



Update_2_0_103

Clinical Reminders

VA-TESTOSTERONE MEDICATION REQUEST

Install Guide

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Product Development
Office of Information Technology
Department of Veterans Affairs

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Introduction

Testosterone treatment is only indicated for Veterans who have a confirmed diagnosis of male hypogonadism, defined as a syndrome of symptoms and signs of testosterone deficiency and consistently low serum testosterone levels on at least two occasions, caused by primary testicular failure or hypothalamic-pituitary disorders. Prior to initiation of testosterone treatment, the potential benefits and risks of therapy should be discussed. After starting testosterone therapy, both efficacy and safety should be monitored.

The following order template for an initial and first renewal VA prescriptions for testosterone was developed to assist clinicians in assuring that testosterone is prescribed and monitored appropriately, in accordance with national guidelines and VA criteria for use.

This template is not mandated for use; however, all facilities should still install this template. POC for clinical subject matter questions is Dr. Leonard Pogach, National Program Director for Endocrinology and Diabetes, Office of Specialty Care Services (Leonard.Pogach@va.gov).

UPDATE_2_0_103 contains 1 Reminder Exchange entry:

UPDATE_2_0_103 VA-TESTOSTERONE MEDICATION REQUEST

The exchange file contains the following components:

VA GENERIC

PHENYTOIN
CARBAMAZEPINE
PENOBARBITAL
PREDNISONE

TIU TEMPLATE FIELD

VA-FTM CRITERIA FOR USE

HEALTH FACTORS

VA-REMINDER UPDATES
VA-UPDATE_2_0_103

REMINDER SPONSOR

OFFICE OF PATIENT CARE SERVICES
OFFICE OF SPECIALTY CARE SERVICES

REMINDER TAXONOMY

VA-DIABETES
VA-TESTOSTERONE DIAGNOSIS

REMINDER TERM

VA-REMINDER UPDATE_2_0_103

REMINDER DEFINITION

VA-DIABETES OBJECT
VA-TESTOSTERONE MED PRESCRIPTION OBJECT
VA-TESTOSTERONE DIAGNOSIS OBJECT

REMINDER DIALOG

VA-TESTOSTERONE MEDICATION REQUEST

HEALTH SUMMARY COMPONENT

LAB TESTS SELECTED
CLINICAL REMINDERS FINDINGS

HEALTH SUMMARY TYPE

VA-TEST LABS
VA-DIABETES OBJECT
VA-TEST MED
VA-TEST DIAG

HEALTH SUMMARY OBJECTS

VA-TEST LABS (TIU)
VA-DIABETES OBJECT (TIU)
VA-TEST MED (TIU)
VA-TEST DIAG (TIU)

TIU DOCUMENT DEFINITION

VA-TEST LABS
VA-DIABETES OBJECT
VA-TEST MED
VA-TEST DIAG

Install Details

This update is being distributed as a web host file. The address for the host file is:

http://vista.med.va.gov/reminders/UPDATE_2_0_103.PRD

The file will be installed using Reminder Exchange, programmer access is not required.

Installation:

=====

This update can be loaded with users on the system. Installation will take less than 15 minutes.

Install Example

If your site is unable to use LWH functionality, use VistA mail to install the exchange file.

To Load the Web Host File. Navigate to Reminder exchange in Vista

```
+      + Next Screen  - Prev Screen  ?? More Actions  >>>
CFE Create Exchange File Entry      LHF Load Host File
CHF Create Host File                 LMM Load MailMan Message
CMM Create MailMan Message           LWH Load Web Host File
DFE Delete Exchange File Entry       RI  Reminder Definition Inquiry
IFE Install Exchange File Entry       RP  Repack
IH  Installation History
Select Action: Next Screen// LWH  Load Web Host File ←
Input the URL for the .prd file: http://vista.med.va.gov/reminders/UPDATE_2_0_103.PRD
```

At the **Select Action:** prompt, enter **LWH** for Load Web Host File

At the **Input the url for the .prd file:** prompt, type the following web address:

http://vista.med.va.gov/reminders/UPDATE_2_0_103.PRD

```
http://vista.med.va.gov/reminders/UPDATE_2_0_103.PRD successfully loaded.
```

You should see a message at the top of your screen that the file successfully loaded.

