



**Update\_2\_0\_42**

**Clinical Reminders**

**VA-TELERETINAL DIALOGS**

**INSTALLATION and SETUP GUIDE**

**March 2018**

Product Development  
Department of Veterans Affairs

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# Introduction

The purpose of the Diabetic Teleretinal Imaging program is to ensure optimized eye care for diabetic patients that need retinal examinations in the Veteran's health care system. The Teleretinal imaging process migrated from the Joslin Vision Network (JVN) system to using the Computerized Patient Record System (CPRS), Interfacility Consults (IFCs), and VistA Imaging, with an interface to a 3<sup>rd</sup>-party image acquisition application (TOPCON, Canon, and other **approved** nonmydriatic fundus cameras).

## ***Background***

The Veterans Healthcare Administration (VHA) has almost 7 million enrolled veterans (with approximately 5 million active users) for whom it provides health care services at an annual cost of approximately \$27 billion. It is estimated that over 20% of VHA's patient population has diabetes mellitus; therefore diabetes is a major burden of disease for which the VHA provides care. The prevalence of diabetes in the veteran population makes the timely assessment of diabetic retinopathy a major VA health care need. In 2005, VHA began widespread implementation of teleretinal imaging using Telereader and VHA's VistA Imaging platform.

Maintaining and exceeding current rates of screening for diabetic retinopathy is the VHA's rationale for employing the use of teleretinal imaging. Since FY2000, based upon a productive partnership with the Department of Defense (DoD) and the Joslin Vision Network (JVN) in Boston, VHA initially implemented a pilot program at 6 sites. The clinical success of these pilots and other teleretinal imaging programs in VHA concluded that teleretinal imaging may help facilitate retinal screenings in growing diabetic populations such as VHA patients. In the context of a national screening program to detect referable retinopathy, digital retinal imaging has been shown to be an effective method for entering patients into an eye care program on a timely basis. In addition, technical failure rates are lower with digital imaging, and archiving images is more straightforward than conventional photography.

VHA estimated a short-term need for teleretinal imaging to assess 85,000 veterans with diabetes nationally and a long-term level of 170,000 – 200,000 patients annually. Since inception of the program in FY 2005-6, VHA has implemented imaging systems nationwide at more than 600 sites and has screened more than 1million unique patients with the expectation of meeting the need identified above.

**The Telretinal imaging program is coordinated by the VHA Office of Connected Care:Telehealth Services. Their home page is at <http://vaww.telehealth.va.gov/index.asp>**

UPDATE\_2\_0\_42 includes two reminder dialog updates. It contains Reminder Exchange entry:  
**UPDATE\_2\_0\_42 VA-TELERETINOPATHY NOTES**

This update will update the following reminder content:

### **TIU TEMPLATE FIELD**

TEXT 20 CHAR (REQ)  
BLANK SPACE1  
WP FREE TEXT FL55 I3  
COMMENT OPTIONAL  
VA-TRR DATE 1M  
VA-TRR DATE 2M  
VA-TRR DATE 9M

VA-TRR DATE 2Y  
VA-TRR DATE 1Y  
DATE  
VA-TRR DATE 6M  
VA-TRR DATE 4M  
VA-TRR DATE 3M

## **EDUCATION TOPICS**

VA-TRI DIABETIC EYE EDUCATION

## **EXAM**

VA-TRI DM EYE EXAM OTH ASSESS  
VA-TRI DM EYE EXAM OPTIC NERVE  
VA-TRI DM EYE EXAM MACULA  
VA-TRI DM EYE EXAM RETINOPATHY  
DIABETIC TELERETINAL EYE EXAM

## **HEALTH FACTORS**

VA-REMINDER UPDATES  
VA-UPDATE\_2\_0\_42  
VA-TRI CATEGORY-DM EYE EXAM  
VA-TRI DM OTH ASSESS UNABLE TO ASSESS  
VA-TRI DM OTH ASSESS EXAM ABNORMAL  
VA-TRI DM OTH ASSESS EXAM NORMAL  
VA-TRI DM OPTIC NRV EXAM UNABLE TO ASSES  
VA-TRI DM OPTIC NRV EXAM ABNORMAL  
VA-TRI DM OPTIC NRV EXAM NORMAL  
VA-TRI DM MACULA EXAM UNABLE TO ASSESS  
VA-TRI DM MACULA EXAM ABNORMAL  
VA-TRI DM MACULA EXAM NORMAL  
VA-TRI DM RETINOP EXAM UNABLE TO ASSESS  
VA-TRI DM RETINOP EXAM ABNORMAL  
VA-TRI DM RETINOP EXAM NORMAL  
VA-TRI DM EYE CONSULT DONE  
VA-TRI DM VISUAL ACUITY BOTH  
VA-TRI DM VISUAL ACUITY LT  
VA-TRI DM VISUAL ACUITY RT  
VA-TRI DM IOP LT  
VA-TRI DM IOP RT  
VA-TRI CATEGORY-DM EDUCATION  
VA-TRI DM EYE EDUCATION DONE  
VA-TRI DM EYE EXAM SCHEDULED  
VA-TRI CATEGORY-DM THERAPY  
VA-TRI DM CURRENT THERAPY-NONE  
VA-TRI DM CURRENT THERAPY-UNKNOWN  
VA-TRI DM CURRENT THERAPY-INSULIN  
VA-TRI DM CURRENT THERAPY-ORAL AGENT  
VA-TRI DM CURRENT THERAPY-DIET  
VA-TRI CATEGORY-DM LAB RESULTS

