



Update_2_0_112

Clinical Reminders

VA-PHASER TEMPLATE

Install Guide

May 2020

Product Development
Office of Information Technology
Department of Veterans Affairs

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Introduction

This update is for the Pharmacogenomic Testing for Veterans (PHASER) program. The overall goal of PHASER is to improve the efficacy and reduce the toxicity of commonly prescribed medications using pharmacogenomic testing, by incorporating results into the electronic health record and utilizing clinical decision support to guide interpretation and use of test results. Intended users of this template are individuals with permissions to conduct the consent process, place an order for pharmacogenomic testing or enter test results. If patient consent is indicated, the test order dialog will automatically launch at the appropriate point in the process.

This template is mandatory at engaged sites. Site engagement will be rolled out nationally in planned increments. All sites should ensure the template is installed. POC is Jennifer Chapman (jennifer.chapman2@va.gov).

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

UPDATE_2_0_112 contains 1 Reminder Exchange entry:

UPDATE_2_0_112 VA-PHASER TEMPLATE

The exchange file contains the following components:

ROUTINE

PXRMASU
PXRMCDEF

TIU TEMPLATE FIELD

VA-DATE DEFAULT TODAY
VA-PGX BLANK SPACE
VA-PHASER SHAREPOINT

HEALTH FACTORS

VA-REMINDER UPDATES
VA-UPDATE_2_0_112
VA-PGX GENE TESTING
VA-PGX VKORC1 UNINFORMATIVE
VA-PGX VKORC1 HIGH WARFARIN SENS
VA-PGX VKORC1 INTERMED WARFARIN SENS
VA-PGX VKORC1 NORMAL WARFARIN SENS
VA-PGX TPMT IM OR POOR METABOLIZER
VA-PGX TPMT UNINFORMATIVE
VA-PGX TPMT POOR METABOLIZER
VA-PGX TPMT INTERMED METABOLIZER
VA-PGX TPMT NORMAL METABOLIZER
VA-PGX SLCO1B1 UNINFORMATIVE
VA-PGX SLCO1B1 POOR FUNCTION
VA-PGX SLCO1B1 DECREASED FUNCTION
VA-PGX SLCO1B1 NORMAL FUNCTION
VA-PGX DPYD UNINFORMATIVE

VA-PGX DPYD POOR METABOLIZER
VA-PGX DPYD INTERMED METABOLIZER
VA-PGX DPYD NORMAL METABOLIZER
VA-PGX CYP3A5 UNINFORMATIVE
VA-PGX CYP3A5 POOR METABOLIZER
VA-PGX CYP3A5 INTERMED METABOLIZER
VA-PGX CYP3A5 NORMAL METABOLIZER
VA-PGX CYP2D6 UR OR NORM METABOLIZER
VA-PGX CYP2D6 POSS IM OR UR METABOLIZER
VA-PGX CYP2D6 UNINFORMATIVE
VA-PGX CYP2D6 POOR METABOLIZER
VA-PGX CYP2D6 INTERMED METABOLIZER
VA-PGX CYP2D6 NORMAL METABOLIZER
VA-PGX CYP2D6 IM OR NORM METABOLIZER
VA-PGX CYP2D6 ULTRARAPID METABOLIZER
VA-PGX CYP2C9 POSS PM METABOLIZER
VA-PGX CYP2C9 POSS IM METABOLIZER
VA-PGX CYP2C9 UNINFORMATIVE
VA-PGX CYP2C9 POOR METABOLIZER
VA-PGX CYP2C9 INTERMED METABOLIZER
VA-PGX CYP2C9 NORMAL METABOLIZER
VA-PGX CYP2C19 UNINFORMATIVE
VA-PGX CYP2C19 POOR METABOLIZER
VA-PGX CYP2C19 INTERMED METABOLIZER
VA-PGX CYP2C19 NORMAL METABOLIZER
VA-PGX CYP2C19 RAPID METABOLIZER
VA-PGX CYP2C19 ULTRARAPID METABOLIZER
VA-PGX 8 GENE PANEL
VA-PGX IFNL3 UNINFORMATIVE
VA-PGX IFNL3 UNFAVORABLE
VA-PGX IFNL3 FAVORABLE
VA-PGX CYP4F2 UNINFORMATIVE
VA-PGX CYP4F2 ALTERED FUNCTION
VA-PGX CYP4F2 NORMAL FUNCTION
VA-PGX CYP2C UNINFORMATIVE
VA-PGX CYP2C HIGH SENSITIVITY
VA-PGX CYP2C LOW SENSITIVITY
VA-PGX 11 GENE PANEL
VA-PGX FOLLOW UP LATER
VA-PGX TESTING DECLINED
VA-PGX TESTING ACCEPTED
VA-PGX DECLINE OTHER CONCERN
VA-PGX DECLINE NO INTEREST
VA-PGX DECLINE MED CONCERN
VA-PGX DECLINE TESTING CONCERN
VA-PGX DECLINE PRIVACY CONCERN
VA-PGX PROVIDER EDUCATION