Search and locate an entry titled **UPDATE_2_0_103 VA-TESTOSTERONE MEDICATION REQUEST** in reminder exchange

```
+Item  Entry                               Source                               Date Packed
 306  UPDATE_2_0_103 VA-TESTOSTERONE MEDICATION REQUEST ←
 307  UPDATE_2_0_105 PNEUMOCOCCAL UPDATES MONTGOMERY@SALT LAKE CI 12/05/2019@06:34
 308  UPDATE_2_0_105 PNEUMOCOCCAL UPDATES MONTGOMERY@SALT LAKE CI 12/05/2019@10:37
 309  UPDATE_2_0_105 PNEUMOCOCCAL UPDATES MONTGOMERY@SALT LAKE CI 12/26/2019@05:31
 310  UPDATE_2_0_11  BENZODIAZEPINE/O SILVERMAN@SALT LAKE CI 04/14/2016@13:40
+      + Next Screen  - Prev Screen  ?? More Actions  >>>
CFE Create Exchange File Entry      LHF Load Host File
CHF Create Host File                 LMM Load MailMan Message
CMM Create MailMan Message           LWH Load Web Host File
DFE Delete Exchange File Entry       RI  Reminder Definition Inquiry
IFE Install Exchange File Entry       RP  Repack
IH  Installation History
Select Action: Next Screen// IFE  Install Exchange File Entry
Enter a list or range of numbers (1-665): 306
```

At the **Select Action** prompt, enter **IFE** for Install Exchange File Entry

Enter the number that corresponds with your entry titled **UPDATE_2_0_103 VA-**

TESTOSTERONE MEDICATION REQUEST (in this example it is entry 306, it will vary by site)

```

Component                                     Category   Exists
Source:      PLOTT,JOSEPH G at SALT LAKE CITY
Date Packed: 01/08/2020@08:46:21
Package Version: 2.0P35

Description:
The following Clinical Reminder items were selected for packing:
REMINDER DIALOG
  VA-TESTOSTERONE MEDICATION REQUEST

REMINDER TERM
  VA-REMINDER UPDATE_2_0_103

Keywords:

Components:

+      Enter ?? for more actions      >>>
IA  Install all Components             IS  Install Selected Component
Select Action: Next Screen// IA

```

At the **Select Action** prompt, type **IA** for Install all Components and hit enter.
 Select Action: Next Screen// **IA Install all Components**

During the installation, you will see several prompts:
 You will **Install (I)** all new components and **Skip (S)** any existing components

Next, you will be prompted to install the dialog component:

```

Item  Seq. Dialog Findings                               Type  Exists
-----
1     VA-TESTOSTERONE MEDICATION REQUEST                dialog
2     10 VA-TESTOSTERONE DRUG REQUEST VERSION           element
      Finding: *NONE*
3     20 VA-TXTZ TESTOSTERONE TEMPLATE INTRO           element
      Finding: *NONE*
4     30 VA-GP TESTOSTERONE TYPE OF PRESCRIPTION        group
      Finding: *NONE*
5     30.10 VA-GP TESTOSTERONE INITIAL                  group
      Finding: *NONE*
6     30.10.10 VA-TESTOSTERONE DOCUMENTED DIAGNOSIS    element
      Finding: *NONE*
7     30.10.20 VA-GP TESTOSTERONE DRUG REQUEST MAIN     group
+     + Next Screen  - Prev Screen  ?? More Actions
DD  Dialog Details      DT  Dialog Text      IS  Install Selected
DF  Dialog Findings     DU  Dialog Usage     QU  Quit
DS  Dialog Summary      IA  Install All
Select Action: Next Screen// IA

```

At the **Select Action** prompt, type **IA** to install the dialog – **VA-TESTOSTERONE MEDICATION REQUEST**
 Install reminder dialog and all components with no further changes: **Y// ES**

