Patient Care Encounter (PCE)

User Manual Appendices

Version 1.0

August 1996

Revised December 2017

Revision History

Initiated on 11/19/04

Date	Description (Patch # if applic.)	Project Manager	Technical Writer
12/2017	PX*1*219 – Added Appendix A-11 for PCE/SD Debugging Utilities	REDACTED	REDACTED
07/2014	PX*1*199 – Updates for ICD-10 (pp. 28, 130) Technical Edit	REDACTED	REDACTED
11/2008	Formatting Edits	REDACTED	REDACTED
11/2004	Manual updated to comply with SOP 192-352 Displaying Sensitive Data	REDACTED	REDACTED

(This page included for two-sided copying.)

Table of Contents

(This page included for two-sided copying.)

Appendix A - Clinical Reminders Guidelines & Worksheets

Appendix A-1   Start-up Process for Implementing Reminders

1. Gather copies of the Appendix A worksheets

  Appendix A-2   Clinical Reminders at a Glance
  Appendix A-3   Clinical Reminder Definition Worksheet
  Appendix A-4   PCE Clinical Integration Worksheet

2. Review the reminders distributed with PCE.

- Use Appendix A-8 to review distributed reminders names, and how they relate to each other.
- Number of Reminder Items distributed:

  NCHP VA-* prefixed reminder items - 15
  Amb Care EP's VA- prefixed reminder items - 22

3. Become familiar with the distributed taxonomies.

- Use Appendix A-9 to review distributed taxonomies.
- Number of taxonomies distributed: 30

4. Identify preventive maintenance guidelines to be used for start-up

- Identify clinician(s) who want their clinic to be the start-up clinic for the reminders. Ideally, this should be a clinician who uses encounter forms and health summaries and wants to be actively involved with the clinic's encounter form and reminder definition process.

- Identify the coordinator who defines the clinic's Encounter Form(s). Inform the coordinator about the reminder definition process, and that it could impact the clinicians' encounter form definition. Get a copy of the current encounter form definition used by the clinic.

- Work with the clinician to identify the category of reminder(s) from the distributed list in Appendix A-8 that the clinician would like to start with. The VA-* and VA- reminders that are similar are listed next to each other in Appendix A-2. This gives an overview of the reminders by guideline category and how they relate to each other. Each row in Appendix A-2 contains the reminders that address the same preventive maintenance guideline, each with a little different definition. The last column is reserved for the coordinator for tracking purposes to indicate the local reminder that is being used to satisfy the preventive maintenance guideline.

- Use Appendix A-4 to identify the appropriate coordinators for resolving the overlap between package managment of PCE table, clinical reminder, Health Summary, and Encounter Form definitions.

5. *Identify how the clinician would like to see preventive maintenance guideline implemented in his/her clinic:*

- Show the clinician the "VA-*" (NCHP) and "VA-" (Amb Care EP) prefixed detailed definitions of reminders that relate to the category of guidelines the clinician is interested in. For each definition review the following:

Print Name
What text does the clinician want to see on the Health Summary to identify this reminder on the Health Summary?

Age Findings
What age range(s) (if any) should be in effect for this reminder? How frequently should the reminder be due? Keep in mind that Taxonomy, and Health Factor findings can alter the age range and frequency criteria.

Target Result Findings Items
Determine if the items are appropriate for your site. Check the items content based on your local definitions from the target result findings file. If the Target Result Finding file is one of those in the left column below, answer the question in the right column.

Lab Test (Chemistry & should Hematology only)	What are the laboratory test names that be looked for to satisfy the reminder?
Radiology Procedure that	What are the radiology procedure names should be looked for to satisfy the reminder?
Measurement	What are the measurements that should be looked for to satisfy the reminder?
Education	What are the education topics that should be looked for to satisfy the reminder?
Immunization	What are the immunizations that should be looked for to satisfy the reminder?
Exam for	What are the exams that should be looked to satisfy the reminder?
Skin Test looked	What are the skin tests that should be for to satisfy the reminder?
Procedure	What are the CPT codes and ICD Operation/Procedure codes that should be looked for to satisfy the reminder?

Taxonomy Items
Get a detailed list of the taxonomy definitions currently defined for the reminder. (See Appendix A-9 for a list of distributed taxonomy definitions. For each taxonomy, review the list with the clinician and decide if it is appropriate. If not, develop a new list and create a taxonomy reflecting the new list. Keep track of these coded values for integration with the Encounter form. (The clinician may already be collecting preferred codes on the encounter form. The clinic's Encounter Form may be useful to have available during this process.)

- If the patient is found to have a match with the taxonomy:
  - ❖ Decide if the age range and/or reminder frequency should be altered and if it is what the rank shound be.
  - ❖ Decide if the taxonomy can be used to satisfy the reminder.
  - ❖ Decide what (if any) found text message should be displayed on the Clinical Maintenance component. (The date and what was found will be displayed in the Clinical Maintenance component.)
  - ❖ Decide if the taxonomy should control whether or not the reminder is applicable.

- If the patient is not found to have a match with the taxonomy:
  - ❖ Decide what (if any) non-found text message should be displayed on the Clinical Maintenance component.

- Is there a generic found text or not-found text that the clinician would like to see if any of the taxonomies were matched, or if none of the taxonomies were matched?

Health Factor Findings Items
- What are the health factors that should be looked for to satisfy the reminder?

- If the patient has the health factor information on file:
  - ❖ Decide if the age range and/or reminder frequency should be altered.
  - ❖ Replace the taxonomy with the health factor.
  - ❖ Decide what (if any) found text message should be displayed on the Clinical Maintenance component. (The date and what was found will be displayed in the Clinical Maintenance component.)
  - ❖ Repeat the taxonomy with the health factor.

- If the patient is not found to have the health factor information on file:
  - ❖ Decide what (if any) not-found text message should be displayed on the Clinical Maintenance component.

- Is there a generic found text or not-found text that the clinician would like to see if any of the health factors were found, or if none of the health factors were found?

Use the Appendix A-3, Clinical Reminder Definition Worksheet, as a tool to map out the desired definitions for the local reminders. Alternatively, if one of the distributed reminders is very close, make the changes on the distributed print of the reminder definitions.

If answers to any of the questions above were different than the distributed definition, than a local reminder definition must be created for the preventive maintenance guideline.

6. Review and edit Reminder/Maintenance file entries, as needed:

• For each specified reminder definition, the PCE files may require new entries to support the reminder. For PCE files review the following files and answer the questions in the right column.

Education Topic	Are the education topics already defined in the Education Topics file?
Immunization	Are the immunizations already defined in the Immunization file?
Exam	Are the exams already defined in the Exam file?
Skin Test	Are the skin tests already defined in the Skin Test file?
Taxonomy	Is there a taxonomy defined that addresses the ICD Diagnosis, ICD Operation/ Procedure and CPT codes that should be looked for to satisfy the reminder. Keep in mind multiple taxonomies may be defined, each with a different emphasis on grouping.

7. Resolve integration issues between the clinic's encounter form and reminder definition:

• For each reminder to be used, determine what items identified as part of the reminder's criteria should be captured off the encounter form?

❖ Vital types for measurement reminders
❖ Education Topics for education reminders
❖ Immunizations for immunization reminders
❖ Exams for Exam reminders
❖ Skin Tests for Skin Test reminders
❖ Taxonomies with CPT codes and ICD Operation/Procedure codes for Procedure reminders
❖ Taxonomies with ICD codes for diagnosis tracking/reminder alteration within the reminder definition
❖ Health Factors for Health Factor tracking/reminder alteration within the reminder definition

• The Clinical Coordinator responsible for the clinics' Encounter Form(s) definitions needs to make the appropriate changes to begin collecting any new data that is needed to meet the preventive maintenance guidelines.

8. Define a PCE Reminder/Maintenance Item for each unique reminder:

• Use the PCE Reminder Maintenance Menu option, "Copy reminder Item," to copy and edit an existing reminder. You may also create a new reminder from scratch, but is is usually easier to start with an existing reminder.

NOTE: The technical descriptions may be useful for summarizing what your goals are for the reminder and for sharing with other sites.

9. Test the reminder:

There are two ways to test a reminder:

• Add the reminder to a test Health Summary. Using a test health summary shows how the reminder looks from a user's perspective.
• Use the Reminder Test option, as described in Appendix A-7. The Reminder Test option can be a useful tool to reminder developers for debugging reminders that don't work as expected.

To test a reminder using Health Summary:

1. Add the Clinical Maintenance and Clinical Reminder components to the reminder health summary type. Select the reminder item(s) to be tested in the selection item's prompt from Clinical Maintenance and Clinical Reminder components.

<div align="center">Health Summary reminder components</div>

CLINICAL REMINDERS	This component evaluates patient findings to determine if the reminder is DUE NOW.
CLINICAL MAINTENANCE	This component evaluates patient findings and reports the findings or lack of findings used to determine whether or not the reminder is due.

NOTE: If you can't select the PCE Clinical Maintenance or PCE Clinical Reminder components for the Health Summary, the components must be enabled for use, and the "Rebuild Ad Hoc Health Summary Type" option must be run.

2. Use the Print Health Summary Menu, "Patient Health Summary" option to begin testing the component for individual patients. Find or create test patients with data in V*ISTA* that match the reminder definitions, as well as some that won't have data matches. Assess the reminder results:

• Are the age range and frequency evaluation working?

• Are the target findings found or not found as expected?

• Are the taxonomy findings found or not found as expected?

• Are the health factors found or not found as expected?

• If match and no-match are defined, are they being displayed?

• Are alterations of age and frequency criteria working as expected based on taxonomy or health factor findings?

3. Use the Print Health Summary Menu, "Hospital Location Health Summary" option to print the reminders for a clinic, based on a recently passed date range, or next week's date range. Did the Health Summary print run to completion without any errors?

4. Contact IRMS if you encounter errors. REDACTED

5. Do not add reminders that are causing errors to the clinic's health summary. Make the reminders inactive until the problem is resolved.

6. Once the reminder is working as expected, show the clinician the reminder defintions, samples of the health summary components results and possibly the encounter form. Gather feedback.

7. If necessary, make modifications to the reminder defintion, taxonomies, and encounter forms. After the modifications have been made, resume the testing.

8. Identify the Health Summary Coordinator for the clinic. Provide the coordinator with the list of selection item reminders that the clinician has selected for their clinic.

9. The Health Summary Coordinator must add the Clinical Reminder and/or Clinical Maintenance components to the clinic's Health Summary Type, adding the selection items for the Reminder/Maintenance Items.

(This page included for two-sided copying.)

Appendix A-2   Clinical Reminders at a Glance

This is a worksheet to help track a clinic's selected reminders. See instructions on the following page. Make copies of this page for each clinic.

Clinic_____

NCHP REMINDER GUIDELINE (VA-* prefix)	AMB CARE EP/SITE EXAMPLES DISTRIBUTED (VA- prefix)	LOCAL SITE GUIDELINE
A/I	**A/I**	**A/I**
⑥ Breast Cancer Screen	⑥ Mammogram	⑥
⑥ Cervical Cancer Screen	⑥ Pap Smear	⑥
⑥ Cholesterol Screen (F)	⑥	⑥
⑥ Cholesterol Screen (M)	⑥	⑥
⑥ Colorectal Cancer Screen (FOBT)	⑥ Fecal Occult Blood Test	⑥
⑥ Colorectal Cancer Screen (Sig.)	⑥ Flexisigmoidoscopy	⑥
⑥ Fitness and Exercise Screen	⑥ Exercise Education	⑥
⑥ Hypertension Screen	⑥ Blood Pressure Check	⑥
⑥ Influenza Immunization	⑥ Influenza Vaccine	⑥
⑥ Pneumococcal Vaccine	⑥ Pneumovax	⑥
⑥ Problem Drinking Screen	⑥ Alcohol Abuse Education	⑥
⑥ Seat Belt and Accident Screen	⑥ Seat Belt Education	⑥
⑥ Tetanus Diptheria Immunization	⑥	⑥
⑥ Tobacco Use Screen	⑥ Tobacco Education	⑥
⑥ Weight and Nutrition Screen	⑥ Nutrition/Obesity Education	⑥
⑥	⑥ Advanced Directives Education	⑥
⑥	⑥ Breast Exam	⑥
⑥	⑥ Breast Self Exam Education	⑥
⑥	⑥ Digital Rectal (Prostate) Exam	⑥
⑥	⑥ PPD	⑥
⑥	⑥ PSA	⑥
⑥	⑥ Weight	⑥

**A/I=Active/Inactive

Clinical Reminders at a Glance Worksheet Instructions

Use the table on the previous page as a worksheet to help track a clinic's selected reminders. Each row of this table represents variations of the same type of reminder.

1. Become familiar with the distributed reminder definitions found in A-8. The VA-* prefixed reminders, based on definitions by the National Center for Health Promotion (NCHP), represent a minimum set of reminders which sites must be able to report on yearly to comply with Congressional law.

2. The VA- reminders are site and Ambulatory Care Expert Panel examples of reminders. When a VA- reminder is in the column next to a VA-* reminder, the VA- reminder is an example of an alternative reminder that still addressess the NCHP guideline.

3. Use Appendix A-3 as a worksheet for developing the local reminders. This includes requirements for taxonomies, health factors, and target findings that are needed to meet your site's preventive maintenance guidelines.

4. Use the PCE Table Maintenance options to create any new education topics, exams, immunizations, skin tests, and health factors needed by the reminders.

5. Use the Taxonomy Copy and Add/Edit options to create and modify site taxonomies, if the distributed taxonomies need modifications.

6. Use the Reminder Copy and Edit options to create and modify site reminders if the distributed reminders need modifications. Make sure that the NCHP Guideline field is filled in if the site reminder is replacing a VA-* version of a reminder.

7. Add the names of any local site reminders into table A-2.

8. Use table A-2 to identify the reminders that you will actually use and enter an A in the boxes of the A/I column. This will summarize which reminders should be makred active.

9. Inactivate any reminders which will not be used by your site. As reminders are identified, you can summarize which reminders won't be used by entering I in the A/I boxes.

10. Test reminders by adding the reminders to a test Health Summary Types' Clinical Maintenance or Clinical Reminder components, or reference the reminders in the AD HOC Health Summary option for the Clinical Maintenance or Clinical Reminder components. You can also test reminders by using the Reminder Test option (see Appendix A-7). Initially, you may want to focus only on the Clinical Maintenance component to ensure that the **V**_IST_**A** data is being evaluated appropriately.

NOTE: If you're using reminders for performance measures, you may want to create your own table, listing the performance measure being met and the related reminder.

(This page included for two-sided copying.)

Appendix A-3   Clinical Reminder Definition Worksheet

```
Clinical Reminder Definition Worksheet          Page 1 of 6

Clinic Name/Clinician: _____

Local Site Reminder NAME:(required)  _____
Enter the name of a clinical reminder/maintenance item.

REMINDER TYPE:(req)        Check one of the following:
                           __  Education
                           __  Examination
                           __  Immunization
                           __  Laboratory Test (chemistry & hematology)
                           __  Measurement
                           __  Radiology Procedure
                           __  Procedure
                           __  Skin Test


PRINT NAME:(opt)               _____
Enter the name to show up on the Health Summary.

RELATED REMINDER STANDARD:(opt) _____
If this local reminder replaces an NCHP related reminder, identify the related
NCHP reminder here. The VA-* prefixed reminders are NCHP reminders.

INACTIVE FLAG:(opt)              '1' FOR INACTIVE; or use the @ to reactivate
                                 a reminder.

REMINDER DESCRIPTION (opt):    _____

_____

_____
This field contains a clinical description the purpose of the clinical
reminder/maintenance item.

TECHNICAL DESCRIPTION (opt):   _____

_____

_____
The technical description is the place to document the reasoning behind the
reminder defintion. It may also be useful for sites sharing reminder definitions.

DO IN ADVANCE TIME FRAME (opt):_____
Enter the time period to mark the reminder due in advance (e.g.,7D,1M,6M,1Y).

SEX SPECIFIC (opt): Circle one or leave blank to apply to both.
                    'F' FOR FEMALE       'M' FOR MALE

IGNORE ON N/A (opt): _____
This is used to prevent display of Non-Applicable messages on the Clinical
Reminders component. The allowed codes are A for age and S for sex. More than one
code can be selected.
```

Appendix A-3   Clinical Reminder Definition Worksheet

```
┌─────────────────────────────────────────────────────────────────────┐
│                                                                       │
│ Clinical Reminder Definition Worksheet           Page 2 of 6          │
│                                                                       │
│ Reminder Name:                                                        │
│ _____  │
│                                                                       │
│ ======================= TARGET GROUPS (optional- multiple) ========== │
│                                                                       │
│ BASELINE AGE FINDINGS (opt): This multiple allows the user to define  │
│ reminder frequencies based on maximum and minimum age ranges. These   │
│ are called freqeuncy age range sets. These frequency age range sets   │
│ are the "Baseline" for the reminder. The baseline frequency age range │
│ set can be altered by a taxonomy finding, health factor finding, or   │
│ computed finding.                                                     │
│                                                                       │
│   REMINDER FREQUENCY (opt):            _____            │
│   MINIMUM AGE (opt):                   _____            │
│   MAXIMUM AGE (opt):                   _____            │
│   AGE MATCH TEXT (opt):                _____  │
│   AGE NO MATCH TEXT (opt):             _____  │
│                                                                       │
│                                                                       │
│   REMINDER FREQUENCY (opt):            _____            │
│   MINIMUM AGE (opt):                   _____            │
│   MAXIMUM AGE (opt):                   _____            │
│   AGE MATCH TEXT (opt):                _____  │
│   AGE NO MATCH TEXT (opt):             _____  │
│                                                                       │
│                                                                       │
│   REMINDER FREQUENCY (opt):            _____            │
│   MINIMUM AGE (opt):                   _____            │
│   MAXIMUM AGE (opt):                   _____            │
│   AGE MATCH TEXT (opt):                _____  │
│   AGE NO MATCH TEXT (opt):             _____  │
│                                                                       │
│                                                                       │
│                                                                       │
│                                                                       │
│                                                                       │
│                                                                       │
│                                                                       │
│                                                                       │
└─────────────────────────────────────────────────────────────────────┘
```

Clinical Reminder Definition Worksheet   Page 3 of 6

Reminder Name:

_____

=================== TARGET RESULT FINDINGS (optional-1 entry) =================
      Note: Only specify one result findings file in the reminder definition.
The result findings file must be the appropriate file for the Reminder Type
identified on page 1. This is required for all reminder types except
procedure.

Reminder Type: Check one of the following:
 Education   __   Education Topics
 Examination   __   Exam
 Immunization   __   Immunization
 Lab Test   __   Laboratory Test (chemistry & hematology)
 Measurement   __   GMRV Vital Type
 Radiology Procedure   __   Radiology Procedures
 Procedure   __   leave blank
 Skin Test   __   Skin Test

TARGET RESULT DESCRIPTION (opt): _____

_____

_____
This describes what and why particular target result finding items need to be
selected for this reminder.

TARGET RESULT FINDINGS ITEMs (opt): _____

                                    _____

                                    _____

These are the item(s) from the Target Result Findings File that should be
used to evaluate patient findings for this reminder. These entries are based
on a variable pointer definition. Use the PREFIX.? for a list of the
currently defined entries for the reminder, and the total items available to
select from in the file.

| | | | Method to Define Items |
FILE	PREFIX	Description	Not in the file
60	L	LABORATORY TEST	See Lab Coordinator
		(NOTE: Chem & Hem only)	
71	R	RADIOLOGY TEST	See Radiology Coordinator
9999999.09	E	EDUCATION TOPIC	PCE Table Maintenance
9999999.14	I	IMMUNIZATION	PCE Table Maintenance
9999999.28	SK	SKIN TEST	PCE Table Maintenance
9999999.15	EX	EXAM	PCE Table Maintenance
120.51	VT	VITAL MEASUREMENT TYPE	See Gen Med Rec - Vitals package coordinator

TARGET RESULT FOUND TEXT (opt):

      _____

_____
_

TARGET RESULT NOT FOUND TEXT (opt):
_____
_____
_

```
Clinical Reminder Definition Worksheet            Page 4 of 6

Reminder Name:
_____

================== TAXONOMY FINDINGS (optional-multiple) ==================
You will need to fill out one of these sheets for each taxonomy used by the
reminder. One General Found and Not Found Text may be defined for all the
taxonomies if appropriate.


TAXONOMY (opt): You can define more than one taxonomy in the reminder
definition, and alter the reminder criteria based on whether the patient has
a match. Enter the Taxonomy name, or just list the ICD Diagnosis, ICD
Operation Procedure, or CPT codes which need searched for. If no taxonomy
containing these codes exist, you will need to create one.

        TAXONOMY ITEM(s):  _____
                   or identify standard codes to build taxonomy(s).

                   ICD Diagnosis codes:
                          _____

                   ICD Operation/Procedures:
                          _____

                   CPT procedures:
                          _____

                          _____

A match on a taxonomy can alter the reminder criteria or give clinical
feedback based on the following fields:

        MINIMUM AGE (opt):             _____
        MAXIMUM AGE (opt):             _____
        REMINDER FREQUENCY (opt):      _____
        FOUND TEXT (opt):              _____
        NOT FOUND TEXT (opt):          _____
        RANK FREQUENCY (opt):          _____
        USE IN DATE DUE CALC (opt):    _____
        USE IN APPLY LOGIC (opt):      _____

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

TAXON GENERAL FOUND TEXT (opt):    _____
_____

TAXON GENERAL NOT FOUND TEXT (opt):_____
_____
```

```
┌──────────────────────────────────────────────────────────────────────────┐
│ Clinical Reminder Definition Worksheet              Page 5 of 6            │
│                                                                            │
│ Reminder Name:                                                             │
│ _____         │
│                                                                            │
│ ============== HEALTH FACTOR FINDINGS (optional - multiple) ============== │
│ You will need to fill out one of these sheets for each health factor used by│
│ the reminder. One General Found and Not Found Text may be defined for all the│
│ health factors if appropriate.                                             │
│                                                                            │
│                                                                            │
│ HEALTH FACTOR FINDINGS (opt)                                               │
│ These are the health factors that should be evaluated as findings for this │
│ reminder. Each health factor is defined in the Health Factor file with a   │
│ health factor category. A match on the most recent health factor finding   │
│ item(s) found for a patient represented in the reminder defintion may be used│
│ to alter the reminder criteria. Multiple most recent health factor finding │
│ item(s) are based on the health factor category the health factor findings │
│ item belonged to. If 5 health factor finding items are defined in the      │
│ reminder, from 2 unique health factor categories, then only the two most   │
│ recent health factor findings (1 from each category) for a patient will be │
│ used by the reminder.                                                      │
│                                                                            │
│                                                                            │
│        HEALTH FACTOR FINDINGS ITEM (opt):  _____ │
│                                                                            │
│ A match on a health factor can alter the reminder criteria or give clinical│
│ feedback based on the following fields:                                    │
│                                                                            │
│        MINIMUM AGE (opt):                  _____              │
│        MAXIMUM AGE (opt):                  _____              │
│        REMINDER FREQUENCY (opt):           _____              │
│        FOUND TEXT (opt):                   _____│
│        NOT FOUND TEXT (opt):               _____│
│        RANK FREQUENCY (opt):  _____                           │
│        USE IN DATE DUE CALC (opt):    _____                   │
│        USE IN APPLY LOGIC (opt):      _____                   │
│                                                                            │
│ ===========================================================================│
│                                                                            │
│ HF GENERAL FOUND TEXT (opt):           _____│
│                                                                            │
│ _____│
│                                                                            │
│ HF GENERAL NOT FOUND TEXT (opt):       _____│
│                                                                            │
│ _____│
│                                                                            │
└──────────────────────────────────────────────────────────────────────────┘
```

```
Clinical Reminder Definition Worksheet          Page 6 of 6

Reminder Name:
_____

===================== COMPUTED FINDINGS (optional) =========================
You will need to fill out one of these sheets for each computed finding used
by the reminder.


COMPUTED FINDINGS (opt): This multiple allows computed findings when the
findings criteria are more involved than just checking the existence of an
entry in the patient's clinical data. An example might be the calculation of
Body Mass Index (BMI) based on the height and weight.

ROUTINE (opt):             _____
An example of a routine specified would be OBESE;PXRMOBES.


A match on a computed finding can alter the reminder criteria or give
clinical feeback based on the following fields:

        MINIMUM AGE (opt):              _____
        MAXIMUM AGE (opt):              _____
        REMINDER FREQUENCY (opt):       _____
        SHORT DESCRIPTION (opt):        _____
        FOUND TEXT (opt):               _____
        NOT FOUND TEXT (opt):           _____
        RANK FREQUENCY (opt):   _____
        USE IN DATE DUE CALC (opt):     _____
        USE IN APPLY LOGIC (opt):       _____


=========================== APPLY LOGIC (optional) =========================

APPLY LOGIC (opt):              _____
For reminders requiring APPLY LOGIC that cannot be defined using the USE IN
APPLY LOGIC field on taxonomies, health factors, and computed findings the
APPLY LOGIC can be entered here. For a detailed explanation of how to use
this field see Appendix A-7.



========================= END OF REMINDER DEFINITON
=========================
```

Appendix A-4   PCE Clinical Integration Worksheet

Use this worksheet to coordinate the management of a clinic's PCE Reminder impact on Health Summary, PCE, and Encounter Forms. Successful integration depends on how well the clinical coordinators work with each other and the clinicians they represent.

Clinic Information:
Clinic Name: _____
Clinicians/Team: _____
                                                       _____
Clinic's Health Summary Types: _____
                                                       _____
Encounter Form #:   _____
ID #:   _____
Coordinators:
PCE Clinical Coordinator   _____
Health Summary Clinical Coordinator   _____
Preventive Maintenance Coordinator   _____
Encounter Form Clinical Coordinator   _____

Integration Checklist for management of:

Reminder/Maintenance Item(s) selected:	PCE Table Review/Update	Reminders _____ Define | Test	Health Summary _____ CM | CR	Encounter Form Review/ Update

Clinic Name:

Integration Checklist for management of:

Reminder/Maintenance Item(s) selected:	PCE Table Review/Update	Reminders _____ Define | Test	Health Summary _____ CM | CR	Encounter Form Review/ Update

Appendix A-5   Designing Encounter Forms based on Preventive Maintenance Guidelines

The Health Summary provides critical clinical information related to the patient for Ambulatory Care Encounters. The Encounter Form is a means of documenting clinical activity/updates for a patient during the patients encounter. This appendix sub-section gives a brief overview of how PCE, AICS, and Health Summary packages impact the clinician for tracking a patient's preventive maintenance guidelines. The following is a possible scenario for the clinician:

1. A clinician receives the Encounter Form and Health Summary for use during the encounter.

2. The clinician reviews the Clinical Reminder component and/or the Clinical Maintenance component for items that are "DUE NOW."

3. The Encounter Form is predefined with a format that supports the clinical activity related to the reminders. If the clinician is going to ask about education, the clinician should also be prepared to give the appropriate education and document the information gathered from the inquiry.

Recommendation: If a clinician asks about the education needed and finds that education is needed, but isn't able to give the education, the *screening bubble should not be checked off* on the encounter form. The screening should be filled in when the clinician determines education is not indicated or when the clinician screens *and* gives the education.

Two examples of encounter forms are shown on the following pages with items that might be included to support reminders. These examples are:

- An abbreviated format for a clinic that is not interested in tracking details related to the reminders.

- An example of how detailed a clinic could choose to go with data capture related to the reminders.

If the clinician gives abbreviated education for all facets of the education topic, then the "Alcohol Use Education" header should be the box checked, otherwise check-off the appropriate education given. If the clinician has health factor and diagnosis findings that he or she would like to see documented during the screening process, the appropriate boxes should be checked off.

a) Minimum Set

The following example represents a "minimum set" of information (without bubbles) that we recommend for the encounter form. It satisfies NCHP and can also be captured by PCE based on current PCE definitions. If new education topics are needed to represent the remaining screening items, they can be added.

Screening	Procedures:
Alcohol Use Screening	Immunizations:
Tobacco Use Screening	Pneumococcal
Nutrition/Obesity Screening	Influenza
Fitness and Exercise Screening	Tetanus and Diphtheria
Seatbelt Use Screening	
Education	Pap Smear
Alcohol Use Education	FOBT
Exercise Education	Sigmoidoscopy
Nutrition/Obesity Education	
Seatbelt Use Education	
Smoking Cessation Education	

b) Sample of Detailed Content (without bubbles)

Alcohol Use Management	Tobacco Use Management for Health Promotion
Alcohol Use Education	Tobacco Use
Screening/Inquiry	Screen/Inquiry
Diet	Smoking Education
Disease Process	Health Factors
Complications	Lifetime Non-Tobacco User
Exercise	Lifetime Non-smoker
Follow-up	Current Non-smokeless
Lifestyle Adaptations	Current Smoker
Medications	Smokeless Tobacco User
Alcohol Use Health Factors:	Current Non-Smokeless
	Tobacco User
Non-Drinker	Hx of Chewing Tobacco
Family Hx of alcohol abuse/addiction	Hx of smoking
Heavy Drinker (3 or more/day)	Hx of Sec. Smoke Inhal.
Moderate Drinker	Diagnosis: Tobacco Abuse-
Binge Drinking	Continuous
Drinking Alone	Episodic
Hx of Alcohol Treatment	In Remission
Legal Complications	Unspecified
Driving Under the Influence	Use Disorder - Unspecified
Alcohol Use Diagnoses:	
Delirium Tremens	
Cirrhosis of the Liver	
Alcohol Abuse - Unspecified	
Alcohol Abuse - Episodic	
Alcohol Abuse - Continuous	
Alcohol Abuse - In Remission	
Alcohol Dependence	
Alcohol Dependence - In	
Remission	
Hx of Alcoholism	

(This page included for two-sided copying.)