REMINDER SPONSOR

VHA ONCOLOGY
OFFICE OF NURSING SERVICE

REMINDER TERM

VA-REMINDER UPDATE_2_0_112
VA-PGX AUTHORIZED STAFF
VA-BL CONSENT PREVIOUSLY ACC/DEC/FOL
VA-BL CONSENT PREVIOUSLY DECLINED
VA-BL CONSENT PREVIOUSLY ACCEPTED
VA-BL CONSENT PREVIOUSLY ACCEPTED/DECLINED

REMINDER DEFINITION

VA-BL CONSENT AND ORDER DECLINED
VA-BL CONSENT AND ORDER ACCEPTED
VA-BL CONSENT AND ORDER ACCEPT/DECLINE/DEFER

REMINDER DIALOG

VA-PHARMACOGENOMIC TESTING FOR VETERANS

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_112.PRD

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

If your site is unable to use the LWH option, you will have a vista mail message with subject of UPDATE 2 0 112 and you can use the LMM option to install.

Installation:

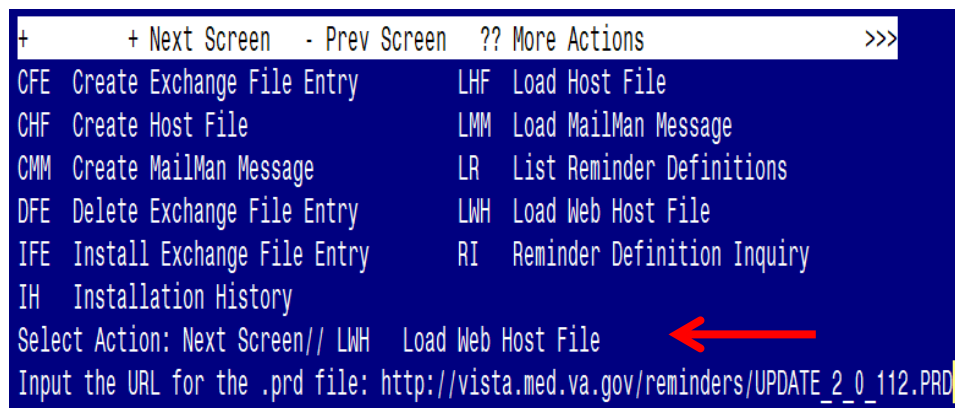
=====

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



The screenshot shows a blue command-line interface window titled '+ Next Screen - Prev Screen ?? More Actions >>>'. It contains a list of menu items in two columns: CFE Create Exchange File Entry, CHF Create Host File, CMM Create MailMan Message, DFE Delete Exchange File Entry, IFE Install Exchange File Entry, IH Installation History, LHF Load Host File, LMM Load MailMan Message, LR List Reminder Definitions, LWH Load Web Host File, and RI Reminder Definition Inquiry. The 'LWH Load Web Host File' option is highlighted, and a red arrow points to it. Below the menu, the text 'Select Action: Next Screen// LWH Load Web Host File' is displayed. At the bottom, the prompt 'Input the URL for the .prd file:' is followed by the URL 'http://vista.med.va.gov/reminders/UPDATE_2_0_112.PRD' which is highlighted in yellow.

```
+ 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

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_112.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_112.PRD

You should see a message at the top of your screen that the file successfully loaded. If not, use the LMM option to load the exchange file from your VistA email.

+Item	Entry	Source	Date Packed
118	UPDATE_2_0_112 VA-PHASER TEMPLATE	PLOTT@SALT LAKE CI	04/27/2020@06:43
119	UPDATE_2_0_113 VA-CAREGIVER PROGRAM STATUS TEMPLATES	GRIFFITH@SALT LAKE CI	03/05/2020@08:49
120	UPDATE_2_0_115 VA-TELERETINOPATHY TEMPLATE UPDATES	GRIFFITH@SALT LAKE CI	03/12/2020@06:40
121	UPDATE_2_0_116 VA-TH EMERGENCY MANAGEMENT TEMPLATES	GRIFFITH@SALT LAKE CI	03/24/2020@07:31
