RESOURCES AND PATIENT MANAGEMENT SYSTEM

Clinical Reminders

(PXRM)

Technical Manual

Version 2.0
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Office of Information Technology
Division of Information Technology
Albuquerque, New Mexico
Table of Contents

1.0 Introduction ................................................................. 1
  1.1 Journaling ................................................................. 1

2.0 Implementation and Maintenance ..................................... 3
  2.1 Minimum System Requirements ................................... 3
  2.2 Package-Wide Variables ............................................ 3

3.0 Menus ........................................................................ 4
  3.1 Menu Diagram .......................................................... 4
  3.1.1 Clinical Reminders Manager Menu ......................... 4
  3.2 Exported Menu ......................................................... 5

4.0 Routines ...................................................................... 8
  4.1 Routines and Descriptions Table .................................. 8

5.0 Files ........................................................................... 15
  5.1 File List ................................................................. 15
  5.1.1 File Numbers and Names ....................................... 15
  5.2 File Descriptions ...................................................... 15
  5.3 File Security ............................................................. 20
  5.4 Cross-references ....................................................... 21
  5.4.1 CLINICAL REMINDER PARAMETERS ..................... 21
  5.4.2 REMINDER DIALOG ............................................ 22
  5.4.3 REMINDER GUI PROCESS .................................... 24
  5.4.4 REMINDER FINDING ITEM PARAMETER ................ 24
  5.4.5 REMINDER FINDING TYPE PARAMETER ................ 24
  5.4.6 REMINDER DIALOG PATIENT ASSOCIATION ........... 25
  5.4.7 REMINDER RESOLUTION STATUS ....................... 26
  5.4.8 HEALTH FACTOR RESOLUTION ......................... 27
  5.4.9 REMINDER FUNCTION FINDING ......................... 27
  5.4.10 REMINDER REPORT TEMPLATE ............................ 27
  5.4.11 REMINDER EXTRACT DEFINITION ....................... 29
  5.4.12 REMINDER EXTRACT SUMMARY ......................... 30
  5.4.13 REMINDER LIST RULE ....................................... 32
  5.4.14 REMINDER PATIENT LIST .................................... 33
  5.4.15 REMINDER EXTRACT COUNTING RULE ............... 34
  5.4.16 REMINDER COUNTING GROUP ............................ 35
  5.4.17 REMINDER LOCATION LIST .................................. 35
  5.4.18 REMINDER TAXONOMY ....................................... 36
  5.4.19 EXPANDED TAXONOMIES .................................... 39
  5.4.20 REMINDER COMPUTED FINDINGS ......................... 40
  5.4.21 REMINDER TERM ............................................... 41
  5.4.22 REMINDER SPONSOR ......................................... 43
  5.4.23 REMINDER CATEGORY ........................................ 44
5.4.24 REMINDER EXCHANGE ................................................................. 45
5.4.25 REMINDER DEFINITION ............................................................. 46

6.0 Internal Relations .............................................................................. 53
7.0 External Relations ............................................................................. 54
  7.1 Remote Procedure ........................................................................... 54
  7.2 Database Integration Agreements ....................................................... 54

8.0 Security Keys .................................................................................. 56
9.0 Archiving and Purging ..................................................................... 57

10.0 Generating Online Documentation ............................................... 58
  10.1 %INDEX ....................................................................................... 58
  10.2 List File Attributes ........................................................................ 58

11.0 SAC Requirements and Exemptions ............................................. 60
12.0 Callable Routines ........................................................................... 63

Appendix A: Build File Print ................................................................. 64
Glossary ............................................................................................... 78
Contact Information ............................................................................ 84
Preface

This Technical Manual is designed to help your site implement and maintain Clinical Reminders V. 2.0. It includes detailed information such as system requirements, file descriptions, and routine descriptions.

Clinical Reminders is an application written and supported by the Veterans Administration.

Indian Health Service has made many modifications to use clinical reminders within the Electronic Health Record. Users desiring more information should view the VA documentation on clinical reminders available on the VA’s website at [www.va.gov/vdl](http://www.va.gov/vdl) under clinical applications and then CPRS: Clinical Reminders.

Rules of Behavior

All RPMS users are required to observe HHS and IHS Rules of Behavior regarding patient privacy and the security of both patient information and IHS computers and networks.
1.0 Introduction

Implementation and maintenance of Clinical Reminders occur several ways:

1. By integration with other applications:
   - EHR
   - Health Summary
   - Patient Care Encounter (PCE)

   Management of Clinical Reminders includes coordinating with these other entities. This linkage should remain transparent to users, but will require setup and coordination by the IRM office and Clinical Coordinators. See the technical and user manuals of those packages for implementation instructions.

2. By setting site parameters with options on the Manager Menu and the CPRS Coversheet option.

3. By allocating menus and options (see the Menus and Options section).

4. By user customization through CPRS GUI Coversheet options.

The Clinical Reminders index global has been designed to provide an index of clinical data, which, in turn, supports rapid access to the data.

Note: See the documentation for Patch 12 for information about installing and running the index global utility, as well as potential error messages and their resolution.

1.1 Journaling

The VA Office of Information recommends that journaling be disabled on the PXRMINDX global while it is being built and until the historical index seeding is completed.

Once all the indexes are completed, journaling of the PXRMINDX should be ENABLE.

Before installing PXRM*2.0, make sure that the index global utility has completed its population of all the indexes included in PXRM*1.5*12.

When PXRM*1.5*12 is installed, it creates a new option, PXRM INDEX MANAGEMENT, which is a menu containing PXRM INDEX BUILD and PXRM INDEX COUNT. Use the option PXRM INDEX BUILD to start the indexing or to rebuild any part of the index.
The index building utility populates the indexes by indexing the existing data. It works its way through the entire global, putting entries in the index for each piece of unique patient data it finds.

Although the index can be recreated from the original data at any time, the Office of Information recommends that journaling be enabled on the PXRMINDX global after the historical index seeding is completed.

When the index utility finishes indexing a particular global, it sets the following three nodes:

```
^PXRMINDX(FILE NUMBER,"GLOBAL NAME")=\$\$GET1^DID(FILE NUMBER,"","","GLOBAL NAME")
^PXRMINDX(FILE NUMBER,"BUILT BY")=DUZ
^PXRMINDX(FILE NUMBER,"DATE BUILT")=\$\$NOW^XLFDT
```

In addition to providing information about who built the index and when it got populated, these nodes can be used to determine when the index is complete and ready for use.
2.0 Implementation and Maintenance

Sites planning to use Clinical Reminders version 2.0 must have first loaded Clinical reminders version 1.5 and then up to patch 1009. Patch 1009 contained the clinical index builds. The clinical indexes must be built prior to installing version 2.0.

Clinical indexes are included in:

- RA Version 5.0 Patch 1003
- LR Version 5.2 Patch 1031
- EHR Version 1.1 Patch 11
- PXRM Version 1.5 Patch 1009

2.1 Minimum System Requirements

<table>
<thead>
<tr>
<th>Package</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Reminders (PXRM)</td>
<td>V.1.5 Patch 1009</td>
</tr>
<tr>
<td>CPT (ICPT)</td>
<td>V. 6</td>
</tr>
<tr>
<td>HL7 (HL)</td>
<td>V.1.6</td>
</tr>
<tr>
<td>ICD (ICD)</td>
<td>V. 2.0</td>
</tr>
<tr>
<td>Kernel (XU)</td>
<td>V. 8.0</td>
</tr>
<tr>
<td>Lexicon (LEX)</td>
<td>V. 2.0</td>
</tr>
<tr>
<td>MailMan (XM)</td>
<td>V. 8.0</td>
</tr>
<tr>
<td>EHR</td>
<td>V 1.1 Patch 11</td>
</tr>
<tr>
<td>Text Integration Utilities (TIU)</td>
<td>V. 1.0</td>
</tr>
<tr>
<td>VA FileMan (DI)</td>
<td>V. 22.0</td>
</tr>
<tr>
<td>LR Version 5.2 Patch 1031</td>
<td></td>
</tr>
<tr>
<td>Radiology Version 5.0 Patch 1003</td>
<td></td>
</tr>
</tbody>
</table>

2.2 Package-Wide Variables

There are no package-wide PXRM variables in the RPMS system.
3.0 Menus

3.1 Menu Diagram

3.1.1 Clinical Reminders Manager Menu

The Clinical Reminders Manager Menu contains these options for implementing and maintaining Clinical Reminders.

Clinical Reminders Management Menu [PXRM MANAGERS MENU]
CF Reminder Computed Finding Management ... [PXRM CF MANAGEMENT]
   CRL Computed Finding List
   CFE Computed Finding Edit
RM Reminder Definition Management ... [PXRM REMINDER MANAGEMENT]
   RL List Reminder Definitions
   RI Inquire about Reminder Definition
   RE Add/Edit Reminder Definition
   RC Copy Reminder Definition
   RA Activate/Inactivate Reminders
   RH Reminder Edit History
SM Reminder Sponsor Management [PXRM SPONSOR MANAGEMENT]
   SL List Reminder Sponsors
   SI Reminder Sponsor Inquiry
   SE Edit Reminder Sponsor
TXM Reminder Taxonomy Management ... [PXRM TAXONOMY MANAGEMENT]
   TL List Taxonomy Definitions
   TI Inquire about Taxonomy Item
   TE Edit Taxonomy Item
   TC Copy Taxonomy Item
   TX Selected Taxonomy Expansion
TRM Reminder Term Management ... [PXRM TERM MANAGEMENT]
   TL List Reminder Terms
   TI Inquire about Reminder Term
   TE Reminder Term Edit
   TC Copy Reminder Term
LM Reminder Location List Management ... [PXRM LOCATION LIST MANAGEMENT]
   LL List Location Lists
   LI Location List Inquiry
   LE Edit Location List
RX Reminder Exchange [PXRM REMINDER EXCHANGE] RT Reminder Test [PXRM REMINDER TEST]
OS Other Supporting Menus .[PXRM OTHER SUPPORTING MENUS]
   TM PCE Table Maintenance ...
      PCE Coordinator Menu
   HS Health Summary Coordinator's Menu ...
   EF Print Blank Encounter Forms ...
   QO Enter/edit quick orders
INFO Reminder Information Only Menu ... [PXRM INFO ONLY]
   RL List Reminder Definitions
   RI Inquire about Reminder Definition
   TXL List Taxonomy Definitions
   TXI Inquire about Taxonomy Item
   TRL List Reminder Terms
   TRI Inquire about Reminder Term
   SL List Reminder Sponsors
### 3.2 Exported Menu

This table shows the primary menu. Sub-menus are described in the Description column.

<table>
<thead>
<tr>
<th>DM</th>
<th>Reminder Dialog Management ... [PXRM DIALOG MANAGEMENT]</th>
</tr>
</thead>
</table>
| DP | Dialog Parameters ...
| RS | Reminder Resolution Statuses
| HR | Health Factor Resolutions
| FP | General Finding Type Parameters
| FI | Finding Item Parameters
| TD | Taxonomy Dialog Parameters
| DI | Reminder Dialogs
| DR | Dialog Reports
| OR | Reminder Dialog Elements Orphan Report
| ER | Empty Reminder Dialog Report
| IA | Inactive Codes Mail Message
| CP | CPRS Reminder Configuration [PXRM CPRS CONFIGURATION]
| CA | Add/Edit Reminder Categories
| CL | CPRS Lookup Categories
| CS | CPRS Cover Sheet Reminder List
| MH | Mental Health Dialogs Active
| PN | Progress Note Headers
| RA | Reminder GUI Resolution Active
| DL | Default Outside Location
| PT | Position Reminder Text at Cursor
| NP | New Reminder Parameters
| GEC | GEC Status Check
| WH | WH Print Now Active
| RP | Reminder Reports ... [PXRM REMINDER REPORTS]
| D | Reminders Due Report
| R | Reminders Due Report (User)
| U | User Report Templates
| T | Extract EPI Totals
| L | Extract EPI List by Finding and SSN
| Q | Extract QUERI Totals
| V | Review Date Report
| GEC | GEC Referral Report
| MST | Reminders MST Synchronization Management ... [PXRM MST MANAGEMENT]
| SYN | Reminders MST Synchronization
| REP | Reminders MST Synchronization Report
| PL | Reminder Patient List Menu ... [PXRM PATIENT LIST MENU]
| LRM | List Rule Management
| PLM | Patient List Management
| PAR | Reminder Parameters ... [PXRM REMINDER PARAMETERS]
| ESD | Edit Site Disclaimer
| EWS | Edit Web Sites
| MH | Edit Number of MH Questions
| XM | Reminder Extract Management [PXRM EXTRACT MENU]
| MA | Reminder Extract Management
| EP | Extract Parameter Management
| EF | Extract Finding Management
| EG | Extract Finding Group Management
| LR | List Rule Management
| GEC | GEC Referral Report [GEC REFERRAL REPORT]
<table>
<thead>
<tr>
<th>Option</th>
<th>Option Name</th>
<th>Synonym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reminder Computed</td>
<td>PXRM CF MANAGEMENT</td>
<td>CF</td>
<td>This option provides tools for viewing or editing reminder computed findings</td>
</tr>
<tr>
<td>Finding Management</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reminder Definition</td>
<td>PXRM REMINDER MANAGEMENT</td>
<td>RM</td>
<td>This menu contains option for creating, copying, and editing reminder definitions, as well as the options for maintaining the parameters used by CPRS for reminder processing.</td>
</tr>
<tr>
<td>Management</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reminder Sponsor</td>
<td>PXRM SPONSOR MANAGEMENT</td>
<td>SM</td>
<td>A Reminder Sponsor is the organization or group that sponsors a Reminder Definition, such as the Office of Quality and Performance. Options on this menu let you view, define, or edit Reminder Sponsors.</td>
</tr>
<tr>
<td>Management</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reminder Taxonomy</td>
<td>PXRM TAXONOMY MANAGEMENT</td>
<td>TXM</td>
<td>The REMINDER TAXONOMY file is used to define a range of coded values from ICD Diagnosis codes, ICD Operation/Procedures codes, and CPT codes that can be viewed as being part of a clinical category (taxonomy). Each entry has a low value and a high value. The software will search for matches on all the codes between the low and high values inclusive. If there is a match then the taxonomy finding will be true for the patient. This menu contains options for copying, editing taxonomies, as well as listing and inquiring about specific taxonomies.</td>
</tr>
<tr>
<td>Management</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reminder Term</td>
<td>PXRM TERM MANAGEMENT</td>
<td>TRM</td>
<td>This menu allows you to edit, map, and view reminder terms</td>
</tr>
<tr>
<td>Management</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reminder Location List</td>
<td>PXRM LOCATION LIST MANAGEMENT</td>
<td>LM</td>
<td>Location Lists are a new kind of reminder finding, that allow you to use a list of patients for a stop code or hospital location in a reminder definition. The stop codes and hospital locations are those associated with a Visit file entry</td>
</tr>
<tr>
<td>Management</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reminder Exchange</td>
<td>PXRM REMINDER EXCHANGE</td>
<td>RX</td>
<td>This option allows sites to exchange reminder definitions, dialogs, and other reminder components via MailMan messages and host files.</td>
</tr>
<tr>
<td>Management</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reminder Test</td>
<td>PXRM REMINDER TEST</td>
<td>RT</td>
<td>This utility helps you test and troubleshoot your reminders when you create them or when you have problems</td>
</tr>
<tr>
<td>Other Supporting</td>
<td>PXRM OTHER SUPPORTING MENUS</td>
<td>OS</td>
<td>This option contains menus from related packages such as PCE and Health Summary.</td>
</tr>
<tr>
<td>Menus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reminder Information</td>
<td>PXRM INFO ONLY</td>
<td>INFO</td>
<td>This menu provides information-only options for users who need information about reminders but do not need the ability to make changes.</td>
</tr>
<tr>
<td>Only Menu</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Option</td>
<td>Option Name</td>
<td>Synonym</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>------------------------------------</td>
<td>---------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Reminder Dialog Management</td>
<td>PXRM DIALOG MANAGEMENT</td>
<td>DM</td>
<td>This menu allows maintenance of the parameters used by CPRS for reminder dialog processing.</td>
</tr>
<tr>
<td>CPRS Reminder Configuration</td>
<td>PXRM CPRS CONFIGURATION</td>
<td>CF</td>
<td>This menu allows maintenance of the reminder parameters used by CPRS for reminder processing.</td>
</tr>
<tr>
<td>Reminder Reports</td>
<td>PXRM REMINDER REPORTS</td>
<td>RP</td>
<td>This is a menu of Clinical Reminder reports that clinicians can use for summary and detailed level information about patients’ due and satisfied reminders. This option also contains reports that clinical coordinators can use to assign menus to specific users.</td>
</tr>
<tr>
<td>Reminder Patient List Menu</td>
<td>PXRM PATIENT LIST MENU</td>
<td>PL</td>
<td>This menu contains options to manage list rules and patient lists that are used primarily for reminder extracts that transmit data to the Austin Automation Center IHD and MH QUERI databases. These patient lists can also be used for local purposes.</td>
</tr>
<tr>
<td>Reminder Parameters</td>
<td>PXRM REMINDER PARAMETERS</td>
<td>RP</td>
<td>This menu contains the options, Edit Site Disclaimer and Edit Web Sites, which allow you to modify the parameters for these items.</td>
</tr>
<tr>
<td>Reminder Extract Management</td>
<td>PXRM EXTRACT MENU</td>
<td>EXT</td>
<td>This option manages the extract summary reports of compliance generated by the monthly extract runs. These extract summary reports detail the information transmitted to the central repository.</td>
</tr>
</tbody>
</table>
## 4.0 Routines