VA-TRI DM LAB HGBA1C  
 VA-TRI DM LAB LIPIDS  
 VA-TRI CATEGORY-DIABETES TYPE  
 VA-TRI DIABETES TYPE 2 PATIENT  
 VA-TRI DIABETES TYPE 1 PATIENT  
 VA-TRI DM EYECARE PREFERENCE-NON VA  
 VA-TRI DM EYE EXAM FUTURE  
 VA-TRI CATEGORY-DM COMPLICATIONS  
 VA-TRI DM HX CURRENTLY PREGNANT  
 VA-TRI DM HX LOWER EXT AMPUT  
 VA-TRI DM HX NEPHROPATHY  
 VA-TRI DM LAST RET EVAL-DIGITAL IMAGING  
 VA-TRI DM LAST RET EVAL-COMP F-T-F  
 VA-TRI DM LAST RET EVAL-SELF REPORTED  
 VA-TRI DM HX HBP/VASC HTN  
 VA-TRI DM HX LASER THERAPY RETINOPATHY  
 VA-TRI DM LAST RET EVAL-DATE UNKNOWN  
 VA-TRI DM LAST RETINAL EVAL  
 VA-TRI CATEGORY-DM DURATION  
 VA-TRI DM DURATION-CHART REVIEW  
 VA-TRI DM DURATION-SELF REPORT  
 VA-TRI DM DURATION 6 OR MORE YEARS  
 VA-TRI DM DURATION 1-5 YEARS  
 VA-TRI DM DURATION < 1 YEAR  
 VA-TRR CATEGORY-DM RECOMMENDATIONS  
 VA-TRR DM NOT CANDIDATE FOR SCRIN  
 VA-TRR CATEGORY-DM EYE EXAM  
 VA-TRR DM OTH ASSESS UNABLE TO ASSESS  
 VA-TRR DM OTH ASSESS EXAM ABNORMAL  
 VA-TRR DM OTH ASSESS EXAM NORMAL  
 VA-TRR DM OPTIC NERVE EXAM NORMAL  
 VA-TRR DM OPTIC NERVE EXAM ABNORMAL  
 VA-TRR DM OPTIC NRV EXAM UNABLE TO ASSES  
 VA-TRR DM MACULA EXAM UNABLE TO ASSESS  
 VA-TRR DM MACULA EXAM ABNORMAL  
 VA-TRR DM MACULA EXAM NORMAL  
 VA-TRR DM RETINOP EXAM UNABLE TO ASSESS  
 VA-TRR DM RETINOPATHY EXAM ABNORMAL  
 VA-TRR DM RETINOPATHY EXAM NORMAL  
 VA-TRR DM REFER UNABLE TO ASSESS  
 VA-TRR DM REFER COMP EYE CARE  
 VA-TRR DM REFER VISUALLY SIGNF CATARACT  
 VA-TRR DM REFER OTHER EYE DISEASE  
 VA-TRR DM REFER OPTIC NERVE DISEASE  
 VA-TRR DM REFER MACULA DISEASE  
 VA-TRR DM REFER RETINOPATHY  
 VA-TRR DM REFER OPTOMETRY 1 MONTH  
 VA-TRR DM REFER OPTOMETRY 2 MONTHS  
 VA-TRR DM REFER OPTOMETRY 9 MONTHS  
 VA-TRR DM REFER OPTOMETRY 2 YRS

VA-TRR DM REFER OPTOMETRY 1 YR  
 VA-TRR DM REFER OPTOMETRY-OTHER FREQ  
 VA-TRR DM REFER OPTOMETRY 6 MONTHS  
 VA-TRR DM REFER OPTOMETRY 4 MONTHS  
 VA-TRR DM REFER OPTOMETRY 3 MONTHS  
 VA-TRR DM REFER OPTOMETRY ASAP  
 VA-TRR DM REFER OPHTHALMOLOGY 9 MONTHS  
 VA-TRR DM REFER OPHTHALMOLOGY 4 MONTHS  
 VA-TRR DM REFER OPHTHALMOLOGY 1 MONTH  
 VA-TRR DM REFER OPHTHALMOLOGY 2 YRS  
 VA-TRR DM REFER OPHTHALMOLOGY 1 YR  
 VA-TRR DM REFER OPHTHALMOLOGY-OTHER FREQ  
 VA-TRR DM REFER OPHTHALMOLOGY 6 MONTHS  
 VA-TRR DM REFER OPHTHALMOLOGY 3 MONTHS  
 VA-TRR DM REFER OPHTHALMOLOGY 2 MONTHS  
 VA-TRR DM REFER OPHTHALMOLOGY ASAP  
 VA-TRR DM REFER OPHTH/OPTOM 2 MONTHS  
 VA-TRR DM REFER OPHTH/OPTOM 1 MONTH  
 VA-TRR DM REFER OPHTH/OPTOM 9 MONTHS  
 VA-TRR DM REFER OPHTH/OPTOM-OTHER FREQ  
 VA-TRR DM REFER OPHTH/OPTOM 2 YRS  
 VA-TRR DM REFER OPHTH/OPTOM 1 YR  
 VA-TRR DM REFER OPHTH/OPTOM 6 MONTHS  
 VA-TRR DM REFER OPHTH/OPTOM 4 MONTHS  
 VA-TRR DM REFER OPHTH/OPTOM 3 MONTHS  
 VA-TRR DM REFER OPHTH/OPTOM ASAP  
 VA-TRR DM REPEAT IMAGING-RETURN OTH  
 VA-TRR DM REPEAT IMAGING-RETURN 2 YRS  
 VA-TRR DM REPEAT IMAGING-RETURN 1 YR  
 VA-TRR DM REPEAT IMAGING-RET NEXT AVAIL  
 VA-TRR CATEGORY-DM EXAM FINDINGS RT EYE  
 VA-TRR DM FINDING ON INADQ ASSESS RT  
 VA-TRR DM FIND OTH ASSESS-OTH FIND RT  
 VA-TRR DM FIND OTH ASSESS-CHOR NEVUS RT  
 VA-TRR DM FIND OTH ASSESS-OTH AB FIND RT  
 VA-TRR DM FIND OTH ASSESS-HTN RTNOPY RT  
 VA-TRR DM FIND OTH ASSESS-OCCLUSION RT  
 VA-TRR DM FIND OTH ASSESS-RET EMBOLUS RT  
 VA-TRR DM FIND OTH ASSESS-CATARACT RT  
 VA-TRR DM FIND OTH ASSESS-NO ABN FIND RT  
 VA-TRR DM2 FINDING DR OTHER RT  
 VA-TRR DM2 FINDING DR NO RETINOPATHY RT  
 VA-TRR DM2 FINDING DR INADQ ASSESS RT  
 VA-TRR DM2 FIND DR PREV RET LASER TX RT  
 VA-TRR DM2 FINDING DR PDR MAC EDEMA RT  
 VA-TRR DM2 FIND DR PDR MAC NO EDEMA RT  
 VA-TRR DM2 FINDING DR SEV MAC EDEMA RT  
 VA-TRR DM2 FIND DR SEV MAC NO EDEMA RT  
 VA-TRR DM2 FINDING DR MOD MAC EDEMA RT  
 VA-TRR DM2 FIND DR MOD MAC NO EDEMA RT

