Update_2_0_334

Clinical Reminders

VA-PGX (PHASER) TEMPLATE UPDATE

Install Guide

February 2023

Product Development
Office of Information Technology
Department of Veterans Affairs

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Introduction

This update installs the following modifications to the National Office of Pharmacogenomics' "Pharmacogenomic Testing for Veterans (PHASER)" Program template:

- Update language in the pharmacogenomic (PGx) testing information and consent text
- Revise 5 result groups (CYP2C19, CYP2D6, SLCO1B1, TPMT, and VKORC1)
- Create 5 new result groups (ABCG2, CYP2B6, G6PD, NUDT15, and UGT1A1)
- Add the ability to indicate the PGx testing was originally conducted at another VA site of care (This will facilitate PGx results data entry at sites of care other than the original. Until we succeed in publishing PGx data in the National Health Data Repository, this will allow our automated clinical decision support to fire at any known VA site of care for a given patient)
- Make visible again outdated phenotype selections associated with older gene testing panels to facilitate data entry of all PGx results – including results from older test panels that may have been conducted at other VA sites of care for a given patient
- Update language in results section progress note text
- Improve layout of note template and resulting note written to record
- Remove previous restriction on direct access to PGx order

This template is mandatory for use at engaged sites. Site engagement will be rolled out nationally in planned increments. All sites should ensure the template is installed.
POC is REDACTED.

PHASER VA Provider information and Site Deployment Materials: REDACTED (only accessible within the VA firewall). PHASER public website: www.cancer.va.gov/phaser.asp

UPDATE_2_0_334 contains 1 Reminder Exchange entry:
UPDATE_2_0_334 VA-PGX (PHASER) TEMPLATE UPDATE

The exchange file contains the following components:
```
TIU TEMPLATE FIELD
    1   VA-PGX DATE REQ
    2   VA-PGX EB 40R
    3   VA-PGX BLANK SPACE
    4   VA-PHASER SHAREPOINT
    5   VA-PHASER HERITABLE DX

HEALTH FACTORS
    6   VA-REMINDER UPDATES [C]
    7   VA-UPDATE_2_0_334
    8   VA-PGX GENE TESTING [C]
    9   VA-PGX VKORC1 HOMOZYGOUS G ALLELE RS9934438
   10   VA-PGX VKORC1 HOMOZYGOUS A ALLELE RS1801272
   11   VA-PGX VKORC1 HOMOZYGOUS T ALLELE RS7294
   12   VA-PGX VKORC1 HOMOZYGOUS C ALLELE RS7294
   13   VA-PGX VKORC1 HETEROZYGOUS RS9934438 A ALLELE
   14   VA-PGX VKORC1 HETEROZYGOUS RS7294 T ALLELE
   15   VA-PGX VKORC1 UNINFORMATIVE
   16   VA-PGX VKORC1 HIGH WARFARIN SENS
```

```
17  VA-PGX VKORC1 INTERMED WARFARIN SENS
18  VA-PGX VKORC1 NORMAL WARFARIN SENS
19  VA-PGX TPMT PROVISIONAL POOR METABOLIZER
20  VA-PGX TPMT PROVISIONAL INTERMED METABOLIZER
21  VA-PGX TPMT POSSIBLE INTERMED METABOLIZER
22  VA-PGX TPMT IM OR POOR METABOLIZER
23  VA-PGX TPMT UNINFORMATIVE
24  VA-PGX TPMT POOR METABOLIZER
25  VA-PGX TPMT INTERMED METABOLIZER
26  VA-PGX TPMT NORMAL METABOLIZER
27  VA-PGX SLCO1B1 INCREASED FUNCTION
28  VA-PGX SLCO1B1 UNINFORMATIVE
29  VA-PGX SLCO1B1 POOR FUNCTION
30  VA-PGX SLCO1B1 DECREASED FUNCTION
31  VA-PGX SLCO1B1 NORMAL FUNCTION
32  VA-PGX DPYD UNINFORMATIVE
33  VA-PGX DPYD POOR METABOLIZER
34  VA-PGX DPYD INTERMED METABOLIZER
35  VA-PGX DPYD NORMAL METABOLIZER
36  VA-PGX CYP3A5 UNINFORMATIVE
37  VA-PGX CYP3A5 POOR METABOLIZER
38  VA-PGX CYP3A5 INTERMED METABOLIZER
39  VA-PGX CYP3A5 NORMAL METABOLIZER
40  VA-PGX CYP2D6 POSS IM OR UR METABOLIZER
41  VA-PGX CYP2D6 POOR OR INTERMED METABOLIZER
42  VA-PGX CYP2D6 UR OR NORM METABOLIZER
43  VA-PGX CYP2D6 NM IM OR UR METABLZR
44  VA-PGX CYP2D6 IM OR NORM METABOLIZER
45  VA-PGX CYP2D6 UNINFORMATIVE
46  VA-PGX CYP2D6 POOR METABOLIZER
47  VA-PGX CYP2D6 INTERMED METABOLIZER
48  VA-PGX CYP2D6 NORMAL METABOLIZER
49  VA-PGX CYP2D6 ULTRARAPID METABOLIZER
50  VA-PGX CYP2C9 POSS PM METABOLIZER
51  VA-PGX CYP2C9 POSS IM METABOLIZER
52  VA-PGX CYP2C9 UNINFORMATIVE
53  VA-PGX CYP2C9 POOR METABOLIZER
54  VA-PGX CYP2C9 INTERMED METABOLIZER
55  VA-PGX CYP2C9 NORMAL METABOLIZER
56  VA-PGX CYP2C19 LIKELY POOR METABOLIZER
57  VA-PGX CYP2C19 LIKELY INTERMED METABOLIZER
58  VA-PGX CYP2C19 UNINFORMATIVE
59  VA-PGX CYP2C19 POOR METABOLIZER
60  VA-PGX CYP2C19 INTERMED METABOLIZER
61  VA-PGX CYP2C19 NORMAL METABOLIZER
62  VA-PGX CYP2C19 RAPID METABOLIZER
63  VA-PGX CYP2C19 ULTRARAPID METABOLIZER
64  VA-PGX 8 GENE PANEL
65  VA-PGX G6PD DECREASED OR POOR FUNCTION
66  VA-PGX G6PD DECREASED OR NORMAL FUNCTION
67  VA-PGX G6PD UNINFORMATIVE
68  VA-PGX G6PD POOR FUNCTION
69  VA-PGX G6PD DECREASED FUNCTION
70  VA-PGX G6PD NORMAL FUNCTION
```

```
   71   VA-PGX NUDT15 UNINFORMATIVE
   72   VA-PGX NUDT15 POOR METABOLIZER
   73   VA-PGX NUDT15 INTERMEDIATE METABOLIZER
   74   VA-PGX NUDT15 NORMAL METABOLIZER
   75   VA-PGX UGT1A1 UNINFORMATIVE
   76   VA-PGX UGT1A1 POOR METABOLIZER
   77   VA-PGX UGT1A1 INTERMEDIATE METABOLIZER
   78   VA-PGX UGT1A1 NORMAL METABOLIZER
   79   VA-PGX CYP4F2 UNINFORMATIVE
   80   VA-PGX CYP4F2 ALTERED FUNCTION
   81   VA-PGX CYP4F2 NORMAL FUNCTION
   82   VA-PGX CYP2C UNINFORMATIVE
   83   VA-PGX CYP2C HIGH SENSITIVITY
   84   VA-PGX CYP2C LOW SENSITIVITY
   85   VA-PGX CYP2B6 RAPID OR NORMAL METABOLIZER
   86   VA-PGX CYP2B6 UNINFORMATIVE
   87   VA-PGX CYP2B6 POOR METABOLIZER
   88   VA-PGX CYP2B6 INTERMEDIATE METABOLIZER
   89   VA-PGX CYP2B6 NORMAL METABOLIZER
   90   VA-PGX CYP2B6 RAPID METABOLIZER
   91   VA-PGX CYP2B6 ULTRARAPID METABOLIZER
   92   VA-PGX ABCG2 UNINFORMATIVE
   93   VA-PGX ABCG2 POOR FUNCTION
   94   VA-PGX ABCG2 DECREASED FUNCTION
   95   VA-PGX ABCG2 NORMAL FUNCTION
   96   VA-PGX 15 GENE PANEL
   97   VA-PGX IFNL3 UNINFORMATIVE
   98   VA-PGX IFNL3 UNFAVORABLE
   99   VA-PGX IFNL3 FAVORABLE
  100   VA-PGX 11 GENE PANEL
  101   VA-PGX FOLLOW UP LATER
  102   VA-PGX TESTING DECLINED
  103   VA-PGX TESTING ACCEPTED
  104   VA-PGX DECLINE OTHER CONCERN
  105   VA-PGX DECLINE NO INTEREST
  106   VA-PGX DECLINE MED CONCERN
  107   VA-PGX DECLINE TESTING CONCERN
  108   VA-PGX DECLINE PRIVACY CONCERN
  109   VA-PGX PROVIDER EDUCATION

REMINDER SPONSOR
  110   VHA ONCOLOGY
  111   Office of Nursing Service

REMINDER COMPUTED FINDINGS
        VA-ASU USER CLASS
        VA-REMINDER DEFINITION

REMINDER TERM
  112   VA-REMINDER UPDATE_2_0_334
  113   VA-PGX AUTHORIZED STAFF
  114   VA-BL CONSENT PREVIOUSLY ACCEPTED

REMINDER DEFINITION
```

```
115  VA-BL CONSENT AND ORDER ACCEPTED
```

```
REMINDER DIALOG
 116  VA-PHARMACOGENOMIC TESTING FOR VETERANS
```