122	UPDATE_2_0_117 VA-SCREENING COVID 19	GRIFFITH@SALT LAKE CI	03/13/2020@06:43
+ + 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 (1-382): 118			

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

Enter the number that corresponds with your entry titled **UPDATE_2_0_112 VA-PHASER TEMPLATE** (in this example it is entry 118, it will vary by site)

Component	Category	Exists
Source: PLOTT,JOSEPH G at SALT LAKE CITY		
Date Packed: 04/27/2020@06:43:33		
Package Version: 2.0P35		
Description:		
The following Clinical Reminder items were selected for packing:		
REMINDER DIALOG		
VA-PHARMACOGENOMIC TESTING FOR VETERANS		
REMINDER TERM		
VA-REMINDER UPDATE_2_0_112		
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:

Packed reminder dialog: VA-PHARMACOGENOMIC TESTING FOR VETERANS [NATIONAL DIALOG]

Item	Seq.	Dialog Findings	Type	Exists
1		VA-PHARMACOGENOMIC TESTING FOR VETERANS	dialog	
2	10	VA-PHASER NOTE VERSION Finding: *NONE*	element	
3	20	VA-GP PHASER CONSENT/ORDER AND TEST RESULTS Finding: *NONE*	group	
4	20.10	VA-GP PHASER CONSENT AND ORDER PLACEHOLDER Finding: *NONE*	group	
5	20.10.5	VA-GP PHASER CONSENT AND ORDER INITIAL Finding: *NONE*	group	
6	20.10.5.10	VA-GP PHASER CONSENT DISCUSSED Finding: VA-PGX PROVIDER EDUCATION (HEALTH FACTOR)	group	X
7		PXRM VISIT DATE FORCED TODAY	forced	X
8	20.10.5.10.10	VA-EL PHASER ORDER PT AGREES	element	

+ + 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-PHARMACOGENOMIC TESTING FOR VETERANS

Install reminder dialog and all components with no further changes: **Y// ES**

VA-PHARMACOGENOMIC TESTING FOR VETERANS (reminder dialog) installed from exchange

Item	Seq.	Dialog Findings	Type	Exists
1		VA-PHARMACOGENOMIC TESTING FOR VETERANS	dialog	X
2	10	VA-PHASER NOTE VERSION Finding: *NONE*	element	X
3	20	VA-GP PHASER CONSENT/ORDER AND TEST RESULTS Finding: *NONE*	group	X
4	20.10	VA-GP PHASER CONSENT AND ORDER PLACEHOLDER Finding: *NONE*	group	X
5	20.10.5	VA-GP PHASER CONSENT AND ORDER INITIAL Finding: *NONE*	group	X
6	20.10.5.10	VA-GP PHASER CONSENT DISCUSSED Finding: VA-PGX PROVIDER EDUCATION (HEALTH FACTOR)	group	X
7		PXRM VISIT DATE FORCED TODAY	forced	X
8	20.10.5.10.10	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**.

Component	Category	Exists
Source: PLOTT,JOSEPH G at SALT LAKE CITY		
Date Packed: 04/27/2020@06:43:33		
Package Version: 2.0P35		
Description:		
The following Clinical Reminder items were selected for packing:		
