RPMS Immunization Package
RPMS Immunization Package Resources

• Application documentation and files – IHS RPMS Site (www.ihs.gov/rpms)

• Trainings:
  – Recorded sessions and PowerPoints available at www.ihs.gov/epi
  • Click on “Vaccine Preventable Diseases” Link
  • Click on “Resources” link
  • Scroll down to section “IHS Immunization Software” Resources
Immunization Package Training Resources

Health Issues - Vaccine-Preventable Diseases

Resources

Immunization Schedules
- Recommended Immunization Schedule for Persons Age 0 Through 18 Years
- Catch-up Immunization Schedule: For persons age 4 months through 18 years who start late or who are more than 1 month behind — United States, 2012
- Recommended Adult Immunization Schedule by Vaccine and Age Group
- Recommended Vaccinations Indicated for Adults Based on Medical and Other Indications

Vaccine Posters and Brochures

Influenza

- Native Balance (PDF - 1.6MB)

- North Dakota Department of Health

- Pertussis Information
  - IHS Pertussis Presentation (PPT - 27KB)
  - Employees, Tada policy - Tuba City Regional Health Care Corporation (Word 44KB)
  - Tada vaccine policy 06 Unit - Tuba City, Regional Health Care Corporation (Word 40KB)
  - Pertussis Action Coalition standing orders
  - Pertussis Fact Sheet (Word 22KB)
  - Montana Pertussis Fact Sheet (Word 49KB)

- Pertussis Resources
  - CDC Pertussis website
  - Guidelines for the Control of Pertussis Outbreak
  - Northwest Portland Area Indian Health Board website
  - Pertussis resources from Rocky Mountain Tribal Epi Center
  - Shot by Shot
  - Unprotected people series

Policies & Guidelines
- IHS Data Sharing (PDF - 162KB)
- IHS MOGC (PDF - 59KB)
- AAP American Academy of Pediatrics Vaccine Statement (PDF - 143KB)

IHS Immunization Software Resources
- RPMS Immunization Package User Manual V8.5
- RPMS Immunization Package V8.5.4 - Patch Update
- RPMS Immunization Package V8.5.4 - Manager’s Menu
- RPMS Immunization Package V8.5.4 - Manager’s Menu (PPT - 804KB)
- RPMS Immunization Package V8.5.4 - Patient Menus/Lists and Letters
- RPMS Immunization Package V8.5.4 - Patient Menus/Lists and Letters (PPT - 1.9MB)
- RPMS Immunization Package V8.5.4 - Manager’s Menu
- RPMS Immunization Package V8.5.4 - Manager’s Menu (PPT - 2.3MB)
- RPMS Immunization Package V8.5.4 - Reports Menu
- RPMS Immunization Package V8.5.4 - Reports Menu (PPT - 2.3MB)
- RPMS Immunization Package V8.5.1
- National Immunization Reporting System (NIRS) Training (PDF - 220KB)
- RPMS OIT Training
- IHS Interface Guide (PDF - 55KB)

Other Immunization Resources
- CDC - National Immunization Program
- ACIP Recommendations
- Vaccine Information Statements (VIS)
- State Immunization Contacts
- Vaccine Adverse Event Reporting System (VAERS)
- Assessment, Feedback, Incentives, and Exchange (AFIX)
- NIP Answers Your Questions

Pfizer Vaccine Reminder Program
- Powerpoint presentation (PPT - 26KB)
- Reminder Agreement (Word 6KB)
What Version Am I using?

• Version of the Immunization Package

MAIN MENU at 2011 DEMO HOSPITAL

PAT  Patient Menu ...
REP  Reports Menu ...
MGR  Manager Menu ...
TCH Forecasting Version

- Can be found in the Report Text/Profile

---

**PATIENT IMMUNIZATION PROFILE**  Dec 02, 2014 10:11:23  Page: 1 of 8

**Patient:** DEMO, PCV  **DOB:** 08-Jan-2013 (22 mths)

**Chart #:** 12 at 2011 DEMO HOSPITA  **Active**  Female

---

Patient: DEMO, PCV  DOB: 08-Jan-2013 (22 mths)

**Texas Children's Hospital Forecaster v3.10.11**

---

<table>
<thead>
<tr>
<th>DATE</th>
<th>CVX</th>
<th>FORECAST</th>
<th>SCHEDULE</th>
<th>DOSE</th>
<th>STATUS</th>
</tr>
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<tbody>
<tr>
<td>05/14/2013</td>
<td>48</td>
<td>Hib</td>
<td>P1</td>
<td>1</td>
<td>V</td>
</tr>
<tr>
<td>07/02/2013</td>
<td>48</td>
<td>Hib</td>
<td>P2</td>
<td>2</td>
<td>V</td>
</tr>
<tr>
<td>03/12/2014</td>
<td>49</td>
<td>Hib</td>
<td>CB</td>
<td>B</td>
<td>V</td>
</tr>
<tr>
<td>10/07/2014</td>
<td>104</td>
<td>HepB</td>
<td>P1</td>
<td>1</td>
<td>V</td>
</tr>
<tr>
<td>10/07/2014</td>
<td>104</td>
<td>HepA</td>
<td>P1</td>
<td>1</td>
<td>I</td>
</tr>
</tbody>
</table>

Reason: Hep A-Hep B given 10/07/2014 is invalid Twinrix dose 18 years

Select Action: Quit//
Patch 8

• Released in May 2014
• To see recorded session on Patch 8: https://ihs.adobeconnect.com/_a1137116237/p26dznyqbo7/?launcher=false&fcsContent=true&pbMode=normal
• Changes:
  – New Immunization forecasting software
    • ImmServe replaced with Texas Children’s Hospital (TCH) software
    • ImmServe profile now called Report text
    • New versions of the TCH forecasting released independently of RPMS releases
  – Changes to site parameters (MGR menu)
    • Forecasting options parameter removed
      – Only 1 option, with and without 4 day grace period
    • Forecasting for Zoster and HPV for adults no longer optional
    • Flu forecasting for all patients (cannot limit to high risk)
    • High risk factor checked limited to Pneumococcal vaccine
Patch 9 Changes - MGR

MGR Menu

• **New NDC code menu option** – In the MGR menu sites can select “NDC Add/Edit” to add new NDC codes.