### 4.1 Routines and Descriptions Table

<table>
<thead>
<tr>
<th>Routine</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PXRM</td>
<td>Clinical Reminders entry points</td>
</tr>
<tr>
<td>PXRM7API</td>
<td>Clinical Reminders HL7 API</td>
</tr>
<tr>
<td>PXRM7M1</td>
<td>HL7 PUT MESSAGE IN 772 FILE</td>
</tr>
<tr>
<td>PXRM7XT</td>
<td>HL7 EXTRACT FROM FILE</td>
</tr>
<tr>
<td>PXRMACT</td>
<td>Activity File Update</td>
</tr>
<tr>
<td>PXRMAGE</td>
<td>Utilities for age calculations</td>
</tr>
<tr>
<td>PXRMAPI</td>
<td>Clinical Reminders APIs</td>
</tr>
<tr>
<td>PXRMAPI0</td>
<td>Reminder Package API's</td>
</tr>
<tr>
<td>PXRMAPI1</td>
<td>Reminder Package API's</td>
</tr>
<tr>
<td>PXRMART</td>
<td>ART computed finding</td>
</tr>
<tr>
<td>PXRMBMI</td>
<td>National BMI computed finding</td>
</tr>
<tr>
<td>PXRMBXTL</td>
<td>National BMI computed finding</td>
</tr>
<tr>
<td>PXRMCAT</td>
<td>Edit/Inquire reminder categories</td>
</tr>
<tr>
<td>PXRMCDDEF</td>
<td>Computed findings for Reminder Definition.</td>
</tr>
<tr>
<td>PXRMCDUE</td>
<td>Custom date due calculation routines</td>
</tr>
<tr>
<td>PXRMCF</td>
<td>Handle computed findings</td>
</tr>
<tr>
<td>PXRMCFED</td>
<td>Edit a reminder computed finding</td>
</tr>
<tr>
<td>PXRMCLST</td>
<td>List Reminder Categories</td>
</tr>
<tr>
<td>PXRMCODE</td>
<td>Routines for handling standard coded items</td>
</tr>
<tr>
<td>PXRMCOND</td>
<td>Routines for evaluating conditions.</td>
</tr>
<tr>
<td>PXRMCOPY</td>
<td>Copy various reminder files.</td>
</tr>
<tr>
<td>PXRMCSD</td>
<td>Code Set Version-dialog file</td>
</tr>
<tr>
<td>PXRMCSPE</td>
<td>Entry points for CSV protocol event point</td>
</tr>
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<td>PXRMCSSC</td>
<td>Routines for taxonomy code set update</td>
</tr>
<tr>
<td>PXRMCTX</td>
<td>Routines for taxonomy code set update</td>
</tr>
<tr>
<td>PXRMCSU</td>
<td>Code Set Version-dialog file-Utilities</td>
</tr>
<tr>
<td>PXRMWH</td>
<td>Computed findings for WH project</td>
</tr>
<tr>
<td>PXRDATA</td>
<td>Routines for getting data</td>
</tr>
<tr>
<td>PXRMDATE</td>
<td>Clinical Reminders date utilities</td>
</tr>
<tr>
<td>PXRMDBL1</td>
<td>Reminder Dialog Generation</td>
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<td>PXRMDBL2</td>
<td>Reminder Dialog Generation</td>
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<td>Reminder Dialog Generation</td>
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<td>PXRMDCPY</td>
<td>Copy dialog files</td>
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<td>PXRMDD41</td>
<td>Reminder Dialog file calls</td>
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<td>PXRMDEDI</td>
<td>Edit PXRM reminder dialog</td>
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<tr>
<td>PXRMDEDT</td>
<td>Edit PXRM reminder dialog</td>
</tr>
<tr>
<td>PXRMDEX</td>
<td>Delete dialog components</td>
</tr>
<tr>
<td>Routine</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>PXRMDEV</td>
<td>This is a driver for testing Clinical Reminders</td>
</tr>
<tr>
<td>PXRMDGEN</td>
<td>Handle VA GENERIC drug findings</td>
</tr>
<tr>
<td>PXRMGDPT</td>
<td>Code to handle DGPT (Patient Treatment File) data</td>
</tr>
<tr>
<td>PXRMHLHP</td>
<td>Reminder dialog main help</td>
</tr>
<tr>
<td>PXRMDIN</td>
<td>Handle inpatient med findings</td>
</tr>
<tr>
<td>PXRMDISC</td>
<td>Return the reminder disclaimer in ^TMP</td>
</tr>
<tr>
<td>PXRMDLG</td>
<td>Reminder Dialog Edit/Inquiry</td>
</tr>
<tr>
<td>PXRMDLG1</td>
<td>Reminder Dialog Edit/Inquiry</td>
</tr>
<tr>
<td>PXRMDLG2</td>
<td>Reminder Dialog Edit/Inquiry</td>
</tr>
<tr>
<td>PXRMDLG3</td>
<td>Reminder Dialog Edit/Inquiry</td>
</tr>
<tr>
<td>PXRMDLG4</td>
<td>Reminder Dialog Edit/Inquiry</td>
</tr>
<tr>
<td>PXRMDLG5</td>
<td>Reminder Dialog Edit/Inquiry</td>
</tr>
<tr>
<td>PXRMDLGH</td>
<td>Reminder Dialog History</td>
</tr>
<tr>
<td>PXRMDLGZ</td>
<td>Link reminder to dialog</td>
</tr>
<tr>
<td>PXRMDLG</td>
<td>REMINDER DIALOG LOADER</td>
</tr>
<tr>
<td>PXRMDLLA</td>
<td>REMINDER DIALOG LOADER</td>
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<td>DIALOG RESULTS LOADER</td>
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<td>DIALOG ORPHAN REPORT</td>
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<td>PXRMDST</td>
<td>Reminder Dialog Inquiry</td>
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<td>PXRMDNVA</td>
<td>Handle non-VA med findings</td>
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<td>PXRMDOUT</td>
<td>Handle outpatient med findings</td>
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<tr>
<td>PXRMDRCL</td>
<td>Handle VA DRUG CLASS findings</td>
</tr>
<tr>
<td>PXRMDRGR</td>
<td>Handle groups of drug findings</td>
</tr>
<tr>
<td>PXRMDRSG</td>
<td>PXRMDRSG</td>
</tr>
<tr>
<td>PXRMDRUG</td>
<td>Handle drug findings</td>
</tr>
<tr>
<td>PXRMEDIT</td>
<td>Clinical Reminder edit driver</td>
</tr>
<tr>
<td>PXRMEDU</td>
<td>Handle education findings</td>
</tr>
<tr>
<td>PXRMEFED</td>
<td>Extract Counting Editor</td>
</tr>
<tr>
<td>PXRMEFM</td>
<td>Extract Counting Rule Management</td>
</tr>
<tr>
<td>PXRMEGED</td>
<td>Extract Counting Group Editor</td>
</tr>
<tr>
<td>PXRMEGM</td>
<td>Extract Counting Group Management</td>
</tr>
<tr>
<td>PXRMEHLP</td>
<td>Reminder Extract help</td>
</tr>
<tr>
<td>PXRMENOD</td>
<td>Clinical Reminders &quot;E&quot; node routines</td>
</tr>
<tr>
<td>PXRMEPED</td>
<td>Extract Definition Editor</td>
</tr>
<tr>
<td>PXRMEPM</td>
<td>Extract Definition Management</td>
</tr>
<tr>
<td>PXRMERRH</td>
<td>Error handling routines</td>
</tr>
<tr>
<td>PXRMETCO</td>
<td>QUERI Extract Compliance Report</td>
</tr>
<tr>
<td>PXRMETH</td>
<td>Reminder Extract History</td>
</tr>
<tr>
<td>PXRMETH1</td>
<td>Reminder Extract History</td>
</tr>
<tr>
<td>PXRMETHL</td>
<td>Reminder Extract Transmissions</td>
</tr>
<tr>
<td>PXRMETM</td>
<td>Extract/Transmission Management</td>
</tr>
<tr>
<td>PXRMETT</td>
<td>Extract Summary Display</td>
</tr>
<tr>
<td>PXRMETX</td>
<td>Run Extract for QUERI</td>
</tr>
</tbody>
</table>

Technical Manual
September 2014
<table>
<thead>
<tr>
<th>Routine</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PXRMETXR</td>
<td>Reminder section of extract</td>
</tr>
<tr>
<td>PXRMETXU</td>
<td>Extract utilities</td>
</tr>
<tr>
<td>PXRMEUT</td>
<td>General extract utilities</td>
</tr>
<tr>
<td>PXRMEUT1</td>
<td>General extract utilities</td>
</tr>
<tr>
<td>PXRMEVFI</td>
<td>Driver for finding evaluation</td>
</tr>
<tr>
<td>PXRMEXAM</td>
<td>Handle examination findings</td>
</tr>
<tr>
<td>PXRMEXCF</td>
<td>Reminder exchange routines for computed findings</td>
</tr>
<tr>
<td>PXRMEXCO</td>
<td>Exchange File component order</td>
</tr>
<tr>
<td>PXRMEXCS</td>
<td>Routines to compute checksums</td>
</tr>
<tr>
<td>PXRMEXD1</td>
<td>Reminder Exchange dialog utilities</td>
</tr>
<tr>
<td>PXRMEXDG</td>
<td>Reminder Dialog Exchange index build</td>
</tr>
<tr>
<td>PXRMEXDH</td>
<td>Reminder Exchange Dialog help</td>
</tr>
<tr>
<td>PXRMEXED</td>
<td>Special code for education topics</td>
</tr>
<tr>
<td>PXRMEXF1</td>
<td>Exchange utilities for file entries</td>
</tr>
<tr>
<td>PXRMEXHF</td>
<td>Routines to select and deal with host files</td>
</tr>
<tr>
<td>PXRMEXIC</td>
<td>Routines to install repository entry components</td>
</tr>
<tr>
<td>PXRMEXID</td>
<td>Reminder Dialog Exchange Install Routine</td>
</tr>
<tr>
<td>PXRMEXIH</td>
<td>Routines for installation history</td>
</tr>
<tr>
<td>PXRMEXIU</td>
<td>Utilities for installing repository entries</td>
</tr>
<tr>
<td>PXRMEXIX</td>
<td>Reminder Dialog Exchange checks</td>
</tr>
<tr>
<td>PXRMEXLB</td>
<td>Reminder Dialog Exchange</td>
</tr>
<tr>
<td>PXRMEXLC</td>
<td>Routines to display repository entry components</td>
</tr>
<tr>
<td>PXRMEXLD</td>
<td>Reminder Dialog Exchange Main Routine</td>
</tr>
<tr>
<td>PXRMEXLI</td>
<td>List Manager routines for repository entry install</td>
</tr>
<tr>
<td>PXRMEXLM</td>
<td>Clinical Reminder Exchange List Manager routines</td>
</tr>
<tr>
<td>PXRMEXLR</td>
<td>List Manager routines for existing repository entries</td>
</tr>
<tr>
<td>PXRMEXMH</td>
<td>Clinical Reminder Exchange main help</td>
</tr>
<tr>
<td>PXRMEXMM</td>
<td>Routines to select and deal with MailMan messages</td>
</tr>
<tr>
<td>PXRMEXPR</td>
<td>Routines to create packed reminder definitions</td>
</tr>
<tr>
<td>PXRMEXPU</td>
<td>Utilities for packing and unpacking repository entries</td>
</tr>
<tr>
<td>PXRMEXSI</td>
<td>Silent repository entry install</td>
</tr>
<tr>
<td>PXRMEXU0</td>
<td>Reminder exchange general utilities</td>
</tr>
<tr>
<td>PXRMEXU1</td>
<td>Reminder exchange repository utilities, #1</td>
</tr>
<tr>
<td>PXRMEXU2</td>
<td>Reminder exchange repository utilities, #2</td>
</tr>
<tr>
<td>PXRMEXU3</td>
<td>Reminder exchange XML utilities, #3</td>
</tr>
<tr>
<td>PXRMEXU4</td>
<td>Reminder Exchange #4, dialog changes</td>
</tr>
<tr>
<td>PXRMEXU5</td>
<td>Reminder exchange KIDS utilities, #5</td>
</tr>
<tr>
<td>PXRMFF</td>
<td>Clinical Reminders function finding evaluation</td>
</tr>
<tr>
<td>PXRMFF0</td>
<td>Clinical Reminders function finding routines</td>
</tr>
<tr>
<td>PXRMFFAT</td>
<td>Function Finding argument type routines</td>
</tr>
<tr>
<td>PXRMFFDB</td>
<td>Function finding data structure builder</td>
</tr>
<tr>
<td>PXRMFFH</td>
<td>Routines for function finding help</td>
</tr>
<tr>
<td>PXRMFIND</td>
<td>Edit/Inquire finding type parameters</td>
</tr>
<tr>
<td>PXRMFIP</td>
<td>Edit/Inquire Finding Item Parameters</td>
</tr>
<tr>
<td>Routine</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>PXRMFLST</td>
<td>List Resolution Statuses</td>
</tr>
<tr>
<td>PXRMFNFT</td>
<td>Process found/not found text</td>
</tr>
<tr>
<td>PXRMFPAR</td>
<td>PXRM Finding Type Parameter Edit/Inquiry</td>
</tr>
<tr>
<td>PXRMG2E1</td>
<td>GEC #2 Extract initial arrays</td>
</tr>
<tr>
<td>PXRMG2E2</td>
<td>GEC #2 EXTRACT #2</td>
</tr>
<tr>
<td>PXRMG2E3</td>
<td>GEC #2 EXTRACT #3</td>
</tr>
<tr>
<td>PXRMG2E4</td>
<td>GEC #2 EXTRACT #4</td>
</tr>
<tr>
<td>PXRMG2M1</td>
<td>GEC #2 MAIL MESSAGES</td>
</tr>
<tr>
<td>PXRMG2R1</td>
<td>GEC #2 REPORT #1</td>
</tr>
<tr>
<td>PXRMG2R2</td>
<td>GEC #2 REPORT #1</td>
</tr>
<tr>
<td>PXRMG2S1</td>
<td>GEC #2 SORTING INFORMATION #1</td>
</tr>
<tr>
<td>PXRMGECJ</td>
<td>Restore Func</td>
</tr>
<tr>
<td>PXRMGECK</td>
<td>GEC Utilities Cont</td>
</tr>
<tr>
<td>PXRMGECL</td>
<td>Restore Func &amp; Utilities</td>
</tr>
<tr>
<td>PXRMGECM</td>
<td>GEC-Score Reports-cont'd</td>
</tr>
<tr>
<td>PXRMGECN</td>
<td>GEC-Score Reports-cont'd</td>
</tr>
<tr>
<td>PXRMGECO</td>
<td>GEC-Prompts Cont'd</td>
</tr>
<tr>
<td>PXRMGECP</td>
<td>GEC-Prompts</td>
</tr>
<tr>
<td>PXRMGECQ</td>
<td>GEC-QUEUE'D Reports</td>
</tr>
<tr>
<td>PXRMGECR</td>
<td>GEC-Reports</td>
</tr>
<tr>
<td>PXRMGECS</td>
<td>GEC-Reports-cont'd</td>
</tr>
<tr>
<td>PXRMGECT</td>
<td>GEC-Queued Reports-cont'd</td>
</tr>
<tr>
<td>PXRMGECU</td>
<td>CLINICAL REMINDERS</td>
</tr>
<tr>
<td>PXRMGECV</td>
<td>Extract data for GEC Reports</td>
</tr>
<tr>
<td>PXRMGECW</td>
<td>Extract data for GEC Reports</td>
</tr>
<tr>
<td>PXRMGECX</td>
<td>GEC Debug Utilities</td>
</tr>
<tr>
<td>PXRMGECY</td>
<td>GEC Debug Utilities-2</td>
</tr>
<tr>
<td>PXRMGECZ</td>
<td>GEC Debug Utilities-3</td>
</tr>
<tr>
<td>PXRMGEDT</td>
<td>PXRM General Edit/Add</td>
</tr>
<tr>
<td>PXRMRGEN</td>
<td>PXRM General Edit/Inquiry</td>
</tr>
<tr>
<td>PXRMHF</td>
<td>Handle Health Factor findings</td>
</tr>
<tr>
<td>PXRMRHOST</td>
<td>Routines for dealing with edit histories.</td>
</tr>
<tr>
<td>PXRMHVET</td>
<td>Host file routines</td>
</tr>
<tr>
<td>PXRMMHOST</td>
<td>Clinical Reminders entry points</td>
</tr>
<tr>
<td>PXRMMIMM</td>
<td>Handle immunization findings</td>
</tr>
<tr>
<td>PXRMINDC</td>
<td>Index counting routines</td>
</tr>
<tr>
<td>PXRMINDD</td>
<td>Index string date checking routines</td>
</tr>
<tr>
<td>PXRMINDL</td>
<td>List building routines</td>
</tr>
<tr>
<td>PXRMINDX</td>
<td>Routines for utilizing the index</td>
</tr>
<tr>
<td>PXRMINQ</td>
<td>Clinical Reminder inquiry routines</td>
</tr>
<tr>
<td>PXRMINTR</td>
<td>Input transforms for Clinical Reminders</td>
</tr>
<tr>
<td>PXRMISE</td>
<td>Index size estimating routines</td>
</tr>
<tr>
<td>PXRMSIF</td>
<td>Index size estimating scale factor routines</td>
</tr>
<tr>
<td>PXRMLAB</td>
<td>Handle laboratory test findings</td>
</tr>
<tr>
<td>Routine</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------------------------</td>
</tr>
<tr>
<td>PXRMLABS</td>
<td>Estimate of lab entries to set up</td>
</tr>
<tr>
<td>PXRMLCD</td>
<td>Reminder Patient List Patients</td>
</tr>
<tr>
<td>PXRMLCR</td>
<td>Create Patient List from individual finding rule</td>
</tr>
<tr>
<td>PXRMLDR</td>
<td>Load Definitions and terms for evaluation</td>
</tr>
<tr>
<td>PXRMLHLP</td>
<td>Reminder Patient List help</td>
</tr>
<tr>
<td>PXRMLIST</td>
<td>Clinical Reminders list functions</td>
</tr>
<tr>
<td>PXRMLED</td>
<td>Edit a location list</td>
</tr>
<tr>
<td>PXRMLOC</td>
<td>Handle location findings</td>
</tr>
<tr>
<td>PXRMLOCF</td>
<td>Handle location findings</td>
</tr>
<tr>
<td>PXRMLLOG</td>
<td>Clinical Reminders logic routines</td>
</tr>
<tr>
<td>PXRMLOGX</td>
<td>Clinical Reminders logic cross-reference routines</td>
</tr>
<tr>
<td>PXRMLOG</td>
<td>Reminder Patient List</td>
</tr>
<tr>
<td>PXRMLPAU</td>
<td>Reminder Patient List</td>
</tr>
<tr>
<td>PXRMLPHS</td>
<td>Run Health Summaries from Patient List</td>
</tr>
<tr>
<td>PXRMLPOE</td>
<td>Build OE/RR Team from Patient List</td>
</tr>
<tr>
<td>PXRMLPP</td>
<td>Reminder Patient List Patients</td>
</tr>
<tr>
<td>PXRMLPU</td>
<td>Reminder Patient List</td>
</tr>
<tr>
<td>PXRMLRED</td>
<td>List Rule Editor</td>
</tr>
<tr>
<td>PXRMLREX</td>
<td>Delete rule components</td>
</tr>
<tr>
<td>PXRMLRM</td>
<td>List Rule Management</td>
</tr>
<tr>
<td>PXRMMH</td>
<td>Handle mental health findings</td>
</tr>
<tr>
<td>PXRMMHV</td>
<td>Clinical Reminders entry points</td>
</tr>
<tr>
<td>PXRMMSER</td>
<td>Computed findings for military service information</td>
</tr>
<tr>
<td>PXRMESSG</td>
<td>Routine for sending MailMan messages</td>
</tr>
<tr>
<td>PXRMMST</td>
<td>Routines for dealing with MST</td>
</tr>
<tr>
<td>PXRMOBJ</td>
<td>PXRM OBJECT AND GUI EVAL FOR GEC</td>
</tr>
<tr>
<td>PXRMOBJX</td>
<td>PXRM OBJECT AND GUI EVAL FOR GEC</td>
</tr>
<tr>
<td>PXRMORDER</td>
<td>Handle orderable item findings</td>
</tr>
<tr>
<td>PXRMOUTC</td>
<td>Clinical Maintenance output</td>
</tr>
<tr>
<td>PXRMOUD</td>
<td>Reminder output driver</td>
</tr>
<tr>
<td>PXRMOUM</td>
<td>MyHealtheVet output</td>
</tr>
<tr>
<td>PXRMOU</td>
<td>PXRMOUTU</td>
</tr>
<tr>
<td>PXRMOU</td>
<td>Edit PXRM(800 reminder parameters</td>
</tr>
<tr>
<td>PXRMPCIN</td>
<td>Computed findings for primary care info</td>
</tr>
<tr>
<td>PXRMPCPY</td>
<td>Copy Patient Lists</td>
</tr>
<tr>
<td>PXRMPDEM</td>
<td>Computed findings for patient demographics</td>
</tr>
<tr>
<td>PXRMPDR</td>
<td>Patient List Demographic report main routine</td>
</tr>
<tr>
<td>PXRMPDPR</td>
<td>Patient List Demographic report print routine</td>
</tr>
<tr>
<td>PXRMPDTRS</td>
<td>Patient List Demographic Report data selection</td>
</tr>
<tr>
<td>PXRMPDS</td>
<td>Routines for patient data source</td>
</tr>
<tr>
<td>PXRMPINF</td>
<td>Routines relating to patient information</td>
</tr>
<tr>
<td>PXRMPPLST</td>
<td>Build a patient list from a reminder definition</td>
</tr>
<tr>
<td>PXRMPROB</td>
<td>Code for Problem List</td>
</tr>
<tr>
<td>PXRMPSTD1</td>
<td>Reminder Inquiry print template routines</td>
</tr>
<tr>
<td>Routine</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>PXRMPTD2</td>
<td>Reminder Inquiry print template routines</td>
</tr>
<tr>
<td>PXRMPTDF</td>
<td>Reminder Inquiry print template routines</td>
</tr>
<tr>
<td>PXRMPTL</td>
<td>Print Clinical Reminders logic</td>
</tr>
<tr>
<td>PXRMPTTR</td>
<td>Routines for term print templates</td>
</tr>
<tr>
<td>PXRMPTTX</td>
<td>Routines for taxonomy print templates</td>
</tr>
<tr>
<td>PXMRAD</td>
<td>Handle radiology findings.</td>
</tr>
<tr>
<td>PXMRMRCPT</td>
<td>Code to handle radiology CPT data</td>
</tr>
<tr>
<td>PXMRDI</td>
<td>Routines to support RDI list building</td>
</tr>
<tr>
<td>PXRMREDF</td>
<td>Edit PXRM reminder findings</td>
</tr>
<tr>
<td>PXRMREDT</td>
<td>Edit PXRM reminder definition</td>
</tr>
<tr>
<td>PXRMRESN</td>
<td>Edit/Inquire resolution statuses</td>
</tr>
<tr>
<td>PXRMREV</td>
<td>Review Date routines</td>
</tr>
<tr>
<td>PXMRMRLST</td>
<td>Clinical Reminder definition list</td>
</tr>
<tr>
<td>PXMRPC</td>
<td>PXRM REMINDER GUI - routine for RPC</td>
</tr>
<tr>
<td>PXMRPCCA</td>
<td>Functions returning REMINDER data</td>
</tr>
<tr>
<td>PXMRPCCB</td>
<td>Functions returning REMINDER data</td>
</tr>
<tr>
<td>PXMRPCCD</td>
<td>PXRM REMINDER DIALOG</td>
</tr>
<tr>
<td>PXMRPCD</td>
<td>PXRM REMINDER DIALOG</td>
</tr>
<tr>
<td>PXMRST</td>
<td>Rule Set test routines</td>
</tr>
<tr>
<td>PXMRUL1</td>
<td>Patient list routines</td>
</tr>
<tr>
<td>PXMRULE</td>
<td>Build Patient list from Rule Set</td>
</tr>
<tr>
<td>PXMRUTIL</td>
<td>Reminder utilities</td>
</tr>
<tr>
<td>PXMRXTY</td>
<td>Routines for RXTYPE</td>
</tr>
<tr>
<td>PXRMSEDT</td>
<td>Edit a reminder resolution status</td>
</tr>
<tr>
<td>PXRMSEL</td>
<td>PXRM Selection</td>
</tr>
<tr>
<td>PXRMSEL1</td>
<td>PXRM Selection</td>
</tr>
<tr>
<td>PXRMSEL2</td>
<td>PXRM Selection</td>
</tr>
<tr>
<td>PXRMSHF</td>
<td>Edit/Inquire Health Factor Resolutions</td>
</tr>
<tr>
<td>PXMSKIN</td>
<td>Handle skin test findings</td>
</tr>
<tr>
<td>PXMSLST</td>
<td>List Resolution Statuses</td>
</tr>
<tr>
<td>PXRMSPED</td>
<td>Edit a reminder sponsor</td>
</tr>
<tr>
<td>PXRMSTA1</td>
<td>Routines for building status list</td>
</tr>
<tr>
<td>PXRMSTA1</td>
<td>Routines for building status list</td>
</tr>
<tr>
<td>PXRMSTAC</td>
<td>Stack routines for use by PXRM</td>
</tr>
<tr>
<td>PXRMSTAT</td>
<td>Routines for dealing with status</td>
</tr>
<tr>
<td>PXRMSXRM</td>
<td>Main driver for building indexes</td>
</tr>
<tr>
<td>PXMTAX</td>
<td>Handle taxonomy finding</td>
</tr>
<tr>
<td>PXMTAXD</td>
<td>Routines used by taxonomy data dictionary</td>
</tr>
<tr>
<td>PXMTAXS</td>
<td>Set taxonomy search variables</td>
</tr>
<tr>
<td>PXMTDLG</td>
<td>Edit/Inquire Taxonomy Dialog</td>
</tr>
<tr>
<td>PXRMTDUP</td>
<td>Update Taxonomy Dialog Selectable codes</td>
</tr>
<tr>
<td>PXMTEDT</td>
<td>Edit a taxonomy item</td>
</tr>
<tr>
<td>PXRMTERL</td>
<td>Handle reminder terms for patient lists</td>
</tr>
<tr>
<td>PXRMTERM</td>
<td>Handle reminder terms</td>
</tr>
<tr>
<td>Routine</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------------------------------------------</td>
</tr>
<tr>
<td>PXRMTEXT</td>
<td>Text formatting utility routines</td>
</tr>
<tr>
<td>PXRMTIU</td>
<td>Clinical Reminder TIU routines</td>
</tr>
<tr>
<td>PXRMTMEDI</td>
<td>Edit a reminder term</td>
</tr>
<tr>
<td>PXRMUTIL</td>
<td>Utility routines for use by PXRM</td>
</tr>
<tr>
<td>PXRMVAL</td>
<td>Validate Codes (ICD/ICP/CPT main)</td>
</tr>
<tr>
<td>PXRMVALC</td>
<td>VAL Validate Codes (format/value)</td>
</tr>
<tr>
<td>PXRMVALU</td>
<td>Validate Codes (utility)</td>
</tr>
<tr>
<td>PXRMVCPT</td>
<td>Code to handle VCPT data</td>
</tr>
<tr>
<td>PXRMVITL</td>
<td>Handle vitals findings</td>
</tr>
<tr>
<td>PXRMVLST</td>
<td>Validate a reminder definition for building a patient list</td>
</tr>
<tr>
<td>PXRMVPPOV</td>
<td>Code to handle VPOV</td>
</tr>
<tr>
<td>PXRMVPTR</td>
<td>Routines for dealing with variable pointers</td>
</tr>
<tr>
<td>PXRMVVISIT</td>
<td>Visit related info for reminders</td>
</tr>
<tr>
<td>PXRMXAP</td>
<td>Reminder Reports APIs</td>
</tr>
<tr>
<td>PXRMXBSY</td>
<td>Let the user know the computer is busy</td>
</tr>
<tr>
<td>PXRMXD</td>
<td>Reminder Due reports DRIVER</td>
</tr>
<tr>
<td>PXRMXDPT1</td>
<td>Build Patient list SUBROUTINES</td>
</tr>
<tr>
<td>PXRMXDUT</td>
<td>Date utilities for reminder reports</td>
</tr>
<tr>
<td>PXRMXEVL</td>
<td>Reports Reminder Evaluation routine</td>
</tr>
<tr>
<td>PXRMXGPR</td>
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<td>PXRMXGUT</td>
<td>General utilities for reminder reports</td>
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<td>PXRMXHLP</td>
<td>Reminder Reports Help Routine</td>
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<td>PXRMXPX</td>
<td>Print Reminder Due report</td>
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<td>Print Reminder Due report carryover code</td>
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<td>PXRMXQUE</td>
<td>Reminder reports general queuing routine</td>
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<td>PXRMXS1</td>
<td>Reminder Reports DIC Prompts</td>
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<td>PXRMXSC</td>
<td>Reminder reports service category selection</td>
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<td>PXRMXSD</td>
<td>Reminder Reports DIR Prompts</td>
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<td>Build Patient lists for Reminder Due report</td>
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<tr>
<td>PXRMXSL1</td>
<td>Process Visits/Apps Reminder Due report</td>
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<td>PXRMXX1</td>
<td>Build list of reminder findings</td>
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<td>Build list of reminder findings</td>
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<td>PXRMXX2T</td>
<td>Build list of reminder findings</td>
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<td>PXRMXXT</td>
<td>Formatting for extract print templates</td>
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5.0 Files

