

18th Annual Massachusetts Adult Immunization Conference

Massachusetts Immunization Information System (MIIS)

Immunization Registry Module Handout



MHS accessed through the Virtual Gateway – www.gateway.hhs.state.ma.us

Executive Office of Health and Human Services - Virtual Gateway



Virtual Gateway



Welcome to the Virtual Gateway

Login

Username

Password (Case sensitive)

Login

Forgot Password

Virtual Gateway Customer Service

Monday through Friday
8:30 am to 5:00 pm
800-421-0938 (Voice)
617-847-6578 (TTY for the deaf and hard of hearing)

Important Messages

Login Assistance:
If you need additional help logging in or changing your password, please visit
<http://www.mass.gov/vg/loginassistance>.

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Opening Menu

Massachusetts Immunization Information System



Mass.gov

Logged in as: Demo User5 at Test Provider 5

[Signout](#)

[Home](#)



Immunization Registry



Vaccine Management



Resources

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

Test: Test

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[Helpdesk](#)

Patient Search Screen: Always Search For A Patient Before Creating A New Record

Massachusetts Immunization Information System

EOHHS

Mass.gov

Logged in as: Ccoppola at Metro MdpH Regional Office

[Signout](#) [Home](#)

Manage Patients

Search

New Patient

Duplicate Patient Queue

Duplicate Shot Queue

Patient Reports

Reminder Recall

Search

Search Criteria

MNIS ID:

*Last Name: First Name: Mother's Maiden Name:

Test

City: Street Address:

Date of Birth: Exact Date Only [Within a Range](#)

Medical Record Number:

Search Options

*Sort: Last Name Sort Order: Ascending Include Deceased Patients: ☐

Search Clear Create New Patient

Search Results

4 record(s) found for the entered search criteria.

Patient	Date of Birth	Street Address	Address Line 2	City	State	Zip Code	Data Sharing Status	Provider
Test, Patient	03/01/2012						Yes	Test Provider 3
Test, Test	01/01/2000						Yes	Provider Westford
Test, Caregiver Issue	03/08/2000	22 MAIN ST		NORWOOD	MA	02062	No	Metro MdpH Regional Office
Test, MmrV	04/02/2000						Yes	Demo Provider 1

Create a New Patient: Enter Patient Demographics and Click Save

Massachusetts Immunization Information System

EOHHS

Mass.gov

Logged in as: Test User 3 at Test Provider 3

[Signout](#) [Home](#)

Please note that if a patient has selected to have their Data Sharing status as NO, then providers will only have access to the shots entered into the MIIIS by members for their practice or organization even though there may be additional immunization records for this patient in the system. MIIIS will forecast for such a patient based only on the immunizations entered/visible to the logged in provider. Only the shots that the provider has entered will display on the immunization certificate.

Manage Patients

- Search
- New Patient**
- Duplicate Patient Queue
- Duplicate Shot Queue

Patient Reports

- Reminder Recall

Create Patient

Patient Demographics | Data Sharing | Addresses | Caregivers | Provider Information | Birth Information

Patient Demographics

*Last Name:

*First Name:

Middle Name:

Suffix:

Alias:

*Date of Birth:

Gender:

Select Gender

Ethnicity:

Select Ethnicity

Race:

American Indian or Alaska Native

Asian

Black or African-American

Select as many as apply by holding Control key while you select.

Home Phone:

Work Phone:

Mobile Phone:

Email:

*VFC Eligibility:

Select VFC Eligibility

VFC Status:

Select VFC Status

Insurer:

Select Insurance

Contact Method:

Select Contact Type

Patient Demo

Save

Cancel

Patient Record Is Saved – Immunizations and Clinical Comments Tabs Now Appear

Birth Date: 02/22/2007 Age: 6 yr 1 mo Gender: Female MRN: N/A Mill ID: 110 [Resolve Duplicate Patient](#)

Three Demo Address: 3050 South Street Jamaica Plain MA 02130 Phone: N/A

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

Save Cancel

Patient Demographics Data Sharing Addresses Caregivers Provider Information Birth Information **Immunizations** Clinical Comments

Patient Demographics

*Last Name: Demo

*First Name: Three

Middle Name:

Suffix:

Alias:

*Date of Birth: 02/22/2007

Gender: Female

Date of Death:

Ethnicity: Select Ethnicity

Race: American Indian or Alaska Native
Asian
Black or African-American

Select as many as apply by holding Control key while you select.

Home Phone:

Work Phone:

Mobile Phone:

Email:

*VFC Eligibility: Insured (covers all recommended childhood and adolescent vaccines)

VFC Status: VFC-Not Eligible

Insurer: Select Insurance

Contact Method: Select Contact Type

Basic information about the patient, or the *Patient Header*, appears on the top of every screen in the patient record.

