Patient Care Encounter (PCE) V. 1.0 User Manual Appendices
August 1996

Appendices A - Clinical Reminders Guidelines & Worksheets

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Revision History

Initiated on 11/19/04

Date	Description (Patch # if applic.)	Project Manager	Technical Writer
11/19/04	Manual updated to comply with SOP 192-352 Displaying Sensitive Data		Corinne Bailey

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.

Health Summary reminder 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.

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***IST***A** 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. The IRMS person may enter a NOIS for correction of the error.

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.

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) **A/I**	**AMB CARE EP/SITE EXAMPLES DISTRIBUTED (VA- prefix)** **A/I**	**LOCAL SITE GUIDELINE** **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.

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.

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): _____

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.

FILE	PREFIX	Description	Method to Define Items Not in the file
60	L	LABORATORY TEST (NOTE: Chem & Hem only)	See Lab Coordinator
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): _____

_____

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):_____
_____

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): _____

_____

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	

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 ICD9), 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, 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.

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
    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

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:

```
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:
```

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(INACTIVATE 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)

Appendix A-9
Distributed Taxonomies

PCE TAXONOMY LIST APR 21,1997 10:58 PAGE 1

NAME	LOW CODED VALUE	HIGH CODED 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

NAME	LOW CODED VALUE	HIGH CODED 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

NAME	LOW CODED VALUE	HIGH CODED 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

NAME	LOW CODED VALUE	HIGH CODED 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.

********** 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 *

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
ICD 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
ICD 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: ^
```