

**Department of Veterans Affairs
Veterans Health Administration**

Health Administration Product Enhancements

**Camp Lejeune Veteran Support (CLVS)
System Design Document (SDD)**

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1. INTRODUCTION

From the 1950s to the 1980s, people living or working at the U.S. Marine Corps Base Camp Lejeune, North Carolina, were potentially exposed to drinking water contaminated with industrial solvents, benzene, and other chemicals. As a result, Veterans and their families who resided in Camp Lejeune between January 1, 1957 and December 31, 1987 and who were physically affected by the water contamination will receive Department of Veterans Affairs (VA) healthcare and be enrolled in Priority Group 6.

The Camp Lejeune Veteran Support (CLVS) project improves organizational efficiency in providing services to affected Veterans by appropriately identifying them as Camp Lejeune eligible, assigning them to Priority Group 6, and waiving co-payments for their Camp Lejeune-related conditions. This project supports mandate House Resolution (H.R.) 1627 (now Public Law (PL) 112-154, Honoring America's Veterans and Caring for Camp Lejeune Families Act of 2012), which requires VA to provide Veterans who served on active duty at Camp Lejeune with hospital care and medical services for one or more of 15 specified illnesses or conditions.

1.1. Purpose

This System Design Document (SDD) formally defines and documents the development solutions for the CLVS project. This project focuses on implementing Camp Lejeune – Veteran (CL-V) enhancements to:

1. **Health Eligibility Center (HEC) Enrollment System** – Enrollment and Eligibility system, HEC Administrative Data Repository (ADR), Standard Data Services (SDS), Office of Policy Planning (OPP) system, HEC Military Service Screen, and HEC Eligibility Screen
2. **Veterans Health Information Systems and Technology Architecture (VistA) Registration, Eligibility and Enrollment (REE)** – VistA REE system, Camp Lejeune veteran profile, Registration Screen, and Patient Enrollment Screen
3. **Primary VistA Dependent Applications in the VistA system:**
 - Integrated Billing (IB)
 - Pharmacy
 - Scheduling
 - Clinical Reminders
 - Patient Treatment File (PTF)
4. **Secondary Dependent Applications in the VistA system:**
 - Computerized Patient Record System (CPRS)
 - Patient Care Encounter (PCE)
 - Radiology
 - Surgery
 - Ambulatory Care (AmbCare) Transmission
 - Lab

The intended audience for this document includes the Office of Enterprise Development (OED), Chief Business Office (CBO) Purchased Care, VistA users, and the VA Office of Information and Technology (OIT) Health Administration Product Enhancements (HAPE) Portfolio Management Office (PMO).

1.2. Identification

The documents specified below are applicable to the CLVS project:

1. Camp Lejeune PL 112-154, System Changes to Support Provisions Affecting Veterans, Detailed Requirements Document, Version 2.3, March 2013; and
2. Descriptions of the Business Reference Model (BRM) and Performance Reference Model (PRM) are within the Federal Enterprise Architecture (FEA) Consolidated Reference. The FEA website is <http://www.fea.gov>

1.3. Scope

The proposed enhancements entail modifications to various modules of VA's Enrollment System (ES), VistA REEG system, IB, PCE, Scheduling, AmbCare Transmission, PTF, Pharmacy, CPRS, Surgery, Radiology, Lab, and Clinical Reminders. The scope of these enhancements is to capture information on healthcare services provided to Camp Lejeune (CL) Veterans.

Note: The Veterans Health Administration (VHA) is collecting documentation from family members claiming Camp Lejeune eligibility and is securing it in the Camp Lejeune Environmental Action Report (CLEAR) via the HEC Alert process. At this time, however, **family members cannot receive treatment until Congress has appropriated funds for family care and regulations are published.**

Affected functions include eligibility determination, enrollment and registration, referral documentation of and authorization for care, claims processing, and payment. Specifically, the four components to the enhancement support are:

1. **Increment 1, Release 1 (aka Release 1)** – CL enhancements and modifications to HEC ES and VistA REEG;
2. **Increment 1, Release 2 (aka Release 2)** – CL enhancements and modifications to IB, Pharmacy, Scheduling, Clinical Reminders, and PTF;
3. **Increment 2, Release 3 (aka Release 3)** – CL enhancements and modifications to CPRS, PCE, Radiology, Surgery, AmbCare Transmission, and Lab; and
4. Production Support, upgrades, and defect fixes for CL changes (defined as baseline maintenance releases).

The following business requirements apply to this effort:

- **Business Need (BN) 1:** Adhere to the Enterprise-Level requirements within the Enterprise Requirements Management (ERM) Repository;
- **BN 2:** System capability to register each CL Veterans and their families;
- **BN3:** Ability to process CL eligibility, to determine enrollment decisions, and to capture enrollment history;

- **BN4:** Communication, sharing and processing of CL information, eligibility, and enrollment decisions with other VHA processes;
- **BN5:** Modifications to HELP text, prompts, and instructions; and
- **BN6:** Capability to store and retrieve enrollment history records created based on changes to CL information.
 - Modify the ES communications log of all external transmissions regarding VA health benefits enrollment status to accommodate CL data.
 - Provide ad hoc reporting capability for reports generated within VistA and/or FileMan to determine information about services rendered under CL benefit.

1.4. Relationship to Other Plans

This document supports the requirements defined within the CLVS Requirements Specification Document (RSD). It is also synchronized to the following documents:

- CLVS Configuration Management Plan;
- CLVS Risk Management Plan; and
- CLVS Interface Control Document.

1.5. Methodology, Tools, and Techniques

Since the CLVS project entails enhancements to the ES and VistA, the tools and their usage specified below are based on the tools and usage specified in the Enrollment SDD, Version 8.1, March 2013. As new or additional tools are identified, this SDD will be updated accordingly.

- **ILOG JRules** – ILOG rules implement the business logic of the ESR application. This component allows the flow of the rule components to be defined, and the rules to be written in a more English style of language. A builder application provided by ILOG is used to generate the rule files.
- **Spring** – Struts and Spring separate the presentation layer from the controller layer in ESR. Configuration files are also developed.
- **Hibernate** – Hibernate mapping files and Hibernate map database objects to Java classes. This provides the data access layer in ESR.
- **Eclipse** – The Java 2 Enterprise Edition (J2EE) team uses the Eclipse tool to develop the Java/J2EE code as well as the eXtensible Markup Language (XML) and other files that make up the ESR application.
- **Rational Software Architect** – The Rational Software Architect is used to create class diagrams or sequence diagrams when needed for the Java code.
- **ClearCase** – The standard Rational Tools ClearCase installation stores source code and documentation.
- **Ant** – Ant is an open source tool for compiling and packaging source code for Java/J2EE. It is invoked by the Configuration Management (CM) build process but the scripts are written by the developers.
- **Oracle WebLogic** – The application server for ESR is Oracle WebLogic. The version is project dependent.

- Java Development Kit (JDK) – The JDK provides the Java Compiler and other tools that are invoked by the Ant scripts and Eclipse Integrated Development Environment (IDE).
- Jasper IReport – IReport is used to generate the report templates in ESR.

1.6. Policies, Directives, and Procedures

The CL-V system project adheres to all Federal and VA-wide policies, including those set forth by the following:

- Camp Lejeune PL 112-154, System Changes to Support Provisions Affecting Veterans, Detailed Requirements Document, Version 2.3, March 2013;
- National Archives and Record Administration (NARA) – Web Record Management archival process;
- Section 508 – Accessibility policies;
- National Institute of Standards and Technology (NIST) SP800-xx – Security Policies;
- VA Handbook 6102 – VA website maintenance policies;
- One-VA Technical Reference Model (TRM);
- VA Directive 6004 Configuration, Change, and Release Management Programs;
- VA Directive 6051 Department of Veterans Affairs (VA) Enterprise Architecture (EA);
- VA Directive 6102 Internet/Intranet Services;
- VA Directive 6500 Information Security Program; and
- VA Directive 6502 VA Enterprise Privacy Program

The project follows all Product Development (PD) and OIT procedures. These procedures include, but are not limited to, adherence to the most current versions of ProPath, Project Management Accountability System (PMAS), and International Business Machines (IBM) Rational processes for systems development.

The project follows all PMAS and ProPath guidelines, including guidelines for iterative methodologies. The most current guidance from VA OIT will be applicable to the Enrollment project at all stages of its life cycle.

1.7. Constraints

The Camp Lejeune enhancements will be incrementally developed over three releases. The following table identifies the intended release schedule and business capabilities to be developed. As the requirements are further clarified, the information below will be updated.