VA-TRR DM2 FIND DR MLD MAC NO EDEMA RT  
 VA-TRR DM2 FINDING DR MLD MAC EDEMA RT  
 VA-TRR DM FINDING ON ELEVATED IOP RT  
 VA-TRR DM FINDING ON OTHER RT  
 VA-TRR DM FINDING ON DISC HEMORRHAGE RT  
 VA-TRR DM FINDING ON RIM THIN/NOTCH RT  
 VA-TRR DM FINDING ON LG CUP/DISC RT  
 VA-TRR DM FINDING ON CUP-DISC ASYM RT  
 VA-TRR DM FINDING ON NO APP ABN RT  
 VA-TRR DM FIND MACULA INADEQ ASSESS RT  
 VA-TRR DM FINDING MACULA OTHER RT  
 VA-TRR DM FIND MAC NEOVASC MACULOPHTY RT  
 VA-TRR DM FINDING MAC GEOG ATROPHY RT  
 VA-TRR DM FINDING MAC PUCKERING RT  
 VA-TRR DM FINDING MAC DRUSEN-LG RT  
 VA-TRR DM FINDING MAC DRUSEN-SMALL RT  
 VA-TRR DM FINDING MAC NO APPARENT ABN RT  
 VA-TRR CATEGORY-DM EXAM FINDINGS LT EYE  
 VA-TRR DM1 FINDING DR INADQ ASSESS LT  
 VA-TRR DM FIND OTH ASSESS-OTH FIND LT  
 VA-TRR DM FIND OTH ASSESS-CHOR NEVUS LT  
 VA-TRR DM FIND OTH ASSESS-OTH AB FIND LT  
 VA-TRR DM FIND OTH ASSESS-HTN RTNOPY LT  
 VA-TRR DM FIND OTH ASSESS-OCCLUSION LT  
 VA-TRR DM FIND OTH ASSESS-RET EMBOLUS LT  
 VA-TRR DM FIND OTH ASSESS-CATARACT LT  
 VA-TRR DM FIND OTH ASSESS-NO ABN FIND LT  
 VA-TRR DM2 FINDING DR INADQ ASSESS LT  
 VA-TRR DM2 FINDING DR OTHER LT  
 VA-TRR DM2 FINDING DR NO RETINOPATHY LT  
 VA-TRR DM2 FIND DR PREV RET LASER TX LT  
 VA-TRR DM2 FINDING DR PDR MAC EDEMA LT  
 VA-TRR DM2 FIND DR PDR MAC NO EDEMA LT  
 VA-TRR DM2 FINDING DR SEV MAC EDEMA LT  
 VA-TRR DM2 FIND DR SEV MAC NO EDEMA LT  
 VA-TRR DM2 FINDING DR MOD MAC EDEMA LT  
 VA-TRR DM2 FIND DR MOD MAC NO EDEMA LT  
 VA-TRR DM2 FIND DR MLD MAC NO EDEMA LT  
 VA-TRR DM2 FINDING DR MLD MAC EDEMA LT  
 VA-TRR DM FINDING ON OTHER LT  
 VA-TRR DM FINDING ON DISC HEMORRHAGE LT  
 VA-TRR DM FINDING ON ELEVATED IOP LT  
 VA-TRR DM FINDING ON RIM THIN/NOTCH LT  
 VA-TRR DM FINDING ON LG CUP/DISC LT  
 VA-TRR DM FINDING ON CUP-DISC ASYM LT  
 VA-TRR DM FINDING ON NO APP ABN LT  
 VA-TRR DM FINDING ON INADQ ASSESS LT  
 VA-TRR DM FINDING MACULA OTHER LT  
 VA-TRR DM FIND MAC NEOVASC MACULOPHTY LT  
 VA-TRR DM FINDING MAC GEOG ATROPHY LT

VA-TRR DM FINDING MAC PUCKERING LT  
 VA-TRR DM FINDING MAC DRUSEN-LG LT  
 VA-TRR DM FINDING MAC DRUSEN-SMALL LT  
 VA-TRR DM FINDING MAC NO APPARENT ABN LT  
 VA-TRR DM FIND MACULA INADEQ ASSESS LT  
 VA-TRR DM1 FINDING DR OTHER LT  
 VA-TRR DM1 FINDING DR NO RETINOPATHY LT  
 VA-TRR DM1 FIND DR PREV RET LASER TX LT  
 VA-TRR DM1 FINDING DR PDR MAC EDEMA LT  
 VA-TRR DM1 FIND DR PDR MAC NO EDEMA LT  
 VA-TRR DM1 FINDING DR SEV MAC EDEMA LT  
 VA-TRR DM1 FIND DR SEV MAC NO EDEMA LT  
 VA-TRR DM1 FINDING DR MOD MAC EDEMA LT  
 VA-TRR DM1 FIND DR MOD MAC NO EDEMA LT  
 VA-TRR DM1 FIND DR MLD MAC NO EDEMA LT  
 VA-TRR DM1 FINDING DR MLD MAC EDEMA LT  
 VA-TRR DM1 FINDING DR OTHER RT  
 VA-TRR DM1 FINDING DR NO RETINOPATHY RT  
 VA-TRR DM1 FINDING DR INADQ ASSESS RT  
 VA-TRR DM1 FIND DR PREV RET LASER TX RT  
 VA-TRR DM1 FINDING DR PDR MAC EDEMA RT  
 VA-TRR DM1 FIND DR PDR MAC NO EDEMA RT  
 VA-TRR DM1 FINDING DR SEV MAC EDEMA RT  
 VA-TRR DM1 FIND DR SEV MAC NO EDEMA RT  
 VA-TRR DM1 FINDING DR MOD MAC EDEMA RT  
 VA-TRR DM1 FIND DR MOD MAC NO EDEMA RT  
 VA-TRR DM1 FIND DR MLD MAC NO EDEMA RT  
 VA-TRR DM1 FINDING DR MLD MAC EDEMA RT  
 VA-TRR CATEGORY-DM IMAGE QUALITY  
 VA-TRR DM IMAGE QUAL INADQ-PT POSITION  
 VA-TRR DM IMAGE QUAL INADQ-OTHER REASON  
 VA-TRR DM IMAGE QUAL INADQ-MEDIA  
 VA-TRR DM IMAGE QUAL INADQ-PUPIL SIZE  
 VA-TRR DM IMAGE QUAL INADQ-FIELD MISSING  
 VA-TRR DM IMAGE QUAL INADQ-BLURRED IMAGE  
 VA-TRR DM IMAGE QUAL INADEQUATE  
 VA-TRR DM IMAGE QUAL ADEQUATE