REMINDER DIALOG		
VA-PHARMACOGENOMIC TESTING FOR VETERANS		
REMINDER TERM		
VA-REMINDER UPDATE_2_0_112		
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-PHARMACOGENOMIC TESTING FOR VETERANS **Enter>**

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

2. Setup of Note title

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 [TIU/ASU Implementation Guide](#)

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

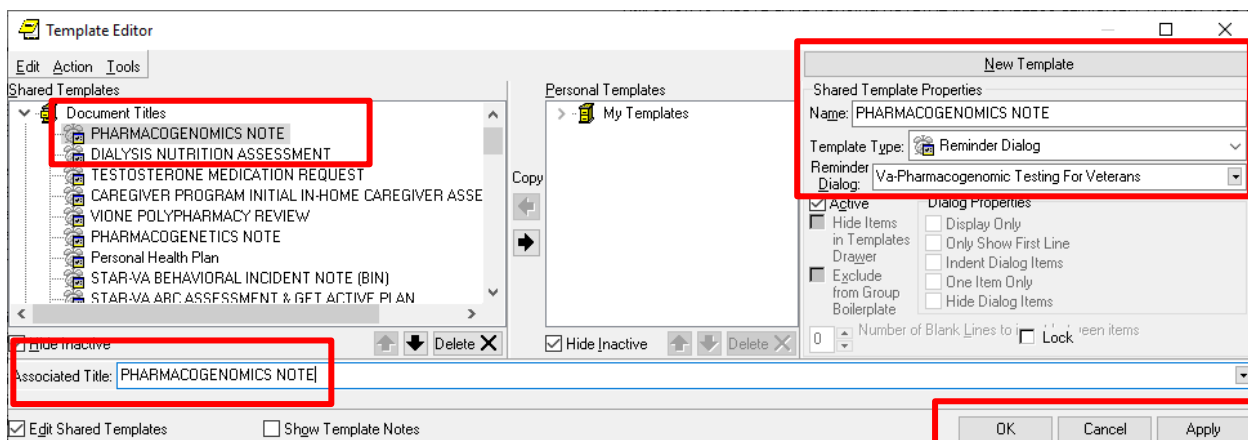
To do this, go to Template Editor, then Document Titles, select the appropriate folder (if applicable), and choose New Template (top right-hand corner).

Type in the following information:

Name: **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.

For TECHNICAL questions regarding any of the remaining Post-Install steps, please contact: **REDACTED**

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 **<enter>**

ABBREVIATION: **<enter>**

ACTIVE: **1** Active

Select SUBCLASS: **<enter>**

**** You will need to assign this newly created User Class to any staff who are authorized to 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 **VA-PGX AUTHORIZED STAFF** 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: **TRM** 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: **TE** Add/Edit Reminder Term

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

Choose from:

CF VA-ASU USER CLASS	Finding # 1
Select Finding: 1 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.

**** Lab personnel at your site will need to create the new lab test before you will be able to use it in this quick order. ****

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. It can be set to auto-accept if desired. This example demonstrates setting auto-accept to yes.

Creating quick order:

From the Order Menu Management Option:

OI	Manage orderable items ...
PM	Enter/edit prompts
GO	Enter/edit generic orders
QO	Enter/edit quick 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: **TODAY**

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// **YES**

(can change to NO if your facility does not allow auto-accepted lab orders)

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:

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: **DM** Reminder Dialog Management

DP	Dialog Parameters ...
DI	Reminder Dialogs
DR	Dialog Reports ...
IA	Inactive Codes Mail Message

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)