5.1 File List

5.1.1 File Numbers and Names

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<tbody>
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<td>CLINICAL REMINDER PARAMETERS</td>
</tr>
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<td>^PXRM(801.41</td>
<td>REMINDER DIALOG</td>
</tr>
<tr>
<td>^PXRM(801.42</td>
<td>REMINDER GUI PROCESS</td>
</tr>
<tr>
<td>^PXRM(801.43</td>
<td>REMINDER FINDING ITEM PARAMETER</td>
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<tr>
<td>^PXRM(801.45</td>
<td>REMINDER FINDING TYPE PARAMETER</td>
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<td>^PXRM(801.5</td>
<td>REMINDER DIALOG PATIENT ASSOCIATION</td>
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<td>^PXRM(801.9</td>
<td>REMINDER RESOLUTION STATUS</td>
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<tr>
<td>^PXRM(801.95</td>
<td>HEALTH FACTOR RESOLUTION</td>
</tr>
<tr>
<td>^PXRM(802.4</td>
<td>REMINDER FUNCTION FINDING</td>
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<tr>
<td>^PXRM(810.1</td>
<td>REMINDER REPORT TEMPLATE</td>
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<tr>
<td>^PXRM(810.4</td>
<td>REMINDER LIST RULE</td>
</tr>
<tr>
<td>^PXRM(810.5</td>
<td>REMINDER PATIENT LIST</td>
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<td>^PXRM(810.7</td>
<td>REMINDER EXTRACT COUNTING RULE</td>
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<td>^PXRM(810.8</td>
<td>REMINDER COUNTING GROUP</td>
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<td>^PXRM(810.9</td>
<td>REMINDER LOCATION LIST</td>
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<td>REMINDER TAXONOMY</td>
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<td>^PXRM(811.3</td>
<td>EXPANDED TAXONOMIES</td>
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<tr>
<td>^PXRM(811.4</td>
<td>REMINDER COMPUTED FINDINGS</td>
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<td>^PXRM(811.5</td>
<td>REMINDER TERM</td>
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<td>^PXRM(811.7</td>
<td>REMINDER CATEGORY</td>
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<td>^PXRM(811.9</td>
<td>REMINDER DEFINITION</td>
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5.2 File Descriptions

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<th>File #</th>
<th>File Name</th>
<th>File Description</th>
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<tbody>
<tr>
<td>800</td>
<td>CLINICAL REMINDER PARAMETERS</td>
<td>This file is used to define local parameters for maximum # of index errors, reminder management mail groups, health summary clinical maintenance disclaimers, SSN (full or truncated), MST synchronization, and websites. The file is exported with one entry that contains parameters used by Clinical Reminders.</td>
</tr>
<tr>
<td>File #</td>
<td>File Name</td>
<td>File Description</td>
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<tr>
<td>801.41</td>
<td>REMINDER DIALOG</td>
<td>This file is used to define all of the components that work together to define a reminder dialog. Reminder dialog definitions are used by the CPRS GUI for reminder resolution.</td>
</tr>
<tr>
<td>801.42</td>
<td>REMINDER GUI PROCESS</td>
<td>This file summarizes GUI functionality that has been created for particular dialog processing on the GUI side. The GUI functionality can be associated with an entry in the Reminder Dialog file.</td>
</tr>
<tr>
<td>801.43</td>
<td>REMINDER FINDING ITEM PARAMETER</td>
<td>This file is used to predefine a preferred dialog element or dialog group to represent a reminder finding item. Auto-generation of a reminder dialog from the reminder definition uses the dialog in this file in preference to using the Finding Type Parameter's prefix and suffix to create a sentence. The finding items are restricted to finding types that can be used to resolve the reminder from the CPRS GUI. This file is for local use only. It does not contain any nationally distributed entries. Local entries in this file are not exchanged with other sites via the reminder exchange tool.</td>
</tr>
<tr>
<td>801.45</td>
<td>REMINDER FINDING TYPE PARAMETER</td>
<td>This file is used by the process that generates reminder dialogs for a reminder. During this process, for each reminder finding item in a reminder definition, one or more dialog elements are created depending on the Finding Type parameters in this file. The file content is distributed with the package but may be edited by sites to reflect how the site uses PCE data. The site can alter the pre-defined prefix and suffix text used to create sentences. The site can also disable creation of sentences for specific types of resolution statuses (e.g., Disable creation of education refused for an education topic because the site prefers to use Health Factors to represent refusals). The entries distributed in this file may not be deleted and new entries may not be added locally.</td>
</tr>
<tr>
<td>801.5</td>
<td>REMINDER DIALOG PATIENT ASSOCIATION</td>
<td>New This file contains a small amount of static data. Entries are entered and removed as Reminder Dialogs are processed by the CPRS GUI. Its main purpose is to keep track of and supply an Encounter Date/Time to the GUI interface so that the date/time can be later added to fields in the V HEALTH FACTOR file.</td>
</tr>
<tr>
<td>801.9</td>
<td>REMINDER RESOLUTION STATUS</td>
<td>This file defines the resolution statuses that may be related to a finding. National resolution statuses are distributed in this file, but sites may create local resolution statuses. If local resolutions are defined, they must be mapped to a national resolution status. The national resolution statuses are used by the process that creates dialog sentences for finding items. The distributed national resolution statuses may not be deleted.</td>
</tr>
<tr>
<td>File #</td>
<td>File Name</td>
<td>File Description</td>
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<tr>
<td>801.95</td>
<td>HEALTH FACTOR RESOLUTION</td>
<td>This file defines the resolution statuses that should be related to a particular health factor. The resolution status can be derived for most patient findings (visit file helps determine done and historical). In order to know the appropriate resolution statuses for a health factor, they must be defined in this file. This file is for local use. No health factor resolution statuses are distributed in this file.</td>
</tr>
<tr>
<td>802.4</td>
<td>REMINDER FUNCTION FINDING</td>
<td>New Functional findings operate on data from standard findings and return computed data. They can be used in patient cohort logic and resolution logic.</td>
</tr>
<tr>
<td>810.1</td>
<td>REMINDER REPORT TEMPLATE</td>
<td>This file is used by the reminder reports options only. For each type of report (e.g. Reminders Due) selection parameters used in a report may be saved as a template when the report is being run. When running reports, the user may opt to retrieve parameters from an existing template as the basis of a new report. Templates may be modified, renamed, copied or deleted from the reminder report options. The parameters for the reminder reports consist of a patient sample (e.g., PCMM team) from which a patient list is built and also a list of reminders to be evaluated for each selected patient. The field names in the template file correspond to the local variable and array names used in the print routines.</td>
</tr>
<tr>
<td>810.2</td>
<td>REMINDER EXTRACT DEFINITION</td>
<td>New QUERI project extracts of national data for rollup to the Austin Automation Center are based on the parameters in this file. Each QUERI project extract has a single parameter entry which defines the frequency and type of extract. The extract type may be either compliance totals, finding totals or both. The extract parameter also contains the list rules (#810.4) used to build lists of patients and the reminders to be evaluated for the extract compliance totals. If finding totals are required then finding rules (#810.7) to define which reminder terms to collect are also defined. Data from the extract is stored in the extract summary file (#810.3) and patient lists are saved in the patient list file (#810.5). HL7 messages containing the extract data from the extract summary (#810.3) are passed to the HL7 package for transmission to the AAC. Individual patient level data is not extracted. Nationally distributed parameters are prefixed 'VA-' and cannot be modified by site.</td>
</tr>
<tr>
<td>File #</td>
<td>File Name</td>
<td>File Description</td>
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</tr>
<tr>
<td>810.3</td>
<td>REMINDER EXTRACT SUMMARY</td>
<td>New This file stores findings found for a specific extract. The extract entries are read-only and may be selected by number or extract name. Extract summary reports of compliance are generated by monthly extract runs. These extract summary reports detail the information transmitted to the central repository. For a selected extract type (e.g., VA-IHD QUERI or VA-MH QUERI), the extract parameters, which control the extract frequency and content, may be displayed or printed. Extracts and transmissions for a selected prior period may be initiated manually from Extract Summary options. Existing extracts may also be re-transmitted, if required.</td>
</tr>
</tbody>
</table>
| 810.4  | REMINDER LIST RULE              | New This file is used by QUERI Extracts in building patient lists. The file is also used by the Patient List option to create patient lists. There are three types of record in the file:  
  - Patient List Rules – define an existing patient list  
  - Finding Rules – define reminder terms  
  - Rule Sets – contain both Finding and Patient List rules.                                                                                                                                                                                                                     |
<p>| 810.5  | REMINDER PATIENT LIST           | New Patient lists in this file are created as part of the automatic periodic QUERI Extract run. This type of patient list is retained for 5 years. The reminders due report also allows patient lists to be created.                                                                                             |
| 810.7  | REMINDER EXTRACT COUNTING RULE  | New This file is referenced by the extract parameters (#810.2) to define groups of finding totals that should be extracted for reminders defined in the extract parameters. Nationally distributed extract finding rules are prefixed 'VA-' and cannot be modified by site.                                                                                           |
| 810.8  | REMINDER COUNTING GROUP         | New Finding groups are referenced by the QUERI extract parameters. Each group defines reminder terms and type of count to be totaled by the extract process. Nationally distributed groups are prefixed 'VA-' and cannot be modified by a site.                                                                                       |
| 810.9  | REMINDER LOCATION LIST          | New This file contains lists of stop codes and hospital locations for use as reminder findings. The stop codes and hospital locations are those associated with a Visit file entry.                                                                                                           |
| 811.2  | REMINDER TAXONOMY               | This file stores the Clinical Reminder taxonomies. A taxonomy is a way to give a name to a set of codes. These codes can be ICD Diagnosis, ICD Operation/Procedure or CPT. This file contains a combination of nationally distributed and local entries. Any local entries are assigned an internal entry number prefixed with your site number. Nationally distributed entries have their name prefixed with VA-. Local entry names cannot start with VA-. |</p>
<table>
<thead>
<tr>
<th>File #</th>
<th>File Name</th>
<th>File Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>811.3</td>
<td>EXPANDED TAXONOMIES</td>
<td>This file contains expanded taxonomies. It is used as a data cache so the expansion does not need to be continuously done. The expansion is rebuilt whenever a taxonomy is edited or one of the source files has changed since the expansion was last done. The source files are ICD0, ICD9, and ICPT. Entries in this file should never be set by hand.</td>
</tr>
<tr>
<td>811.4</td>
<td>REMINDER COMPUTED FINDINGS</td>
<td>When none of the standard finding types will work, a computed finding can be created. There are two steps in creating a computed finding: First a MUMPS routine must be written. Information about how to do this can be found in the Clinical Reminders Manager Manual. The second step is to make an entry in this file, which contains a list of reminder computed findings. This file contains a combination of nationally distributed and local entries. Nationally distributed entries have their name prefixed with VA-. Local entry names cannot start with VA.</td>
</tr>
<tr>
<td>811.5</td>
<td>REMINDER TERM</td>
<td>This file defines terms that may be used within reminder definitions. Reminder terms are useful for national reminders involving findings that are based on local file definitions (e.g., laboratory test, drug file, radiology). National reminder terms have limited editing capabilities which allow sites to map their local finding items to a term. Sites may create local reminder terms, providing an easy way to group a variety of findings and treat them the same way in a reminder. When a reminder with terms is evaluated, the finding items mapped to the term are used to find the patient data, but the patient data is reported based on the term the data is mapped to. The most recent true finding will be used to represent the term. This file contains a combination of national, local, and VISN level terms. Any local terms are assigned an internal entry number prefixed with your site number. Nationally distributed entries will have a Term Type of &quot;National&quot;.</td>
</tr>
<tr>
<td>811.6</td>
<td>REMINDER SPONSOR</td>
<td>This file contains the names of groups or organizations that are sponsors of reminder components such as definitions, terms, and dialogs. Entries cannot be edited using FileMan; you must use the Reminder Sponsor Edit option.</td>
</tr>
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Clinical Reminders (PXRM) Version 2.0

## 5.3 File Security

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<tr>
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<th>LAYGO</th>
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</tbody>
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5.4 Cross-references

5.4.1 CLINICAL REMINDER PARAMETERS

File #800

Traditional Cross-References:
5.4.2 REMINDER DIALOG

File #801.41

Traditional Cross-References:

**AC** REGULAR
Field: IDENTIFY (801.41,111)
Description: "AC",IDENTIFY,DA
1) = S ^PXRMD(801.41,"AC",$E(X,1,30),DA)=""
2) = K ^PXRMD(801.41,"AC",$E(X,1,30),DA)

**AG** REGULAR
Field: SOURCE REMINDER (801.41,2)
Description: Index of dialogs by source reminder.
1) = S ^PXRMD(801.41,"AG",$E(X,1,30),DA)=""
2) = K ^PXRMD(801.41,"AG",$E(X,1,30),DA)

**TYPE** REGULAR
Field: TYPE (801.41,4)
1) = S ^PXRMD(801.41,"TYPE",$E(X,1,30),DA)=""
2) = K ^PXRMD(801.41,"TYPE",$E(X,1,30),DA)

New-Style Indexes:

**B** (#427) FIELD REGULAR IR LOOKUP & SORTING
Unique for: Key B (#37), File #801.41
Short Descr: B Cross-reference
cross reference.
Set Logic: S ^PXRMD(801.41,"B",$E(X,1,63),DA)=""
Kill Logic: K ^PXRMD(801.41,"B",$E(X,1,63),DA)
Whole Kill: K ^PXRMD(801.41,"B")
X(1): NAME (801.41,.01) (Subscr 1) (Len 63) (forwards)

**R** (#428) FIELD MUMPS IR LOOKUP & SORTING
Short Descr: This will be used for identifying replacement
elements/groups
Set Logic: S ^PXRMD(801.41,"R",X,DA)=""
Kill Logic: K ^PXRMD(801.41,"R",X,DA)
Whole Kill: K ^PXRMD(801.41,"R")
X(1): REPLACEMENT ELEMENT/GROUP (801.41,118) (Subscr 1) (forwards)

Subfile #801.41121
Traditional Cross-References:

B REGULAR
Field: RESULT GROUP (801.41121,.01)
1) = $P(\text{^PXRMD}(801.41,DA(1),51,"B",x(1,30),DA)="
2) = $K(\text{^PXRMD}(801.41,DA(1),51,"B",x(1,30),DA)

Subfile #801.4118

Traditional Cross-References:

B REGULAR
Field: ADDITIONAL FINDINGS (801.4118,.01)
1) = $P(\text{^PXRMD}(801.41,DA(1),3,"B",x(1,30),DA)="
2) = $K(\text{^PXRMD}(801.41,DA(1),3,"B",x(1,30),DA)
3) = Required Index for Variable Pointer

Subfile #801.412

Traditional Cross-References:

AD REGULAR WHOLE FILE (#801.41)
Field: ITEM (801.412,2)
1) = $P(\text{^PXRMD}(801.41,DA(1),10,"D",x(1,30),DA)="
2) = $K(\text{^PXRMD}(801.41,DA(1),10,"D",x(1,30),DA)

B REGULAR
Field: SEQUENCE (801.412,.01)
1) = $P(\text{^PXRMD}(801.41,DA(1),10,"B",x(1,30),DA)="
2) = $K(\text{^PXRMD}(801.41,DA(1),10,"B",x(1,30),DA)

D REGULAR
Field: ITEM (801.412,2)
1) = $P(\text{^PXRMD}(801.41,DA(1),10,"D",x(1,30),DA)="
2) = $K(\text{^PXRMD}(801.41,DA(1),10,"D",x(1,30),DA)

DAD1 MUMPS
Field: SEQUENCE (801.412,.01)

Description: Allows retrieval of 'child' prompts in sequence by parent.
1) = N PXRMP S
PXRMP=$P(\text{^PXRMD}(801.41,DA(1),10,DA,0),U,11) S
:PXRMP $P(\text{^PXRMD}(801.41,DA(1),10,"DAD",PXRMP,X,DA)="
2) = N PXRMP S
PXRMP=$P(\text{^PXRMD}(801.41,DA(1),10,DA,0),U,11) K
:PXRMP $P(\text{^PXRMD}(801.41,DA(1),10,"DAD",PXRMP,X,DA)

Subfile #801.4145

Traditional Cross-References:

B REGULAR
Field: CHECKBOX SEQUENCE (801.4145,.01)
1) = $P(\text{^PXRMD}(801.41,DA(1),45,"B",x(1,30),DA)="
2) = $K(\text{^PXRMD}(801.41,DA(1),45,"B",x(1,30),DA)

Subfile #801.44

Traditional Cross-References:
5.4.3 REMINDER GUI PROCESS

File #801.42

Traditional Cross-References:

**B** REGULAR

Field: NAME (801.42,.01)

1) = S ^PXRMD(801.42,"B",$E(X,1,30),DA)=""
2) = K ^PXRMD(801.42,"B",$E(X,1,30),DA)

Subfile #801.422

Traditional Cross-References:

**AB** REGULAR WHOLE FILE (#801.42)

Field: RELATED REMINDER DIALOG (801.422,.01)

1) = S ^PXRMD(801.42,"AB",$E(X,1,30),DA(1),DA)=""
2) = K ^PXRMD(801.42,"AB",$E(X,1,30),DA(1),DA)

**B** REGULAR

1) = S ^PXRMD(801.42,DA(1),2,"B",$E(X,1,30),DA)=""
2) = K ^PXRMD(801.42,DA(1),2,"B",$E(X,1,30),DA)

Field: RELATED REMINDER DIALOG (801.422,.01)

5.4.4 REMINDER FINDING ITEM PARAMETER

File #801.43

Traditional Cross-References:

**AC** REGULAR

Field: FINDING ITEM (801.43,.02)

Description: This cross reference is used by the dialog build to see if any finding item dialog exists for a reminder finding item.