Data Sharing Tab: Change Data Sharing Status If Requested By Patient

Birth Date: 03/01/2012 Age: 1 yr 1 mo Gender: N/A MRN: N/A MIIS ID: 143

Patient Test Address: N/A Phone: N/A

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

Save Cancel

Patient Demographics **Data Sharing** Addresses Caregivers Provider Information Birth Information Immunizations Clinical Comments

Data Sharing

Declaration:

All data in the MIIS is available to the Massachusetts Department of Public Health for disease prevention and control.

A "Yes" status indicates that this client's immunization record may be shared with Massachusetts health care providers, schools, and other agencies as described in [M.G.L. c. 111, s.24M](#)

A "No" status limits access of the client's immunization information to only the health care provider site that entered the information into the system.

An "Unknown" status is reserved for historical immunization information where the MIIS has not yet been discussed with the client.

By changing a client's data sharing status, a MIIS user acknowledges that he/she has provided the MIIS Fact Sheet to the person receiving the vaccinations, or their parent/guardian, and has received a signed form indicating a desire to change their or their child's data sharing status in the MIIS. The MIIS Fact Sheet and form for changing one's data-sharing status can be downloaded at [MIIS Information for Parents and Patients](#).

Data Sharing Allowed:

☒ Yes

☐ No

☐ Unknown

Effective Date

03/14/2013 1:02 PM

If a patient requests to change their Data Sharing Status, make sure you review the implications of a "Yes" and "No" Data Sharing Status with your patient. If the patient decides to change their Data Sharing Status, ask them to complete an *MIIS Objection to Data Sharing (Or Withdrawal of Objection) Form*.