Pre-Install

1. For sites who are current PHASER participants:
   a. do an inquiry on the following element and take note of the quick order name used for ordering the lab test: VA-EL PHASER ORDER PT AGREES
   b. do an inquiry to the reminder term VA-PGX AUTHORIZED STAFF and keep this information in case it is needed post-install.

Install Details

This update is being distributed as a web host file. The address for the host file is:
https://REDACTED /UPDATE_2_0_334_1.PRD

The file will be installed using Reminder Exchange, programmer access is not required.
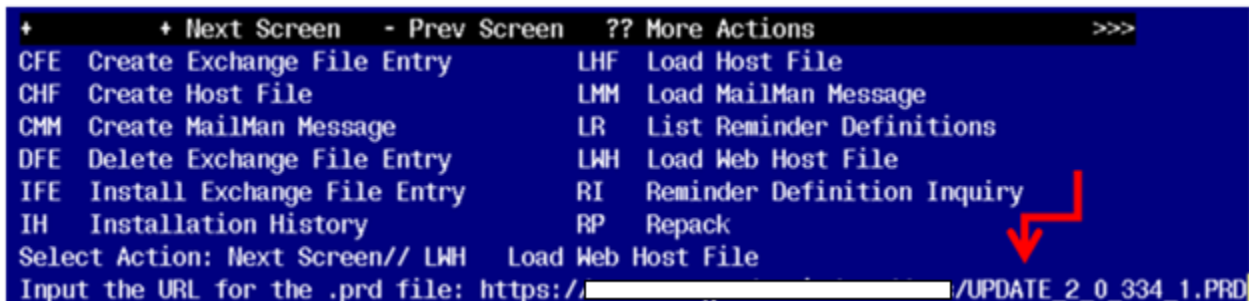
Installation:
=============
This update can be loaded with users on the system. Installation will take less than 5 minutes.

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

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:
https://REDACTED/UPDATE_2_0_334_1.PRD

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

Search for and locate a reminder exchange entry named **UPDATE_2_0_334 VA-PGX (PHASER) TEMPLATE UPDATE.**

```
+Item   Entry                              Source              Date Packed
  450   UPDATE_2_0_334 VA-PGX
        (PHASER) TEMPLATE UPDATE    ←
  451   UPDATE_2_0_34 VA-WH PAP SMEAR
        SCREENING
  452   UPDATE_2_0_34 VA-WH PAP SMEAR
        SCREENING
  453   UPDATE_2_0_35 VA-BENEFICIARY
        TRAVEL UPDATES
  454   UPDATE_2_0_36 MISC UPDATE 5
  455   UPDATE_2_0_36 TELEHEALTH
+           + 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           LR   List Reminder Definitions
DFE  Delete Exchange File Entry       LWH  Load Web Host File
IFE  Install Exchange File Entry      RI   Reminder Definition Inquiry
IH   Installation History             RP   Repack
Select Action: Next Screen// IFE   Install Exchange File Entry
Enter a list or range of numbers (1-690): 450
```

At the **Select Action** prompt, enter **IFE** for Install Exchange File Entry
Enter the number that corresponds with your entry titled **UPDATE_2_0_334 VA-PGX (PHASER) TEMPLATE UPDATE** *(in this example it is entry 450, it will vary by site).*
The Date Packed should read 01/09/2023.

```
Description:
The following Clinical Reminder items were selected for packing:
REMINDER DIALOG
  VA-PHARMACOGENOMIC TESTING FOR VETERANS

REMINDER TERM
  VA-REMINDER UPDATE_2_0_334

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 Merge (M) Reminder Term VA-PGX
AUTHORIZED STAFF and Overwrite (O) any other existing components

Next, you will be prompted to install the dialog component, Choose to INSTALL ALL even though most components have an X in the Exists column:

```
 Item  Seq. Dialog Findings                              Type     Exists
   1       VA-PHARMACOGENOMIC TESTING FOR VETERANS        dialog      X

   2       10 VA-PHASER NOTE VERSION                      element     X
              Finding: *NONE*

   3       20 VA-GP PHASER CONSENT/ORDER AND TEST RESULTS group       X
              Finding: *NONE*
   4       20.10 VA-GP PHASER CONSENT AND ORDER PLACEHOLDER group      X
              Finding: *NONE*
   5       20.10.10 VA-GP PHASER CONSENT AND ORDER INITIAL* group      X
              Finding: *NONE*
   6       20.10.10.10 VA-GP PHASER CONSENT DISCUSSED     group       X
              Finding: VA-PGX PROVIDER EDUCATION (HEALTH FACTOR)       X
   7       PXRM VISIT DATE FORCED TODAY                   forced      X
   8       20.10.10.10.10 VA-EL PHASER ORDER PT AGREES    element     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// IA
```

At the **<u>Select Action</u>** prompt, type **IA** to install the dialog –
VA-PHARMACOGENOMIC TESTING FOR VETERANS
Install reminder dialog and all components with no further changes: Y// ES