1) = S ^PXRMD(801.43,"AC",$E(X,1,30),DA)=""
2) = K ^PXRMD(801.43,"AC",$E(X,1,30),DA)

**B** REGULAR

Field: NAME (801.43,.01)

1) = S ^PXRMD(801.43,"B",$E(X,1,30),DA)=""
2) = K ^PXRMD(801.43,"B",$E(X,1,30),DA)

5.4.5 REMINDER FINDING TYPE PARAMETER

File #801.45
5.4.6 REMINDER DIALOG PATIENT ASSOCIATION

File #801.5

Traditional Cross-References:

B REGULAR
Field: PATIENT (801.5,.01)
1) = S ^PXRMD(801.5,"B",$E(X,1,30),DA)=""
2) = K ^PXRMD(801.5,"B",$E(X,1,30),DA)

New-Style Indexes:

AC (#457) RECORD REGULAR IR SORTING ONLY
Short Descr: Reminder Dialog connection to module
Set Logic: S
^PXRMD(801.5,"AC",$E(X(1),1,30),X(2),$E(X(3),1,30),DA)=""
Kill Logic: K ^PXRMD(801.5,"AD",$E(X(1),1,30),$E(X(2),1,30),DA)
Whole Kill: K ^PXRMD(801.5,"AD")
X(1): PATIENT (801.5,.01) (Subscr 1) (Len 30) (forwards)
X(2): DATE/TIME (801.5,.02) (Subscr 2) (forwards)
X(3): IDENTIFY (801.5,.03) (Subscr 3) (Len 30) (forwards)

AD (#458) RECORD REGULAR IR SORTING ONLY
Short Descr: patient U identify
Description: Crossreference between the patient and identify fields
Set Logic: S ^PXRMD(801.5,"AD",$E(X(1),1,30),$E(X(2),1,30),DA)=""
Kill Logic: K ^PXRMD(801.5,"AD",$E(X(1),1,30),$E(X(2),1,30),DA)
Whole Kill: K ^PXRMD(801.5,"AD")
X(1): PATIENT (801.5,.01) (Subscr 1) (Len 30) (forwards)
X(2): IDENTIFY (801.5,.03) (Subscr 2) (Len 30) (forwards)

ANOTE (#459) RECORD REGULAR IR SORTING ONLY
Short Descr: NOTEIEN,IDENTIFY,DA
Description: This cross reference will help in maintaining concurrence between TIU, PCE and Clinical Reminders. NOTEIEN ^ IDENTIFY

Set Logic: S ^PXRMD(801.5,"ANOTE",$E(X(1),1,20),$E(X(2),1,30),DA)=""
Kill Logic: K ^PXRMD(801.5,"ANOTE",$E(X(1),1,20),$E(X(2),1,30),DA)
Whole Kill: K ^PXRMD(801.5,"ANOTE")
X(1): NOTEIEN (801.5,.04) (Subscr 1) (Len 20) (forwards)
X(2): IDENTIFY (801.5,.03) (Subscr 2) (Len 30) (forwards)

5.4.7 REMINDER RESOLUTION STATUS

File #801.9

Traditional Cross-References:

B REGULAR
Field: NAME (801.9,.01)
1) = S ^PXRMD(801.9,"B",$E(X,1,30),DA)=""
2) = K ^PXRMD(801.9,"B",$E(X,1,30),DA)

New-Style Indexes:

ACP (#389) FIELD MUMPS IR ACTION
Short Descr: Remove pointers to deleted local statuses from the sub-status multiple.
Description: When a local status is deleted the ACP cross reference is used to remove the local status from the sub-status multiple on the related national status. To determine the national status to which the local status belongs the AC index is used.
Set Logic: Q
Kill Logic: D KILLAC^PXRMSEDT Q
X(1): NAME (801.9,.01) (Subscr 1) (Len 30) (forwards)

Subfile #801.9001

Traditional Cross-References:

B REGULAR
Field: SUB-STATUS (801.9001,.01)
1) = S ^PXRMD(801.9,DA(1),10,"B",$E(X,1,30),DA)=""
2) = K ^PXRMD(801.9,DA(1),10,"B",$E(X,1,30),DA)

New-Style Indexes:

AC (#388) FIELD REGULAR IR SORTING ONLY WHOLE FILE (#801.9)
Short Descr: Local to National Status pointers
Description: This index holds pointers from local resolution codes to national resolution codes. These pointers are created when a local code is added.
Set Logic: S ^PXRMD(801.9,"AC",X,DA(1),DA)=""
Kill Logic: K ^PXRMD(801.9,"AC",X,DA(1),DA)
5.4.8 HEALTH FACTOR RESOLUTION

File #801.95

Traditional Cross-References:

B REGULAR
Field:  NAME (801.95,.01)
1) = S ^PXRMD(801.95,"B",$E(X,1,30),DA)="
2) = K ^PXRMD(801.95,"B",$E(X,1,30),DA)

Subfile #801.9501

Traditional Cross-References:

B REGULAR
Field:  RESOLUTION STATUS (801.9501,.01)
1) = S ^PXRMD(801.95,DA(1),1,"B",$E(X,1,30),DA)="
2) = K ^PXRMD(801.95,DA(1),1,"B",$E(X,1,30),DA)

5.4.9 REMINDER FUNCTION FINDING

File #802.4

New-Style Indexes:

B (#464) FIELD REGULAR IR LOOKUP & SORTING
Unique for:  Key A (#32), File #802.4
Short Descr:  This is a new-style B cross-reference
Set Logic:  S ^PXRMD(802.4,"B",$E(X,1,30),DA)="
Kill Logic:  K ^PXRMD(802.4,"B",$E(X,1,30),DA)
Whole Kill:  K ^PXRMD(802.4,"B")
  X(1):  NAME (802.4,.01) (Subscr 1) (Len 30) (forwards)

Subfile #802.42

Traditional Cross-References:

B REGULAR
Field:  EDIT DATE (802.42,.01)
1) = S ^PXRMD(802.4,DA(1),110,"B",$E(X,1,30),DA)="
2) = K ^PXRMD(802.4,DA(1),110,"B",$E(X,1,30),DA)

5.4.10 REMINDER REPORT TEMPLATE

File #810.1

Traditional Cross-References:

B REGULAR
Field:  NAME (810.1,.01)
1) = S ^PXRMPT(810.1,"B",$E(X,1,30),DA)="
2) = K "PXRMPT(810.1,"B",E(X,1,30),DA)"

Subfile #810.11

Traditional Cross-References:

B REGULAR
Field: LOCATION (810.11,01)
  1) = S "PXRMPT(810.1,DA(1),9,"B",E(X,1,30),DA)=""
  2) = K "PXRMPT(810.1,DA(1),9,"B",E(X,1,30),DA)"

Subfile #810.111

Traditional Cross-References:

B REGULAR
Field: STOP CODE (810.111,01)
  1) = S "PXRMPT(810.1,DA(1),10,"B",E(X,1,30),DA)=""
  2) = K "PXRMPT(810.1,DA(1),10,"B",E(X,1,30),DA)"

Subfile #810.112

Traditional Cross-References:

B REGULAR
Field: CLINIC GROUP (810.112,01)
  1) = S "PXRMPT(810.1,DA(1),11,"B",E(X,1,30),DA)=""
  2) = K "PXRMPT(810.1,DA(1),11,"B",E(X,1,30),DA)"

Subfile #810.113

Traditional Cross-References:

B REGULAR
Field: REMINDER CATEGORY (810.113,01)
  1) = S "PXRMPT(810.1,DA(1),12,"B",E(X,1,30),DA)=""
  2) = K "PXRMPT(810.1,DA(1),12,"B",E(X,1,30),DA)"

Subfile #810.114

Traditional Cross-References:

B REGULAR
Field: PATIENT LIST (810.114,01)
  1) = S "PXRMPT(810.1,DA(1),13,"B",E(X,1,30),DA)=""
  2) = K "PXRMPT(810.1,DA(1),13,"B",E(X,1,30),DA)"

Subfile #810.12

Traditional Cross-References:

B REGULAR
Field: REMINDER (810.12,01)
  1) = S "PXRMPT(810.1,DA(1),1,"B",E(X,1,30),DA)=""
  2) = K "PXRMPT(810.1,DA(1),1,"B",E(X,1,30),DA)"

Subfile #810.13

Traditional Cross-References:

B REGULAR
Field: FACILITY (810.13,01)
  1) = S "PXRMPT(810.1,DA(1),6,"B",E(X,1,30),DA)=""
5.4.11 REMINDER EXTRACT DEFINITION

File #810.2

Traditional Cross-References:

B REGULAR
Field: NAME (810.2,.01)
1) = S ^PXRM(810.2, "B", $E(X, 1, 30), DA) =""
2) = K ^PXRM(810.2, "B", $E(X, 1, 30), DA)

Subfile #810.21

New-Style Indexes:

B (#429) FIELD REGULAR IR LOOKUP & SORTING
Unique for: Key A (#38), File #810.21
Short Descr: Uniqueness Index for Key 'A' of Subfile #810.21
5.4.12 REMINDER EXTRACT SUMMARY

File #810.3

New-Style Indexes:

B (#466) FIELD REGULAR IR LOOKUP & SORTING  
Short Descr: "B" cross-reference for .01  
Set Logic: S ^PXRMXT(810.3,"B",E(X,1,64),DA)=""  
Kill Logic: K ^PXRMXT(810.3,"B",E(X,1,64),DA)  
Whole Kill: K ^PXRMXT(810.3,"B")  
X(1): NAME (810.3,.01) (Subscr 1) (Len 64) (forwards)

C (#467) RECORD REGULAR IR LOOKUP & SORTING  
Short Descr: C INDEX  
Set Logic: S ^PXRMXT(810.3,"C",X(1),X(2),DA)=""  
Kill Logic: K ^PXRMXT(810.3,"C",X(1),X(2),DA)  
Whole Kill: K ^PXRMXT(810.3,"C")  
X(1): EXTRACT DEFINITION (810.3,1) (Subscr 1) (forwards)  
X(2): EXTRACT DATE (810.3,.06) (Subscr 2) (forwards)

D (#468) RE Short Descr: C INDEX  
Set Logic: S ^PXRMXT(810.3,"D",X(1),X(2),X(3),DA)=""  
Kill Logic: K ^PXRMXT(810.3,"D",X(1),X(2),X(3),DA)  
Whole Kill: K ^PXRMXT(810.3,"D")  
X(1): EXTRACT DEFINITION (810.3,1) (Subscr 1) (forwards)  
X(2): REPORTING YEAR (810.3,4) (Subscr 2) (forwards)  
X(3): REPORTING PERIOD (810.3,3) (Subscr 3) (backwards)

Subfile #810.31  
Traditional Cross-References:  
AC MUMPS  
Field: VISIT (810.31,.07)
Description: This cross-reference adds and subtracts from the Dependent Entry Count in the VISIT file.
1) = D ADD^AUFNVSIT
2) = D SUB^AUFNVSIT

B REGULAR
Field: PATIENT (810.31,.01) CORD REGULAR IR LOOKUP & SORTING
1) = S ^PXRMXT(810.3,DA(1),1,"B",$E(X,1,30),DA)="
2) = K ^PXRMXT(810.3,DA(1),1,"B",$E(X,1,30),DA)

New-Style Indexes:

AV (#465) FIELD REGULAR IR SORTING ONLY WHOLE FILE (#810.3)
Short Descr: VISIT, TOP FILE NUMBER IEN, SUB FILE IEN
Description: Visit Pointer Index
Set Logic: S ^PXRMXT(810.3,"AV",X,DA(1),DA)="
Kill Logic: K ^PXRMXT(810.3,"AV",X,DA(1),DA)
Whole Kill: K ^PXRMXT(810.3,"AV")
X(1): VISIT (810.31,.07) (Subscr 1) (forwards)

Subfile #810.32

Traditional Cross-References:

B REGULAR
Field: FINDING ITEM (810.32,.01)
1) = S ^PXRMXT(810.3,DA(1),2,"B",$E(X,1,30),DA)="
2) = K ^PXRMXT(810.3,DA(1),2,"B",$E(X,1,30),DA)
3) = Required Index for Variable Pointer

Subfile #810.33

Traditional Cross-References:

B REGULAR
Field: EXTRACT SEQUENCE (810.33,.01)
1) = S ^PXRMXT(810.3,DA(1),3,"B",$E(X,1,30),DA)="
2) = K ^PXRMXT(810.3,DA(1),3,"B",$E(X,1,30),DA)

Subfile #810.331

Traditional Cross-References:

B REGULAR
Field: FINDING SEQUENCE (810.331,.01)
1) = S ^PXRMXT(810.3,DA(2),3,DA(1),1,"B",$E(X,1,30),DA)="
2) = K ^PXRMXT(810.3,DA(2),3,DA(1),1,"B",$E(X,1,30),DA)

Subfile #810.3316

Traditional Cross-References:

B REGULAR
Field: UNIQUE APPLICABLE PATIENT (810.3316,.01)
1) = S ^PXRMXT(810.3,DA(3),3,DA(2),1,DA(1),1,"B",$E(X,1,30),
   DA)="
2) = K ^PXRMXT(810.3,DA(3),3,DA(2),1,DA(1),1,"B",$E(X,1,30),
5.4.13 REMINDER LIST RULE

File #810.4

New-Style Indexes:

B (#430) FIELD REGULAR IR LOOKUP & SORTING
Short Descr: B Index
Set Logic: S "^PXRM(810.4,"B",$E(X,1,96),DA)=""
Kill Logic: K "^PXRM(810.4,"B",$E(X,1,96),DA)
Whole Kill: K "^PXRM(810.4,"B")"
X(1): NAME (810.4,.01) (Subscr 1) (Len 96) (forwards)

Subfile #810.41

Traditional Cross-References:

AD REGULAR WHOLE FILE (#810.4)
Field: LIST RULE (810.41,.02)
Description: This index is used to determine which rule sets a list rule
belongs to.
2)= K "^PXRM(810.4,"AD",$E(X,1,30),DA(1),DA)

D REGULAR
Field: LIST RULE (810.41,.02)
1)= S "^PXRM(810.4,DA(1),30,"D",$E(X,1,30),DA)=""
2)= K "^PXRM(810.4,DA(1),30,"D",$E(X,1,30),DA)

New-Style Indexes:

B (#431) FIELD REGULAR IR LOOKUP & SORTING
Unique for: Key A (#39), File #810.41
Short Descr: Uniqueness Index for Key 'A' of Subfile #810.41
Set Logic: S "^PXRM(810.4,DA(1),30,"B",X,DA)=""
Kill Logic: K "^PXRM(810.4,DA(1),30,"B",X,DA)
Whole Kill: K "^PXRM(810.4,DA(1),30,"B")"
X(1): SEQUENCE (810.41,.01) (Subscr 1)
1)= S "^PXRM(810.4,"AD",$E(X,1,30),DA(1),DA)=""
Subfile #810.42
5.4.14 REMINDER PATIENT LIST

File #810.5

New-Style Indexes:

B (#432) FIELD REGULAR IR LOOKUP & SORTING
Short Descr: B Index
Set Logic: S ^PXRMXP(810.5,"B",$E(X,1,96),DA)=""$n
Kill Logic: K ^PXRMXP(810.5,"B",$E(X,1,96),DA)
Whole Kill: K ^PXRMXP(810.5,"B")
X(1): NAME (810.5,.01) (Subscr 1) (Len 96) (forwards)

D (#433) FIELD REGULAR IR LOOKUP & SORTING
Short Descr: D INDEX
Set Logic: S ^PXRMXP(810.5,"D",X,DA)=""$n
Kill Logic: K ^PXRMXP(810.5,"D",X,DA)
Whole Kill: K ^PXRMXP(810.5,"D")
X(1): EXTRACT DEFINITION (810.5,.05) (Subscr 1) (forwards)

Subfile #810.53

Traditional Cross-References:

B REGULAR
Field: PATIENTS (810.53,.01)
1)= S ^PXRMXP(810.5,DA(1),30,"B",$E(X,1,30),DA)=""
2)= K ^PXRMXP(810.5,DA(1),30,"B",$E(X,1,30),DA)

Subfile #810.531

New-Style Indexes:

B (#434) FIELD REGULAR IR LOOKUP & SORTING
Short Descr: New-style B cross-reference
Set Logic: S ^PXRMXP(810.5,DA(2),30,DA(1),"DATA","B",$E(X,1,64),DA)=""
Kill Logic: K ^PXRMXP(810.5,DA(2),30,DA(1),"DATA","B",$E(X,1,64),DA)
Whole Kill: K ^PXRMXP(810.5,DA(2),30,DA(1),"DATA","B")
X(1): DATA TYPE (810.531,.01) (Subscr 1) (Len 64)
(forwards)

Subfile #810.532

Traditional Cross-References:

B REGULAR
Field: REMINDER (810.532,.01)
1)= S ^PXRMXP(810.5,DA(2),30,DA(1),"REM","B",$E(X,1,30),DA)=""
2)= K ^PXRMXP(810.5,DA(2),30,DA(1),"REM","B",$E(X,1,30),DA)
Subfile #810.535

New-Style Indexes:

B (#435) FIELD REGULAR IR LOOKUP & SORTING
Short Descr: New-style B cross-reference
Set Logic: S ^PXRMXP(810.5,DA(1),35,"B",SE(X,1,64),DA)=""
Kill Logic: K ^PXRMXP(810.5,DA(1),35,"B",SE(X,1,64),DA)
Whole Kill: K ^PXRMXP(810.5,DA(1),35,"B")
X(1): DATA TYPE (810.535,.01) (Subscr 1) (Len 64)
(forwards)

Subfile #810.54

Traditional Cross-References:

B REGULAR
Field: USERS (810.54,.01)
1) = S ^PXRMXP(810.5,DA(1),40,"B",SE(X,1,30),DA)=""
2) = K ^PXRMXP(810.5,DA(1),40,"B",SE(X,1,30),DA)

Subfile #810.545

Traditional Cross-References:

B REGULAR
Field: REMINDER (810.545,.01)
1) = S ^PXRMXP(810.5,DA(1),45,"B",SE(X,1,30),DA)=""
2) = K ^PXRMXP(810.5,DA(1),45,"B",SE(X,1,30),DA)

5.4.15 REMINDER EXTRACT COUNTING RULE

File #810.7

Traditional Cross-References:

B REGULAR
Field: NAME (810.7,.01)
1) = S ^PXRM(810.7,"B",SE(X,1,30),DA)=""
2) = K ^PXRM(810.7,"B",SE(X,1,30),DA)

Subfile #810.701

Traditional Cross-References:

B REGULAR
Field: SEQUENCE NUMBER (810.701,.01)
1) = S ^PXRM(810.7,DA(1),10,"B",SE(X,1,30),DA)=""
2) = K ^PXRM(810.7,DA(1),10,"B",SE(X,1,30),DA)

New-Style Indexes:

B (#436) FIELD REGULAR IR LOOKUP & SORTING
Unique for: Key A (#40), File #810.701
Short Descr: Uniqueness Index for Key 'A' of Subfile #810.701
Set Logic: S ^PXRM(810.7,DA(1),10,"B",X,DA)=""
Kill Logic: K ^PXRM(810.7,DA(1),10,"B",X,DA)
Whole Kill: K ^PXRM(810.7,DA(1),10,"B")
X(1): SEQUENCE NUMBER (810.701,.01) (Subscr 1)
5.4.16 REMINDER COUNTING GROUP

File #810.8

New-Style Indexes:

B (#437) FIELD REGULAR IR LOOKUP & SORTING
Short Descr: B Index
Set Logic: S ^PXRM(810.8,"B",$E(X,1,64),DA)="
Kill Logic: K ^PXRM(810.8,"B",$E(X,1,64),DA)
Whole Kill: K ^PXRM(810.8,"B")
X(1): NAME (810.8,.01) (Subscr 1) (Len 64) (forwards)

Subfile #810.801

New-Style Indexes:

B (#438) FIELD REGULAR IR LOOKUP & SORTING
Unique for: Key A (#41), File #810.801
Short Descr: Uniqueness Index for Key 'A' of Subfile #810.801
Set Logic: S ^PXRM(810.8,DA(1),10,"B",X,DA)="
Kill Logic: K ^PXRM(810.8,DA(1),10,"B",X,DA)
Whole Kill: K ^PXRM(810.8,DA(1),10,"B")
X(1): SEQUENCE (810.801,.01) (Subscr 1)

Subfile #810.82

Traditional Cross-References:

B REGULAR
Field: EDIT DATE (810.82,.01)
1)= S ^PXRM(810.8,DA(1),110,"B",$E(X,1,30),DA)="
2)= K ^PXRM(810.8,DA(1),110,"B",$E(X,1,30),DA)

5.4.17 REMINDER LOCATION LIST

File #810.9

New-Style Indexes:

B (#489) FIELD REGULAR IR LOOKUP & SORTING
Unique for: Key A (#45), File #810.9
Short Descr: This is a new-style B cross-reference
Set Logic: S ^PXRM(810.9,"B",$E(X,1,64),DA)="
Kill Logic: K ^PXRM(810.9,"B",$E(X,1,64),DA)
Whole Kill: K ^PXRM(810.9,"B")
X(1): NAME (810.9,.01) (Subscr 1) (Len 64) (forwards)
Subfile #810.9001

Traditional Cross-References:

B REGULAR
Field: CLINIC STOP (810.9001,.01)
1) = S ^PXRMD(810.9,DA(1),40.7,"B",$E(X,1,30),DA)=""
2) = K ^PXRMD(810.9,DA(1),40.7,"B",$E(X,1,30),DA)

New-Style Indexes:

AC (#490) FIELD MUMPS IR ACTION
Short Descr: Set the AMIS Reporting Stop Code
Set Logic: D SAMIS^PXRMLLED(X,DA)
Kill Logic: D KAMIS^PXRMLLED(X,DA)
X(1): CLINIC STOP (810.9001,.01) (Subscr 1) (forwards)

Subfile #810.90011

Traditional Cross-References:

B REGULAR
Field: CREDIT STOP TO EXCLUDE (810.90011,.01)
1) = S ^PXRMD(810.9,DA(2),40.7,DA(1),1,"B",$E(X,1,30),DA)=""
2) = K ^PXRMD(810.9,DA(2),40.7,DA(1),1,"B",$E(X,1,30),DA)

New-Style Indexes:

ACEX (#491) FIELD MUMPS IR ACTION
Short Descr: Set the AMIS Reporting Stop Code
Set Logic: D SAMIS^PXRMLLED(X,DA)
Kill Logic: D KAMIS^PXRMLLED(X,DA)
X(1): CREDIT STOP TO EXCLUDE (810.90011,.01) (Subscr 1) (forwards)

Subfile #810.9002

Traditional Cross-References:

B REGULAR
Field: EDIT DATE (810.9002,.01)
1) = S ^PXRMD(810.9,DA(1),110,"B",$E(X,1,30),DA)=""
2) = K ^PXRMD(810.9,DA(1),110,"B",$E(X,1,30),DA)

Subfile #810.944

Traditional Cross-References:

B REGULAR
Field: HOSPITAL LOCATION (810.944,.01)
1) = S ^PXRMD(810.9,DA(1),44,"B",$E(X,1,30),DA)=""
2) = K ^PXRMD(810.9,DA(1),44,"B",$E(X,1,30),DA)

5.4.18 REMINDER TAXONOMY

File #811.2

New-Style Indexes:
### APDS (#401) FIELD MUMPS IR ACTION

**Short Descr:** When PDS is edited rebuild the PDS fields in 811.3

**Set Logic:** D SPDS$^PXRMPDS(.X,.X1,.X2,.DA)

**Kill Logic:** D KPDS$^PXRMPDS(.X,.X1,.X2,.DA)

**X(1):** PATIENT DATA SOURCE (811.2,4) (Subscr 1) (forwards)

### B (#402) FIELD REGULAR IR LOOKUP & SORTING

**Unique for:** Key A (#29), File #811.2

**Short Descr:** New style B cross-reference

**Set Logic:** S ^PXD(811.2,"B",$E(X,1,35),DA)=""

**Kill Logic:** K ^PXD(811.2,"B",$E(X,1,35),DA)

**Whole Kill:** K ^PXD(811.2,"B")

**X(1):** NAME (811.2,01) (Subscr 1) (Len 35) (forwards)

Subfile #811.21

**Traditional Cross-References:**

#### B REGULAR

**Field:** EDIT DATE (811.21,01)

1) = S ^PXD(811.2,DA(1),110,"B",$E(X,1,30),DA)=""

2) = K ^PXD(811.2,DA(1),110,"B",$E(X,1,30),DA)

Subfile #811.22102

**Traditional Cross-References:**

#### B REGULAR

**Field:** ICD9 LOW CODE (811.22102,01)

1) = S ^PXD(811.2,DA(1),80,"B",$E(X,1,30),DA)=""

2) = K ^PXD(811.2,DA(1),80,"B",$E(X,1,30),DA)

**New-Style Indexes:**

### AD (#403) RECORD MUMPS IR ACTION

**Short Descr:** Whenever ICD9 entries are edited, rebuild expanded taxonomy

**Set Logic:** D TAXEDIT$^PXRMTAXD(DA(1),"")

**Kill Logic:** D TAXEDIT$^PXRMTAXD(DA(1),DA)

**Kill Cond:** S X=1 I $$EDITNK$^PXRMLOGX(.X1,.X2) S X=0

**Whole Kill:** D TAXKILL$^PXRMTAXD(DA(1))

**X(1):** ICD9 LOW CODE (811.22102,01) (forwards)

**X(2):** ICD9 HIGH CODE (811.22102,1) (forwards)

### AICD9N (#404) FIELD MUMPS IR ACTION

**Short Descr:** Populate the ICD9 ADJACENT HIGHER CODE field

**Set Logic:** S $P(^PXD(811.2,DA(1),80,DA,0),U,4)=$$NEXT$^ICDAPIU(X)

**Kill Logic:** S $P(^PXD(811.2,DA(1),80,DA,0),U,4)=""

**X(1):** ICD9 HIGH CODE (811.22102,1) (Subscr 1) (forwards)

### AICD9P (#405) FIELD MUMPS IR ACTION

**Short Descr:** Populate the ICD9 ADJACENT LOWER CODE FIELD

**Set Logic:** S $P(^PXD(811.2,DA(1),80,DA,0),U,3)=$$PREV$^ICDAPIU(X)

**Kill Logic:** S $P(^PXD(811.2,DA(1),80,DA,0),U,3)=""

**X(1):** ICD9 LOW CODE (811.22102,.01) (Subscr 1) (forwards)

Subfile #811.22103

**Traditional Cross-References:**

#### B REGULAR

**Field:** ICDO LOW CODE (811.22103,.01)

1) = S ^PXD(811.2,DA(1),80.1,"B",$E(X,1,30),DA)=""
New-Style Indexes:

AC (#406) RECORD MUMPS IR ACTION

Short Descr: Whenever ICD0 entries are changed, rebuild the expanded taxonomy

Set Logic: D TAXEDIT^PXRMTAXD(DA(1),"")
Kill Logic: D TAXEDIT^PXRMTAXD(DA(1),DA)
Kill Cond: S X=1 I $$EDITNXR^PXRMLOGX(.X1,.X2) S X=0
Whole Kill: D TAXKILL^PXRMTAXD(DA(1))
X(1): ICD0 LOW CODE (811.22103,.01) (forwards)
X(2): ICD0 HIGH CODE (811.22103.01) (forwards)

AICDON (#407) FIELD MUMPS IR ACTION

Short Descr: Populate the ICD0 ADJACENT HIGHER CODE field

Set Logic: S $P(^PXD(811.2,DA(1),80.1,DA,0),U,4)=$$NEXT^ICDAPIU(X)
X(1): ICD0 HIGH CODE (811.22103,1) (Subscr 1) (forwards)

X(2): ICD0 HIGH CODE (811.22103.01) (Subscr 1) (forwards)

AICDOP (#408) FIELD MUMPS IR ACTION

Short Descr: Populate the ICD0 ADJACENT LOWER CODE field

Set Logic: S $P(^PXD(811.2,DA(1),80.1,DA,0),U,3)=$$PREV^ICDAPIU(X)
X(1): ICD0 LOW CODE (811.22103,.01) (Subscr 1) (forwards)

Subfile #811.22104

Traditional Cross-References:

B REGULAR

Field: CPT LOW CODE (811.22104,.01)

X(1): CPT LOW CODE (811.22104,.01) (Subscr 1) (forwards)

New-Style Indexes:

ACPTN (#409) FIELD MUMPS IR ACTION

Short Descr: Populate the CPT ADJACENT HIGHER CODE field

Set Logic: S $P(^PXD(811.2,DA(1),81,DA,0),U,4)=$$NEXT^ICPTAPIU(X)
X(1): CPT HIGH CODE (811.22104,1) (Subscr 1) (forwards)

ACPTP (#410) FIELD MUMPS IR ACTION

Short Descr: Populate the CPT ADJACENT LOWER CODE field

Set Logic: S $P(^PXD(811.2,DA(1),81,DA,0),U,3)=$$PREV^ICPTAPIU(X)
X(1): CPT LOW CODE (811.22104,.01) (Subscr 1) (forwards)

AE (#411) RECORD MUMPS IR ACTION

Short Descr: Whenever CPT entries are changed, rebuild the expanded taxonomy

Set Logic: D TAXEDIT^PXRMTAXD(DA(1),"")
Kill Logic: D TAXEDIT^PXRMTAXD(DA(1),DA)
Kill Cond: S X=1 I $$EDITNXR^PXRMLOGX(.X1,.X2) S X=0
Whole Kill: D TAXKILL^PXRMTAXD(DA(1))
X(1): CPT LOW CODE (811.22104,.01) (forwards)
X(2): CPT HIGH CODE (811.22104,1) (forwards)

Subfile #811.23102

Traditional Cross-References:
5.4.19 EXPANDED TAXONOMIES

File #811.3

Traditional Cross-References:

B REGULAR
Field: EXPANDED TAXONOMY (811.3,.01)
1) = S ^PXD(811.3,DA(1),"B",$E(X,1,30),DA)=""
2) = K ^PXD(811.3,DA(1),"B",$E(X,1,30),DA)

Subfile #811.31

New-Style Indexes:

ICD9P (#412) FIELD REGULAR IR LOOKUP & SORTING
Short Descr: ICD9 cross-reference
Set Logic: S ^PXD(811.3,DA(1),80,"ICD9P",X,DA)=""
Kill Logic: K ^PXD(811.3,DA(1),80,"ICD9P",X,DA)
Whole Kill: K ^PXD(811.3,DA(1),80,"ICD9P")
X(1): ICD9 CODE (811.31,.01) (Subscr 1) (forwards)

Subfile #811.32

New-Style Indexes:
5.4.20 REMINDER COMPUTED FINDINGS

File #811.4

New-Style Indexes:

B (#416) FIELD REGULAR IR LOOKUP & SORTING
Unique for: Key A (#30), File #811.4
Short Descr: New style B cross-reference
Set Logic: S ^PXRMD(811.4,"B",$E(X,1,64),DA)="
Kill Logic: K ^PXRMD(811.4,"B",$E(X,1,64),DA)
Whole Kill: K ^PXRMD(811.4,"B")
X(1): NAME (811.4,.01) (Subscr 1) (Len 64) (forwards)

Subfile #811.42
Traditional Cross-References:

B REGULAR
Field: EDIT DATE (811.42,.01)
1) = S ^PXRMD(811.4,DA(1),110,"B",$E(X,1,30),DA)=""
2) = K ^PXRMD(811.4,DA(1),110,"B",$E(X,1,30),DA)

5.4.21 REMINDER TERM

File #811.5

New-Style Indexes:

ADEL (#439) FIELD MUMPS ACTION
Short Descr: Set PXRMTMD=1 when the entire term is being deleted.
Description: PXRMTMD is set to 1 when a term is being deleted. This
fields
Set Logic: Q
Kill Logic: I X2="" S PXRMTMD=1
X(1): NAME (811.5,.01) (Subscr 1) (forwards)

B (#441) FIELD REGULAR IR LOOKUP & SORTING
Unique for: Key A (#42), File #811.5
Short Descr: New style B cross-reference
Set Logic: S ^PXRMD(811.5,"B",$E(X,1,64),DA)=""
Kill Logic: K ^PXRMD(811.5,"B",$E(X,1,64),DA)
Whole Kill: K ^PXRMD(811.5,"B")
X(1): NAME (811.5,.01) (Subscr 1) (Len 64) (forwards)

Subfile #811.52

Traditional Cross-References:

B REGULAR
Field: FINDING ITEM (811.52,.01)
1) = S ^PXRMD(811.5,DA(1),20,"B",$E(X,1,30),DA)=""
2) = K ^PXRMD(811.5,DA(1),20,"B",$E(X,1,30),DA)
3) = Required Index for Variable Pointer

E MUMPS
Field: FINDING ITEM (811.52,.01)
Description: This cross-reference is used to group findings by type.

The index it creates has the form:
^PXRMD(811.5,DA(1),20,"E",GLOBAL,IEN,DA)
where
DA(1) is the internal entry number in file # 811.5.
GLOBAL is the global name of the global that defines
the
For example, the global name for file #811.5
is
^PXRMD(811.5,.
IEN is the internal entry number of the finding in
GLOBAL.
DA is the finding number.
Some examples:

^PXRMD(811.5,2,20,"E","AUTTHF(","73,1)=
^PXRMD(811.5,7,20,"E","PXD(811.2","2,1)=
^PXRMD(811.5,10,20,"E","PSNDF(50.6","183,1)=

1)= D SENODE^PXRMENOD(.X,.DA,811.5)
2)= D KENODE^PXRMENOD(.X,.DA,811.5)

New-Style Indexes:

ACASE (#442) FIELD MUMPS IR ACTION
Short Descr: Reset internal condition whenever case sensitive field changes.
Set Logic: D CASESEN^PXRMCOND(X,.DA,811.5)
Kill Logic: D CASESEN^PXRMCOND(X,.DA,811.5)
X(1): CONDITION CASE SENSITIVE (811.52,15) (Subscr 1) (forwards)

ACOND (#443) FIELD MUMPS IR ACTION
Short Descr: Store the internal condition.
Set Logic: D SICOND^PXRMCOND(.X,.DA,811.5)
Kill Logic: D KICOND^PXRMCOND(.X,.DA,811.5)
X(1): CONDITION (811.52,14) (Subscr 1) (forwards)

ADATE (#444) RECORD MUMPS IR ACTION
Short Descr: Give a warning if the ending date is before the beginning date.
Set Logic: D COMPARE^PXRMDATE(.X)
Kill Logic: Q
X(1): BEGINNING DATE/TIME (811.52,9) (forwards)
X(2): ENDING DATE/TIME (811.52,12) (forwards)

AF (#440) FIELD REGULAR IR SORTING ONLY WHOLE FILE (#811.5)
Short Descr: Whole File Reference on Finding Items
Description: Finding Item,Reminder Term,Multiple Ien
Set Logic: S ^PXRMD(811.5,"AF","E(X,1,30),DA(1),DA)="
Kill Logic: K ^PXRMD(811.5,"AF","E(X,1,30),DA(1),DA)
Whole Kill: K ^PXRMD(811.5,"AF")
X(1): FINDING ITEM (811.52,.01) (Subscr 1) (Len 30) (forwards)

AWARN (#445) FIELD MUMPS ACTION
Short Descr: Warn the user to review the status list if Rx Type Field is changed.
Set Logic: D WARN^PXRMSTA1
Set Cond: S X=$S(X2"="":1,1:0)
Kill Logic: D WARN^PXRMSTA1
Kill Cond: S X=$S(X2"="":1,1:0)
X(1): RXTYPE (811.52,16) (Subscr 1) (forwards)

Subfile #811.53

Traditional Cross-References:

B REGULAR
Field: EDIT DATE (811.53,.01)
1)= S ^PXRMD(811.5,DA(1),110,"B","E(X,1,30),DA)="
2) = K ^PXRMD(811.5, DA(1), 110, "B", $E(X, 1, 30), DA)

Subfile #811.54

Traditional Cross-References:

B REGULAR

Field: STATUS (811.54, .01)

1) = S

2) = K ^PXRMD(811.5, DA(2), 20, DA(1), 5, "B", $E(X, 1, 30), DA) = ""

5.4.22 REMINDER SPONSOR

File #811.6

New-Style Indexes:

B (#453) FIELD REGULAR IR LOOKUP & SORTING

Unique for: Key A (#36), File #811.6

Short Descr: This is a new style B cross-reference

Description:

Set Logic: S ^PXRMD(811.6, "B", $E(X, 1, 64), DA) = ""

Kill Logic: K ^PXRMD(811.6, "B", $E(X, 1, 64), DA)

Whole Kill: K ^PXRMD(811.6, "B")

X(1): NAME (811.6, .01) (Subscr 1) (Len 64) (forwards)

Subfile #811.61

Traditional Cross-References:

B REGULAR

Field: CONTACT (811.61, .01)

2) = K ^PXRMD(811.6, DA(1), 1, "B", $E(X, 1, 30), DA)

Subfile #811.62

Traditional Cross-References:

B REGULAR

Field: ASSOCIATED SPONSORS (811.62, .01)

1) = S ^PXRMD(811.6, DA(1), 2, "B", $E(X, 1, 30), DA) = ""

2) = K ^PXRMD(811.6, DA(1), 2, "B", $E(X, 1, 30), DA)

New-Style Indexes:

C (#454) FIELD REGULAR IR LOOKUP & SORTING WHOLE FILE (#811.6)

Short Descr: Determine if a sponsor is used as an associate sponsor.

Description: This cross-reference is used to determine if a sponsor is being used as an associated sponsor.

Set Logic: S ^PXRMD(811.6, "C", X, DA(1), DA) = ""

Kill Logic: K ^PXRMD(811.6, "C", X, DA(1), DA)

Whole Kill: K ^PXRMD(811.6, "C")

X(1): ASSOCIATED SPONSORS (811.62, .01) (Subscr 1)

(forwards)

1) = S ^PXRMD(811.6, DA(1), 1, "B", $E(X, 1, 30), DA) = ""

Subfile #811.63
Traditional Cross-References:
B    REGULAR
Field:  EDIT DATE  (811.63,.01)
1)= S ^PXRMD(811.6,DA(1),110,"B",$E(X,1,30),DA)=""
2)= K ^PXRMD(811.6,DA(1),110,"B",$E(X,1,30),DA)

5.4.23 REMINDER CATEGORY

File #811.7

Traditional Cross-References:
ACP    MUMPS
Field:  NAME  (811.7,.01)
Description:  If a category is deleted this cross reference deletes
pointers to that category from other reminder
categories.

The 'AC' index (^PXRMD(811.7,Sub-Category,Category,DA))
is
used to determine which categories point to the deleted
category
from the sub-category multiple of these categories.
1)= D SETAC^PXRMCLST
2)= D KILLAC^PXRMCLST

New-Style Indexes:
B (#426)    FIELD    REGULAR    IR    LOOKUP & SORTING
Unique for:  Key A (#33), File #811.7
Short Descr:  New style B cross-reference
Set Logic:  S ^PXRMD(811.7,"B",$E(X,1,35),DA)=""
Kill Logic:  K ^PXRMD(811.7,"B",$E(X,1,35),DA)
Whole Kill:  K ^PXRMD(811.7,"B")
X(1):  NAME  (811.7,.01)  (Subscr 1)  (Len 35)  (forwards)

Subfile #811.701

Traditional Cross-References:
AC    REGULAR    WHOLE FILE (#811.7)
Field:  SUB-CATEGORY  (811.701,.01)
Description:  This cross reference holds the Parent categories for
each
category.