CLVS Release	Business Capability/Feature
HEC Enrollment System (HEC ES)	
Release 1.0	Enrollment System Enhancements / Modifications identified below:
Release 1.0	Add, modify, set, and view a Camp Lejeune Indicator to the HEC ES
Release 1.0	Add, modify, set, and view a Camp Lejeune Indicator to the HEC Administrative Data Repository (ADR)

CLVS Release	Business Capability/Feature
Release 1.0	Add, modify, set, and view a Camp Lejeune Indicator to the Standard Data Services (SDS)
Release 1.0	Add the following fields to the Enrollment and Eligibility system: <ul style="list-style-type: none"> • Camp Lejeune Indicator • Camp Lejeune Date and Time Stamp • Camp Lejeune Change Site • Camp Lejeune Source of Change
Release 1.0	Add, modify, set, and view a Camp Lejeune positive indicator to the Office of Policy Planning (OPP) system
Release 1.0	Add, modify, set, and view a Camp Lejeune Indicator to the HEC Military Service Screen
Release 1.0	Add, modify, set, and view a Camp Lejeune Indicator to the HEC Eligibility Screen
Release 1.0	Send and receive confirmation of change to/from the VA Medical Centers
Release 1.0	Provide updates to the Veterans Benefits handbook specific to Camp Lejeune modifications/enhancements
<i>Vista Registration, Enrollment and Eligibility</i>	
Release 1.0	Vista REE System Enhancements / Modifications identified below:
Release 1.0	Add, modify, set, and view a Camp Lejeune Indicator to the Vista REE system
Release 1.0	Enter and edit a Camp Lejeune Veteran profile
Release 1.0	Set indicators on the registration and patient enrollment screens
Release 1.0	Add the capability to lock the CL indicator once verification of eligibility has occurred
Release 1.0	Provide Vista REE updates to ClearCase code streams, RSDs, SDDs, and all documentation containing changes per PMAS, ProPath, and Enterprise System Engineering release processes
<i>Primary Vista Dependent Applications</i>	
Release 2.0	Develop enhancements and modifications to the following Primary Vista Dependent Applications in the Vista systems: <ul style="list-style-type: none"> • Integrated Billing • Pharmacy • Scheduling • Clinical Reminders • Patient Treatment File
<i>Secondary Vista Dependent Applications</i>	
Release 3.0	Vista Upgrade for Secondary Vista Dependent Applications listed below:

CLVS Release	Business Capability/Feature
Release 3.0	Develop enhancements and modifications to the following Secondary Dependent Applications in the VistA systems: <ul style="list-style-type: none">• Computerized Patient Record System• Patient Care Encounter• Radiology• Surgery• AmbCare Transmission• Lab

1.8. Design Trade-Offs

The CL-V system entails enhancements to the ES and VistA systems. Refer to the Enrollment SDD, Version 8.1, March 2013 for specific information.

1.9. User Characteristics

The expected users of the CL-V system are current ES users. Therefore, the users are deemed competent in using existing applications. With the introduction of new functionality or changes that affect the usability of applications, the expectations is that users will require training to ensure that each user understands the steps needed to successfully execute required responsibilities. Refer to the Enrollment SDD, Version 8.1, March 2013 for specific information.

1.10. User Problem Statement

HR 1627, now PL 112-154, requires VA to provide hospital care and medical services to Veterans who served on active duty at Camp Lejeune (North Carolina) for one or more of 15 specified illnesses or conditions (Esophageal cancer; Lung cancer; Breast cancer; Bladder cancer; Kidney cancer; Leukemia; Multiple Myeloma; Myelodysplastic syndromes; Renal toxicity; Hepatic steatosis; Female infertility; Miscarriage; Scleroderma; Neurobehavioral effects; or Non-Hodgkin's lymphoma). To be eligible for care under the provisions of this bill, the Veteran and/or family member must have resided or served on active duty at Camp Lejeune for not fewer than thirty (30) days between January 1, 1957 and December 31, 1987.

The CLVS project encompasses modifications to existing VA Administrative and Clinical systems, such as the HEC ES and applications within VistA, to allow the processing and management of the Camp Lejeune eligibility benefits, hospital care, medical services, and administrative workflows.

CLVS seeks to achieve the following major initiative goals:

- Improve efficiency by enhancing eligibility and enrollment processes to allow proper identification of Camp Lejeune eligible Veterans to receive hospital care and medical services from the VA.
- Ensure that Veterans have access to accurate and consistent information on Camp Lejeune qualified benefits and services through one portal.
- Streamline and improve internal business processes in order to provide qualified Veterans healthcare for one or more of the fifteen (15) conditions contained in PL 112-154.

-
- Enhance systems to automate priority group assignment, and to allow Medical and Ancillary Service to recognize Camp Lejeune eligible Veterans for health care provision and effectiveness.
 - Improve consistency and quality across all interfaces to Enrollment System and VistA through the sharing of information.
 - Improve VA's ability to successfully resolve Veterans Camp Lejeune issues on the first contact.
 - Provide training of enhancements and modifications to the VA staff and operations Contractor.
 - Provide 30 days of warranty and maintenance to assure operational code functions as required.
 - Update databases as necessary to track and verify Veterans as Camp Lejeune eligible.

Note: Family members of eligible Camp Lejeune Veterans are handled under a separate eligibility verification and benefits payment system.

Establishment of CLVS will significantly improve services that will be offered to the Veterans, reducing the time to enroll in the Camp Lejeune Implementation system, alleviating the administrative burden currently placed on benefits management personnel using VA systems, and introducing CLVS self-service functions.

2. BACKGROUND

The CL-V system entails enhancements to HEC ES. Refer to the Enrollment SDD, Version 8.1, March 2013 for an overview of the system and business process.

3. CONCEPTUAL DESIGN

Since the CL-V system consists of enhancements to the HEC ES and VistA system, this section of the SDD provides information about the following topics:

- Product perspective;
- User characteristics; and
- Dependencies and constraints.

3.1. Product Perspective

The CL-V enhancements focus on capturing the information associated with the Camp Lejeune eligible Veterans and their families and entered into the Registration process. The change of the existing eligibility should occur by batch or for an individual existing patient. This enhancement will not modify the new patient registration process.

3.1.1. User Interfaces

User interface changes that the CL-V enhancement impact are limited to the addition of fields to existing screens.

A new screen will be designed to provide a list of the existing patients for changing their eligibility code. Additionally, a batch job will be created to update the patient file.

3.1.2. Hardware Interfaces

This enhancement involves no new hardware or the interfacing of any hardware.

3.1.3. Software Interfaces

The Computerized Patient Record System, Lab, and claims enhancements will use the HEC interface during registration; however, the interface structure will not change. Additionally, it will be verified that the HEC interface accommodates CL registration.

3.1.4. Communications Interfaces

The CL-V enhancements encompass only CL claims processing and does not involve new or modified communication interfaces.

3.1.5. Memory Constraints

The CL-V enhancements will process approximately 20,000 new claims per year across the entire VA network. The memory usage for these claims is negligible compared to the total memory use and the number of claims processed. Also, Database entries for patient eligibility and status change histories of the Veterans who served on active duty at Camp Lejeune will not require much memory.

3.1.6. Special Operations

The CL-V enhancements will modify an existing registration process to use the batch process to verify and modify the CL patient eligibility.

3.2. Dependencies and Constraints

Changes will be made within the Registration package, which communicates with a number of other packages. Additionally, data entered in the Registration package are used by every system within VistA. The dependencies currently identified include:

- The HEC ES must be able to accept the new CL indicator in order to reflect eligibility for Fee Basis services. It is important to note that the enhancement work in this project pertains only to Fee Basis claims for CL care.
- The ADR, the HEC ES database, is responsible for determining a Veteran's eligibility. The system maintains the eligibility codes. The Caregivers CL Claims Processing Enhancement project depends on the eligibility code of "**Camp Lejeune Vet.**"
- The Master Patient Index (MPI) package must be able to accept the registration of "Camp Lejeune" patients based on the new CL indicator.

4. SPECIFIC REQUIREMENTS

4.1. Database Repository

Changes are required to the database repositories associated with the packages involved in "Camp Lejeune" patients processing and reporting. To create and support the CL history log, this project will set up a new VistA database (DB) entry.

4.2. System Features

4.2.1. System Feature

The new identifier should be entered into VistA DB, "Camp Lejeune Indicator?" For File #2 and File #27.11

STANDARD DATA DICTIONARY #2 -- PATIENT FILE FEB 14,2014@15:09:01 PAGE 1
STORED IN ^DPT((96 ENTRIES) SITE: TECHNICAL INTEGRATION SERVICE UCI: DEVVO
O,DEVVOO

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
-----------------	---------------	--------------------	--------------

2,,3217 CAMP LEJEUNE INDICATOR? .321;17 SET

'Y' FOR YES;

'N' FOR NO;

LAST EDITED: FEB 05, 2014

HELP-PROMPT: Enter 'Y' if this patient has Camp Lejeune
Indicated, 'N' if not, leave blank if Null.

DESCRIPTION: Enter "Y" if Veteran claims need for care of
conditions related to exposure of "Water
Contamination at Camp Lejeune". Enter "N" if
Veteran was not assigned to Camp Lejeune
between January 1,1957 and December 31, 1987 or
does not claim for care of condition related to
exposure of "Water Contamination at Camp
Once CL field has been established as "Y" or
"N" users shall not be able to select null..."

TECHNICAL DESCR: For this veteran applicant enter 'Y' if s/he
was living or working at the US Marine Corp
Base Camp Lejeune, North Carolina from the
1950s to the 1980s."