```
 Item  Seq. Dialog Findings                                        Type    Exists
   1      VA-PHARMACOGENOMIC TESTING FOR VETERANS                  dialog     X

   2    10 VA-PHASER NOTE VERSION                                 element     X
           Finding: *NONE*

   3    20 VA-GP PHASER CONSENT/ORDER AND TEST RESULTS             group      X
           Finding: *NONE*
   4    20.10 VA-GP PHASER CONSENT AND ORDER PLACEHOLDER           group      X
           Finding: *NONE*
   5    20.10.10 VA-GP PHASER CONSENT AND ORDER INITIAL*           group      X
           Finding: *NONE*
   6    20.10.10.10 VA-GP PHASER CONSENT DISCUSSED                 group      X
           Finding: VA-PGX PROVIDER EDUCATION (HEALTH FACTOR)                 X
   7    PXRM VISIT DATE FORCED TODAY                              forced      X
   8    20.10.10.10.10 VA-EL PHASER ORDER PT AGREES              element      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.**

```
Description:
The following Clinical Reminder items were selected for packing:
REMINDER DIALOG
   VA-PHARMACOGENOMIC TESTING FOR VETERANS

REMINDER TERM
   VA-REMINDER UPDATE_2_0_334

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

Note: If your site is NOT a participating PHASER site, you do not need to proceed to the Post Install steps. No further action is needed.

Post Installation for CURRENT PHASER Sites

1. Look at the element VA-EL PHASER ORDER PT AGREES. If it is no longer mapped, re-map the quick order you identified in the pre-install steps as an Additional Finding. DO NOT REMOVE the national health factor that is mapped.

2. Look at the reminder term VA-PGX AUTHORIZED STAFF. Compare with your inquiry from pre-install and re-map the User Class if necessary. If you MERGED this term, there should be no changes that need to be made.

3. Going forward, the PHASER test can be ordered outside of the Pharmacogenomics Note. Documentation of verbal consent is still required, but providers will no longer be required to use the note to document that consent and access the order. Because of this, follow the instructions below to REMOVE the restriction on the laboratory test.
Starting from the "Manage orderable items" option:

   Select Manage orderable items Option: QO Enter/edit QO restriction
   Select an ORDERABLE ITEM (meds or labs only): Name of your site's PHASER test here

   Select the type of usage for which you wish to restrict ordering of this item.
   Usage: LABORATORY
   QO ONLY: YES// @
   SURE YOU WANT TO DELETE? Y (Yes)

   Usage: <enter>

4. If your site previously added an ordering menu directing staff to order through the Pharmacogenomics Note, this can be removed. Further, if a "dummy" PHASER lab test had been added to the lab package, sites will want to contact their LIM to have the "dummy" order inactivated.

5. Sites can now make the PHASER test quick order available on ordering menus as requested. For example, sites with a "Common Lab Test" ordering menu could add the quick order to that menu.

Post Installation for NEW PHASER sites (only needs to be done if site did not complete the post-install instructions

from Update 206)

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. If this has been done in the past, you will not need to repeat.**

   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:

OK? Yes// <Enter> (Yes)

2. Setup of Note title. If this has been done previously, you do not need to repeat.

The new note title that needs to be created is:
PHARMACOGENOMICS NOTE

This note title is to be mapped to the following VHA Enterprise Standard Title:
HEMATOLOGY AND ONCOLOGY NOTE

Comprehensive information on Creating Document Definitions can be found beginning on page 47 of the

3. Associate the reminder dialog with the note title in CPRS
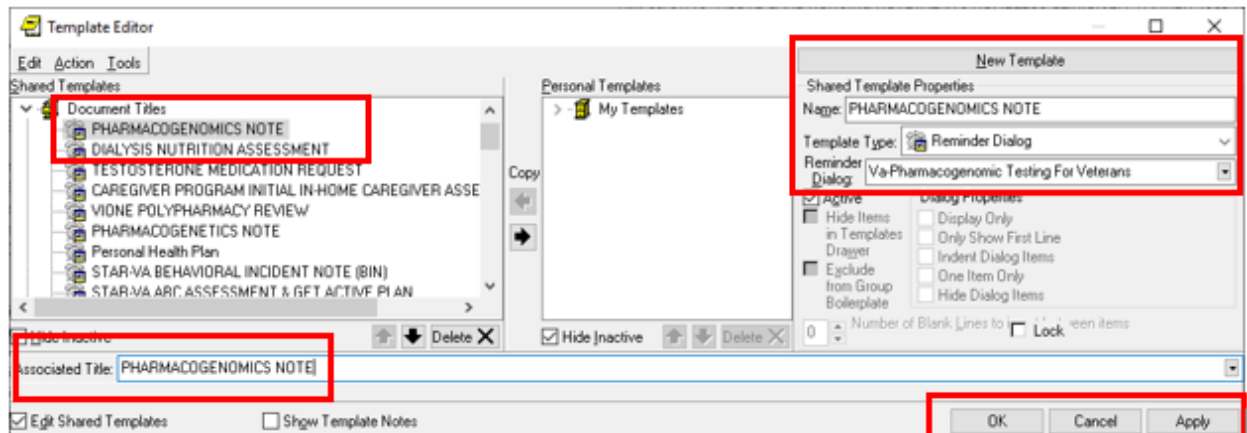
To do this, go to Template Editor, then Document Titles, select the appropriate folder (if applicable), and choose New Template (top right-hand corner).
Type in the following information:
Name: **PHARMACOGENOMICS NOTE**
Template Type: Reminder Dialog
Reminder Dialog: **VA-PHARMACOGENOMIC TESTING FOR VETERANS**

Next, type in the Associated Title, which in this case is
PHARMACOGENOMICS NOTE and hit Apply.

4. **Create a NEW User Class** and Set up Group to be Viewable Only for Specific User Class**:**

In the template, only trained personnel should be able to record lab panel results into patients' charts. To facilitate this, sites need to create a new user class called **PGX AUTHORIZED STAFF**.

After creating PGX AUTHORIZED STAFF, assign this to staff at your site who will be authorized to enter lab results in patients' charts through the template.

Steps to Create User Class:
From User Class Management Menu:

```
                --- User Class Management Menu ---

    1     User Class Definition
    2     List Membership by User
    3     List Membership by Class
    5     Manage Business Rules

Select User Class Management Option: 1  User Class Definition

Select User Class Status: ACTIVE// <enter>   Active
       Start With Class: FIRST// <enter>
          Go To Class: LAST// <enter>
Searching for the User Classes.............
```