The ACP cross reference on the name field deletes this
cross reference.
1)= S ^PXRMD(811.7,"AC",$E(X,1,30),DA(1),DA)=""
2)= K ^PXRMD(811.7,"AC",$E(X,1,30),DA(1),DA)

B    REGULAR
Field:  SUB-CATEGORY  (811.701,.01)
1)= S ^PXRMD(811.7,DA(1),10,"B",$E(X,1,30),DA)=""
2)= K ^PXRMD(811.7,DA(1),10,"B",$E(X,1,30),DA)

Subfile #811.72
Traditional Cross-References:
5.4.24 REMINDER EXCHANGE

File #811.8

New-Style Indexes:

B (#446) RECORD REGULAR IR LOOKUP & SORTING
Unique for: Key A (#43), File #811.8
Short Descr: Uniqueness Index for Key 'A' of File #811.8
Set Logic: S ^PXD(811.8,"B",X(1),X(2),DA)=""
Kill Logic: K ^PXD(811.8,"B")
Whole Kill: K ^PXD(811.8,"B")
X(1): NAME (811.8,.01) (Subscr 1)
X(2): DATE PACKED (811.8,.03) (Subscr 2)

D (#447) FIELD REGULAR IR LOOKUP & SORTING
Short Descr: Cross-reference on date and time
Set Logic: S ^PXD(811.8,"D",X,DA)=""
Kill Logic: K ^PXD(811.8,"D",X,DA)
Whole Kill: K ^PXD(811.8,"D")
X(1): DATE PACKED (811.8,.03) (Subscr 1) (forwards)

Subfile #811.803

New-Style Indexes:

B (#448) FIELD REGULAR IR LOOKUP & SORTING
Short Descr: New style B cross-reference
Set Logic: S ^PXD(811.8,DA(1),130,"B",X,DA)=""
Kill Logic: K ^PXD(811.8,DA(1),130,"B")
Whole Kill: K ^PXD(811.8,DA(1),130,"B")
X(1): INSTALLATION DATE AND TIME (811.803,.01) (Subscr 1)
(forwards)

Subfile #811.8031

Traditional Cross-References:

B REGULAR
Field: INDEX (811.8031,.01)
1) = S ^PXD(811.8,DA(2),130,DA(1),1,"B",$E(X,1,30),DA)=""
2) = K ^PXD(811.8,DA(2),130,DA(1),1,"B",$E(X,1,30),DA)

Subfile #811.80315

Traditional Cross-References:

B REGULAR
Field: ADDITIONAL DETAILS (811.80315,.01)
1) = S ^PXD(811.8,DA(3),130,DA(2),1,DA(1),1,"B",$E(X,1,30),DA)=""
2) = K ^PXD(811.8,DA(3),130,DA(2),1,DA(1),1,"B",$E(X,1,30),DA)
5.4.25 REMINDER DEFINITION

File #811.9

Traditional Cross-References:

AD MUMPS
Field: NAME (811.9,.01)
1) = Q
2) = D DELEXTL^PXRMBXTL(DA)

AG REGULAR
Field: LINKED REMINDER DIALOG (811.9,51)
1) = S ^PXD(811.9,"AG"$,E(X,1,30),DA)="
2) = K ^PXD(811.9,"AG"$,E(X,1,30),DA)

TRIGGER
Field: inactive flag (811.9,1.6)
triggered field: inactive change date (811.9,1.7)
1) = k div s div=x,d0=da,div(0)=d0 s
y(1)=$s($d(pxd(811.9,d
0,0)):^(0),1:""), s x=$p(y(1),u,7),x=x s diu=x k y x
^dd(811
.9,1.6,1,1,1.1) x ^dd(811.9,1.6,1,1,1.4)
1.1)= s x=div s
%=Sp(sh","",2),x=dt_($\%60$60/100+($\%3600)+($\%60$6000)/100)
1.4)= s dih=$s($d(pxd(811.9,div(0),0)):^(0),1:""),div=x

^dicr:$o(^dd(dih,dig,1,0))>0

2)= k div s div=x,d0=da,div(0)=d0 s
y(1)=$s($d(pxd(811.9,d
0,0)):^(0),1:""), s x=$p(y(1),u,7),x=x s diu=x k y x
^dd(811
.9,1.6,1,2.1) x ^dd(811.9,1.6,1,2.4)
2.1)= s x=div s
%=Sp(sh","",2),x=dt_($\%60$60/100+($\%3600)+($\%60$6000)/100)
2.4)= s dih=$s($d(pxd(811.9,div(0),0)):^(0),1:""),div=x

s
^dicr:$o(^dd(dih,dig,1,0))>0

create value)= now
delete value)= now
field)= inactive date

New-Style Indexes:

ACD (#449) FIELD MUMPS IR ACTION
Short Descr: Expand the Custom Date Due Field
Set Logic: D CDBUILD^PXRMCDUE(X,DA)
Kill Logic: D CDKILL^PXRMCDUE(X,DA)
X(1): CUSTOM DATE DUE (811.9,45) (Subscr 1) (forwards)

ADEL (#450) FIELD MUMPS IR ACTION
Short Descr: Set PXRMDEFD=1 when the entire definition is being deleted.
Description: PXRMDEFD is set to 1 when the entire definition is being deleted. This provides a flag that can be used to control various actions, such as execution of cross-references, on fields in the definition file.

Set Logic: Q
Kill Logic: I X2="" S PXRMDEFD=1
X(1): NAME (811.9,.01) (Subscr 1) (forwards)

AE (#451) FIELD MUMPS I ACTION
Short Descr: Build the internal patient cohort logic
Description: This cross-reference builds the internal patient cohort logic.

Set Logic: D CPPCLS^PXRMLOGX(DA,X),BLDINFL^PXRMLOGX(DA,"",""")
Set Cond: S X=1 I X2="" S X=0
Kill Logic: D BLPCLS^PXRMLOGX(DA,"",""),BLDINFL^PXRMLOGX(DA,"",""")
Kill Cond: S X=1 I $$EDITNXR^PXRMLOGX(.X1,.X2) S X=0
X(1): CUSTOMIZED COHORT LOGIC (811.9,30) (forwards)

AF (#452) FIELD MUMPS I ACTION
Short Descr: Cross-reference for building internal resolution logic
Description: This cross-reference builds the internal resolution logic.

Set Logic: D CPRESLS^PXRMLOGX(DA,X),BLDINFL^PXRMLOGX(DA,"",""")
Set Cond: S X=1 I X2="" S X=0
Kill Logic: D BLDRESLS^PXRMLOGX(DA,"",""),BLDINFL^PXRMLOGX(DA,"",""")
Kill Cond: S X=1 I $$EDITNXR^PXRMLOGX(.X1,.X2) S X=0
X(1): CUSTOMIZED RESOLUTION LOGIC (811.9,34) (forwards)

AP (#455) FIELD MUMPS IR SORTING ONLY
Short Descr: Will set a rem. to the "P" x-ref if the usage field contains a "P"
Description: This cross-reference will set a reminder to the "P" cross-reference if the reminders contains a "P" in the usage field.

Set Logic: S ^PXD(811.9,"P",DA)=""
Set Cond: S X=$S(X["P":1,1:0])
Kill Logic: K ^PXD(811.9,"P",DA)
Whole Kill: K ^PXD(811.9,"P")
X(1): USAGE (811.9,103) (Subscr 1) (Len 30) (forwards)

B (#456) FIELD REGULAR IR LOOKUP & SORTING
Unique for: Key B (#44), File #811.9
Short Descr: B cross-reference
Description: This is the "B" cross-reference redone as a new style cross-reference.

Set Logic: S ^PXD(811.9,"B",$E(X,1,64),DA)=""
Kill Logic: K ^PXD(811.9,"B",$E(X,1,64),DA)
Whole Kill: K ^PXD(811.9,"B")
X(1): NAME (811.9,.01) (Subscr 1) (Len 64) (forwards)

D (#469) FIELD REGULAR IR LOOKUP & SORTING
Short Descr: Look up by Print Name
Description: This cross-reference is used for look-up by the reminder's Print Name.
Set Logic:  \( S \^\text{PXDM}(811.9,"D","E(X,1,35),DA)="" \)
Kill Logic:  \( K \^\text{PXDM}(811.9,"D","E(X,1,35),DA) \)
Whole Kill:  \( K \^\text{PXDM}(811.9,"D") \)
\( X(1): \) PRINT NAME (811.9,1.2) (Subscr 1) (Len 35)
(forwards)

Subfile #811.9001

Traditional Cross-References:

B  REGULAR
Field:  EDIT DATE (811.9001,.01)
1) = \( S \^\text{PXDM}(811.9,DA(1),110,"B","E(X,1,30),DA)="" \)
2) = \( K \^\text{PXDM}(811.9,DA(1),110,"B","E(X,1,30),DA) \)

Subfile #811.9002

Traditional Cross-References:

C  REGULAR
Field:  URL (811.9002,.01)
1) = \( S \^\text{PXDM}(811.9,DA(1),50,"C","E(X,1,30),DA)="" \)
2) = \( K \^\text{PXDM}(811.9,DA(1),50,"C","E(X,1,30),DA) \)

New-Style Indexes:

B (#470)  FIELD  REGULAR  IR  LOOKUP & SORTING
Short Descr:  New style B cross-reference
Set Logic:  \( S \^\text{PXDM}(811.9,DA(1),50,"B","E(X,1,128),DA)="" \)
Kill Logic:  \( K \^\text{PXDM}(811.9,DA(1),50,"B","E(X,1,128),DA) \)
Whole Kill:  \( K \^\text{PXDM}(811.9,DA(1),50,"B") \)
\( X(1): \) URL (811.9002,.01) (Subscr 1) (Len 128) (forwards)

Subfile #811.902

Traditional Cross-References:

B  REGULAR
Field:  FINDING ITEM (811.902,.01)
1) = \( S \^\text{PXDM}(811.9,DA(1),20,"B","E(X,1,30),DA)="" \)
2) = \( K \^\text{PXDM}(811.9,DA(1),20,"B","E(X,1,30),DA) \)
3) = Required Index for Variable Pointer

New-Style Indexes:

ACASE (#471)  FIELD  MUMPS  IR  ACTION
Short Descr:  Reset internal condition whenever case sensitive field changes.
Set Logic:  D CASESENC\text{PXRMCOND}(X,.DA,811.9)
Kill Logic:  D CASESENC\text{PXRMCOND}(X,.DA,811.9)
\( X(1): \) CONDITION CASE SENSITIVE (811.902,15) (Subscr 1) (forwards)

ACOND (#472)  FIELD  MUMPS  IR  ACTION
Short Descr:  Build the internal condition structure
Set Logic:  D SICOND\text{PXRMCOND}(.X,.DA,811.9)
Kill Logic:  D KICOND\text{PXRMCOND}(.X,.DA,811.9)
\( X(1): \) CONDITION (811.902,14) (Subscr 1) (Len 30) (forwards)

ADATE (#473)  RECORD  MUMPS  IR  ACTION
Short Descr:  Give a warning if the ending date is before the beginning
**Clinical Reminders (PXRM) Version 2.0**

**Technical Manual Files**

**September 2014**

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**date**

Set Logic: D COMPARE^PXRMDATE(.X)

Kill Logic: Q

X(1): BEGINNING DATE/TIME (811.902,9) (forwards)

X(2): ENDING DATE/TIME (811.902,12) (forwards)

---

**AE (#474) RECORD MUMPS IR ACTION**

Short Descr: Build all logic strings

Set Logic: D BLDALL^PXRMLOGX(DA(1),",",20)

Kill Logic: D BLDALL^PXRMLOGX(DA(1),DA,20)

Kill Cond: S X=1 I $$EDITNXR^PXRMLOGX(.X1,.X2) S X=0

X(1): FINDING ITEM (811.902,.01) (Subscr 1) (forwards)

---

**AENODE (#477) FIELD MUMPS IR ACTION**

Short Descr: Set the ENODE.

Description: This cross-reference is used to group findings by type.

The index it creates has the form:

```
^PXD(811.9,DA(1),20,"E",GLOBAL,IEN,DA)
```

where

- DA(1) is the internal entry number in file # 811.9.
- GLOBAL is the global name of the global that defines the finding.

For example, the global name for file #811.9 is ^PXD(811.9,).

IEN is the internal entry number of the finding in GLOBAL.

DA is the finding number.

Some examples:

```
^PXD(811.9,661,20,"E","PSDRUG("",6344,2)=
^PXD(811.9,662,20,"E","AUTTEDT("",363,3)=
^PXD(811.9,669,20,"E","PXRM(811.5,"",660014,5)=
```

Set Logic: D SENODE^PXRMENOD(.X,DA,811.9)

Kill Logic: D KENODE^PXRMENOD(.X,DA,811.9)

X(1): FINDING ITEM (811.902,.01) (Subscr 1) (forwards)

---

**AF (#478) RECORD MUMPS I ACTION**

Short Descr: Check for rebuild of age findings list

Description: When MINIMUM AGE, MAXIMUM AGE, or REMINDER FREQUENCY are changed then rebuild the age findings list.

Set Logic: D BLDAFL^PXRMLOGX(DA(1),",",20)

Set Cond: S X=1 I $$DELNXR^PXRMLOGX(.X2) S X=0

Kill Logic: D BLDAFL^PXRMLOGX(DA(1),DA,20)

Kill Cond: S X=1 I $$EDITNXR^PXRMLOGX(.X1,.X2) S X=0

X(1): MINIMUM AGE (811.902,1) (forwards)

X(2): MAXIMUM AGE (811.902,2) (forwards)

X(3): REMINDER FREQUENCY (811.902,3) (forwards)

---

**AG (#479) RECORD MUMPS I ACTION**

Short Descr: Check for rebuild of resolution findings list

Description: When USE IN RESOLUTION LOGIC is changed then rebuild the resolution findings list.

Set Logic: D BLDRESLS^PXRMLOGX(DA(1),",",20)

Set Cond: S X=1 I X2="" S X=0

Kill Logic: D BLDRESLS^PXRMLOGX(DA(1),DA,20)

Kill Cond: S X=1 I $$EDITNXR^PXRMLOGX(.X1,.X2) S X=0
X(1): USE IN RESOLUTION LOGIC (811.902,7) (forwards)

AH (#480) RECORD MUMPS I ACTION
Short Descr: Check for rebuild of patient cohort findings list
Description: Whenever USE IN PATIENT COHORT LOGIC is changed rebuild the patient cohort logic list.
Set Logic: D BLDPCLS^PXRMLOGX(DA(1),"",20)
Set Cond: S X=1 I X2="" S X=0
Kill Logic: D BLDPCLS^PXRMLOGX(DA(1),DA,20)
Kill Cond: S X=1 I $$EDITNXR^PXRMLOGX(.X1,.X2) S X=0
X(1): USE IN PATIENT COHORT LOGIC (811.902,8) (forwards)

AI (#481) RECORD MUMPS I ACTION
Short Descr: Check for rebuild of information findings list
Description: Whenever any of the following fields change rebuild the information findings list: MINIMUM AGE, MAXIMUM AGE, REMINDER FREQUENCY, USE IN RESOLUTION LOGIC, USE IN PATIENT COHORT LOGIC.
Set Logic: D BLDINFL^PXRMLOGX(DA(1),"",20)
Set Cond: S X=1 I $$DELNXR^PXRMLOGX(.X2) S X=0
Kill Logic: D BLDINFL^PXRMLOGX(DA(1),DA,20)
Kill Cond: S X=1 I $$EDITNXR^PXRMLOGX(.X1,.X2) S X=0
X(1): MINIMUM AGE (811.902,1) (forwards)
X(2): MAXIMUM AGE (811.902,2) (forwards)
X(3): REMINDER FREQUENCY (811.902,3) (forwards)
X(4): USE IN RESOLUTION LOGIC (811.902,7) (forwards)
X(5): USE IN PATIENT COHORT LOGIC (811.902,8) (forwards)

AWARNSL (#482) FIELD MUMPS IR ACTION
Short Descr: Warn the user to review the status list if RXTYPE field is changed.
Set Logic: D WARN^PXRMSTA1
Set Cond: S X=$S(X2"":1,1:0)
Kill Logic: D WARN^PXRMSTA1
Kill Cond: S X=$S(X2"":1,1:0)
X(1): RXTYPE (811.902,16) (Subscr 1) (forwards)

Subfile #811.90221

Traditional Cross-References:
B REGULAR
Field: STATUS (811.90221,.01)
1)= S ^PXD(811.9,DA(2),20,DA(1),5,"B",$E(X,1,30),DA)="
2)= K ^PXD(811.9,DA(2),20,DA(1),5,"B",$E(X,1,30),DA)

Subfile #811.925

Traditional Cross-References:
B REGULAR
Field: FUNCTION FINDING NUMBER (811.925,.01)
1)= S ^PXD(811.9,DA(1),25,"B",$E(X,1,30),DA)="
2)= K ^PXD(811.9,DA(1),25,"B",$E(X,1,30),DA)

New-Style Indexes:
AB (#483) FIELD MUMPS IR ACTION
Short Descr: Build the function finding data structure.
Set Logic: D FFBUILD^PXRMFFDB(X,.DA)
Kill Logic: D FFKILL^PXRMFFDB(X,.DA)
X(1): FUNCTION STRING (811.925,3) (Subscr 1) (forwards)

AE (#484) FIELD MUMPS IR ACTION
Short Descr: Build all logic strings.
Set Logic: D BLDALL^PXRMLOGX(DA(1),"",25)
Kill Logic: D BLDALL^PXRMLOGX(DA(1),DA,25)
Kill Cond: S X=1 I $$EDITNXR^PXRMLOGX(.X1,.X2) S X=0
X(1): FUNCTION FINDING NUMBER (811.925,.01) (Subscr 1) (forwards)

AF (#485) RECORD MUMPS IR ACTION
Short Descr: Check for rebuild of age findings list
Set Logic: D BLDAFL^PXRMLOGX(DA(1),"",25)
Set Cond: S X=1 I $$DELNXR^PXRMLOGX(.X2) S X=0
Kill Logic: D BLDAFL^PXRMLOGX(DA(1),DA,25)
Kill Cond: S X=1 I $$EDITNXR^PXRMLOGX(.X1,.X2) S X=0
X(1): MINIMUM AGE (811.925,13) (Subscr 1) (forwards)
X(2): MAXIMUM AGE (811.925,14) (Subscr 2) (forwards)
X(3): REMINDER FREQUENCY (811.925,15) (Subscr 3) (forwards)

AG (#486) FIELD MUMPS IR ACTION
Short Descr: Check for rebuild of resolution findings list
Set Logic: D BLDRESLS^PXRMLOGX(DA(1),"",25)
Set Cond: S X=1 I X2="" S X=0
Kill Logic: D BLDRESLS^PXRMLOGX(DA(1),DA,25)
Kill Cond: S X=1 I $$EDITNXR^PXRMLOGX(.X1,.X2) S X=0
X(1): USE IN RESOLUTION LOGIC (811.925,11) (Subscr 1) (forwards)

AH (#487) FIELD MUMPS IR ACTION
Short Descr: Check for rebuilds of patient cohort findings list
Description: Whenever USE IN PATIENT COHORT LOGIC is changed rebuild the
patient cohort logic list.
Set Logic: D BLDPCLS^PXRMLOGX(DA(1),"",25)
Set Cond: S X=1 I X2="" S X=0
Kill Logic: D BLDPCLS^PXRMLOGX(DA(1),DA,25)
Kill Cond: S X=1 I $$EDITNXR^PXRMLOGX(.X1,.X2) S X=0
X(1): USE IN PATIENT COHORT LOGIC (811.925,12) (Subscr 1) (forwards)

AI (#488) RECORD MUMPS IR ACTION
Short Descr: Check for rebuild of information findings list.
Description: Whenever any of the following fields change rebuild the
information findings list: MINIMUM AGE, MAXIMUM AGE,
REMINDER FREQUENCY, USE IN RESOLUTION LOGIC, USE IN

PATIENT

COHORT LOGIC.
Set Logic: D BLDINFL^PXRMLOGX(DA(1),"",25)
Set Cond: S X=1 I $$DELNXR^PXRMLOGX(.X2) S X=0
Kill Logic: D BLDINFL^PXRMLOGX(DA(1),DA,25)
Kill Cond: S X=1 I $$EDITNXR^PXRMLOGX(.X1,.X2) S X=0
X(1): MINIMUM AGE (811.925,13) (forwards)
X(2): MAXIMUM AGE (811.925,14) (forwards)
X(3): REMINDER FREQUENCY (811.925,15) (forwards)
X(4): USE IN RESOLUTION LOGIC (811.925,11) (forwards)
X(5): USE IN PATIENT COHORT LOGIC (811.925,12) (forwards)
Subfile #811.948

Traditional Cross-References:

B REGULAR
Field: FINDING (811.948,.01)
1) S ^PXD(811.9,DA(1),47,"B",$E(X,1,30),DA)=""
2) K ^PXD(811.9,DA(1),47,"B",$E(X,1,30),DA)

Subfile #811.97

Kill Logic: D BLDINF^PXRMLOGX(DA(1),DA,25)
Kill Cond: S X=1 I $$EDITNXR^PXRMLOGX(.X1,.X2) S X=0
X(1): MINIMUM AGE (811.925,13) (forwards)
X(2): MAXIMUM AGE (811.925,14) (forwards)
X(3): REMINDER FREQUENCY (811.925,15) (forwards)
X(4): USE IN RESOLUTION LOGIC (811.925,11) (forwards)
X(5): USE IN PATIENT COHORT LOGIC (811.925,12) (forwards)

Subfile #811.948

Traditional Cross-References:

B REGULAR
Field: FINDING (811.948,.01)
1) S ^PXD(811.9,DA(1),47,"B",$E(X,1,30),DA)=""
2) K ^PXD(811.9,DA(1),47,"B",$E(X,1,30),DA)

Subfile #811.97

Traditional Cross-References:

B REGULAR
Field: REMINDER FREQUENCY (811.97,.01)
1) S ^PXD(811.9,DA(1),7,"B",$E(X,1,30),DA)=""
2) K ^PXD(811.9,DA(1),7,"B",$E(X,1,30),DA)
6.0 Internal Relations

All routines, files, options, and keys are namespaced starting with the letters PXRM. All files in the 801. – 811.9 must be present for the software to run correctly.