## **REMINDER SPONSOR**

Office of Telehealth Services Store and Forward Telehealth  
 Office of Patient Care Services

## **REMINDER TAXONOMY**

VA-TRI IMAGER CPT CODES  
 VA-TRI IMAGER COMP EYE EXAM  
 VA-TRI DM2 NO RETINOPATHY NO MACULAR EDEMA  
 VA-TRI DM1 NO RETINOPATHY NO MACULAR EDEMA  
 VA-DIABETES  
 TRI EX DM RETINOPATHY U/A  
 TRI EX DM RETINOPATHY ABN



VA-TRI DM1/DM2 NO RETINOPATHY NO MACULAR EDEMA R/L  
 VA-TRI CHOROIDAL NEVUS R  
 VA-TRI HYPERTENSIVE RETINOPATHY R  
 VA-TRI BRANCH RETINAL VEIN OCCLUSION  
 VA-TRI RETINAL EMBOLUS BRANCH RETINAL ARTERY OCCLUSION R  
 VA-TRI CATARACT VISUAL SIGNIFICANCE SUSPECTED R/L  
 VA-TRI DM2 PROLIF RETINOPATHY PROB MACULAR EDEMA R  
 VA-TRI DM2 PROLIF RETINOPATHY NO MACULAR EDEMA R  
 VA-TRI DM2 SEVERE NONPROLIF RETINOPATHY PROB MACULAR EDEMA R  
 VA-TRI DM2 SEVERE NONPROLIF RETINOPATHY NO MACULAR EDEMA R  
 VA-TRI DM2 MOD NONPROLIF RETINOPATHY PROB MACULAR EDEMA R  
 VA-TRI DM2 MOD NONPROLIF RETINOPATHY NO MACULAR EDEMA R  
 VA-TRI DM2 MILD NONPROLIF RETINOPATHY NO MACULAR EDEMA R  
 VA-TRI DM2 MILD NONPROLIF RETINOPATHY PROB MACULAR EDEMA R  
 VA-TRI ELEVATED IOP R  
 VA-TRI DISC HEMORRHAGE R  
 VA-TRI GLAUCOMA SUSPECT R  
 VA-TRI EVIDENCE OF NEOVASCULAR MACULOPATHY ADV EXUDATIVE AMD R  
 VA-TRI GEOGRAPHIC ATROPHY INVOLVING FOVEA ADV AMD R  
 VA-TRI MACULAR PUCKER R  
 VA-TRI INT DRUSEN DRUSE ATROPHY NO FOVEA INT NONEXUDATIVE AMD R  
 VA-TRI SMALL INT DRUSEN EARLY NONEXUDATIVE AMD R  
 VA-TRI CHOROIDAL NEVUS L  
 VA-TRI HYPERTENSIVE RETINOPATHY L  
 VA-TRI RETINAL EMBOLUS BRANCH RETINAL ARTERY OCCLUSION L  
 VA-TRI DM2 PROLIF RETINOPATHY PROB MACULAR EDEMA L  
 VA-TRI DM2 PROLIF RETINOPATHY NO MACULAR EDEMA L  
 VA-TRI DM2 SEVERE NONPROLIF RETINOPATHY PROB MACULAR EDEMA L  
 VA-TRI DM2 SEVERE NONPROLIF RETINOPATHY NO MACULAR EDEMA L  
 VA-TRI DM2 MOD NONPROLIF RETINOPATHY PROB MACULAR EDEMA L  
 VA-TRI DM2 MOD NONPROLIF RETINOPATHY NO MACULAR EDEMA L  
 VA-TRI DM2 MILD NONPROLIF RETINOPATHY NO MACULAR EDEMA L  
 VA-TRI DM2 MILD NONPROLIF RETINOPATHY PROB MACULAR EDEMA L  
 VA-TRI DISC HEMORRHAGE L  
 VA-TRI ELEVATED IOP L  
 VA-TRI GLAUCOMA SUSPECT L  
 VA-TRI EVIDENCE OF NEOVASCULAR MACULOPATHY ADV EXUDATIVE AMD L  
 VA-TRI GEOGRAPHIC ATROPHY INVOLVING FOVEA ADV AMD L  
 VA-TRI MACULAR PUCKER L  
 VA-TRI INT DRUSEN DRUSE ATROPHY NO FOVEA INT NONEXUDATIVE AMD L  
 VA-TRI SMALL INT DRUSEN EARLY NONEXUDATIVE AMD L  
 VA-TRI DM1 PROLIF RETINOPATHY PROB MACULAR EDEMA L  
 VA-TRI DM1 PROLIF RETINOPATHY NO MACULAR EDEMA L  
 VA-TRI DM1 SEVERE NONPROLIF RETINOPATHY PROB MACULAR EDEMA L  
 VA-TRI DM1 SEVERE NONPROLIF RETINOPATHY NO MACULAR EDEMA L  
 VA-TRI DM1 MOD NONPROLIF RETINOPATHY PROB MACULAR EDEMA L  
 VA-TRI DM1 MOD NONPROLIF RETINOPATHY NO MACULAR EDEMA L  
 VA-TRI DM1 MILD NONPROLIF RETINOPATHY NO MACULAR EDEMA L  
 VA-TRI DM1 MILD NONPROLIF RETINOPATHY PROB MACULAR EDEMA L  
 VA-TRI DM1 PROLIF RETINOPATHY PROB MACULAR EDEMA R