• **Creating new form letters from existing letters** - existing form letters can now be copied, modified, and re-saved as a new letter.

• **Hep B forecasting for adults with diabetes** - the software now includes the **OPTION** for sites to forecast hepatitis B vaccine for adults 19-59 years with diabetes, as outlined in the ACIP recommendation. This option is in the MGR/ESP menu, under parameter # 18 – “Enable/Disable High Risk Factor Checks”. **Note**: in order for this to work, sites must have the SURVEILLANCE DIABETES taxonomy loaded and the EHR reminder terms need to include HEP B NOS code.

• **Update Vaccine Table** – new influenza vaccine code 161 was added to the vaccine table, and VIS default dates were updated. Note that because VIS dates change, sites should review the default dates in the VIS table and make changes if needed.

• **New site parameter (#15) on the MGR/ESP menu** - allows sites to point to different location for TCH forecasting software.
**Patch 9 Changes - PAT**

**PAT Menu**

- **New Admin Date Field** – When documenting a vaccine administered, the date field will now display as “Visit Date”, and a new field – “Admin date“ - has been added. These fields were modified/added to comply with requirements from state immunization programs re: vaccine administration documentation.

- **New date field for VIS presented** - a new field ‘Presented” was added to document the date the VIS was presented to the patient. This is in addition to documenting the date of the VIS. The default date in the “Presented” field is the the Visit date.

- **Vac Eligibility Field** – this field is now a mandatory field. For adults 19 years and older, this field defaults to “V01 – Not VFC Eligible”.

- **Report text/Profile** - now contains Patient Name, Date of birth and age at the top of the Report Text

- **Change to invalid designation for combination vaccines** – when only one component of a combination is invalid, only that component is displayed as invalid
Immunization Package - Manager’s Menu
Some basic tips

• To go back to a previous screen, enter “^” (shift 6)
• To save changes and exit, hit the F1 key and “E” in quick succession
• To quit and go back to the previous screen WITHOUT saving changes, hit the F1 key and “Q” in quick succession
RPMS Immunization Package

• MENU SYSTEM
  – PAT Patient Menu ...
  – REP Report Menu ...
  – MGR Manager Menu ...
Manager’s Menu

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERR</td>
<td>Edit Patient Errors</td>
</tr>
<tr>
<td>CMG</td>
<td>Add/Edit Case Manager</td>
</tr>
<tr>
<td>CMT</td>
<td>Transfer a Case Manager’s Patients</td>
</tr>
<tr>
<td>SCN</td>
<td>Scan For Patients</td>
</tr>
<tr>
<td>ESP</td>
<td>Site Parameters Edit</td>
</tr>
<tr>
<td>LET</td>
<td>Form Letters Add/Edit</td>
</tr>
<tr>
<td>LOT</td>
<td>Lot Number Add/Edit</td>
</tr>
<tr>
<td>VAC</td>
<td>Vaccine Table Edit</td>
</tr>
<tr>
<td>ELI</td>
<td>Eligibility Table Edit</td>
</tr>
<tr>
<td>RES</td>
<td>Restandardize Vaccine Table</td>
</tr>
<tr>
<td>EXP</td>
<td>Export Immunizations</td>
</tr>
<tr>
<td>KEY</td>
<td>Allocate/Deallocate Imm Menu Keys</td>
</tr>
<tr>
<td>NDC</td>
<td>NDC Code Add/Edit</td>
</tr>
<tr>
<td>XVT</td>
<td>Export Vaccine Table to Excel File</td>
</tr>
</tbody>
</table>

You've got PRIORITY mail!

Select Manager Menu Option:
## NDC Code table

**DEMO HOSPITAL**

**EDIT NDC NUMBER TABLE**

(Listed by NDC Code)