Appendix A-6   Technical Overview of Reminder Logic

NOTE: This overview is extracted from the PCE REMINDER/ MAINTENANCE ITEM file data dictionary description.

This file contains the defintions of reminders which can be selected for use in the Health Summary package components:

> CLINICAL REMINDERS - This component evaluates patient findings to determine if the reminder is "DUE NOW."

> CLINICAL MAINTENANCE - This component evaluates patient findings and reports the findings or lack of findings used to determine whether or not the reminder is due.

Reminder definitions are contained in this file. Each reminder is categorized by "Reminder Type." Based on the reminder type, a "Target Result Findings File" is specified along with the particular items from that file that should be used. For example, for an immunization reminder the target is the IMMUNIZATION file. The particular items would the the name(s) of the immunizations. For each specified immunization, the V IMMUNIZATION file is searched for patient results. For laboratory reminders, exact names used by the site make up the item list.

Target age groups may be defined for each reminder in this file, based on patient's age. Reminder frequencies may be defined by age ranges in the Baseline Age Findings multiple. The age range and reminder frequency to use for the reminder can be altered based on findings of diagnosis, procedure, or health factor data related to a specific patient. The patient's age from PIMS is used for age findings.

Diagnosis and Procedure findings are based on definitions of coded standard ranges defined in the Taxonomy file. The Taxonomy file is distributed with predefined definitions for all reminders distributed by the PCE package. Facilities may create their own taxonomies to use in locally defined reminders. The taxonomies defined for evaluating patient data for diagnosis and procedure findings for a reminder are defined in the "Taxonomy Findings" fields. Based on the patient taxonomy findings, a reminder's frequency and minimum and maximum age criteria can be changed. Text may be defined which will be displayed in the Health Summary "Clinical Maintenance" component to reflect taxonomy findings found or not found in the patient data.

If a taxonomy definition in the Taxonomy file is defined with ICD Diagnosis code ranges, the following files are checked for findings of a code within the Diagnosis ranges specified:

> PROBLEM File (AUPNPROB) in Problem List
> V POV File (AUPNVPOV) in PCE (representing problems/diagnosis treated at encounter)
> PTF File (DGPT) in PIMS (Inpatient Diagnosis summary information)

If a taxonomy definition in the Taxonomy file is defined with CPT code ranges, the following patient file is checked for findings of a code within the CPT ranges specified:

> V-CPT File (PCE, representing procedures done at patient encounters)

If a taxonomy definition in the Taxonomy file is defined with ICD Operation/Procedure codes, the following patient file is checked for findings of a code within the ICD Operation/Procedure code ranges specified:

> PTF File (PIMS, Inpatient Operation/Procedures summary information)

Health factors are defined in the Health Factors file, and can be used to identify health indicators for use with reminders. These factors are not based on a coded standard. A pre-defined set of health factors distributed by PCE is used by the distributed reminders. Facilities may create their own health factors to use in locally defined reminders. The health factors defined for evaluating patient data for this reminder are defined in the "Health Factor Findings" fields. Based on the patient health factor findings, a reminder's frequency and minimum and maximum age criteria can be changed. Text may be defined which will be displayed in the Health Summary "Clinical Maintenance" component to reflect health factor findings found or not found in the patient data.

PCE's "V HEALTH FACTORS" file represents a patient's health factors recorded as of a given encounter date. All Health factors defined in the reminder are used to evaluate patient information in the "V HEALTH FACTORS" file. Out of all the health factor findings, the most recnet health factor finding within each health factor category will be used for the reminder processing.

Health factors can be used to record "pertinent negative findings" for example "lifetime non-smoker". Pertinent negative findings can be used to make a reminder non-applicalbe via an "AND NOT" entry in the Use in Apply Logic field. The Health Factor File contains INACTIVATE and ACTIVATE health factors for each NCHP (VA-* prefixed) reminder. The VA-* reminder defintions provide examples of how the INACTIVATE health factor can be used to stop a reminder for a particular patient. This provides a generic mechanism to record pertinent negatives. The Health Factor Comment field can be used to record the reason for inactivating the reminder.

Computed Findings may also be used in the reminder logic. Computed Findings are based on the evaluation of M logic as true or false. The distributed reminders includes an example of computed findings to evaluate patient height and weight information to calculate the Body Mass Index (BMI) and compare it to a national standard of 27 indicating obesity. Local facilities may program their own computed findings for use with reminders.

A complete description of the elements of this file and how they actually define a reminder can be found in Appendix A-7, Developing and Customizing Clinical Reminders.

Each processing step of the reminder logic can create output. This output is stored in a working array that is built up as the reminder is processed.

General Reminder Logic

The general logic is very similar for every reminder. Specific differences for each reminder type can be found in the Reminder Type File.

SEX SPECIFIC - If the reminder is sex specific, the sex of the patient is compared with the reminder sex. If the patient is the wrong sex, go to step OUTPUT, otherwise continue.

HEALTH FACTORS - If there are health factors associated with the reminder they are compared with the health factors associated with the patient. These are found in the file AUPNVHF. Any matching health factors are stored in the health factor array HFA.

STANDARD CODED ITEMS - Standard coded items are specified for the reminder by a list of Taxonomies. The entries in the Taxonomy files specify a range of codes (low to high) and the file the codes come from. The permissible taxonomy entries are ICD diagnosis (file 80 ICD), ICD operation/procedure (file 80.1 ICD0), and CPT (file 81 ICPT). For each taxonomy entry, a list of internal entry numbers (iens) corresponding to the codes within the specified range is built. These lists are ICD9IEN, ICD0IEN, and ICPTIEN. Next a list of iens is built for the patient. ICD9 patient entries are searched for in the Problem of Visit File V POV (AUPNVPOV), the Patient Treatment File (DGPT), and the Problem List File (AUPNPROB). We search for ICD0 entries in DGPT and ICPT entries in V CPT (AUPNVCPT). The patient entries and taxonomy entries are examined for matches. The most recent entry is retained. In the case of ICD9 or ICD10, the most recent entry in each of the possible search files is retained.

COMPUTED FINDINGS - If a computed finding has been defined for the reminder it is evaluated.

BASELINE CRITERIA - The baseline values for minimum age, maximum age, and reminder frequency are established by determining the appropriate age range for the patient.

FINAL CRITERIA - Each computed finding, health factor and taxonomy can have a minimum age, maximum age, and frequency associated with it. When a particular item is found and it has a minimum age, maximum age, and frequency the baseline values are replaced by these values. In the case where there is more than one applicable computed finding, health factor, or taxonomy, and there are conflicting ages or frequencies the conflict is resolved by 1) using the rank frequency filed to specify the ranking, with number 1 being the highest rank frequency; 2) (when rank frequency not defined) using the frequency and age range that has the frequency that will make the reminder be given most often.

AGE CHECK - After the previous step is complete, final values for minimum age and maximum age are available. A null value has special significance. It means that no check is to be made. Thus if the minimum age is null and the maximum age is 65 then the reminder is applicable to all patients through age 65. If the patient does not meet the age criteria, we go to step OUTPUT, otherwise we continue.

APPLY LOGIC - An optional "apply logic" string can be given as part of the reminder definition. When it is not modified by a user, a default APPLY LOGIC string is created, based on the reminder definition. The string specifies Boolean logical combinations of computed findings, health factors and taxonomies. This gives us the ability to precisely define when the reminder should be given. For example, we could require that a particular taxonomy be found before the reminder is given. The USE IN APPLY LOGIC field for the taxonomy is defined with "AND". The default logic looks for all USE IN APPLY LOGIC references to build the APPLY LOGIC string.The string is in the form of a MUMPS logical string. An example is: (SEX)&(AGE)&TF(5)). SEX and AGE will always be part of the default APPLY LOGIC. The USE IN APPLY LOGIC field for taxonomies, health factors, and computed findings can be defined as "AND", "OR", "AND NOT", "OR NOT", logic, as needed.

TARGET PATIENT ENTRIES - A list of all the patient's entries in the target file is built. The specific targets depend upon the reminder. They can be found in the Reminder Type file.

MOST RECENT TARGET DATE - The patient list is matched against the entries in the target file for the reminder topic and the date the reminder was last given is determined.

DUE DETERMINATION - The date found in the previous step along with the dates for any taxonomies, health factors, and computed findings that have USE IN DATE DUE CALC marked as YES are compared to find the most recent date. The most recent date, the final reminder frequency, and do in advance time are used to determine when the reminder is due.

OUTPUT - The final step is to take all the information stored in the working array and format it for Health Summary to display.

(This page included for two-sided copying.)

Appendix A-7   Developer's Guide: Developing and Customizing Clinical Reminders

Introduction

The Clinical Reminders/Clinical Maintenance portion of PCE (namespace PXRM) can be called by Health Summary to provide clinical reminder or maintenance information for a patient. The PXRM routines and associated data files have been developed to allow sites maximum flexibility both for customizing reminders and for developing new ones. This appendix section provides detailed information about customizing or developing new reminders.

The easiest way to create a new reminder is to copy an existing one and then edit it. Menu options to aid the customization and development of new reminders include *PXRM Reminder Copy*, *PXRM Reminder Edit*, *PXRM Taxonomy Copy*, and *PXRM Taxonomy Edit*.

Files associated with PXRM:

PCE REMINDER/MAINTENANCE ITEM (#811.9)
PCE REMINDER TYPE (#811.8)
PCE TAXONOMY (#811.2)

The contents and use of each of these files are described below.

Reminder Definition

The primary file is PCE REMINDER/MAINTENANCE ITEM, which provides the definition of a reminder item. The other two files provide auxiliary information required for defining the item. Since the ability to set up or modify an item requires an understanding of the contents of this file, each of the fields is described below.

Group 0

```
^PXD(811.9,D0,0)= (#.01) NAME [1F] ^ (#1) REMINDER TYPE [2P] ^ (#1.2) PRINT
==>NAME [3F] ^ (#1.3) DO IN ADVANCE TIME FRAME [4F] ^ (#1.4)
==>RELATED REMINDER STANDARD [5P] ^ (#1.6) INACTIVE FLAG [6S]
==>^ ^ (#1.8) IGNORE ON N/A [8F] ^ (#1.9) SEX SPECIFIC [9S] ^
```

NAME - This is the name of the reminder; examples: VA-BLOOD PRESSURE, VA-MAMMOGRAM, and VA-CHOLESTEROL.

REMINDER TYPE - This is a pointer to the PCE REMINDER TYPE file and defines the type of reminder. The defined types are EDUCATION, EXAMINATION, IMMUNIZATION, MEASUREMENT, PROCEDURE, RADIOLOGY, and SKIN TEST. Every reminder must be one of these types.

PRINT NAME - This is the name that will be used when the reminder is printed in the Health Summary.

DO IN ADVANCE TIME FRAME - This is a time window used in the due now calculation. If a reminder was due in 20 days and this parameter had the value 30D, then the reminder would be marked as due now. However, if the reminder was due in 35 days it would not be marked as due.

See the reminder frequency description in Group 7 for a description of how to enter time units.

RELATED REMINDER STANDARD - This is a pointer to one of the NCHP reminders distributed with the Clinical Reminders. It is used to mark a reminder as meeting or exceeding the requirements of a particular NCHP reminder.

INACTIVE FLAG - This flag marks a reminder as active or inactive for use by Health Summary. The option (IN)/ACTIVATE REMINDERS can be used to change this flag.

IGNORE ON N/A - The default behavior of the Clinical Maintenance component is to give a message that a reminder is non-applicable, N/A, due to the patient's sex or age. This field is a string consisting of single letters that will prevent these messages from being displayed. To prevent the age message from being displayed this field should contain an "A." Similarly, for sex it should contain an "S."

SEX SPECIFIC - This field is used to make a reminder sex-specific. The entry is a single letter code, F for female and M for male. If it is left blank, then the reminder is applicable for either sex.

```
^PXD(811.9,D0,1,0)=^811.92^^  (#2) REMINDER DESCRIPTION
^PXD(811.9,D0,1,D1,0)= (#.01) REMINDER DESCRIPTION [1W] ^
```

REMINDER DESCRIPTION - This word processing field is used to provide a description of the reminder. This allows for documentation of the reminder within the file.

Group 2

```
^PXD(811.9,D0,2,0)=^811.93^^  (#3) TECHNICAL DESCRIPTION
^PXD(811.9,D0,2,D1,0)= (#.01) TECHNICAL DESCRIPTION [1W] ^
```

TECHNICAL DESCRIPTION—This is the technical description of the reminder.

Group 3

```
^PXD(811.9,D0,3,0)=^811.94P^^  (#4) TARGET RESULT FINDINGS
^PXD(811.9,D0,3,D1,0)= (#.01) TARGET RESULT FINDINGS FILE [1P] ^
^PXD(811.9,D0,3,D1,1,0)=^811.941^^  (#1) TARGET RESULT DESCRIPTION
^PXD(811.9,D0,3,D1,1,D2,0)= (#.01) TARGET RESULT DESCRIPTION [1W] ^
^PXD(811.9,D0,3,D1,2,0)=^811.944V^^  (#4) TARGET RESULT FINDINGS ITEM
^PXD(811.9,D0,3,D1,2,D2,0)= (#.01) TARGET RESULT FINDINGS ITEM [1V] ^
^PXD(811.9,D0,3,D1,3,0)=^811.945^^  (#5) TARGET RESULT FOUND TEXT
^PXD(811.9,D0,3,D1,3,D2,0)= (#.01) TARGET RESULT FOUND TEXT [1W] ^
^PXD(811.9,D0,3,D1,4,0)=^811.946^^  (#6) TARGET RESULT NOT FOUND TEXT
^PXD(811.9,D0,3,D1,4,D2,0)= (#.01) TARGET RESULT NOT FOUND TEXT [1W] ^
```

TARGET RESULT FINDINGS FILE - This is a pointer to target file. For example if the reminder was of type education then the target file would be the Education Topics file.

TARGET RESULT DESCRIPTION - This provides a description of the items targeted by the reminder.

TARGET RESULT FINDINGS ITEM - This multiple is a variable pointer to the specific items targeted by the reminder. For example, the targets for education reminders can be selected from the education topics defined in the Education Topics file. For immunization reminders, the targets can be selected from immunizations defined in the Immunization file. See the distributed reminders for further examples.

TARGET RESULT FOUND TEXT - If there is a record of the patient having received the target item, for example a particular education topic, then the found text will be passed to Health Summary for display.

TARGET RESULT NOT FOUND TEXT - If there is no record of the patient having received the target item, then the Not Found Text will be passed to Health Summary for display.

NOTE: FOUND TEXT and NOT FOUND TEXT
Groups 3, 4, 6, 7 (AGE MATCH TEXT, AGE NO MATCH TEXT), and 10 contain FOUND TEXT and NOT FOUND TEXT entries.

Each of these entries is optional and will only be returned for display by Health Summary if it is present.

Group 4

```
^PXD(811.9,D0,4,0)=^811.95P^^ (#5) TAXONOMY FINDINGS
^PXD(811.9,D0,4,D1,0)= (#.01) TAXONOMY [1P] ^ (#1) MINIMUM AGE [2N] ^ (#2)
==>MAXIMUM AGE [3N] ^ (#3) REMINDER FREQUENCY [4F] ^ (#6)
==>RANK FREQUENCY [5N] ^ (#7) USE IN DATE DUE CALC [6S] ^
==>(#8) USE IN APPLY LOGIC [7S] ^
^PXD(811.9,D0,4,D1,1,0)=^811.954^^ (#4) FOUND TEXT
^PXD(811.9,D0,4,D1,1,D2,0)= (#.01) FOUND TEXT [1W] ^
^PXD(811.9,D0,4,D1,2,0)=^811.955^^ (#5) NOT FOUND TEXT
^PXD(811.9,D0,4,D1,2,D2,0)= (#.01) NOT FOUND TEXT [1W] ^
^PXD(811.9,D0,4.1,0)=^811.95051^^ (#5.1) TAXON GENERAL FOUND TEXT
^PXD(811.9,D0,4.1,D1,0)= (#.01) TAXON GENERAL FOUND TEXT [1W] ^
^PXD(811.9,D0,4.2,0)=^811.95052^^ (#5.2) TAXON GENERAL NOT FOUND TEXT
^PXD(811.9,D0,4.2,D1,0)= (#.01) TAXON GENERAL NOT FOUND TEXT [1W] ^
```

TAXONOMY - This is a pointer to the TAXONOMY file. The taxonomy entries have the form: low^high^file where low and high specify an inclusive range of applicable codes and file is the number of the file where the codes are located. The file number can be 80 (ICD diagnosis), 80.1 (ICD operation/procedure), or 81 (CPT). Taxonomies are defined and given names which are used when setting up a reminder.

MINIMUM AGE - If the patient is found to have this taxonomy, this minimum age will override the baseline minimum age. If this is left blank, then the baseline minimum age will apply. This provides a mechanism to change the age requirements if a taxonomy is found. (See also Age Findings, Group 7.)

MAXIMUM AGE - This can override the baseline maximum age as with the minimum age above. (See also Age Findings, Group 7.)

REMINDER FREQUENCY - This can override the baseline reminder frequency as with the minimum age above. (See also Age Findings, Group 7.)

RANK FREQUENCY - If more than one taxonomy and/or Health Factor is found for a patient and each of these has its own frequency age range set, then a question arises concerning which one to use. Rank Frequency is used to answer the question. The frequency age range set from the finding with the highest Rank Frequency will be used. (The highest rank is 1.) If no ranking information is available then the software will use the frequency age range set with the frequency that will cause the reminder to be given most often.

USE IN DATE DUE CALC - This field can have the value YES, NO, or blank. If it is YES then finding this taxonomy is equivalent to finding the target item. The most recent date for any of the coded values found in the taxonomy will be used in the Date Due calculation.

USE IN APPLY LOGIC - The field specifies how the taxonomy is to be used in the Apply Logic, see Group 9. The allowed values are AND (&), OR (!), AND NOT (&'), OR NOT (!'), and blank. When it is blank the taxonomy is not used in the Apply Logic. When it contains one of the other values, which is a logical operator, it is included in the Apply Logic preceded by the specified operator.

FOUND TEXT - This text will be returned for display by Health Summary if the taxonomy is found.

NOT FOUND TEXT - This text will be returned for display by Health Summary if the taxonomy is not found.

TAXON GENERAL FOUND TEXT - If any of the taxonomies are found then this text will be returned for display by Health Summary.

TAXON GENERAL NOT FOUND TEXT - If none of the taxonomies are found then this text will be returned for display by Health Summary.

```
^PXD(811.9,D0,6,0)=^811.911P^^ (#11) HEALTH FACTOR FINDINGS
^PXD(811.9,D0,6,D1,0)= (#.01) HEALTH FACTOR FINDINGS ITEM [1P] ^ (#1) MINIMUM
==>AGE [2N] ^ (#2) MAXIMUM AGE [3N] ^ (#3) REMINDER
==>FREQUENCY [4F] ^ (#6) RANK FREQUENCY [5N] ^ (#7) USE
==>IN DATE DUE CALC [6S] ^ (#8) USE IN APPLY LOGIC [7S] ^
^PXD(811.9,D0,6,D1,1,0)=^811.9114^^ (#4) FOUND TEXT
^PXD(811.9,D0,6,D1,1,D2,0)= (#.01) FOUND TEXT [1W] ^
^PXD(811.9,D0,6,D1,2,0)=^811.9115^^ (#5) NOT FOUND TEXT
^PXD(811.9,D0,6,D1,2,D2,0)= (#.01) NOT FOUND TEXT [1W] ^
^PXD(811.9,D0,6.1,0)=^811.9110111^^ (#11.1) HF GENERAL FOUND TEXT
^PXD(811.9,D0,6.1,D1,0)= (#.01) HF GENERAL FOUND TEXT [1W] ^
^PXD(811.9,D0,6.2,0)=^811.9110112^^ (#11.2) HF GENERAL NOT FOUND TEXT
^PXD(811.9,D0,6.2,D1,0)= (#.01) HF GENERAL NOT FOUND TEXT [1W] ^
```

HEALTH FACTOR - This is a pointer to the Health Factors file. Health factors that are associated with the reminder are included this way.

MINIMUM AGE - Just as with taxonomy, this minimum age can override the baseline minimum age if the Health Factor is found.

MAXIMUM AGE - The same as for the minimum age above.

REMINDER FREQUENCY - The same as for minimum age above.

RANK FREQUENCY - The same as for taxonomy, see Group 4.

USE IN DATE DUE CALC - The same as for taxonomy, see Group 4.

USE IN APPLY LOGIC - The same as for taxonomy, see Group 4.

FOUND TEXT - This text will be returned for display by Health Summary if the Health Factor is found.

NOT FOUND TEXT - This text will be returned for display by Health Summary if the Health Factor is not found.

HF GENERAL FOUND TEXT - If any of the health factors are found then this text will be returned for display by Health Summary.

HF GENERAL NOT FOUND TEXT - If none of the health factors are found then this text will be returned for display by Health Summary.

```
^PXD(811.9,D0,7,0)=^811.97^^ (#7) BASELINE AGE FINDINGS
^PXD(811.9,D0,7,D1,0)= (#.01) REMINDER FREQUENCY [1F] ^ (#1) MINIMUM
==>AGE [2N] ^ (#2) MAXIMUM AGE [3N] ^
^PXD(811.9,D0,7,D1,1,0)=^811.973^^ (#3) AGE MATCH TEXT
^PXD(811.9,D0,7,D1,1,D2,0)= (#.01) AGE MATCH TEXT [1W] ^
^PXD(811.9,D0,7,D1,2,0)=^811.974^^ (#4) AGE NO MATCH TEXT
^PXD(811.9,D0,7,D1,2,D2,0)= (#.01) AGE NO MATCH TEXT [1W] ^
```

Age findings provides a way to change the reminder frequency based on a patient's age. The age ranges are searched and if the patient's age lies between the minimum and maximum age these become the baseline frequency age range set. (A frequency age range set is a frequency and its associated minimum and maximum ages.) There cannot be any overlap between the age ranges because this gives rise to a conflict which cannot be resolved.

REMINDER FREQUENCY - The frequency to give the reminder. This is given as nD, nM, or nY, where D stands for days, M for months, Y for years, and n is a number. Thus, for a reminder that is to be given once a year, the values 365D, 12M, or 1Y would all work. (This format is used for all time-related entries.) There are two special reminder frequencies. The frequency 0Y means that the reminder is never to be given. This is used to create reminders that are given only to patients who have certain findings. For example the distributed VA-DIABETIC reminders are setup up so they are given only to patients who have the VA-DIABETIC taxonomy. The second special frequency is 99Y. This is used for reminders that are to be given once in a lifetime.

MINIMUM AGE - The minimum age associated with this reminder frequency.

MAXIMUM AGE - The maximum age associated with this reminder frequency.

AGE MATCH TEXT - If the patient's age lies in the specified age range, this text will be returned for display by the Health Summary.

AGE NO MATCH TEXT - If the patient's age does not lie in the specified age range, this text will be returned for display by the Health Summary.

```
^PXD(811.9,D0,9)= (#9) APPLY LOGIC [1F] ^
```

APPLY LOGIC - This specifies how the findings for a reminder are to be used in determining if the reminder is applicable for a patient. The findings consist of any combination of computed findings, health factors, and taxonomies that are included in the reminder definition.

The Apply Logic used in the reminder evaluation can be created in one of two ways. If this field is left blank then the software will create an Apply Logic string starting with a default string of (SEX)&(AGE) appending each finding that has a non-blank Use in Apply Logic entry with the specified operator. As an example consider a reminder that contains taxonomy number 28 with a Use in Apply Logic entry of &. In this case the software will create an Apply Logic string of (SEX)&(AGE)&(TF(28)).

The other alternative is to specify the Apply Logic directly in the reminder definition. When this is done the software will use whatever is in the Apply Logic field ignoring any Use in Apply Logic fields. If this alternative is used care must be taken that the Apply Logic is written so that it will evaluate to a proper Mumps (M) logical. In order to do this you need to understand how the Apply Logic is used.

The Apply Logic is based on the M Boolean logical operators, & (AND) , ! (OR) and their negations &' (AND NOT), !' (OR NOT). The & operator requires both items to be true in order to be true. The ! operator is true if either of the items is true. This is easiest to understand by looking at some examples.

Consider reminder number X which has the following taxonomy entries:

```
^PXD(811.9,X,4,1,0)=7
^PXD(811.9,X,4,2,0)=11^40^75^6M^5^^^&
```

and the following health factor entries:

```
^PXD(811.9,X,6,1,0)=4^42^^1Y
^PXD(811.9,X,6,2,0)=9
```

The default logic, which is created automatically if the Apply Logic is left blank, would be (SEX)&(AGE)&(TF(11)). SEX is evaluated if the reminder is sex-specific. It is set to true if the patient is the correct sex. If the reminder is not sex-specific, then SEX is always true. AGE is evaluated after the final frequency age range set has been established. It is set to true if the patient's age falls within the age range. If there is no age range specified for the reminder then AGE is always true. TF(11) stands for the taxonomy finding for taxonomy number 11. (Similarly HF stands for health factor finding and CF for computed finding.) Thus the default logic says that SEX, AGE, and TF(11) must all be true in order for the reminder to be applicable. Since health factors 4 and 9 have a blank Use in Apply Logic field they are not is not included in the Apply Logic and are used for information only.

If you require a more complex Apply Logic than the simple appending mechanism of the Use in Apply Logic provides then you must include the Apply Logic in the reminder definition. Some examples:

(SEX)&(AGE)&(HF(9)!(TF(7)) - the reminder is applicable if SEX and AGE and either health factor 9 or taxonomy 7 is true (found).

(SEX)&(AGE)&'(HF(9)&TF(7)) - the reminder is applicable if SEX and AGE are true and neither health factor 9 or taxonomy 7 is true.

The Reminder Inquiry option can be used to see the Apply Logic string in both the numeric form and expanded form where the number is replaced by the name of the finding. This can be used to make sure that the Apply Logic used in the reminder evaluation is actually what you think it is.

Group 10

```
^PXD(811.9,D0,10,0)=^811.9001^^ (#10) COMPUTED FINDINGS
^PXD(811.9,D0,10,D1,0)= (#.01) ROUTINE [1F] ^ (#1) MINIMUM AGE [2N] ^ (#2)
==>MAXIMUM AGE [3N] ^ (#3) REMINDER FREQUENCY [4F] ^
==>(#4) SHORT DESCRIPTION [5F] ^ (#7) RANK FREQUENCY
==>[6N] ^ (#8) USE IN DATE DUE CALC [7S] ^ (#9) USE IN
==>APPLY LOGIC [8S] ^
^PXD(811.9,D0,10,D1,1,0)=^811.90015^^ (#5) FOUND TEXT
^PXD(811.9,D0,10,D1,1,D2,0)= (#.01) FOUND TEXT [1W] ^
^PXD(811.9,D0,10,D1,2,0)=^811.90016^^ (#6) NOT FOUND TEXT
^PXD(811.9,D0,10,D1,2,D2,0)= (#.01) NOT FOUND TEXT [1W] ^
```

At this point we can see that reminder definitions are very flexible and easily customized. However, there may be cases where the requirements are not entirely met by the mechanisms described above. In these cases, computed findings can be used. Computed findings are M routines that return 1 for true and 0 for false. They can be used in the logic just like taxonomies and health factors.

ROUTINE - The name of an M routine that will be executed. For obvious reasons, only an experienced M programmer should attempt to create a computed factor routine. Programming details are given in the section Writing a Computed Finding Routine. This entry is specified in the form ENTRYPOINT;ROUTINE.

MINIMUM AGE - This is the minimum age associated with the computed finding routine and can be used to override the baseline minimum age.

MAXIMUM AGE - This is the maximum age associated with the computed finding routine and can be used to override the baseline maximum age.

REMINDER FREQUENCY - This is the reminder frequency associated with the computed finding routine and can be used to override the baseline reminder frequency.

SHORT DESCRIPTION - This field can be used to contain a short description of what the Computed Finding does.

RANK FREQUENCY - The same as for taxonomies, see Group 4.

USE IN DATE DUE CALC - The same as for taxonomies, see Group 4.

USE IN APPLY LOGIC - The same as for taxonomies, see Group 4.

How is the final frequency age range set determined?

As we have seen, there can be a minimum age, maximum age, and frequency associated with computed findings, health factors, and taxonomies that can override the baseline values. The question is: How is the final set determined?

The baseline values are set from the data in Group 7. The age range in which the patient's age falls sets the minimum age, maximum age, and frequency. Leaving a minimum age blank means that there is no minimum age for the reminder; therefore, the patient will always meet the minimum age requirement. The same holds true for maximum age.

Frequency is a different matter since a frequency is required to determine if a reminder is due. A special frequency of 0Y means that FOUND, NOT FOUND TEXT can be displayed, but the reminder can never come up as due, based on the finding associated with the 0Y frequency. Only those findings with a frequency greater than 0 can be used in the date due calculation. A frequency of 99Y can be used for reminders that are due once in a lifetime.