VA-TRI DM1 PROLIF RETINOPATHY NO MACULAR EDEMA R  
VA-TRI DM1 SEVERE NONPROLIF RETINOPATHY PROB MACULAR EDEMA R  
VA-TRI DM1 SEVERE NONPROLIF RETINOPATHY NO MACULAR EDEMA R  
VA-TRI DM1 MOD NONPROLIF RETINOPATHY PROB MACULAR EDEMA R  
VA-TRI DM1 MOD NONPROLIF RETINOPATHY NO MACULAR EDEMA R  
VA-TRI DM1 MILD NONPROLIF RETINOPATHY NO MACULAR EDEMA R  
VA-TRI DM1 MILD NONPROLIF RETINOPATHY PROB MACULAR EDEMA R  
VA-TRI READER IMAGES INADEQUATE  
VA-TRI READER IMAGES ADEQUATE

**REMINDER TERM**

VA-REMINDER UPDATE\_2\_0\_42

**REMINDER DEFINITION**

VA-DIABETES OBJECT

**REMINDER DIALOG**

VA-TELERETINOPATHY READER NOTE

VA-TELERETINOPATHY IMAGER NOTE

**HEALTH SUMMARY TYPE**

VA-DIABETES OBJECT

TRI HGBA1C

TRI LIPID PROFILE

**HEALTH SUMMARY OBJECTS**

VA-DIABETES OBJECT (TIU)

TRI HGBA1C (TIU)

TRI LIPID PROFILE (TIU)

**TIU DOCUMENT DEFINITIONS**

VA-DIABETES OBJECT

TRI HGBA1C

TRI LIPID PROFILE

## Install Details

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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\\_42.PRD](http://vista.med.va.gov/reminders/UPDATE_2_0_42.PRD)**

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

Installation:

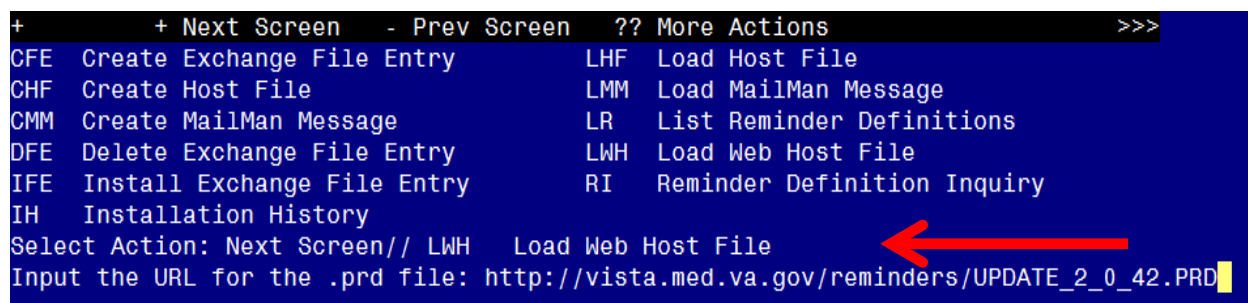
=====

This update can be loaded with users on the system. Installation will take less than 15 minutes. Please allow time for the post install setup and configuration which may add additional time to the installation process depending on what you currently have configured.

## Install Example

---

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          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_42.PRD
```

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

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

**[http://vista.med.va.gov/reminders/UPDATE\\_2\\_0\\_42.PRD](http://vista.med.va.gov/reminders/UPDATE_2_0_42.PRD)**