<table>
<thead>
<tr>
<th>#</th>
<th>NDC Code</th>
<th>Vaccine</th>
<th>CVX</th>
<th>Product</th>
<th>Manufacturer</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>00004-0810-95</td>
<td>UNKNOWN</td>
<td>UNK</td>
<td>TAMIFLU</td>
<td>Not Recorded</td>
<td>Active</td>
</tr>
<tr>
<td>2</td>
<td>00005-0104-32</td>
<td>HibTITER</td>
<td>.47</td>
<td>HibTITER</td>
<td>Wyeth</td>
<td>Active</td>
</tr>
<tr>
<td>3</td>
<td>00005-1800-31</td>
<td>DTaP</td>
<td>.20</td>
<td>Acel-Imune</td>
<td>Pfizer, Inc</td>
<td>Active</td>
</tr>
<tr>
<td>4</td>
<td>00005-1858-31</td>
<td>DT-Peds</td>
<td>.28</td>
<td>DT</td>
<td>Sanofi Pasteur</td>
<td>Active</td>
</tr>
<tr>
<td>5</td>
<td>00005-1970-21</td>
<td>PCV-7</td>
<td>100</td>
<td>PREVNAR</td>
<td>Wyeth</td>
<td>Active</td>
</tr>
<tr>
<td>6</td>
<td>00005-1970-26</td>
<td>PCV-7</td>
<td>100</td>
<td>PREVNAR</td>
<td>Wyeth</td>
<td>Active</td>
</tr>
<tr>
<td>7</td>
<td>00005-1970-49</td>
<td>PCV-7</td>
<td>100</td>
<td>PREVNAR</td>
<td>Wyeth</td>
<td>Active</td>
</tr>
<tr>
<td>8</td>
<td>00005-1970-50</td>
<td>PCV-7</td>
<td>100</td>
<td>PREVNAR</td>
<td>Wyeth</td>
<td>Active</td>
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<tr>
<td>9</td>
<td>00005-1970-65</td>
<td>PCV-7</td>
<td>100</td>
<td>PREVNAR</td>
<td>Wyeth</td>
<td>Active</td>
</tr>
<tr>
<td>10</td>
<td>00005-1970-67</td>
<td>PCV-7</td>
<td>100</td>
<td>PREVNAR</td>
<td>Wyeth</td>
<td>Active</td>
</tr>
<tr>
<td>11</td>
<td>00005-1971-01</td>
<td>PCV-13</td>
<td>133</td>
<td>PREVNAR-13</td>
<td>Wyeth</td>
<td>Active</td>
</tr>
</tbody>
</table>

**889 NDCs: Scroll down to view more, or type ???.**

**A** Add an NDC Code  **E** Edit an NDC Code  **D** Display Inactives Yes/No

**C** Change List Order  **S** Search List

Select Action: Quit/
FORM LETTERS
Manager’s Menu

ERR    Edit Patient Errors
CMG    Add/Edit Case Manager
CMT    Transfer a Case Manager's Patients
SCN    Scan For Patients
-----------------------------
ESP    Site Parameters Edit
LET    Form Letters Add/Edit
LOT    Lot Number Add/Edit
VAC    Vaccine Table Edit
ELI    Eligibility Table Edit
RES    Restandardize Vaccine Table
EXP    Export Immunizations
KEY    Allocate/Deallocate Imm Menu Keys
NDC    NDC Code Add/Edit
XVT    Export Vaccine Table to Excel File

You've got PRIORITY mail!

Select Manager Menu Option:
Creating a New Form Letter

• Type in name for new form letter
• At prompt “Are you entering [your new letter name] as a new BI letter?” type “Y”
• Choose template to work from
  – Standard Due Letter
  – Official Immunization Record
  – Standard Due letter – forecast first
  – C - to copy existing letter, modify and save with new name – New in Patch 9!
Creating New Form Letter

* ADD A NEW FORM LETTER *

You have chosen to add a new Form Letter. In order to save you time, this program will load a Sample Form Letter, which you may then edit to suit the purpose of your new Form Letter.

There are three Sample Form Letters to choose from:

1) Standard Due Letter
2) Official Immunization Record
3) Standard Due Letter--Forecast First

Or you may choose to copy an existing customized Form Letter and then make changes to it under the new Form Letter you are creating.

Please enter "1" to select the Standard Due Letter, "2" to select the Official Immunization Record, "3" to select the Standard Due Letter (with the Forecast listed first and the History following), or enter "C" to copy an existing Form Letter.

Enter 1, 2, 3, or C: ■
Form Letter: yes

Jimmy's Immies Clinic
7 Your Street
Your City, ST 77777

Date of Birth: |BI DATE OF BIRTH|

Chart#: |BI CHART

Scroll down to view more. Type ?? for more action

T Top           F Forecast          C Closing
H History      B Bottom          P Print
Sample Letter  D Date/Loc       X Delete
Form Letter

Select Action: Quit//
When editing the letter, if your screen looks like this...

top:

FORT DEFIANCE Indian Hospital
1920 Herkimer Drive
FORT DEFIANCE, AZ 28719

|BI TODAY|

+ Scroll down to view more. Type ?? for more action

23> Dear Parent or Guardian:
24>
25> Your child, |BI NAME FIRST|, is due for immunizations. According to our records, the following immunizations have already been received:

EDIT Option:
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERR</td>
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</tr>
<tr>
<td>ESP</td>
<td>Site Parameters Edit</td>
</tr>
<tr>
<td>PKG</td>
<td>Package Setup Information</td>
</tr>
<tr>
<td>LET</td>
<td>Form Letters Add/Edit</td>
</tr>
<tr>
<td>LOT</td>
<td>Lot Number Add/Edit</td>
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<td>Allocate/Deallocate Imm Menu Keys</td>
</tr>
<tr>
<td>XVT</td>
<td>Export Vaccine Table to Excel File</td>
</tr>
</tbody>
</table>

Select Manager Menu Option: ^tbox
In User Toolbox, Select “Edit User Characteristics”

Select Manager Menu Option: ^tbox
User's Toolbox

Change my Division
Display User Characteristics
Edit User Characteristics
Electronic Signature code Edit
Menu Templates ...
Spooler Menu ...
Switch UCI
TaskMan User
User Help

Select User's Toolbox Option: edit
Accept Default Terminal

Select TERMINAL TYPE NAME: C-VT100//

HIT ENTER TO ACCEPT DEFAULT TERMINAL
Change Preferred Editor to Screen Editor

INITIAL: AG
PHONE:
NICK NAME: AMY
OFFICE PHONE:
VOICE PAGER:
DIGITAL PAGER:

ASK DEVICE TYPE AT SIGN-ON:
  AUTO MENU: YES, MENUS GENERATED
  TYPE-AHEAD: ALLOWED
  TEXT TERMINATOR:
  PREFERRED EDITOR: SCREEN EDITOR - VA FILEMAN
  NETWORK USERNAME:

Want to edit VERIFY CODE (Y/N):

COMMAND:

F1 + E to save and exit
FORT DEFIANCE Indian Hospital
1920 Herkimer Drive
FORT DEFIANCE, AZ 28719

|BI TODAY|
SCREEN EDITOR SUMMARY OF KEY SEQUENCES – Editing Letters

**Navigation**
- Incremental movement: Arrow keys
- One word left and right: <Ctrl-J> and <Ctrl-L>
- Next tab stop to the right: <Tab>
- **Jump left and right**: <F1><Left> and <F1><Right>
- Beginning and end of line: <F1><F1><Left> and <F1><F1><Right>
  - or: <Find> and <Select>
  - or: <Home> and <End>
- Screen up or down: <F1><Up> and <F1><Down>
  - or: <Prev Scr> and <Next Scr>
  - or: <Page Up> and <Page Down>
- Top or bottom of document: <F1>T and <F1>B
- Go to a specific location: <F1>G

**Exiting/Saving**
- Exit and save text: <F1>E
- Quit with optional save: <F1>Q or <Ctrl-E>
- Exit, save, and switch editors: <F1>A
- Save without exiting: <F1>S
- Enter minutes for AutoSave: <F1><F1>S
Editing Letters, cont.

Deleting
- Character before cursor: <Backspace>
- Character at cursor: <F4> or <Delete>
- From cursor to end of word: <Ctrl-W>
- From cursor to end of line: <F1><F2>
- Entire line: <F1>D

Settings/Modes
- Wrap/no wrap mode toggle: <F2>
- Insert/replace mode toggle: <F3> or <Insert Here> or <Insert>
- Set/clear tab stop: <F1><Tab>
- Enter columns for tab stops: <F1><F1><Tab>
- Set left margin: <F1>,
- Set right margin: <F1>.
- Status line toggle: <F1>?
Editing Letters, cont.

**FORMATTING**
- Join current line to next line: <F1>J
- Reformat paragraph: <F1>R

**Finding**
- Find text: <F1>F
- Find next occurrence of text: <F1>N
- Find/RePlace text: <F1>P

**Cutting/Copying/Pasting**
- Select (Mark) text: <F1>M at beginning and end of text
- Unselect (Unmark) text: <F1><F1>M
- Delete selected text: <Delete> or <Backspace> on selected text
- Cut and save to buffer: <F1>X on selected text
- Copy and save to buffer: <F1>C on selected text
- Paste from buffer: <F1>V
- Move text to another location: <F1>X at new location
- Copy text to another location: <F1>C at new location
SITE PARAMETERS EDIT
Site Parameters Edit (ESP)

ERR    Edit Patient Errors
CMG    Add/Edit Case Manager
CMT    Transfer a Case Manager's Patients
SCN    Scan For Patients

--------------------
ESP    Site Parameters Edit

LET    Form Letters Add/Edit
LOT    Lot Number Add/Edit
VAC    Vaccine Table Edit
ELI    Eligibility Table Edit
RES    Restandardize Vaccine Table
EXP    Export Immunizations
KEY    Allocate/Dealocate Imm Menu Keys
NDC    NDC Code Add/Edit
XVT    Export Vaccine Table to Excel File

You've got PRIORITY mail!

Select Manager Menu Option:
Site Parameters Edit (ESP)

1) Default Case Manager..........: DEMO, DOCTOR
2) Other Location................: 2011 DEMO HOSPITAL HEADQUARTERS WEST
3) Standard Imm Due Letter ......: Standard Due Letter
4) Official Imm Record Letter...: Official Immunization Record
5) Facility Report Header.......: DEMO HOSPITAL
6) Host File Server Path........: C:\PUB\
7) Minimum Days Last Letter.....: 60 days
8) Minimum vs Recommended Age...: Minimum Acceptable Age
9) 4-Day Grace Period option....: 4-Day Grace Period Used
10) Lot Number Options..........: NOT Required, Default Low Supply Alert=50
11) Pneumo routine age to begin..: Begin Pneumo at 65 years
12) Forecasting (Imms Due).......: Enabled
13) Chart# with dashes..........: No Dashes (123456)
14) User as Default Provider.....: Yes
15) IP Address for TCH Forecaster..: 127.0.0.1
16) GPRA Communities............: 1 Communities selected for GPRA.
17) Inpatient Visit Check.........: Disabled
18) High Risk Factor Check.......: Enabled Hep B and Pneumo
19) Import CPT-coded Visits......: Disabled
20) Visit Selection Menu.........: Disabled (Link Visits automatically)
Minimum vs. Recommended

• If forecasting set to “Minimum”
  – Vaccine will be forecast as soon as the minimum interval and/or age is reached
    • 2nd dose of MMR will be forecast 1 month after 1st dose (as early as 13 months)
    • 2nd dose of varicella will forecast 3 months after 1st dose (as early as 15 months)
    • HPV vaccine will start forecasting at 9 years of age
Childhood Schedule - Done by One

• Primary series at 6 weeks, 4, 6 months
  – DTaP, Polio, Hib, Hep B, PCV, Rotavirus

• Remaining doses at 12 months
  – 4\textsuperscript{th} DTaP, 3\textsuperscript{rd}/4\textsuperscript{th} Hib; 4\textsuperscript{th} PCV; MMR, VAR, Hep A
Rationale for Childhood Schedule (Done By One - DBO)