Each taxonomy, health factor, or computed finding can have an associated frequency age range set. If the finding is true¾i.e., the patient has the taxonomy, health factor, etc.¾ the frequency age range set associated with the finding can override the baseline values. Generally this is done to widen the coverage of the reminder. For example, the VA-INFLUENZA IMMUNIZATION is given once a year to patients 65 and over. The baseline frequency age range set has a minimum age of 65, no maximum age, and a frequency of 1Y. The VA-HIGH RISK FOR FLU/PNEUMONIA taxonomy has no minimum age, maximum age, and a frequency of 1Y. Thus, for patients who have this taxonomy, the baseline frequency age range set is overridden and the reminder is applicable for all ages.

Rank Frequency field

In the case when there is more than one true finding and each has a frequency age range set, a method is needed to determine which one to use. The Rank Frequency field was added to meet this need. The frequency age range set with the highest rank (1 being the highest) will be used. If there are no Rank Frequency values available, then the frequency age range set that will cause the reminder to be given most often will be used. For example, if one frequency was 1Y and the other 6M, then 6M would be used since the reminder would be given every six months instead of once a year.

Writing a Computed Finding Routine

A computed finding routine can be used in those cases when the general reminder logic does not provide the required functionality. Computed finding routines should be written as functions that return 1 for true and 0 for false. An example has been provided with the VA-NUTRITION/OBESITY EDUCATION reminder. The computed finding routine is PXRMOBES with entry point OBESE. This function looks up the patient's most recent height and weight measurements and then calculates the body mass index. If the BMI is greater than 27 it returns 1, meaning the patient is considered obese.

In addition to returning true or false, these functions may set INFO nodes of the working array ^TMP("PXRM",$J,"WA"). The information nodes have the format

```
^TMP("PXRM",$J,"WA","INFO",PXRMITEM,RNAME,DESCRIPTION)=TEXT
```

DESCRIPTION describes the type of information and TEXT is the information. TEXT will be displayed by the Clinical Maintenance Component of Health Summary. The routine should set DESCRIPTION and TEXT. The other indices are already defined.

In PXRMOBES the INFO nodes are used to return information such as no height or weight measurement available or to return the calculated value of the BMI.

Applicable Menu Options

The following menu options can be used to customize and develop new reminders:

PXRM Reminder Copy,
PXRM Reminder Edit,
PXRM Taxonomy Copy,
PXRM Taxonomy Edit,
PXRM Reminder Test.

The easiest way to create a new reminder is to copy an existing one and then edit it. Reminders that are distributed with PCE all begin with VA-. These are intended for national distribution and cannot be edited by a site. When a reminder is copied the user is prompted for a new unique name. A site cannot use the VA- prefix in their reminder names.

PXRM REMINDER TEST

Before a new or modified reminder is put into production it should be thoroughly checked. The Reminder Test option provides a convenient tool that can be used as an aid in setting up new reminders and tracking down problems with existing ones. It lets a reminder be run without going through Health Summary.

To get the most out of using this option you should be familiar with setting up a reminder. This is explained in the Clinical Reminders portions of the PCE User Manual. Relevant sections include Chapter 10 and Appendix A.

When this option is executed, it prompts the user for a patient and then a reminder.

Sample output:

```
Select OPTION NAME: PXRM REMINDER TEST Reminder Test
Select Patient: PCEPATIENT,ONE 04-01-44 000456789 YES SC VETERAN
Select Reminder: VA-DIABETIC FOOT EXAM
The elements of the ^TMP("PXRM",$J,"DISC") array are:
^TMP("PXRM",$J,"DISC","1")=The following disease screening, immunization and patient
education^TMP("PXRM",$J,"DISC","2")=recommendations are offered as guidelines to
assist in your practice.
^TMP("PXRM",$J,"DISC","3")=These are only recommendations, not practice standards.
The^TMP("PXRM",$J,"DISC","4")=appropriate utilization of these for your individual
patient must be^TMP("PXRM",$J,"DISC","5")=based on clinical judgment and the
patient's current status.
The elements of the ^TMP("PXRM",$J,"WA") array are:
^TMP("PXRM",$J,"WA","DUE","43","Diabetic Foot Exam")=No Diabetic Foot Exam on
record^2970304
^TMP("PXRM",$J,"WA","ICD9PROB","28","CODE")=250.01
^TMP("PXRM",$J,"WA","ICD9PROB","28","DATE")=2960926
^TMP("PXRM",$J,"WA","ICD9PROB","28","ICD9IEN")=851
^TMP("PXRM",$J,"WA","ICD9PROB","28","PN")=DIABETES MELLI W/0 COMP TYP I
^TMP("PXRM",$J,"WA","ICD9VPOV","28","CODE")=250.13
^TMP("PXRM",$J,"WA","ICD9VPOV","28","DATE")=2960918.09
^TMP("PXRM",$J,"WA","ICD9VPOV","28","ICD9IEN")=12830
^TMP("PXRM",$J,"WA","ICD9VPOV","28","MOD")=
^TMP("PXRM",$J,"WA","ICD9VPOV","28","PN")=DIABETES W/ KETOACIDOSIS,TYPE
I[IDDM][JUVENILE TYPE],UNCONTROLLED
^TMP("PXRM",$J,"WA","INFO","43","Diabetic Foot Exam","VA-DIABETES_FOUNDB")=Complete
foot exam required annually for all diabetic patients.
^TMP("PXRM",$J,"WA","INFO","43","Diabetic Foot Exam","zFREQARNG")=Final Frequency
and Age Range used: 1 year for all ages.
^TMP("PXRM",$J,"WA","LOGIC")=1^(SEX)&(AGE)&(TF(28))^(1)&(1)&(1)
^TMP("PXRM",$J,"WA","RANK","0","365.04","0","0")=TFIND^28
The elements of the ^TMP("PXRHM",$J) array are:
^TMP("PXRHM",$J,"43","Diabetic Foot Exam")=DUE NOW^2970304^unknown
^TMP("PXRHM",$J,"43","Diabetic Foot Exam","TXT","1")=9/26/96 Problem Diagnosis:
250.01-DIABETES MELLI W/0 COMP TYP I^TMP("PXRHM",$J,"43","Diabetic Foot
Exam","TXT","2")=9/18/96 Encounter Diagnosis: 250.13-DIABETES W/KETOACID. TYPE I
^TMP("PXRHM",$J,"43","Diabetic Foot Exam","TXT","3")=Complete foot exam required
annually for all diabetic patients.^TMP("PXRHM",$J,"43","Diabetic Foot
Exam","TXT","4")=Final Frequency and Age Range used: 1 year for all ages.

Press RETURN to continue...
```

The output from this option provides a view of the internal workings of the clinical reminders software and allows you to see what happened as the reminder was evaluated. Errors and warnings that are not always seen on the Health Summary are displayed here. When setting up a reminder, it's a good idea to have test patients with known clinical data such as examinations, immunizations, ICDs, CPTs, etc., that are pertinent to the reminder being developed. Using this option to run the reminder for test patients allows you to see if the reminder operates as expected.

Found and Not Found Text can be included in a number of places in the reminder definition. An example is taxonomies. The Found Text will be displayed if the taxonomy is found and the Not Found Text will be displayed if the taxonomy is not found. This text is optional and should only be included if you want something displayed.

The text should be chosen with care because it can give misleading information within the total context of the findings. For example, consider a skin test reminder. The reminders software searches the V Skin Test file and for a coded value if there is a taxonomy. Confusion could arise if the taxonomy Not Found Text was "No skin test found" and the reminders found an entry in the V Skin Test File but no match on the taxonomy. The Health Summary would show the date of the skin test and the message "No skin test found." A less confusing Not Found Text would be "No CPT for skin test found." You should review your output to make sure that it makes sense.

Output Explanations

An explanation of each piece of the [PXRM REMINDER TEST] output follows. This explanation assumes that you are familiar with the various elements that comprise a reminder definition.

Example 1

```
The elements of the ^TMP("PXRM",$J,"DISC") array are:
^TMP("PXRM",$J,"DISC","1")=The following disease screening, immunization and
patient education^TMP("PXRM",$J,"DISC","2")=recommendations are offered as
guidelines to assist in your practice. ^TMP("PXRM",$J,"DISC","3")=These are
only recommendations, not practice standards.
The^TMP("PXRM",$J,"DISC","4")=appropriate utilization of these for your
individual patient must be ^TMP("PXRM",$J,"DISC","5")=based on clinical
judgment and the patient's current status.
```

^TMP("PXRM",$J,"DISC") is a formatted array containing the disclaimer that is displayed at the beginning of the Clinical Maintenance or Clinical Reminders component of Health Summary.

^TMP("PXRM",$J,"WA") is the working array used by the reminders software to store data during processing. Examining this array provides detailed information about what was found or not found during the reminder evaluation. The first three subscripts "PXRM",$J,"WA" can be ignored, they just provide a unique storage area in the computer's memory. The remaining subscripts do contain useful information. The entries seen in ^TMP("PXRM",$J,"WA", reflect what was found when the reminder was evaluated for a specific patient. Therefore the subscripts seen and the order they appear will vary.

```
^TMP("PXRM",$J,"WA","DUE","43","Diabetic Foot Exam")=No Diabetic Foot Exam
on record^2970304
```

The "DUE" subscript tells us the reminder is due, 43 is the reminder internal entry number, and "Diabetic Foot Exam" is the name of the reminder. The text on the right side of the equal sign tells us that no past diabetic foot exam was found and the second piece is the date the reminder was run and will appear on the Health Summary as the date due, i.e., the reminder is due on 3/4/97.

```
^TMP("PXRM",$J,"WA","ICD9PROB","28","CODE")=250.01
^TMP("PXRM",$J,"WA","ICD9PROB","28","DATE")=2960926
^TMP("PXRM",$J,"WA","ICD9PROB","28","ICD9IEN")=851
^TMP("PXRM",$J,"WA","ICD9PROB","28","PN")=DIABETES MELLI W/0 COMP TYP I
```

This group of lines tells us that an ICD9 entry was found in the Problem List. (Other file abbreviations for ICD9 entries are DGPT (Patient Treatment File), and VPOV (V Purpose of Visit File)). The taxonomy containing this code was number 28. The ICD9 code is 250.01, the date in FileMan format is 2960926, the ICD9 internal entry is 851 and the provider narrative is "DIABETES MELLI W/O COMP TYP I".

```
^TMP("PXRM",$J,"WA","ICD9VPOV","28","CODE")=250.13
^TMP("PXRM",$J,"WA","ICD9VPOV","28","DATE")=2960918.09
^TMP("PXRM",$J,"WA","ICD9VPOV","28","ICD9IEN")=12830
^TMP("PXRM",$J,"WA","ICD9VPOV","28","MOD")=
^TMP("PXRM",$J,"WA","ICD9VPOV","28","PN")=DIABETES W/ KETOACIDOSIS,TYPE
I[IDDM][JUVENILE TYPE],UNCONTROLLED
```

This group of lines tells us that an ICD9 entry was found in the V Purpose of Visit file. The other entries are the same as in the previous group.

```
^TMP("PXRM",$J,"WA","INFO","43","Diabetic Foot Exam","VA-
DIABETES_FOUNDB")=Complete foot exam required annually for all diabetic
patients.
```

This is the Found Text array as defined in the reminder. In this case the Found Text comes from taxonomy 28, "VA-DIABETES".

```
^TMP("PXRM",$J,"WA","INFO","43","Diabetic Foot Exam","zFREQARNG")=Final
Frequency and Age Range used: 1 year for all ages.
```

This line tells us the final frequency and age range used in the date due calculation.

```
^TMP("PXRM",$J,"WA","LOGIC")=1^(SEX)&(AGE)&(TF(28))^(1)&(1)&(1)
```

This line is one of the most important in the output. It gives all the information concerning the APPLY LOGIC. There are three pieces separated by ^. The second piece is the APPLY LOGIC string used to determine if the reminder should be given. In order for the reminder to be given, SEX, AGE, and taxonomy finding 28, TF(28), all have to be true. In this case, the taxonomy finding was true because one of the codes in the taxonomy was found in the patient's clinical data. The third piece shows us the outcome of the finding evaluation; in this example they are all true. (True is represented by 1 and false by 0.) The first piece is the logical evaluation of the third piece. In this case, the APPLY LOGIC evaluates to true, so the reminder will be given. When the APPLY LOGIC evaluates to false, the reminder is Not Applicable, N/A.

```
^TMP("PXRM",$J,"WA","RANK","0","365.04","0","0")=TFIND^28
```

This line gives information about the ranking process used to determine the final frequency age range set. The subscript immediately following "RANK" is the rank value. When no rank value has been defined in the reminder, the value will be "0". For this example, there is no "rank" so we determine the frequency age range set to use based on the frequency which causes the reminder to be given the most often. The "365.04" is the conversion of the final frequency, one year (1Y) to days. The smallest value of frequency in days is the one that will cause the reminder to be given most often. The two subscripts following the frequency correspond to minimum age and maximum age. A value of "0" for these subscripts has special significance -- it means that there is no minimum or no maximum age. The value on the right side of the equal sign indicates that this frequency came from a taxonomy finding (TFIND) and the internal entry number of the taxonomy was 28.

```
The elements of the ^TMP("PXRHM",$J) array are:
^TMP("PXRHM",$J,"43","Diabetic Foot Exam")=DUE NOW^2970304^unknown
^TMP("PXRHM",$J,"43","Diabetic Foot Exam","TXT","1")=9/26/96 Problem
Diagnosis: 250.01-DIABETES MELLI W/0 COMP TYP
I^TMP("PXRHM",$J,"43","Diabetic Foot Exam","TXT","2")=9/18/96 Encounter
Diagnosis: 250.13-DIABETES W/KETOACID. TYPE I
^TMP("PXRHM",$J,"43","Diabetic Foot Exam","TXT","3")=Complete foot exam
required annually for all diabetic patients.^TMP("PXRHM",$J,"43","Diabetic
Foot Exam","TXT","4")=Final Frequency and Age Range used: 1 year for all
ages.
```

The ^TMP("PXRHM",$J) array is the final information that is passed to Health Summary for display. The output in the Health Summary will reformat the date into an external format, display it, and then display the text lines.

Example 2

```
Select Patient: PCEPATIENT,ONE 04-01-44 000456789 YES SC
VETERAN
Select Reminder: VA-MAMMOGRAM
```

This is our input to the option.

```
The elements of the ^TMP("PXRM",$J,"DISC") array are:
^TMP("PXRM",$J,"DISC","1")=The following disease screening, immunization and
patient education ^TMP("PXRM",$J,"DISC","2")=recommendations are offered as
guidelines to assist in your practice. ^TMP("PXRM",$J,"DISC","3")=These are
only recommendations, not practice standards. The
^TMP("PXRM",$J,"DISC","4")= appropriate utilization of these for your
individual patient must be ^TMP("PXRM",$J,"DISC","5")=based on clinical
judgment and the patient's current status.
```

This is the reminder disclaimer.

```
The elements of the ^TMP("PXRM",$J,"WA") array are:
^TMP("PXRM",$J,"WA","AF_FNF","2")=AF 2 FOUND
```

The "AF_FNF" subscript corresponds to Age Finding Found Not Found information.
There was a match between the patient's age and Baseline Age Finding number 2.

```
^TMP("PXRM",$J,"WA","HF","43","DATE")=2960429
^TMP("PXRM",$J,"WA","HF","43","FREQ")=
^TMP("PXRM",$J,"WA","HF","43","MAXAGE")=
^TMP("PXRM",$J,"WA","HF","43","MINAGE")=
```

This group of lines provides Health Factor information. The Health Factor with
internal entry number 43 was found and the date was 2960429. There was no
frequency or age range associated with this Health Factor.

```
^TMP("PXRM",$J,"WA","ICPT","16","CODE")=76092
^TMP("PXRM",$J,"WA","ICPT","16","DATE")=2970221.142333
^TMP("PXRM",$J,"WA","ICPT","16","ICPTIEN")=76092
^TMP("PXRM",$J,"WA","ICPT","16","PN")=MAMM0GRAM, SCREENING
^TMP("PXRM",$J,"WA","ICPT","16","SNAME")=MAMM0GRAM, SCREENING
```

This group of lines tells us that CPT information was found. The CPT code was
76092 and it came from taxonomy 16. The date was 2970221, the CPT file internal
entry number was 76092, the provider narrative from the V CPT file was
"MAMMOGRAM, SCREENING," and the CPT short name from the CPT file was
"MAMMOGRAM, SCREENING."

```
^TMP("PXRM",$J,"WA","INFO","19","Mammogram","AF 2 FOUNDB")=Women ages 50-69
should receive a mammogram every two years.
```

This is Found Text for the Age Finding 2 defined in the reminder.

```
^TMP("PXRM",$J,"WA","INFO","19","Mammogram","HFC1")=Health Factor comments:
Activate health factor comments
```

This is a Health Factor comment from the patient's V Health Factor findings.

```
^TMP("PXRM",$J,"WA","INFO","19","Mammogram","VA-BREAST TUMOR NOT_FOUNDB")=No
history of breast cancer/tumor on file.
```

This is Not Found Text for taxonomy 19.

```
^TMP("PXRM",$J,"WA","INFO","19","Mammogram","WARNING","TAX")=Taxonomy 18
entry V10.3^V10.3 does not have a source file, assuming file 80.
```

This is warning information and it will not be displayed on the Health Summary. The text is self-explanatory once you remember that a taxonomy entry requires a low coded value, a high coded value, and a source file.

This entry in taxonomy 18 has a low coded value of V10.3, a high coded value of V10.3 and the source file is missing. To process the reminder a source file is required. In order to continue, the reminder's logic assumes that it is file 80, the ICD diagnosis file. If you really wanted the CPT or ICD operation/procedures file then you should change the taxonomy.

Some other warnings you might see:

"Warning no reminder frequency, cannot calculate date due!"
This means the reminders software was not able to establish a frequency. Most likely, it was left out of the Baseline Age Findings.

"Warning no do in advance time"
There was no do in advance time in the reminder definition, the reminders software will use 0 in the date due calculation.

```
^TMP("PXRM",$J,"WA","INFO","19","Mammogram","zFREQARNG")=Final Frequency and
Age Range used: 2 years for ages 50 to 69.
```

This is the final frequency and age range information used in the date due calculation. This comes from the rank and frequency evaluation discussed above.

```
^TMP("PXRM",$J,"WA","LOGIC")=1^(SEX)&(AGE)&'(HF(42))^(1)&(1)&'(0)
```

This is the APPLY LOGIC string and provides an example of how the INACTIVATE Health Factors work. The INACTIVATE Health Factor for this reminder is HF(42) so the logical operator is &'. We can see this reminder has not been inactivated for this patient because HF(42) is false. SEX and AGE are true, so the entire APPLY LOGIC string evaluates to true; therefore the reminder will be given.

```
^TMP("PXRM",$J,"WA","NOTDUE","19","Mammogram")=Mammogram due
on^2990221.142333^2970221.142333
```

This tells that the reminder is not due. It is due on 2990221 and was last given on 2970221.

```
^TMP("PXRM",$J,"WA","RAD","436","CPT")=76091
^TMP("PXRM",$J,"WA","RAD","436","DATE")=2960826
^TMP("PXRM",$J,"WA","RAD","436","NAME")=MAMMOGRAM BILAT
^TMP("PXRM",$J,"WA","RAD","436","SNAME")=MAMMOGRAM, BOTH BREASTS
```

These lines tell us that radiology information was found. The number 436 is the radiology procedure pointer. The CPT code is 76091, the date of the procedure is 2960826, the name of the radiology procedure is "MAMMOGRAM BILAT," and the CPT short name is "MAMMOGRAM, BOTH BREASTS."

```
^TMP("PXRM",$J,"WA","RDATE","2970221.142333")=TFDATE^16
```

This line tells that the date used in the date due calculation was 2970221 and that it came from a taxonomy finding for taxonomy number 16. Notice that this date is more recent than the date of the radiology procedure. This is an example of how the Use in Date Due Calc field works.

```
The elements of the ^TMP("PXRHM",$J) array are:
^TMP("PXRHM",$J,"19","Mammogram")=^2990221.142333^2970221.142333
^TMP("PXRHM",$J,"19","Mammogram","TXT","1")=4/29/96 Health Factor: ACTIVATE
BREAST CANCER SCREEN
^TMP("PXRHM",$J,"19","Mammogram","TXT","2")=2/21/97 Encounter Procedure:
76092-MAMM0GRAM, SCREENING
^TMP("PXRHM",$J,"19","Mammogram","TXT","3")=Women ages 50-69 should receive
a mammogram every two years.
^TMP("PXRHM",$J,"19","Mammogram","TXT","4")=Health Factor comments: Activate
health factor comments
^TMP("PXRHM",$J,"19","Mammogram","TXT","5")=No history of breast
cancer/tumor on file. ^TMP("PXRHM",$J,"19","Mammogram","TXT","6")=Final
Frequency and Age Range used: 2 years for ages 50 to 69.
^TMP("PXRHM",$J,"19","Mammogram","TXT","7")=8/26/96
Radiology Procedure: 76091-MAMMOGRAM, BOTH BREASTS; MAMMOGRAM
^TMP("PXRHM",$J,"19","Mammogram","TXT","8")=BILAT
```

Finally, this is the information as it is returned to Health Summary.

Appendix A-8   Distributed Reminder Definitions

VA-*BREAST CANCER SCREEN

Reminder Type: PROCEDURE

Print Name: Breast Cancer Screen

Related VA-* Reminder: VA-*BREAST CANCER SCREEN

Reminder Description:
   Mammogram should be given every 2 years to female patients, ages 50-69.

   The "VA-*Breast Cancer Screen" reminder is based on the following "Breast
   Cancer Detection" guidelines specified in the VHA HANDBOOK 1101.8,
   APPENDIX A.

          Target Condition: Early detection of breast cancer.

          Target Group: All women ages 50-69.

          Recommendation: All women ages 50-69 should receive a mammogram
                            every two years.

          Goals for FY2000: At least 60% of women ages 50-69 have received a
                            mammogram within the preceding two years.

Technical Description:
   The findings for mammogram screening are based on defining CPT codes and
   V-codes from the ICD Diagnosis file that represent mammograms and
   mammogram screening in a taxonomy for Mammogram/Screen. The CPT codes
   are used to search the Radiology procedures in the Radiology package, as
   well as checks for existence of a CPT code in the V CPT file. The
   V-codes are used to search the Problem List, V POV (problems of visits),
   and Inpatient Diagnosis PTF files.

   The reminder will be "DUE NOW" until a procedure or diagnosis (V-code) is
   documented to reflect a mammogram/screening done at a current encounter
   or a historical encounter within the past two years.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
                Sex Specific: FEMALE
              Ignore on N/A: S

   Frequency for Age Range: 2 years for ages 50 to 69
                Match Text: All women ages 50-69 should receive a mammogram
                            every two years.

             No Match Text:
Targeted Result Findings for PROCEDURE reminder type:

```
Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                 Taxonomy: VA-MAMMOGRAM/SCREEN (TF(16))
           Match freq/age: 2 years for ages 50 to 69
           Rank Frequency:
     Use in Date Due Calc: YES
        Use in Apply Logic:
               Match Text: History of mammogram/screen on file.
            No Match Text: Date of last mammogram/screen unknown.

         General Match Text:
      General No Match Text:


2 Health Factor Findings:

            Health Factor: INACTIVATE BREAST CANCER SCREEN (HF(42))
           Match Freq/Age: 0Y - Not Indicated for all ages
           Rank Frequency:
     Use in Date Due Calc:
        Use in Apply Logic: AND NOT
               Match Text:
            No Match Text:

            Health Factor: ACTIVATE BREAST CANCER SCREEN (HF(43))
           Match Freq/Age:
           Rank Frequency:
     Use in Date Due Calc:
        Use in Apply Logic:
               Match Text:
            No Match Text:

         General Match Text:
      General No Match Text:

3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(42))

  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(INACTIVATE BREAST CANCER SCREEN))
```

VA-*CERVICAL CANCER SCREEN

Reminder Type: PROCEDURE

Print Name: Pap Smear

Related VA-* Reminder: VA-*CERVICAL CANCER SCREEN

Reminder Description:

    This reminder is based on the "Cervical Cancer Detection" guidelines

Appendix A-8 Distributed Reminder Definitions

    specified in the VHA HANDBOOK 1101.8, APPENDIX A.

Target Condition: Early detection of cervical cancer.

Target Group: Women age 65 and under.

Recommendation: Papanicolaou (Pap) smear testing is recommended for
all sexually active women every three years until age 65. Pap
testing
may be discontinued after age 65 if previous smears have been
consistently normal.

Goal for FY 2000: 95% of women have received at least one Pap test
in
their lifetime and 85% of women age 65 and under received one in the
past three years.

Technical Description:
    Copy the reminder to a new reminder for your local site modifications.

Target Groups - Baseline:
    Do In Advance Time Frame: Wait until actually DUE
                Sex Specific: FEMALE
                Ignore on N/A: S

    Frequency for Age Range: 3 years for ages 65 and younger
                  Match Text: Women ages 65 and younger should receive a
                              cervical cancer screen every 3 years.
              No Match Text: Pap smear screen not indicated for women over
65.

Targeted Result Findings for PROCEDURE reminder type:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                    Taxonomy: VA-CERVICAL CANCER SCREEN (TF(30))
            Match freq/age:
            Rank Frequency:
      Use in Date Due Calc: YES
        Use in Apply Logic:
                  Match Text:
              No Match Text: No record of cervical cancer screen taxonomy on
                              file

        General Match Text:
    General No Match Text:

    2 Health Factor Findings:

            Health Factor: INACTIVATE CERVIX CANCER SCREEN (HF(44))
            Match Freq/Age: 0Y - Not Indicated for all ages
            Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic: AND NOT
                  Match Text:
              No Match Text:

            Health Factor: ACTIVATE CERVIX CANCER SCREEN (HF(47))

```
      Match Freq/Age:
     Rank Frequency:
 Use in Date Due Calc:
   Use in Apply Logic:
           Match Text:
        No Match Text:
```

```
        General Match Text:
      General No Match Text:


3 Computed Findings:


Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(44))

  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(INACTIVATE CERVIX CANCER SCREEN))
```

VA-*CHOLESTEROL SCREEN (F)
```
-----------------------------------

Reminder Type:                LABORATORY TEST

Print Name:                   Cholesterol Screen (Female)

Related VA-*                  Reminder: VA-*CHOLESTEROL SCREEN (F)

Reminder Description:
    This Cholesterol screen reminder for females is based on the following
    "Hyperlipidemia Detection" guidelines specified in the "VHA HANDBOOK
    1101.8, APPENDIX A.

        Target Conditions: Cardiovascular Disease.

        Target Group: Females 45-65.

        Recommendation: Check total cholesterol level within the past
        five years.

        Goal for FY 2000: 75% of females ages 45-65 Primary Care clinic
        patients have had a blood cholesterol level check within the past
        five years.

Technical Description:
    As distributed, this reminder is based on CPT codes which represent
    cholesterol tests the patient has had documented in PCE. These may be
    CPT codes for cholesterol done by the Laboratory Service, or a historical
    encounter documented to show when the cholesterol test was last given to
    the patient.

    Copy this reminder to a new reminder for your site. Add the Laboratory
    Tests that represent a cholesterol level check in the Result Findings
    multiple.

    PLEASE NOTE: Your local version of this reminder will include the search
    based on the local ancillary Lab package results, it is possible that 5
    years' worth of patient lab history are not on record.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 3 months
               Sex Specific: FEMALE
             Ignore on N/A: S
```

```
      Frequency for Age Range: 5 years for ages 45 to 65
                    Match Text: Check total cholesterol every 5 years for women
                                ages 45-65.
                 No Match Text: Cholesterol not indicated for women under 45,
                                or over 65.


Targeted Result Findings for LABORATORY TEST reminder type:
   LABORATORY TEST

  Target Result Match Text:
         No Match Text LAB: Date of last cholesterol test unknown.


Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                       Taxonomy: VA-CHOLESTEROL (TF(24))
              Match freq/age:
              Rank Frequency:
        Use in Date Due Calc: YES
          Use in Apply Logic:
                  Match Text:
               No Match Text:


          General Match Text:
       General No Match Text:


    2 Health Factor Findings:

                 Health Factor: INACTIVATE CHOLESTEROL SCREEN (HF(48))
               Match Freq/Age: 0Y - Not Indicated for all ages
               Rank Frequency:
          Use in Date Due Calc:
            Use in Apply Logic: AND NOT
                   Match Text:
                No Match Text:

                 Health Factor: ACTIVATE CHOLESTEROL SCREEN (HF(46))
               Match Freq/Age:
               Rank Frequency:
          Use in Date Due Calc:
            Use in Apply Logic:
                   Match Text:
                No Match Text:


          General Match Text:
       General No Match Text:


    3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(48))


  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(INACTIVATE CHOLESTEROL SCREEN))
```

VA-*CHOLESTEROL SCREEN (M)

Reminder Type: LABORATORY TEST

Print Name: Cholesterol Screen (Male)

Related VA-* Reminder: VA-*CHOLESTEROL SCREEN (M)

Reminder Description:
    This Cholesterol screen reminder for males is based on the following
    "Hyperlipidemia Detection" guidelines specified in the VHA HANDBOOK
    1101.8, APPENDIX A.