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

Select one of the following:

D	Reminder Dialogs
E	Dialog Elements
F	Forced Values
G	Dialog Groups
P	Additional Prompts
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** (your number will most likely be different)

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 MATERIALS GIVEN (Dialog Group)

VA-GP PHASER CONSENT DISCUSSED (Dialog Group)

FINDING ITEM: VA-PGX TESTING ACCEPTED// ****do not remove this health factor****

Select ADDITIONAL FINDINGS: **Q.LRZ PGX PANEL ONCE SP AA** (Q.NAME OF QUICK ORDER)

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

The National Oncology Program Office is implementing an inter-facility e-consult 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. This may be your site’s IFC specific grouper or a grouper used for Oncology consults.

SERVICE NAME: **NAME OF YOUR SITE’S GROUPER HERE** 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: **IFC PHARMACOGENOMICS E-CONSULT**

Are you adding 'IFC PHARMACOGENOMICS E-CONSULT' as
a new SUB-SERVICE? No// **Y** (Yes)

MNEMONIC:

Select SUB-SERVICE/SPECIALTY:

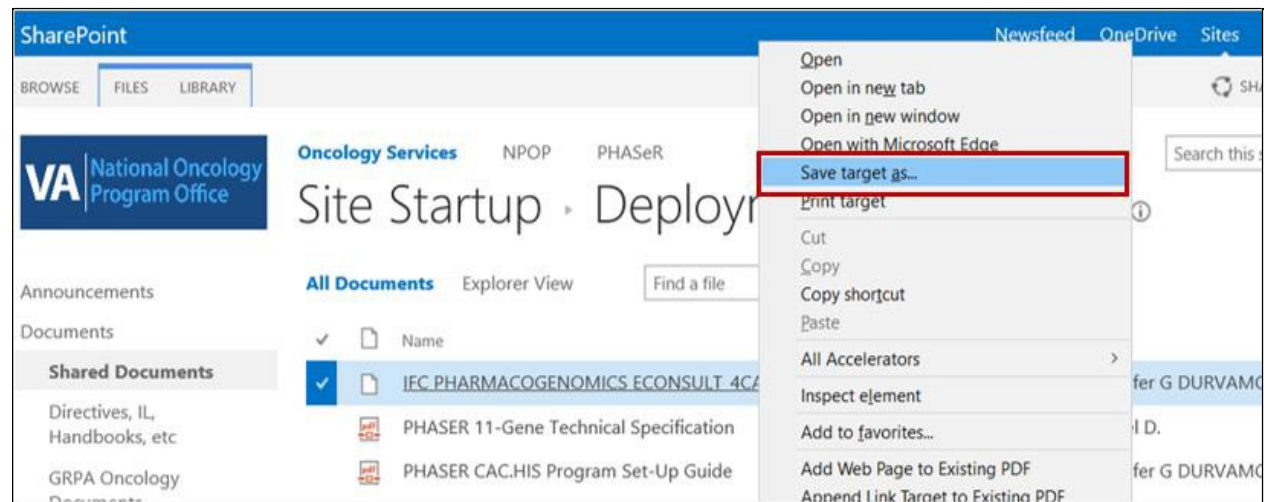
ADMINISTRATIVE:

Add/Edit Another Service? NO//

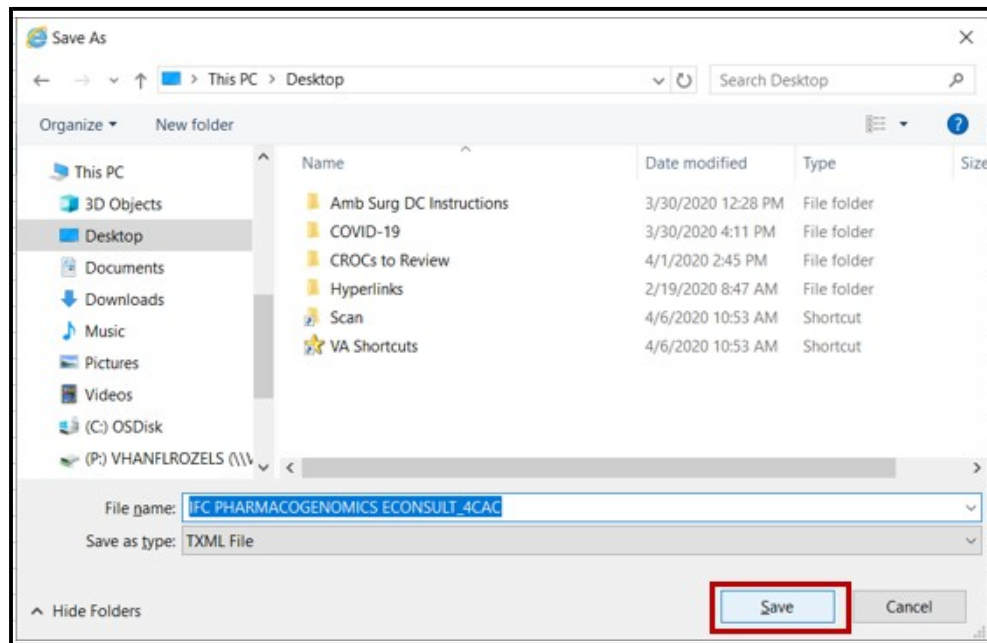
- C. IMPORT** the IFC reason for request template and link to the consult


Click the link below and then Click on the arrow next to “Save” to choose “Save as”.

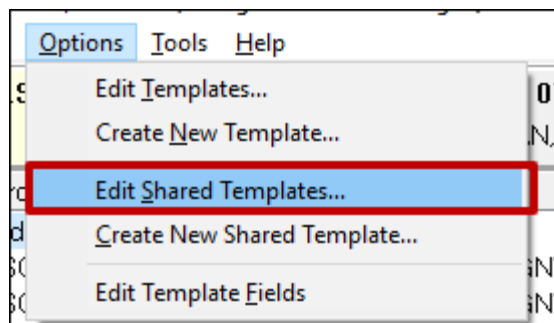
[IFC Pharmacogenomics E-Consult TXML Template](#)



Save the TXML template to your Desktop.



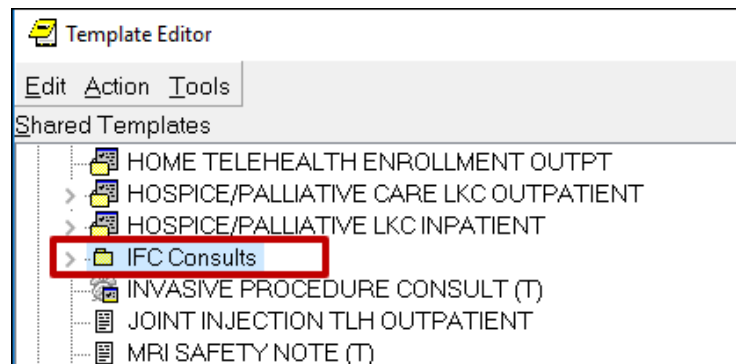
In CPRS Notes tab on the Tools bar, click on Options  Edit Shared Templates...



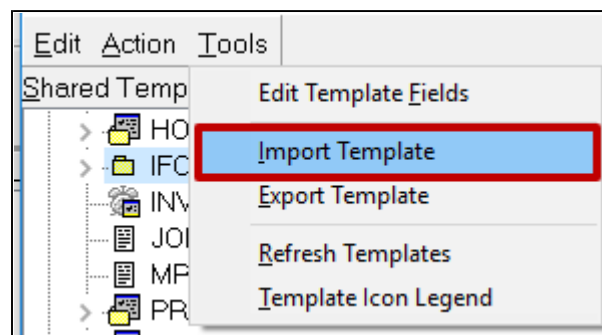
In CPRS template editor, go to the Consult Reasons for Request folder. Click on the Consult Reasons for Request to highlight it and expand this folder by double-clicking on the name or clicking on the 'triangle' to left of the folder name.



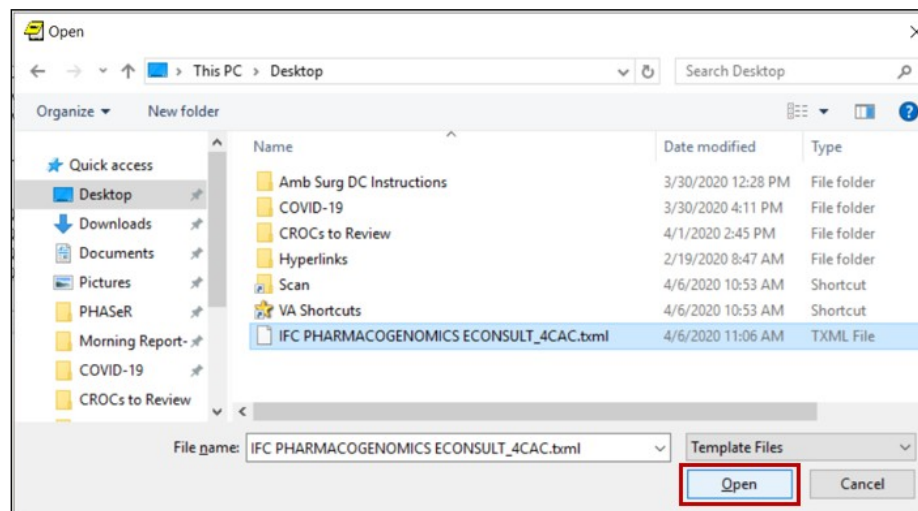
Select the folder you wish to add the consult template to (in this example - IFC Consults).



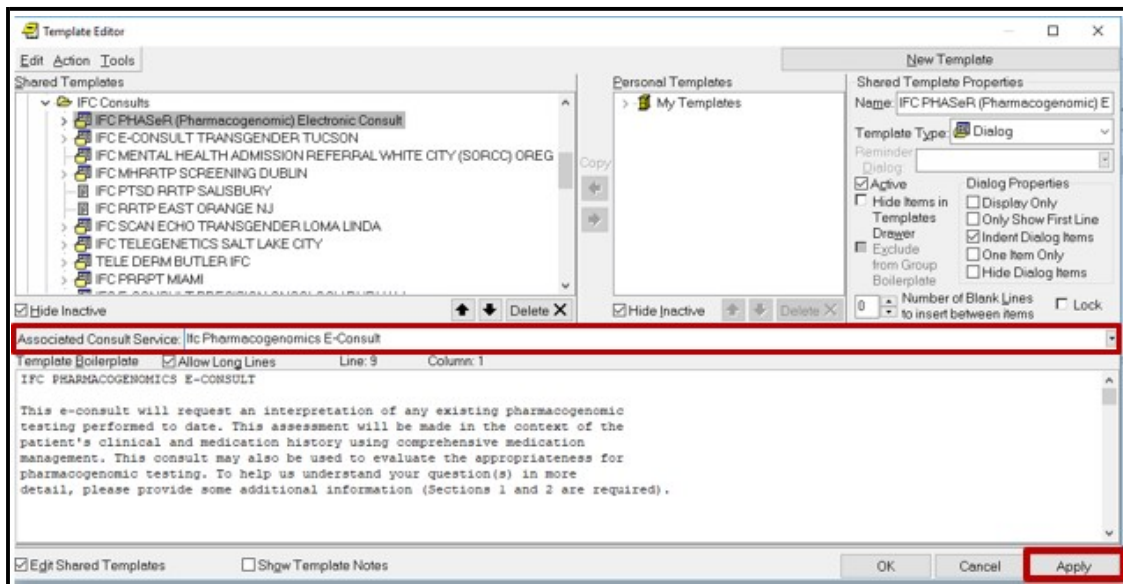
On the Tools bar, select Tools **7** Import Template



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

Urgency: ROUTINE

Clinically Indicated Date:

(P)lace, (E)dit, or (C)ancel this quick order? PLACE//

Auto-accept this order? NO//