• The DBO schedule complies with the ACIP recommendations BUT
• Is more aggressive.
• In IHS, coverage with the 4\textsuperscript{th} dose of DTaP and the 4\textsuperscript{th} dose of PCV lag behind coverage with other vaccines. By forecasting these vaccines at 12 months, there are more opportunities for the child to receive them before they turn 2 years of age.
• Other benefits include:
  – Providing protection at the earliest possible age;
  – Reducing the number of visits where vaccines are needed;
  – Simpler to explain to parents.
  – Several states have adopted the DBO as their official immunization schedule
  – Most commonly used schedule for RPMS sites in the IHS-funded system.
Adolescent Schedule

• Adolescent
  – Any remaining childhood vaccines as appropriate
  – Tdap, Meningococcal, HPV for males and females at 11 years
    • Booster Mening at 16 years
Adult Schedule

• **Routine**
  - Tdap for those not previously vaccinated, regardless of interval with Td
  - PPSV23 for those 65 years (or earlier if set up in MGR menu)
  - Hep A and B IF previous dose given.
  - Zoster for those 60 years and older
  - HPV for females 19 – 26 years, males 19-21
  - HPV for males 22 - 26 years IF first dose received after 21 years

• **Optional**
  - PPSV23 for high risk patients (based on 2 high risk ICD9 codes)
  - Hepatitis B for adults 19- 59 years with Diabetes – NEW IN PATCH 9!
    - At least one visit ever with any ICD9 diagnosis code in the 250 series
    - No previous Hep B vaccine history
# High Risk ICD-9 Taxonomy for Pneumo

<table>
<thead>
<tr>
<th>ICD 9 Code</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>042.0-043.09, 044.9</td>
<td>HIV infection</td>
</tr>
<tr>
<td>250.00-250.93</td>
<td>Diabetes</td>
</tr>
<tr>
<td>303.90-303.91</td>
<td>Alcohol Dependency</td>
</tr>
<tr>
<td>428.0-428.9, 429.2</td>
<td>CHF</td>
</tr>
<tr>
<td>492.0-492.8</td>
<td>Emphysema</td>
</tr>
<tr>
<td>493.00-493.91</td>
<td>Asthma</td>
</tr>
<tr>
<td>494.0-496.</td>
<td>Bronchiectasis, CLD, COPD</td>
</tr>
<tr>
<td>501-505</td>
<td>Pneumoconioses</td>
</tr>
<tr>
<td>571.0-571.9</td>
<td>Chronic Liver Dis.</td>
</tr>
<tr>
<td>581.0-581.9</td>
<td>Nephrotic Syndrome</td>
</tr>
<tr>
<td>585.</td>
<td>Renal Failure</td>
</tr>
<tr>
<td>865.00 - 865.19</td>
<td>Spleen Injury</td>
</tr>
<tr>
<td>996.80-996.89</td>
<td>Transplant</td>
</tr>
<tr>
<td>V42.0-V42.89</td>
<td>Kidney Transplant</td>
</tr>
<tr>
<td>V58.1-V58.11</td>
<td>Chemotherapy</td>
</tr>
<tr>
<td>V67.2</td>
<td>Chemotherapy f/u</td>
</tr>
</tbody>
</table>
Influenza Forecasting

• Influenza
  – Forecast for all ages 6 months and older
  – August 1\textsuperscript{st} – March 31\textsuperscript{st}
  – 2 doses for children as indicated
  – Children who need 2 doses but only receive one will continue to have flu forecast through June 30\textsuperscript{th}
LOT NUMBER ADD/EDIT
Manager’s Menu

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERR</td>
<td>Edit Patient Errors</td>
</tr>
<tr>
<td>CMG</td>
<td>Add/Edit Case Manager</td>
</tr>
<tr>
<td>CMT</td>
<td>Transfer a Case Manager's Patients</td>
</tr>
<tr>
<td>SCN</td>
<td>Scan For Patients</td>
</tr>
<tr>
<td>ESP</td>
<td>Site Parameters Edit</td>
</tr>
<tr>
<td>LET</td>
<td>Form Letters Add/Edit</td>
</tr>
<tr>
<td>LOT</td>
<td>Lot Number Add/Edit</td>
</tr>
<tr>
<td>VAC</td>
<td>Vaccine Table Edit</td>
</tr>
<tr>
<td>ELI</td>
<td>Eligibility Table Edit</td>
</tr>
<tr>
<td>RES</td>
<td>Restandardize Vaccine Table</td>
</tr>
<tr>
<td>EXP</td>
<td>Export Immunizations</td>
</tr>
<tr>
<td>KEY</td>
<td>Allocate/Deallocate Imm Menu Keys</td>
</tr>
<tr>
<td>NDC</td>
<td>NDC Code Add/Edit</td>
</tr>
<tr>
<td>XVT</td>
<td>Export Vaccine Table to Excel File</td>
</tr>
</tbody>
</table>

You've got PRIORITY mail!

Select Manager Menu Option:
## DEMO HOSPITAL

### EDIT LOT NUMBER TABLE

(Listed by Unused Doses)