        Target Conditions: Cardiovascular Disease.

        Target Group: Males ages 35-65.

        Recommendation: Check total cholesterol level within the past
        five years.

        Goal for FY 2000: 75% of males ages 35-65 Primary Care clinic
        patients have had a blood cholesterol level check within the past
        five years.

Technical Description:
    As distributed, this reminder is based on CPT codes which represent
    cholesterol tests the patient has had documented in PCE. These may be
    CPT codes for cholesterol done by the Laboratory Service, or a historical
    encounter documented to show when the cholesterol test was last given to
    the patient.

    Copy this reminder to a new reminder for your site. Add the Laboratory
    Tests that represent a cholesterol level check in the Result Findings
    multiple.

PLEASE NOTE: Your local version of this reminder will include the search
based on the local ancillary Lab package results, it is possible that 5
years' worth of patient lab history are not on record.

Target Groups - Baseline:
    Do In Advance Time Frame: Do if DUE within 3 months
                 Sex Specific: MALE
               Ignore on N/A: S

     Frequency for Age Range: 5 years for ages 35 to 65
                  Match Text: Check total cholesterol every 5 years for men
                              ages 35-65.

                No Match Text:

Targeted Result Findings for LABORATORY TEST reminder type:
    LABORATORY TEST

  Target Result Match Text:
           No Match Text: LAB: Date of last cholesterol test unknown.

```
Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                   Taxonomy: VA-CHOLESTEROL (TF(24))
            Match freq/age:
            Rank Frequency:
      Use in Date Due Calc: YES
        Use in Apply Logic:
                 Match Text:
              No Match Text:

         General Match Text:
      General No Match Text:


    2 Health Factor Findings:

             Health Factor: INACTIVATE CHOLESTEROL SCREEN (HF(48))
            Match Freq/Age: 0Y - Not Indicated for all ages
            Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic: AND NOT
                 Match Text:
              No Match Text:

             Health Factor: ACTIVATE CHOLESTEROL SCREEN (HF(46))
            Match Freq/Age:
            Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic:
                 Match Text:
              No Match Text:

         General Match Text:
      General No Match Text:


    3 Computed Findings:
Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(48))

  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(INACTIVATE CHOLESTEROL SCREEN))
```

VA-*COLORECTAL CANCER SCREEN (FOBT)

```
Reminder Type:                  EXAMINATION

Print Name:                     Fecal Occult Blood Test

Related VA-* Reminder:          VA-*COLORECTAL CANCER SCREEN (FOBT)

Reminder Description:
   Fecal occult blood test due every year for patients ages 50 and older, or
   5 years after the last Sigmoidoscopy. The 5 years is a conservative
   period recommended by a blue ribbon panel publishing their findings in
```

the February 1997 issue of "Gastroenterology" magazine.

This VA-*COLORECTAL CANCER SCREEN - FOBT reminder is based on the "Colorectal Cancer Detection" guidelines specified in the VHA HANDBOOK 1101.8, APPENDIX A.

Target Condition: Early detection of colon cancer or its predecessors.

Target Group: All persons ages 50 and older.

Recommendation: All persons age 50 and older should receive an annual fecal occult blood test or undergo a sigmoidoscopy examination (periodicity unspecified).

Goals for FY 2000: For persons age 50 and older: 50 percent of those enrolled in primary care clinics have received fecal occult blood testing within the preceding year and 40 percent have received at least one proctosigmoidoscopy examination in their lifetime.

Technical Description:
This reminder is based on Taxonomy Findings from FOBT, "or" SIG cancer screening, "and" FOBT exam results recorded from a clinic encounter as an EXAM. See the definition for VA-*COLORECTAL CANCER SCREEN (SIG.) also. These two reminders work together for assessing cancer screening.

The FOBT is due annually, unless a SIG is found. The SIG found changes the frequency to due once in a lifetime (99Y) according to the M-2 document, but a more conservative approach is encouraged by the National Center for Health Promotion to use 5 years (5Y). The SIG found changes the frequency to due every 5 years for patients 50 and older (note the rank of 2). After a SIG has been received by the patient, if the clinician determines the FOBT should be given to this patient again annually, the FOBT can be activated again by entering the Health Factor "ACTIVATE FOBT CANCER SCREEN" for the patient (Note the rank of 1).

Check the Taxonomy Findings entries representing Fecal Occult Blood Test and VA-FLEXISIGMOIDOSCOPY. The taxonomies represent coded standard entries in the CPT file and ICD Operation/Procedure file. If one of these taxonomies need modification, copy the taxonomy to a new taxonomy for your site, and make the appropriate modifications. THAN, copy the reminder to a new reminder to add your local sites modifications.

This reminder cannot make use of the Laboratory package data at this time because the Occult Blood results are Microbiology tests that do not reflect the Laboratory Test done, or the related CPT code.

Target Groups - Baseline:
Do In Advance Time Frame: Do if DUE within 1 month
              Sex Specific:
             Ignore on N/A:

  Frequency for Age Range: 1 year for ages 50 and older
                Match Text:
             No Match Text:

Targeted Result Findings for EXAMINATION reminder type:
    EXAM
        FOBT(CLINIC)

```
Target Result Match Text:
          No Match Text:
```

```
Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                 Taxonomy: VA-FOBT (TF(27))
           Match freq/age:
           Rank Frequency:
     Use in Date Due Calc: YES
       Use in Apply Logic:
               Match Text:
            No Match Text:

                 Taxonomy: VA-FLEXISIGMOIDOSCOPY (TF(15))
           Match freq/age: 5 years for ages 50 and older
           Rank Frequency: 2
     Use in Date Due Calc: YES
       Use in Apply Logic:
               Match Text: FOBT due 5 years after the last sigmoidoscopy.
            No Match Text:

                 Taxonomy: VA-COLORECTAL CANCER SCREEN (TF(31))
           Match freq/age:
           Rank Frequency:
     Use in Date Due Calc:
       Use in Apply Logic:
               Match Text:
            No Match Text:

        General Match Text:
     General No Match Text: Date of last FOBT or SIG, unknown.


    2 Health Factor Findings:

             Health Factor: INACTIVATE FOBT CANCER SCREEN (HF(49))
           Match Freq/Age:
           Rank Frequency:
     Use in Date Due Calc:
       Use in Apply Logic: AND NOT
               Match Text:
            No Match Text:

             Health Factor: ACTIVATE FOBT CANCER SCREEN (HF(50))
           Match Freq/Age: 1 year for ages 50 and older
           Rank Frequency: 1
     Use in Date Due Calc:
       Use in Apply Logic:
               Match Text:
            No Match Text:

        General Match Text:
     General No Match Text:


    3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(49))

  Expanded Apply Logic:
```

```
(SEX)&(AGE)&'(HF(INACTIVATE FOBT CANCER SCREEN))
```

VA-*COLORECTAL CANCER SCREEN (SIG.)

Reminder Type: EXAMINATION

Print Name: Flexisigmoidoscopy

Related VA-* Reminder: VA-*COLORECTAL CANCER SCREEN (SIG.)

Reminder Description:
   At least one sigmoidoscopy examination in their lifetime for patients age
   50 and older, or a fecal occult blood test yearly. This reminder uses 5
   years, rather than 99Y for "ONCE" as originally published in the VA
   Guidelines. The 5 years is a conservative period recommended by a blue
   ribbon panel publishing their findings in the February 1997 issue of
   "Gastroenterology" magazine.

   This reminder is based on the "Colorectal Cancer Detection" guidelines
   specified in the VHA HANDBOOK, APPENDIX A.

      Target Condition: Early detection of colon cancer or its predecessors.

      Target Group: All persons ages 50 and older.

      Recommendation: All persons age 50 and older should receive an annual
      fecal occult blood test or undergo a sigmoidoscopy examination
      (periodicity unspecified).

      Goals for FY 2000: For persons age 50 and older, 50 percent of those
      enrolled in primary care clinics have received fecal occult blood
      testing within the preceding year and 40 percent have received at
      least one proctosigmoidoscopy examination in their lifetime.

Technical Description:
  The next time a SIG is due is 1 year from the last FOBT, or 5 years from
  the last SIG.

  The reminder type is EXAM, and the Baseline AGE RANGE and FREQUENCY is 50
  and older and 1Y - so that the SIG will be due a year from the last FOBT
  done in the clinic. The AGE RANGE and FREQUENCY are modified to 50 and older
  and 5Y if a prior SIG has been received by the patient. The Rank of 2, on
  the VA-FLEXISIGMOIDOSCOPY taxonomy match fields, will cause a match of a SIG
  to take precedence over the FOBT findings to establish when the SIG is due
  again. If the most recent health factor finding, between INACTIVATE and
  ACTIVATE is INACTIVATE with its rank of 1, the reminder will be "N/A" (not
  applicable to the patient), and the frequency is 0Y.

  Check the Taxonomy Findings entries representing flexisigmoidoscopy and
  FOBT procedures. This represents coded standard entries in the CPT file
  and ICD Operation/Procedure file. If the taxonomies need modification,
  copy the taxonomy to a new taxonomy for your site, and make the
  appropriate modifications. Then, copy this reminder to a new reminder
  for your local sites modifications, and change the Taxonomy Findings to
  use the new taxonomies.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month

```
        Sex Specific:
      Ignore on N/A:
```

```
     Frequency for Age Range: 1 year for ages 50 and older
                   Match Text: SIG due every 5 years for patients 50 and
                               older, or FOBT annually.
             No Match Text: Flexisigmoidoscopy not indicted for patients
                               under 50.


Targeted Result Findings for EXAMINATION reminder type:
    EXAM
         FOBT(CLINIC)

  Target Result Match Text:
             No Match Text:


Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                     Taxonomy: VA-FLEXISIGMOIDOSCOPY (TF(15))
             Match freq/age: 5 years for ages 50 and older
             Rank Frequency: 2
      Use in Date Due Calc: YES
        Use in Apply Logic:
                 Match Text:
             No Match Text:

                     Taxonomy: VA-FOBT (TF(27))
             Match freq/age: 1 year for ages 50 and older
             Rank Frequency: 3
      Use in Date Due Calc: YES
        Use in Apply Logic:
                 Match Text:
             No Match Text:

                     Taxonomy: VA-COLORECTAL CANCER SCREEN (TF(31))
             Match freq/age:
             Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic:
                 Match Text:
             No Match Text:

        General Match Text:
      General No Match Text: Date of last SIG or FOBT unknown.

    2 Health Factor Findings:

             Health Factor: INACTIVATE SIGMOIDOSCOPY (HF(51))
             Match Freq/Age: 0Y - Not Indicated for ages 50 and older
             Rank Frequency: 1
      Use in Date Due Calc:
        Use in Apply Logic: AND NOT
                 Match Text:
             No Match Text:

             Health Factor: ACTIVATE SIGMOIDOSCOPY (HF(52))
             Match Freq/Age:
             Rank Frequency:
      Use in Date Due Calc:
```

```
    Use in Apply Logic:
          Match Text:
       No Match Text:
```

```
      General Match Text:
   General No Match Text:


   3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(51))

  Expanded Apply Logic:
     (SEX)&(AGE)&'(HF(INACTIVATE SIGMOIDOSCOPY))
```

VA-*FITNESS AND EXERCISE SCREEN

```
Reminder Type:                EDUCATION

Print Name:                   Exercise Education

Related VA-*                  Reminder: VA-*FITNESS AND EXERCISE SCREEN
```

Reminder Description:
   Exercise education given yearly to all patients.

   This VA-*FITNESS AND EXERCISE SCREEN reminder is based on the following
   "Physical Activity Counseling" guidelines specified in the VHA HANDBOOK
   1101.8, APPENDIX A.

      Target Conditions: Cardiovascular disease, physical function.

      Target Group: General outpatient population.

      Recommendation: Primary care clinicians should encourage all
      individuals to engage in a program of physical activity tailored to
      their health status and personal life style.

      Goals for FY 2000: 50% of primary care providers routinely counsel
      their patients regarding frequency, duration, type and intensity of
      physical activity. 30% of Veterans engage in regular moderate
      physical activity for at least 30 minutes three times a week.
      20% of Veterans engage in vigorous activity that promotes
      cardiorespiratory fitness.

Technical Description:
   To modify this reminder from its distributed definition, copy the
   reminder to a new reminder and then make the modifications necessary to
   define your sites guideline.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
                Sex Specific:
                Ignore on N/A:

    Frequency for Age Range: 1 year for all ages
                  Match Text:
                No Match Text:

Targeted Result Findings for EDUCATION reminder type:
    EDUCATION TOPICS
        VA-EXERCISE SCREENING

    Target Result Match Text:
             No Match Text:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                   Taxonomy: VA-EXERCISE COUNSELING (TF(32))
            Match freq/age:
            Rank Frequency:
      Use in Date Due Calc: YES
        Use in Apply Logic:
                Match Text:
             No Match Text:

        General Match Text:
     General No Match Text:

    2 Health Factor Findings:

             Health Factor: INACTIVATE EXERCISE SCREEN (HF(53))
            Match Freq/Age: 0Y - Not Indicated for all ages
            Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic: AND NOT
                Match Text:
             No Match Text:

             Health Factor: ACTIVATE EXERCISE SCREEN (HF(54))
            Match Freq/Age:
            Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic:
                Match Text:
             No Match Text:

        General Match Text:
     General No Match Text:

    3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
     (SEX)&(AGE)&'(HF(53))

  Expanded Apply Logic:
     (SEX)&(AGE)&'(HF(INACTIVATE EXERCISE SCREEN))

VA-*HYPERTENSION SCREEN

Reminder Type: MEASUREMENT

Appendix A-8 Distributed Reminder Definitions

```
Print Name:                   Hypertension Detection
```

Related VA-* Reminder: VA-*HYPERTENSION SCREEN

Reminder Description:
   BP due every two years to detect hypertension.

   This VA-*HYPERTENSION SCREEN reminder is defined based on the following
   "Hypertension Detection" guidelines specified in the VHA HANDBOOK 1101.8,
   APPENDIX A.

      Target Condition: Hypertension, Cardiovascular Disease

      Target Group: General outpatient population

      Recommendation: Check blood pressure at least once every two years
      for all Primary Care clinic patients.

      Goal for FY2000: 90% of Primary Care clinic patients have had their
      blood pressure checked in the past two years.

Technical Description:
   If this reminder is not going to be used at your facility, the INACTIVE
   FLAG should be set to inactive.

   This reminder represents the minimum criteria for checking if the patient
   has received a blood pressure check. As distributed, the reminder checks
   for an ICD Diagnosis or a CPT procedure code representing "Hypertension
   Screen", or a record of a blood pressure (BP) in the Vitals/Measurements
   package.

   The Ambulatory Care EP recommends a variation on this reminder
   represented in the "VA-BLOOD PRESSURE CHECK" reminder. This reminder
   includes an alteration of the blood pressure reminder guidelines when the
   patient has a history of hypertension on file.

   Please review both of these reminder definitions, choose one of them to
   use. If local modifications need to be made, copy the preferred reminder
   to a new reminder and make your reminder modifications.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 3 months
                Sex Specific:
              Ignore on N/A:

    Frequency for Age Range: 2 years for all ages
                  Match Text:
              No Match Text:

Targeted Result Findings for MEASUREMENT reminder type:
   GMRV VITAL TYPE
       BLOOD PRESSURE

    Target Result Match Text:
              No Match Text: Vitals: Date of last Vitals BP Measurement
                             unknown.

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

```
                     Taxonomy: VA-HYPERTENSION SCREEN (TF(23))
               Match freq/age: 2 years for all ages
               Rank Frequency:
       Use in Date Due Calc: YES
          Use in Apply Logic:
                   Match Text:
               No Match Text: Date of last ICD or CPT coded hypertension
                              screen unknown.


           General Match Text:
      General No Match Text:


    2 Health Factor Findings:

          General Match Text:
      General No Match Text:


    3 Computed Findings:


Default APPLY LOGIC to see if the Reminder should apply to a patient:
     (SEX)&(AGE)


   Expanded Apply Logic:
     (SEX)&(AGE)
```

VA-*INFLUENZA IMMUNIZATION

Reminder Type: IMMUNIZATION

Print Name: Influenza Immunization

Related VA-* Reminder: VA-*INFLUENZA IMMUNIZATION

Reminder Description:
   The "VA-*Influenza Immunization" reminder is based on the following
   "Influenza Immunization" guidelines specified in the VHA HANDBOOK 1101.8,
   APPENDIX A.

      Target Condition: Influenza and its complications.

      Target Group: Outpatients age 65 and older.

      Recommendation: Influenza vaccine should be administered annually in
      the late fall to all persons age 65 and older.

      Goal for FY 2000: 60% of those persons over age 65 have received
      influenza vaccine in the past year.

Technical Description:
    If this reminder is not going to be used at your facility, the INACTIVE
    FLAG should be set to inactive.

    This reminder represents the minimum criteria for checking if the patient
    has received an influenza immunization. As distributed, the reminder
    checks for an "Influenza" immunization in the V Immunization file or its
    CPT code equivalent in the V CPT file.

    The Ambulatory Care EP recommends a variation on this reminder
    represented in the "VA-INFLUENZA VACCINE" reminder. This reminder
    includes an alteration of the influenza reminder guidelines when the
    patient has a diagnosis which could cause the patient to be at a high
    risk for flu or pneumonia.

    Please review both of these reminder definitions, choose one of them to
    use. If local modifications need to be made, copy the preferred reminder
    to a new reminder and make your reminder modifications.

Target Groups - Baseline:
    Do In Advance Time Frame: Do if DUE within 1 month
               Sex Specific:
               Ignore on N/A:

    Frequency for Age Range: 1 year for ages 65 and older
                 Match Text: Influenza vaccine due yearly in patients ages
                             65 and older.
              No Match Text: Influenza vaccine not indicated for patients
                             under 65.

Targeted Result Findings for IMMUNIZATION reminder type:
    IMMUNIZATION
        INFLUENZA

    Target Result Match Text:
              No Match Text:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                    Taxonomy: VA-INFLUENZA IMMUNIZATION (TF(33))
              Match freq/age:
              Rank Frequency:
        Use in Date Due Calc: YES
          Use in Apply Logic:
                  Match Text:
               No Match Text:

          General Match Text:
       General No Match Text:

    2 Health Factor Findings:

               Health Factor: INACTIVATE INFLUENZA IMMUNIZATION (HF(55))
              Match Freq/Age: 0Y - Not Indicated for all ages
              Rank Frequency:
        Use in Date Due Calc:

```
Use in Apply Logic: AND NOT
        Match Text:
     No Match Text:
```

```
            Health Factor: ACTIVATE INFLUENZA IMMUNIZATION (HF(56))
           Match Freq/Age:
           Rank Frequency:
     Use in Date Due Calc:
       Use in Apply Logic:
               Match Text:
            No Match Text:


        General Match Text:
     General No Match Text:


     3 Computed Findings:


Default APPLY LOGIC to see if the Reminder should apply to a patient:
     (SEX)&(AGE)&'(HF(55))

   Expanded Apply Logic:
     (SEX)&(AGE)&'(HF(INACTIVATE INFLUENZA IMMUNIZATION))
```

VA-*PNEUMOCOCCAL VACCINE
`----------------------------------`

```
Reminder Type:               IMMUNIZATION

Print Name:                  Pneumovax

Related VA-* Reminder:       VA-*PNEUMOCOCCAL VACCINE

Reminder Description:
    This "VA-*PNEUMOCOCCAL VACCINE" reminder is defined based on the
    following "Pneumococcal Vaccine" guidelines specified in the VHA HANDBOOK
    1101.8, APPENDIX A.

       Target Condition: Pneumococcal pneumonia.

       Target Group: Outpatients age 65 and older.

       Recommendation: All persons age 65 and older should receive one
       vaccination with pneumococcal vaccine in their lifetime.

       Goal for FY 2000: 80% of individuals 65 and older have received
       pneumococcal vaccine.

Technical Description:
    If this reminder is not going to be used at your facility, the INACTIVE
    FLAG should be set to inactive.

    This reminder represents the minimum criteria for checking if the
    pneumococcal vaccine has been given to the patient.

    The Ambulatory Care EP recommends a variation on this reminder
    represented in the "VA-PNEUMOVAX" reminder, which includes a check for
    diagnoses documented for the patient that would indicate the pneumococcal
    vaccine should be given to the patient regardless of the patients age.
    Please review both of these reminder definitions, choose one of them to
```

```
use. If local modifications need to be made, copy the preferred reminder
to a new reminder and make your reminder modifications.
```

```
Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 3 months
                Sex Specific:
              Ignore on N/A:


    Frequency for Age Range: 99Y - Once for ages 65 and older
                  Match Text: Pneumovax due once for patients 65 and over.
              No Match Text:


Targeted Result Findings for IMMUNIZATION reminder type:
    IMMUNIZATION
          PNEUMOCOCCAL


   Target Result Match Text:
              No Match Text:


Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                    Taxonomy: VA-PNEUMOCOCCAL VACCINE (TF(25))
            Match freq/age:
            Rank Frequency:
      Use in Date Due Calc: YES
        Use in Apply Logic:
                 Match Text:
              No Match Text:


       General Match Text:
    General No Match Text:


    2 Health Factor Findings:

              Health Factor: INACTIVATE PNEUMOCOCCAL VACCINE (HF(57))
            Match Freq/Age: 0Y - Not Indicated for all ages
            Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic: AND NOT
                 Match Text:
              No Match Text:


              Health Factor: ACTIVATE PNEUMOCOCCAL VACCINE (HF(58))
            Match Freq/Age:
            Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic:
                 Match Text:
              No Match Text:


       General Match Text:
    General No Match Text:


    3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(57))


  Expanded Apply Logic:
```

```
(SEX)&(AGE)&'(HF(INACTIVATE PNEUMOCOCCAL VACCINE))
```

VA-*PROBLEM DRINKING SCREEN

Reminder Type: EDUCATION

Print Name: Problem Drinking Screen

Related VA-* Reminder: VA-*PROBLEM DRINKING SCREEN

Reminder Description:
    The "VA-*Problem Drinking Screening" education reminder is based on the
    following "Problem Drinking and Alcohol Moderation Counseling" guidelines
    specified in the VHA HANDBOOK 1101.8, APPENDIX A.

        Target Conditions: Problem drinking, alcohol dependence, medical
                           complications of alcohol use, accidents and
        violence.

        Target Group: Outpatient experiencing medical or social problems
        attributable to alcohol use.

        Recommendation: Primary care clinicians should routinely ask their
        patients to describe their use of alcohol. High risk patients (3 or
        more drinks daily) should be referred for counseling.

        Goals for FY 2000: 100% of VHA facilities have an alcohol treatment
        program or access to one. 75% of primary care providers should screen
        for alcohol problems yearly and provide counseling and referral as
        needed.

Technical Description:
    If this reminder is not going to be used at your facility, the INACTIVE
    FLAG should be set to inactive.

    This reminder represents the minimum criteria for checking if the patient
    has been screened for problem drinking. The "VA-ALCOHOL ABUSE SCREENING"
    education topic is the result finding that will satisfy this reminder.

    The Ambulatory Care EP recommends a variation on this reminder
    represented in the "VA-ALCOHOL ABUSE EDUCATION" reminder. This reminder
    includes a check for a diagnoses documented for the patient that would
    indicate the patient has a problem related to alcohol abuse. It also
    references all of the alcohol abuse education topics that are distributed
    by PCE, which could satisfy the reminder.

    Please review both of these reminder definitions, choose one of them to
    use. If local modifications need to be made, copy the preferred reminder
    to a new reminder and make your reminder modifications.

Target Groups - Baseline:
    Do In Advance Time Frame: Do if DUE within 1 month
                 Sex Specific:
                 Ignore on N/A:

     Frequency for Age Range: 1 year for all ages
                   Match Text: Screen for alcohol problems yearly for all
                               patients.

```
No Match Text:
```

```
No Match Text:
```

Targeted Result Findings for EDUCATION reminder type:
    EDUCATION TOPICS
        VA-ALCOHOL ABUSE SCREENING

   Target Result Match Text:
            No Match Text:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                  Taxonomy: VA-ALCOHOLISM SCREENING (TF(34))
           Match freq/age:
           Rank Frequency:
     Use in Date Due Calc: YES
        Use in Apply Logic:
               Match Text:
            No Match Text:

        General Match Text:
     General No Match Text:

    2 Health Factor Findings:

             Health Factor: INACTIVATE PROBLEM DRINKING SCREEN (HF(59))
           Match Freq/Age: 0Y - Not Indicated for all ages
           Rank Frequency:
     Use in Date Due Calc:
        Use in Apply Logic: AND NOT
               Match Text:
            No Match Text:

             Health Factor: ACTIVATE PROBLEM DRINKING SCREEN (HF(60))
           Match Freq/Age:
           Rank Frequency:
     Use in Date Due Calc:
        Use in Apply Logic:
               Match Text:
            No Match Text:

        General Match Text:
     General No Match Text:

    3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(59))

  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(INACTIVATE PROBLEM DRINKING SCREEN))

VA-*SEATBELT AND ACCIDENT SCREEN

Reminder Type: EDUCATION

```
Print Name:                    Seatbelt and Accident Screen
```

Related VA-* Reminder: VA-*SEATBELT AND ACCIDENT SCREEN

Reminder Description:
   Seatbelt and accident education given yearly to all patients.

   This "VA-*SEATBELT AND ACCIDENT SCREEN" reminder is based on the
   "Seatbelt Use and Accident Avoidance Counseling" guideline specified in
   the VHA HANDBOOK 1101.8, APPENDIX A.

      Target Condition: Motor vehicle associated injuries.

      Target Group: General Outpatient population.

      Recommendation: All patients should be urged to use seatbelts in
      automobiles, wear helmets when riding bicycles or motorcycles, and to
      refrain from driving after drinking.

      Goal for FY 2000: 85% of Veterans report regular use of seatbelts in
      automobiles. 80% of motorcyclists and 50% of bicyclists report use of
      helmets. 50% of primary care providers routinely provide
      age-appropriate counseling on safety precautions to prevent
      unintentional injury.

Technical Description:
   If this reminder is not going to be used at your facility, the INACTIVE
   FLAG should be set to inactive.

   This reminder represents the minimum criteria for checking if the patient
   has had seatbelt and accident screening. The "VA-SEAT BELT USE
   SCREENING" education topic is the result finding that will satisfy this
   reminder.

   The Ambulatory Care EP recommends a variation on this reminder,
   represented in the "VA-SEATBELT EDUCATION" reminder. This reminder
   includes a check for seatbelt use education given to the patient, in
   addition to the screening.

   Please review both of these reminder definitions, choose one of them to
   use. If local modifications need to be made, copy the preferred reminder
   to a new reminder and make your reminder modifications.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
               Sex Specific:
              Ignore on N/A:

    Frequency for Age Range: 1 year for all ages
                 Match Text: Seatbelt education due yearly for all patients.
              No Match Text:

Targeted Result Findings for EDUCATION reminder type:
     EDUCATION TOPICS
         VA-SEAT BELT USE SCREENING

   Target Result Match Text:
              No Match Text:

```
Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:
```

```
                Taxonomy: VA-SAFETY COUNSELING (TF(35))
           Match freq/age:
          Rank Frequency:
      Use in Date Due Calc: YES
        Use in Apply Logic:
              Match Text:
           No Match Text:


       General Match Text:
    General No Match Text:


   2 Health Factor Findings:


           Health Factor: INACTIVATE SEATBELT SCREEN (HF(61))
          Match Freq/Age: 0Y - Not Indicated for all ages
          Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic: AND NOT
              Match Text:
           No Match Text:


           Health Factor: ACTIVATE SEATBELT SCREEN (HF(62))
          Match Freq/Age:
          Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic:
              Match Text:
           No Match Text:


       General Match Text:
    General No Match Text:


   3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(61))

  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(INACTIVATE SEATBELT SCREEN))
```

VA-*TETANUS DIPHTHERIA IMMUNIZATION

```
Reminder Type:              IMMUNIZATION

Print Name:                 Tetanus Diphtheria (TD-Adult)

Related VA-* Reminder:      VA-*TETANUS DIPHTHERIA IMMUNIZATION
```

Reminder Description:
   TD booster given to all adult patients every ten years.

   This reminder is based on "Tetanus and Diphtheria Immunization"
   guidelines specified in VHA HANDBOOK 1101.8, APPENDIX A.

      Target Condition: Infection with tetanus and diphtheria.

      Target Group: General outpatient population.

      Recommendation: A tetanus and diphtheria (TD) toxoid booster should be
      administered every ten years throughout adult life. This is commonly
      offered at each half decade (e.g. ages 45,55,65).

      Goal for FY 2000: 50% of individuals have received a tetanus
      immunization booster in the past ten years.

Technical Description:
   If this reminder is not going to be used at your facility, the INACTIVE
   FLAG should be set to inactive.

   This reminder represents the minimum criteria for checking if the patient
   has been screened for tetanus diphtheria immunization. The "TETANUS
   DIPHTHERIA (TD-ADULT)" and "TETANUS TOXOID" immunizations or their CPT
   equivalent are the result finding that will satisfy this reminder.

   The Ambulatory Care EP endorses this reminder as it is defined.