STANDARD DATA DICTIONARY #27.11 -- PATIENT ENROLLMENT FILE
FEB 14,2014@15:21:28 PAGE 1
STORED IN ^DGEN(27.11, (785 ENTRIES) SITE: TECHNICAL INTEGRATION SERVICE UC
I: DEVVOO,DEVVOO (VERSION 5.3)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
-----------------	---------------	--------------------	--------------

27.11,50.24 CAMP LEJEUNE INDICATOR? E;24 SET

'Y' FOR YES;

'N' FOR NO;

LAST EDITED: FEB 06, 2014

HELP-PROMPT: Enter 'Y' if this patient has Camp Lejeune
Indicated, 'N' if not, leave blank if Null.

The ENVIRONMENTAL FACTORS screen in Figure 1 will display “Camp Lejeune” as an Environmental Factor for Camp Lejeune eligible patients. The routine, DGRP6EF, will be modified to provide Camp Lejeune as a factor option.

Figure 1: ENVIRONMENTAL FACTORS Screen for Camp Lejeune Eligible Patients

```

LASTNAME, FIRSTNAME; XXX-XX-XXXX
=====
          **** ENVIRONMENTAL FACTORS ****

[1]      A/O Exp.:          Reg:          Exam:          A/O#:
[2]      ION Rad.:          Reg:          Method:
[3] SW Asia Cond:Reg:          Exam:
[4] N/T Radium:
[5]      Camp Lejeune:
SELECT AN ENVIRONMENTAL FACTOR (1-5) OR (Q)UIT: QUIT// 4 Camp Lejeune
Camp Lejeune Indicator: NO// y YES

```

Refer to Section 4.6.6.17, Figure 4 to view how the Camp Lejeune indicator will be displayed in ES through the Eligibility Screen.

4.3. Design Element Tables

4.3.1. Routines (Entry Points - Registration)

The following routines (DGRP61, DGRP6EF, and DGLOCK1) will be used to modify the Registration screens. DGRP61 will also perform the Enrollment modifications. Routine DGRPC3 DGENELA and DGENELA4 have also been updated for the CL Indicator. For information regarding the construction of the Z07 message, and the receiving and filing of the Z11 message, see Section 4.6.6.31.

Routine Name	DGRP61		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	DGRPE	VALM1, VALM10, VALM, VADPT, DGMSEUTL, DGRPMS, XQORM1 DGRP6CL, DGRP6V, XLFDT	
Requirement Traceability Matrix		The system shall provide a capability to display the Camp Lejeune eligibility.	
Data Dictionary (DD) References	PATIENT FILE#2		
Related Protocols			
Related Integration Control Registrations (ICRs)			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine		

Routine Name	DGRP61
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine
Current Logic	
<pre> DGRP61 ;ALB/PJH,LBD - Patient MSDS History - List Manager Screen;12 JUN 1997 10:00 am ; 2/5/12 10:18pm ;;5.3;Registration;**797**;08/13/93;Build 24 ; EN(DFN) ;Main entry point to invoke the DGEN MSDS PATIENT list ; Input -- DFN Patient IEN ; D WAIT^DICD D EN^VALM("DGEN MSDS PATIENT") Q ; HDR ;Header code N DGPREFNM,X,VA,VAERR S VALMHDR(1)=\$J("",25)_"MILITARY SERVICE DATA, SCREEN <6.1>" D PID^VADPT S VALMHDR(2)=\$E("Patient: " _ \$P(\$G(^DPT(DFN,0)),U),1,30) S VALMHDR(2)=VALMHDR(2)_ " (" _ VA("BID")_")" S X="PATIENT TYPE UNKNOWN" I \$D(^DPT(DFN,"TYPE")), \$D(^DG(391,+^("TYPE"),0)) S X=\$P(^DPT(DFN,"TYPE"),U,1) S VALMHDR(2)=\$\$SETSTR^VALM1(X,VALMHDR(2),60,80) S VALMHDR(3)=\$J("",4)_"Service Branch/Component Service #" S VALMHDR(3)=VALMHDR(3)_" Entered Separated Discharge" Q ; INIT ;Build patient MSDS screen D CLEAN^VALM10 K ^TMP("DGRP61",\$J),DGSEL ; N GLBL S GLBL=\$NA(^TMP("DGRP61",\$J)) D GETMSE(DFN,GLBL,1) ;Check if any old MSEs didn't copy and display warning message I \$\$WARNMSG^DGMSEUTL(DFN) D .S VALMSG="**More MSEs available to view on History Screen**" .D MSG^VALM10(VALMSG) Q ; GETMSE(DFN,GLBL,NUM) ;Load service episodes from .3216 array ; INPUT: DFN = Patient IEN ; GLBL = ^TMP global ref ; NUM = 1 - display line numbers N DGDATA,DGDATE,DGSUB S VALMCNT=0,DGDATE="" F S DGDATE=\$O(^DPT(DFN,.3216,"B",DGDATE),-1) Q:DGDATE D .S DGSUB=\$O(^DPT(DFN,.3216,"B",DGDATE,"")) Q:DGSUB .S DGDATA=\$G(^DPT(DFN,.3216,DGSUB,0)) Q:DGDATA="" .D EPISODE(DGDATA,GLBL,NUM) Q ; EPISODE(DGDATA,GLBL,NUM) ;Format individual service episode </pre>	

Routine Name	DGRP61
	<pre> N Z,DGRPSB,DGRPSC,DGRPSD,DGRPSE,DGRPSN,DGRPSS S DGRPSB=+\$P(DGDATA,U,3),DGRPSC=\$P(DGDATA,U,4),DGRPSN=\$P(DGDATA,U,5) ;Service Branch/Component S Z=\$S(\$D(^DIC(23,DGRPSB,0)):\$E(\$P(^0,"^",1,1,15),1:"UNKNOWN") I DGRPSC="" D . N Z0 . S Z0=\$\$SVCCOMP^DGRP6CL(DGRPSC) Q:Z0="" . S Z=Z_"_Z0 ;Filipino vet proof I \$\$FV^DGRPMS(DGRPSB)=1 S Z=\$E(Z_\$J("",21),1,21)_"_P(\$G(^DPT(DFN,,321)),U,14)_" ;Service Number S Z=Z_\$J("",26-\$L(Z))_\$S(DGRPSN)"":DGRPSN,1:"UNKNOWN") S Z=Z_\$J("",42-\$L(Z)) ;Entry and separation dates S DGRPSE=\$P(DGDATA,U,1),DGRPSS=\$P(DGDATA,U,2) S X=\$S(DGRPSE)"":\$FMTE^XLFDT(DGRPSE,"5DZ"),1:"UNKNOWN ") S Z=Z_\$E(X,1,10)_" " S X=\$S(DGRPSS)"":\$FMTE^XLFDT(DGRPSS,"5DZ"),1:"UNKNOWN ") S Z=Z_\$E(X,1,10)_" " ;Discharge type S DGRPSD=+\$P(DGDATA,U,6) I 'DGRPSD S Z=Z "UNKNOWN" E S Z=Z_\$S(\$D(^DIC(25,+DGRPSD)):\$E(\$P(^DIC(25,DGRPSD,0),"^",1),1,9),1:"UNKNOWN") S VALMCNT=VALMCNT+1 ;Add line numbers if NUM=1 I \$G(NUM) D .I \$G(DGRPV)!(\$P(DGDATA,U,7))"" S Z="<"_VALMCNT_">"_Z Q .S Z="["_ VALMCNT _"] " Z,DGSEL(VALMCNT)=DGRPSE ;Save to List Manager array for display S @GLBL@(VALMCNT,0)=\$S(\$G(NUM):Z,1:\$J("",4)_Z) Q ; HELP ;Help code S X="?" D DISP^XQORM1 W !! Q ; EXIT ;Exit code D CLEAN^VALM10 D CLEAR^VALM1 K ^TMP("DGRP61", \$J) Q ; PEXIT ;DGEN MSDS MENU protocol exit code S VALMSG="+ Next Screen - Prev Screen ?? More Actions" ;Reset after page up or down ;D XQORM Q ; ACT(DGACT) ; Entry point for menu action selection ; INPUT: DGACT = "A" - Add - DGEN MSDS ADD protocol ; = "E" - Edit - DGEN MSDS EDIT protocol ; = "D" - Delete - DGEN MSDS DELETE protocol N DGX,DA,DIE,DIC,DIK,DIPA,DR,X,Y I \$G(DGACT)="" G ACTQ </pre>