Addresses Tab – Add/Edit Patient Permanent and Secondary Addresses

Birth Date: 03/01/2012 Age: 1 yr 1 mo Gender: N/A MRN: N/A MIIS ID: 143

Patient Test Address: 1234 Mulberry Lane Boston MA 02130 Phone: N/A

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

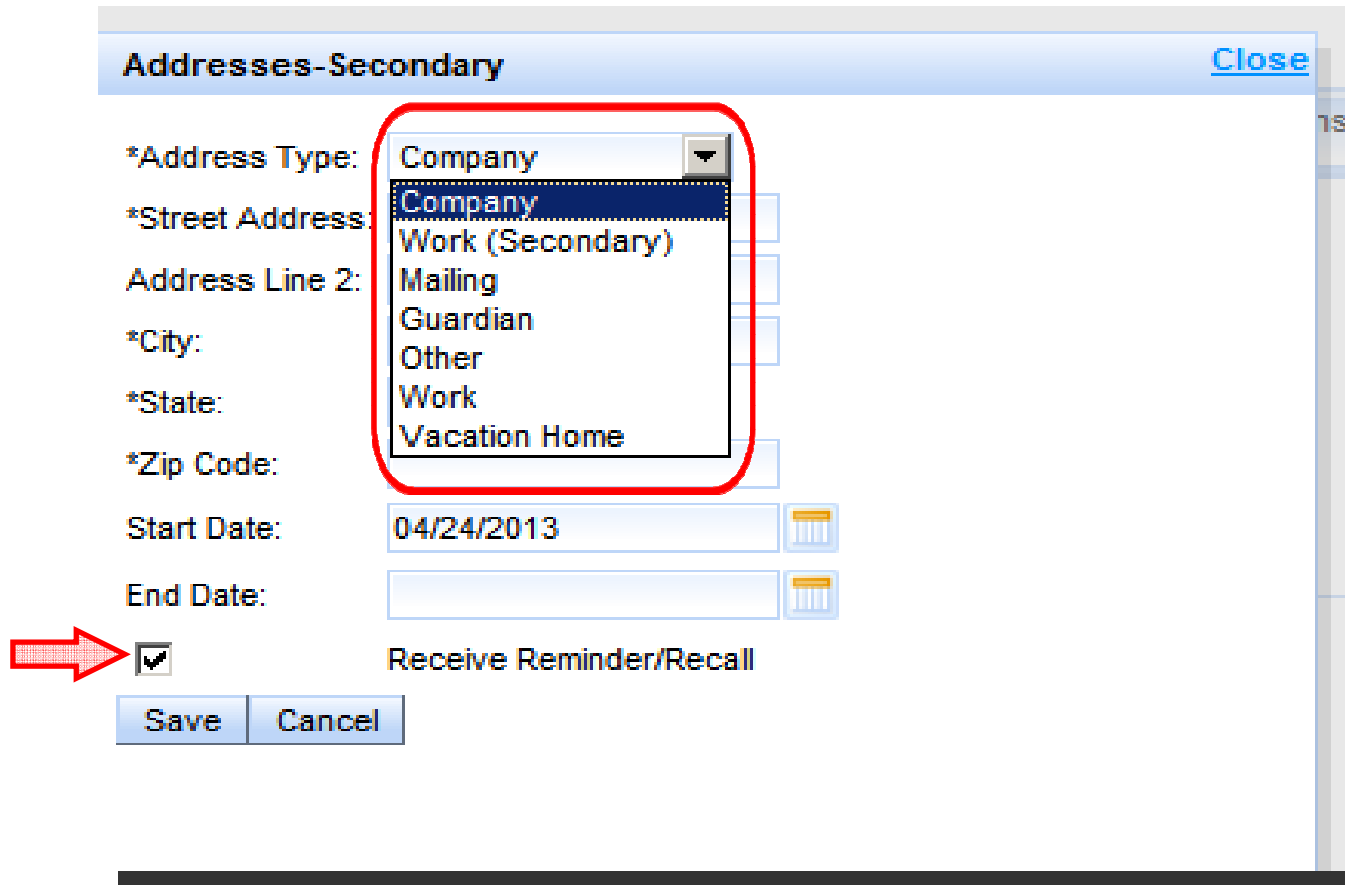
Save Cancel

Patient Demographics Data Sharing **Addresses** Caregivers Provider Information Birth Information Immunizations Clinical Comments

Addresses

Address Type	Street Address	City	State	Start Date	Action
Home	1234 Mulberry Lane	Boston	MA	04/24/2013	Edit
«««« «« « » »»»»					
Add Permanent Address Add Other Addresses Show/Hide History					

Addresses Tab (Cont'd) – Enter Secondary Addresses



The screenshot shows a software window titled "Addresses-Secondary" with a "Close" button in the top right corner. The form contains several fields: "*Address Type:" with a dropdown menu, "*Street Address:", "Address Line 2:", "*City:", "*State:", "*Zip Code:", "Start Date:" (with a calendar icon), "End Date:" (with a calendar icon), and a checkbox labeled "Receive Reminder/Recall". A red circle highlights the dropdown menu for "*Address Type:", which is open and shows a list of options: "Company", "Work (Secondary)", "Mailing", "Guardian", "Other", "Work", and "Vacation Home". A red arrow points to the "Receive Reminder/Recall" checkbox, which is checked. At the bottom of the form are "Save" and "Cancel" buttons.

Addresses-Secondary [Close](#)

*Address Type: Company
Company
Work (Secondary)
Mailing
Guardian
Other
Work
Vacation Home

*Street Address:

Address Line 2:

*City:

*State:

*Zip Code:

Start Date: 04/24/2013

End Date:

☒ Receive Reminder/Recall

Save Cancel

Check the *Receive Reminder/Recall* box if you want the patient to receive reminder letters or postcards at this address.