Item	Seq.	Dialog Findings	Type	Exists		
1		VA-TESTOSTERONE MEDICATION REQUEST	dialog	X		
2	10	VA-TESTOSTERONE DRUG REQUEST VERSION Finding: *NONE*	element	X		
3	20	VA-TXTZ TESTOSTERONE TEMPLATE INTRO Finding: *NONE*	element	X		
4	30	VA-GP TESTOSTERONE TYPE OF PRESCRIPTION Finding: *NONE*	group	X		
5	30.10	VA-GP TESTOSTERONE INITIAL Finding: *NONE*	group	X		
6	30.10.10	VA-TESTOSTERONE DOCUMENTED DIAGNOSIS Finding: *NONE*	element	X		
7	30.10.20	VA-GP TESTOSTERONE DRUG REQUEST MAIN	group	X		
+ + Next Screen - Prev Screen ?? More Actions						
DD	Dialog	Details	DT	Dialog Text	IS	Install Selected
DF	Dialog	Findings	DU	Dialog Usage	QU	Quit
DS	Dialog	Summary	IA	Install All		
Select Action: Next Screen// Q						

When the dialog has completed installation, you will then be returned to this screen. At the **Select Action** prompt, type **Q**.

Component	Category	Exists	
Source: PLOTT,JOSEPH G at SALT LAKE CITY			
Date Packed: 01/08/2020@08:46:21			
Package Version: 2.0P35			
Description:			
The following Clinical Reminder items were selected for packing:			
REMINDER DIALOG			
VA-TESTOSTERONE MEDICATION REQUEST			
REMINDER TERM			
VA-REMINDER UPDATE_2_0_103			
Keywords:			
Components:			
+ + Next Screen - Prev Screen ?? More Actions >>>			
IA	Install all Components	IS	Install Selected Component
Select Action: Next Screen// Q			

You will be returned to this screen. Type Q to quit.

Install Completed

Post Installation

1. Make the Dialog templates available to be attached to a Personal or Shared template or to be able to attach the dialog to a progress note title.

From the Reminders Manager Menu:

Select Reminder Managers Menu Option: **CP CPRS Reminder Configuration**

- CA Add/Edit Reminder Categories
- CL CPRS Lookup Categories
- CS CPRS Cover Sheet Reminder List
- MH Mental Health Dialogs Active
- PN Progress Note Headers
- RA Reminder GUI Resolution Active
- TIU TIU Template Reminder Dialog Parameter**
- DL Default Outside Location
- PT Position Reminder Text at Cursor

Select CPRS Reminder Configuration Option: **TIU TIU Template Reminder Dialog Parameter**

Reminder Dialogs allowed as Templates may be set for the following:

- 1 User USR [choose from NEW PERSON]
- 3 Service SRV [choose from SERVICE/SECTION]
- 4 Division DIV [choose from INSTITUTION]
- 5 System SYS [NATREM.FO-SLC.MED.VA.GOV]

Enter selection: **5** *Choose the appropriate number for your site. Your site may do this by System or other levels. The example below uses SYSTEM level*

Setting Reminder Dialogs allowed as Templates for System:

Select Display Sequence: **?**

- 148 VA-VETERANS CHOICE NOTE
- 149 VA-TBI SCREENING
- 151 VACO TRANSPLANT REFERRAL (D)

*When you type a question mark above, you will see the list of #'s (with dialogs) that are already taken. Choose a number **NOT** on this list. For this example, looking above I see the number 150 is not present, so I will use 150.*

Select Display Sequence: **150**

Are you adding 150 as a new Display Sequence? Yes// **Y YES**

Display Sequence: 150// **<Enter>**

Clinical Reminder Dialog: **VA-TESTOSTERONE MEDICATION REQUEST Enter>**

OK? Yes// **<Enter>** (Yes)

2. Setup of Note title

The new note title that needs to be created is:

TESTOSTERONE MEDICATION REQUEST

This note title is to be mapped to the following VHA Enterprise Standard Title:
ENDOCRINOLOGY NOTE

Comprehensive information on Creating Document Definitions can be found beginning on page 47 of the [TIU/ASU Implementation Guide](#)