```
http://vista.med.va.gov/reminders/UPDATE_2_0_42.PRD successfully loaded.
```

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

Search and locate the entry that begins with UPDATE\_2\_0\_42 in reminder exchange.

+Item	Entry	Source	Date Packed
345	UPDATE_2_0_42 VA-TELERETINOPATHY NOTES	GRIFFITH@SALT LAKE CI	03/30/2018@06:30
346	UPDATE_2_0_5 MISC UPDATE 1	GRIFFITH@SALT LAKE CI	05/03/2016@09:42
347	UPDATE_2_0_6 VA-TERATOGENIC MEDICATIONS ORDER CHECKS (UPDATE #3)	SILVERMAN@SALT LAKE CI	10/09/2015@07:09
348	UPDATE_2_0_7	MONTGOMERY@SALT LAKE CI	10/06/2015@11:24
349	UPDATE_2_0_8 MH UPDATES	MONTGOMERY@SALT LAKE CI	11/16/2016@07:38
350	UPDATE_2_0_8 MH UPDATES	MONTGOMERY@SALT LAKE CI	11/30/2016@15:19
351	UPDATE_2_0_8 MH UPDATES	MONTGOMERY@SALT LAKE CI	12/20/2016@13:12
+    + Next Screen    - Prev Screen    ?? More Actions    >>>			
CFE	Create Exchange File Entry	IH	Installation History
CHF	Create Host File	LHF	Load Host File
CMM	Create MailMan Message	LMM	Load MailMan Message
DFE	Delete Exchange File Entry	LWH	Load Web Host File
IFE	Install Exchange File Entry	RI	Reminder Definition Inquiry
Select Action: Next Screen// IFE    Install Exchange File Entry			
Enter a list or range of numbers (1-529): 345			

At the **Select Action** prompt, enter **IFE** for Install Exchange File Entry  
Enter the number that corresponds with your entries titled **UPDATE\_2\_0\_42 VA-TELERETINOPATHY NOTES** (in this example it is entry 345, it will vary by site).

Component	Category	Exists
Source: GRIFFITH,ELIZABETH A at SALT LAKE CITY		
Date Packed: 03/30/2018@06:30:39		
Package Version: 2.0P35		
Description:		
The following Clinical Reminder items were selected for packing:		
REMINDER DIALOG		
VA-TELERETINOPATHY READER NOTE		
VA-TELERETINOPATHY IMAGER NOTE		
REMINDER TERM		
VA-REMINDER UPDATE_2_0_42		
Non-exchangeable TIU object(s):		
-----		
TIU Object: PATIENT SEX		
Object Method: S X=\$SEX^TIULO(DFN)		
+    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 Component and hit enter.

During the install, you will see multiple prompts. Please follow the guidance below.

1. If a reminder component does not exist, use the **INSTALL** action
2. If a reminder component exists but is different, choose the **Overwrite** action.

**There are two reminder dialogs included in this update, you will be prompted two different times to install the dialog components**

Packed reminder dialog: VA-TELERETINOPATHY IMAGER NOTE [NATIONAL DIALOG]				
Item	Seq.	Dialog Findings	Type	Exists
1		VA-TELERETINOPATHY IMAGER NOTE	dialog	
2	5	VA-GP TRI DM IMAGER CONSULT RESULT Finding: *NONE*	group	
3	5.5	VA-GP TRI DM IMAGING INITIAL CONSULT NOTE Finding: *NONE*	group	
4	5.5.5	VA-GP TRI DM IMAGER'S CONSULT INITIAL RESULT Finding: *NONE*	group	
5	5.5.5.5	VA-TXT TRI DM IMAGING DEMOGRAPHICS Finding: *NONE*	element	
6	5.5.5.10	VA-GP TRI DM IMAGING PT HX Finding: *NONE*	group	
7	5.5.5.10.5	VA-GP TRI DM DIABETES DURATION Finding: *NONE*	group	
8	5.5.5.10.5.5	VA-GP TRI DM IMAGING DIABETES DURATION	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-TELERETINOPATHY IMAGER NOTE**

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

Packed reminder dialog: VA-TELERETINOPATHY IMAGER NOTE [NATIONAL DIALOG]				
VA-TELERETINOPATHY IMAGER NOTE (reminder dialog) installed from exchange file.				
Item	Seq.	Dialog Findings	Type	Exists
1		VA-TELERETINOPATHY IMAGER NOTE	dialog	X
2	5	VA-GP TRI DM IMAGER CONSULT RESULT Finding: *NONE*	group	X
3	5.5	VA-GP TRI DM IMAGING INITIAL CONSULT NOTE Finding: *NONE*	group	X
4	5.5.5	VA-GP TRI DM IMAGER'S CONSULT INITIAL RESULT Finding: *NONE*	group	X
5	5.5.5.5	VA-TXT TRI DM IMAGING DEMOGRAPHICS Finding: *NONE*	element	X
6	5.5.5.10	VA-GP TRI DM IMAGING PT HX Finding: *NONE*	group	X
7	5.5.5.10.5	VA-GP TRI DM DIABETES DURATION Finding: *NONE*	group	X
8	5.5.5.10.5.5	VA-GP TRI DM IMAGING DIABETES DURATION	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				

After completing this dialog install, you will type Q to move to the next dialog to install

Packed reminder dialog: VA-TELERETINOPATHY READER NOTE [NATIONAL DIALOG]				
Item	Seq.	Dialog Findings	Type	Exists
1		VA-TELERETINOPATHY READER NOTE	dialog	
2	5	VA-GP TRR DM PUPIL DILATION Finding: *NONE*	group	
3	5.5	VA-HF TRR DM EYE EXAM PUPIL NOT DILATED Finding: VA-TRR DM EXAM PUPIL NOT DILATED (HEALTH FACTOR)	element	X
4	5.10	VA-HF TRR DM EYE EXAM PUPIL DILATED Finding: VA-TRR DM EXAM PUPIL DILATED (HEALTH FACTOR)	element	X
5	5.15	VA-HF TRR DM EYE EXAM PUPIL DILATION NOT SPECIFIED Finding: VA-TRR DM EXAM PUPIL DILAT NOT SPEC (HEALTH FACTOR)	element	X
6	6	VA-TXT TRR LINE SPACER Finding: *NONE*	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-TELERETINOPATHY READER NOTE** Select Action: Next Screen// IA    Install All

All dialog components for VA-TELERETINOPATHY READER NOTE are new.

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

Packed reminder dialog: VA-TELERETINOPATHY READER NOTE [NATIONAL DIALOG]				
VA-TELERETINOPATHY READER NOTE (reminder dialog) installed from exchange file.				
Item	Seq.	Dialog Findings	Type	Exists
1		VA-TELERETINOPATHY READER NOTE	dialog	X
2	5	VA-GP TRR DM PUPIL DILATION Finding: *NONE*	group	X
3	5.5	VA-HF TRR DM EYE EXAM PUPIL NOT DILATED Finding: VA-TRR DM EXAM PUPIL NOT DILATED (HEALTH FACTOR)	element	X
4	5.10	VA-HF TRR DM EYE EXAM PUPIL DILATED Finding: VA-TRR DM EXAM PUPIL DILATED (HEALTH FACTOR)	element	X
5	5.15	VA-HF TRR DM EYE EXAM PUPIL DILATION NOT SPECIFIED Finding: VA-TRR DM EXAM PUPIL DILAT NOT SPEC (HEALTH FACTOR)	element	X
6	6	VA-TXT TRR LINE SPACER Finding: *NONE*	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				

After completing this dialog install, you will type Q and be prompted for the items below.

HEALTH SUMMARY TYPE entry VA-DIABETES OBJECT is NEW,  
what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name
- I Install
- Q Quit the install
- S Skip, do not install this entry

Enter response: **I// nstall**

**If the health summary types below are already in your system and you get the message that the component already exists but is different, you can Choose SKIP at the prompts below.**

HEALTH SUMMARY TYPE entry TRI HGBA1C is NEW,  
what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name
- I Install
- Q Quit the install
- S Skip, do not install this entry

Enter response: **I// nstall**

HEALTH SUMMARY TYPE entry TRI LIPID PROFILE is NEW,  
what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name
- I Install
- Q Quit the install
- S Skip, do not install this entry

Enter response: **I// nstall**

HEALTH SUMMARY OBJECTS entry VA-DIABETES OBJECT (TIU) is NEW,  
what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name
- I Install
- Q Quit the install
- S Skip, do not install this entry

Enter response: **I// nstall**

HEALTH SUMMARY OBJECTS entry TRI HGBA1C (TIU) is NEW,  
what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name
- I Install
- Q Quit the install
- S Skip, do not install this entry

Enter response: **I// nstall**

HEALTH SUMMARY OBJECTS entry TRI LIPID PROFILE (TIU) is NEW,  
what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name

- I Install
- Q Quit the install
- S Skip, do not install this entry

Enter response: **I// nstall**

TIU DOCUMENT DEFINITION entry VA-DIABETES OBJECT is NEW,  
what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name
- I Install
- Q Quit the install
- S Skip, do not install this entry

Enter response: **I// nstall**

TIU DOCUMENT DEFINITION entry TRI HGBA1C is NEW,  
what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name
- I Install
- Q Quit the install
- S Skip, do not install this entry

Enter response: **I// nstall**

TIU DOCUMENT DEFINITION entry TRI LIPID PROFILE is NEW,  
what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name
- I Install
- Q Quit the install
- S Skip, do not install this entry

Enter response: **I// nstall**