Caregivers Tab – Add/Edit Patient Caregiver Information

Birth Date: 03/01/2012 Age: 1 yr 1 mo Gender: N/A MRN: N/A MIIS ID: 143

Patient Test Address: 1234 Mulberry Lane Boston MA 02130 Phone: N/A

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

Save Cancel

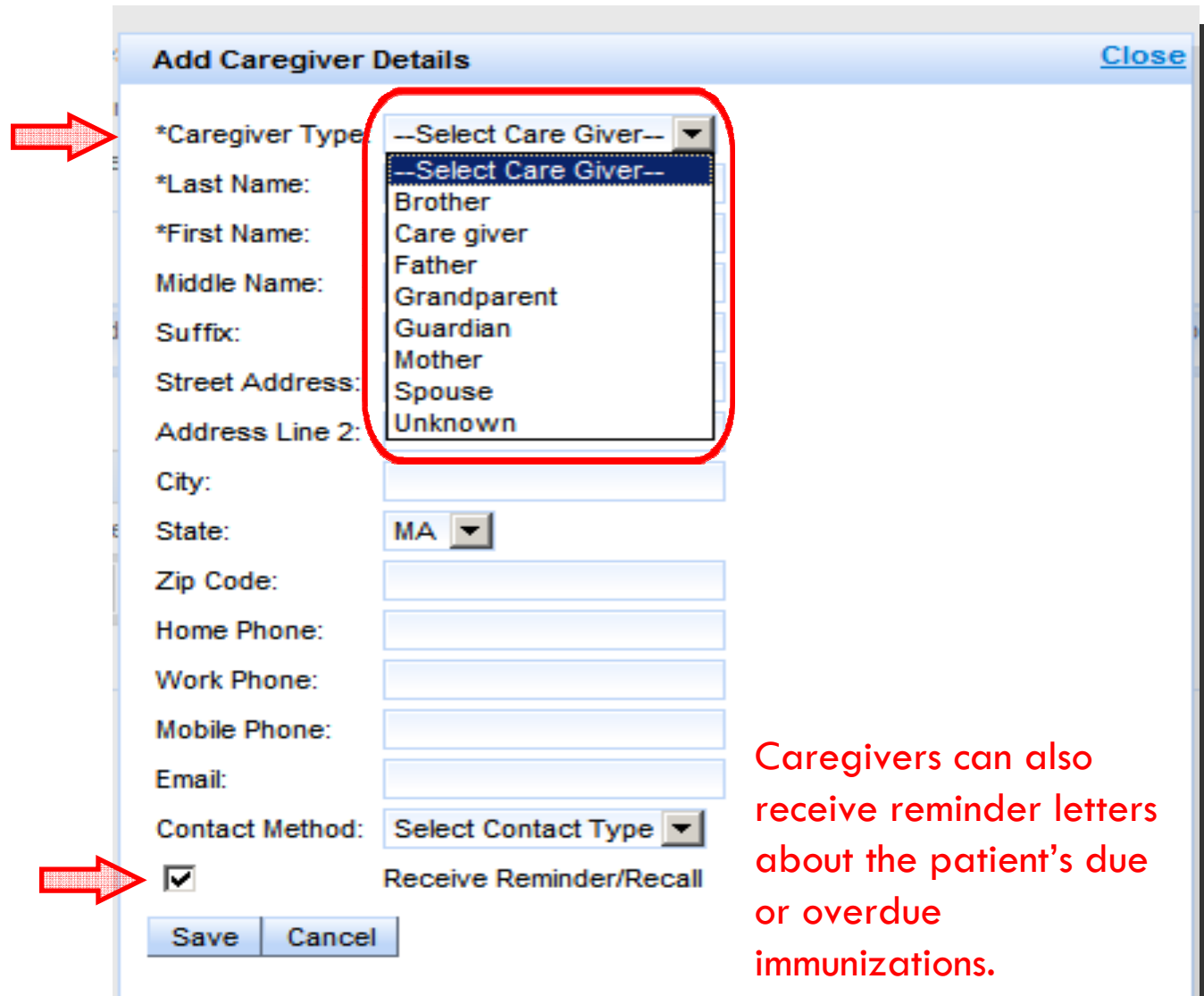
Patient Demographics Data Sharing Addresses **Caregivers** Provider Information Birth Information Immunizations Clinical Comments

Caregivers

Caregiver	Type	Street Address	City	State	Zip Code	Action
Mother, Test	Mother	1234 Mulberry Lane	Boston	MA	02130	Delete Edit

Add Caregiver

Caregivers Tab (Cont'd) – Enter Multiple Caregivers for Patient



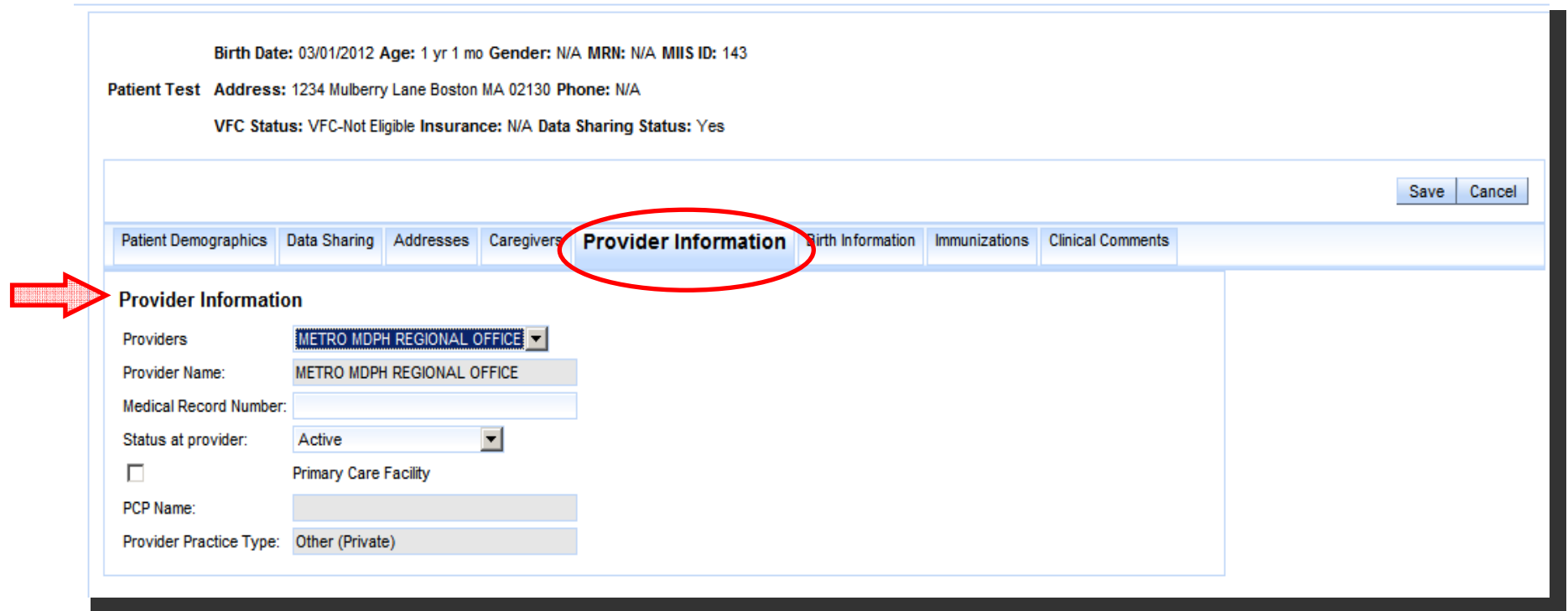
The screenshot shows a web form titled "Add Caregiver Details" with a "Close" link in the top right corner. The form contains the following fields:

- *Caregiver Type: A dropdown menu with a red arrow pointing to it. The dropdown is open, showing options: --Select Care Giver--, Brother, Care giver, Father, Grandparent, Guardian, Mother, Spouse, and Unknown. This dropdown is also enclosed in a red rounded rectangle.
- *Last Name: Text input field
- *First Name: Text input field
- Middle Name: Text input field
- Suffix: Text input field
- Street Address: Text input field
- Address Line 2: Text input field
- City: Text input field
- State: A dropdown menu showing "MA" with a small arrow icon.
- Zip Code: Text input field
- Home Phone: Text input field
- Work Phone: Text input field
- Mobile Phone: Text input field
- Email: Text input field
- Contact Method: A dropdown menu showing "Select Contact Type".
- ☒ Receive Reminder/Recall: A checkbox with a red arrow pointing to it.

At the bottom of the form are "Save" and "Cancel" buttons.

Caregivers can also receive reminder letters about the patient's due or overdue immunizations.

Provider Information Tab – Displays the Provider Organization You Belong To



Birth Date: 03/01/2012 Age: 1 yr 1 mo Gender: N/A MRN: N/A MIIS ID: 143

Patient Test Address: 1234 Mulberry Lane Boston MA 02130 Phone: N/A

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

Save Cancel

Patient Demographics Data Sharing Addresses Caregivers **Provider Information** Birth Information Immunizations Clinical Comments

Provider Information

Providers: METRO MDPH REGIONAL OFFICE

Provider Name: METRO MDPH REGIONAL OFFICE

Medical Record Number:

Status at provider: Active

☐ Primary Care Facility

PCP Name:

Provider Practice Type: Other (Private)

If you work at more than one provider practice, you will be prompted to select the provider you would like to log in as when you first log in to the MIIS.

Birth Information Tab – Birth Record from eVitals and Historical Birth Information

Birth Date: 03/01/2012 Age: 1 yr 1 mo Gender: N/A MRN: N/A MIIS ID: 143
Patient Test Address: 1234 Mulberry Lane Boston MA 02130 Phone: N/A
VFC Status: VFC-Not Eligible Insurance: N/A Data Sharing Status: Yes

Save Cancel

Patient Demographics Data Sharing Addresses Caregivers Provider Information **Birth Information** Immunizations Clinical Comments

Birth Information

Birth Record from eVitals

Birth Certificate Number: Birth Facility:
Multiple Birth ☐ Birth Order:
Birth City: Birth State:
Birth County: Birth Country:
Birth Mother Last Name: Birth Mother First Name:
Birth Mother Middle Name: Birth Mother Suffix:
Birth Mother Maiden Name: Birth Mother Home Phone:
Birth Mother Date of Birth:

The Birth Record from eVitals section is not editable by providers.

Historical Birth Information

Birth Certificate Number: Birth Facility:
Multiple Birth ☐ Birth Order:
Birth City: Birth State:
Birth County: Birth Country:
Birth Mother Last Name: Birth Mother First Name:
Birth Mother Middle Name: Birth Mother Maiden Name:
Birth Mother Home Phone:

The Historical Birth Information section is where providers can enter patient birth information.

Immunizations Tab – Review Immunization Histories and Click to Add Immunizations

Birth Date: 02/22/2007 Age: 6 yr 1 mo Gender: Female MRN: N/A Mill ID: 110 [Resolve Duplicate Patient](#)

Three Demo Address: 3050 South Street Jamaica Plain MA 02130 Phone: N/A

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

[Save](#) [Cancel](#)

[Patient Demographics](#) [Data Sharing](#) [Addresses](#) [Caregivers](#) [Provider Information](#) [Birth Information](#) **Immunizations** [Clinical Comments](#)

Immunizations

[Add Immunization](#)

Recommended Groups

Due

Overdue

[MMR](#)

Immunizations

DTPaP	02/07/2012	03/05/2013	History
HepA	02/04/2013	History	
HepB	02/07/2012	02/10/2012 (NV)	03/05/2013 History
Hib	02/07/2012	History	
Influenza	02/10/2013	03/05/2013 (NV)	History
Polio	03/05/2013	History	

Contraindications

allergy (anaphylactic) to previous dose of DTP;

Reports

[Immunization Forecast](#)

[Adult Certificate Of Immunization](#)

[Pediatric Certificate Of Immunization](#)

[Vaccine Administration Record PDF](#)

Support Materials

[0-18 yrs Schedule](#) [Adult Schedule](#) [Catch-up Schedule](#) [Simplified Schedule](#)

The Immunizations Tab allows you to review immunization histories and due/overdue recommended vaccine groups, add/edit immunizations, review clinical comments, and generate immunization reports.

