=============================================================================

Run Date: MAR 14, 2016 Designation: PX\*1\*215 TEST v1

Package : PCE PATIENT CARE ENCOUNTER Priority : MANDATORY

Version : 1 Status : UNDER DEVELOPMENT

=============================================================================

Associated patches: (v)PX\*1\*186 <<= must be installed BEFORE `PX\*1\*215'

(v)PX\*1\*195 <<= must be installed BEFORE `PX\*1\*215'

(v)PX\*1\*210 <<= must be installed BEFORE `PX\*1\*215'

(u)PSN\*4\*448 <<= must be installed BEFORE `PX\*1\*215'

Subject: PCE IMMUNIZATION ENHANCEMENTS - INCREMENT 3

Category: DATA DICTIONARY

ENHANCEMENT

OTHER

ROUTINE

Description:

===========

Note: Patch PSN\*4\*448 must be installed before installing patch PX\*1\*215.

The Veterans Health Information Systems and Technology Architecture

(VistA) Immunizations Enhancements (VIMM) 2.0 project, Increment 3, builds

upon the file structures and standardized data introduced in Increments 1

and 2 by adding functional enhancements to the existing VistA Patient Care

Encounter (PCE) package.

This patch provides the following new features:

1) This patch creates Remote Procedure Calls (RPCs) for use by the

Enterprise Health Management Platform (eHMP) project, the

Computerized Patient Record System (CPRS) software, Data Access Service

(DAS) and others. These RPCs retrieve immunization information from the

following files:

- VACCINE INFORMATION STATEMENT (#920)

- IMMUNIZATION INFO SOURCE (#920.1)

- IMM ADMINISTRATION ROUTE (#920.2)

- IMM ADMINISTRATION SITE (BODY) (#920.3)

- IMM CONTRAINDICATION REASONS (#920.4)

- IMM REFUSAL REASONS (#920.5)

- V IMM CONTRA/REFUSAL EVENTS (#9000010.707)

- IMM MANUFACTURER (#9999999.04)

- IMMUNIZATION (#9999999.14)

- IMMUNIZATION LOT (#9999999.41)

2) This patch introduces functionality for capturing the reason(s) an

immunization was not given by documenting immunization

contraindications and/or refusal events. This functionality includes

the following:

- Creation of the V IMM CONTRA/REFUSAL EVENTS file (#9000010.707)

- A WARNING UNTIL DATE may be stored for temporary

contraindications/refusals. This is the date until which the

contraindication/refusal is valid.

- When an immunization for a patient is associated with valid

contraindications/refusals (WARNING UNTIL DATE is not a past date),

the software will display a warning and the user will be required to

acknowledge the warning and enter a justification reason before

continuing with administration.

3) This patch inactivates the PCE CODE MAPPING file (#811.1). The file

will still exist, but the mappings in the file will no longer be used

to determine which related entries in the V IMMUNIZATION (#9000010.11),

V SKIN TEST (#9000010.12), and V CPT (#9000010.18) files need to

reflexively be recorded. From now on, the mappings in the CODING SYSTEM

multiple of the IMMUNIZATION (#9999999.14) and SKIN TEST (#9999999.28)

files will be used for this purpose. There are a few differences with

this new approach:

a) The PCE CODE MAPPING file was managed locally, while the CODING

SYSTEM multiple of the IMMUNIZATION and SKIN TEST files are

standardized and managed nationally.

b) We will now support mappings to ICD-10 codes. If an immunization

or skin test is mapped to an ICD-10 code, when that immunization

or skin test is documented, we will reflexively file the mapped

ICD-10 code to the V POV file (#9000010.07).

c) We will stop the practice of reflexively recording an immunization

or skin test when a corresponding CPT code is filed. The mappings

will only be used to reflexively file the corresponding codes (CPT

and ICD-10) when an immunization or skin test is documented.

However, in the reverse scenario, when a CPT code is documented,

we will not reflexively record the corresponding immunization or

skin test.

d) Codes will only reflexively be filed when a VA-administered

(non-historical) immunization or skin test is documented.

4) This patch includes functionality to enable a documenting provider to

view some immunization prompts with default values to accept and to

edit the responses if need be. This functionality includes:

- Creation of the IMM DEFAULT RESPONSES file (#920.05) to store

facility specific default values by immunization type for ROUTE OF

ADMINISTRATION, SITE OF ADMINISTRATION, DOSE, DOSE UNITS, and COMMENTS.