<table>
<thead>
<tr>
<th>#</th>
<th>Lot Number</th>
<th>Vaccine</th>
<th>Status</th>
<th>Exp Date</th>
<th>Start</th>
<th>Unused</th>
<th>Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UH224AA*HX</td>
<td>FLU-TIVhX</td>
<td>Active</td>
<td>06/30/11</td>
<td>100</td>
<td>-421</td>
<td>CHEROKEE</td>
</tr>
<tr>
<td>2</td>
<td>UH184AA</td>
<td>FLU-TIVhX</td>
<td>Active</td>
<td>06/30/11</td>
<td>10</td>
<td>-272</td>
<td>2011 DEM</td>
</tr>
<tr>
<td>3</td>
<td>AHAVB319AA</td>
<td>HEP A PED</td>
<td>Active</td>
<td>08/19/11</td>
<td>40</td>
<td>-97</td>
<td>2011 DEM</td>
</tr>
<tr>
<td>4</td>
<td>U3009BA</td>
<td>DTaP</td>
<td>Active</td>
<td>07/23/11</td>
<td>30</td>
<td>-96</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>AHAVB312AA</td>
<td>HEP A PED</td>
<td>Active</td>
<td>06/24/11</td>
<td>20</td>
<td>-92</td>
<td>2011 DEM</td>
</tr>
<tr>
<td>6</td>
<td>UH184AA*HX</td>
<td>FLU-TIVhX</td>
<td>Active</td>
<td>06/30/11</td>
<td>1000</td>
<td>-70</td>
<td>CHEROKEE</td>
</tr>
<tr>
<td>7</td>
<td>AFLUA560AA</td>
<td>FLU-TIVhX</td>
<td>Active</td>
<td>06/30/11</td>
<td>160</td>
<td>-65</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>C3486AA</td>
<td>Tdap</td>
<td>Active</td>
<td>07/07/12</td>
<td>2</td>
<td>-52</td>
<td>2011 DEM</td>
</tr>
<tr>
<td>9</td>
<td>1016Z</td>
<td>HPV-4</td>
<td>Active</td>
<td>11/22/12</td>
<td>10</td>
<td>-43</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>U3507AA</td>
<td>MENING-CV4</td>
<td>Active</td>
<td>12/02/11</td>
<td>20</td>
<td>-41</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>AHAVB446AA</td>
<td>HEP A PED</td>
<td>Active</td>
<td>02/04/13</td>
<td>30</td>
<td>-40</td>
<td></td>
</tr>
</tbody>
</table>

+ 343 Lots: Scroll down to view more, or type ??.

Select Action: Quit//
Lot Number: UH224AA*HX

Vaccine: INFLUENZA, SPLIT [TIVhx] (INCL PU (FLU-TIVhx))

Status: Active
Expiration Date: JUN 30, 2011

Manufacturer: SANOFI PASTEUR
Source: IHS/Tribal

Default NDC Code:

Starting Count: 100
Doses Unused: Doses Used: 521
Low Supply Alert: (calculated)

Facility: CHEROKEE INDIAN HOSPITAL

Press <PF1>H for help
Using the SubLot field

Use if you have:
• 2 lots of vaccine that you need to track separately because they are different sources, e.g.
  – VFC and facility purchased flu vaccine
  – IHS clinic and Tribal PHN program
• Satellite facilities sharing same RPMS database
  – Decide how to distinguish different facilities, and put in Sublot field
• Information in Sublot field is appended with * to the lot #
  – 6564783*VFC
  – 657193208*CHEM
Use of “Facility” field

• Use with caution!

• If you enter a facility in the Facility field, then only users logged in under that facility can see that Lot#

• Useful if you have satellite clinics that share the same RPMS database but receive/manage their own vaccine inventory
Wrong Vaccine

- Help! I entered the lot number but picked the wrong vaccine – I put Hep B ADLT instead of Hep B Ped. I can’t change the vaccine type in the lot table, and the system won’t let me enter a duplicate lot number! What do I do?????

- In Lot Table, choose “E” to Edit Lot #.
- Change the lot# by adding a “z” in the front of the lot #
  – Warning re: changing lot# will pop up
- Change Status to Inactive
- You can now re-renter the lot#, and pick the correct vaccine
Lot Number: zuh224aa
Vaccine: INFLUENZA, SPLIT [TIVhx] (INCL PU

CAUTION!

Changing an existing Lot Number will affect historical patient data. Previous immunizations that used the old Lot Number will now show the new one.

Facility: CHEROKEE INDIAN HOSPITAL

NOTE! Changing the text of an existing Lot Number should be done with caution, as it affects existing historical data.

COMMAND: Close Press <PF1>H for help Insert
Lot Number: 12345

Lot Number: Z12345       Vaccine: HEP B, ADULT
Sub-lot:               (HEP B ADLT)

Status: Inactive       Manufacturer: ABBOTT LABORATORIES
Expiration Date: DEC 31, 2011   Source:
Default NDC Code:

Starting Count: 100    Doses Unused: 49    Doses Used: 51
Low Supply Alert: 50
(calculated)

Facility:

Enter the date on which this Lot Number expires.

Press <PF1>H for help    Insert
But wait! There’s more!

- We have some patients who had received this lot#, and now their records say they got Hep B Adlt when really it was Hep B Ped. What do we do?
- Go to Lists and Letters in the Patient Menu
- Change the following parameters:
  - Age group (e.g. 0 – 100 years)
  - Patient group – include Active AND Inactive
  - Lot # - enter the lot # WITH THE Z IN FRONT OF IT
- This will give you a list of patients who received the lot associated with the wrong vaccine
  - You can then choose “E” to edit each patient in that list – go into the patient record and edit the immunization visit to change the vaccine type and change the correct lot# (without the Z).
IMMUNIZATION LISTS & LETTERS

1 - Date of Forecast/Clinic..: 06-Mar-2013
2 - Age Range.................: 0-100 Years
3 - Patient Group (01).......: Active, Inactive

4 - Community..................: ALL
5 - Case Manager...............: ALL
6 - Designated Provider......: ALL
7 - Immunizations Received...: ALL
8 - Immunizations Due........: ALL
9 - Health Care Facility.....: DEMO HOSPITAL
10 - Lot Number.................: z12345

11 - Additional Information...: None
12 - Order of Listing.........: by Patient Age
13 - Include Deceased........: No

Select a left column number to change an item.
List of Patients Print Due Letters Help
Select Action: Quit//
CIHA HOSPITAL