Routine Name	DGRP61
	<pre> I \$(DGRP) W !,"View only. This action cannot be selected." D PAUSE^VALM1 G ACTQ D FULL^VALM1 I DGACT="A" D ADD G ACTQ I \$(DGSEL) D G ACTQ .W !,"There are no episodes to ",\$(DGACT="E": "edit.",1:"delete.") .I \$(VALMCNT) D HECHLP .D PAUSE^VALM1 S DGX=\$(SEL(DGACT)) I 'DGX G ACTQ S DGX=\$(DGSEL(DGX)) I 'DGX G ACTQ S DA(1)=DFN,DIC="^DPT("_DA(1)_",.3216,"DIC(0)="BX",X=DGX D ^DIC I Y<0 W !,"This episode is not in the patient's record." D PAUSE^VALM1 G ACTQ S DIPA("DA")=+Y I DGACT="E" K DA,DIC,DGFRDT S DIE="^DPT(",DA=DFN D SETDR1 D ^DIE I DGACT="D" D .I '\$\$RUSURE Q .S DIK=DIC,DA(1)=DFN,DA=DIPA("DA") D ^DIK K DIK ACTQ D INIT S VALMBCK="R" Q ; ADD ; Add new MSE to #2.3216 sub-file N X,Y,DIK,DA,DR,DIE,NEXT,DGFRDT ; Get next record number in sub-file S NEXT=\$O(^DPT(DFN,.3216,"A"),-1),NEXT=NEXT+1 D ZNODE(1) ; Prompt for MSE fields S DIE="^DPT("_DFN_",.3216,"DA(1)=DFN,DA=NEXT D SETDR2 D ^DIE ; Check if new record is missing or incomplete I '\$D(^DPT(DFN,.3216,NEXT)) D ZNODE(-1) Q I '\$P(^DPT(DFN,.3216,NEXT,0),U) D Q .S DIK="^DPT("_DFN_",.3216,"DA(1)=DFN,DA=NEXT D ^DIK ; File FILIPINO VET PROOF, if set I \$(DIPA("FVP"))]"" D .K DA,DR S DIE="^DPT(",DA=DFN,DR=".3214///^S X=DIPA("FVP")" .D ^DIE Q SEL(ACT) ; Prompt for episode to edit/delete N DIR,Y,X,DIRUT,DIROUT,DTOUT,DUOUT S DIR(0)="NAO^1:"_VALMCNT_"^K:\$(DGSEL(X)) X" S DIR("A")="Select Episode: " S DIR("?")="^D SELHLP^DGRP61(ACT)" D ^DIR I 'Y Q 0 Q Y SELHLP(ACT) ; Help message for episode prompt W !,"Select an episode to ",\$(ACT="E": "edit.",1:"delete.") W !,"Only numbers in square brackets [] are selectable." D HECHLP N DIR D PAUSE^VALM1 Q HECHLP ; Help message for episodes that can only be changed by HEC W !,"Angled brackets < > indicate episodes that cannot be changed in Vista." W !,"Please contact the HECAlert mail group or the HEC if you need to update" W !,"this information." Q ; ZNODE(VAL) ; Update zero node of MSE multiple .3216 </pre>

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Routine Name	DGRP6EF		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Related Options			
Related Routines	Routines "Called By"	Routines "Called"	
	DGRPE	DGRPU, DGRP6, DGNTAPI1, DGNTAP	
Requirement Traceability Matrix		The system shall provide a capability to display the Camp Lejeune eligibility.	
Data Dictionary (DD) References	PATIENT FILE#2		
Related Protocols			
Related Integration Control Registrations (ICRs)			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine		
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine		
<p>DGRP6EF ;ALB/TMK,EG,BAJ - REGISTRATION SCREEN 6 FIELDS FOR EXPOSURE FACTORS; 07/20/2006</p> <pre> ;;5.3;Registration;**689,659,737,688**;Aug 13, 1993;Build 29 ; EN(DFN,QUIT) ; Display Environmental exposure factors/allow to edit N I,IND,DG321,DG322,DGCT,DIR,Z,X,Y,DIE,DR,DA,DGNONT ; Returns QUIT=1 if ^ entered ; EN1 D CLEAR^VALM1 N DTOUT,DUOUT,TYPE,SEL,L,S,L1,L2,L3 S DG321=\$G(^DPT(DFN,.321)),DG322=\$G(^DPT(DFN,.322)) ; S DIR(0)="SA^",DGCT=0 S DGCT=DGCT+1,DIR("A",DGCT)=\$\$\$\$NNM^DGRPU(DFN) S DGCT=DGCT+1,DIR("A",DGCT)=" ",\$P(DIR("A",DGCT),"=",81)=" " S DGCT=DGCT+1,DIR("A",DGCT)=\$J(" ",23)_"***** ENVIRONMENTAL FACTORS ****",DGCT=DGCT+1,DIR("A",DGCT)=" " S IND=\$S(\$G(DGRP6V):"[]",1:"<") S DGCT=DGCT+1 S Z=\$E(IND)_ "1"_\$E(IND,2) ; "OTHER" choice added DG*5.3*688 ; variables S,L1,L2, & L3 used for dynamic spacing S SEL=\$P(DG321,U,13),S=\$C(32),(\$P(L1,S,6),\$P(L2,S,\$S(SEL="O":3,1:2)),\$P (L3,S,3))=" " S TYPE=\$S(SEL="K": "(DMZ)",SEL="V": "(VIET)",SEL="O": "(OTH)",1:\$J(" ",7)) S DIR("A",DGCT)=Z_L1_"A/O Exp.: "_\$YN^DGRP6CL(DG321,2)_TYPE_L2_"Reg: " _\$\$DAT^DGRP6CL(DG321,7,12)_L3_"Exam: "_\$DAT^DGRP6CL(DG321,9,12)_ "A/O#: " _\$P(DG321,U,10) S Z=\$E(IND)_ "2"_\$E(IND,2) S DGCT=DGCT+1,DIR("A",DGCT)=Z_" ION Rad.: " _\$YN^DGRP6CL(DG321,3)_ \$ J(" ",8)_ "Reg: " _\$DAT^DGRP6CL(DG321,11,12)_ "Method: " S:\$P(DG321,U,12)>7 \$P(DG321,U,12)=" " S DIR("A",DGCT)=DIR("A",DGCT) \$P(\$ </pre>			

Routine Name	DGRP6EF
<pre> T(SELTBL+\$P(DG321,U,12)),",",2) S Z=\$E(IND)_"3"_\$E(IND,2) ;Env Contam name changed to SW Asia Conditions, DG*5.3*688 S DGCT=DGCT+1,DIR("A",DGCT)=Z_" SW Asia Cond: " _\$\$YN^DGRP6CL(DG322,13)_ \$J(",8)_"Reg: " _\$\$DAT^DGRP6CL(DG322,14,12)_" Exam: " _\$\$DAT^DGRP6CL(DG322,15,11) S DGNONT=0 I \$\$GETSTAT^DGNTAPI1(DFN)>2,'\$D(^XUSEC("DGNT VERIFY",DUZ)) S DGNONT=1 I \$G(DGRP6) S DGNONT=1 S DGCT=DGCT+1,DIR("A",DGCT)=\$\$ (DGNONT:"<",1:"["_"4"_\$\$(DGNONT:">",1:"] ")_" N/T Radium: " N DGNT S DGRP6=\$\$GETCUR^DGNTAPI(DFN,"DGNT") S DIR("A",DGCT) =DIR("A",DGCT) _\$G(DGNT("INTRP")) ; S DGCT=DGCT+1,DIR("A",DGCT)=" " S DIR("A")=\$\$(\$G(DGRP6):"SELECT AN ENVIRONMENTAL FACTOR (1-"_(4-DGNONT)_") OR (Q)UIT: ",1:"PRESS RETURN TO CONTINUE ") ;Env Contam name changed to SW Asia Conditions, DG*5.3*688 S DIR(0)=\$\$(\$G(DGRP6):"SA^1:A/O Exp;2:ION Rad;3:SW Asia Cond;" _\$(DGNONT:"",1:"4:N/T Radium;")_"Q:QUIT",1:"EA") I \$G(DGRP6) S DIR("B")="QUIT" D ^DIR K DIR I \$G(DGRP6)!\$D(DUOUT)!\$D(DTOUT)!(Y="Q") S:Y="Q" QUIT=1 G QUIT S Z="603" _\$E("0",2-\$L(+Y)) _+Y S DIE=2,DA=DFN,DR=\$P(\$T(@Z),",",2) D:DR="" ^DIE K DIE,DA,DR G EN1 ; QUIT Q ; EF(DFN,LIN); N DG321,DG322,LENGTH,Z,SEQ K LIN S (LENGTH,LIN)=0 S DG321=\$G(^DPT(DFN,321)),DG322=\$G(^.(322)) I \$P(DG321,U,2)="Y" D . S Z="A/O Exp.",SEQ=1 . ;S:\$P(DG321,U,7)!\$P(DG321,U,9)!(\$P(DG321,U,10)="") Z=Z "(Incomplete)" . S:\$P(DG321,U,7)!(\$P(DG321,U,9)="") Z=Z_(Incomplete)" . D SETLNEX^DGRP6(Z,SEQ,.LIN,.LENGTH) ; I \$P(DG321,U,3)="Y" D . S Z="Ion Rad.",SEQ=2 . S:\$P(DG321,U,11)!(\$P(DG321,U,12)="") Z=Z "(Incomplete)" . D SETLNEX^DGRP6(Z,SEQ,.LIN,.LENGTH) ; I \$P(DG322,U,13)="Y" D . I 'LIN S LIN=LIN+1,LIN(LIN)="" . ;Env Contam name changed to SW Asia Conditions, DG*5.3*688 . S Z="SW Asia Cond.",SEQ=3 . S:\$P(DG322,U,14)!\$P(DG322,U,15) Z=Z_(Incomplete)" . D SETLNEX^DGRP6(Z,SEQ,.LIN,.LENGTH) ; N/T Radium Exposure N DGNT,DGRP6 S DGRP6=\$\$GETCUR^DGNTAPI(DFN,"DGNT") I "NO"[\$G(DGNT("INTRP")) D . I 'LIN S LIN=LIN+1,LIN(LIN)="" . S SEQ=4 D SETLNEX^DGRP6("N/T Radium (" _\$P(DGNT("INTRP"),"YES",2)_")",SEQ,.LIN,.LENGTH) Q </pre>	