- Creation of the Immunization Default Responses Enter/Edit menu option

[PXV EDIT DEFAULT RESPONSES] to allow authorized users to enter or

update information in the IMM DEFAULT RESPONSES file (#920.05).

5) This patch updates the NDC CODE (VA) field (#.18) in the IMMUNIZATION

LOT file (#9999999.41) so that access to information in the NDC/UPN

file (#50.67) is controlled by application programmer interfaces

(APIs).

Patch Components:

-----------------

APIs Associated:

API New/Modified/Deleted

----------- --------------------

DATA2PCE^PXAPI (ICR #1889) Modified

GETENC^PXAPI (ICR #1894) Modified

ENCEVENT^PXKENC (ICR #1894) Modified

VICR^PXPXRM (ICR #4250) New

VICR^PXPXRMI1 (ICR #4519) New

DQSAVE^PXRPC (ICR #6386) New

IMMSTAT^PXAPIIM (ICR #6387) New

Files & Fields Associated:

File Name (Number) Field Name (Number) New/Modified/Deleted

------------------ ------------------- --------------------

IMM DEFAULT RESPONSES

(#920.05) FACILITY (#.01) New

IMMUNIZATION (multiple

field #1, sub-file

#920.051) New

IMMUNIZATION (#.01) of

the IMMUNIZATION

sub-file (#920.051) New

ROUTE OF ADMINISTRATION

(#1302) of the

IMMUNIZATION sub-file

(#920.051) New

SITE OF ADMINISTRATION

(#1303) of the

IMMUNIZATION sub-file

(#920.051) New

DOSE (#1312) of the

IMMUNIZATION sub-file

(#920.051) New

DOSE UNITS (#1313) of the

IMMUNIZATION sub-file

(#920.051) New

COMMENTS (#81101) of the

IMMUNIZATION sub-file

(#920.051) New

IMM CONTRAINDICATION

REASONS (#920.4) CONCEPT CODING SYSTEM (#.05) Modified

IMM ROUTES TO SITES

(#920.6) ROUTE (#.01) New

SITES (multiple field #1,

sub-file #920.61) New

SITES (#.01) of the SITES

sub-file (#920.61) New

V IMMUNIZATION

(#9000010.11) WARNING ACKNOWLEDGED (#1220) New

WARNING OVERRIDE REASON

(#1601) New

V IMM CONTRA/REFUSAL

EVENTS (#9000010.707) CONTRAINDICATION/REFUSAL

(#.01) New

PATIENT NAME (#.02) New

VISIT (#.03) New

IMMUNIZATION (#.04) New

WARN UNTIL DATE (#.05) New

DATE/TIME RECORDED (#.06) New

EVENT DATE AND TIME (#1201) New

ENCOUNTER PROVIDER (#1204) New

EDITED FLAG (#80101) New

AUDIT TRAIL (#80102) New

COMMENTS (#81101) New

VERIFIED (#81201) New

PACKAGE (#81202) New

DATA SOURCE (#81203) New

IMMUNIZATION LOT

(#9999999.41) NDC CODE (VA) (#.18) Modified

PCE CODE MAPPING N/A Modified

(#811.1)

Forms Associated:

Form Name File # New/Modified/Deleted

--------- ------ --------------------

N/A

Mail Groups Associated:

Mail Group Name New/Modified/Deleted

--------------- --------------------

N/A

Options Associated:

Option Name Type New/Modified/Deleted

----------- ---- --------------------

PXV EDIT DEFAULT RESPONSES Run Routine New

PX PCE CODE MAPPING LIST Print Modified

Protocols Associated:

Protocol Name New/Modified/Deleted

------------- --------------------

PXCE ADD/EDIT MENU Modified

PXCE ICR ADD New

RPCs Associated:

RPC New/Modified/Deleted

------------- --------------------

PX SAVE DATA Modified

PXVIMM ADMIN CODES New

PXVIMM ADMIN ROUTE New

PXVIMM ADMIN SITE New

PXVIMM ICR LIST New

PXVIMM IMM DETAILED New

PXVIMM IMM LOT New

PXVIMM IMM MAN New

PXVIMM IMM SHORT LIST New

PXVIMM IMMDATA New

PXVIMM INFO SOURCE New

PXVIMM VICR EVENTS New

PXVIMM VIS New

Security Keys Associated:

Security Key Name

-----------------

N/A

Templates Associated:

Template Name Type File Name (Number) New/Modified/Deleted

------------- ---- ------------------ --------------------

N/A

Additional Information:

-----------------------

N/A

New Service Requests (NSRs):

----------------------------

N/A

Patient Safety Issues (PSIs):

-----------------------------

PSPO #2995

PSPO #3069

Defect Tracking System Ticket(s) & Overview:

--------------------------------------------

1. INC000001294271

R4956462FY15

R6300645FY16

Related Patient Safety Issues:

------------------------------

PSPO #2995

PSPO #3069

Problem:

--------

PCE CODE MAPPING issues are causing duplicate or incorrect entries to

be documented to the V IMMUNIZATION file.

Resolution:

-----------

The PCE CODE MAPPING file will be deprecated. Instead we will use the

CODING SYSTEM multiple of the IMMUNIZATION and SKIN TEST files.

Test Sites:

----------

Cleveland, OH

Heartland-East HCS, MO

San Antonio, TX

Software and Documentation Retrieval Instructions:

----------------------------------------------------

Software being released as a host file and/or documentation describing

the new functionality introduced by this patch are available.

The preferred method is to retrieve files from download.vista.domain.ext.

This transmits the files from the first available server. Sites may

also elect to retrieve files directly from a specific server.

Sites may retrieve the software and/or documentation directly using Secure

File Transfer Protocol (SFTP) from the ANONYMOUS.SOFTWARE directory at the

following OI Field Offices:

Albany: ftpserver.domain.ext

Hines: ftpserve.domain.ext

Salt Lake City: ftpsrv.domain.ext

Documentation can also be found on the VA Software Documentation Library

at:

http://www4.domain/vdl/

Title File Name FTP Mode

------------------------------------------------------------------

Patient Care Encounter (PCE) PX\_1\_UM\_R0816.PDF (binary)

V. 1.0 User Manual

Patient Care Encounter (PCE) PX\_1\_TM\_R0816.PDF (binary)

V.1.0 Technical Manual

Clinical Reminders (PXRM) PXRM\_INDEX\_TM.PDF (binary)

Index Technical Manual

Patch Installation:

Pre/Post Installation Overview:

-------------------------------

The post-installation process will generate a report from the PCE CODE

MAPPING file (#811.1) for review. The report will contain all active

mappings where either a) an inactive immunization was mapped to a CPT

code; or b) a CPT code was mapped to an immunization or skin test. The

report will be emailed to the user who installed the patch and to the mail

group specified in the REMINDER MANAGEMENT MAILGROUP field (#3) of the

CLINICAL REMINDER PARAMETERS file (#800). The report will also be sent to

the VHA National Center for Health Promotion and Disease Prevention (NCP)

for review. If it is determined that patient charts may have been affected

with erroneous data prior to the inactivating of the PCE CODE MAPPING file

with this patch, the site will be contacted and instructed to submit a

help desk ticket for resolution.

Pre-Installation Instructions:

------------------------------

Patch PSN\*4\*448 must be installed before installing patch PX\*1\*215.

Installation Instructions:

--------------------------

This patch should be installed during a period of minimal system activity,

preferably with users off the system. Installation time is expected to be

approximately 10 minutes.

1. Choose the PackMan message containing this patch.

2. Choose the INSTALL/CHECK MESSAGE PackMan option.

3. From the Kernel Installation and Distribution System Menu, select

the Installation Menu. From this menu, you may elect to use the

following options. When prompted for the INSTALL NAME enter the patch

# (PX\*1.0\*215):

a. Backup a Transport Global - This option will create a backup

message of any routines exported with this patch. It will not

backup any other changes such as DDs or templates.

b. Compare Transport Global to Current System - This option will

allow you to view all changes that will be made when this patch

is installed. It compares all components of this patch

(routines, DDs, templates, etc.).

c. Verify Checksums in Transport Global - This option will allow

you to ensure the integrity of the routines that are in the

transport global.

d. Print Transport Global - This option will allow you to view the

components of the KIDS build.

4. From the Installation Menu, select the Install Package(s) option and

choose the patch to install. Enter PX\*1.0\*215.

5. When prompted 'Want KIDS to Rebuild Menu Trees Upon Completion of

Install? YES//'

Answer YES.