All options are independently invokable.
7.0 External Relations

7.1 Remote Procedure

An RPC is a procedure called from the client (the user’s workstation) communicating to the server (the M database). Clinical Reminders contains Reminder Dialogs that are used within CPRS, from the Notes tab, thus requiring RPCs to facilitate this communication.

The Database Administrator (DBA) maintains a list of RPCs.

PXRM EDUCATION SUBTOPICS
PXRM EDUCATION SUMMARY
PXRM EDUCATION TOPIC
PXRM MENTAL HEALTH
PXRM MENTAL HEALTH RESULTS
PXRM MENTAL HEALTH SAVE
PXRM PROGRESS NOTE HEADER
PXRM REMINDER CATEGORIES
PXRM REMINDER CATEGORY
PXRM REMINDER DETAIL
PXRM REMINDER DIALOG
PXRM REMINDER DIALOG (TIU)
PXRM REMINDER DIALOG PROMPTS
PXRM REMINDER EVALUATION
PXRM REMINDER INQUIRY
1PXRM REMINDER RPC
PXRM REMINDER WEB
PXRM REMINDERS (UNEVALUATED)
PXRM REMINDERS AND CATEGORIES

Complete integration agreements are under the DBA menu on Forum.

7.2 Database Integration Agreements

Non-destructive, read-only component routines have been written to present VISTA ancillary package data.

The package interacts with, and extracts data from many other VISTA software packages. Permission to use data from the other packages is obtained by completing a written integration agreement with each of the other packages.

The Database Administrator (DBA) maintains a list of Integration Agreements (IAs) or mutual agreements between software developers allowing the use of internal entry points or other software-specific features that are not available to the general
To obtain the current list of IAs, to which Clinical Reminders is a custodian, do the following:

<table>
<thead>
<tr>
<th>Select Integration Agreements Menu Option: 8 &lt;Enter&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Custodial Package Menu</td>
</tr>
<tr>
<td>1 ACTIVE by Custodial Package</td>
</tr>
<tr>
<td>2 Print ALL by Custodial Package</td>
</tr>
<tr>
<td>3 Supported References Print All</td>
</tr>
<tr>
<td>Select Custodial Package Menu Option: 1 &lt;Enter&gt; ACTIVE by Custodial Package</td>
</tr>
</tbody>
</table>
8.0 Security Keys

There are no security keys with the Clinical Reminders application.
9.0 Archiving and Purging

Purging and archiving capabilities are not currently available in Clinical Reminders.

Clinical indexes can be deleted and rebuilt if there is data corruption although users will be unable to access clinical reminders while the rebuild is occurring.
10.0 Generating Online Documentation

This section describes a few methods to enable users to generate Generic Retrieval Utility technical documentation. Online Generic Retrieval Utility software technical documentation, in addition to that which is located in the Help prompts throughout the Generic Retrieval Utility package, can be generated through the use of several Kernel options. These include, but are not limited to, the following:

- %INDEX
- VA FileMan
- Data Dictionary Utilities
- List File Attributes

For further information about other utilities that supply online technical information, consult the DHCP Kernel Reference manual.

10.1 %INDEX

This option analyzes the structure of a routine to determine in part if the routine adheres to RPMS programming standards. The %INDEX output can include the following components:

- Compiled list of errors and warnings
- Routine listing
- Local variables
- Global variables
- Naked globals
- Label references
- External references

Running %INDEX for a specified set of routines allows users to discover any deviations from RPMS programming standards that exist in the selected routines and to see how routines interact with one another (for example, which routines call or are called by other routines).

To run %INDEX for this package, type the CIAZG namespace at the Routine’s ?> prompt.

10.2 List File Attributes

This VA FileMan option allows users to generate documentation pertaining to files and file structure. Using the standard format of this option yields the following data
dictionary information for a specified file:

- File name and description
- Identifiers
- Cross-references
- Files pointed to by the file specified
- Files that point to the file specified
- Input, print, and sort templates

In addition, the following applicable data is supplied for each field in the file:

- Field name, number, title, and description
- Global location
- Help prompt
- Cross-references
- Input transform
- Date last edited
- Notes

Using the Global Map format of this option generates an output that lists the following information:

- All cross-references for the file selected
- Global location of each field in the file
- Input, print, and sort templates
11.0  SAC Requirements and Exemptions

A request to change sections 2.3.1.10.1 and 2.3.1.10.2 of the SAC so that the requirement for variable name spacing is replaced by a requirement for proper variable scoping has been put before the SACC. Pending approval of that change Clinical Reminders would like to request an exemption from those two sections; instead adhering to using proper scoping.

The reasons why these two sections should be changed have already been given to the SACC, however for convenience we will reiterate some of them here:

Because of the way MUMPS makes the symbol table globally available the only way name spacing of variables offers true protection is if all variables are name spaced. Most programmers would agree that name spacing of all variables would be very cumbersome and laborious. These two sections provide a false sense of security, which in turn can lead to bad programming.

With the eight-character limit for variable names, the name spacing requirement can make it very difficult to give variables meaningful names. For example, if your package name space is four characters you only have four unique characters for variable names.

Lack of meaningful names makes programs harder to understand and subsequently harder to maintain.

Before the new command existed name spacing was a mechanism that helped eliminate some collision in variable names. With the advent of the new command proper variable scoping is easily accomplished and eliminates variable name collision.

Clinical Reminders has gone to great a deal of effort to write safe code that uses proper scoping and to choose meaningful variable names. Clinical Reminders is requesting this exemption so its code can retain these positive attributes.

The Standards and Conventions Committee (SACC) has reviewed these independently. The SACC has voted in favor of the team's request, and recommends approval of their request. The SACC will take immediate action to investigate further the possible need to adapt and/or update or expand our current standard definitions. We will work with the Foundations Team and SEPG to ensure that there are amendable standards that cover all software releases.

Frank Traxler, Programmer, the Standards and Conventions Committee (SACC) has reviewed these independently and discussed them openly on email with GUI SAC historians. The SACC has voted in favor of the Projects' requests, and recommends approval of their
request. The current M SAC must be updated to reflect verbiage that will assist the user in following the process to current utilities that are available. As is, M SAC states "5.4.6.3.1 - A CRC-32 number shall be displayed in the About box using the GetFileCRC32 method in the Xlffileinfo unit. An example of a CRC can be found in the CPRS About box (see 1.4.7 Sample About box)." The SACC has searched for this GetFileCRC32 method and Xlffileinfo unit and cannot find them anywhere as referenced specifically. These utilities are available from outside source and are being used within source code. The packages are not exempt from the process, just from the specific utility and file until the GUI SAC is rewritten. Definitions: GetFileCRC32 - Calculates a CRC32 value on a given filename. CRC is a "digital fingerprint" of a file, you can use CRC32 to calculate 32-bit checksums.

CRC is displayed in the GUI when you open CPRS and choose "Help About:"

Here's the actual code:

About.pas gets the CRC in the following call I've highlighted:

```pascal
procedure TfrmAbout.FormCreate(Sender: TObject); begin inherited;
lblCompanyName.Caption := 'Developed by the ' + FileVersionValue(Application.ExeName, FILE_VER_COMPANYNAME);
lblFileVersion.Caption := FileVersionValue(Application.ExeName, FILE_VER_FILEVERSION);
lblInternalName.Caption := FileVersionValue(Application.ExeName, FILE_VER_INTERNALNAME);
lblLegalCopyright.Text := FileVersionValue(Application.ExeName, FILE_VER_LEGALCOPYRIGHT);
lblOriginalFileName.Caption := FileVersionValue(Application.ExeName, FILE_VER_ORIGINALFILENAME);
lblProductName.Caption := FileVersionValue(Application.ExeName, FILE_VER_PRODUCTNAME);
lblComments.Caption := FileVersionValue(Application.ExeName, FILE_VER_COMMENTS); // version comment
lblCRC.Caption := 'CRC: ' + IntToHex(CRCForFile(Application.ExeName), 8); end;
```

ORFn contains that call:

```pascal
function CRCForFile(AFileName: string): DWORD; const
BUF_SIZE = 16383; type
TBuffer = array[0..BUF_SIZE] of Byte; var
AHandle, BytesRead: Integer; begin
Result := $FFFFFFFF; GetMem(Buffer, BUF_SIZE);
AHandle := FileOpen(AFileName, fmShareDenyWrite);
repeat
Result := UpdateCrc32(Result, TBuffer(Buffer^), BytesRead);
BytesRead := FileRead(AHandle, Buffer^, BUF_SIZE);
Result := UpdateCrc32(Result, TBuffer(Buffer^), BytesRead);
end;
```

80 until BytesRead <> BUF_SIZE; FileClose(AHandle); FreeMem(Buffer);
81 Result := not Result; end;
12.0 Callable Routines

Clinical Reminders is intended to be run inside the Electronic Health Record, so it is called through the RPCs listed above. There are some APIs listed below:

- **PUSAGE^PXRMAPI(IEN)** Return true if the reminder definition contains a "P" in the Usage field. This means it is ok for a patient to use the reminder. IEN is the internal entry number.
- **USAGE^PXRMAPI(IEN)** Return the Usage for a reminder definition. IEN is the internal entry number.
- **PLIST^PXRMAPI1(ORY)** Build a list of patient list entries.
- **. PLISTP^PXRMAPI1(ORY,IEN)** Build a list of patient list patients. IEN is the internal entry number of the list.
- **EPLIST^PXRMAPI1(ORY)** Build a list of extract parameter entries.
- **ETLIST^PXRMAPI1(ORY,IEN)** Build a list of extract summary totals. IEN is the internal entry number of the extract summary.
- **CATREM^PXRMAPI0(CIEN,ARRAY)** Store CATEGORY reminders in an array. CIEN is the IEN of the category.
- **OK^PXRMAPI0(DIEN)** TIU TEMPLATE REMINDER DIALOGS. DIEN is the IEN of the dialog. Validates the use of this dialog.
- **HL7^PXRMHL7(IEN,SEE,ID)** AllRequiredParameters
  - IEN= The Ien of the entry in file 810.3 (Extract File)
  - SEE= If you want to view the HL7 message, set to 1
  - ID= ID of the message.
- **STATUS^PXRMHL7(ID)** RETURNS THE STATUS OF THE MESSAGE; ID= MESSAGE ID WHICH IS THE IEN IN FILE #772
- **FACL^PXRXAP(LOC)IN** Get locations facility.
- **WARD^PXRMXAP(LOC,ARRAY)** Get list of patients if location is a ward.
- **ADM^PXRMXAP(LOC,ARRAY,BD,ED)** Get list of admissions to ward.
- **LCHL^PXRMXAP(INP,ARRAY)** Get list of all inpatient or outpatient locations.
- **LOCN^PXRMXAP(ARRAY)** Check for mixed inpatient/outpatient locations.
## Appendix A: Build File Print

### Package: Clinical Reminders 2.0

- **Type:** Single Package
- **Track Nationally:** Yes
- **Package:** Clinical Reminders
- **Description:** Clinical Reminders version 2.0.

#### Environment Check
- Environment: PXRMV2E
- No Pre-Init Routine: PRE^PXRMV2I
- Post-Init Routine: POST^PXRMV2I

#### Pre-Transport RTN:

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<th>Data</th>
<th>User</th>
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<td>Reminder Dialog</td>
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<td>Reminder GUI Process</td>
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<td>NO</td>
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<td>Reminder Finding Item Parameters</td>
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<td>Reminder Finding Type Parameters</td>
<td>YES</td>
<td>YES</td>
<td>OVER</td>
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### Data Screen:

- **801.5:** Reminder Dialog Patient Association
- **801.9:** Reminder Resolution Status
- **801.95:** Health Factor Resolution
- **802.4:** Reminder Function Finding

### Summary

- **810.1:** Reminder Report Template
- **810.2:** Reminder Extract Parameters
- **810.3:** Reminder Extract Summary
- **810.4:** Reminder List Rule
- **810.5:** Reminder Patient List
- **810.7:** Reminder Extract Finding Rule
- **810.8:** Reminder Finding Group
- **810.9:** Reminder Location List
811.2  REMINDER TAXONOMY  YES YES NO

811.3  EXPANDED TAXONOMIES  YES YES NO

811.4  REMINDER COMPUTED FINDINGS  YES YES YES REPL NO NO
DATA SCREEN: I $P(^PXRMD(811.4,Y,0),U,1)("VA-"

811.5  REMINDER TERM  YES YES NO

811.6  REMINDER SPONSOR  YES YES NO

811.7  REMINDER CATEGORY  YES YES NO

811.8  REMINDER EXCHANGE  YES YES YES OVER NO NO
DATA SCREEN: I $$EXFINC^PXRMV2IE(Y)

811.9  REMINDER DEFINITION  YES YES NO

PRINT TEMPLATE:
PXRM COMPUTED FINDING LIST FILE #811.4 SEND TO SITE
PXRM DEFINITION INQUIRY FILE #811.9 SEND TO SITE PXRM
PXRM DEFINITION LIST FILE #811.9 SEND TO SITE PXRM
DIALOG ELEMENT FILE #801.41 SEND TO SITE PXRM
DIALOG FORCED VALUE FILE #801.41 SEND TO SITE PXRM
DIALOG GROUP FILE #801.41 SEND TO SITE PXRM
DIALOG PROMPT FILE #801.41 SEND TO SITE PXRM
EXTRACT EPI FINDING HDR FILE #810.3 SEND TO SITE PXRM
EXTRACT EPI FINDING LIST FILE #810.3 SEND TO SITE PXRM
EXTRACT EPI FINDING TOT FILE #810.3 SEND TO SITE PXRM
EXTRACT FINDING FILE #810.7 SEND TO SITE PXRM
EXTRACT FINDING GROUP FILE #810.8 SEND TO SITE PXRM
EXTRACT PARAMETER FILE #810.2 SEND TO SITE PXRM
EXTRACT QUERY TOTALS FILE #810.3 SEND TO SITE PXRM
EXTRACT SUMMARY HDR FILE #810.3 SEND TO SITE PXRM
EXTRACT SUMMARY PRNT FILE #810.3 SEND TO SITE PXRM
FINDING ITEM PARAMETERS FILE #801.43 SEND TO SITE PXRM
FINDING RULE FILE #810.4 SEND TO SITE PXRM
FINDING TYPE PARAMETERS FILE #801.45 SEND TO SITE PXRM
HEALTH FACTOR RESOLUTIONS FILE #801.9 SEND TO SITE PXRM
LOCATION LIST INQUIRY FILE #810.9 SEND TO SITE PXRM
LOCATION LIST LIST FILE #810.9 SEND TO SITE PXRM
PATIENT LIST RULE FILE #810.4 SEND TO SITE PXRM
REMINDER CATEGORIES FILE #811.7 SEND TO SITE PXRM
REMINDER DIALOG FILE #801.41 SEND TO SITE PXRM
REMINDER DIALOG FILE #801.41 SEND TO SITE PXRM
RESOLUTIONS (GENERAL) FILE #801.9 SEND TO SITE PXRM
RESOLUTIONS (LOCAL) FILE #801.9 SEND TO SITE PXRM
RESOLUTIONS (NATIONAL) FILE #801.9 SEND TO SITE PXRM
RESULT ELEMENT FILE #801.41 SEND TO SITE PXRM
RESULT GROUP FILE #801.41 SEND TO SITE PXRM
RULE SET FILE #810.4 SEND TO SITE PXRM
SPONSOR INQUIRY FILE #811.6 SEND TO SITE PXRM
SPONSOR LIST FILE #811.6 SEND TO SITE PXRM
SUMMARY LIST FILE #811.9 SEND TO SITE PXRM
TAXONOMY DIALOG FILE #811.2 SEND TO SITE PXRM
TAXONOMY INQUIRY FILE #811.2 SEND TO SITE PXRM
TAXONOMY LIST FILE #811.2 SEND TO SITE PXRM
TAXONOMY LIST HEADER FILE #811.2 SEND TO SITE PXRM
TERM INQUIRY    FILE #811.5             SEND TO SITE PXRM
TERM LIST      FILE #811.5             SEND TO SITE

SORT TEMPLATE:
PXRM EPI LAB AND MED TERMS  FILE #811.5 SEND TO SITE
PXRM EXTRACT EPI BY FIND_PT  FILE #810.3 SEND TO SITE
PXRM HEP C EXTRACT TERMS    FILE #811.5 SEND TO SITE
PXRM HEP C HEALTH FACTORS   FILE #9999999.64 SEND TO SITE
PXRM NATIONAL TERM SPONSORS FILE #811.6 SEND TO SITE
PXRM NATIONAL TERMS         FILE #811.5 SEND TO SITE
PXRM REMINDERS LIST        FILE #811.9 SEND TO SITE

INPUT TEMPLATE:
PXRM EDIT ELEMENT        FILE #801.41 SEND TO SITE
PXRM EDIT FINDING RULE   FILE #810.4 SEND TO SITE
PXRM EDIT FORCED VALUE   FILE #801.41 SEND TO SITE
PXRM EDIT GROUP          FILE #801.41 SEND TO SITE
PXRM EDIT NATIONAL DIALOG FILE #801.41 SEND TO SITE
PXRM EDIT NATIONAL TERM  FILE #811.5 SEND TO SITE
PXRM EDIT PATIENT LIST RULE FILE #810.4 SEND TO SITE
PXRM EDIT PROMPT         FILE #801.41 DELETE AT SITE
PXRM EDIT REMINDER CF    FILE #811.4 SEND TO SITE
PXRM EDIT REMINDER DIALOG FILE #801.41 SEND TO SITE
PXRM EDIT REMINDER RULE  FILE #810.4 SEND TO SITE
PXRM EDIT REMINDER TERM  FILE #811.5 SEND TO SITE
PXRM EDIT REPORT OUTPUT RULE FILE #810.4 SEND TO SITE
PXRM EDIT RULE SET       FILE #810.4 SEND TO SITE
PXRM EXTRACT FINDING GROUP FILE #810.8 SEND TO SITE
PXRM EXTRACT FINDINGS    FILE #810.7 SEND TO SITE
PXRM EXTRACT PARAMETERS   FILE #810.2 SEND TO SITE
PXRM RESULT ELEMENT      FILE #801.41 SEND TO SITE
PXRM RESULT GROUP        FILE #801.41 SEND TO SITE

FORM:
PXRM DIALOG EDIT        FILE #801.41 SEND TO SITE

MAIL GROUP:
IHD SEND TO SITE
IHD SEND

ROUTINE:
PXRM SEND TO SITE
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OPTION:
 GMTS COORDINATOR ATTACH TO MENU
 IBDF PRINT BLANK ENCOUNTER FORM ATTACH TO MENU
 ORCM QUICK ORDERS ATTACH TO MENU
 PX PCE COORDINATOR MENU ATTACH TO MENU
 PXRM (IN)/ACTIVATE REMINDERS SEND TO SITE
 PXRM (IN)/ACTIVATE TAXONOMIES SEND TO SITE
 PXRM CATEGORY EDIT/INQUIRE SEND TO SITE
 PXRM CF MANAGEMENT SEND TO SITE
 PXRM COMPUTED FINDING EDIT SEND TO SITE
PXRM COMPUTED FINDING LIST SEND TO SITE
PXRM CPRS CONFIGURATION SEND TO SITE
PXRM CPRS COVER SHEET LIST SEND TO SITE
PXRM CPRS LOOKUP CATEGORIES SEND TO SITE
PXRM DEFAULT LOCATION SEND TO SITE
PXRM DEFINITION COPY SEND TO SITE
PXRM DEFINITION EDIT SEND TO SITE
PXRM DEFINITION INQUIRY SEND TO SITE
PXRM DEFINITION LIST SEND TO SITE
PXRM DIALOG EMPTY INQUIRY SEND TO SITE
PXRM DIALOG MANAGEMENT SEND TO SITE
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PXRM DIALOG TOOLS MENU SEND TO SITE
PXRM DIALOG/COMPONENT EDIT SEND TO SITE
PXRM EDIT SITE DISCLAIMER SEND TO SITE
PXRM EDIT WEB SITES SEND TO SITE
PXRM EXTRACT EPI FINDING LIST SEND TO SITE
PXRM EXTRACT EPI TOTALS SEND TO SITE
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PXRM EXTRACT VA-MH QUERI SEND TO SITE
PXRM FINDING ITEM PARAMETERS SEND TO SITE
PXRM FINDING TYPE PARAMETERS SEND TO SITE
PXRM GEC DEUG REPORTS SEND TO SITE
PXRM GEC REFERRAL REPORT SEND TO SITE
PXRM GEC STATUS CHECK SEND TO SITE
PXRM GUI REMINDERS ACTIVE SEND TO SITE
PXRM HEALTH FACTOR RESOLUTIONS SEND TO SITE
PXRM INDEX BUILD SEND TO SITE
PXRM INDEX COUNT SEND TO SITE
PXRM INDEX MANAGEMENT SEND TO SITE
PXRM INFO ONLY SEND TO SITE
PXRM LIST RULE MANAGEMENT SEND TO SITE
PXRM LOCATION LIST EDIT SEND TO SITE
PXRM LOCATION LIST INQUIRY SEND TO SITE
PXRM LOCATION LIST LIST SEND TO SITE
PXRM LOCATION LIST MANAGEMENT SEND TO SITE
PXRM MANAGERS MENU SEND TO SITE
PXRM MENTAL HEALTH ACTIVE SEND TO SITE
PXRM MST MANAGEMENT SEND TO SITE
PXRM MST REPORT SEND TO SITE
PXRM MST SYNCHRONIZATION SEND TO SITE
PXRM OTHER SUPPORTING MENUS SEND TO SITE
PXRM PARAMETER EDIT SEND TO SITE
PXRM PATIENT LIST MENU SEND TO SITE
PXRM PROGRESS NOTE HEADERS SEND TO SITE
PXRM REMINDER EDIT HISTORY SEND TO SITE
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PXRM REMINDER MANAGEMENT SEND TO SITE
PXRM REMINDER MENU SEND TO SITE
PXRM REMINDER PARAMETERS SEND TO SITE
PXRM REMINDER REPORTS SEND TO SITE
Clinical Reminders (PXRM) Version 2.0

