RESOURCE AND PATIENT MANAGEMENT SYSTEM

Immunization Interface Management

(BYIM)

Addendum to User Manual

Version 2.0 Patch 10
June 2019

Office of Information Technology
Division of Information Resource Management
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1.0 Introduction

Please review these changes and add a copy of them to any printed documentation your site may be using for the Indian Health Service (IHS) BYIM version 2.0 (v2.0) component. These changes will be integrated into future versions of the software and user manuals. These changes will no longer be considered an addendum at the time of the next version release.

This addendum only provides written guidance on changes made in the patch that are relevant to the user. To see a list of all changes please refer to the patch notes for each of the respective patches.

1.1 Summary of Changes

- The HL7 file format changes/additions below were made to the Immunization Data Exchange Parameters to comply with current CDC-HL7 Immunization Data Exchange standards:
  - Ability to choose HL7 version 2.5.1 R1.5 2016+.
  - NPI is included in ORC-12 segment when available.
  - Message Profile ID to MSH-21 and Responsible Sending Organization added to MSH-22 segment.
  - Added ability to use NDC code instead of CVX or CPT codes to identify administered vaccines in RXA-5.
  - Option to exclude PV1 segment.
  - Name identifier ‘M’ to PID-6.7, Mother’s Maiden Name component added.
  - MSH-7 segment contains date/time the message was created in the format: YYYYMMDDHHMMSS along with time offset.
  - MSH-15 segment will be sent as ‘ER’ to indicate the receiving application will only send an Acknowledgement message when an error occurred.
  - ‘ML’ in RXA-7 changed to ‘mL’ when there is a numeric value for volume of an administered vaccine in RXA-6.
  - PID-10.3 race code identifier changed to ‘CDCREC’
- Added the ability to allow division-specific exports for both primary and secondary data exchange state export.
2.0 Patch 10 Changes

2.1 BYIM Menu Changes

The main menu SET option label is changed from SET (SET UP Immunization Data Exchange Parameters) to SET (SETUP Options). See Figure 2-1.

When the user selects SET, new submenus display, as shown in Figure 2-2.

- **SET**: SET UP Immunization Data Exchange Parameters
- **ADD**: Define Additional Data Exchange States
- **IIS**: Add/Edit IIS Assigned Vaccine Inventory Codes
- **REL**: Review and Edit BYIM RELATIONSHIP Table Codes

2.2 SET (Immunization Data Exchange Parameter) Changes

Users will see a display of the current data exchange parameters for the primary site/division (Figure 2-3).
The user is given the option to edit parameters for the primary export state, add specific facilities for the primary state export, or add IIS codes to the primary export state (Figure 2-4).

Select one of the following:

1. Edit parameters for (primary export state)
2. Add specific FACILITY(IES) for (primary export state) export
3. Add (primary export state) specific IIS code(s)

**2.2.1 Edit Parameters for (Primary Export State)**

The new and modified parameter settings are as follows (see Figure 2-5):

- **Version in use**: MSH-12: 2.5.1 R1.5 2016+ added as a selection option
- **CVX or CPT for RXA-5**: NDC added as a selection option.
- **Exclude PV1 SEGMENT**: Select 0 (Exclude PV1) or 1 (Include PV1).
Choose from:
0 EXCLUDE PV1
1 INCLUDE PV1

State site exchanges with.....: (primary export state)\//

Figure 2-5: New and modified parameters

2.2.2 Add Specific Facility(ies) for (Primary Export State) Export

This menu option presents the following selections:

1. Select Facility to include in the export. Select option 1 to add facilities to a specific state export. A list of available facilities displays. When you select a facility, the following options display:

   - Edit IIS Facility Code for
   - State IIS Facility Code

![Table showing facility options](image)

Select another Facility to include in the export: CIMARRON HOSPITAL TUCSON 01

Edit IIS Facility Code for: CIMARRON HOSPITAL
State IIS Facility Code...: NM_CIM_4585\//

![Table showing facility options](image)

Select another Facility to include in the export:

2. Remove Facility from the export. Select option 2 to remove a facility from the state export. When you select a facility to remove from the list of currently assigned facilities, a new list displays reflecting the removal.

2.2.3 Add (Primary Export State) Specific IIS Code(s)

Select this menu option to add, edit, or delete an IIS-assigned vaccine inventory location code for facilities configured to export to the primary export state.
The selection options are as follows:

1. **Edit a listed Code**

2. **Add IIS Code for another Facility**

3. **Delete IIS Code for a Facility**

```
<table>
<thead>
<tr>
<th>ARIZONA IIS Assigned Vaccine Inventory Location Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO.</td>
</tr>
<tr>
<td>---</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
</tr>
</tbody>
</table>
```

Select one of the following:

1. Edit a listed Code
2. Add IIS Code for another Facility
3. Delete IIS Code for a Facility

Enter response:

**Figure 2-7: IIS code options**

### 2.2.4 Define Additional Data Exchange States

Option changes are as follows:

1. The **Define Additional Data Exchange Sites** option name is changed to **Define Additional Data Exchange States**.

2. The option now allows multi-divisional sites to set up division-specific exports for both primary and secondary data exchange state export. **Add specific FACILITY(IES) for State export** is added to the **Edit State** selection list.