3. Associate the reminder dialog with the note title in CPRS

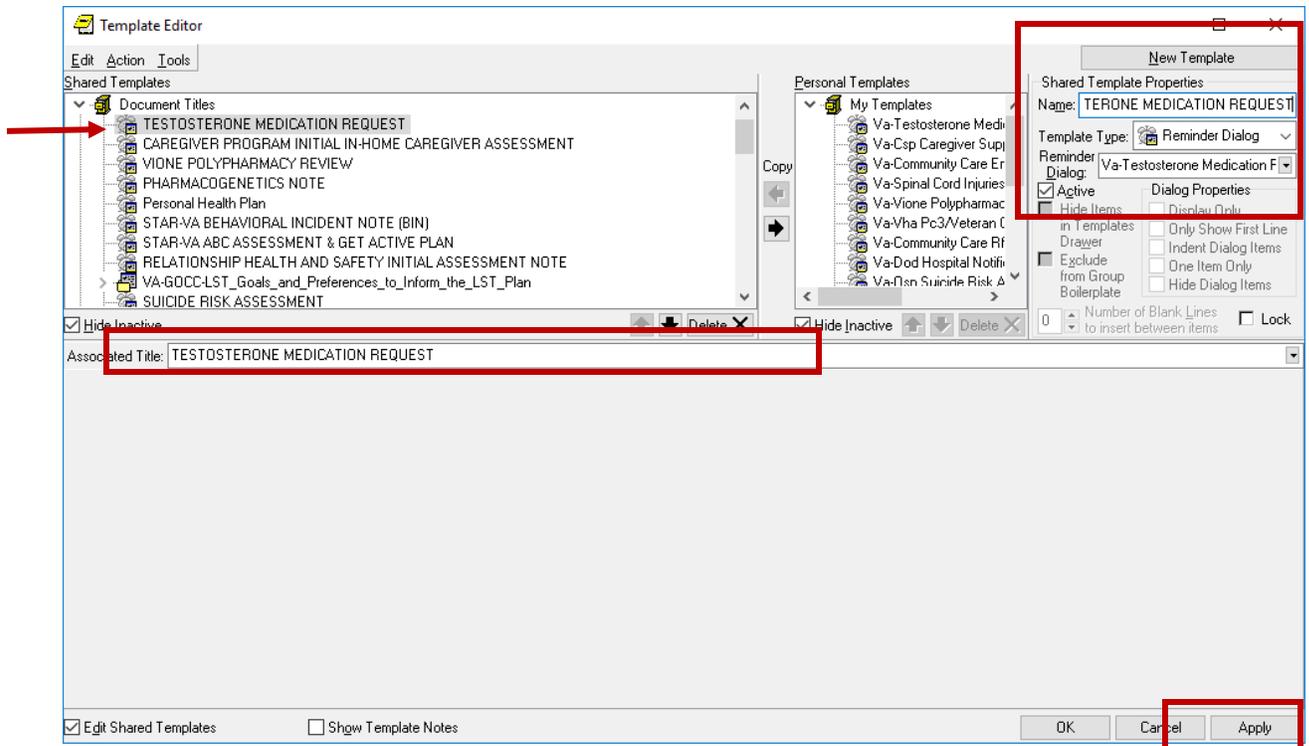
To do this, go to Template Editor, then Document Titles, select the appropriate folder (if applicable), and choose New Template (top right-hand corner).

Type in the following information:

Name: TESTOSTERONE MEDICATION REQUEST

Template Type: Reminder Dialog

Reminder Dialog: VA-TESTOSTERONE MEDICATION REQUEST



Next, type in the Associated Title, which in this case is TESTOSTERONE MEDICATION REQUEST and hit Apply.

4. Update the [VA-TEST LABS] health summary type with local lab tests

Testosterone, LH, FSH, and HCT lab tests need to be added as selection items to component SLT under Health Summary Type VA-TEST LABS. Please follow the steps below:

Step 1 - In VistA, go to the Manager DOCUMENT DEFINITIONS Menu and select Option 5 - Create TIU/Health Summary Objects: (see screenshot below)

```
--- Manager Document Definition Menu ---

1      Edit Document Definitions
2      Sort Document Definitions
3      Create Document Definitions
4      Create Objects
5      Create TIU/Health Summary Objects
6      Create Post-Signature Alerts

Select Document Definitions (Manager) <TEST ACCOUNT> Option: 5
```

Step 2 – Located the VA-TEST LABS object: (see screenshot below)

+	TIU Object Name	Health Summary Type
396	VA-TEST LABS	VA-TEST LABS
397	VA-TEST MED	VA-TEST MED
398	VANOD FALLS INTERVENTIONS	VANOD FALLS INTERVENTIONS
399	VANOD MORSE FALL SCALE	VANOD MORSE FALL SCALE
400	VITALS TODAY	VITALS TODAY
401	ZOSTER VACCINE DATE	OB ZOSTER VACCINE DATE
402	ZZVA-ONC HEAD NECK HIST GRADE	ZZVA-ONC HEAD NECK HIST GRADE
403	ZZVA-ONC LUNG CLIN TNM STAGE	ZZVA-ONC LUNG CLIN TNM