IMPORTANT: 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 Durham VAMC (vhadurcac@va.gov) 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

7. Limiting PHASER PGX Lab Test Access

Obtaining informed consent for genetic tests is required by VHA Handbook 1004.01 (Informed Consent for Clinical Treatments and Procedures). The reminder dialog associated with the PHARMACOGENOMICS NOTE in VistA/CPRS is designed to document a patient's consent decision in a progress note before the PGX lab test is ordered.

Without restricting the lab order to quick order only, it is possible to bypass the reminder dialog and order the PGX lab test without recording patient consent. This document describes the steps sites need to take to restrict the lab test to quick order only.

A. Restrict the lab test to quick order only (from Order Menu Management Option)

OI	Manage orderable items ...
PM	Enter/edit prompts
GO	Enter/edit generic orders
QO	Enter/edit quick 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: **OI** Manage orderable items

OI	Enter/edit orderable items
QO	Enter/edit QO restriction
SR	Search/replace orderables
VB	Edit VBECS item display names

Select Manage orderable items Option: **QO** Enter/edit QO restriction

Select an ORDERABLE ITEM (meds or labs only): **Pharmacogenomics Panel Test (PHASER)**

Select the type of usage for which you wish to restrict ordering of this item.

Usage: **LABORATORY**

QO ONLY: **YES** YES

Usage: **<enter>**

Select an ORDERABLE ITEM (meds or labs only): **<enter>**

- B. Since the lab will only be available via quick order, all fields in the quick order need to be defaulted.** Below is an example; some of your fields (i.e., Display Text) may look different and may not be blank if you had previously defaulted them when initially building the quick order. For this example, the Collection Date/Time is defaulted to “Today”.

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

Select QUICK ORDER NAME: **LRZ PGX PANEL ONCE SP AA** <name of your quick order here>

NAME: LRZ PGX PANEL ONCE SP AA Replace **<enter>**

DISPLAY TEXT: Pharmacogenomic Panel Replace **<enter>**

VERIFY ORDER: **NO**

DESCRIPTION:

Edit? NO//

Lab Test: Pharmacogenomics Panel Test (PHASER)// **<enter>**

Collected By: Send patient to lab// **<enter>**

Collection Sample: BLOOD// **<enter>**

Collection Date/Time: **TODAY**

Urgency: ROUTINE// **<enter>**

How often: ONCE// **<enter>**