Report Date: 06-Mar-2013       Total Patients: 2 (0-100 Years) *01   Patient Group: Active, Inactive

-------------------------------------------------------------------------------
Facility: DEMO HOSPITAL
-------------------------------------------------------------------------------
Lot Number: z12345
-------------------------------------------------------------------------------

<table>
<thead>
<tr>
<th>Name</th>
<th>HRCN#</th>
<th>DOB</th>
<th>Age Today</th>
<th>Sex</th>
<th>Current Community</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEMO,PATA</td>
<td>145863</td>
<td>09/14/2004 (8 yrs)</td>
<td>M</td>
<td>M</td>
<td>WOLFTOWN</td>
</tr>
</tbody>
</table>

Enter ?? for more actions
Edit Patient                            Print List (no queuing)
Select Action: Quit//E
Manager’s Menu

ERR    Edit Patient Errors
CMG    Add/Edit Case Manager
CMT    Transfer a Case Manager's Patients
SCN    Scan For Patients

-------------------------------
ESP    Site Parameters Edit
LET    Form Letters Add/Edit
LOT    Lot Number Add/Edit
VAC    Vaccine Table Edit

ELI    Eligibility Table Edit
RES    Restandardize Vaccine Table
EXP    Export Immunizations
KEY    Allocate/Deallocate Imm Menu Keys
NDC    NDC Code Add/Edit
XVT    Export Vaccine Table to Excel File

You've got PRIORITY mail!

Select Manager Menu Option:
Vaccine Table

• Includes
  – Short Name of vaccine used in RPMS
    • Cannot change
  – CVX (aka Immunization) code for each vaccine
    • Cannot change or add. Based on standard code table maintained by CDC
  – Active/Inactive status for vaccines
  – VIS default dates
  – Default volume
  – Forecasting (Yes/No)
<table>
<thead>
<tr>
<th>#</th>
<th>Vaccine</th>
<th>CVX</th>
<th>Active</th>
<th>Lot#</th>
<th>Dflt</th>
<th>VIS Dflt</th>
<th>Vol Dflt</th>
<th>Forecast</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ACTHIB</td>
<td>(48)</td>
<td>Active</td>
<td></td>
<td></td>
<td>10/22/14</td>
<td>0.5 ml</td>
<td>YES</td>
</tr>
<tr>
<td>2</td>
<td>ADENO, oral.</td>
<td>(143)</td>
<td>Inactive</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>NO</td>
</tr>
<tr>
<td>3</td>
<td>ADENOV, NOS.</td>
<td>(82)</td>
<td>Inactive</td>
<td></td>
<td></td>
<td>0.5 ml</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>ADENOVI, T4.</td>
<td>(54)</td>
<td>Inactive</td>
<td></td>
<td></td>
<td>0.5 ml</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>ADENOVI, T7.</td>
<td>(55)</td>
<td>Inactive</td>
<td></td>
<td></td>
<td>0.5 ml</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>ANTHRAX</td>
<td>(24)</td>
<td>Inactive</td>
<td></td>
<td></td>
<td>03/10/10</td>
<td>0.5 ml</td>
<td>NO</td>
</tr>
<tr>
<td>7</td>
<td>BCG</td>
<td>(19)</td>
<td>Inactive</td>
<td></td>
<td></td>
<td></td>
<td>0.5 ml</td>
<td>NO</td>
</tr>
<tr>
<td>8</td>
<td>BOTULINUM</td>
<td>(27)</td>
<td>Inactive</td>
<td></td>
<td></td>
<td></td>
<td>0.5 ml</td>
<td>NO</td>
</tr>
<tr>
<td>9</td>
<td>CHOLERA</td>
<td>(26)</td>
<td>Inactive</td>
<td></td>
<td></td>
<td></td>
<td>0.5 ml</td>
<td>NO</td>
</tr>
<tr>
<td>10</td>
<td>CMVIG</td>
<td>(29)</td>
<td>Active</td>
<td></td>
<td></td>
<td></td>
<td>0.5 ml</td>
<td>NO</td>
</tr>
<tr>
<td>11</td>
<td>COMVAX</td>
<td>(51)</td>
<td>Active</td>
<td></td>
<td></td>
<td>10/22/14</td>
<td>0.5 ml</td>
<td>NO</td>
</tr>
<tr>
<td>12</td>
<td>DENGUE FEV.</td>
<td>(56)</td>
<td>Inactive</td>
<td></td>
<td></td>
<td></td>
<td>0.5 ml</td>
<td>NO</td>
</tr>
<tr>
<td>13</td>
<td>DIPHTHERIA</td>
<td>(12)</td>
<td>Inactive</td>
<td></td>
<td></td>
<td></td>
<td>0.5 ml</td>
<td>NO</td>
</tr>
</tbody>
</table>

Scroll down to view more. Type ?? for more actions

E Edit Vaccine   C Change List Order   H Help
                    F Forecasting   P Print List

Select Action: Quit//
Vaccine Table, cont.