3. The user is given the option to add more facilities to the export or delete facilities from the export.

```
<table>
<thead>
<tr>
<th>Additional EXPORT State Directories</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUM</td>
</tr>
<tr>
<td>---</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
```
FACILITY: 2013 DEMO TRIBE (978)  IIS CODE: NM_DEMO_978
FACILITY: 2013 DEMO HOSPITAL (2906)
FACILITY: 2013 DEMO CLINIC (2907)  IIS CODE: XYZ2019

Select one of the following:
1         Edit state
2         Add state
3         Delete state

Enter response: 1  Edit state

State: COLORADO
Path...: d:\hl7bridge\colorado\requests       Ages...: ALL AGES
MSH-3.1: CORPMS       MSH-3.2:       MSH-3.3:  
MSH-4.1: CORPMS       MSH-4.2:       MSH-4.3:  
MSH-5.1: CORPMS       MSH-5.2:       MSH-5.3:  
MSH-6.: comsh6       MSH-8.: CORPMS       Version: 2.5.1 R1.5
<2016
PID11.7: PERMANENT
PD1-3.1: CORPMS       PD1-3.2:       PD1-3.3:  
RXA-5.1: CVX ONLY     RXA-6.1: 888
File Extension.......: hl7                Protection Indicator: PI NOT NEEDED
Include/Exclude SSN.: EXCLUDE SSN       Include Insurance....: NO
Include/Exclude PV1.: INCLUDE PV1       Exchange State.......: COLORADO

Select one of the following:
1         Edit parameters for COLORADO
2         Add specific FACILITY(IES) for COLORADO export
3         Add COLORADO specific IIS code(s)

Which ADDITIONAL export function for COLORADO: 2  Add specific
FACILITY(IES) for COLORADO export

Facility(ies) to include in the
No.  COLORADO Additional state export       COLORADO IIS Code
---  --------------------------------------  -------------------
1    2013 DEMO HOSPITAL  (2906)

Select one of the following:
1         Select Facility to include in the export
2         Remove Facility from the export

Facility(ies) to include in the
No.  COLORADO Additional state export       COLORADO IIS Code
---  --------------------------------------  -------------------
1    2013 DEMO HOSPITAL  (2906)

Select another Facility to include in the export: 2013 DEMO CLINIC

Facility(ies) to include in the
No.  COLORADO Additional state export       COLORADO IIS Code
---  --------------------------------------  -------------------
1    2013 DEMO CLINIC  (2907)
Select one of the following:
1. Select Facility to include in the export
2. Remove Facility from the export

State: COLORADO
Path...: d:\hl7bridge\colorado\requests  Ages...: ALL AGES
MSH-3.1: CORPMS  MSH-3.2:  MSH-3.3:
MSH-4.1: CORPMS  MSH-4.2:  MSH-4.3:
MSH-5.1: CORPMS  MSH-5.2:  MSH-5.3:
MSH-6..: comsh6  MSH-8..: CORPMS  Version: 2.5.1 R1.5
<2016
PID11.7: PERMANENT
PD1-3.1: CORPMS  PD1-3.2:  PD1-3.3:
RXA-5.1: CVX ONLY  RXA-6.1: 888
File Extension......: hl7  Protection Indicator: PI NOT NEEDED
Include/Exclude SSN.: EXCLUDE SSN  Include Insurance...: NO
Include/Exclude PV1.: INCLUDE PV1  Exchange State.......: COLORADO

Select one of the following:
1. Edit parameters for COLORADO
2. Add specific FACILITY(IES) for COLORADO export
3. Add COLORADO specific IIS code(s)

Figure 2-8: Add facilities to state export
## Acronym List

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDC</td>
<td>Centers for Disease Control and Prevention</td>
</tr>
<tr>
<td>HL7</td>
<td>Health Level Seven</td>
</tr>
<tr>
<td>IHS</td>
<td>Indian Health Service</td>
</tr>
<tr>
<td>IIS</td>
<td>Immunization Information System</td>
</tr>
<tr>
<td>RPMS</td>
<td>Resource and Patient Management System</td>
</tr>
</tbody>
</table>
Contact Information

If you have any questions or comments regarding this distribution, please contact the OIT Help Desk (IHS).

Phone: (888) 830-7280 (toll free)
Web: https://www.ihs.gov/helpdesk/
Email: support@ihs.gov