Step 3 – Select the “Detailed Display/Edit TIU Object” option and select the Entry number for the VA-TEST LABS object: (see screenshot below)

```

+   TIU Object Name                Health Summary Type
396 VA-TEST LABS                   VA-TEST LABS
397 VA-TEST MED                    VA-TEST MED
398 VANOD FALLS INTERVENTIONS     VANOD FALLS INTERVENTIONS
399 VANOD MORSE FALL SCALE         VANOD MORSE FALL SCALE
400 VITALS TODAY                   VITALS TODAY
401 ZOSTER VACCINE DATE            OB ZOSTER VACCINE DATE
402 ZZVA-ONC HEAD NECK HIST GRADE ZZVA-ONC HEAD NECK HIST GRADE
403 ZZVA-ONC LUNG CLIN TNM STAGE  ZZVA-ONC LUNG CLIN TNM

Enter ?? for more actions
Detailed Display/Edit TIU Object      Detailed Display/Edit HS Object
Quit
Select Action: Quit// Detailed Display/Edit TIU Object
                Detailed Display/Edit TIU Object
Select Entry:  (1-403) 396

```

Step 4 – Select the “Detail Display/Edit HS Object” option and select the Entry number for the VA-TEST LABS object:

```

TIU Object Name: VA-TEST LABS
Owner: GRIFFITH,ELIZABETH A
Status: ACTIVE
HS Object: VA-TEST LABS (TIU)
HS Type: VA-TEST LABS
Technical Field: S X=$$TIU^GMTSOBJ(DFN,6600418)

Enter ?? for more actions
Change HS Object                        Detail Display/Edit HS Object
Change Health Summary Type
Select Item(s): Quit// Detail Display/Edit HS Object

```

Step 5 – Select the “Edit HS Type” option: (see screenshot below)

```

HS Object: VA-TEST LABS (TIU)
Health Summary Type: VA-TEST LABS
Report Period:
Creator: GRIFFITH,ELIZABETH A

HS Object

Print Label: NO          Print Report Date and Time: NO
Print Blank Line after Label: NO  Print Confidentiality Banner: NO
Customized Header: YES   Print Report Date and Time: NO
Suppress Components w/o Data: YES  Print Component Header: NO
Print Deceased Information: NO     Print Time-Occurrence Limits: NO
National Object: NO        Underline Component Header: NO
Blank Line After Header: NO

Overwrite No Data: No lab tests found

Enter ?? for more actions
Edit HS Object          Inquire about a HS Type
Change HS Type         Edit HS Type
Select Action: Quit// Edit HS Type

```

Step 6– Press ENTER until you see the following screen: (see screenshot below)

```

Type Name: VA-TEST LABS
Title: Labs needed for Testosterone
Owner:
SUPPRESS PRINT OF COMPONENTS WITHOUT DATA:
SUPPRESS SENSITIVE PRINT DATA:

Abb  Ord  Component Name          Max  Hos  ICD  Pro  CPT
Occ  Time  Loc  Text  Nar  Mod  Selection
-----
SLT  5    Lab Tests Selected      2Y

* = Disabled Components
Select COMPONENT:

```

Step 7– At the Select COMPONENT prompt, enter SLT for Selected Lab Tests: (see screenshot below)

```
Abb  Ord  Component Name      Occ  Time  Loc  Text  Nar  Mod  Selection
-----
SLT  5     Lab Tests Selected    2Y

                                     * = Disabled Components
Select COMPONENT: SLT
```

Step 8 – Select “E” for Edit component parameters: (see screenshot below)

```
Select one of the following:

      E      Edit component parameters
      D      Delete component from summary

Select Action: E
```

Step 9 – Press ENTER until you see the “Select SELECTION ITEM” prompt and enter the following **six lab tests**: (see screenshot below)