Routine Name	DGRP6EF
; The following tag is a table of values. Do not change location of values including null at SELTBL+0 SELTBL ;; ;;NO VALUE ;;HIROSHIMA/NAGASAKI ;;ATMOSPHERIC NUCLEAR TEST ;;H/N AND ATMOSPHERIC TEST ;;UNDERGROUND NUCLEAR TEST ;;EXP. AT NUCLEAR FACILITY ;;OTHER 60301 ;;.32102//NO;S:X="Y" Y="@65";.3213;.32107;.32109;.3211;@65; 60302 ;;.32103//NO;S:X="Y" Y="@66";.3212;.32111;@66; 60303 ;;.322013//NO;S:X="Y" Y="@612";.322014;Q;.322015;@612; 60304 ;;D REG^DGNTQ(DFN) ;;	

Routine Name	DGLOCK1		
Enhancement Category	<input type="checkbox"/> New	<input checked="" type="checkbox"/> Modify	<input type="checkbox"/> Delete <input type="checkbox"/> No Change
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	DGRPXX75, DGRPXX75, DGRPXR, DGRPXC, DGRPX7, DGRPTX35, DGRPTX25, DGRPTX19, DGPTX19, DGPTX110, DGLOCK1	DGRPXX7, DGRPXX7, DGRPXCR, DGRPX710, DGRPTX46, DGRPTX32, DGRPTX20, DGRPTX, DGPTX114, DGPTX11, 	DGCLEAR, DDIOL
Requirement Traceability Matrix		The system shall provide the capability to display the Camp Lejeune eligibility, and lock the Verified CL patients.	
Data Dictionary (DD) References			
Related Protocols			
Related Integration Control Registrations (ICRs)			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input checked="" type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine		
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine		
DGLOCK1 ;ALB/MRL - PATIENT FILE DATA EDIT CHECK ; 28 JUL 86 ::5.3:Registration:**121.314**:Aug 13, 1993			

Routine Name	DGLOCK1
AOD ;AO Delete	I \$D(^DPT(DFN,.321)), \$P(^.321,U,2)="Y" W !?4,*7,"Can't delete as long as Agent Orange exposure is indicated." K X Q
COMD ;Combat Delete	I \$D(^DPT(DFN,.52)), \$P(^.52,U,11)="Y" W !?4,*7,"Can't delete as long as Combat Service is indicated." K X Q
INED ;Ineligible Delete	I \$D(^DPT(DFN,.15)), \$P(^.15,U,2)]"" W !?4,*7,"Can't delete this field as long as 'INELIGIBLE DATE' is on file." K X Q
IRD ;ION Rad Delete	I \$D(^DPT(DFN,.321)), \$P(^.321,U,3)="Y" W !?4,*7,"Can't delete as long as Ionizing Radiation exposure is indicated." K X Q
POWD ;POW Delete	I \$D(^DPT(DFN,.52)), \$P(^.52,U,5)="Y" W !?4,*7,"Still identified as former POW...Change status to delete." K X Q
TADD ;Temp Add Delete	I \$D(^DPT(DFN,.121)), \$P(^.121,U,9)="Y" W !?4,*7,"Answer NO to the 'WANT TO ENTER TEMPORARY ADDRESS' prompt, then delete." K X Q
VND ;Viet Svc Delete	I \$D(^DPT(DFN,.321)), \$P(^.321,U,1)="Y" W !?4,*7,"Can't delete as long as Vietnam Service is still indicated." K X Q
SVDEL ;Panama, Grenada, Lebanon, Persian Gulf Svc Delete	;DGX = piece position of corresponding service indicated? field I \$D(^DPT(DFN,.322)), \$P(^.322,U,DGX)="Y" W !?4,*7,"Can't delete as long as ", \$S(DGX=1:"Lebanon", DGX=4:"Grenada", DGX=7:"Panama", 1:"Persian Gulf"), " is still indicated." K X K DGX Q
EC S DGEC=\$S(\$D(^DPT(DFN,.36)):"",\$D(^DIC(8,\$P(^DPT(DFN,.36),U,1),0)):\$P(^0,U,9),1:"")) I DGEC=5 W !?4,*7,"Eligibility Code is 'NSC'...Can't be YES." K X,DGEC Q K DGEC Q	
POS ;Screen	K DGEC D SV1^DGLOCK I \$D(X) S DIC("S")=I \$P(^0,"",^8), \$D(^DPT(DA,.36)), \$D(^DIC(21,+Y,"",^E",+\$P(^.36,U,1))) D ^DIC K DIC S DIC=DIE,X=+Y K:Y<0 X D:\$D(X) POSH I \$D(X), \$D(^DIC(21,X,0)), \$P(^0,U,7)]"" D POS1 Q Q
POS1 S XX=\$P(^DIC(21,X,0),U,7) I \$P(^DPT(DA,0),U,3)]"" I \$P(^0,U,3)>XX!(\$D(^XUSEC("DG ELIGIBILITY",DUZ))) K XX Q	W !?5,*7,"Applicant is too young to have served in that period of service.", !?5,"See your supervisor if you require assistance." K X,XX Q
POSH S DGEC=\$S(\$D(^DPT(DFN,.36)):"",\$D(^DIC(8,\$P(^.36,U,1),0)):\$P(^0,U,1),1:"")) W !?5,"Current Eligibility Code" W:DGEC]"" ": ,DGEC I DGEC]"" W " is not defined. Must be defined in order", !?5,"to enter a POS."	K DGEC Q
SC S DGSCON=\$S(\$D(^DPT(DFN,.3)):0, \$P(^.3,U,1)="Y":1,1:0) I 'DGSCON W !?4,*7,"Not possible, applicant is not service-connected." K X,DGSCON Q	

Routine Name	DGLOCK1
<pre> K DGSCON Q ; ECD ;primary eligibility code input transform ; N DGNODE,DGPC,DGSER,DGVT,DGXX S DGVT=\$G(^DPT(DFN,"VET")),DGSER=\$S(\$D(^DPT(DFN,.3)):0,\$P(^.3),U,1)=" Y":1,1:0) I DGVT]" K X W !?4,*7,""VETERAN (Y/N)' prompt must be answered to sel ect an Eligibility Code" Q S DIC("S")="I \$P(^DIC(8,+Y,0),U,5)=DGVT,\$P(^0),U,7)" I DGVT="N" G ECD S I DGSER S DGPC=\$S(+ \$P(^DPT(DFN,.3),U,2)>49:1,1:0),DGXX=\$S(DGPC:1,1:3),D IC("S")=DIC("S")_",\$P(^0),U,9)="_DGXX_" G ECDS ;sc only I \$P(\$G(^DPT(DFN,.52)),^",5)="Y" S DIC("S")=DIC("S")_",\$P(^0),U,9)=1 8)" G ECDS ;pow only S DGXX="^1^3^18^" ; no sc<50, sc 50-100, pow I \$P(\$G(^DPT(DFN,.53)),U)="Y" S DIC("S")=DIC("S")_",\$P(^0),U,9)=22" G ECDS ;checks for PH Indicator S DGXX=DGXX_"22^" ;adds PH to DGXX string S DGNODE=\$G(^DPT(DFN,.362)) I \$P(DGNODE,"^",12)="Y" S DGXX=DGXX_"2^" I \$P(DGNODE,"^",14)="Y" S DGXX=DGXX_"4^" I \$P(DGNODE,"^",13)="Y" S DGXX=DGXX_"15^" F I=12:1:14 I \$P(DGNODE,"^",I)="Y" S DGXX=DGXX_"5^" \$S(I=14:"4^",1:"") I \$P(\$G(^DPT(DFN,0)),^",3)>2200101 S DGXX=DGXX_"16^17^" ; WWI or mexic an border only S DIC("S")=DIC("S")_,"("" _DGXX_ "" "" [(U_\$P(^0),U,9)_U))" ECDS D ^DIC K DIC S DIC=DIE,X=+Y K:Y<0 X ; ;catastrophic disability can not be primary I \$G(X),\$SNATNAME^DGENELA(X)="CATASTROPHICALLY DISABLED" K X Q ; Q </pre>	