```
User Classes          Apr 22, 2019@07:42:52      Page:   1 of   9
                   ACTIVE USER CLASSES               122 Classes
     Class Name                      Abbrev
1    ALLERGIST                       ALLRG
2    ALLERGY & IMMUNOLOGY            ADR
3    ANESTHESIOLOGIST                ANES
4    ASSOCIATE CHIEF OF STAFF        ACOS
5    ATTENDING PHYSICIAN             ATT
6    AUDIOLOGIST                     AUD
7    CARDIOLOGIST                    CARD
8    CHAPLAIN                        CHAP
9   +CHIEF RESIDENT                  CR
10   CHIEF, MEDICAL SERVICE          CMED
11   CHIEF, MIS                      CMIS
12   CHIEF, PSYCHIATRY SERVICE       CPSYCH
13   CHIEF, SURGICAL SERVICE         CSURG
14   CLINICAL CLERK                  CLCLRK
15  +CLINICAL COORDINATOR            CLPAC
+        + Next Screen  - Prev Screen  ?? More Actions
    Find                  Expand/Collapse Class    Change View
    Create a Class        List Members             Quit
    Edit User Class
Select Action: Next Screen// CR   Create a Class
Select CLASS: PGX AUTHORIZED STAFF
Are you adding 'PGX AUTHORIZED STAFF' as a new USR CLASS (the 126TH)? No// Y
NAME: PGX AUTHORIZED STAFF Replace <enter>
```

DISPLAY NAME: Pgx Authorized Staff Replace <mark><enter></mark>
ABBREVIATION: <mark><enter></mark>
ACTIVE: <mark>1</mark>Active
Select SUBCLASS: <mark><enter></mark>...........

**   record the pharmacogenomic test results into patients' charts. **

Map User Class into Reminder Term:
After creating and assigning the User Class to appropriate staff, navigate to the Reminder
Term <mark>VA-PGX AUTHORIZED STAFF</mark> and map the user class into the Computed Finding
Parameter of Finding #1 (VA-ASU USER CLASS).

By doing this, VistA will suppress the group VA-GP PHASER TEST RESULTS if the
person using the template does *not* have the PGX AUTHORIZED STAFF User Class.

From Reminder Managers Menu:

CF	Reminder Computed Finding Management ...
RM	Reminder Definition Management ...
SM	Reminder Sponsor Management ...
TXM	Reminder Taxonomy Management
TRM	Reminder Term Management ...
LM	Reminder Location List Management ...
RX	Reminder Exchange
RT	Reminder Test
OS	Other Supporting Menus ...
INFO	Reminder Information Only Menu ...
DM	Reminder Dialog Management ...
CP	CPRS Reminder Configuration ...
RP	Reminder Reports ...
MST	Reminders MST Synchronization Management ...
PL	Reminder Patient List Menu ...
PAR	Reminder Parameters ...
VS	NLM Value Set Menu
ROC	Reminder Order Check Menu ...
CQM	NLM Clinical Quality Measures Menu
XM	Reminder Extract Menu ...
GEC	GEC Referral Report

Select Reminder Managers Menu Option: <mark>**TRM**</mark> Reminder Term Management
  TL   List Reminder Terms
  TI   Inquire about Reminder Term
  TE   Add/Edit Reminder Term
  TC   Copy Reminder Term

Select Reminder Term Management Option: <mark>TE</mark>Add/Edit Reminder Term

Select Reminder Term: VA-PGX AUTHORIZED STAFF   NATIONAL
    ...OK? Yes// <mark><enter></mark> (Yes)

Choose from:

CF VA-ASU USER CLASS   Finding # 1
Select Finding: <mark>`1</mark> VA-ASU USER CLASS

Computed Finding Description:
This multi-occurrence computed finding returns a list of the ASU
User Classes that the user belongs to. The user is the person who is
running the reminder evaluation or processing a reminder dialog.
 Cont'd
 .
 .
Editing Finding Number: 1
FINDING ITEM: VA-ASU USER CLASS// <enter>
BEGINNING DATE/TIME: T// <enter>
ENDING DATE/TIME: T// <enter>
OCCURRENCE COUNT: <enter>
COMPUTED FINDING PARAMETER: **PGX AUTHORIZED STAFF**
CONDITION: <enter>
CONDITION CASE SENSITIVE: <enter>
USE STATUS/COND IN SEARCH: <enter>

Choose from:

CF VA-ASU USER CLASS   Finding #   1
Select Finding: <enter>

Input your edit comments.
Edit? NO// <enter>

5. Creating/Attaching Laboratory Test Quick Order

The pharmacogenomic lab panel is to be available for ordering through this template.

Below are instructions for building the quick order AND for attaching the quick order
as a finding item to the appropriate element.

Use your facility's naming convention for this order. Although the quick order can
be set to auto-accept if desired, it is recommended to set this to 'no'.
The following example demonstrates setting auto-accept to no.

Creating quick order:

From the Order Menu Management Option:

    OI   Manage orderable items ...
    PM   Enter/edit prompts
    GO   Enter/edit generic orders

    QU   Edit personal quick orders by user
    ST   Enter/edit order sets
    AC   Enter/edit actions
    MN   Enter/edit order menus

AO	Assign Primary Order Menu
CP	Convert protocols
SR	Search/replace components
LM	List Primary Order Menus
DS	Disable/Enable order dialogs
CS	Review Quick Orders for Inactive ICD9 Codes
MR	Medication Quick Order Report
CA	Quick Order Mixed-Case Report
CO	Create Clinic Order QOs from Inpatient QOs
CV	Convert IV Inpatient QO to Infusion QO
DF	Quick Order Free-Text Report
FR	IV Additive Frequency Utility
SP	SUPPLY COVERSION UTILITY MENU ...

Select Order Menu Management Option: **QO**Enter/edit quick orders
Select QUICK ORDER NAME: **LRZ PGX PANEL ONCE SP AA**(use naming convention here)
  Are you adding 'LRZ PGX PANEL ONCE SP AA' as a new ORDER DIALOG? No// **Y** (Yes)
TYPE OF QUICK ORDER: **LABORATORY**
NAME: LRZ PGX PANEL ONCE SP AA Replace **<enter>**
DISPLAY TEXT: **Pharmacogenomics Panel**VERIFY ORDER: **NO**DESCRIPTION:
Edit? NO// Hit 'Y' to enter a description here if your facility does this; otherwise hit <enter>
Lab Test: **Type in the name of the lab test here**

SEND TO LAB - Means the patient is ambulatory and will be sent to the
Laboratory draw room to have blood drawn.
WARD COLLECT - Means that either the physician or a nurse will be collecting the sample on the ward.
LAB BLOOD TEAM - Means the phlebotomist from Lab will draw the blood on the ward. This method is
limited to laboratory defined collection times.

SP	Send patient to lab
WC	Ward collect & deliver
LC	Lab blood team

Collected By: **SP** Send patient to lab
Collection Sample: BLOOD // **<enter>**
Collection Date/Time: **<enter>**
Urgency: **ROUTINE**(can change to STAT according to facility's process)
How often: **ONCE**