Immunizations Tab – Add/Edit Immunizations

Immunizations can be marked as *Historical*, *Entered from Inventory*, and *Routine/Non-Routine* vaccine group.

The screenshot shows the 'Immunizations' form with the following fields and controls:

- Historical:** ☐ (circled in red)
- Enter from Inventory:** ☐ (circled in red)
- Type of Vaccine Group Administered:** ☒ Routine, ☐ Non-Routine, ☐ See all groups (circled in red)
- *Vaccine Group:** Select Vaccine Group (dropdown)
- *Vaccine:** Select Vaccine (dropdown)
- *Date(s) Given:** 03/18/2013 (calendar icon)
- Trade Name:** Select Trade Name (dropdown)
- *Lot Number:** (text field)
- *Manufacturer:** Select Mfg (dropdown)
- *Dosage:** Select Vaccine Dose (dropdown)
- Dosage Other:** (text field)
- *Route:** Select Vaccine Admin Route (dropdown)
- Site:** Select Vaccine Admin Site (dropdown)
- *State Supplied:** ☐
- *Admin By:** Test User 3
- *VIS Given:** 03/18/2013 (calendar icon)
- *VIS Publication Date:** Select VIS Publication Date (dropdown)
- *Date Reported:** 03/18/2013 (calendar icon)
- VFC Status:** VFC-Not Eligible (dropdown)
- Dosage Validity:** (text field)
- Change Dosage Validity:** (text field)
- Affected by Recall:** ☐ (circled in red)
- Expired Lot Administered:** ☐
- Add Another Immunization:** (button, circled in red)
- Reset:** (button)
- Save:** (button, circled in red)
- Cancel:** (button)

The Add Immunization screen allows you to enter multiple immunizations at the same time. Remember to click the Save button anytime you add or edit immunizations.

Immunizations Tab – Generate Immunization Reports

Birth Date: 02/22/2007 Age: 6 yr 1 mo Gender: Female MRN: N/A MHS ID: 110 [Resolve Duplicate Patient](#)

Three Demo Address: 3050 South Street Jamaica Plain MA 02130 Phone: N/A

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

Save Cancel

Patient Demographics Data Sharing Addresses Caregivers Provider Information Birth Information **Immunizations** Clinical Comments

Immunizations

[Add Immunization](#)

Recommended Groups

Due

Overdue

MMR

Immunizations

DTP/aP	02/07/2012	03/05/2013	History
HepA	02/04/2013	History	
HepB	02/07/2012	02/10/2012 (NV)	03/05/2013 History
Hib	02/07/2012	History	
Influenza	02/10/2013	03/05/2013 (NV)	History
Polio	03/05/2013	History	

Contraindications

allergy (anaphylactic) to previous dose of DTP;

Reports

[Immunization Forecast](#)

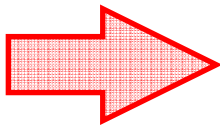
[Adult Certificate Of Immunization](#)

[Pediatric Certificate Of Immunization](#)

[Vaccine Administration Record PDF](#)

Support Materials

[0-16 yrs Schedule](#) [Adult Schedule](#) [Catch-up Schedule](#) [Simplified Schedule](#)



Reports

[Immunization Forecast](#)

[Adult Certificate Of Immunization](#)

[Pediatric Certificate Of Immunization](#)

[Vaccine Administration Record PDF](#)