• If your facility does not use a particular vaccine (e.g. ActHib), can inactivate in the Vaccine table
  – Providers can still enter this as a historical vaccine, but will not be able to use this code for vaccines they administer

• NOS – stands for Not Otherwise Specified.
  – NOS codes should NOT be used for vaccines administered at the facility, but may be used if historical vaccine info lacks specific vaccine type
Forecasting

• Generally you should NOT turn off forecasting for a vaccine in the vaccine table
• Does not turn off the forecasting for just the one vaccine
• Individual vaccines are part of a vaccine group
• Turning off the forecasting for a vaccine actually turns off forecasting for that entire group of vaccines
  – Example: if you turn off forecasting for ActHib, you are actually turning off the forecasting for ALL Hib vaccines
  – If you turn off forecasting for PCV13, you turn off all Pneumo vaccines (including PPSV23)
## DEMO HOSPITAL

### EDIT VACCINE GROUP FORECASTING

<table>
<thead>
<tr>
<th>#</th>
<th>Vaccine Group</th>
<th>Forecast</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DTORP.........</td>
<td>YES</td>
</tr>
<tr>
<td>2</td>
<td>FLU...........</td>
<td>YES</td>
</tr>
<tr>
<td>3</td>
<td>H1N1...........</td>
<td>NO</td>
</tr>
<tr>
<td>4</td>
<td>HEPA...........</td>
<td>YES</td>
</tr>
<tr>
<td>5</td>
<td>HEPB...........</td>
<td>YES</td>
</tr>
<tr>
<td>6</td>
<td>HIB............</td>
<td>YES</td>
</tr>
<tr>
<td>7</td>
<td>HPV............</td>
<td>YES</td>
</tr>
<tr>
<td>8</td>
<td>MENING.........</td>
<td>YES</td>
</tr>
<tr>
<td>9</td>
<td>MMRORME.......</td>
<td>YES</td>
</tr>
<tr>
<td>10</td>
<td>OORIPV.........</td>
<td>YES</td>
</tr>
<tr>
<td>11</td>
<td>PNEUMO.........</td>
<td>YES</td>
</tr>
<tr>
<td>12</td>
<td>ROTAVIRUS......</td>
<td>YES</td>
</tr>
<tr>
<td>13</td>
<td>TD_B...........</td>
<td>YES</td>
</tr>
</tbody>
</table>

+ Scroll down to view more. Type ?? for more actions

C  Change Vaccine Group

Select Action: Quit//
ELIGIBILITY TABLE
Manager’s Menu

ERR  Edit Patient Errors
CMG  Add/Edit Case Manager
CMT  Transfer a Case Manager's Patients
SCN  Scan For Patients

-------------------------
ESP  Site Parameters Edit
LET  Form Letters Add/Edit
LOT  Lot Number Add/Edit
VAC  Vaccine Table Edit

ELI  Eligibility Table Edit

RES  Restandardize Vaccine Table
EXP  Export Immunizations
KEY  Allocate/Deallocate Imm Menu Keys
NDC  NDC Code Add/Edit
XVT  Export Vaccine Table to Excel File

You’ve got PRIORITY mail!

Select Manager Menu Option:
Vaccine Eligibility Codes

• Vaccine eligibility is collected in the Patient record for each dose of vaccine administered
• Previous vaccine eligibility codes were limited to codes for Vaccines for Children eligibility
• Some states (OR!) are now requiring collection of eligibility status for non-VFC vaccines
• New vaccine eligibility codes have been added for each state. Can be renamed for local use.
  – E.g. state provides Tdap vaccine for uninsured adults
• Non-VFC vaccine eligibility codes are currently only available in the roll and scroll environment, not in EHR
Using Vaccine Eligibility Codes

• BEFORE USING NEW NON-VFC VACCINE ELIGIBILITY CODES, CHECK WITH YOUR STATE RE: THEIR VACCINE ELIGIBILITY REQUIREMENTS

• Also check with your IHS Area Immunization Coordinator
Activating Vaccine Eligibility Codes

• Go to Manager’s Menu
• Select ELI – Eligibility Table Edit
• Active Eligibility Codes appear at the top
  – Note: all VFC codes – V01 – V07 – are defaulted to ‘Active’
• To activate a new vaccine eligibility code, scroll to find the codes for your state
• Select ‘E’ to Edit code
• Type in line number for code you wish to edit
#    Code       Label of Code           Status   Local Text                                Report Tx
1    999.......Unknown................Active....Unable to obtain......Unknown
2    AKA-01.....ALASKA-01..............Active....adultuninsured........adlunin
3    ASA-05.....AMERICAN SAMOA-05......Active....unisured adults........uninad
4    V01.......Not Eligible...........Active....Not Eligible..............NotElig
5    V02.......Medicaid................Active....Medicaid................Medicaid
6    V03.......Uninsured...............Active....Uninsured...............Uninsured
7    V04.......Am Indian/AK Native....Active....Am Indian/AK Native...AmIn/AKNa
8    V05.......Underinsured Fed Qual..Active....Underinsured Fed Qua..Under/Fed
9    V06.......State-specific Elig....Active....State-specific Elig...State
10   V07.......Local-specific Elig....Active....Local-specific Elig...Local
11   AKA-02.....ALASKA-02..............Inactive................................
12   AKA-03.....ALASKA-03..............Inactive................................
13   AKA-04.....ALASKA-04..............Inactive................................

+ Scroll down to view more. Type ?? for more actions

E  Edit Elig Code    H  Help

Select Action: Quit//
Activating Vaccine Eligibility Codes, cont.

- Change status to “Active”
- Local Text – add label for code as you want it to appear in your system (20 character limit)
  - E.g. ‘Adult uninsured’
- Report Abbreviation
  - Type in label for report display (9 character limit)
Elig Code: AKA-01
Code Label/Text: ALASKA-01
Active Status: Active
Local Text: adultuninsured
Report Abbreviation: adlunin

ACTIVE: ACTIVE//
Resources

• RPMS Immunization Package User manual
  – Available on the RPMS Clinical Applications Website
  http://www.ihs.gov/RPMS/PackageDocs/BI/bi__085u.pdf

• IHS Immunization Program Website
  – http://www.ihs.gov/epi/index.cfm?module=epi_vaccine_main