```
-----
      Lab Test: Pharmacogenomics Panel Test (PHASER)
      Collected By: Send patient to lab
      Collection Sample: BLOOD
      Specimen: BLOOD
      Collection Date/Time: TODAY
      Urgency: ROUTINE
      How often: ONCE
-----
```

(P)lace, (E)dit, or (C)ancel this quick order? PLACE// **<enter>**

Auto-accept this order? **YES**

- C. Do a search and replace** on the quick order to ensure the quick order is *not* living on any ordering menus outside of the reminder dialog.

Select Order Menu Management Option: **SR** Search/replace components

Search for: **LRZ PGX PANEL ONCE SP AA** <name of your quick order here>

LRZ PGX PANEL ONCE SP AA has no menu items.

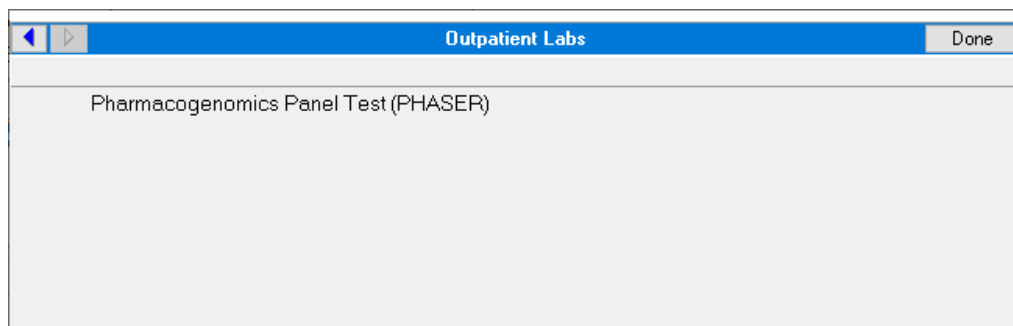
Search for: <enter>

What is displayed in the example above indicates the quick order is not on any ordering menus (outside of the dialog). If any menus are listed above, ensure those are removed so that providers cannot get to the quick orders outside of going through the reminder dialog.

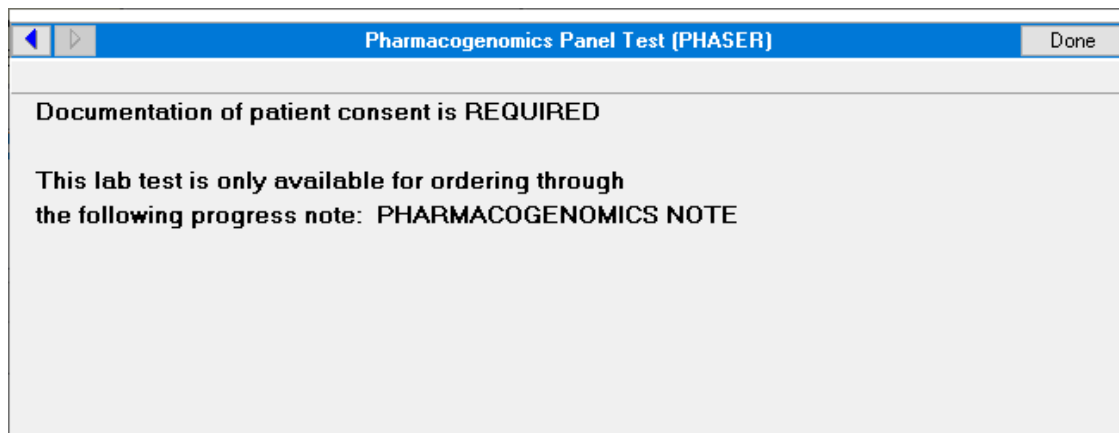
- D. Because the lab test is no longer available directly from the lab dialog, sites may choose to do one or both of the following to help direct providers looking for the lab test.

Both choices are optional; sites are not required to take these steps but may find them useful in creating awareness of the lab test's location.

Option #1: Place helper text on an ordering menu directing providers that consent is required, and the test is available through the PHARMACOGENOMICS NOTE



Clicking on the above would lead to further guidance; see below example:



Option #2: Work with your site's Lab IM/ADPAC to create a 'fake' lab test entry as a placeholder; by using a synonym, this will enable the placeholder to still show up in the lab dialog list but will give providers direction to use the appropriate note. Below is an example of the information the IM/ADPAC can use to set this up.

NUMBER: 8252

NAME: ORDER VIA PHARMACOGENOMICS NOTE

TYPE: INPUT (CAN BE ORDERED)
 SUBSCRIPT: CHEM, HEM, TOX, SER, RIA, ETC.