```

Component                                     Category      Exists
Source:      GRIFFITH,ELIZABETH A at SALT LAKE CITY
Date Packed: 03/30/2018@06:30:39
Package Version: 2.0P35

Description:
The following Clinical Reminder items were selected for packing:
REMINDER DIALOG
  VA-TELERETINOPATHY READER NOTE
  VA-TELERETINOPATHY IMAGER NOTE

REMINDER TERM
  VA-REMINDER UPDATE_2_0_42
Non-exchangeable TIU object(s):
-----
TIU Object: PATIENT SEX
Object Method: S X=$SEX^TIULO(DFN)
+ Enter ?? for more actions >>>
IA  Install all Components          IS  Install Selected Component
Select Action: Next Screen// Q

```

After all the dialogs and components have been installed, you will then be returned to this screen. At the **Select Action** prompt, type **Q**



## Post-Install Set-up Instructions

---

### 1. Make the new Dialogs able to be attached to a Personal or Shared template or to be able to attach the dialogs 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

*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 numbers 150 and 151 are not present, so I will use 150 and 151.*

Select Display Sequence: **150**

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

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

Clinical Reminder Dialog: **VA-TELERETINOPATHY IMAGER NOTE**

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

Select Display Sequence: **151**

Are you adding 151 as a new Display Sequence? Yes// **Y YES**

Display Sequence: 151// **<Enter>** 150

Clinical Reminder Dialog: **VA-TELERETINOPATHY READER NOTE**

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

## 2. Setup of Note Title

Post installation, verify that you have a local note title for staff to use when completing the consults, the names should be similar to what these:

***Diabetic Retinopathy Surveillance Consult Note***

***Diabetic Teleretinal Imaging Consult Report***

**Sites SHOULD have these note titles or similar note titles already created and in use, check with your staff that performs the imaging and reading if you are not sure what note titles your facility uses.** If not found you will need to create them following your local naming conventions.

You will need to add the new note title to your consult TIU document class. Map the progress note to the VHA Enterprise Standard Title CONSULT.

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

## 3. Associate the reminder dialogs 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). ***If you have a template already associated with your consult reply note, you will need to delete the associated title on that entry before completing this step.***

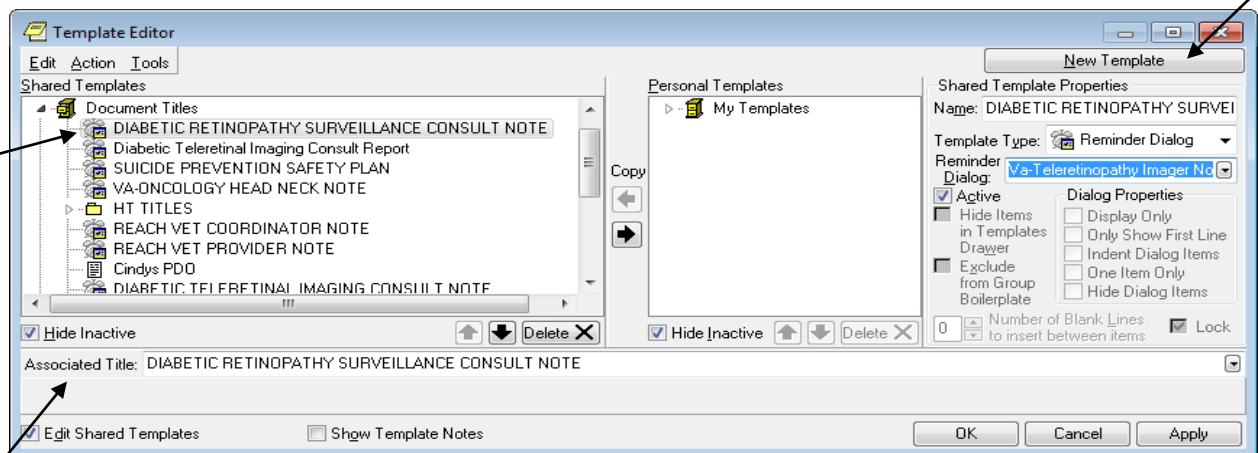
1. Type in the following information:

Name: ***Diabetic Retinopathy Surveillance Consult Note***

Template Type: Reminder Dialog

Reminder Dialog: VA-TELERETINOPATHY IMAGER NOTE

Associated Title: ***Diabetic Retinopathy Surveillance Consult Note*** ***or your local note title***



Next, type in the Associated Title, which in this case is ***Diabetic Retinopathy Surveillance Consult Note*** (or your local note) and hit Apply

Repeat for the Imager note:

2. Choose New Template

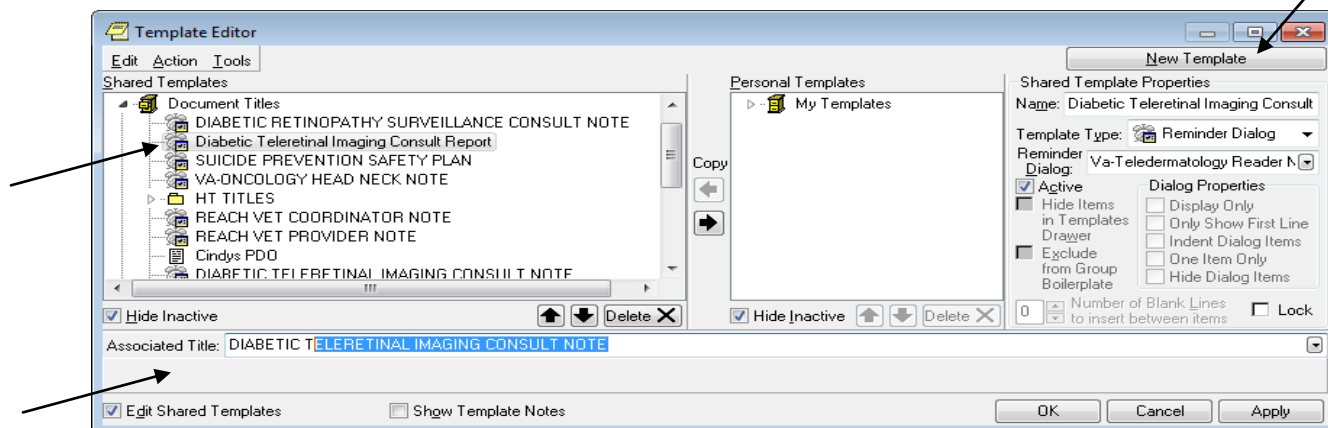
Type in the following information:

Name: ***Diabetic Teleretinal Imaging Consult Report***

Template Type: Reminder Dialog

Reminder Dialog: VA-TELERETINOPATHY READER NOTE

Associated Title: ***Diabetic Teleretinal Imaging Consult Report*** **or your local note title**



4. Update Health Summary Type to include your local lab tests

- a. The **TRI HGBA1C** Health Summary Type should already exist, you will need to update the health summary type to include your local hemoglobin A1C lab tests:

From the Health Summary Coordinator's Menu:

Print Health Summary Menu ...

- 1 Build Health Summary Type Menu ...
- 3 Set-up Batch Print Locations
- 4 List Batch Health Summary Locations
- 5 CPRS Reports Tab 'Health Summary Types List' Menu ...