   If any modifications to the reminder definition are needed, copy the
   reminder to a new reminder for your site's use, and make the appropriate
   modifications.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 6 months
              Sex Specific:
              Ignore on N/A:

    Frequency for Age Range: 10 years for ages 18 and older
                Match Text: TD booster due every ten years throughout
                            adult life.
                         No Match Text:

Targeted Result Findings for IMMUNIZATION reminder type:
    IMMUNIZATION
        TETANUS DIPTHERIA (TD-ADULT)
        TETANUS TOXOID

  Target Result Match Text:
            No Match Text:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                  Taxonomy: VA-TETANUS DIPHTHERIA (TF(29))
           Match freq/age:
           Rank Frequency:
      Use in Date Due Calc: YES

```
Use in Apply Logic:
       Match Text:
    No Match Text:
```

```
       General Match Text:
    General No Match Text:


    2 Health Factor Findings:


             Health Factor: INACTIVATE TD IMMUNIZATION (HF(63))
            Match Freq/Age: 0Y - Not Indicated for all ages
            Rank Frequency:
       Use in Date Due Calc:
         Use in Apply Logic: AND NOT
                 Match Text:
              No Match Text:


             Health Factor: ACTIVATE TD IMMUNIZATION (HF(64))
            Match Freq/Age:
            Rank Frequency:
       Use in Date Due Calc:
         Use in Apply Logic:
                 Match Text:
              No Match Text:


          General Match Text:
       General No Match Text:


    3 Computed Findings:


Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(63))


  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(INACTIVATE TD IMMUNIZATION))
```

VA-*TOBACCO USE SCREEN

```
Reminder Type:               EDUCATION

Print Name:                  Tobacco Use Screen

Related VA-* Reminder:       VA-*TOBACCO USE SCREEN

Reminder Description:
   This reminder is based on "Tobacco Use Counseling" guidelines specified
   in the VHA HANDBOOK 1101.8, APPENDIX A.

      Target Conditions: Cancer, pulmonary and cardiovascular disease.

      Target Group: Outpatients who use tobacco.

      Recommendation: Tobacco use cessation counseling should be offered
      annually to all who use tobacco on a regular basis.
```

Goals for FY 2000: 100% of VHA facilities have an intensive smoking cessation program (or access to one) which includes appropriate pharmacological treatment. 75% of primary care providers routinely advise cessation and provide assistance and follow-up for all their patients who use tobacco. Reduce cigarette smoking to a prevalence of no more than 15% among people age 20 and over.

Technical Description:
   If this reminder is not going to be used at your facility, the INACTIVE FLAG should be set to inactive.

   This reminder represents the minimum criteria for checking if the patient has received a tobacco use screen. The "VA-TOBACCO USE SCREENING" education topic is the result finding that will satisfy this reminder.

   The Ambulatory Care EP recommends a variation on this reminder represented in the "VA-TOBACCO EDUCATION" reminder. This reminder includes a check for smoking cessation education, in addition to the screening. It also includes target conditions for patients who have tobacco related diagnoses or health factors on file.

   Please review both of these reminder definitions, choose one of them to use. If local modifications need to be made, copy the preferred reminder to a new reminder and make your reminder modifications.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
                 Sex Specific:
                Ignore on N/A:

    Frequency for Age Range: 1 year for all ages
                  Match Text: Tobacco use screen due yearly for all ages.
               No Match Text:

Targeted Result Findings for EDUCATION reminder type:
    EDUCATION TOPICS
        VA-TOBACCO USE SCREENING

   Target Result Match Text:
              No Match Text: No history of tobacco use screen on file.
                             Please evaluate tobacco use and educate if
                             currently in use.

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

       General Match Text:
     General No Match Text:

    2 Health Factor Findings:

            Health Factor: INACTIVATE TOBACCO USE SCREEN (HF(65))
           Match Freq/Age: 0Y - Not Indicated for all ages
           Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic: AND NOT
               Match Text:

```
No Match Text:
```

```
            Health Factor: ACTIVATE TOBACCO USE SCREEN (HF(66))
           Match Freq/Age:
           Rank Frequency:
     Use in Date Due Calc:
       Use in Apply Logic:
               Match Text:
            No Match Text:

        General Match Text:
     General No Match Text:

   3 Computed Findings:
```

Default APPLY LOGIC to see if the Reminder should apply to a patient:
```
    (SEX)&(AGE)&'(HF(65))
```

```
  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(INACTIVATE TOBACCO USE SCREEN))
```

VA-*WEIGHT AND NUTRITION SCREEN

Reminder Type: EDUCATION

Print Name: Weight and Nutrition Screen

Related VA-* Reminder: VA-*WEIGHT AND NUTRITION SCREEN

Reminder Description:
   This VA-*WEIGHT AND NUTRITION SCREEN reminder is based on the following
   "Weight Control and Nutrition Counseling" guidelines defined in the VHA
   HANDBOOK 1101.8, APPENDIX A.

      Target condition: Obesity and associated conditions.

      Target Group: General outpatient population.

      Recommendation: Primary care clinicians should provide their patients
      with periodic counseling or referral for counseling regarding dietary
      intake of calories, fat (especially saturated fat), cholesterol, and
      fiber. A nutrition counseling service should be available at each VHA
      facility.

      Goals for FY 2000: Reduce dietary fat intake to an average of 30 of
      calories and saturated fats to less than 10%. Increase complex
      carbohydrate and fiber-containing foods in the diet to 5 or more
      daily servings for vegetables and fruits and 6 or more daily servings
      for grain products. Reduce overweight to a prevalence of no more than
      20% among people age 20 and older. Women should be encouraged to
      consume
      1000 mg/day of calcium until menopause and 1500 mg/day thereafter.
      100% of VHA facilities should have formal nutrition counseling
      available for outpatients.

Technical Description:

```
If this reminder is not going to be used at your facility, the INACTIVE
FLAG should be set to inactive.
```

This reminder represents the minimum criteria for checking if the patient has received a weight and nutrition screen. The "VA-NUTRITION/WEIGHT SCREENING" education topic is the result finding that will satisfy this reminder.

The Ambulatory Care EP recommends a variation on this reminder represented in the "VA-NUTRITION/OBESITY EDUCATION" reminder. This reminder includes a check for nutrition education, in addition to the screening. It also includes target conditions for patients who have nutrition or obesity related diagnoses or health factors on file.

Please review both of these reminder definitions, choose one of them to use. If local modifications need to be made, copy the preferred reminder to a new reminder and make your reminder modifications.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
                Sex Specific:
                Ignore on N/A:

   Frequency for Age Range: 1 year for all ages
                Match Text: Weight and Nutrition screen due yearly for all
                            patients.
             No Match Text:

Targeted Result Findings for EDUCATION reminder type:
    EDUCATION TOPICS
         VA-NUTRITION/WEIGHT SCREENING

   Target Result Match Text:
             No Match Text:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:
                   Taxonomy: VA-WEIGHT AND NUTRITION SCREEN (TF(36))
            Match freq/age:
            Rank Frequency:
      Use in Date Due Calc: YES
         Use in Apply Logic:
                Match Text:
             No Match Text:

        General Match Text:
     General No Match Text:

    2 Health Factor Findings:
              Health Factor: INACTIVATE WEIGHT/NUTRITION SCREEN (HF(67))
            Match Freq/Age: 0Y - Not Indicated for all ages
            Rank Frequency:
      Use in Date Due Calc:
         Use in Apply Logic: AND NOT
                Match Text:
             No Match Text:

```
            Health Factor: ACTIVATE WEIGHT/NUTRITION SCREEN (HF(68))
          Match Freq/Age:
          Rank Frequency:
   Use in Date Due Calc:
     Use in Apply Logic:
              Match Text:
           No Match Text:


     General Match Text:
  General No Match Text:


   3 Computed Findings:
```

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(67))

  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(INACTIVATE WEIGHT/NUTRITION SCREEN))

VA-ADVANCED DIRECTIVES EDUCATION

Reminder Type: EDUCATION

Print Name: Advanced Directives Education

Related VA-* Reminder:

Reminder Description:
   Advanced directives information given to all patients once.

Technical Description:
   This reminder is distributed with the PCE package. The source of this
   reminder definition is the Ambulatory Care Expert Panel. It is based on
   feedback from facilities wanting to track Advanced Directive Education.

   This reminder is an education type reminder. It relies on an active
   education topic entry representing the Advanced Directives education in
   the Education Topics file.

   This reminder will be considered "DUE NOW" if there is no patient
   education entry for advanced directive education in the "V Patient Ed."
   file. The V Patient Ed. File summarizes the patient education provided
   by clinicians at an encounter/visit.

   By recording the education topic given at an encounter via a scanned
   encounter form (or other interface to PCE), the reminder will be
   considered "not indicated". Historical patient education for advanced
   directives can be recorded in the PCE User Interface to make the reminder
   not indicated.

   The Clinical Maintenance component in the Health Summary will display the
   latest date on record where advanced directive education/screening was
   provided to the patient.

Initial installation comment:

The PCE package is distributed with a preliminary set of education
topics, which includes the VA-ADVANCED DIRECTIVES, and VA-ADVANCED
DIRECTIVES SCREENING entries.

The VA-ADVANCED DIRECTIVES education is defined as this reminders
education topic, in lieu of additional/other Advanced Directive education
topics you might want to create and activate at your site.

The VA-ADVANCED DIRECTIVES SCREENING education is defined to help track
the fact that an inquiry or screening was made to determine if the
patient needed Advanced Directive education/counseling.

If this reminder is used at your site, you may want to add at a minimum,
these two education topics on an encounter form for those clinics who
would be addressing this reminder.

Target Groups - Baseline:
    Do In Advance Time Frame: 0M - Wait until actually DUE
                 Sex Specific:
               Ignore on N/A:

     Frequency for Age Range: 99Y - Once for all ages
                   Match Text:
               No Match Text:

Targeted Result Findings for EDUCATION reminder type:
    EDUCATION TOPICS
         VA-ADVANCED DIRECTIVES
         VA-ADVANCED DIRECTIVES SCREENING

   Target Result Match Text:
               No Match Text: No record of Advanced Directives
                             education/screening on file.

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

        General Match Text:
      General No Match Text:

    2 Health Factor Findings:

        General Match Text:
      General No Match Text:

    3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)

  Expanded Apply Logic:
    (SEX)&(AGE)

VA-ALCOHOL ABUSE EDUCATION

Reminder Type: EDUCATION

Print Name: Alcohol Abuse Education

Related VA-* Reminder: VA-*PROBLEM DRINKING SCREEN

Reminder Description:
   The VA-Alcohol Abuse Education reminder is based on guidelines defined by
   the Ambulatory Care Expert Panel. This reminder includes the alcohol
   abuse screening criteria to meet the "VA-*Problem Drinking Screening"
   reminder and more education criteria and diagnosis evaluation to
   determine the need for the reminder.

   This reminder is an "education" type reminder. It relies on an active
   EDUCATION TOPIC (representing Alcohol Abuse education or screening) and
   use of PCE TAXONOMY and HEALTH FACTORS related to alcohol abuse.

Technical Description:

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
                Sex Specific:
              Ignore on N/A:

    Frequency for Age Range: 1 year for all ages
                 Match Text: Alcohol abuse education due yearly for all ages.
              No Match Text:

Targeted Result Findings for EDUCATION reminder type:
    EDUCATION TOPICS
         VA-ALCOHOL ABUSE
         VA-ALCOHOL ABUSE COMPLICATIONS
         VA-ALCOHOL ABUSE DIET
         VA-ALCOHOL ABUSE DISEASE PROCE
         VA-ALCOHOL ABUSE EXERCISE
         VA-ALCOHOL ABUSE FOLLOW-UP
         VA-ALCOHOL ABUSE LIFESTYLE ADA
         VA-ALCOHOL ABUSE MEDICATIONS
         VA-ALCOHOL ABUSE SCREENING

  Target Result Match Text:
             No Match Text:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                 Taxonomy: VA-ALCOHOL ABUSE (TF(17))
             Match freq/age:
             Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic:
                 Match Text:
              No Match Text:

```
                  Taxonomy: VA-ALCOHOLISM SCREENING (TF(34))
            Match freq/age:
           Rank Frequency:
     Use in Date Due Calc: YES
        Use in Apply Logic:
                Match Text:
             No Match Text:


      General Match Text:
   General No Match Text:


  2 Health Factor Findings:


             Health Factor: HISTORY OF AN ALCOHOL PROBLEM (HF(13))
            Match Freq/Age:
           Rank Frequency:
     Use in Date Due Calc:
        Use in Apply Logic:
                Match Text:
             No Match Text:


             Health Factor: DRIVING UNDER THE INFLUENCE (HF(14))
            Match Freq/Age:
           Rank Frequency:
     Use in Date Due Calc:
        Use in Apply Logic:
                Match Text:
             No Match Text:


             Health Factor: FAMILY HX OF ALCOHOL ABUSE (HF(15))
            Match Freq/Age:
           Rank Frequency:
     Use in Date Due Calc:
        Use in Apply Logic:
                Match Text:
             No Match Text:


             Health Factor: PREV. SCREEN ETOH PROBLEM (HF(16))
            Match Freq/Age:
           Rank Frequency:
     Use in Date Due Calc:
        Use in Apply Logic:
                Match Text:
             No Match Text:


             Health Factor: HEAVY DRINKER (3 OR MORE/DAY) (HF(17))
            Match Freq/Age:
           Rank Frequency:
     Use in Date Due Calc:
        Use in Apply Logic:
                Match Text:
             No Match Text:


             Health Factor: DRINKING ALONE (HF(18))
            Match Freq/Age:
           Rank Frequency:
     Use in Date Due Calc:
```

```
        Use in Apply Logic:
              Match Text:
           No Match Text:
```

```
          Health Factor: BINGE DRINKING (HF(19))
         Match Freq/Age:
         Rank Frequency:
    Use in Date Due Calc:
      Use in Apply Logic:
             Match Text:
          No Match Text:

      General Match Text:
   General No Match Text:

    3 Computed Findings:
```

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)

  Expanded Apply Logic:
    (SEX)&(AGE)

VA-BLOOD PRESSURE CHECK

Reminder Type: MEASUREMENT

Print Name: Blood Pressure Check

Related VA-* Reminder: VA-*HYPERTENSION SCREEN

Reminder Description:
    BP due yearly for patients with no DX of hypertension, any age. BP due
    at all visits for patients with DX of hypertension or cardiovascular
    disease, any age.

    The VA-Blood Pressure Check reminder is based on baseline guidelines
    defined by the Ambulatory Care Expert Panel and depends on your site
    entering Blood Pressure measurement values into the "Vital Measurement"
    file. This reminder is different than the VA-HYPERTENSION SCREEN
    reminder which is an Education type reminder which simply checks for the
    existence of a Hypertension Screening being asked, and not whether the
    Blood pressure value is documented.

Technical Description:
    Review the Taxonomy definition for hypertension and cardiovascular
    disease in the PCE Taxonomy file. Use the taxonomies as distributed or
    copy a new taxonomy for local use and make the appropriate modifications.

    Either accept the VA- reminder definition or create a local reminder
    definition by copying the VA- reminder definition to a local reminder.

    BP for Blood Pressure should be named as the Result Findings item from
    the Vital Type file.

Target Groups - Baseline:
    Do In Advance Time Frame: Do if DUE within 3 months
              Sex Specific:

```
Ignore on N/A:
```

        Frequency for Age Range: 2 years for all ages
                     Match Text:
                  No Match Text:

Targeted Result Findings for MEASUREMENT reminder type:
    GMRV VITAL TYPE
         BLOOD PRESSURE

   Target Result Match Text:
                  No Match Text: Vitals: Date of last Vitals blood pressure
                                 measurement unknown.

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                      Taxonomy: VA-HYPERTENSION (TF(1))
             Match freq/age: 1 day for all ages
             Rank Frequency: 1
      Use in Date Due Calc: YES
        Use in Apply Logic:
                    Match Text: History of hypertension on record. BP due every
                                visit in patients with HTN.
               No Match Text: No HX of HTN on file. No HX of hypertension
                                presumed.

                      Taxonomy: VA-HYPERTENSION SCREEN (TF(23))
             Match freq/age: 2 years for all ages
             Rank Frequency:
      Use in Date Due Calc: YES
        Use in Apply Logic:
                     Match Text:
                  No Match Text:

         General Match Text:
      General No Match Text:

    2 Health Factor Findings:

         General Match Text:
      General No Match Text:

    3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)

  Expanded Apply Logic:
    (SEX)&(AGE)

VA-BREAST EXAM

Reminder Type: EXAMINATION

Print Name: Breast Exam

Related VA-* Reminder:

Reminder Description:
   A breast exam is due yearly for females 40 and older. If the female has a
   history of breast cancer, check for ongoing follow-up yearly.

   This reminder is based on guidelines defined by the Ambulatory Care
   Expert Panel.

Technical Description:
   If this reminder is not going to be used at your facility, the INACTIVE
   FLAG should be set to inactive.

   Review the taxonomy findings definition being used to represent breast
   cancer. Use the List Taxonomy Items option to see the coded values
   defined for the taxonomy. If a taxonomy needs modifications, copy the
   taxonomy and make appropriate modifications to the new taxonomy item.

   Check the Exam file entries referenced and make modifications as needed
   for local representation of exams.

   If any changes to the reminder definition are needed, copy this reminder
   to a new reminder for your sites use, and make the appropriate
   modifications.

Target Groups - Baseline:
   Do In Advance Time Frame: 0M - Wait until actually DUE
                Sex Specific: FEMALE
                Ignore on N/A:

    Frequency for Age Range: 1 year for ages 40 and older
                  Match Text:
              No Match Text:

Targeted Result Findings for EXAMINATION reminder type:
      EXAM
           BREAST EXAM

   Target Result Match Text:
                No Match Text: Date of last breast exam unknown. Please
                               document last exam or perform today.

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                     Taxonomy: VA-BREAST TUMOR (TF(18))
             Match freq/age:
             Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic:
                  Match Text:
              No Match Text:

         General Match Text:
      General No Match Text:

    2 Health Factor Findings:

         General Match Text:

General No Match Text:

General No Match Text:

```
   3 Computed Findings:
Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)

  Expanded Apply Logic:
    (SEX)&(AGE)
```

VA-BREAST SELF EXAM EDUCATION

```
Reminder Type:                EDUCATION

Print Name:                   Breast Self Exam Education

Related VA-* Reminder:

Reminder Description:
   The breast self exam education is due yearly for females. If the female
   has a history of breast cancer, check for ongoing follow-up yearly. If
   the female has a history of a mastectomy, check for appropriateness of
   breast self exam education.

   This reminder is based on guidelines defined by the Ambulatory Care
   Expert Panel.

Technical Description:
   The findings for breast self exam are based on the definition of an
   education topic in the EDUCATION TOPICS file. Check the result findings
   file for breast self exam entry which is distributed with this reminder.
   If new education topics need to be added, use the PCE Table Maintenance
   options, and then copy this reminder, and make the modifications to the
   result findings to reference the education topics defined for your site.

   Check the taxonomy findings definitions for breast cancer, breast tumor,
   and mastectomy. Copy the taxonomies and make modifications if needed.

   If any changes are needed in the findings definitions, copy this reminder
   to a site defined reminder item and make the appropriate modifications.


Target Groups - Baseline:
   Do In Advance Time Frame: 0M - Wait until actually DUE
               Sex Specific: FEMALE
              Ignore on N/A:

   Frequency for Age Range: 1 year for all ages
                Match Text:
             No Match Text:

Targeted Result Findings for EDUCATION reminder type:
    EDUCATION TOPICS
        VA-SELF BREAST EXAM

  Target Result Match Text:
           No Match Text: Date of last breast self exam education not
known.
```

```
Target Conditions:
     1 Diagnosis/Procedure Taxonomy Findings:
```

```
             Taxonomy: VA-BREAST TUMOR (TF(18))
       Match freq/age:
       Rank Frequency:
 Use in Date Due Calc:
   Use in Apply Logic:
           Match Text: Patient known to have HX of breast tumor or
                       breast cancer. Please verify appropriate TX
                       and F/U is ongoing yearly.
        No Match Text: No HX breast cancer presumed.


             Taxonomy: VA-MASTECTOMY (TF(19))
       Match freq/age:
       Rank Frequency:
 Use in Date Due Calc:
   Use in Apply Logic:
           Match Text: This patient has had a mastectomy. If
                       appropriate for this patient, please provide
                       Breast Self Exam Education.
        No Match Text:


   General Match Text: Patient has a HX of breast cancer or other
                       breast disease that might complicate breast
                       self exam.
General No Match Text:


 2 Health Factor Findings:

        Health Factor: HX BREAST CANCER (HF(20))
       Match Freq/Age:
       Rank Frequency:
 Use in Date Due Calc:
   Use in Apply Logic:
           Match Text:
        No Match Text:


        Health Factor: FAMILY HX BREAST CANCER (HF(22))
       Match Freq/Age:
       Rank Frequency:
 Use in Date Due Calc:
   Use in Apply Logic:
           Match Text:
        No Match Text:


        Health Factor: PREV. BREAST CANCER SCREENING (HF(23))
       Match Freq/Age:
       Rank Frequency:
 Use in Date Due Calc:
   Use in Apply Logic:
           Match Text:
        No Match Text:


   General Match Text:
General No Match Text:


 3 Computed Findings:
```

```
Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)

  Expanded Apply Logic:
    (SEX)&(AGE)
```

VA-DIABETIC EYE EXAM

```
Reminder Type:                   EXAMINATION

Print Name:                      Diabetic Eye Exam

Related VA-* Reminder:

Reminder Description:
   Patients with the VA-DIABETES taxonomy should have a diabetic eye exam
   done yearly.

Technical Description:
   This reminder is based on the Diabetic Eye Exam reminder from the New
   York VAMC which was designed to meet the guidelines defined by the PACT
   panel. Additional input came from the Saginaw VAMC.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
                Sex Specific:
               Ignore on N/A:

    Frequency for Age Range: 0Y - Not Indicated for all ages
                  Match Text:
              No Match Text:

Targeted Result Findings for EXAMINATION reminder type:
    EXAM
          DIABETIC EYE EXAM

  Target Result Match Text:
           No Match Text:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                   Taxonomy: VA-DIABETES (TF(28))
           Match freq/age: 1 year for all ages
           Rank Frequency:
     Use in Date Due Calc:
       Use in Apply Logic: AND
                Match Text: Diabetic eye exam required annually for all
                            diabetic patients.
            No Match Text: No history of diabetes on file.

        General Match Text:
     General No Match Text:
```

```
2 Health Factor Findings:
```

```
        General Match Text:
      General No Match Text:


      3 Computed Findings:
Default APPLY LOGIC to see if the Reminder should apply to a patient:
      (SEX)&(AGE)&(TF(28))


   Expanded Apply Logic:
      (SEX)&(AGE)&(TF(VA-DIABETES))
```

VA-DIABETIC FOOT CARE ED.

```
Reminder Type:                  EDUCATION

Print Name:                     Diabetic Foot Care Education

Related VA-* Reminder:

Reminder Description:
   Patients with the VA-DIABETES taxonomy should have a diabetic foot care
   education done yearly.

Technical Description:
   This reminder is based on the Diabetic care reminders from the New York
   VAMC which were designed to meet the guidelines defined by the PACT
   panel. Additional input came from the Saginaw VAMC.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
              Sex Specific:
              Ignore on N/A:

    Frequency for Age Range: 0Y - Not Indicated for all ages
                Match Text:
             No Match Text:

Targeted Result Findings for EDUCATION reminder type:
    EDUCATION TOPICS

  Target Result Match Text:
           No Match Text:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:


                 Taxonomy: VA-DIABETES (TF(28))
           Match freq/age: 1 year for all ages
           Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic: AND
                Match Text: Diabetic foot care education required annually
                            for all diabetic patients.
             No Match Text: No history of diabetes on file.
```

```
   General Match Text:
General No Match Text:
```

```
   2 Health Factor Findings:

       General Match Text:
    General No Match Text:

   3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&(TF(28))

  Expanded Apply Logic:
    (SEX)&(AGE)&(TF(VA-DIABETES))
```

VA-DIABETIC FOOT EXAM

```
Reminder Type:                 EXAMINATION

Print Name:                    Diabetic Foot Exam

Related VA-* Reminder:

Reminder Description:
   Patients with the VA-DIABETES taxonomy should have a complete foot exam
   done yearly.

Technical Description:
   This reminder is based on the Diabetic Foot Exam reminder from the New
   York VAMC which was designed to meet the guidelines defined by the PACT
   panel. Additional input came from the Saginaw VAMC.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
              Sex Specific:
             Ignore on N/A:

   Frequency for Age Range: 0Y - Not Indicated for all ages
               Match Text:
           No Match Text:

Targeted Result Findings for EXAMINATION reminder type:
    EXAM
        DIABETIC FOOT EXAM, COMPLETE

  Target Result Match Text:
           No Match Text:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:
```

```
               Taxonomy: VA-DIABETES (TF(28))
         Match freq/age: 1 year for all ages
         Rank Frequency:
    Use in Date Due Calc:
      Use in Apply Logic: AND
             Match Text: Complete foot exam required annually for all
                         diabetic patients.
          No Match Text: No history of diabetes on file.


     General Match Text:
  General No Match Text:


  2 Health Factor Findings:

     General Match Text:
  General No Match Text:


  3 Computed Findings:


Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&(TF(28))

  Expanded Apply Logic:
    (SEX)&(AGE)&(TF(VA-DIABETES))
```

A-DIGITAL RECTAL (PROSTATE) EXAM

Reminder Type: EXAMINATION

Print Name: Digital Rectal (Prostate) Exam

Related VA-* Reminder:

Reminder Description:
   Digital rectal (Prostate) exam should be given yearly to male patients
   ages 40-75 with no DX of prostate cancer.

   This reminder is based on guidelines defined by the Ambulatory Care
   Expert Panel.

Technical Description:
   Check the Taxonomy Findings entries representing HX of Prostate Cancer.
   If this taxonomy needs modification, copy the taxonomy to a new taxonomy
   for your site, and make the appropriate modifications.

   Check the Result Findings EXAM entry representing Digital rectal exam.
   Make modifications to the EXAM file via the PCE Table Maintenance option.

   If any modifications were required based on the checks above, then copy
   the reminder definition to a new reminder, and make the appropriate
   modifications to the reminder to reflect your site's guidelines.

Target Groups - Baseline:
   Do In Advance Time Frame: 0M - Wait until actually DUE

```
        Sex Specific: MALE
       Ignore on N/A:
```

```
    Frequency for Age Range: 1 year for ages 40 to 75
                  Match Text:
              No Match Text:


Targeted Result Findings for EXAMINATION reminder type:
    EXAM
        RECTAL EXAM

  Target Result Match Text:
             No Match Text: Date of last rectal exam not on file.


Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                    Taxonomy: VA-PROSTATE CA (TF(8))
            Match freq/age:
            Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic:
                  Match Text: Patient known to have HX of prostate cancer.
                             Please verify appropriate TX and F/U is ongoing.
              No Match Text:

        General Match Text:
     General No Match Text:


    2 Health Factor Findings:

        General Match Text:
     General No Match Text:


    3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)

Expanded Apply Logic:
    (SEX)&(AGE)
```

VA-EXERCISE EDUCATION

```
Reminder Type:                EDUCATION

Print Name:                   Exercise Education

Related VA-* Reminder:        VA-*FITNESS AND EXERCISE SCREEN

Reminder Description:
   Exercise education given yearly to all patients.

   This reminder is based on guidelines defined by the Ambulatory Care
   Expert Panel. It also supports the following "Fitness and Exercise
   Counseling" guidelines specified in the "Guidelines for Health Promotion
   and Disease Prevention",M-2, Part IV, Chapter 9.
```

Technical Description:
    Findings to satisfy this reminder are defined in Education Topics and via
    coded values defined in the VA-EXERCISE COUNSELING taxonomy.

    This reminder can be inactivated for a patient by using the INACTIVATE
    EXERCISE SCREEN health factor.

    Check the Education Topics defined in the Results Findings multiple.
    Does your site need to identify new education topics in the Education
    Topics file to represent Exercise Education?

    To update the education topics, use the PCE Table Maintenance options.

    To modify this reminder from its distributed definition, copy the
    reminder to a new reminder and then make the modifications necessary to
    define your sites guideline.

Target Groups - Baseline:
    Do In Advance Time Frame: Do if DUE within 1 month
                Sex Specific:
                Ignore on N/A:

     Frequency for Age Range: 1 year for all ages
                  Match Text: Exercise education due yearly for all ages.
               No Match Text:

Targeted Result Findings for EDUCATION reminder type:
     EDUCATION TOPICS
          VA-EXERCISE
          VA-EXERCISE SCREENING

  Target Result Match Text:
             No Match Text:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                    Taxonomy: VA-EXERCISE COUNSELING (TF(32))
             Match freq/age:
             Rank Frequency:
        Use in Date Due Calc: YES
          Use in Apply Logic:
                  Match Text:
               No Match Text:

         General Match Text:
      General No Match Text:

     2 Health Factor Findings:

               Health Factor: INACTIVATE EXERCISE SCREEN (HF(53))
             Match Freq/Age: 0Y - Not Indicated for all ages
             Rank Frequency:
        Use in Date Due Calc:
          Use in Apply Logic: AND NOT
                  Match Text:
               No Match Text:

```
            Health Factor: ACTIVATE EXERCISE SCREEN (HF(54))
           Match Freq/Age:
           Rank Frequency:
     Use in Date Due Calc:
       Use in Apply Logic:
               Match Text:
            No Match Text:


        General Match Text:
     General No Match Text:


   3 Computed Findings:
Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(53))


  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(INACTIVATE EXERCISE SCREEN))
```

VA-FECAL OCCULT BLOOD TEST

Reminder Type: EXAMINATION

Print Name: Fecal Occult Blood Test

Related VA-* Reminder: VA-*COLORECTAL CANCER SCREEN (FOBT)

Reminder Description:
   Fecal occult blood test due every year for patients ages 50 and older
   with no DX of colorectal cancer. This reminder conservatively recommends
   that if a sigmoidoscopy was received, the next fecal occult blood test
   would be due a year later.