Clinical Comments Tab

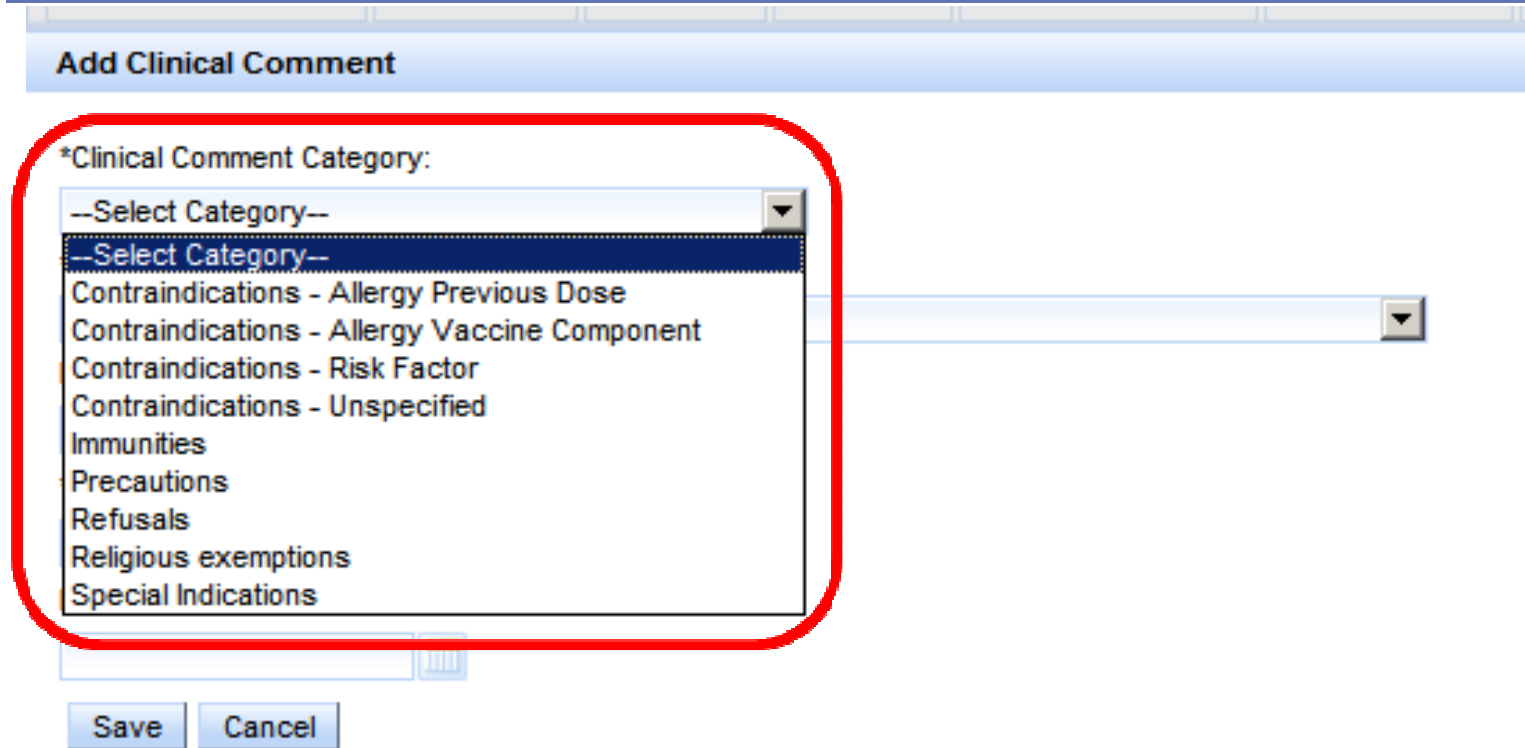
The screenshot shows a software interface with a top navigation bar containing several tabs: Patient Demographics, Data Sharing, Addresses, Caregivers, Provider Information, Birth Information, Immunizations, and Clinical Comments. The 'Clinical Comments' tab is selected and circled in red. Below the navigation bar, there are two red arrows pointing down to the 'Effective Date' and 'End Date' columns of the table. Another red arrow points down to the 'Status' column. The table has columns for Category, Clinical Comment, Date Given, Effective Date, End Date, Forecast Impact, Status, and Action. A row of data is shown with the following values: Category: 'Contraindications - Allergy Previous Dose', Clinical Comment: 'allergy (anaphylactic) to previous dose of DTaP', Date Given: '05/01/2012', Effective Date: '05/01/2012', End Date: (empty), Forecast Impact: 'Do not forecast: Diphtheria containing vaccines, Tetanus containing vaccines, Pertussis containing vaccines', Status: 'Active', and Action: 'Edit' (circled in red). At the bottom left, there is an 'Add' button circled in red. Below the table, there are several small navigation buttons: '<<<', '<<', '<', '>', '>>', and '>>>'.

Category	Clinical Comment	Date Given	Effective Date	End Date	Forecast Impact	Status	Action
Contraindications - Allergy Previous Dose	allergy (anaphylactic) to previous dose of DTaP	05/01/2012	05/01/2012		Do not forecast: Diphtheria containing vaccines, Tetanus containing vaccines, Pertussis containing vaccines	Active	Edit

[Add](#)

On the Clinical Comments Tab, you can review clinical comments that have been entered by other providers, add new clinical comments, or edit clinical comments that are no longer active for the patient.

