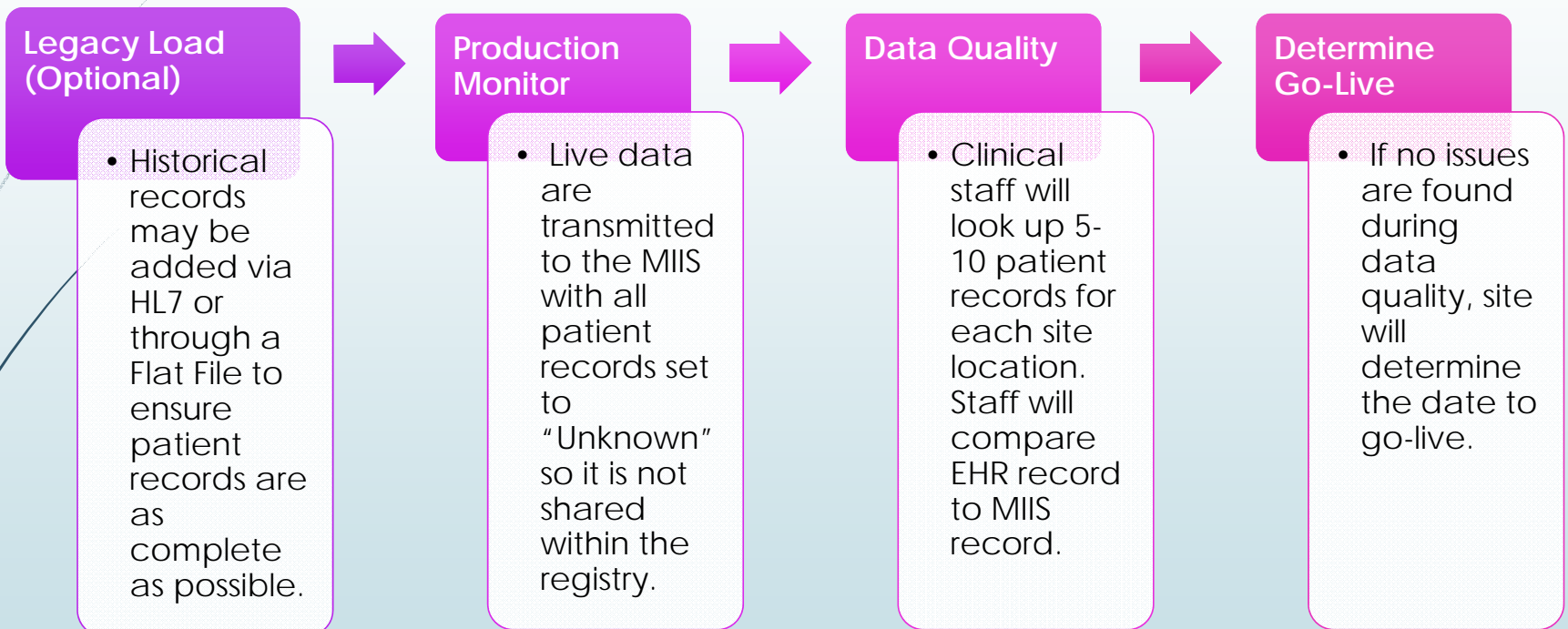
Create and Transmit HL7 Messages

- Create and submit Sample HL7 Messages and execute test cases.

Complete End to End Testing

- HL7 format and content is validated by MIIS IT team. Any identified issues are resolved with the vendor and technical teams.

Production Monitor - for EHR sites



Go-Live – for all sites

Implement Workflows

- Patient Informing and Data Sharing workflows should begin.

Manage Data Sharing

- Designated staff will follow MIIS workflow and manage data sharing status within the MIIS as needed.

Data Quality

- Quarterly data quality checks are recommended. Patient and Practice level reports are available to assist you.

ContactMIIS Resource Center

- ❑ New! On-boarding Page with easy step by step instructions
- ❑ Registration has been redesigned and streamlined
- ❑ Visit the Training Center for all your training needs!
- ❑ Have a question or issue? Contact us!



ContactMIIS Resource Center

Home User Management Onboarding Materials Meaningful Use Training Center **Support** 

ACTION Pending Actions Request
need your attention



Help Desk



View Open Tickets

Submit a Support Ticket

Contact Us

Providers who need support and are already registered in the MIIS, please login to the MIIS Resource Center and access the Support tab if you would like to submit a support ticket to the MIIS Help Desk.

If you are not registered in the MIIS and have questions, please contact the **MIIS Help Desk**:

- Phone: 617-983-4335
- Fax: 617-983-4301
- Email: miishelpdesk@state.ma.us
- Mail: Massachusetts Immunization Information System (MIIS),
Massachusetts Department of Public Health,
Immunization Program,
305 South Street, Jamaica Plain, MA 02130

New Registration

For New Provider Site or User Registration, [Click Here](#) to register.

ContactMIIS - Login

Username:
Password:

Forgot Password

Forgot Password, [Click Here](#).

MIIS Helpdesk

617-983-4335

miishelpdesk@state.ma.us

ContactMIIS Resource Center:

www.contactmiis.info