   This reminder is based on guidelines provided by the Ambulatory Care
   Expert Panel. It also satisfies the "Colorectal Cancer Screen - FOBT"
   guidelines specified in the "Guidelines for Health Promotion and Disease
   Prevention", M-2, Part IV, Chapter 9.

Technical Description:
   This reminder depends on Exam findings where an FOBT is completed in the
   clinic, or on Taxonomy Findings representing FOBT.

   Check the Taxonomy Findings entries representing HX of Colorectal Cancer.
   If this taxonomy needs modification, copy the taxonomy to a new taxonomy
   for your site, and make the appropriate modifications.

   Check the Taxonomy Findings entries representing Fecal Occult Blood Test.
   This represents coded standard entries in the CPT file and ICD
   Operation/Procedure file. If this taxonomy needs modification, copy the
   taxonomy to a new taxonomy for your site, and make the appropriate
   modifications.

   Copy the reminder to a new reminder for your local site's modifications.

   NOTE: The Laboratory data is not available use in the reminder. When

```
the lab package begins passing CPT codes for fecal occult blood tests to
PCE, this reminder is ready to make use of the information.
```

```
Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
                Sex Specific:
             Ignore on N/A:


   Frequency for Age Range: 1 year for ages 50 and older
                  Match Text:
            No Match Text:


Targeted Result Findings for EXAMINATION reminder type:
    EXAM
         FOBT(CLINIC)


  Target Result Match Text:
            No Match Text:


Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:


                  Taxonomy: VA-COLORECTAL CA (TF(4))
           Match freq/age: 0Y - Not Indicated for all ages
           Rank Frequency:
     Use in Date Due Calc:
       Use in Apply Logic: AND NOT
                Match Text: Patient known to have HX of colorectal cancer.
                            Please verify appropriate TX & F/U is ongoing.
             No Match Text: No HX of colorectal cancer on file - presumed
                            no HX.


                  Taxonomy: VA-FOBT (TF(27))
           Match freq/age:
           Rank Frequency:
     Use in Date Due Calc: YES
       Use in Apply Logic:
                Match Text:
             No Match Text:


                  Taxonomy: VA-FLEXISIGMOIDOSCOPY (TF(15))
           Match freq/age:
           Rank Frequency:
     Use in Date Due Calc: YES
       Use in Apply Logic:
                Match Text:
             No Match Text:


       General Match Text:
     General No Match Text:


    2 Health Factor Findings:


             Health Factor: INACTIVATE FOBT CANCER SCREEN (HF(49))
           Match Freq/Age: 0Y - Not Indicated for all ages
           Rank Frequency:
     Use in Date Due Calc:
       Use in Apply Logic: AND NOT
                Match Text:
             No Match Text:
```

```
          Health Factor: ACTIVATE FOBT CANCER SCREEN (HF(50))
        Match Freq/Age:
        Rank Frequency:
   Use in Date Due Calc:
     Use in Apply Logic:
            Match Text:
         No Match Text:


     General Match Text:
  General No Match Text:


   3 Computed Findings:
Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(49))&'(TF(4))

  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(INACTIVATE FOBT CANCER SCREEN))&'(TF(VA-COLORECTAL CA))
```

VA-FLEXISIGMOIDOSCOPY

Reminder Type: PROCEDURE

Print Name: Flexisigmoidoscopy

Related VA-* Reminder: VA-*COLORECTAL CANCER SCREEN (SIG.)

Reminder Description:
   Flexisigmoidoscopy every 5 years for patients age 50 and older, with no
   DX of colorectal cancer.

   This reminder is based on guidelines provided by the Ambulatory Care
   Expert Panel and satisfies the sigmoidoscopy requirements for the
   "Colorectal Cancer Detection" guidelines specified in the "Guidelines for
   Health Promotion and Disease Prevention", M-2, Part IV, Chapter 9.

Technical Description:
   Check the Taxonomy Findings entries representing HX of Colorectal Cancer.
   If this taxonomy needs modification, copy the taxonomy to a new taxonomy
   for your site, and make the appropriate modifications.

   Check the Taxonomy Findings entries representing flexisigmoidoscopy
   procedures. This represents coded standard entries in the CPT file and
   ICD Operation/Procedure file. If this taxonomy needs modification, copy
   the taxonomy to a new taxonomy for your site, and make the appropriate
   modifications.

   Copy the reminder to a new reminder for your local sites modifications.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
             Sex Specific:
            Ignore on N/A:

        Frequency for Age Range: 5 years for ages 50 and older
                    Match Text:
                 No Match Text: Flexisigmoidoscopy not indicted for patients
                                under 50.

Targeted Result Findings for PROCEDURE reminder type:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                      Taxonomy: VA-FLEXISIGMOIDOSCOPY (TF(15))
              Match freq/age:
              Rank Frequency:
        Use in Date Due Calc:
          Use in Apply Logic:
                    Match Text:
                 No Match Text: No flexisigmoidoscopy "CPT" or "ICD O/P" on file.

                      Taxonomy: VA-COLORECTAL CA (TF(4))
              Match freq/age:
              Rank Frequency:
        Use in Date Due Calc:
          Use in Apply Logic:
                    Match Text: Patient has HX of colorectal cancer. More
                                detailed F/U indicated.
                 No Match Text:

        General Match Text:
     General No Match Text:

    2 Health Factor Findings:

                 Health Factor: INACTIVATE SIGMOIDOSCOPY (HF(51))
               Match Freq/Age: 0Y - Not Indicated for all ages
              Rank Frequency:
        Use in Date Due Calc:
          Use in Apply Logic: AND NOT
                    Match Text:
                 No Match Text:

                 Health Factor: ACTIVATE SIGMOIDOSCOPY (HF(52))
               Match Freq/Age:
              Rank Frequency:
        Use in Date Due Calc:
          Use in Apply Logic:
                    Match Text:
                 No Match Text:

        General Match Text:
     General No Match Text:

    3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
      (SEX)&(AGE)&'(HF(51))

   Expanded Apply Logic:

```
(SEX)&(AGE)&'(HF(INACTIVATE SIGMOIDOSCOPY))
```

VA-INFLUENZA VACCINE

Reminder Type: IMMUNIZATION

Print Name: Influenza Vaccine

Related VA-* Reminder: VA-*INFLUENZA IMMUNIZATION

Reminder Description:
   Influenza vaccine given yearly for patients ages 65 and older, and for
   patients of any age with a history of any of the following: asthma, COPD,
   DM, ASVCD, CHG, chronic bronchitis, HIV positive or AIDS, renal
   transplant, or cancer chemotherapy.

   This reminder is defined based on guidelines from the Ambulatory Care
   Expert Panel. It also supports the "Influenza Immunization" guidelines
   specified in the "Guidelines for Health Promotion and Disease
   Prevention", M-2, Part IV, Chapter 9.

Technical Description:
   Check the Taxonomy Findings representing High Risk for Flu/Pneumonia. If
   this taxonomy needs modification, copy the taxonomy to a new taxonomy for
   your site, and make the appropriate modifications.

   Copy the reminder to a new reminder for your local sites modifications.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
                Sex Specific:
                Ignore on N/A:

    Frequency for Age Range: 1 year for ages 65 and older
                  Match Text: Influenza vaccine due yearly in patients ages
                              65 and older.
              No Match Text:

Targeted Result Findings for IMMUNIZATION reminder type:
     IMMUNIZATION
         INFLUENZA

  Target Result Match Text:
            No Match Text:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                   Taxonomy: VA-HIGH RISK FOR FLU/PNEUMONIA (TF(9))
            Match freq/age: 1 year for all ages
            Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic:
                 Match Text: Flu shot due yearly in patients any age that
                             have a high risk for flu or pneumonia.
             No Match Text:

```
                   Taxonomy: VA-INFLUENZA IMMUNIZATION (TF(33))
            Match freq/age:
            Rank Frequency:
     Use in Date Due Calc: YES
       Use in Apply Logic:
                Match Text:
             No Match Text:


         General Match Text:
      General No Match Text:


     2 Health Factor Findings:


              Health Factor: INACTIVATE INFLUENZA IMMUNIZATION (HF(55))
             Match Freq/Age: 0Y - Not Indicated for all ages
             Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic: AND NOT
                 Match Text:
              No Match Text:


              Health Factor: ACTIVATE INFLUENZA IMMUNIZATION (HF(56))
             Match Freq/Age:
             Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic:
                 Match Text:
              No Match Text:


         General Match Text:
      General No Match Text:


     3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
     (SEX)&(AGE)&'(HF(55))

   Expanded Apply Logic:
     (SEX)&(AGE)&'(HF(INACTIVATE INFLUENZA IMMUNIZATION))
```

VA-MAMMOGRAM

Reminder Type: RADIOLOGY PROCEDURE

Print Name: Mammogram

Related VA-* Reminder: VA-*BREAST CANCER SCREEN

Reminder Description:
  Mammogram should be given every 2 years to female patients, ages 50-69
  with no DX of breast cancer, and yearly for women with a history of
  breast cancer or breast tumors, ages 35 - 69.

This reminder is based on guidelines provided by the Ambulatory Care
Expert Panel. The expert panel recommends a study for patients with
"high risk for breast cancer" to occur every 1 to 2 years. A conservative
1 year is defined in this reminder definition.

This reminder also supports the "Breast Cancer Detection" reminder
defined in the "Guidelines for Health Promotion and Disease Prevention",
M-2, Part IV, Chapter 9.

Technical Description:
    The findings for mammogram are based on defining the CPT codes
    representing mammograms in a taxonomy for Mammograms. The CPT codes are
    used to search the Radiology procedures in the Radiology package, as well
    as checks for existence of a CPT code in the V CPT file.

    Check the taxonomy findings definition for breast cancer and breast
    tumor. Copy the taxonomies and make modifications if needed.

    If any changes were needed in the findings, copy this reminder to a site
    defined reminder item and make the appropriate modifications.

Target Groups - Baseline:
    Do In Advance Time Frame: Do if DUE within 1 month
                Sex Specific: FEMALE
                Ignore on N/A: S

    Frequency for Age Range: 2 years for ages 50 to 69
                  Match Text: Women ages 50-69 should receive a mammogram
                              every two years.
             No Match Text:

Targeted Result Findings for RADIOLOGY PROCEDURE reminder type:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                    Taxonomy: VA-MAMMOGRAM/SCREEN (TF(16))
               Match freq/age:
               Rank Frequency:
          Use in Date Due Calc: YES
            Use in Apply Logic:
                   Match Text:
                No Match Text:

                    Taxonomy: VA-BREAST TUMOR (TF(18))
               Match freq/age: 1 year for ages 35 to 69
               Rank Frequency:
          Use in Date Due Calc: NO
            Use in Apply Logic:
                   Match Text: History of breast cancer or breast tumor on
                               file. Due yearly for patients ages 35-69.
                No Match Text:

           General Match Text:
        General No Match Text:

    2 Health Factor Findings:

```
                    Health Factor: INACTIVATE BREAST CANCER SCREEN (HF(42))
                   Match Freq/Age: 0Y - Not Indicated for all ages
                   Rank Frequency:
             Use in Date Due Calc:
               Use in Apply Logic: AND NOT
                       Match Text:
                    No Match Text:

                    Health Factor: ACTIVATE BREAST CANCER SCREEN (HF(43))
                   Match Freq/Age:
                   Rank Frequency:
             Use in Date Due Calc:
               Use in Apply Logic:
                       Match Text:
                    No Match Text:

                General Match Text:
             General No Match Text:


       3 Computed Findings:


Default APPLY LOGIC to see if the Reminder should apply to a patient:
     (SEX)&(AGE)&'(HF(42))

   Expanded Apply Logic:
     (SEX)&(AGE)&'(HF(INACTIVATE BREAST CANCER SCREEN))
```

VA-NUTRITION/OBESITY EDUCATION

Reminder Type: EDUCATION

Print Name: Nutrition/Obesity Education

Related VA-* Reminder: VA-*WEIGHT AND NUTRITION SCREEN

Reminder Description:
   Given yearly to patients of any age who have a history of a nutrition
   disorder or a history of obesity. Also given to patients who are
   considered obese based on a Body Mass Index greater than 27, which
   represents weight greater than 120% of Ideal Body Weight.

   This reminder is based on guidelines defined by the Ambulatory Care
   Expert Panel. This reminder also supports the "Weight Control and
   Nutrition Counseling" guidelines defined in the "Guidelines for Health
   Promotion and Disease Prevention", M-2, Part IV, Chapter 9.

Technical Description:
   The most recent taxonomy finding within a taxonomy is presented for
   clinical information.

The most recent health factor finding within a health factor category is
presented for clinical information. If all 6 of the health factors that
are from the NUTRITION health factor category were found for the patient,
only the most recent health factor within the "NUTRITION" health factor
category would be used by the reminder. Since the activate and
inactivate health factors are defined under the "REMINDER CATEGORY" they
are evaluated and the most recent of these two factors would also be used
by the reminder.

```
Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
                Sex Specific:
             Ignore on N/A:

   Frequency for Age Range: 1 year for all ages
                 Match Text: Weight and Nutrition education due yearly for
                             all ages.
             No Match Text:

Targeted Result Findings for EDUCATION reminder type:
    EDUCATION TOPICS
        VA-NUTRITION/OBESITY
        VA-NUTRITION/WEIGHT SCREENING

  Target Result Match Text:
             No Match Text:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                    Taxonomy: VA-OBESITY (TF(20))
            Match freq/age:
            Rank Frequency:
     Use in Date Due Calc:
       Use in Apply Logic:
                  Match Text: Patient has a history of obesity.
               No Match Text: No HX of obesity on file.

                    Taxonomy: VA-NUTRITION (TF(21))
            Match freq/age:
            Rank Frequency:
     Use in Date Due Calc:
       Use in Apply Logic:
                  Match Text: Patient has a history of a nutrition disorder.
               No Match Text: No HX of nutrition disorder on file.

                    Taxonomy: VA-WEIGHT AND NUTRITION SCREEN (TF(36))
            Match freq/age:
            Rank Frequency:
     Use in Date Due Calc: YES
       Use in Apply Logic:
                  Match Text:
               No Match Text:

       General Match Text:
    General No Match Text:
```

```
    2 Health Factor Findings:

          Health Factor: HX NUTRITIONAL DISORDER (HF(25))
         Match Freq/Age:
         Rank Frequency:
 Use in Date Due Calc:
   Use in Apply Logic:
             Match Text:
          No Match Text:

          Health Factor: PREV. SCREEN NUTR. DISORDER (HF(26))
         Match Freq/Age:
         Rank Frequency:
 Use in Date Due Calc:
   Use in Apply Logic:
             Match Text:
          No Match Text:

          Health Factor: IRREGULAR MEALS (HF(27))
         Match Freq/Age:
         Rank Frequency:
 Use in Date Due Calc:
   Use in Apply Logic:
             Match Text:
          No Match Text:

          Health Factor: FREQUENT DIETING (HF(28))
         Match Freq/Age:
         Rank Frequency:
 Use in Date Due Calc:
   Use in Apply Logic:
             Match Text:
          No Match Text:

          Health Factor: FOOD CRAVINGS (HF(29))
         Match Freq/Age:
         Rank Frequency:
 Use in Date Due Calc:
   Use in Apply Logic:
             Match Text:
          No Match Text:

          Health Factor: CURRENTLY PREGNANT (HF(30))
         Match Freq/Age:
         Rank Frequency:
 Use in Date Due Calc:
   Use in Apply Logic:
             Match Text:
          No Match Text:

          Health Factor: INACTIVATE WEIGHT/NUTRITION SCREEN (HF(67))
         Match Freq/Age:
         Rank Frequency:
 Use in Date Due Calc:
   Use in Apply Logic: AND NOT
             Match Text:
          No Match Text:
```

```
          Health Factor: ACTIVATE WEIGHT/NUTRITION SCREEN (HF(68))
         Match Freq/Age:
         Rank Frequency:
   Use in Date Due Calc:
     Use in Apply Logic:
             Match Text:
          No Match Text:


     General Match Text:
  General No Match Text:


   3 Computed Findings:


      Short Description: Calculate BMI>27
                Routine: OBESE;PXRMOBES
         Match Freq/Age:
             Match Text:
          No Match Text:
         Rank Frequency:
   Use in Date Due Calc:
     Use in Apply Logic:


Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(67))


  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(INACTIVE WEIGHT/NUTRITION SCREEN))
```

VA-PAP SMEAR
```
----------------------------------
```

Reminder Type: PROCEDURE

Print Name: Pap Smear

Related VA-* Reminder: VA-*CERVICAL CANCER SCREEN

Reminder Description:
   Pap smear/pelvic exam every three years for female patients, age 65 and
   under, with no DX of cervical cancer or abnormal pap smear and no
   previous abnormal pap smear lab test.

   If patient has had hysterectomy for benign disease, no pap smear is
   indicated.

   This reminder is based on the Ambulatory Care EP and supports the
   "Cervical Cancer Screen" guidelines specified in the "Guidelines for
   Health Promotion and Disease Prevention", M-2, Part IV, Chapter 9.

Technical Description:
   Check the Taxonomy Findings representing history of hysterectomy for
   benign disease, and history of cervical cancer or abnormal PAP. If these
   taxonomies need modifications, copy each to a new taxonomy for your local
   site, and make the appropriate modifications.

   Define Health Factors that may represent Sexual Activity. To add new
   Health Factors use the PCE Table Maintenance option.

   Copy the reminder to a new reminder for your local site modifications.

Target Groups - Baseline:
   Do In Advance Time Frame: Wait until actually DUE
               Sex Specific: FEMALE
               Ignore on N/A: S

    Frequency for Age Range: 3 years for ages 65 and younger
                Match Text: Pap smear/pelvic exam due every 3 years for
                            women ages 65 and younger.
           No Match Text: Pap smear screen not indicated for women over
65.

Targeted Result Findings for PROCEDURE reminder type:

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                   Taxonomy: VA-HYSTERECTOMY (TF(6))
           Match freq/age: 0Y - Not Indicated for all ages
           Rank Frequency:
     Use in Date Due Calc:
       Use in Apply Logic: AND NOT
                 Match Text: Pap not indicated in women with HX hysterectomy
                             for benign disease.
             No Match Text: No HX of hysterectomy - presumed no such HX.

                   Taxonomy: VA-CERVICAL CA/ABNORMAL PAP (TF(5))
           Match freq/age: 0Y - Not Indicated for all ages
           Rank Frequency:
     Use in Date Due Calc:
       Use in Apply Logic: AND NOT
                 Match Text: Patient has HX of cervical cancer. Please
                             verify appropriate TX & F/U is ongoing.
             No Match Text: No HX of cervical cancer on file - no HX
                             cervical cancer presumed.

                   Taxonomy: VA-CERVICAL CANCER SCREEN (TF(30))
           Match freq/age:
           Rank Frequency:
     Use in Date Due Calc: YES
       Use in Apply Logic:
                 Match Text:
             No Match Text: Date of last cervical cancer screen taxonomy
                             unknown.

        General Match Text:
     General No Match Text:

    2 Health Factor Findings:

             Health Factor: INACTIVATE CERVIX CANCER SCREEN (HF(44))
           Match Freq/Age: 0Y - Not Indicated for all ages
           Rank Frequency:

```
Use in Date Due Calc:
  Use in Apply Logic: AND NOT
          Match Text:
       No Match Text:
```

```
              Health Factor: ACTIVATE CERVIX CANCER SCREEN (HF(47))
             Match Freq/Age:
             Rank Frequency:
       Use in Date Due Calc:
         Use in Apply Logic:
                 Match Text:
              No Match Text:

          General Match Text:
       General No Match Text:

       3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(44))&'(TF(6))&'(TF(5))

  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(INACTIVATE CERVIX CANCER SCREEN))&'(TF(VA-
    HYSTERECTOMY))&' (TF(VA-CERVICAL CA/ABNORMAL PAP))
```

VA-PNEUMOVAX
`----------------------------------`

```
Reminder Type:                 IMMUNIZATION

Print Name:                    Pneumovax

Related VA-* Reminder:         VA-*PNEUMOCOCCAL VACCINE

Reminder Description:
   Pneumovax given once to patients 65 and over, and to patients of any age
   with a history of any of the following diagnoses: asthma, COPD, DM,
   ASCVD, CHG, chronic bronchitis, HIV positive or AIDS, renal transplant,
   or cancer chemotherapy.

   This reminder is defined based on guidelines from the Ambulatory Care
   Expert Panel. It also supports the "Pneumococcal Vaccine" guidelines
   specified in the "Guidelines for Health Promotion and Disease
   Prevention", M-2, Part IV, Chapter 9.

Technical Description:
   If this reminder is not going to be used at your facility, the INACTIVE
   FLAG should be set to inactive.

   Check the Taxonomy Findings representing High Risk for Flu/Pneumonia. If
   the taxonomy needs modification, copy the taxonomy to a new taxonomy for
   your site, and make the appropriate modifications.

   Copy the reminder to a new reminder for your local sites modifications.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 3 months
              Sex Specific:
            Ignore on N/A:
```

```
     Frequency for Age Range: 99Y - Once for ages 65 and older
                   Match Text: Pneumovax due once for patients 65 and over.
             No Match Text:


Targeted Result Findings for IMMUNIZATION reminder type:
     IMMUNIZATION
          PNEUMOCOCCAL

  Target Result Match Text:
             No Match Text:


Target Conditions:
     1 Diagnosis/Procedure Taxonomy Findings:

                     Taxonomy: VA-HIGH RISK FOR FLU/PNEUMONIA (TF(9))
             Match freq/age: 99Y - Once for all ages
             Rank Frequency:
       Use in Date Due Calc:
         Use in Apply Logic:
                   Match Text: Pneumovax due once in high risk patients.
                No Match Text: No high risk DX for flu/pneumonia on file.
                               Presumed low risk.

                     Taxonomy: VA-PNEUMOCOCCAL VACCINE (TF(25))
             Match freq/age:
             Rank Frequency:
       Use in Date Due Calc: YES
         Use in Apply Logic:
                   Match Text:
                No Match Text:

        General Match Text:
     General No Match Text:


     2 Health Factor Findings:

               Health Factor: INACTIVATE PNEUMOCOCCAL VACCINE (HF(57))
             Match Freq/Age: 0Y - Not Indicated for all ages
             Rank Frequency:
       Use in Date Due Calc:
         Use in Apply Logic: AND NOT
                   Match Text:
                No Match Text:

               Health Factor: ACTIVATE PNEUMOCOCCAL VACCINE (HF(58))
             Match Freq/Age:
             Rank Frequency:
       Use in Date Due Calc:
         Use in Apply Logic:
                   Match Text:
                No Match Text:

        General Match Text:
     General No Match Text:
```

```
   3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(57))

  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(INACTIVATE PNEUMOCOCCAL VACCINE))
```

VA-PPD

```
Reminder Type:                  SKIN TEST

Print Name:                     PPD

Related VA-* Reminder:

Reminder Description:
   PPD given yearly to patients of any age who have a "High risk DX for TB";
   such as HIV positive or AIDS, homelessness, or alcohol abuse who do not
   have a DX of tuberculosis and no prior positive TB skin test.

   This reminder is based on guidelines provided by the Ambulatory Care
   Expert Panel.

Technical Description:
   Check the Taxonomy Findings representing High Risk for TB. If this
   taxonomy needs modification, copy the taxonomy to a new taxonomy for your
   site, and make the appropriate modifications.

   Define health factors which may represent high risk for TB in the Health
   Factors file via the PCE Table Maintenance options.

   Copy the reminder to a new reminder for your local site modifications.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
               Sex Specific:
              Ignore on N/A:

    Frequency for Age Range: 0Y - Not Indicated for all ages
                 Match Text:
              No Match Text:

Targeted Result Findings for SKIN TEST reminder type:
    SKIN TEST
        PPD

  Target Result Match Text:
            No Match Text: Last date of PPD not known.
```

Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                    Taxonomy: VA-HIGH RISK FOR TB (TF(11))
            Match freq/age: 1 year for all ages
            Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic: AND
                  Match Text: Patient has high risk for TB diagnosis, PPD due
                              yearly.
               No Match Text: Patient may be low risk for TB, where PPD may
                              not be indicated.

                    Taxonomy: VA-TB/POSITIVE PPD (TF(10))
            Match freq/age: 0Y - Not Indicated for all ages
            Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic: AND NOT
                  Match Text: Patient has HX of TB or positive PPD diagnosis.
               No Match Text: No HX of TB or positive PPD diagnosis on file.

          General Match Text:
       General No Match Text:

    2 Health Factor Findings:

          General Match Text:
       General No Match Text:

    3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
      (SEX)&(AGE)&(TF(11))&'(TF(10))

   Expanded Apply Logic:
      (SEX)&(AGE)&(TF(VA-HIGH RISK FOR TB))&'(TF(VA-TB/POSITIVE PPD))

VA-PSA

Reminder Type: LABORATORY TEST

Print Name: PSA

Related VA-* Reminder:

Reminder Description:
   Prostate specific antigen, PSA, due yearly for men ages 50-75, who do not
   have a history of prostate cancer.

   This reminder is based on guidelines defined by the Ambulatory Care
   Expert Panel.

```
Technical Description:
   Check the Taxonomy Findings entries representing HX of prostate cancer.
   If this taxonomy needs modification, copy the taxonomy to a new taxonomy
   for your site, and make the appropriate modifications.

   Copy the reminder to a new reminder for your local sites modifications.

   Use the new reminder to update the Result Findings Laboratory Test entry
   representing PSA tests.

Target Groups - Baseline:
   Do In Advance Time Frame: 0M - Wait until actually DUE
                Sex Specific: MALE
               Ignore on N/A:

    Frequency for Age Range: 1 year for ages 50 to 75
                 Match Text:
              No Match Text:

Targeted Result Findings for LABORATORY TEST reminder type:
    LABORATORY TEST

  Target Result Match Text:
            No Match Text: Date of last PSA not on file. Please order
                           test or document historical encounter activity.

Target Conditions:
   1 Diagnosis/Procedure Taxonomy Findings:

                   Taxonomy: VA-PROSTATE CA (TF(8))
            Match freq/age: 0Y - Not Indicated for all ages
            Rank Frequency:
      Use in Date Due Calc:
        Use in Apply Logic:
                 Match Text: Patient known to have HX of prostate cancer.
                             Please verify appropriate TX and follow-up is
                             ongoing.
              No Match Text:

       General Match Text:
    General No Match Text:

    2 Health Factor Findings:

       General Match Text:
    General No Match Text:

    3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)

Expanded Apply Logic:
    (SEX)&(AGE)
```

VA-SEATBELT EDUCATION

Reminder Type: EDUCATION

Print Name: Seat Belt Education

Related VA-* Reminder: VA-*SEATBELT AND ACCIDENT SCREEN

Reminder Description:
    Seat belt education given yearly to all patients.

    This reminder is based on guidelines defined by the Ambulatory Care
    Expert Panel and is further supported by the "Seatbelt Use and Accident
    Avoidance Counseling" guideline specified in the "Guidelines for Health
    Promotion and Disease Prevention", M-2, Part IV, Chapter 9.

        Target Condition: Motor vehicle associated injuries.

        Target Group: General Outpatient population.

        Recommendation: All patients should be urged to use seatbelts in
        automobiles, wear helmets when riding bicycles or motorcycles, and to
        refrain from driving after drinking.

        Goal for FY 2000: 85% of Veterans report regular use of seatbelts in
        automobiles. 80% of motorcyclists and 50% of bicyclists report use of
        helmets. 50% of primary care providers routinely provide
        age-appropriate counseling on safety precautions to prevent
        unintentional injury.

Technical Description:
    If this reminder is not going to be used at your facility, the INACTIVE
    FLAG should be set to inactive.

    The VA-SEAT BELT EDUCATION" reminder is a variation of the "VA-SEAT BELT
    AND ACCIDENT SCREEN" reminder. The VA-SEAT BELT EDUCATION" reminder is
    recommended by the Ambulatory Care EP to check for seat belt use
    education given to the patient, in addition to the screening.

    Please review both of these related reminder definitions, choose one of
    them to use. If local modifications need to be made, copy the preferred
    reminder to a new reminder and make your reminder modifications.

    It may be useful to add Health Factors that indicate whether the patient
    is still driving, rides motorcycles, or rides bicycles for local site
    use. This would involve adding new Health Factors to the Health Factor
    file (#9999999.64) and then adding the Health Factors to a local site
    definition of the seat belt reminder.