Routine Name	DGRPC3		
Enhancement Category	<input type="checkbox"/> New	<input checked="" type="checkbox"/> Modify	<input type="checkbox"/> Delete <input type="checkbox"/> No Change
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	DGRPC, DGRPC1, DGRPC2, DGRPC3	IVMZ07C, XLFT, DGRPCF, VADPT, DGRPMS, DGRPDT, DGMSCK	
Requirement Traceability Matrix		The system shall provide a capability to display the Camp Lejeune eligibility.	
Data Dictionary (DD) References			
Related Protocols			
Related Integration Control Registrations (ICRs)			

Routine Name	DGRPC3
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine
<p>DGRPC3 ;ALB/PJR,LBD,BAJ,TDM - CHECK CONSISTENCY OF PATIENT DATA (CONT) ; 10/ 20/10 3:40pm ;;5.3;Registration;**451,632,673,657,688,754,797,867**;Aug 13, 1993;Build 59 ; 79 ;; MSE Dates overlap ;; Don't check if MSE Dates Incomplete or if MSE TO precedes FROM ;; or unless at least 2 ranges S:'\$G(MSECHK) MSECHK=\$\$MSCK^DGMSC I MSDATERR!(\$L(ANYMSE)<2) D NEXT G @DGLST ;Use MSE data in DGPMSE array, if it exists (DG*5.3*797) I \$D(DGPMSE) D D NEXT G @DGLST .N MS,MSE,OUT S MS=0 F S MS=\$O(DGPMSE(MS)) Q:'MS!(\$G(OUT)) D ..I \$P(DGPMSE(MS),U,7) Q ;Don't check MSE verified by HEC ..S MSE=\$O(DGPMSE(MS,0)) Q:'MSE ..I '\$\$OVRPCHK^DGRPDT(DFN,\$P(DGPMSE(MS),U),\$P(DGPMSE(MS),U,2),1,"",",", MSE) S X=79 D COMB S (MSERR,OUT)=1 Q ;Otherwise, use MSE data in DGP(.32) I ANYMSE[1,\$\$OVRPCHK^DGRPDT(DFN,\$P(DGP(.32),"^",6),\$P(DGP(.32),"^",7) ,1,".326^327") S X=79 D COMB S MSERR=1 D NEXT G @DGLST I ANYMSE[1,\$\$OVRPCHK^DGRPDT(DFN,\$P(DGP(.32),"^",11),\$P(DGP(.32),"^", 12),1,".3292^3293") S X=79 D COMB S MSERR=1 D NEXT G @DGLST D NEXT G @DGLST 80 ;; POW Dates not within MSE ;; Check turned off by EVC project (DG*5.3*688) D NEXT G @DGLST 81 ;; Combat Dates not within MSE I '\$P(DGP(.52),"^",12) D NEXT G @DGLST ;; Don't check if no COMBAT Data ;; Don't check if COMBAT Data Incomplete or if COMBAT TO precedes FROM I ("","_DGER_")["(","39,")](("","_DGER_")["(","40,")]) D NEXT G @DGLST S:'\$G(MSECHK) MSECHK=\$\$MSCK^DGMSC S:'\$G(MSESET) MSESET=\$\$MSFROMTO^DGMSC ;; If COMBAT, but no MSE, then Range is NOT within MSE I 'ANYMSE S X=81 D COMB D NEXT G @DGLST I '\$\$RWITHIN^DGRPDT(\$P(MSESET,"^",1),\$P(MSESET,"^",2),\$P(DGP(.52),"^",1 3),\$P(DGP(.52),"^",14)) S X=81 D COMB D NEXT G @DGLST 82 ;; Conflict Dates not within MSE S:'\$G(CONCHK) CONCHK=\$\$CNCK^DGMSC S:'\$G(MSECHK) MSECHK=\$\$MSCK^DGMSC S:'\$G(MSESET) MSESET=\$\$MSFROMTO^DGMSC S LOC="",I2=0 F I1=1:1 S LOC=\$O(CONSPEC(LOC)) Q:LOC="" I CONARR(LOC)=1 D .N FROMDAT,FROMPC,TODAT,TOPC,NODE,DATA .S DATA=CONSPEC(LOC) .S NODE=\$P(DATA,"",1),FROMPC=\$P(DATA,"",3),TOPC=\$P(DATA,"",4) .S FROMDAT=\$P(DGP(NODE),"^",FROMPC),TODAT=\$P(DGP(NODE),"^",TOPC) I '\$\$RWITHIN^DGRPDT(\$P(MSESET,"^",1),\$P(MSESET,"^",2),FROMDAT,TODAT) S X=82 D COMB:I2 S CONARR(LOC)=2,I2=1 .Q ; Check OIF/OEF conflict dates N DGOEIF D GET^DGENOEIF(DFN,.DGOEIF,0,"",0)</p>	

Routine Name	DGRPC3
	<pre> I \$G(DGOEIF("COUNT")),DGER["",82," D . N Z . S Z=0 F S Z=\$O(DGOEIF("IEN",Z)) Q:'Z D Q:DGER["",82," .. S FROMDAT=\$G(DGOEIF("FR",Z)),TODAT=\$G(DGOEIF("TO",Z)),LOC=\$G(DGOEIF("LOC",Z)) .. I '\$\$RWITHIN^DGRPDT(\$P(MSESET,"^",1),\$P(MSESET,"^",2),FROMDAT,TODAT) S X=82 D COMB S I2=1 D NEXT G @DGLST 83 ;Merchant Seaman or Filipino Vet BOS requires service dates during WWII N BOS,BOSN,MS,MSE,OUT ;Use MSE data from DGPMSE array, if it exists (DG*5.3*797) I \$D(DGPMSE) D D NEXT G @DGLST .S MS=0 F S MS=\$O(DGPMSE(MS)) Q:'MS!(\$G(OUT)) D ..I \$P(DGPMSE(MS),U,7) Q ;Don't check MSE if verified by HEC ..S BOS=\$P(DGPMSE(MS),U,3) Q:'BOS S BOSN=\$P(^DIC(23,BOS,0),U) ..S MSE=\$O(DGPMSE(MS,0)) Q:'MSE S MSE="MSE-"_MSE ..I \$\$BRANCH^DGRPMS(BOS_U_BOSN),'\$WWII^DGRPMS(DFN,"",MSE) S X=83 D COMB S OUT=1 Q ;Otherwise, get MSE data from DGP(.32) F MS=1:1:3 D Q:\$G(OUT) .I MS=2,\$P(DGP(.32),U,19)="Y" S OUT=1 Q .I MS=3,\$P(DGP(.32),U,20)="Y" S OUT=1 Q .S BOS=\$P(DGP(.32),U,(5*MS)) Q:'BOS S BOSN=\$P(\$G(^DIC(23,BOS,0)),U) .S MSE=\$S(MS=1:"MSL",MS=2:"MSNTL",1:"MSNNTL") .I \$\$BRANCH^DGRPMS(BOS_U_BOSN),'\$WWII^DGRPMS(DFN,"",MSE) S X=83 D COMB S OUT=1 Q D NEXT G @DGLST 84 ;Filipino Vet BOS requires Filipino Vet Proof N MS,BOS,OUT,MSE ;Use MSE data from DGPMSE array, if it exists (DG*5.3*797) I \$D(DGPMSE) D D NEXT G @DGLST .S MS=0 F S MS=\$O(DGPMSE(MS)) Q:'MS!(\$G(OUT)) D ..I \$P(DGPMSE(MS),U,7) Q ;Don't check MSE if verified by HEC ..S BOS=\$P(DGPMSE(MS),U,3) Q:'BOS ..I \$\$FV^DGRPMS(BOS)=1,\$P(DGP(.321),U,14)="" S X=84 D COMB S OUT=1 Q ;Otherwise use MSE data in DGP(.32) F MS=1:1:3 D Q:\$G(OUT) .I MS=2,\$P(DGP(.32),U,19)="Y" S OUT=1 Q .I MS=3,\$P(DGP(.32),U,20)="Y" S OUT=1 Q .S BOS=\$P(DGP(.32),U,(5*MS)) .I \$\$FV^DGRPMS(BOS)=1,\$P(DGP(.321),U,14)="" S X=84 D COMB S OUT=1 Q D NEXT G @DGLST 85 ;Eligible Filipino Vet should have Veteran status = 'YES' 86 ;Ineligible Filipino Vet should have Veteran status = 'NO' N MS,BOS,FV,FILV,NOTFV,MSE,OUT ;Use MSE data from DGPMSE array, if it exists (DG*5.3*797) I \$D(DGPMSE) D .S MS=0 F S MS=\$O(DGPMSE(MS)) Q:'MS!(\$G(OUT)) D ..I \$P(DGPMSE(MS),U,7) Q ;Don't check MSE if verified by HEC ..S BOS=\$P(DGPMSE(MS),U,3),FV=\$\$FV^DGRPMS(BOS) I 'FV S NOTFV="" Q ..S MSE=\$O(DGPMSE(MS,0)) Q:'MSE S MSE="MSE-"_MSE ..I '\$\$WWII^DGRPMS(DFN,"",MSE) S FILV("I")="" Q ..I FV=2 S FILV("E")="" Q ..I \$P(DGP(.321),U,14)=""!(\$P(DGP(.321),U,14)="NO") S FILV("I")="" Q ..S FILV("E")="" ;Otherwise, get MSE data from DGP(.32) E F MS=1:1:3 D Q:\$G(OUT) </pre>