```
-------------------------------------------------------------------
                 Lab Test: Name of lab panel here
              Collected By: Send patient to lab
         Collection Sample: BLOOD
                 Specimen: BLOOD
       Collection Date/Time: TODAY
                How often: ONCE
-------------------------------------------------------------------
```

(P)lace, (E)dit, or (C)ancel this quick order? PLACE// **<enter>**
Auto-accept this order? NO// **<enter>**

Attaching quick order as finding item to element:
Below are the steps to add your quick order to the appropriate element.

Element name: VA-EL PHASER ORDER PT AGREES

From Reminder Managers Menu:

<pre>
   CF   Reminder Computed Finding Management ...
   RM   Reminder Definition Management ...
   SM   Reminder Sponsor Management ...
   TXM   Reminder Taxonomy Management
   TRM   Reminder Term Management ...
   LM   Reminder Location List Management ...
   RX   Reminder Exchange
   RT   Reminder Test
   OS   Other Supporting Menus ...
   INFO   Reminder Information Only Menu ...
DM   Reminder Dialog Management ...
   CP   CPRS Reminder Configuration ...
   RP   Reminder Reports ...
   MST   Reminders MST Synchronization Management ...
   PL   Reminder Patient List Menu ...
   PAR   Reminder Parameters ...
   VS   NLM Value Set Menu
   ROC   Reminder Order Check Menu ...
   CQM   NLM Clinical Quality Measures Menu
   XM   Reminder Extract Menu ...
   GEC   GEC Referral Report
</pre>

Select Reminder Managers Menu Option: **DM** Reminder Dialog Management

<pre>
   DP   Dialog Parameters ...
   DI   Reminder Dialogs
   DR   Dialog Reports ...
   IA   Inactive Codes Mail Message
</pre>

Select Reminder Dialog Management Option: **DI** Reminder Dialogs

Dialog List   Apr 22, 2019@07:28:03   Page: 1 of 22
REMINDER VIEW (ALL REMINDERS BY NAME)

<pre>
  Item Reminder Name   Linked Dialog Name & Dialog Status
   1 ACUTE MYOCARDIAL INFARCTION
   2 AGP TEST   AGP TEST ALL DIALOG
   3 AJM BL TEST
   Cont'd
   .
+   Enter ?? for more actions   >>>
AR   All reminders   LR   Linked Reminders   QU   Quit
CV   Change View   RN   Name/Print Name
Select Item: Next Screen// **CV**   Change View
</pre>

     Select one of the following:

<pre>
     D   Reminder Dialogs
     E   Dialog Elements
     F   Forced Values
     G   Dialog Groups
     P   Additional Prompts
</pre>

R   Reminders
        RG   Result Group (Mental Health)
        RE   Result Element (Mental Health)

TYPE OF VIEW: R// **E** Dialog Elements

Dialog List   Apr 22, 2019@07:28:08   Page: 1 of 1133
DIALOG VIEW (DIALOG ELEMENTS)

 Item   Dialog Name   Dialog Type   Status
  1   00 SPACER BOTH   Dialog Element
  2   00 SPACER NOTE ONLY (E)   Dialog Element
  3   10-0386-SCH APPROVAL AUTH1   Dialog Element
  Cont'd
  .
  .
  .
 +   + Next Screen - Prev Screen ?? More Actions   >>>
 AD   Add   PT List/Print All   QU Quit
 CO   Copy Dialog   INQ Inquiry/Print
 CV   Change View   TE Dialog Taxonomy Edit
 Select Item: Next Screen// **SL** SL
 Search for: **VA-EL PHASER ORDER PT AGREES** Dialog List   Apr 22,
 2019@07:29:36   Page: 494 of 1133
 DIALOG VIEW (DIALOG ELEMENTS)

 +Item Dialog Name   Dialog type   Status
 6909 VA-EL PHASER ORDER PT AGREES   **Dialog Element**
 6910 VA-EL PHASER ORDER PT DECLINES   Dialog Element
 6911 VA-EL SAFETY PLAN COLLABORATION TIP   Dialog Element
 6912 VA-EL SAFETY PLAN CONTACTS DECLINED   Dialog Element
 6913 VA-EL SAFETY PLAN CONTACTS INFO   Dialog Element
 6914 VA-EL SAFETY PLAN CONTACTS TIP DETAILS Dialog Element
 Cont'd
 .
 +   + Next Screen - Prev Screen ?? More Actions   >>>

 Find Next 'VA-EL PHASER ORDER PT AGREES'? Yes// **NO**
 +Item Dialog Name   Dialog type   Status
 6909 VA-EL PHASER ORDER PT AGREES   **Dialog Element**
 6910 VA-EL PHASER ORDER PT DECLINES   Dialog Element
 6911 VA-EL SAFETY PLAN COLLABORATION TIP   Dialog Element
 6912 VA-EL SAFETY PLAN CONTACTS DECLINED   Dialog Element
 6913 VA-EL SAFETY PLAN CONTACTS INFO   Dialog Element
 6914 VA-EL SAFETY PLAN CONTACTS TIP DETAILS Dialog Element
 Cont'd
 .
 +   + Next Screen - Prev Screen ?? More Actions   >>>