Target Groups - Baseline:
    Do In Advance Time Frame: Do if DUE within 1 month
              Sex Specific:
              Ignore on N/A:

    Frequency for Age Range: 1 year for all ages
                Match Text: Seat belt education due yearly for all ages.

```
No Match Text:
```

```
Targeted Result Findings for EDUCATION reminder type:
    EDUCATION TOPICS
         VA-SEAT BELT USE
         VA-SEAT BELT USE SCREENING

  Target Result Match Text:
             No Match Text:


Target Conditions:
    1 Diagnosis/Procedure Taxonomy Findings:

                    Taxonomy: VA-SAFETY COUNSELING (TF(35))
            Match freq/age:
            Rank Frequency:
      Use in Date Due Calc: YES
        Use in Apply Logic:
                 Match Text:
              No Match Text:


         General Match Text:
      General No Match Text:


    2 Health Factor Findings:

               Health Factor: INACTIVATE SEATBELT SCREEN (HF(61))
              Match Freq/Age: 0Y - Not Indicated for all ages
              Rank Frequency:
        Use in Date Due Calc:
          Use in Apply Logic: AND NOT
                 Match Text:
              No Match Text:


               Health Factor: ACTIVATE SEATBELT SCREEN (HF(62))
              Match Freq/Age:
              Rank Frequency:
        Use in Date Due Calc:
          Use in Apply Logic:
                 Match Text:
              No Match Text:


         General Match Text:
      General No Match Text:


    3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(61))

  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(INACTIVATE SEATBELT SCREEN))
```

VA-TOBACCO EDUCATION

Reminder Type: EDUCATION

Print Name: Tobacco Cessation Education

Related VA-* Reminder: VA-*TOBACCO USE SCREEN

Reminder Description:
   Tobacco use cessation education should be offered annually to any patient
   who has a diagnosis or health factor associated with chronic tobacco use.

   This reminder is based on guidelines defined by the Ambulatory Care
   Expert Panel and satisfies the "Smoking and Tobacco Use Counseling"
   guidelines specified in the "Guidelines for Health Promotion and Disease
   Prevention",M-2, Part IV, Chapter 9.

   Modifications to these guidelines for your local site may be reflected in
   a new reminder definition.

Technical Description:
   Check the ICD Diagnosis entries defined in the PCE Taxonomy file for
   VA-TOBACCO USE. Reflect any changes in a new taxonomy definition.

   Check/Modify the health factors defined within the Tobacco category in
   the Health Factors file. The Health Factors file can be modified using
   the PCE Table Maintenance options.

   If the reminder needs modifications, copy it and modify the new reminder
   to meet local site guidelines.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
              Sex Specific:
             Ignore on N/A:

    Frequency for Age Range: 1 year for all ages
                Match Text:
             No Match Text:

Targeted Result Findings for EDUCATION reminder type:
     EDUCATION TOPICS
          VA-TOBACCO USE SCREENING
          VA-SMOKING CESSATION

  Target Result Match Text:
             No Match Text: No history of tobacco education/screen on file.
                            Please evaluate tobacco use and educate if
                            currently in use.

Target Conditions:
     1 Diagnosis/Procedure Taxonomy Findings:

```
                 Taxonomy: VA-TOBACCO USE (TF(22))
          Match freq/age:
          Rank Frequency:
   Use in Date Due Calc:
     Use in Apply Logic:
               Match Text: Patient has a history of tobacco use.
            No Match Text: No history of tobacco use found. Presumed to be
                           former or current smoker. Please indicate via
                           health factor (Lifetime non-smoker, or other
                           health factor) if the tobacco education is not
                           indicated.


      General Match Text:
   General No Match Text:


 2 Health Factor Findings:


             Health Factor: HISTORY OF SMOKING (HF(31))
           Match Freq/Age:
           Rank Frequency:
    Use in Date Due Calc:
      Use in Apply Logic:
               Match Text:
            No Match Text: No history of smoking found.


             Health Factor: HX OF SEC. SMOKE INHALATIION (HF(32))
           Match Freq/Age:
           Rank Frequency:
    Use in Date Due Calc:
      Use in Apply Logic:
               Match Text:
            No Match Text: Patient has no history of secondary smoke
                           inhalation.


             Health Factor: LIFETIME NON-SMOKER (HF(5))
           Match Freq/Age: 0Y - Not Indicated for all ages
           Rank Frequency:
    Use in Date Due Calc:
      Use in Apply Logic: AND NOT
               Match Text: Patient is lifetime non-smoker, tobacco
                           education not indicated.
            No Match Text:


             Health Factor: CURRENT SMOKER (HF(2))
           Match Freq/Age:
           Rank Frequency:
    Use in Date Due Calc:
      Use in Apply Logic:
               Match Text:
            No Match Text:


             Health Factor: CURRENT NON-SMOKER (HF(3))
           Match Freq/Age:
           Rank Frequency:
    Use in Date Due Calc:
      Use in Apply Logic:
               Match Text:
```

```
No Match Text:
```

```
         Health Factor: LIFETIME NON-TOBACCO USER (HF(37))
        Match Freq/Age: 0Y - Not Indicated for all ages
        Rank Frequency:
   Use in Date Due Calc:
      Use in Apply Logic: AND NOT
            Match Text: Patient is lifetime non-tobacco user, tobacco
                        education not indicated.
         No Match Text:

         Health Factor: SMOKELESS TOBACCO USER (HF(38))
        Match Freq/Age:
        Rank Frequency:
   Use in Date Due Calc:
      Use in Apply Logic:
            Match Text:
         No Match Text:

         Health Factor: HX OF CHEWING TOBACCO (HF(33))
        Match Freq/Age:
        Rank Frequency:
   Use in Date Due Calc:
      Use in Apply Logic:
            Match Text:
         No Match Text:

         Health Factor: CURRENT SMOKELESS TOBACCO USER (HF(39))
        Match Freq/Age:
        Rank Frequency:
   Use in Date Due Calc: YES
      Use in Apply Logic:
            Match Text:
         No Match Text:

         Health Factor: INACTIVATE TOBACCO USE SCREEN (HF(65))
        Match Freq/Age:
        Rank Frequency:
   Use in Date Due Calc:
      Use in Apply Logic: AND NOT
            Match Text:
         No Match Text:

     General Match Text:
  General No Match Text:


   3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)&'(HF(5))&'(HF(37))&'(HF(65))

  Expanded Apply Logic:
    (SEX)&(AGE)&'(HF(LIFETIME NON-SMOKER))&'(HF(LIFETIME NON-TOBACCO USER))&'
    (HF(INACTIVATE TOBACCO USE SCREEN))
```

VA-WEIGHT
```
-----------------------------------
```

Reminder Type: MEASUREMENT

Print Name: Weight

Related VA-* Reminder:

Reminder Description:
   The patient's weight should be documented yearly.

Technical Description:
   This reminder is based on guidelines defined by the Ambulatory Care
   Expert Panel.

Target Groups - Baseline:
   Do In Advance Time Frame: Do if DUE within 1 month
                Sex Specific:
                Ignore on N/A:

    Frequency for Age Range: 1 year for all ages
                  Match Text:
              No Match Text:

Targeted Result Findings for MEASUREMENT reminder type:
    GMRV VITAL TYPE
        WEIGHT

  Target Result Match Text:
             No Match Text: No weight measurement on record, please record
                            now.

Target Conditions:
   1 Diagnosis/Procedure Taxonomy Findings:

        General Match Text:
     General No Match Text:

   2 Health Factor Findings:

        General Match Text:
     General No Match Text:

   3 Computed Findings:

Default APPLY LOGIC to see if the Reminder should apply to a patient:
    (SEX)&(AGE)

  Expanded Apply Logic:
    (SEX)&(AGE)

(This page included for two-sided copying.)

Appendix A-9   Distributed Taxonomies

```
PCE TAXONOMY LIST                      APR 21,1997 10:58             PAGE 1
NAME
             LOW                   HIGH
             CODED                 CODED
             VALUE                 VALUE           SOURCE FILE
------------------------------------------------------------------------------
VA-ALCOHOLISM SCREENING
             V79.1                 V79.1           ICD DIAGNOSIS

VA-BREAST TUMOR
             174                   174.9           ICD DIAGNOSIS
             198.81                198.81          ICD DIAGNOSIS
             238.3                 238.3           ICD DIAGNOSIS
             239.3                 239.3           ICD DIAGNOSIS
             233.0                 233.0           ICD DIAGNOSIS
             217                   217             ICD DIAGNOSIS
             610                   610.9           ICD DIAGNOSIS
             611                   611             ICD DIAGNOSIS
             611.                5 611.5           ICD DIAGNOSIS
             611.71                611.72          ICD DIAGNOSIS
             611.9                 611.9           ICD DIAGNOSIS
             675.1                 675.14          ICD DIAGNOSIS
             757.6                 757.6           ICD DIAGNOSIS
             922.0                 922.0           ICD DIAGNOSIS
             793.8                 793.8           ICD DIAGNOSIS
             V10.3                 V10.3           ICD DIAGNOSIS

VA-CERVICAL CA/ABNORMAL PAP
             180                   180.9           ICD DIAGNOSIS
             198.82                198.82          ICD DIAGNOSIS
             233.1                 233.3           ICD DIAGNOSIS
             795.0                 795.0           ICD DIAGNOSIS

VA-CERVICAL CANCER SCREEN
             Q0091                 Q0091           CPT
             V76.2                 V76.2           ICD DIAGNOSIS
             Q0060                 Q0061           CPT
             P3000                 P3001           CPT
             88150                 88150           CPT
             91.46                 91.46           ICD OPERATION/PROCEDURE

VA-CHOLESTEROL
             G0054                 G0054           CPT
             83718                 83721           CPT
             80061                 80061           CPT
             82465                 82470           CPT
             83700                 83705           CPT

VA-COLORECTAL CA
             154.0                 154.8           ICD DIAGNOSIS
             197.5                 197.5           ICD DIAGNOSIS
             230.3                 230.4           ICD DIAGNOSIS
```

```
PCE TAXONOMY LIST                      APR 21,1997 10:58              PAGE 2
NAME
               LOW                     HIGH
               CODED                   CODED
               VALUE                   VALUE              SOURCE FILE
--------------------------------------------------------------------------


VA-COLORECTAL CANCER SCREEN
               V76.41                  V76.41             ICD DIAGNOSIS

VA-DIABETES
               250                     250.9              ICD DIAGNOSIS

VA-EXERCISE COUNSELING
               V65.41                  V65.41             ICD DIAGNOSIS

VA-FLEXISIGMOIDOSCOPY
               45.24                   45.24              ICD OPERATION/PROCEDURE
               45330                   45385              CPT

VA-FOBT
               82270                   82273              CPT

VA-HIGH RISK FOR FLU/PNEUMONIA
               493.0                   493.91             ICD DIAGNOSIS
               496                     496                ICD DIAGNOSIS
               250.00                  250.9              ICD DIAGNOSIS
               429.2                   429.2              ICD DIAGNOSIS
               428.0                   428.9              ICD DIAGNOSIS
               491.0                   491.9              ICD DIAGNOSIS
               044.9                   044.9              ICD DIAGNOSIS
               042.0                   043.9              ICD DIAGNOSIS
               V42.0                   V42.0              ICD DIAGNOSIS
               585                     585                ICD DIAGNOSIS
               V58.1                   V58.1              ICD DIAGNOSIS
               V66.2                   V66.2              ICD DIAGNOSIS
               99.52                   99.52              ICD OPERATION/PROCEDURE
               V67.2                   V67.2              ICD DIAGNOSIS

VA-HIGH RISK FOR TB
               044.9                   044.9              ICD DIAGNOSIS
               042.0                   043.9              ICD DIAGNOSIS
               V60.0                   V60.0              ICD DIAGNOSIS
               303.0                   304.90             ICD DIAGNOSIS
               305.0                   305.0              ICD DIAGNOSIS

VA-HYPERTENSION
               401.0                   405.99             ICD DIAGNOSIS

VA-HYPERTENSION SCREEN
               V81.1                   V81.1              ICD DIAGNOSIS
               80060                   80060              CPT

VA-HYSTERECTOMY
               68.3                    68.9               ICD OPERATION/PROCEDURE
```

Appendix A-9   Distributed Taxonomies

```
          LOW                     HIGH
          CODED                   CODED
          VALUE                   VALUE              SOURCE FILE
-------------------------------------------------------------------------


VA-INFLUENZA IMMUNIZATION
          V04.8                   V04.8              ICD DIAGNOSIS
          90724                   90724              CPT
          Q0034                   Q0034              CPT
          G0008                   G0008              CPT

VA-MAMMOGRAM/SCREEN
          76090                   76092              CPT
          V76.1                   V76.1              ICD DIAGNOSIS

VA-MASTECTOMY
          85.23                   85.23              ICD OPERATION/PROCEDURE
          85.41                   85.48              ICD OPERATION/PROCEDURE
          19140                   19140              CPT
          19160                   19160              CPT
          19162                   19162              CPT
          19180                   19180              CPT
          19182                   19182              CPT
          19200                   19200              CPT
          19220                   19220              CPT
          T1950                   T1999              CPT

VA-NUTRITION
          260                     260                ICD DIAGNOSIS
          261                     261                ICD DIAGNOSIS
          263                     263.2              ICD DIAGNOSIS
          263.8                   263.8              ICD DIAGNOSIS
          263.9                   263.9              ICD DIAGNOSIS
          264                     264.9              ICD DIAGNOSIS
          265                     265.2              ICD DIAGNOSIS
          266                     266.9              ICD DIAGNOSIS
          267                     267                ICD DIAGNOSIS
          268                     268.9              ICD DIAGNOSIS
          269                     269.9              ICD DIAGNOSIS
          281.1                   281.11             ICD DIAGNOSIS
          783.0                   783.4              ICD DIAGNOSIS
          377.33                  377.33             ICD DIAGNOSIS
          425.7                   425.7              ICD DIAGNOSIS
          760.4                   760.4              ICD DIAGNOSIS
          783.6                   783.9              ICD DIAGNOSIS
          V69.1                   V69.1

VA-OBESITY
          278.0                   278.01             ICD DIAGNOSIS
          783.1                   783.1              ICD DIAGNOSIS
          43842                   43842              CPT
          43846                   43846              CPT
          44131                   44131              CPT
          99078                   99078              CPT
```

```
PCE TAXONOMY LIST                     APR 21,1997 10:58              PAGE 4
NAME
              LOW                     HIGH
              CODED                   CODED
              VALUE                   VALUE            SOURCE FILE
--------------------------------------------------------------------------


VA-PNEUMOCOCCAL VACCINE
              99.55                   99.55            ICD OPERATION/PROCEDURE
              99.59                   99.59            ICD OPERATION/PROCEDURE
              G0009                   G0009            CPT
              90732                   90732            CPT
              V06.6                   V06.6            ICD DIAGNOSIS

VA-PROSTATE CA
              185                     185              ICD DIAGNOSIS
              198.82                  198.82           ICD DIAGNOSIS
              233.4                   233.4            ICD DIAGNOSIS

VA-PSA
              84153                   84153            CPT

VA-SAFETY COUNSELING
              V65.43                  V65.43           ICD DIAGNOSIS

VA-TB/POSITIVE PPD
              010.0                   018.9            ICD DIAGNOSIS
              795.5                   795.5            ICD DIAGNOSIS

VA-TETANUS DIPHTHERIA
              90700                   90703            CPT
              90711                   90711            CPT
              90718                   90721            CPT
              99.36                   99.38            ICD OPERATION/PROCEDURE
              V03.5                   V03.5            ICD DIAGNOSIS
              V03.7                   V03.7            ICD DIAGNOSIS
              V06.1                   V06.5            ICD DIAGNOSIS

VA-TOBACCO USE
              305.1                   305.1            ICD DIAGNOSIS
              305.10                  305.11           ICD DIAGNOSIS
              V15.82                  V15.82           ICD DIAGNOSIS

VA-WEIGHT AND NUTRITION SCREEN
              V65.3                   V65.3            ICD DIAGNOSIS
              V77.8                   V77.9            ICD DIAGNOSIS
```

Appendix A-10   Sample Health Summaries

```
                                                         04/24/97 10:28
*********************** CONFIDENTIAL REMTEST SUMMARY ***********************
PCEPATIENT,THREE        666-78-7654                        DOB: 08/18/24


------------------------ CM - Clinical Maintenance ----------------------
  The following disease screening, immunization and patient education
  recommendations are offered as guidelines to assist in your practice.
  These are only recommendations, not practice standards. The
  appropriate utilization of these for your individual patient must be
  based on clinical judgment and the patient's current status.


                                    --NEXT-- --LAST--
Cholesterol Screen (Male)           N/A
   Patient's age (72) is greater than reminder maximum age of 65.
   LAB: Date of last cholesterol test unknown.

Fecal Occult Blood Test             07/02/97 07/02/96
   2/5/97 Health Factor: ACTIVATE FOBT CANCER SCREEN
   7/2/96 Encounter Procedure: 45330-SIGMOIDOSCOPY, DIAGNOSTIC
   7/2/96 Encounter Procedure: 82270-TEST FECES FOR BLOOD
   FOBT due 5 years after the last sigmoidoscopy.
   Final Frequency and Age Range used: 1 year for ages 50 and older.


Flexisigmoidoscopy                  N/A
   2/5/97 Health Factor: INACTIVATE SIGMOIDOSCOPY
   7/2/96 Encounter Procedure: 45330-SIGMOIDOSCOPY, DIAGNOSTIC
   7/2/96 Encounter Procedure: 82270-TEST FECES FOR BLOOD
   Final Frequency and Age Range used: 0Y - Not Indicated for ages 50
   and older.

Exercise Education                  DUE NOW   unknown
   Final Frequency and Age Range used: 1 year for all ages.

Hypertension Detection              DUE NOW   unknown
   Vitals: Date of last Vitals BP Measurement unknown.
   Date of last ICD or CPT coded hypertension screen unknown.
   Final Frequency and Age Range used: 2 years for all ages.

Influenza Immunization              07/02/97 07/02/96
   7/2/96 Encounter Procedure: 90724-INFLUENZA IMMUNIZATION
   Influenza vaccine due yearly in patients ages 65 and older.
   Final Frequency and Age Range used: 1 year for ages 65 and older.

Pneumovax                           DONE     07/01/96
   7/1/96 Encounter Procedure: 90732-PNEUMOCOCCAL IMMUNIZATION
   Pneumovax due once for patients 65 and over.
   Final Frequency and Age Range used: 99Y - Once for ages 65 and older.

Problem Drinking Screen             DUE NOW   unknown
   Screen for alcohol problems yearly for all patients.
   Final Frequency and Age Range used: 1 year for all ages.
```

```
                                                           04/24/97 10:28
*********************** CONFIDENTIAL REMTEST SUMMARY ************************
PCEPATIENT,THREE      666-78-7654                          DOB: 08/18/24

Seatbelt and Accident Screen       DUE NOW   unknown
   Seatbelt education due yearly for all patients.
   Final Frequency and Age Range used: 1 year for all ages.

Tobacco Use Screen                 DUE NOW   unknown
   Tobacco use screen due yearly for all ages.
   No history of tobacco use screen on file. Please evaluate tobacco
   use and educate if currently in use.
   Final Frequency and Age Range used: 1 year for all ages.

Weight and Nutrition Screen        DUE NOW   unknown
   Weight and Nutrition screen due yearly for all patients.
   Final Frequency and Age Range used: 1 year for all ages.

Advanced Directives Education      DUE NOW   unknown
   No record of Advanced Directives education/screening on file.
   Final Frequency and Age Range used: 99Y - Once for all ages.

Alcohol Abuse Education            DUE NOW   unknown
   Alcohol abuse education due yearly for all ages.
   Final Frequency and Age Range used: 1 year for all ages.

Blood Pressure Check               DUE NOW   unknown
   Vitals: Date of last Vitals blood pressure measurement unknown.
   No HX of HTN on file. No HX of hypertension presumed.
   Final Frequency and Age Range used: 2 years for all ages.

Breast Exam                        N/A
   Patient is the wrong sex for this reminder.

Breast Self Exam Education         N/A
   Patient is the wrong sex for this reminder.

Digital Rectal (Prostate) Exam     DUE NOW   unknown
   Date of last rectal exam not on file.
   Final Frequency and Age Range used: 1 year for ages 40 to 75.

Exercise Education                 DUE NOW   unknown
   Exercise education due yearly for all ages.
   Final Frequency and Age Range used: 1 year for all ages.

Fecal Occult Blood Test            07/02/97 07/02/96
   2/5/97 Health Factor: ACTIVATE FOBT CANCER SCREEN
   7/2/96 Encounter Procedure: 45330-SIGMOIDOSCOPY, DIAGNOSTIC
   7/2/96 Encounter Procedure: 82270-TEST FECES FOR BLOOD
   No HX of colorectal cancer on file - presumed no HX.
   Final Frequency and Age Range used: 1 year for ages 50 and older.

Flexisigmoidoscopy                 N/A
   2/5/97 Health Factor: INACTIVATE SIGMOIDOSCOPY
   7/2/96 Encounter Procedure: 45330-SIGMOIDOSCOPY, DIAGNOSTIC
   Final Frequency and Age Range used: 0Y - Not Indicated for all ages.
```

```
                                                        04/24/97 10:28
*********************** CONFIDENTIAL REMTEST SUMMARY ***********************
PCEPATIENT,THREE      666-78-7654                       DOB: 08/18/24

Influenza Vaccine                  07/02/97 07/02/96
   7/2/96 Encounter Procedure: 90724-INFLUENZA IMMUNIZATION
   Influenza vaccine due yearly in patients ages 65 and older.
   Final Frequency and Age Range used: 1 year for ages 65 and older.

PPD                                N/A
   Last date of PPD not known.
   Patient may be low risk for TB, where PPD may not be indicated.
   No HX of TB or positive PPD diagnosis on file.
   Final Frequency and Age Range used: 0Y - Not Indicated for all ages.

PSA                                DUE NOW  unknown
   Date of last PSA not on file. Please order test or document
   historical encounter activity.
   Final Frequency and Age Range used: 1 year for ages 50 to 75.

Seat Belt Education                DUE NOW  unknown
   Seat belt education due yearly for all ages.
   Final Frequency and Age Range used: 1 year for all ages.

Tobacco Cessation Education        DUE NOW  unknown
   No history of smoking found.
   Patient has no history of secondary smoke inhalation.
   No history of tobacco education/screen on file. Please evaluate
   tobacco use and educate if currently in use.
   No history of tobacco use found. Presumed to be former or current
   smoker. Please indicate via health factor (Lifetime non-smoker, or
   other health factor) if the tobacco education is not indicated.
   Final Frequency and Age Range used: 1 year for all ages.

Weight                             DUE NOW  unknown
   No weight measurement on record, please record now.
   Final Frequency and Age Range used: 1 year for all ages.

DIABETIC FOOT EXAM                 N/A


------------------------- CR - Clinical Reminders -----------------------

  The following disease screening, immunization and patient education
  recommendations are offered as guidelines to assist in your practice.
  These are only recommendations, not practice standards. The
  appropriate utilization of these for your individual patient must be
  based on clinical judgment and the patient's current status.


                                   --NEXT-- --LAST--
Advanced Directives Education      DUE NOW  unknown
Alcohol Abuse Education            DUE NOW  unknown
Exercise Education                 DUE NOW  unknown
Seat Belt Education                DUE NOW  unknown
Tobacco Cessation Education        DUE NOW  unknown
* END *
```

```
                                                      04/24/97 10:31
*********************** CONFIDENTIAL REMTEST SUMMARY ***********************
PCEPATIENT,ONE          000-45-6789                    DOB: 04/01/44

------------------------ CM - Clinical Maintenance -----------------------

  The following disease screening, immunization and patient education
  recommendations are offered as guidelines to assist in your practice.
  These are only recommendations, not practice standards. The
  appropriate utilization of these for your individual patient must be
  based on clinical judgment and the patient's current status.


                                 --NEXT-- --LAST--
Breast Cancer Screen             02/21/99 02/21/97
   4/29/96 Health Factor: ACTIVATE BREAST CANCER SCREEN
   2/21/97 Encounter Procedure: 76092-MAMM0GRAM, SCREENING
   Health Factor comments: Activate health factor comments
   History of mammogram/screen on file.
   Final Frequency and Age Range used: 2 years for ages 50 to 69.


Pap Smear                        DUE NOW   unknown
   Women ages 65 and younger should receive a cervical cancer screen
   every 3 years.
   No record of cervical cancer screen taxonomy on file
   Final Frequency and Age Range used: 3 years for ages 65 and younger.


Cholesterol Screen (Female)      DUE NOW   unknown
   Check total cholesterol every 5 years for women ages 45-65.
   LAB: Date of last cholesterol test unknown.
   Final Frequency and Age Range used: 5 years for ages 45 to 65.


Fecal Occult Blood Test          08/09/01 08/09/96
   6/13/95 Encounter Procedure: 45333-SIGMOIDOSCOPY & POLYPECTOMY
   8/9/96 Examination: FOBT(CLINIC)
   FOBT due 5 years after the last sigmoidoscopy.
   Final Frequency and Age Range used: 5 years for ages 50 and older.


Flexisigmoidoscopy               08/09/01 08/09/96
   6/13/95 Encounter Procedure: 45333-SIGMOIDOSCOPY & POLYPECTOMY
   8/9/96 Examination: FOBT(CLINIC)
   Final Frequency and Age Range used: 5 years for ages 50 and older.


Exercise Education               DUE NOW   unknown
   Final Frequency and Age Range used: 1 year for all ages.


Hypertension Detection           08/13/98 08/13/96
   8/13/96 Measurement: BLOOD PRESSURE; results - 132/72
   Date of last ICD or CPT coded hypertension screen unknown.
   Final Frequency and Age Range used: 2 years for all ages.


Influenza Immunization              N/A
   2/21/97 Encounter Procedure: 90724-INFLUENZA IMMUNIZATION
   Influenza vaccine not indicated for patients under 65.
   Patient's age (53) is less than reminder minimum age of 65.
```

```
                                                        04/24/97 10:31
*********************** CONFIDENTIAL REMTEST SUMMARY ***********************
PCEPATIENT,ONE          000-45-6789                     DOB: 04/01/44


----------------------- CM - Clinical Maintenance -----------------------

Pneumovax                        N/A
   8/22/96 Encounter Procedure: 90732-PNEUMOCOCCAL IMMUNIZATION
   Patient's age (53) is less than reminder minimum age of 65.

Problem Drinking Screen          DUE NOW   unknown
   Screen for alcohol problems yearly for all patients.
   Final Frequency and Age Range used: 1 year for all ages.

Seatbelt and Accident Screen     DUE NOW   unknown
   Seatbelt education due yearly for all patients.
   Final Frequency and Age Range used: 1 year for all ages.

Tobacco Use Screen               DUE NOW   unknown
   Tobacco use screen due yearly for all ages.
   No history of tobacco use screen on file. Please evaluate tobacco
   use and educate if currently in use.
   Final Frequency and Age Range used: 1 year for all ages.

Weight and Nutrition Screen      DUE NOW   unknown
   Weight and Nutrition screen due yearly for all patients.
   Final Frequency and Age Range used: 1 year for all ages.

Advanced Directives Education    DONE     10/17/96
   10/17/96 Education: Advanced Directive Screening
   Final Frequency and Age Range used: 99Y - Once for all ages.

Alcohol Abuse Education          09/12/97 09/12/96
   9/11/96 Encounter Diagnosis: 571.3-ALCOHOL LIVER DAMAGE NOS
   Alcohol abuse education due yearly for all ages.
   9/12/96 Education: Alcohol Abuse
   Final Frequency and Age Range used: 1 year for all ages.

Blood Pressure Check             DUE NOW   09/03/96
   8/22/96 Problem Diagnosis: 405.99-SECOND HYPERTENSION NEC
   9/3/96 Encounter Diagnosis: 401.9-HYPERTENSION NOS
   8/13/96 Measurement: BLOOD PRESSURE; results - 132/72
   History of hypertension on record. BP due every visit in patients
   with HTN.
   Final Frequency and Age Range used: 1 day for all ages.

Breast Exam                      DUE NOW   unknown
   Date of last breast exam unknown. Please document last exam or
   perform today.
   Final Frequency and Age Range used: 1 year for ages 40 and older.

Breast Self Exam Education       DUE NOW   unknown
   Date of last breast self exam education not known.
   No HX breast cancer presumed.
   Final Frequency and Age Range used: 1 year for all ages.
```

```
                                                      04/24/97 10:31
*********************** CONFIDENTIAL REMTEST SUMMARY ***********************
PCEPATIENT,ONE         000-45-6789                     DOB: 04/01/44


------------------------ CM - Clinical Maintenance ----------------------

Digital Rectal (Prostate) Exam     N/A
   Patient is the wrong sex for this reminder.

Exercise Education                 DUE NOW  unknown
   Exercise education due yearly for all ages.
   Final Frequency and Age Range used: 1 year for all ages.

Fecal Occult Blood Test            08/09/97 08/09/96
   6/13/95 Encounter Procedure: 45333-SIGMOIDOSCOPY & POLYPECTOMY
   8/9/96 Examination: FOBT(CLINIC)
   No HX of colorectal cancer on file - presumed no HX.
   Final Frequency and Age Range used: 1 year for ages 50 and older.

Flexisigmoidoscopy                 06/13/00 06/13/95
   6/13/95 Encounter Procedure: 45333-SIGMOIDOSCOPY & POLYPECTOMY
   Final Frequency and Age Range used: 5 years for ages 50 and older.

Influenza Vaccine                  02/21/98 02/21/97
   9/26/96 Problem Diagnosis: 250.01-DIABETES MELLI W/0 COMP TYP I
   9/18/96 Encounter Diagnosis: 250.13-DIABETES W/KETOACID. TYPE I
   2/21/97 Encounter Procedure: 90724-INFLUENZA IMMUNIZATION
   Flu shot due yearly in patients any age that have a high risk for flu
   or pneumonia.
   Final Frequency and Age Range used: 1 year for all ages.

Mammogram                          02/21/99 02/21/97
   4/29/96 Health Factor: ACTIVATE BREAST CANCER SCREEN
   2/21/97 Encounter Procedure: 76092-MAMM0GRAM, SCREENING
   Women ages 50-69 should receive a mammogram every two years.
   Health Factor comments: Activate health factor comments
   No history of breast cancer/tumor on file.
   Final Frequency and Age Range used: 2 years for ages 50 to 69.
   8/26/96 Radiology Procedure: 76091-MAMMOGRAM, BOTH BREASTS; MAMMOGRAM
   BILAT

PPD                                N/A
   9/11/96 Skin test: PPD
   Patient may be low risk for TB, where PPD may not be indicated.
   No HX of TB or positive PPD diagnosis on file.
   Final Frequency and Age Range used: 0Y - Not Indicated for all ages.

PSA                                N/A
   Patient is the wrong sex for this reminder.

Seat Belt Education                DUE NOW  unknown
   Seat belt education due yearly for all ages.
   Final Frequency and Age Range used: 1 year for all ages.
```

```
                                                    04/24/97 10:31
*********************** CONFIDENTIAL REMTEST SUMMARY ***********************
PCEPATIENT,ONE          000-45-6789                    DOB: 04/01/44

------------------------ CM - Clinical Maintenance -----------------------

Tobacco Cessation Education        DUE NOW unknown
   9/25/96 Encounter Diagnosis: 305.1-TOBACCO USE DISORDER
   No history of smoking found.
   Patient has no history of secondary smoke inhalation.
   No history of tobacco education/screen on file. Please evaluate
   tobacco use and educate if currently in use.
   Patient has a history of tobacco use.
   Final Frequency and Age Range used: 1 year for all ages.

Weight                          08/13/97 08/13/96
   8/13/96 Measurement: WEIGHT; results - 103
   Final Frequency and Age Range used: 1 year for all ages.

DIABETIC FOOT EXAM               DUE NOW  unknown
   9/26/96 Problem Diagnosis: 250.01-DIABETES MELLI W/0 COMP TYP I
   9/18/96 Encounter Diagnosis: 250.13-DIABETES W/KETOACID. TYPE I
   Final Frequency and Age Range used: 1 year for all ages.


------------------------- CR - Clinical Reminders ------------------------

  The following disease screening, immunization and patient education
  recommendations are offered as guidelines to assist in your practice.
  These are only recommendations, not practice standards. The
  appropriate utilization of these for your individual patient must be
  based on clinical judgment and the patient's current status.


                                  --NEXT--  --LAST--
Exercise Education                DUE NOW   unknown
Seat Belt Education               DUE NOW   unknown
Tobacco Cessation Education       DUE NOW   unknown
Breast Self Exam Education        DUE NOW   unknown
* END *
```

(This page included for two-sided copying.)