Routine Name	DGRPC3
87	<pre> .I MS=2,\$P(DGP(.32),U,19)="Y" S OUT=1 Q .I MS=3,\$P(DGP(.32),U,20)="Y" S OUT=1 Q .S BOS=\$P(DGP(.32),U,(5*MS)),FV=\$FV^DGRPMS(BOS) I 'FV S NOTFV="" Q .S MSE=\$S(MS=1:"MSL",MS=2:"MSNTL",1:"MSNNTL") .I '\$\$WWII^DGRPMS(DFN,"",MSE) S FILV("I")="" Q .I FV=2 S FILV("E")="" Q .I \$P(DGP(.321),U,14)=""!(\$P(DGP(.321),U,14)="NO") S FILV("I")="" Q .S FILV("E")="" I \$D(FILV) D .I DGV=1,\$D(FILV("E")) S X=85 D COMB Q .I DGCHK'["",86,") Q .I DGV=1,\$D(NOTFV),\$D(FILV("E")), \$D(FILV("I")) S X=86 D COMB S DGLST=86 D NEXT G @DGLST ; DG*5.3*657 BAJ 11/24/2005 CC #87 added ; SC Eligibility but no rated Disability Codes ; 1. Svc Connected is answered "YES" ; 2. Eligibility code is either SC < 50% or SC 50-100% ; 3. Svc connected %-age is 0 or greater ; 4. Patient has no rated disabilities ; .. VAE(1) \$P 1 = Primary Eligibility Code \$p 2 = Primary Elig External Value ; .. VAE(3) \$P 1 = SERVICE CONNECTED? \$P 2 = SC % ; .. Rated Disabilities : ^DPT(DFN,,372,0) \$P 4 is number of records '(\$P(\$G(^DPT(DFN,,372,0)),"^",4)) is TRUE ; ; Get Eligibility info D ELIG^VADPT ; ; If not svc connected, don't check I 'G(VAE(3)) D NEXT G @DGLST ; I +VAE(3)=1!(+VAE(3)=3) D .Q:\$P(VAE(3),"^",2)<0 .Q:\$P(VAE(3),"^",2)="" .I '(\$P(\$G(^DPT(DFN,,372,0)),"^",4)) S X=87 D COMB D NEXT G @DGLST ; </pre>
	<pre> 88 ;Temporary Address check N STR88,J,DGI,DGERR,START,END S DGERR=0 I \$P(DGP(.121),U,9)="Y" D ;check only if current date is within effective range .S START=\$P(DGP(.121),U,7),END=\$P(DGP(.121),U,8) .Q:START="" I END="" S END=9999999 ; quit if current date is not within range .I '(DT<START&(DT>END)) Q ; country is either NULL or non-numeric .I '\$P(DGP(.122),U,3) S DGERR=1 Q ; country is not in Country file .I '\$D(^HL(779.004,\$P(DGP(.122),U,3))) S DGERR=1 Q .S STR88="1,4,5,6" I '\$\$FORIEN^DGADDUTL(\$P(DGP(.122),"^",3)) S STR88="1,4" .F J=1:1:\$L(STR88,"") S DGI=\$P(STR88,"",J) Q:DGERR I \$P(DGP(.121),U,DGI)="" S DGERR=1 I DGERR S X=88 D COMB D NEXT G @DGLST </pre>

Routine Name	DGRPC3
99	; synonymous with END
END	I DGNCK S X=99 D COMB
	D OVER99CK
	I DGEDCN S DGCON=0 D TIME^DGRPC
	K C,C1,C2,DGCD,DGD,DGD1,DGD2,DGDATE,DGDEP,DGCHK,DGFL,DGINC,DGISYR,DGLST
	,DGMS,DGNCK,DGP,DGPMSE,DGPTYP,DGREL,DGSCT,DGT,DGTIME,DGTOT,DGVT,I,I2,I2,J,VAIN,X,X1
	G ^DGRPCF
	;
COMB	S DGCT=DGCT+1,DGER=DGER_X_",",DGLST=X Q
	;;
NEXT	S I=\$F(DGCHK,(", "_+DGLST_",")),DGLST=+\$E(DGCHK,I,999) S:'DGLST DGLST="END"
	Q
	;
OVER99CK	N DGP,DGSD,RULE,FILERR
	D LOADPT^IVMZ07C(DFN,,DGP),LOADSD^IVMZ072(DFN,,DGSD)
	F RULE=301,303,304,306:1:308 S DGLST=RULE_"^IVMZ7CD" D @DGLST I \$D(FILE
RR(RULE))	S X=RULE D COMB
	F RULE=402,403,406,407 S DGLST=RULE_"^IVMZ7CE" D @DGLST I \$D(FILERR(RUL
E))	S X=RULE D COMB
	F RULE=501:1:507,516,517 S DGLST=RULE_"^IVMZ7CS" D @DGLST I \$D(FILERR(RULE)) S X=RULE
D COMB	
	F RULE=313 S DGLST=RULE_"^DGRPC3" D @DGLST I \$D(FILERR(RULE)) S X=RULE D COMB
	F RULE=314 S DGLST=RULE_"^DGRPC3" D @DGLST I \$D(FILERR(RULE)) S X=RULE D COMB
	S DGLST="END"
	Q
	;
313	; NEWBORN REQUIRES SPONSOR
	N X
	S DOB=\$P(^DPT(DFN,0),"^",3)
	D NOW^%DTC
	S NOW=X
	I \$\$FMDIFF^XLFD(T(NOW,DOB,1)>365 Q ;NOT A NEWBORN
	I \$D(^IBA(355.81,"B",DFN)) Q ;already has a sponsor
	S FILERR(RULE)=""
	Q
	;
314	;NEWBORN SPONSOR MUST BE ELIGIBLE
	I '\$D(^IBA(355.81,"B",DFN)) Q ;Does not have a sponsor
	N X
	S DOB=\$P(^DPT(DFN,0),"^",3)
	D NOW^%DTC
	S NOW=X
	I \$\$FMDIFF^XLFD(T(NOW,DOB,1)>365 Q ;NOT A NEWBORN
	N RELIEN,SPNIEN,SPNDFN,ELIG
	;NEED TO FIND SPONSOR IN PATIENT FILE
	S RELIEN="",SPNIEN="",SPNDFN="",ELIG=""
	S RELIEN=\$O(^IBA(355.81,"B",DFN,RELIEN))
	S SPNIEN=\$\$GET1^DIQ(355.81,RELIEN,.02,"I")
	S SPNDFN=\$\$GET1^DIQ(355.8,SPNIEN,.01,"I")
	S SPNDFN=\$P(SPNDNFN,";",1)
	S ELIG=\$\$GET1^DIQ(2,SPNDFN,.3611,"I")
	I ELIG="" Q ;sponsor has an eligibility status
	S FILERR(RULE)=""
	Q

Routine Name	DGRPC3
;	

Routine Name	DGENELA		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	DGLOCK1, DGENUPL4, DGENUPA1, DGENELA4, DGENELA2, DGENEGT1, DGENA6, DGENA3	DGENUPL7, DGENUPL3, DGENRPZ3, DGENELA3, DGENELA1, DGENCLN1,	DGMTU
Requirement Traceability Matrix		The system shall provide a capability to display the Camp Lejeune eligibility.	
Data Dictionary (DD) References			
Related Protocols			
Related Integration Control Registrations (ICRs)			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine		
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine		
DGENELA ;ALB/CJM,KCL,Zoltan/PJR,RGL,LBD,EG,TMK,CKN,ERC,TDM - Patient Eligibility API ; 3/3/11 3:40pm ;;5.3;Registration;**121,147,232,314,451,564,631,672,659,583,653,688,84 1**;Aug 13,1993;Build 7 ; GET(DFN,DGELG) ; ;Description: Used to obtain the patient eligibility data. ; The data is placed in the local DGELG array. ;Input: ; DFN - internal entry number of a record in the PATIENT file ;Output: ; Function Value - returns 1 on success, 0 on failure ; DGELG - this is a local array that will be used to return patient eligibility data. The array subscripts and the fields mapped to are defined below . (pass by reference) ; ;subscript field name ;"DFN" ien Patient record ;"ELIG","CODE" Primary Eligibility Code ;"ELIG","CODE",<ien> Patient Eligibilities ;"SC" Service Connected			