 AD   Add   PT List/Print All   QU Quit
 CO   Copy Dialog   INQ Inquiry/Print
 CV   Change View   TE Dialog Taxonomy Edit
 Select Item: Next Screen// **6909**
 Dialog Name: VA-EL PHASER ORDER PT AGREES

 Current dialog element/group name: VA-EL PHASER ORDER PT AGREES

Used by: VA-GP PHASER ED MATERALS GIVEN (Dialog Group)
          VA-GP PHASER CONSENT DISCUSSED (Dialog Group)

FINDING ITEM: VA-PGX TESTING ACCEPTED//
Select ADDITIONAL FINDINGS: Q.LRZ PGX PANEL ONCE SP AA
    Searching for a ORDER DIALOG, (pointed-to by ADDITIONAL FINDINGS)

    Searching for a ORDER DIALOG
  LRZ PGX PANEL ONCE SP AA
      ...OK? Yes// <enter> (Yes)
Select ADDITIONAL FINDINGS: <enter>
Input your edit comments.
Edit? NO// <enter>

6. Establish an IFC Pharmacogenomics E-Consult

An interfacility (IFC) e-consult is being implemented as part of the PHASER Program.
The IFC will provide facilities participating in the Program with a means to communicate
with the PHASER program regarding assistance in interpretation of results of
pharmacogenomic test results as well as additional questions regarding program
participation. The IFC will serve as a means of provider to provider communication and
no direct patient care services will be rendered by this e-consult.

A. CREATE the IFC PHARMACOGENOMICS E-CONSULT Service

SS   Set up Consult Services [GMRC SETUP REQUEST SERVICES]

SERVICE NAME: IFC PHARMACOGENOMICS E-CONSULT
ABBREVIATED PRINT NAME (Optional):
INTERNAL NAME:
Select SYNONYM:
SERVICE USAGE:
SERVICE PRINTER:
NOTIFY SERVICE ON DC:
REPRINT 513 ON DC:
PREREQUISITE:
  Edit? NO//
PROVISIONAL DX PROMPT: REQUIRE
PROVISIONAL DX INPUT: LEXICON
DEFAULT REASON FOR REQUEST:
  No existing text
  Edit? NO//
RESTRICT DEFAULT REASON EDIT:

Inter-facility information
IFC ROUTING SITE: 558
IFC REMOTE NAME: IFC PHARMACOGENOMICS E-CONSULT TO DURHAM

SERVICE INDIVIDUAL TO NOTIFY:
Select SERVICE TEAM TO NOTIFY:
Select NOTIFICATION BY PT LOCATION:
PROCESS PARENTS FOR NOTIFS:
Select UPDATE USERS W/O NOTIFICATIONS:

Select UPDATE TEAMS W/O NOTIFICATIONS:
Select UPDATE USER CLASS W/O NOTIFS:
Select ADMINISTRATIVE UPDATE USER:
Select ADMINISTRATIVE UPDATE TEAM:
ADMINISTRATIVE UPDATE TEAM:
NOTIFICATION RECIPIENTS:
Select ADMINISTRATIVE UPDATE TEAM:
PROCESS PARENTS FOR UPDATES:

SPECIAL UPDATES INDIVIDUAL:
RESULT MGMT USER CLASS:
UNRESTRICTED ACCESS:
Select SUB-SERVICE/SPECIALTY:
ADMINISTRATIVE:

B. **ADD** the new consult service IFC PHARMACOGENOMICS E-CONSULT as a
subservice/specialty to the appropriate grouper.

SERVICE NAME: <mark>NAME OF YOUR SITE'S GROUPER HERE</mark> Replace
ABBREVIATED PRINT NAME (Optional):
INTERNAL NAME:
Select SYNONYM:
SERVICE USAGE: GROUPER ONLY//
SERVICE PRINTER:
(some fields omitted to save space)
.
SPECIAL UPDATES INDIVIDUAL:
RESULT MGMT USER CLASS:
UNRESTRICTED ACCESS:
Select SUB-SERVICE/SPECIALTY: <mark>IFC PHARMACOGENOMICS E-CONSULT</mark>
  Are you adding 'IFC PHARMACOGENOMICS E-CONSULT' as
   a new SUB-SERVICE? No// <mark>Y</mark> (Yes)
  MNEMONIC:
Select SUB-SERVICE/SPECIALTY:
ADMINISTRATIVE:

Add/Edit Another Service? NO//

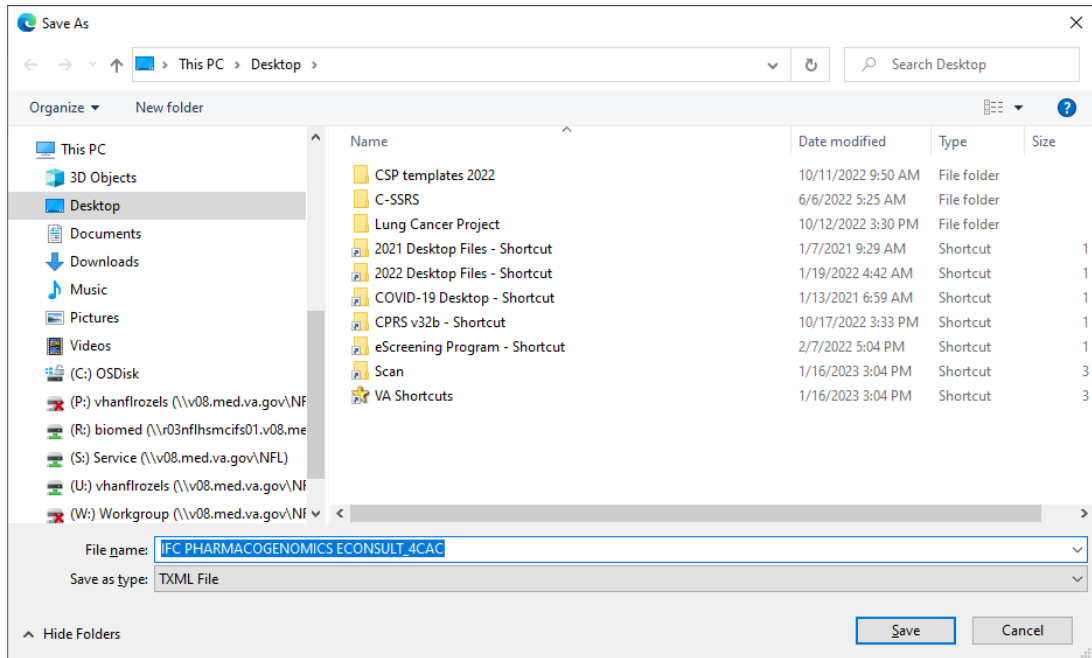C. **IMPORT** the IFC reason for request template and link to the consult.

REDACTED

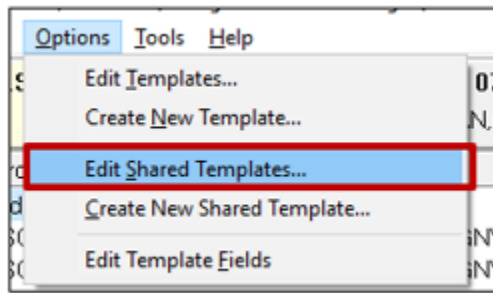Click the IFC PHARMACOGENOMICS ECONSULT_4CAC box shown below.
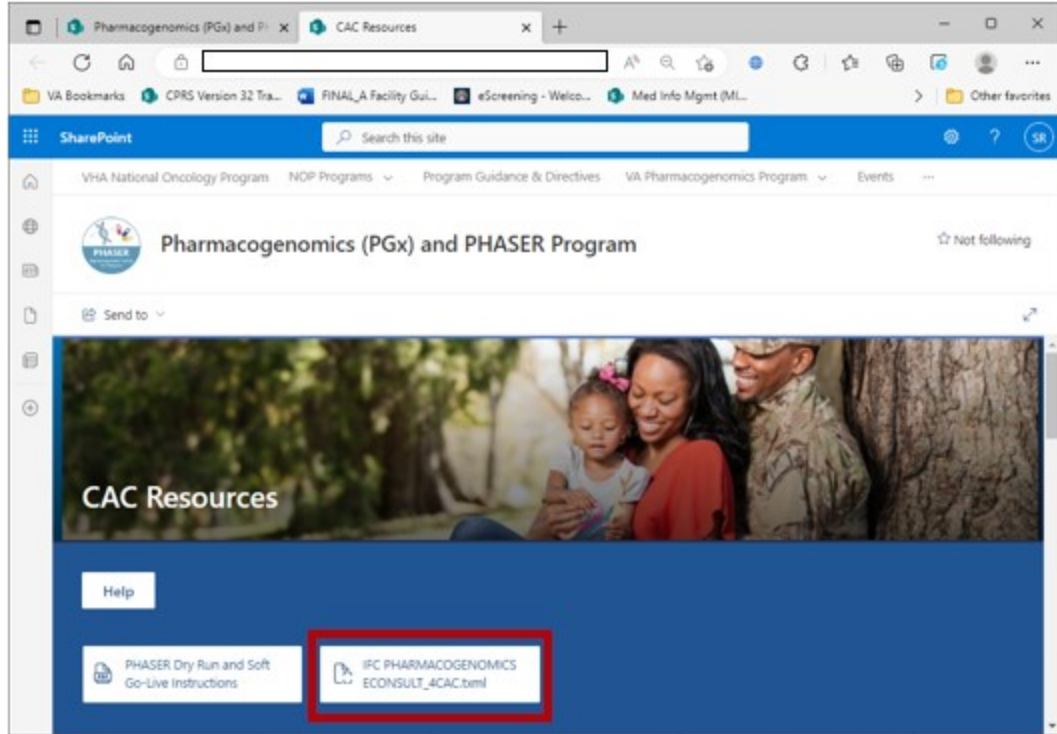
Click "Download" when the screen below displays. DO NOT click "Open".
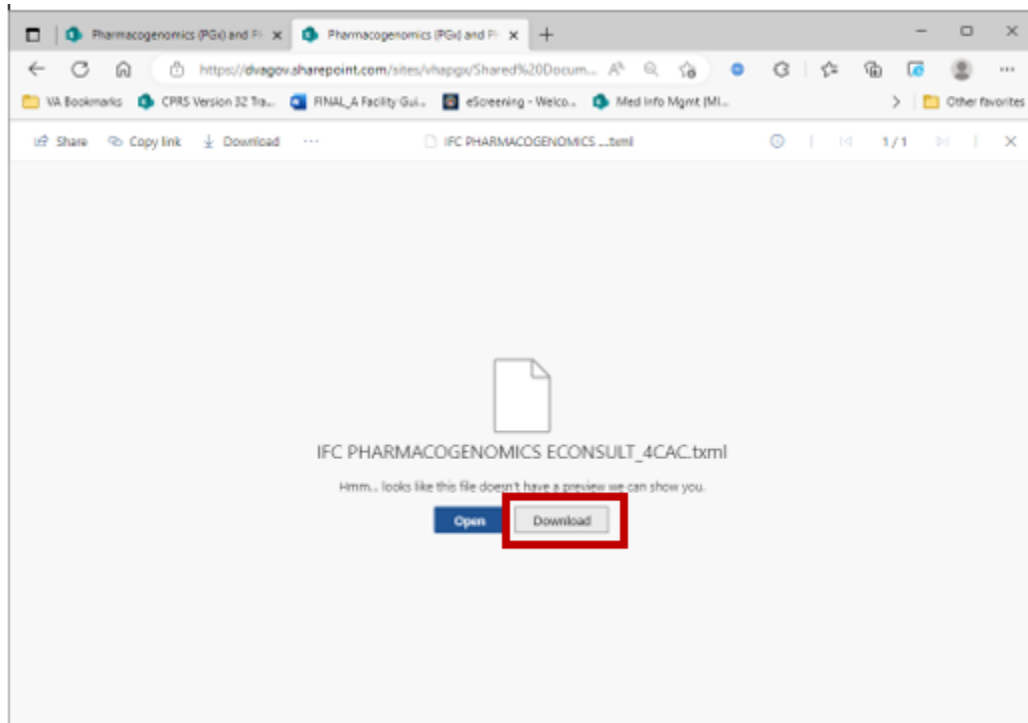
When given the option to Save, save the TXML template to your Desktop.

In CPRS Notes tab on the Tools bar, click on Options → Edit Shared Templates…


In CPRS Template Editor, go to the Consult Reasons for Request folder.
Click on the Consult Reasons for Request to highlight it and expand this folder by double-clicking on the name or clicking on the 'triangle' to left of the folder name.
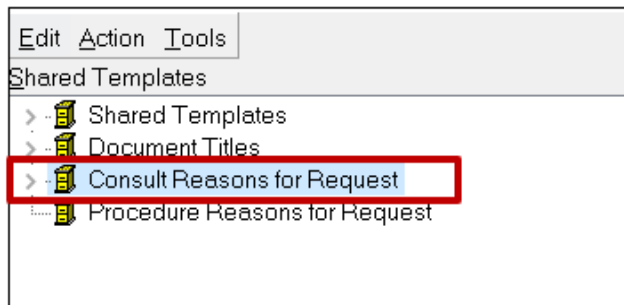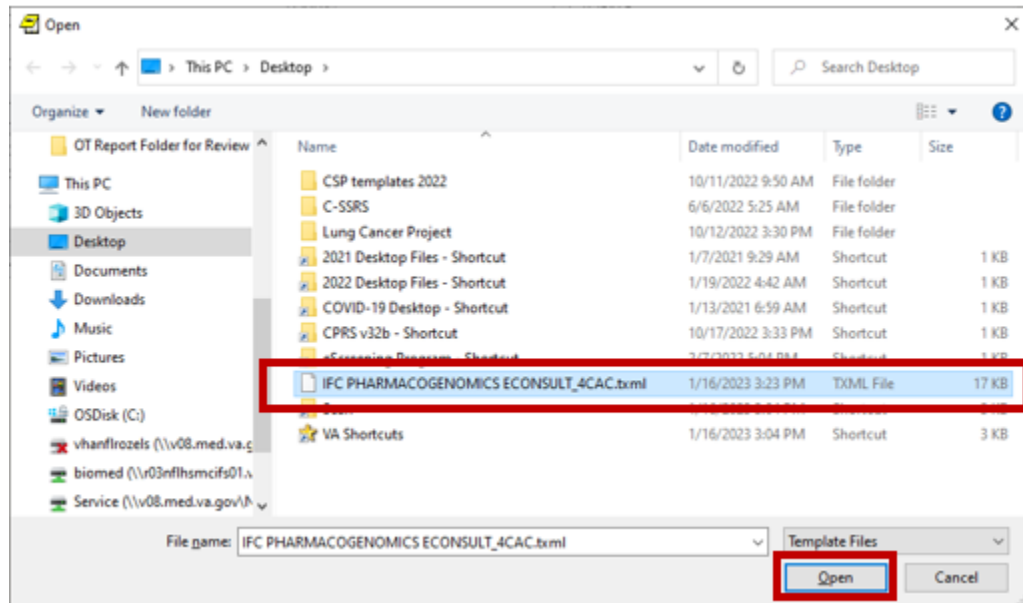

Select the folder you wish to add the consult template to (in this example – IFC Consults).
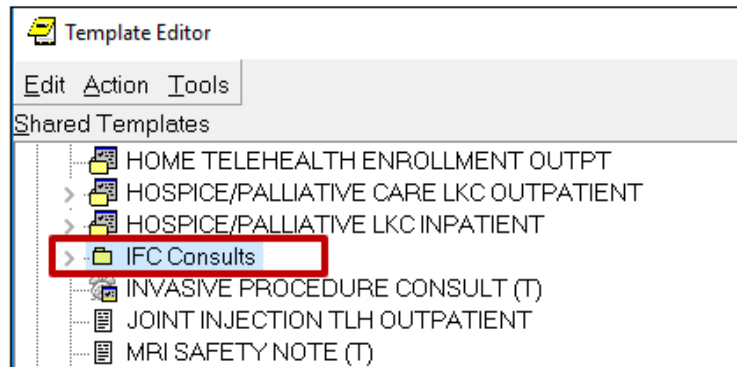
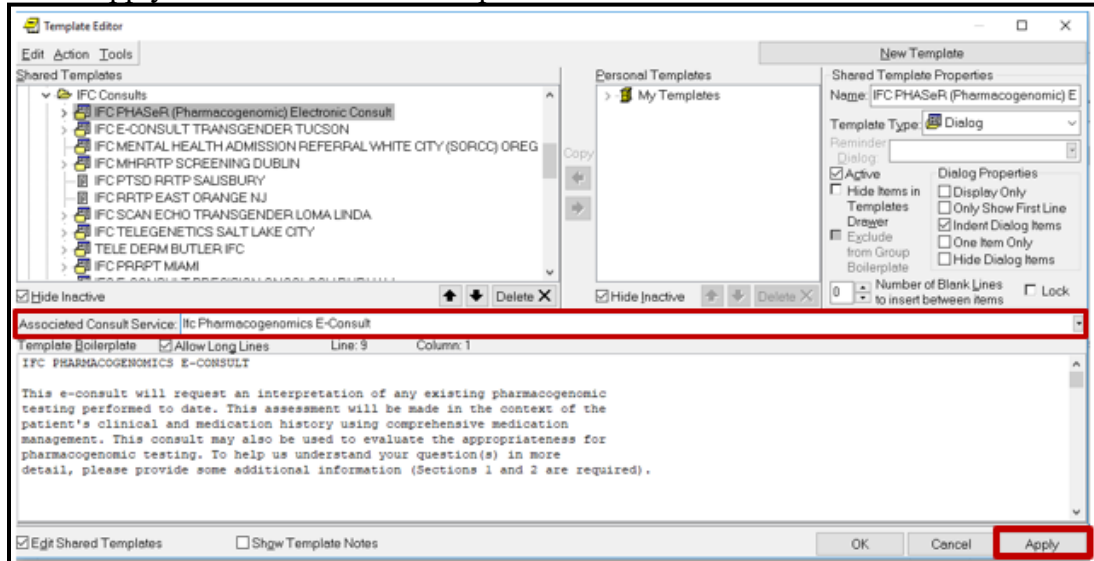On the Tools bar, select Tools → Import Template