TESTOSTERONE
LH
FSH
HCT
PROLACTIN
PSA

```
Select Action: Edit component parameters
SUMMARY ORDER: 5// 5
OCCURRENCE LIMIT:
TIME LIMIT: 2Y//
HEADER NAME: Lab Tests Selected//

No selection items chosen.

Select new items one at a time in the sequence you want them displayed.
You may select up to 99 items.

Select SELECTION ITEM: TESTOSTERONE

    Searching for a LABORATORY TEST, (pointed-to by SELECTION ITEM)

    Searching for a LABORATORY TEST
TESTOSTERONE
    ...OK? Yes//
```

Step 10– Select “N” to the ‘resequencing’ question: (see screenshot below)

```
Select SELECTION ITEM:
LAB TESTS SELECTED      (SLT)
 1 TESTOSTERONE
 2 LH
 3 FSH
 4 HCT

Do you want to resequence the selection items? N
```

Step 11– Finished. Press ENTER to exit the edit menu.

5. Add your local Testosterone order/menu as finding item to the following dialog elements:

a. Element: VAL-TESTOSTERONE NEW ORDER

NAME: VAL-TESTOSTERONE NEW ORDER Replace
DISABLE:
CLASS: LOCAL//
SPONSOR:
REVIEW DATE:
RESOLUTION TYPE:
ORDERABLE ITEM:
FINDING ITEM: ADD YOUR LOCAL ORDER FOR TESTOSTERONE PRESCRIPTION HERE

b. Element: VAL-TESTOSTERONE RENEW ORDER – **add your local order for testosterone prescription here**

6. Add your local Prolactin and PSA lab order as finding item to the following dialog elements:

a. VA-TXTZ TESTOSTERONE PROLACTIN ORDER

DISABLE:
CLASS: NATIONAL//
SPONSOR:
REVIEW DATE:
RESOLUTION TYPE:
ORDERABLE ITEM:
FINDING ITEM: ADD YOUR LOCAL ORDER FOR PROLACTIN HERE

b. VA-TXTZ TESTOSTERONE PSA ORDER

DISABLE:
CLASS: NATIONAL//
SPONSOR:
REVIEW DATE:
RESOLUTION TYPE:
ORDERABLE ITEM:
FINDING ITEM: ADD YOUR LOCAL ORDER FOR PSA HERE

c. VA-TXTZ TESTOSTERONE PSA TESTING REFILL

DISABLE:
CLASS: NATIONAL//
SPONSOR:
REVIEW DATE:
RESOLUTION TYPE:
ORDERABLE ITEM:
FINDING ITEM: ADD YOUR LOCAL ORDER FOR PSA HERE

7. Create an order set to include the four labs listed below. Set the labs' start date for TODAY and SEND PATIENT TO LAB. If you are unable to find these listed labs, please consult with your local Laboratory Information Manager.

TESTOSTERONE, FREE & WKLY BND PANEL GOLD SERUM SP *UNSIGNED*	Start: TODAY
LH. GOLD SERUM SP *UNSIGNED*	Start: TODAY
FSH. GOLD SERUM SP *UNSIGNED*	Start: TODAY
CBC LAVENDER(BLOOD) SP ONCE *UNSIGNED*	Start: TODAY

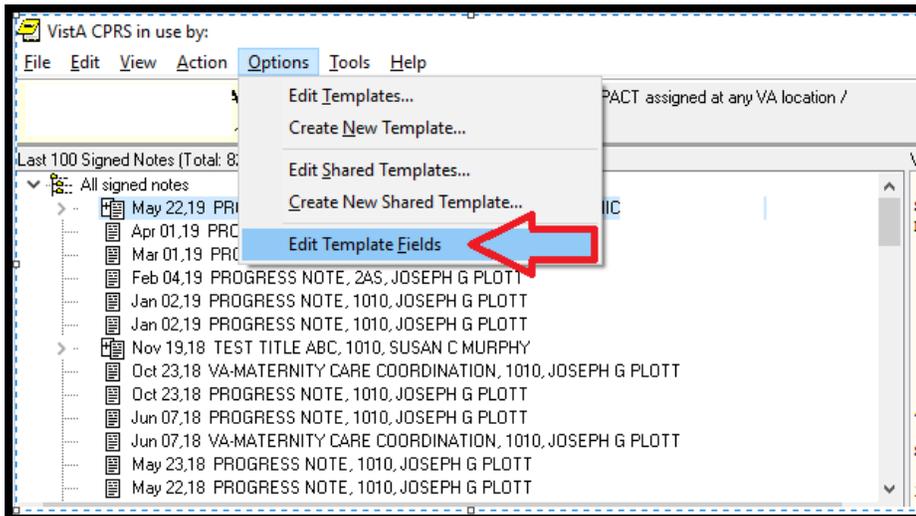
8. Add the lab order set as finding item to the following dialog groups:

Group: VA-TESTOSTERONE LAB NEEDS ORDERED

Group: VAL-TESTOSTERONE LABS COMPLETE NO

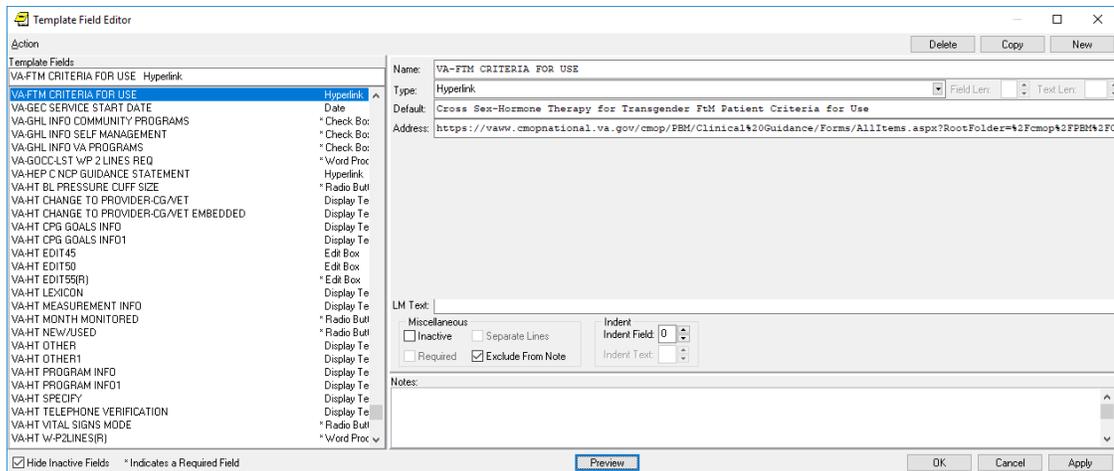
9. Edit one template field:

Step 1: In CPRS > go to the NOTES tab > then select OPTIONS > then EDIT Template fields



Step 2: Search for the template field **VA-FTM CRITERIA FOR USE** and enter the following hyperlink in the Address field:

<https://vaww.cmopnational.va.gov/cmop/PBM/Clinical%20Guidance/Forms/AllItems.aspx?RootFolder=%2Fcmop%2FPBM%2FClinical%20Guidance%2FCriteria%20For%20Use&FolderCTID=0x0120006BA3B2280F536A41A2C5A1B0F4AFC943&View=%7b43999405-C9A2-47A4-AE17-1551>



Step 3: Click APPLY, then OK

10. Insert AGE and BMI objects in one dialog element:

Step 1: Log into VistA and go to the Reminder Dialog Management menu > then select DI Reminder Dialogs > then Change View (CV) to ELEMENTS view.

Step 2: Search for the element titled VAL-TESTOSTERONE RELEVANT INFORMATION and edit the Dialog/Progress Note Text. Where you see <<insert PATIENT AGE object here >> and <<insert BMI object here>>, replace that text with your facility's data object for AGE and BMI.

NAME: VAL-TESTOSTERONE RELEVANT INFORMATION Replace
 DISABLE:
 CLASS: LOCAL//
 SPONSOR:
 REVIEW DATE:
 RESOLUTION TYPE:
 ORDERABLE ITEM:
 FINDING ITEM:

Additional findings: none
 Select ADDITIONAL FINDING:
 DIALOG/PROGRESS NOTE TEXT:
 \\Patient Age: << insert PATIENT AGE object here >>\\
 Patient BMI: << insert BMI object here >>
 |VA-TEST MED|
 |VA-DIABETES OBJECT|\\
 Edit? NO//

NOTE: If you require further technical assistance, if there are any questions or problems during the installation, please notify your local IT support to log a national help desk ticket Desk and have them submit a national ticket to:
 Category: Affected Service
 Affected Service: VistA – CPRS: Clinical Reminders
 Assignment Group: NTL SUP Clin 2