 LOCATION (DATA NAME): CH;576503;1
 LAB COLLECTION SAMPLE: <leave blank>
 FIELD: DD(63.04,576503,
 HIGHEST URGENCY ALLOWED: ROUTINE
 REQUIRED TEST: YES PRINT NAME: PHASER TEST
 DATA NAME: PHARMACOGENOMICS NOTE
 SYNONYM: Pharmacogenomics Panel Test
 GENERAL WARD INSTRUCTIONS: Consent required; this lab test is only available for
 ordering through the PHARMACOGENOMICS NOTE.
 INSTITUTION: <Institution name here>
 CREATION DATE: DEC 09, 2019
 AUDIT DATE/TIME: DEC 09, 2019@12:16:07
 AUDIT DATE/TIME: DEC 09, 2019@12:23:54
 INPUT TRANSFORM (c): K:\$L(X)>50!(\$L(X)<1) X
 DATA TYPE (c): FREE TEXT

Screenshot example:

The screenshot shows a software window titled "Order a Lab Test". On the left, under "Available Lab Tests", a list includes "Pharmacogenomics Panel Test" (highlighted), "PHENCYCLIDINE.QUAL", "PHENOBARBITAL", "PHENYTOIN", "PHENYTOIN.FREE", "PHILADELPHIA CHROMOSOM", and "PHNO". To the right, the "ORDER VIA PHARMACOGENOMICS NOTE" section contains dropdown menus for "Collect Sample", "Specimen" (set to "Other..."), and "Urgency" (set to "ROUTINE"). Below these are fields for "Collection Type" (set to "Send Patient to Lab"), "Collection Date/Time" (set to "TODAY"), "How Often?" (set to "ONE TIME"), and "How Long?". At the bottom, a yellow message box with an information icon states: "Consent required; this lab test is only available for ordering through the PHARMACOGENOMICS NOTE." Buttons for "Accept Order" and "Quit" are visible on the right.

8. Setting up PHARMACOGENOMICS NOTE as a Posting (OPTIONAL)

If sites would like to set up the PHARMACOGENOMICS NOTE as a Posting with auto-demotion set-up, follow the steps below. This is OPTIONAL for sites if they would like to use the functionality.

- 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: **PHARMACOGENOMICS
NOTE - HISTORICAL** 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)

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: Enterprise Applications

Enterprise Application: VistA - Clinical Reminders

Assignment Group: NTL SUP Clin 2