Clinical Comments Tab (cont'd) – Categories



The screenshot shows a software window titled "Add Clinical Comment". Inside, there is a label "*Clinical Comment Category:" followed by a dropdown menu. The dropdown menu is open, displaying a list of categories. The first two items are "--Select Category--". The subsequent items are: "Contraindications - Allergy Previous Dose", "Contraindications - Allergy Vaccine Component", "Contraindications - Risk Factor", "Contraindications - Unspecified", "Immunities", "Precautions", "Refusals", "Religious exemptions", and "Special Indications". Below the dropdown menu, there are "Save" and "Cancel" buttons. A red rounded rectangle highlights the dropdown menu and its list of categories.

*Clinical Comment Category:

- Select Category--
- Select Category--
- Contraindications - Allergy Previous Dose
- Contraindications - Allergy Vaccine Component
- Contraindications - Risk Factor
- Contraindications - Unspecified
- Immunities
- Precautions
- Refusals
- Religious exemptions
- Special Indications

Save Cancel

Clinical Comments that can be entered in the MHS include *Contraindications, Immunities, Precautions, Refusals, Religious Exemptions and Special Indications.*

Reminder Recall Report – Input Parameters

Logged in as: Ccoppola at Board Of Health 123

Manage Patients

• Search

• New Patient

• Duplicate Patient Queue

• Duplicate Shot Queue

Patient Reports

• Reminder Recall

Reminder Recall Report Input Parameters

MIIS Immunization Management Reports

Reminder Recall Report

This report provides users with recommended vaccines, a history and summary of vaccines received and a reminder of the date timeframe and either Age or Birth date range.

Provider Selection Options

Choose a specific Provider and associated PIN(s)

Provider Site Name: Board Of Health 123

Available Vaccine PINs:

Selected Vaccine PINs:

= Add all

→ Add

← Remove

= Remove all

OR Choose a PIN range:

Vaccine PIN (FROM):

Vaccine PIN (TO):

OR Choose a Practice Type:

Practice Type: -- Select Practice Type --

Choose Selection Criteria:

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

*Age as of Date:

Reminder Recall Report – Output List of Patients Due/Overdue for Immunizations

The Reminder Recall Report generates a list of your patients who are due or overdue vaccines, according to the parameters you selected for the report. From the output page, you can also generate letters, postcards and address labels to send reminders to caregivers and patients.

Manage Patients

• Search

• New Patient

• Duplicate Patient Queue

• Duplicate Shot Queue

Patient Reports

• Reminder Recall

Reminder Recall Report

Recall Postcards Recall Letters Recall Labels

Note: Letters and postcards will only be printed for patients who have an address that is designated to Receive Reminder/Recall in the addresses or caregivers tab.

Massachusetts Immunization Information System(MIIS)
Massachusetts Department of Public Health(MDPH)

Reminder Recall Report

Selected Vaccine PINs: All Board of Health/Health Dept Practice PINs

Age Range: 0 Months - 261 Months

Age as of: 04/25/2013

Birth Date Range: N/A

Immunization Due Date Timeframe: Due Now

Text Language: English

VFC Eligibility Status: N/A

Vaccine Group: All Vaccines

Special Indications: N/A

Patient Status: Active

Insurance Providers: N/A

Primary Care Provider: N/A

Exclude Patients Overdue by More Than: N/A

Report run by : Carly Coppola

Organization: MDPH

Report run date: 04/25/2013 8:40 AM

Patient listing

Select to Print	Patient Name	Birth Date	Age	Gender	VFC Eligibility	Insurance	Address	Address Line 2	City	State	Zip	Overdue Groups	Due Groups	Additional Details
☒	TOM BRADY	10/15/1992	20 yr 6 mo	Male	VFC-Not Eligible		92 JETS AVE		QUINCY	MA	01288	[Measles Mumps Rubella, Human Papilloma Virus, Varicella]		Immunization Summary

Reminder Recall Report – Sample Letter for Caregivers and Patients

04/25/2013

Dear Parent/Caregiver of TED BEAN,

Our records show that TED BEAN is or was due for one or more immunization(s) on or shortly after 12/15/2008. The immunization history that we have on record appears below. If TED has received immunizations from another health care provider that are not listed below, please call our office at null so that we can update TED's record. Otherwise, please schedule an appointment for TED to receive them.

Immunization History and Recommendations for TED BEAN

Immunization	Date(s) Given	Recommendation(s)
HepB	04/08/2013	Next Due:05/08/2013
Rotavirus		Aged out/Completed/Not Recommended
DTP/aP		Aged out/Completed/Not Recommended
Hib		Aged out/Completed/Not Recommended
PCV		Aged out/Completed/Not Recommended
Polio		Overdue
Influenza	04/05/2013	Next Due:08/01/2013
MMR		Overdue
Varicella		Overdue
HepA		Overdue
MCV		Overdue
HPV		Overdue
MPSV		Aged out/Completed/Not Recommended
PPSV		Next Due:12/15/2008
Tdap	04/05/2013	Aged out/Completed/Not Recommended
Td		Next Due:05/03/2013