Appendix A-11 - PCE/SD Debugging Utilities

The PCE/SD Debugging Utilities menu [PXQ PCE/SD DEBUGGING UTILITIES] is available from the PCE IRM Main Menu [PX IRM MAIN MENU].

```
Select Option: PCE IRM Main Menu  PX IRM MAIN MENU

   SP     PCE Site Parameter Menu ...
   TBL    PCE Table Maintenance ...
   DE     PCE/SD Debugging Utilities ...
   INFO   PCE Information Only ...
   RM     Reminder Managers Menu ...
   CR     PCE Clinical Reports ...
   HOME   Directions to Patient's Home Add/Edit
   CO     PCE Coordinator Menu ...
   CL     PCE Clinician Menu ...

Select PCE IRM Main Menu <TEST ACCOUNT> Option: De PCE/SD Debugging Utilities

   U      User's Visit Review
   V      PCE V File Cross Reference Repair

Select PCE/SD Debugging Utilities <TEST ACCOUNT> Option:
```

The main menu for the PCE/Scheduling Debugging Utilities contains these two options. Below is a description of the options.

PXQ USER REVIEW – User's Visit Review

This is a report of the visits and the files that store the visit-related information.

PX V File Repair – PCE V File Cross Reference Repair

This option provides a number of options that allow the user to both report on and fix broken V File Cross References.

Note: Caution should be exercised when using this option. Only those experienced with programming should attempt to use the PCE V File Cross Reference Repair.

Here is the User's Visit Review option and menu:

```
Select PCE IRM Main Menu <TEST ACCOUNT> Option: De PCE/SD Debugging Utilities

   U      User's Visit Review
   V      PCE V File Cross Reference Repair




Select PCE/SD Debugging Utilities <TEST ACCOUNT> Option: U  User's Visit
Review

      Select one of the following:


         P         Patient List of Visits
         I         Internal Entry Number of VISIT

Enter '^' to exit
Select by (P)atient or (I)en: I// Patient List of Visits
Patient Name: PCEPATIENT,THIRTEEN
Enter Starting Date (eg. T-4) : JAN 1,2005//
Enter Ending Date : JAN 1,2015//
```

Example output:

```
PAT/SEX/AGE/SSN: PCEPATIENT,THIRTEEN      MALE      77 Years        999-99-9999
ENCOUNTERS: ...Select an ENCOUNTER .....

_____
                  - - 2 8   E N C O U N T E R S - -
No. DATE            TIME       HOSPITAL LOCATION   CATEGORY     UNIQUE I D
1   MAR 22, 2006    10:05      CHY RECORD REVIEW-X PRIMARY        4KDF1-CHY
2   MAR 10, 2005    22:00      ZZCHY PROSTH SERVIC PRIMARY        3X198-CHY
3   FEB 03, 2005    22:00      ZZCHY PROSTH SERVIC PRIMARY        3V661-CHY
4   JAN 27, 2005    10:00      CHY OT EDDY         PRIMARY        3TT6T-CHY
5   JAN 10, 2005    22:00      ZZCHY PROSTH SERVIC PRIMARY        3T08C-CHY
6   JAN 09, 2005    23:26      C MEDICINE          PRIMARY        3V0DH-CHY
7   JAN 09, 2005    10:45      C MEDICINE          PRIMARY        3V0DF-CHY
8   JAN 08, 2005    12:26      C MEDICINE          PRIMARY        3V0DB-CHY
9   JAN 07, 2005    20:38      C MEDICINE          PRIMARY        3V0D7-CHY
10  JAN 07, 2005    09:00      CHY PT ROTH         PRIMARY        3RVV5-CHY


'RETURN' to continue or '-' for previous screen
Select Encounter by entering the ITEM No. : 9
```

After selecting the item, select from this menu (D, A, or C):

```
Expanded Profile    Jul 26, 1996 08:52:10   Page:  3 of  5
Select one of the following:


         D          Default (first field of each file/subfile)
         A          All fields in a file/subfile (except 'NULL')
         C          Customized by User (Default plus added fields)


~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
To Customize your display use VA Fileman to add entries in file
```

```
PCE CUSTOMIZE REPORT, with your NAME, FILE/SUBFILE#s, and FIELD#s
that you want to have included in the report.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Enter '^^' to exit option
Format of Print out: D// efault (first field of each file/subfile)

DEVICE: HOME// ;132;444  HOME  (CRT)

******************************************************************
***  R E C O R D   O F   R E L A T E D   E N T R I E S  ***

          The Following is the VISIT file entry and
           ALL records pointing back to this entry.

                VISIT RECORD    --- #2022565

                DATE/TIME --- JAN 07, 2005@20:38
                PATIENT   --- KLANG,RODOLFO BURRI
                LOCATION  --- C MEDICINE

   _____
     FILE = VISIT #9000010  RECORD #2022565
         VISIT/ADMIT DATE&TIME         = JAN 07, 2005@20:38
         DATE VISIT CREATED            = FEB 01, 2005@08:02:32
         TYPE                          = VA
         PATIENT NAME                  = PCEPATIENT,THIRTEEN
         LOC. OF ENCOUNTER             = CHEYENNE VAMC
         SERVICE CATEGORY              = IN HOSPITAL
         DSS ID                        = GENERAL MEDICAL
         DEPENDENT ENTRY COUNT         = 3
         DELETE FLAG                   =
         PARENT VISIT LINK             =
         DATE LAST MODIFIED            = FEB 04, 2005@10:01:34
         CHECK OUT DATE&TIME           =
         ELIGIBILITY                   = NSC
         HOSPITAL LOCATION             = C MEDICINE
         CREATED BY USER               = PCECREATOR, THIRTEEN
         OPTION USED TO CREATE         = PXCE ENCOUNTER ENTRY SUPER
         PROTOCOL                      = PXCE SDAM STANDALONE
         PFSS ACCOUNT REFERENCE        =
         OUTSIDE LOCATION              =
         VISIT ID                      = 3V0D7-CHY
         PATIENT STATUS IN/OUT         = IN
         ENCOUNTER TYPE                = PRIMARY
         SERVICE CONNECTED             =
         AGENT ORANGE EXPOSURE         =
         IONIZING RADIATION EXPOSURE   =
         SW ASIA CONDITIONS            =
         MILITARY SEXUAL TRAUMA        =
         HEAD AND/OR NECK CANCER       =
         COMBAT VETERAN                =
         PROJ 112/SHAD                 =
         SERVICE CONNECTION EDIT FLAG  =
         AGENT ORANGE EDIT FLAG        =
         IONIZING RADIATION EDIT FLAG  =
         SW ASIA CONDITIONS EDIT FLAG  =
```

```
        MST EDIT FLAG                =
        HEAD AND NECK CANCER EDIT FLAG =
        COMBAT VETERAN EDIT FLAG    =
        PROJ 112/SHAD EDIT FLAG     =
        COMMENTS                    =
        PACKAGE                     = PCE PATIENT CARE ENCOUNTER
        DATA SOURCE                 = PXCE DATA ENTRY
        3M TOTAL REIMBURSEMENT      =
        3M STATUS                   =
        3M BILL TYPE                =
        3M APG CODE                 =
        3M APG TEXT                 =
        3M APG WEIGHT               =
        3M APC COPAY AMOUNT         =
        3M APC CLAIM TYPE           =
        3M APC TOTAL WEIGHT         =
        3M APC HCFA AMT             =
_____
   FILE = V PROVIDER #9000010.06  RECORD #1528925
        PROVIDER                    = PCEPROVIDER,THIRTEEN
_____
   FILE = V POV #9000010.07  RECORD #1475570
        POV                         = 332.0
_____
   FILE = V CPT #9000010.18  RECORD #2557396
        CPT                         = 99231
        QUANTITY                    = 1
_____

      The Following is the SCHEDULING VISITS file.
     This is where Scheduling stores the CPT codes.

THERE ARE PROCEDURES IN PCE BUT NO RECORD IN SCHEDULING **

      END OF DISPLAY
```

Note: the D, A, or C options produce a similar report, as does the selecting by IEN instead of Patient Name.

Now showing the PCE V File Cross Reference Repair selections:

```
Select PCE/SD Debugging Utilities <TEST ACCOUNT> Option: V  PCE V File Cross
Reference Repair

                 NOTES CONCERNING THIS OPTION

  These options will check for broken cross-references in all of
          the PCE visit files. It is interactive.
 'S' will go through ONLY the 'B' X-REF of each file looking for problems.
        To EXIT the program, you can enter an '^' at any prompt.
 At about 1 minute intervals a message will come up telling you
               how much work has already been done.

     Select one of the following:
```

```
        S           Screen of 4 'MAIN' files
        P           Provider V PROVIDER FILE
        D           Diagnosis V POV FILE
        C           CPT V CPT FILE
        V           Visit VISIT FILE
        O           Other 6 V Files
        R           Repair 4 'MAIN' V Files without prompting (automatic)
        F           Fix ALL files without prompting (automatic)

Which file do you need to fix : P// Screen of 4 'MAIN' files

Screening the V PROVIDER file
...

   - - M O N I T O R  AT 1 MINUTE- - DEC 11, 2017@12:12:11
FILE                TOTAL           #FINISHED       %COMPLETED
V PROVIDER          10342557        28002           .2707%
V POV               14562656        0               0%
V CPT               22134716        0               0%
VISIT               40190715        0               0%
NONE                4465635         0               0%.....
```

Looking at the Visit file:

```
Select PCE/SD Debugging Utilities <TEST ACCOUNT> Option: V  PCE V File Cross
Reference Repair

               NOTES CONCERNING THIS OPTION

  These options will check for broken cross-references in all of
          the PCE visit files. It is interactive.
 'S' will go through ONLY the 'B' X-REF of each file looking for problems.
        To EXIT the program, you can enter an '^' at any prompt.
 At about 1 minute intervals a message will come up telling you
              how much work has already been done.

    Select one of the following:

        S           Screen of 4 'MAIN' files
        P           Provider V PROVIDER FILE
        D           Diagnosis V POV FILE
        C           CPT V CPT FILE
        V           Visit VISIT FILE
        O           Other 6 V Files
        R           Repair 4 'MAIN' V Files without prompting (automatic)
        F           Fix ALL files without prompting (automatic)

Which file do you need to fix : P// Visit VISIT FILE
Eliminate Prompting for Confirmation?  NO//

Checking the VISIT FILE #9000010 (VISITS)

    Select one of the following:

        AA          AA X-REF
```

```
             AAH        AAH X-REF
             AD         AD X-REF
             ADEL       ADEL X-REF
             AET        AET X-REF
             AHL        AHL X-REF
             B          B X-REF
             C          C X-REF
             VID        VID X-REF
             ALL        ALL X-REFERENCES

Select a VISIT Cross-reference: : B//
```

The Visit file selection (for another example):

```
Select PCE/SD Debugging Utilities <TEST ACCOUNT> Option: V  PCE V File Cross
Reference Repair

                  NOTES CONCERNING THIS OPTION

  These options will check for broken cross-references in all of
           the PCE visit files. It is interactive.
 'S' will go through ONLY the 'B' X-REF of each file looking for problems.
        To EXIT the program, you can enter an '^' at any prompt.
 At about 1 minute intervals a message will come up telling you
               how much work has already been done.

     Select one of the following:

         S          Screen of 4 'MAIN' files
         P          Provider V PROVIDER FILE
         D          Diagnosis V POV FILE
         C          CPT V CPT FILE
         V          Visit VISIT FILE
         O          Other 6 V Files
         R          Repair 4 'MAIN' V Files without prompting (automatic)
         F          Fix ALL files without prompting (automatic)

Which file do you need to fix : P// Visit VISIT FILE
Eliminate Prompting for Confirmation?  NO//

Checking the VISIT FILE #9000010 (VISITS)


     Select one of the following:

         AA         AA X-REF
         AAH        AAH X-REF
         AD         AD X-REF
         ADEL       ADEL X-REF
         AET        AET X-REF
         AHL        AHL X-REF
         B          B X-REF
         C          C X-REF
         VID        VID X-REF
         ALL        ALL X-REFERENCES
```

```
Select a VISIT Cross-reference: : B//
```

Caution should be exercised when using this option. Only those experienced with programming should attempt to use the PCE V File Cross Reference Repair.

Appendix B - Orientation of MAS Users to PCE

Orient your MAS users to changes in their Appointment Management and Disposition functionality resulting from PCE/Scheduling integration.

Dispositions

Create a DISPOSITION CLINIC for each division in your facility using the "Set Up a Clinic" option on the Scheduling Supervisor Menu.

• If you are a multi-divisional facility and you want to credit disposition workload for each division, set up a DISPOSITION CLINIC for each division. Make sure you define each DISPOSITION CLINIC so that it is easily associated with the division for which you want to credit workload.

• If you are a single-division facility, you should define only one DISPOSITION CLINIC.

• The DISPOSITION CLINICS are *only* used with Dispositions.

• PCE recommends creating a clinic defined as Disposition, with a Stop Code number of 102. This clinic should be used with all dispositions.

• Use "PCE Edit Disposition Clinics" option located on the "PCE Site Parameter Menu" to enter the DISPOSITION CLINICs defined for use with Dispositions for your facility. The purpose of this is to restrict the Hospital Location for a Disposition to DISPOSITION CLINICs only.

• In single-division facilities, the hospital location for Dispositions will be stuffed automatically, and you will not be prompted to select a DISPOSITION HOSPITAL LOCATION.

PCE Edit Disposition Clinics Example

```
Select PCE Site Parameter Menu Option: PCE Edit Disposition Clinics
Select PCE PARAMETERS ONE: 1
Select DISPOSITION HOSPITAL LOCATIONS: ?
 Answer with DISPOSITION HOSPITAL LOCATIONS
Choose from:
   DISPOSITION 1
   DISPOSITION 2
      You may enter a new DISPOSITION HOSPITAL LOCATIONS, if you wish
 Answer with HOSPITAL LOCATION NAME, or ABBREVIATION
 Do you want the entire 58-Entry HOSPITAL LOCATION List? n
Select DISPOSITION HOSPITAL LOCATIONS: DISPOSITION 1
```

Checkout Interview

Checkout and Add/Edit on the Appointment Manager menu have been changed by PCE to comply with new requirements that every encounter must have a provider, diagnosis, and procedure associated with it. You will still enter the checkout information through the same menu and options, but the appearance on your computer screen changes when you get to the prompts relating to the new requirements.

You are prompted to enter Provider, Service-connection status, Diagnosis (and designate a primary diagnosis), and Procedure (or CPT codes). You may also specify if the Diagnosis is added to the patient's Problem List.

A provider key isn't required for the providers entered here.

REMEMBER: Entering one or two question marks provides help (including lists of acceptable CPT codes, Diagnoses, and Stop Codes) on how to respond to prompts.

Steps to use the Checkout Interview:

1. Select Checkout Interview from the Appointment Manager Menu and select the appointment you want to check out.

```
Appt Mgt Module            Jul 29, 1996 17:54:16        Page: 1 of  2
Patient: PCEPATIENT,ONE (6789)                              Outpatient
Total Appointment Profile                      06/29/96 thru 04/24/99
        Clinic             Appt Date/Time       Status
  1   Cardiology           Jul 09, 1996 09:00   No Action Taken
  2   Diabetes Clinic      Jul 18, 1996 16:48   Action Req/Checked Out
  3   Old                  Jul 18, 1996 16:53   Checked Out
  4   Cardiology           Jul 22, 1996 09:00   Checked Out
  5   Diabetes Clinic      Jul 22, 1996 11:00   Checked Out
  6   Cardiology           Jul 23, 1996 09:00   No Action Taken
+          Enter ?? for more actions
CI   Check In         PT  Change Patient      CO   Check Out
UN   Unscheduled Visit CL  Change Clinic       EC   Edit Classification
MA   Make Appointment  CD  Change Date Range   PR   Provider Update
CA   Cancel Appointment EP  Expand Entry        DX   Diagnosis Update
NS   No Show           AE  Add/Edit            DE   Delete Check Out
DC   Discharge Clinic  RT  Record Tracking     CP   Procedure Update
AL   Appointment Lists PD  Patient Demographics
Select Action: Next Screen// CO=6   Check Out
```

NOTE: The response CO=6 above is a shortcut to selecting the action Check-Out (CO) and then selecting which appointment to do the Checkout on. If you only entered CO, you would then be prompted to select an appointment.

2. Answer prompts about follow-up appointment, check-out date and time, and classification.

```
     6   Cardiology             Jul 23, 1996 09:00   No Action Taken
Do you wish to make a follow-up appointment? YES// NO
Check out date and time:  NOW//   (JUL 29, 1996@17:54)

--- Classification --- [Required]

Was treatment for SC Condition? NO
Was treatment related to Agent Orange Exposure? NO
Was treatment related to Ionizing Radiation Exposure? NO
Was treatment related to Environmental Contaminant Exposure? NO
Was treatment related to Military Sexual Trauma? NO
Was treatment related to Head nad/or Neck Cancer? NO
```

You now see the new screens from PCE.

3. Enter all providers associated with this encounter.
One primary provider must be designated for each encounter.

```
PAT/APPT/CLINIC:  PCEPATIENT,ONE  JUL 23, 1996@09:00        CARDIOLOGY
PROVIDER: ...There is 1 PROVIDER associated with this encounter.
Previous Entry:   PCEPROVIDER,ONE
                  - - E N C O U N T E R   P R O V I D E R S - -
No. PROVIDER
1   PCEPROVIDER,ONE*           PRIMARY




Enter PROVIDER: PCEPROVIDER,TWO
```

4. Enter the diagnoses. Specify which is the primary diagnosis for this encounter, and if it should be added to the Problem List.

```
PAT/APPT/CLINIC:  PCEPATIENT,ONE   JUL 23, 1996@09:00          CARDIOLOGY
ICD9 CODE: V70.3 --MED EXAM NEC-ADMIN PURP      PRIMARY

─────────────────────────────────────────────────────────────────────────
        - - E N C O U N T E R   D I A G N O S I S   (ICD9 CODES) - -
No.  ICD    DESCRIPTION                                       PROBLEM LIST
                     No DIAGNOSIS for this Encounter.




Enter Diagnosis : V70.3--MED EXAM NEC-ADMIN PURP

ONE primary diagnosis must be established for each encounter!
Is this the PRIMARY DIAGNOSIS for this ENCOUNTER? YES// [ENTER]

Enter NEXT Diagnosis: [ENTER]
Would you like to add this Diagnosis to the Problem List? NO// YES

Enter PROVIDER associated with PROBLEM: PCEPROVIDER,ONE// [ENTER]
```

NOTE: If more than one diagnosis is entered, you are only prompted once, at the end, to add any of them to the Problem List.

```
PAT/APPT/CLINIC:PCEPATIENT,ONE JUL 29, 1996@18:08 ADMITTING AND SCREEN
ICD9 CODE: ...There is 1 PROVIDER associated with this encounter.
Previous Entry:   557.9
─────────────────────────────────────────────────────────────────────────
        - - E N C O U N T E R   D I A G N O S I S   (ICD9 CODES) - -
No.  ICD    DESCRIPTION                                       PROBLEM LIST
1    446.1*  MUCOCUTAN LYMPH NODE SYN
2    557.9*  VASC INSUFF INTEST NOS
3    227.0*  BENIGN NEOPLASM ADRENAL        PRIMARY




Enter NEXT Diagnosis: [ENTER]
Would you like to add any Diagnoses to the Problem List? NO// YES
Select 1 or several Diagnoses (eg 1,3,4,7,3-6,2-5): 1
Enter PROVIDER associated with PROBLEM: PCEPROVIDER,TEN // [ENTER]
```

5. Next enter the procedure(s) performed.

```
PAT/APPT/CLINIC:  PCEPATIENT,ONE  JUL 23, 1996@09:00      CARDIOLOGY
PROVIDER: ...There is 1 PROVIDER associated with this encounter.
         - - E N C O U N T E R  P R O C E D U R E S (CPT CODES) - -
No. CPT CODE  QUANTITY   DESCRIPTION                     PROVIDER




Enter PROCEDURE (CPT CODE): 22600-- NECK SPINE FUSION

How many times was this procedure performed: 1//  [ENTER]
Enter PROVIDER associated with PROCEDURE: PCEPROVIDER,ONE // PCEPROVIDER,TEN
```

You may enter more procedures, along with the associated provider.

```
PAT/APPT/CLINIC:  PCEPATIENT,ONE  JUL 23, 1996@09:00      CARDIOLOGY
PROVIDER: ...Enter the provider associated with the CPT'S.....
    CPT: ...There is 1 PROCEDURE associated with this encounter.
         - - E N C O U N T E R  P R O C E D U R E S (CPT CODES) - -
No. CPT CODE  QUANTITY   DESCRIPTION                     PROVIDER
1   22600*     1         NECK SPINE FUSION               PCEPROVIDER,TEN




Enter NEXT PROCEDURE (CPT CODE): [ENTER]
```

NOTE: To delete Provider, Diagnosis, or Procedure entries, type @ and the number of the entry (for example, @1 would delete the NECK SPINE FUSION procedure shown above).

6. You are then be taken back to the Scheduling screens you're familiar with.

```
Check Out                     Jul 29, 1996 18:12:52     Page:  1 of    2
Patient: PCEPATIENT,ONE (6789)                       Clinic: ADMITTING AN
Disposition Date/Time: Jul 29, 1996 18:08              Checked Out: YES


      CLASSIFICATION     [Required]
 1       Treatment for SC Condition: YES
 2            Agent Orange Exposure: Not Applicable
 3     Ionizing Radiation Exposure: Not Applicable
 4       Environmental Contaminants: Not Applicable




      PROVIDER    [Required]           DIAGNOSIS    [Required]
 1  PCEPROVIDER,TEN              1  446.1    MUCOCUTAN LYMPH NODE SYN
                                2  557.9    VASC INSUFF INTEST NOS
                                3  227.0    BENIGN NEOPLASM ADRENAL

+          Enter ?? for more actions
CD  (Check Out Date)  EC  Edit Classification   PD  Patient Demographics
AP  Appointment       PR  Provider Update        RT  Record Tracking
DC  Discharge Clinic  DX  Diagnosis Update       CP  Procedure Update
AE  Add/Edit          IN  Interview
Select Action: Next Screen// DX   Diagnosis Update
```

NOTE: If you don't answer the Procedure prompt when you're using the Add/Edit action to add a Standalone Encounter, you will be prompted for Stop Code. If you don't enter anything at the Procedure or Stop Code prompt , you are prompted to delete the encounter.

```
PAT/APPT/CLINIC:  PCEPATIENT,ONE  JUL 29, 1996@13:00       HAND
PROVIDER: ...Enter the provider associated with the CPT'S.....
    CPT: ...There are 0 PROCEDURES associated with this encounter.
        - - E N C O U N T E R  P R O C E D U R E S (CPT CODES) - -
No. CPT CODE   QUANTITY   DESCRIPTION                PROVIDER
               No CPT CODES for this Encounter.



Enter PROCEDURE (CPT CODE): [ENTER]
```

```
PAT/APPT/CLINIC:  PCEPATIENT,ONE  JUL 29, 1996@13:00            HAND
STOP CODE: ..There are 0 STOP CODES associated with this ENCOUNTER

          - - E N C O U N T E R   S T O P   C O D E S - -
No. CODE     DESCRIPTION
               No STOP CODE for this ENCOUNTER.



Enter a STOP CODE: [ENTER]
```

```
Must have a STOP CODE or a PROCEDURE to complete this action.
Do you want to delete this encounter? NO// YES
```

Online Help for Checkout Interview

Extensive help is available at all prompts within the Checkout Interview. The examples below demonstrate the layered structure for getting more detailed help.

NOTE that the help appears above the prompt.

Examples of help at the Provider prompt

```
PAT/APPT/CLINIC:  PCEPATIENT,ONE  JUL 29, 1996@13:00           HAND
PROVIDER: ...There is 1 PROVIDER associated with this encounter.
_____
              - - E N C O U N T E R   P R O V I D E R S - -
No. PROVIDER
1   PCEPROVIDER,ONE               PRIMARY

Enter a PROVIDER associated with this patient ENCOUNTER.
You can enter partial names to receive a short list.
Above is a list of PROVIDERS already entered. If there are any
additional ones, they should be entered at this time.
 * indicates that the entry has been visited during this session.
For more detailed HELP and selection lists enter ??


Enter PROVIDER: ?
```

```
              - - E N C O U N T E R   P R O V I D E R S - -

To receive detailed help for ADD or DELETE enter the following:

  A   to get help on how to ADD providers.
  D   to get help on how to DELETE providers.
  E   to get help on how to EDIT providers.

To receive more SELECTION LISTS enter the following:

  1   to get a list of ALL active providers.
  2   to get a list of CLINIC providers.
  3   to get a list of ENCOUNTER FORM providers.

Enter '^' to leave HELP CENTER
Enter a letter or number for additional help: A
```

```
PAT/APPT/CLINIC:  PCEPATIENT,ONE  JUL 29, 1996@13:00        HAND
PROVIDER: ...There is 1 PROVIDER associated with this encounter.
_____
              - - E N C O U N T E R   P R O V I D E R S - -

To ADD a PROVIDER enter one of the following:
  PROVIDER NAME (eg. PCEPROVIDER,SIX)
  PARTIAL LAST NAME of the PROVIDER (eg. PCE or PCEPRO)

Enter '^' to leave HELP CENTER
Enter a letter or number for additional help: 1
```

```
PAT/APPT/CLINIC:  PCEPATIENT,ONE  JUL 29, 1996@13:00        HAND
PROVIDER: ...There is 1 PROVIDER associated with this encounter.
_____
HELP SCREEN   - - A L L   P R O V I D E R S - -
ITEM  NAME
1      PCEPROVIDER,THREE
2      PCEPROVIDER,FOUR
3      PCEPROVIDER,FIVE
4      PCEPROVIDER,EIGHT
5      PCEPROVIDER,NINE
6      PCEPROVIDER,ELEVEN
7      PCEPROVIDER,SIX
8      PCEPROVIDER,TWELVE
9      PCEPROVIDERA,ONE
10     PCEPROVIDERA,TWO



Enter '^' to quit,  '-' for previous page.
Select a single 'ITEM NUMBER' or 'RETURN' to continue: ^
```