Technical Manual Callable Routines
September 2014

73

Protocol:
- ICD Code Update Event
- ICPT Code Update Event
- PXRM Code Set Update CPT
- PXRM Code Set Update ICD
- PXRM Dialog Add Element
- PXRM Dialog Copy
- PXRM Dialog Copy Component
- PXRM Dialog Details
- PXRM Dialog Edit
- PXRM Dialog Edit Inquiry
- PXRM Dialog Exit
- PXRM Dialog Group Menu
- PXRM Dialog History
- PXRM Dialog Link
- PXRM Dialog Lock
- PXRM Dialog Menu
- PXRM Dialog Overview
- PXRM Dialog P/N Text
- PXRM Dialog Selection Item
- PXRM Dialog Selection Menu (DLG)
- PXRM Dialog Selection Menu (DLGE)
- PXRM Dialog Summary
- PXRM Dialog Text
- PXRM Dialog/Reminder Menu
- PXRM Edit Dialog Element
- PXRM EXCH Create File Entry
- PXRM EXCH Create Host File
- PXRM EXCH Create Mailman
- PXRM EXCH Definition Inquiry
- PXRM EXCH Delete File Entry
- PXRM EXCH Delete Installation History
- PXRM EXCH Dialog Details

SEND TO SITE
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PXRM EXCH DIALOG MENU SEND TO SITE
PXRM EXCH DIALOG SUMMARY SEND TO SITE
PXRM EXCH DIALOG TEXT SEND TO SITE
PXRM EXCH DIALOG USAGE SEND TO SITE
PXRM EXCH INSTALL ALL COMPONENTS SEND TO SITE
PXRM EXCH INSTALL DIALOG (ALL) SEND TO SITE
PXRM EXCH INSTALL DIALOG (SELECTED) SEND TO SITE
PXRM EXCH INSTALL FILE ENTRY SEND TO SITE
PXRM EXCH INSTALL MENU SEND TO SITE
PXRM EXCH INSTALL SELECTED COMPONENTS SEND TO SITE
PXRM EXCH INSTALLATION DETAILS SEND TO SITE
PXRM EXCH INSTALLATION HISTORY SEND TO SITE
PXRM EXCH INSTALLATION HISTORY MENU SEND TO SITE
PXRM EXCH INSTALLATION SUMMARY SEND TO SITE
PXRM EXCH LOAD HOST FILE SEND TO SITE
PXRM EXCH LOAD MAILMAN SEND TO SITE
PXRM EXCH MENU SEND TO SITE
PXRM EXCH QUIT SEND TO SITE
PXRM EXCH SELECT COMPONENT SEND TO SITE
PXRM EXCH SELECT DIALOG SEND TO SITE
PXRM EXCH SELECT ENTRY SEND TO SITE
PXRM EXCH SELECT HISTORY SEND TO SITE
PXRM EXTRACT AD HOC REPORT SEND TO SITE
PXRM EXTRACT FINDING CREATE SEND TO SITE
PXRM EXTRACT FINDING DISPLAY MENU SEND TO SITE
PXRM EXTRACT FINDING DISPLAY/EDIT SEND TO SITE
PXRM EXTRACT FINDING EDIT SEND TO SITE
PXRM EXTRACT FINDING EXIT SEND TO SITE
PXRM EXTRACT FINDING GROUP CREATE SEND TO SITE
PXRM EXTRACT FINDING GROUP DISPLAY MENU SEND TO SITE
PXRM EXTRACT FINDING GROUP DISPLAY/EDIT SEND TO SITE
PXRM EXTRACT FINDING GROUP EXIT SEND TO SITE
PXRM EXTRACT FINDING GROUP MENU SEND TO SITE
PXRM EXTRACT FINDING GROUP SELECT ENTRY SEND TO SITE
PXRM EXTRACT FINDING GROUPS SEND TO SITE
PXRM EXTRACT FINDING MENU SEND TO SITE
PXRM EXTRACT FINDING SELECT ENTRY SEND TO SITE
PXRM EXTRACT HISTORY CHANGE VIEW SEND TO SITE
PXRM EXTRACT HISTORY EXIT SEND TO SITE
PXRM EXTRACT HISTORY MENU SEND TO SITE
PXRM EXTRACT HISTORY SELECT ENTRY SEND TO SITE
PXRM EXTRACT HISTORY TRANSMISSIONS SEND TO SITE
PXRM EXTRACT MANAGEMENT EXIT SEND TO SITE
PXRM EXTRACT MANAGEMENT MENU SEND TO SITE
PXRM EXTRACT MANAGEMENT SELECT ENTRY SEND TO SITE
PXRM EXTRACT MANUAL EXTRACT SEND TO SITE
PXRM EXTRACT MANUAL TRANSMISSION SEND TO SITE
PXRM EXTRACT PARAMETER CREATE SEND TO SITE
PXRM EXTRACT PARAMETER DISPLAY MENU SEND TO SITE
PXRM EXTRACT PARAMETER DISPLAY/EDIT SEND TO SITE
PXRM EXTRACT PARAMETER EDIT SEND TO SITE
PXRM EXTRACT PARAMETER EXIT SEND TO SITE
PXRM EXTRACT PARAMETER MANAGEMENT SEND TO SITE
PXRM EXTRACT PARAMETER MENU SEND TO SITE
PXRM EXTRACT PARAMETER SELECT ENTRY SEND TO SITE
PXRM EXTRACT PATIENT LIST SEND TO SITE
PXRM EXTRACT SUMMARY SEND TO SITE
PXRM EXTRACT SUMMARY EXIT SEND TO SITE
<table>
<thead>
<tr>
<th>Command</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>PXRM EXTRACT SUMMARY FINDING TOTALS</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM EXTRACT SUMMARY MENU</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM EXTRACT SUMMARY SELECT ENTRY</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM EXTRACT VIEW/SCHEDULE</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM FINDING GENERAL MENU</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM FINDING SELECTION MENU</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM GENERAL EDIT</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM GENERAL EXIT</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM GENERAL INQUIRY</td>
<td>SEND TO SITE</td>
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<tr>
<td>PXRM GENERAL MENU</td>
<td>SEND TO SITE</td>
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<tr>
<td>PXRM LIST REMINDERS</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM LIST RULE CHANGE VIEW</td>
<td>SEND TO SITE</td>
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<tr>
<td>PXRM LIST RULE CREATE</td>
<td>SEND TO SITE</td>
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<tr>
<td>PXRM LIST RULE DISPLAY MENU</td>
<td>SEND TO SITE</td>
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<td>PXRM LIST RULE DISPLAY/EDIT</td>
<td>SEND TO SITE</td>
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<td>PXRM LIST RULE EDIT</td>
<td>SEND TO SITE</td>
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<tr>
<td>PXRM LIST RULE EXIT</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM LIST RULE MANAGEMENT SELECT ENTRY</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM LIST RULE MENU</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT DATA CHANGE</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST ADD USER</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST AUTH DELETE</td>
<td>SEND TO SITE</td>
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<tr>
<td>PXRM PATIENT LIST AUTH MENU</td>
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<tr>
<td>PXRM PATIENT LIST AUTH USER</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST AUTH USER SELECT</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST CHANGE VIEW</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST COPY</td>
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</tr>
<tr>
<td>PXRM PATIENT LIST COPY</td>
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</tr>
<tr>
<td>PXRM PATIENT LIST DEMOGRAPHIC</td>
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</tr>
<tr>
<td>PXRM PATIENT LIST DISPLAY</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST EXIT</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST HEALTH SUMMARY (ALL)</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST HEALTH SUMMARY (INDIVIDUAL)</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST MAIN MENU</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST MENU</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST OE/RR</td>
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</tr>
<tr>
<td>PXRM PATIENT LIST PATIENT SELECT</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST PATIENTS MENU</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST PUBLIC</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST RULES</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST SELECT ENTRY</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST USER</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST USER COPY</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST USER CREATE</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM PATIENT LIST USER SELECT ENTRY</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM REMINDER DETAILS</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM SELECT RESOLUTION</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM SELECTION ADD</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM SELECTION EXIT</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM SELECTION ITEM</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM SELECTION MENU</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM SELECTION PRINT ALL</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM SELECTION VIEW (AR)</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM SELECTION VIEW (CV)</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM SELECTION VIEW (LR)</td>
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</tr>
<tr>
<td>PXRM SELECTION VIEW TOGGLE</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM7 RECO SERVER</td>
<td>SEND TO SITE</td>
</tr>
<tr>
<td>PXRM7 RECO SUBSCRIBER</td>
<td>SEND TO SITE</td>
</tr>
</tbody>
</table>

**LIST TEMPLATE:**
PXRM DIALOG HISTORY
SEND TO SITE
PXRM DIALOG LIST
SEND TO SITE
PXRM DIALOG MAIN HELP
SEND TO SITE
PXRM EX DEFINITION INQUIRY
SEND TO SITE
PXRM EX DIALOG HELP
SEND TO SITE
PXRM EX INSTALLATION DETAIL
SEND TO SITE
PXRM EX INSTALLATION HISTORY
SEND TO SITE
PXRM EX LIST COMPONENTS
SEND TO SITE
PXRM EX LIST DIALOG
SEND TO SITE
PXRM EX MAIN HELP
SEND TO SITE
PXRM EX REMINDER EXCHANGE
SEND TO SITE
PXRM EX REMINDER LIST
SEND TO SITE
PXRM EXTRACT FINDING EDIT
SEND TO SITE
PXRM EXTRACT FINDING GROUPS
SEND TO SITE
PXRM EXTRACT FINDING GRP EDIT
SEND TO SITE
PXRM EXTRACT FINDINGS
SEND TO SITE
PXRM EXTRACT HELP
SEND TO SITE
PXRM EXTRACT HISTORY
SEND TO SITE
PXRM EXTRACT MANAGEMENT
SEND TO SITE
PXRM EXTRACT PARAMETER DISPLAY
SEND TO SITE
PXRM EXTRACT PARAMETER EDIT
SEND TO SITE
PXRM EXTRACT PARAMETERS
SEND TO SITE
PXRM EXTRACT SUMMARY
SEND TO SITE
PXRM EXTRACT TRANSMISSIONS
SEND TO SITE
PXRM FINDING PARAMETER LIST
SEND TO SITE
PXRM GENERAL EDIT/LIST
SEND TO SITE
PXRM LIST RULE DISPLAY/EDIT
SEND TO SITE
PXRM LIST RULE HELP
SEND TO SITE
PXRM LIST RULE MANAGEMENT
SEND TO SITE
PXRM PATIENT LIST
SEND TO SITE
PXRM PATIENT LIST AUTH USERS
SEND TO SITE
PXRM PATIENT LIST HELP
SEND TO SITE
PXRM PATIENT LIST PATIENTS
SEND TO SITE
PXRM PATIENT LIST USER
SEND TO SITE
PXRM SELECTION
SEND TO SITE

HL7 APPLICATION PARAMETER:
PXRM7-REM-COM
SEND TO SITE

HL LOGICAL LINK:
PXRM7-RECO
SEND TO SITE

PARAMETER DEFINITION:
PXRM CPRS LOOKUP CATEGORIES
SEND TO SITE
PXRM GEC STATUS CHECK
SEND TO SITE
PXRM GUI REMINDERS ACTIVE
SEND TO SITE
PXRM MENTAL HEALTH ACTIVE
SEND TO SITE
PXRM PROGRESS NOTE HEADERS
SEND TO SITE
PXRM REPORT TEMPLATE (USER)
SEND TO SITE
PXRM WH PRINT NOW
SEND TO SITE

REMOTE PROCEDURE:
PXRM EDUCATION SUBTOPICS
SEND TO SITE
PXRM EDUCATION SUMMARY
SEND TO SITE
PXRM EDUCATION TOPIC
SEND TO SITE
PXRM MENTAL HEALTH
SEND TO SITE
PXRM MENTAL HEALTH RESULTS
SEND TO SITE
PXRM MENTAL HEALTH SAVE
SEND TO SITE
PXRM PROGRESS NOTE HEADER
SEND TO SITE
PXRM REMINDER CATEGORIES
SEND TO SITE
PXRM REMINDER CATEGORY
SEND TO SITE
PXRM REMINDER DETAIL
SEND TO SITE
PXRM REMINDER DIALOG SEND TO SITE
PXRM REMINDER DIALOG (TIU) SEND TO SITE
PXRM REMINDER DIALOG PROMPTS SEND TO SITE
PXRM REMINDER EVALUATION SEND TO SITE
PXRM REMINDER INQUIRY SEND TO SITE
PXRM REMINDER RPC SEND TO SITE
PXRM REMINDER WEB SEND TO SITE
PXRM REMINDERS (UNEVALUATED) SEND TO SITE
PXRM REMINDERS AND CATEGORIES SEND TO SITE
Glossary

**GlossTerm**
Definition of term.

**AAC SAS Files**
AAC SAS files contain data that is equivalent to data stored in the Reminder Extract Summary entry in the Reminder Extract Summary file. AAC manages SAS files for use by specifically defined users.

**Archiving**
The storing of historical or little used data off-line (often on tape).

**Applicable**
The number of patients whose findings met the patient Cohort reminder evaluation.

**Banner**
A line of text with a user’s name and domain.

**Browser**
An interactive application that displays ASCII text on a terminal that supports a scroll region. The text can be in the form of a word-processing field or sequential local or global array. The user is allowed to navigate freely within the document.

**Callable Entry Points**
Places in a routine that can be called from an application program.

**Cross-reference**
An indexing method whereby files can include pre-sorted lists of entries as part of the stored database. Cross-references (x-refs) facilitate look-up and reporting.

**Default Facility**
A user selects a facility identification to work with patients registered to that facility.

**Due**
The number of patients whose reminder evaluation status is due.

**Entry Point**
Entry point within a routine that is referenced by a “DO” or “GOTO” command from a routine internal to a package.
**Extract Parameter**
Parameters that define how to identify the patient cohort. A national extract entry is defined for each extract process. This entry defines an extract name, how often to automatically run the named extract process, the rules used to identify target patients, what reminders should be run against what patient list, what type of finding counts to accumulate, and where to transmit results.

**Extract Summary**
An extract summary containing the results of an extract process is created by this process in the Extract Summary File. This Extract Summary entry will help coordinators track the extract process through successful transmission processing by AAC.

**Extract Run**
A periodic extract job based on the Extract Parameter definition. The extract job creates an entry in the Reminder Extract Summary file. The extract job automatically starts a transmission job to transmit the extract summary data to a queue at the AAC. The successful completion of the Extract Run schedules the next periodic Extract Run.

**File**
A set of related records or entries treated as a single unit.

**FileMan**
The database management system for RPMS.

**Finding Count Rules**
A Finding Count Rule defines the group of findings to accumulate, the type of finding total, and whether to use the TOTAL or APPLICABLE patient cohorts to calculate finding counts.

**Finding Group**
Group of Reminder Terms within the Extract Parameter File used for counting purposes.

**Finding Totals**
Totals derived using Finding Count Rules.

**Global**
In MUMPS, global refers to a variable stored on disk (global variable) or the array to which the global variable may belong (global array).
Health Record Number (HRN)
Each facility assigns a unique number within that facility to each patient. Each HRN with its facility identification ASUFAC make a unique identifier within all of IHS.

INDEX (%INDEX)
A Kernel utility used to verify routines and other MUMPS code associated with a package. Checking is done according to current ANSI MUMPS standards and RPMS programming standards. This tool can be invoked through an option or from direct mode (>D^%INDEX).

Init
Initialization of an application package. The initialization step in the installation process builds files from a set of routines (the init routines). Init is a shortened form of initialization.

Internal Entry Number (IEN)
The number used to identify an entry within a file. Every record has a unique internal entry number.

Information Resource Management (IRM)
The IHS personnel responsible for information systems management and security.

Kernel
The set of MUMPS software utilities that function as an intermediary between the host operating system and application packages, such as Laboratory and Pharmacy. The Kernel provides a standard and consistent user and programmer interface between application packages and the underlying MUMPS implementation. These utilities provide the foundation for RPMS.

List Rules
A List Rule is a set of rules that define which findings shall be used to determine whether a patient should be added or removed from a patient list.

Menu
A list of choices for computing activity. A menu is a type of option designed to identify a series of items (other options) for presentation to the user for selection. When displayed, menu-type options are preceded by the word “Select” and followed by the word “option” as in Select Menu Management option: (the menu’s select prompt).

Namespace
A unique set of 2 to 4 alpha characters that are assigned by the database administrator to a software application.
**Not Applicable**
The number of patients whose findings did not meet the patient cohort reminder evaluation.

**Not due**
The number of patients whose reminder evaluation status is not due.

**Option**
An entry in the Option file. As an item on a menu, an option provides an opportunity for users to select it, thereby invoking the associated computing activity. Options may also be scheduled to run in the background, non-interactively, by TaskMan.

**Queuing**
Requesting that a job be processed at a later time rather than within the current session.

**Reminder Definitions**
Reminder Definitions comprise the predefined set of finding items used to identify patient cohorts and reminder resolutions. Reminders are used for patient care and/or report extracts.

**Reminder Dialog**
Reminder Dialogs comprise a predefined set of text and findings that together provide information to the CPRS GUI, which collects and updates appropriate findings while building a progress note.

**Reminder Patient List**
A list of patients that is created from a set of List Rules and/or as a result of report processing. Each Patient List is assigned a name and is defined in the Reminder Patient List File. Reminder Patient Lists may be used as an incremental step to completing national extract processing or for local reporting needs. Patient Lists created from the Reminders Due reporting process are based on patients that met the patient cohort, reminder resolution, or specific finding extract parameters. These patient lists are used only at local facilities.

**Reminder Terms**
Predefined finding items that are used to map local findings to national findings, providing a method to standardize these findings for national use.

**Reminder Totals**
Totals that are accumulated from the reminder evaluation process based on the APPLICABLE, NOT APPLICABLE, DUE, AND NOT DUE statuses.
Remote Procedure Call (RPC)

An RPC is an entry in the REMOTE PROCEDURE file that points to specific M code to execute when called by an external Windows application.

Report Reminders

Reminders may be defined specifically for national reporting. Report Reminders do not have a related Reminder Dialog in CPRS and are not used by clinicians for patient care. However, clinical reminders that are used in CPRS may also be used for national reminder reporting. All reminders targeted for national reporting are defined in Extract Parameters.

Reporting Period Extract

The extracts may be for monthly, quarterly, or yearly processing. The extracts are formatted and transmitted to the national database via HL7 messaging using a report format.

Routine

A program or sequence of instructions called by a program that may have some general or frequent use. MUMPS routines are groups of program lines that are saved, loaded, and called as a single unit via a specific name.

Total

The total number of patients in a patient list (denominator) based on the criteria defined in the Reminder List Rule file.

Transmission Run

The Transmission Run is started automatically by the Extract Run, but may also be manually scheduled. The extract process starts the Transmission Run just before completing the Extract Run. The Transmission Run transmits extract summary data to an AAC queue via HL7 transmissions. This data updates the Reminder Extract Summary entry for the reporting period.

User Class Identification (UCI)

A computing area.

Up-Hat (^)

A circumflex, also known as a “hat,” or “caret,” that is used as a piece delimiter in a global. The up-hat is denoted as “^" and is types by pressing Shift + 6 on the keyboard.

Utility

A callable routine line tag or function. A universal routine usable by anyone.
Variable

A character or group of characters that refers to a value. MUMPS recognizes 3 types of variables: local variables, global variables and special variables. Local variables exist in a partition of the main memory and disappear at sign-off. A global variable is stored on disk, potentially available to any user. Global variables usually exist as parts of global arrays.
Contact Information

If you have any questions or comments regarding this distribution, contact the OIT User Support (IHS) by:

Phone: (888) 830-7280
Web: http://www.ihs.gov/helpdesk/
Email: mailto:support@ihs.gov