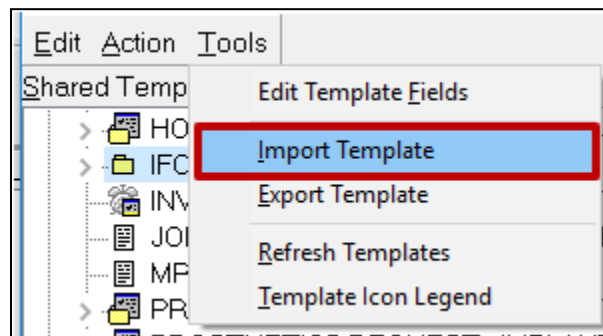
Select the template from where you saved it and click on 'Open' to import the template.

Select the template by clicking on it. In the Associated Consult Service box, type:

IFC PHARMACOGENOMICS E-CONSULT
Click Apply to save and link the template to the consult service.

D. CREATE a quick order for the consult service

Use your site's naming convention for the quick order.

Select Order Menu Management Option: QO Enter/edit quick orders

Select QUICK ORDER NAME: GMRCTZ IFC PHARMACOGENOMICS E-CONSULT
  Are you adding 'GMRCTZ IFC PHARMACOGENOMICS E-CONSULT' as
   a new ORDER DIALOG? No// Y (Yes)
TYPE OF QUICK ORDER: CONSULTS
NAME: GMRCTZ IFC PHARMACOGENOMICS E-CONSULT Replace <enter>
DISPLAY TEXT: IFC Pharmacogenomics E-Consult
VERIFY ORDER:
DESCRIPTION:
  Edit? NO//

Consult to Service/Specialty: IFC PHARMACOGENOMICS E-CONSULT
Consult Type:
Reason for Request:
  No existing text
  Edit? No// (No)
Category: OUTPATIENT
Urgency: ROUTINE//
Clinically Indicated Date://
Place of Consultation:
Attention:
Provisional Diagnosis:

    Consult to Service/Specialty: IFC PHARMACOGENOMICS E-CONSULT
               Category: OUTPATIENT

(P)lace, (E)dit, or (C)ancel this quick order? PLACE//
Auto-accept this order? NO//

Work with your local stakeholders to ensure this quick order is placed in all ordering menus/locations that will be conducive to local workflow processes.

E. **Notify Durham VAMC** to coordinate configuration on their side (as a receiving site).   Email REDACTED to notify that your site is adding this IFC. They will need your site's *station number* to add your site to Durham's set-up

F. **TEST the IFC configuration**
After Durham has added your site to their set-up, test the IFC configuration to ensure it has been successfully configured.

Select Consult Management Option: IFC IFC Management Menu

    TI   Test IFC implementation
    LI   List incomplete IFC transactions
    IFC   IFC Requests
    TR   IFC Transaction Report
    LK   Locate IFC by Remote Cslt #
    BK   Monitor IFC background job parameters
    AI   Print All Incomplete IFC Transactions
    EP   Edit IFC Processing Parameters
    IP   IFC Requests By Patient
    IR   IFC Requests by Remote Ordering Provider
    MP   Configure test account patients for IFC
    PI   Print IFC Requests

Select IFC Management Menu Option: TI Test IFC implementation

    Select one of the following:

        P   procedure
        C   consult service

    Would you like to test a procedure or consult service: Consult service

    Select the Consult service that you'd like to test: IFC PHARMACOGENOMICS E-CONSULT

    attempting to connect to remote system...

Congratulations! You're configured correctly.

Would you like to test another implementation? N

If you see an error message, please work with the host site to correct any configuration issues.

G. **SUPPORT**
For questions/issues about the CLINICAL CONTENT of the template/consult, contact:

REDACTED
For TECHNICAL issues/problems regarding the template/consult, please contact:
REDACTED
REDACTED

7. Setting up PHARMACOGENOMICS NOTE as a Posting

This step is optional but *highly recommended* to increase visibility of the patient's Pharmacogenomics information. To set up the PHARMACOGENOMICS NOTE as a Posting with auto-demotion set-up, follow the steps below. If your site does not typically support Postings of this type, please notify REDACTD (PHASER Program Manager) at: REDACTED

A. **Move PHARMACOGENOMICS NOTE** to the CLINICAL WARNING document class
B. **Create a second note title** that will be used as the auto-demotion target title
    Document Class: **ONCOLOGY SERVICE** (or similar equivalent)
    Name: **PHARMACOGENOMICS NOTE - HISTORICAL**
    VHA Enterprise Standard Title: **HEMATOLOGY AND ONCOLOGY NOTE**

    ** Important: Leave this second note title in a status of INACTIVE to avoid having it show up in CPRS as a note title to choose **
C. **Auto-Demotion Setup**
To finish the Auto-Demotion Setup for this note, navigate to the Text Integration Utilities (MIS Manager) menu in VistA.