Select Health Summary Coordinator's Menu Option: **2 Build Health Summary Type Menu**

1. Create/Modify Health Summary Type

2. Delete Health Summary Type

3. Health Summary Objects Menu...

4. Information Menu...

5. Print Health Summary Menu...

Select Build Health Summary Type Menu <TEST ACCOUNT> Option: **1**

**Create/Modify Health Summary Type**

Select Health Summary Type: **TRI HGBA1C**

OK? YES// <Enter> **YES**

WARNING: You are about to edit a Health Summary Type that is being used by a Health Summary Object. Changing the structure of this Health Summary

Type will alter how the Object will display.

Do want to continue? NO// YES

NAME: TRI HGBA1C//<Enter>

TITLE: TRI HGBA1C//

SUPPRESS PRINT OF COMPONENTS WITHOUT DATA: yes//<Enter>

SUPPRESS SENSITIVE PRINT DATA: NO SSN// <Enter>

Do you wish to review the Summary Type structure before continuing? NO// YES

Select COMPONENT: SLT LAB TEST SELECTED

LAB TESTS SELECTED is already a component of this summary.

Select one of the following:

E Edit component parameters

D Delete component from summary

Select Action: Edit component parameters

SUMMARY ORDER: 5// 5 <Enter>

OCCURRENCE LIMIT: <Enter>

TIME LIMIT: 1Y// <Enter>

HEADER NAME: Lab Tests Selected // <Enter>

Confirm that the current selections represent your local lab tests for HGB AC. Add entries if needed. **If you are unsure what lab tests should be included, please contact your local Lab Ad Pac.**

Do you wish to review the Summary Type structure before continuing? NO//

<Enter>

Please hold on while I resequence the summary order.

- b. The TRI LIPID PROFILE Health Summary Type should already exist, you will need to update the health summary type to include your local hemoglobin A1C lab tests:  
From the Health Summary Coordinator's Menu:

Print Health Summary Menu ...

2 Build Health Summary Type Menu ...

3 Set-up Batch Print Locations

6 List Batch Health Summary Locations

7 CPRS Reports Tab 'Health Summary Types List' Menu ...

Select Health Summary Coordinator's Menu Option: 2 Build Health Summary Type

Menu

6. Create/Modify Health Summary Type

7. Delete Health Summary Type

8. Health Summary Objects Menu...

9. Information Menu...

10. Print Health Summary Menu...

Select Build Health Summary Type Menu <TEST ACCOUNT> Option: 1

Create/Modify Health Summary Type

Select Health Summary Type: TRI LIPID PROFILE

OK? YES// <Enter> YES

WARNING: You are about to edit a Health Summary Type that is being used

by a Health Summary Object. Changing the structure of this Health Summary Type will alter how the Object will display.

Do you want to continue? NO// YES

NAME: TRI LIPID PROFILE//<Enter>

TITLE: TRI LIPID PROFILE//<Enter>

SUPPRESS PRINT OF COMPONENTS WITHOUT DATA: yes//<Enter>

SUPPRESS SENSITIVE PRINT DATA: NO SSN// <Enter>

Do you wish to review the Summary Type structure before continuing? NO// YES

Select COMPONENT: SLT LAB TEST SELECTED

LAB TESTS SELECTED is already a component of this summary.

Select one of the following:

E Edit component parameters

D Delete component from summary

Select Action: Edit component parameters

SUMMARY ORDER: 5// 5 <Enter>

OCCURRENCE LIMIT: 1// <Enter>

TIME LIMIT: 2Y// <Enter>

HEADER NAME: Lab Tests Selected // <Enter>

Confirm that the current selections represent your local lab tests included in a lipid panel. Add entries if needed. **If you are unsure what lab tests should be included, please contact your local Lab Ad Pac.**

Do you wish to review the Summary Type structure before continuing? NO// <Enter>

Please hold on while I resequence the summary order

**NOTE:** If you require further technical assistance, please notify your local IT support to log a national help desk ticket or contact the VA Service Desk at 855-673-4357 and have them submit a national ticket to:

Category [Enterprise Applications](#)

Subcategory: [Applications](#)

Enterprise Application: [VistA - Clinical Reminders](#)