6. When prompted 'Want KIDS to INHIBIT LOGONs during the install?

NO//'

Answer NO.

7. When prompted 'Want to DISABLE Scheduled Options, Menu Options,

and Protocols? NO//'

Answer NO.

Post-Installation Instructions:

-------------------------------

N/A

Routine Information:

====================

The second line of each of these routines now looks like:

;;1.0;PCE PATIENT CARE ENCOUNTER;\*\*[Patch List]\*\*;Aug 12, 1996;Build 6

The checksums below are new checksums, and

can be checked with CHECK1^XTSUMBLD.

Routine Name: PXAI

Before: B40979532 After: B42819168 \*\*15,74,69,102,111,112,130,164,

168,215\*\*

Routine Name: PXAIICR

Before: n/a After: B5253575 \*\*215\*\*

Routine Name: PXAIICRV

Before: n/a After: B12775865 \*\*215\*\*

Routine Name: PXAIIMM

Before: B14255138 After: B16045767 \*\*45,124,209,210,215\*\*

Routine Name: PXAPIIM

Before: B2741056 After: B71572750 \*\*210,215\*\*

Routine Name: PXCEAE

Before: B32867509 After: B33109650 \*\*37,67,99,147,156,172,195,215\*\*

Routine Name: PXCEAE1

Before: B29168014 After: B29262597 \*\*22,73,199,201,210,215\*\*

Routine Name: PXCEICR

Before: n/a After: B18593217 \*\*215\*\*

Routine Name: PXCEVFI1

Before: B23924796 After: B31566267 \*\*23,73,112,136,143,124,184,

185,210,215\*\*

Routine Name: PXCEVFI2

Before: B34344095 After: B37818294 \*\*22,73,95,96,124,158,184,215\*\*

Routine Name: PXCEVFIL

Before: B43615497 After: B44185519 \*\*9,30,22,73,88,89,104,147,124,

169,210,215\*\*

Routine Name: PXCEVIMM

Before: B83423957 After: B85247952 \*\*27,124,199,201,210,215\*\*

Routine Name: PXKENC

Before: B29230371 After: B29334197 \*\*15,22,73,108,143,183,210,215\*\*

Routine Name: PXKFCPT1

Before: B23838795 After: B24656697 \*\*11,73,124,194,209,215\*\*

Routine Name: PXKFICR

Before: n/a After: B1725753 \*\*215\*\*

Routine Name: PXKFIMM

Before: B4427968 After: B5142444 \*\*22,124,201,209,210,215\*\*

Routine Name: PXKFPOV1

Before: n/a After: B9458058 \*\*215\*\*

Routine Name: PXKMAIN

Before: B55417967 After: B55424847 \*\*22,59,73,88,69,117,130,124,

174,164,210,215\*\*

Routine Name: PXKMAIN2

Before: B10938982 After: B25599936 \*\*69,186,215\*\*

Routine Name: PXPXRM

Before: B88904295 After:B119717537 \*\*119,199,210,215\*\*

Routine Name: PXPXRMI1

Before: B55159505 After:B104225670 \*\*119,194,210,215\*\*

Routine Name: PXRPC

Before:B109684381 After:B155861488 \*\*200,209,210,215\*\*

Routine Name: PXVNDC

Before: n/a After: B1277332 \*\*215\*\*

Routine Name: PXVP215

Before: n/a After: B44574293 \*\*215\*\*

Routine Name: PXVRESP

Before: n/a After: B3798384 \*\*215\*\*

Routine Name: PXVRPC1

Before: n/a After: B70359613 \*\*215\*\*

Routine Name: PXVRPC2

Before: n/a After: B29476719 \*\*215\*\*

Routine Name: PXVRPC3

Before: n/a After: B28618741 \*\*215\*\*

Routine Name: PXVRPC4

Before: n/a After:B131321819 \*\*215\*\*

Routine Name: PXVRPC5

Before: n/a After: B35105697 \*\*215\*\*

Routine Name: PXVUTIL

Before: B10006565 After: B13284181 \*\*201,210,215\*\*

Routine Name: PXVZRT

Before: B71159926 After: B82546869 \*\*206,215\*\*

Routine list of preceding patches: 168, 186, 195, 206, 210

=============================================================================

User Information:

Entered By : Date Entered : OCT 26,2015

Completed By: Date Completed:

Released By : Date Released :

=============================================================================