```
                     --- MIS Managers Menu ---
          1    Individual Patient Document
          2    Multiple Patient Documents
          3    Print Document Menu ...
          4    Search for Selected Documents
          5    Statistical Reports ...
          6    Unsigned/Uncosigned Report
          7    Missing Text Report
          9    Signed/unsigned PN report and update
          10   UNKNOWN Addenda Cleanup
          11   Missing Expected Cosigner Report
          12   Mark Document as 'Signed by Surrogate'
          13   Mismatched ID Notes
          14   TIU 215 ANALYSIS ...
          15   Transcription Billing Verification Report
          17   CWAD/Postings Auto-Demotion Setup

      Select Text Integration Utilities (MIS Manager) Option: 17  CWAD/
            Postings Auto-Demotion Setup
```

TITLE
    Std Title: HEMATOLOGY AND ONCOLOGY NOTE

Select a NON-Posting TITLE as the demotion target: **<mark>PHARMACOGENOMICS NOTE - HISTORICAL</mark>**   TITLE
    Std Title: HEMATOLOGY AND ONCOLOGY NOTE

Done. Post-Signature code has been set (or reset) as follows...
TITLE: PHARMACOGENOMICS NOTE
POST-SIGNATURE ACTION: D SILENT^TIUCWD(4369,4370)