Routine Name	DGENELA
;"SCPER"	Service Connected Percentage
;"EFFDT"	SC Combined Effective Date
;"POW"	POW Status Indicated
;"A&A"	Receiving A&A Benefits
;"HB"	Receiving Housebound Benefits
;"VAPEN"	Receiving a VA Pension
;"VACKAMT"	Total Annual VA Check Amount
;"DISRET"	Military Disability Retirement
;"DISLOD"	Discharge Due to Disability (added with DG 672)
;"MEDICAID"	Medicaid
;"MEDASKDT"	Date Medicaid Last Asked
;"AO"	Exposed to Agent Orange
;"IR"	Radiation Exposure Indicated
;"RADEXPM"	Radiation Exposure Method
;"EC"	SW Asia Cond - change from Env Con, DG*5.3*688
;"MTSTA"	Means Test Status
;P&T	P&T
;P&TDT	P&T EFFECTIVE DATE (added with DG 688)
;POS	PERIOD OF SERVICE
;UNEMPLOY	UNEMPLOYABLE
;SCAWDATE	SC AWARD DATE
;RATEINC	RATED INCOMPETENT
;CLAIMNUM	CLAIM NUMBER
;CLAIMLOC	CLAIM FOLDER LOCATION
;VADISAB	RECEIVING VA DISABILITY?
;ELIGSTA	ELIGIBILITY STATUS
;ELIGSTADATE	ELIGIBILITY STATUS DATE
;ELIGVERIF	ELIGIBILITY VERIF. METHOD
;ELIGVSITE	ELIGIBILITY VERIFICATION SITE
;ELIGENTBY	ELIGIBILITY STATUS ENTERED BY
;RATEDIS	
; <COUNT>,"RD"	RATED DISABILITY
; <COUNT>,"PER"	DISABILITY %
; <COUNT>,"RDSC"	SERVICE CONNECTED
; <COUNT>,"RDEXT"	EXTREMITY
; <COUNT>,"RDORIG"	ORIGINAL RD EFFECTIVE DATE
; <COUNT>,"RDCURR"	CURRENT RD EFFECTIVE DATE
;"VCD"	Veteran Catastrophically Disabled? (#.39)
;"PH"	PURPLE HEART INDICATED
;"AOEXPLOC"	AGENT ORANGE EXPOSURE LOCATION
;"CVELEDT"	COMBAT VETERAN END DATE
;"SHAD"	SHAD EXPOSURE
;"MOH"	MEDAL OF HONOR
;	
K DGELG	
S DGELG=""	
Q:'\$D(^DPT(DFN)) 0	
N NODE,SUBREC,COUNT,CODE,IEN	
;	
S DGELG("DFN")=DFN	
S DGELG("VCD")=\$\$VCD^DGENA5(DFN)	
;	
;	
S NODE=\$G(^DPT(DFN,.29))	

Routine Name	DGENELA
	<pre> S DGELG("RATEINC")=\$P(NODE,"^",12) ; S NODE=\$G(^DPT(DFN,.3)) S DGELG("SC")=\$P(NODE,"^") S DGELG("SCPER")=\$P(NODE,"^",2) S DGELG("P&T")=\$P(NODE,"^",4) S DGELG("P&TDT")=\$P(NODE,"^",13) S DGELG("UNEMPLOY")=\$P(NODE,"^",5) S DGELG("SCAWDATE")=\$P(NODE,"^",12) S DGELG("VADISAB")=\$P(NODE,"^",11) S DGELG("EFFDT")=\$P(NODE,"^",14) ; S NODE=\$G(^DPT(DFN,.31)) S DGELG("CLAIMNUM")=\$P(NODE,"^",3) S DGELG("CLAIMLOC")=\$P(NODE,"^",4) ; S NODE=\$G(^DPT(DFN,.32)) S DGELG("POS")=\$P(NODE,"^",3) ; S NODE=\$G(^DPT(DFN,.36)) S DGELG("ELIG","CODE")=\$P(NODE,"^") ;primary eligibility S DGELG("DISRET")=\$P(NODE,"^",12) S DGELG("DISLOD")=\$P(NODE,"^",13) ; S NODE=\$G(^DPT(DFN,.38)) S DGELG("MEDICAID")=\$P(NODE,"^") S DGELG("MEDASKDT")=\$P(NODE,"^",2) ;Date Medicaid Last Asked ; S NODE=\$G(^DPT(DFN,.361)) S DGELG("ELIGSTA")=\$P(NODE,"^") S DGELG("ELIGSTADATE")=\$P(NODE,"^",2) S DGELG("ELIGVERIF")=\$P(NODE,"^",5) S DGELG("ELIGENTBY")=\$P(NODE,"^",6) ; S NODE=\$G(^DPT(DFN,.362)) S DGELG("VACKAMT")=\$P(NODE,"^",20) S DGELG("VAPEN")=\$P(NODE,"^",14) S DGELG("A&A")=\$P(NODE,"^",12) S DGELG("HB")=\$P(NODE,"^",13) ; ; S NODE=\$G(^DPT(DFN,.321)) S DGELG("AO")=\$P(NODE,"^",2) S DGELG("IR")=\$P(NODE,"^",3) S DGELG("RADEXPM")=\$P(NODE,"^",12) S DGELG("AOEXPLOC")=\$P(NODE,"^",13) S DGELG("SHAD")=\$P(NODE,"^",15) ;added with DG*5.3*653 ; S NODE=\$G(^DPT(DFN,.322)) S DGELG("EC")=\$P(NODE,"^",13) ; S NODE=\$G(^DPT(DFN,.52)) S DGELG("POW")=\$P(NODE,"^",5) S DGELG("CVELEDT")=\$P(NODE,"^",15) </pre>

Routine Name	DGENELA
<pre> ; ; Purple Heart Indicator S NODE=\$G(^DPT(DFN,.53)) S DGELG("PH")=\$P(NODE,"^") ; ; Medal of Honor Indicator S NODE=\$G(^DPT(DFN,.54)) S DGELG("MOH")=\$P(NODE,"^") ; ;means test category S DGELG("MTSTA")="" S IEN=\$P(\$LST^DGMTU(DFN),"^") I IEN S DGELG("MTSTA")=\$P(\$G(^DGMT(408.31,IEN,0)),"^",3) ; ;get the other eligibilities multiple S SUBREC=0 F S SUBREC=\$O(^DPT(DFN,"E",SUBREC)) Q:'SUBREC D .S CODE=+\$G(^DPT(DFN,"E",SUBREC,0)) .; .;need to check the "B" x-ref, because when a code is deleted from the multiple, the kill logic is executed BEFORE the data is actually removed - but t he "B" x-ref has been deleted at this point .I CODE,\$D(^DPT(DFN,"E","B",CODE)) S DGELG("ELIG","CODE",CODE)=SUBREC ; ;rated disability multiple S SUBREC=0,COUNT=0 F S SUBREC=\$O(^DPT(DFN,.372,SUBREC)) Q:'SUBREC D .S NODE=\$G(^DPT(DFN,.372,SUBREC,0)) .Q:'\$P(NODE,"^") .S COUNT=COUNT+1 .S DGELG("RATEDIS",COUNT,"RD")=\$P(NODE,"^") .S DGELG("RATEDIS",COUNT,"PER")=\$P(NODE,"^",2) .S DGELG("RATEDIS",COUNT,"RDSC")=\$P(NODE,"^",3) .S DGELG("RATEDIS",COUNT,"RDEXT")=\$P(NODE,"^",4) .S DGELG("RATEDIS",COUNT,"RDORIG")=\$P(NODE,"^",5) .S DGELG("RATEDIS",COUNT,"RDCURR")=\$P(NODE,"^",6) ; Q 1 ; NATNAME(CODE) ; ;Description: Given an entry in file #8, Eligibility Code file, ; finds the corresponding entry in file 8.1, MAS Eligibility Code file, ; and returns the name ;Input: ; CODE - pointer to file #8 ;Output: ; Function Value - name of corresponding code in file #8.1 ; Q:'\$G(CODE) "" Q \$\$CODENAME(\$P(\$G(^DIC(8,CODE,0)),"^",9)) ; NATCODE(CODE) ; ;Description: Given an entry in file #8, Eligibility Code file, ; finds the corresponding entry in file 8.1, MAS Eligibility Code file </pre>	

Routine Name	DGENELA
<pre> ;Input: ; CODE - pointer to file #8 ;Output: ; Function Value - pointer to file #8.1 ; Q:'\$G(CODE) "" Q \$P(\$G(^DIC(8,CODE,0)),"^",9) ; CODENAME(CODE) ; ;Description: Given a pointer to file #8.1, MAS Eligibility Code file, ; it returns the name of the code ;Input: ; CODE - pointer to file #8.1 ;Output: ; Function Value - name of the code pointed to ; Q:'\$G(CODE) "" Q \$P(\$G(^DIC(8.1,CODE,0)),"^") ; ELIGSTAT(DFN,DGELG) ; ;Description: Used to get the ELIGIBILITY STATUS and the ;ELIGIBILITY STATUS DATE of the patient. ; ;Input: ; DFN - ien of patient record ; ;Output: ; Function Value - 1 on success, 0 on failure ; DGELG array (pass by reference) ; "ELIGSTA" - ELIGIBILITY STATUS ; "ELIGSTADATE" - ELIGIBILITY STATUS DATE ; N NODE,SUCCESS D .S SUCCESS=1 .I '\$G(DFN) S SUCCESS=0 Q .S NODE=\$G(^DPT(DFN,.361)) .S DGELG("ELIGSTA")=\$P(NODE,"^") .S DGELG("ELIGSTADATE")=\$P(NODE,"^",2) Q SUCCESS </pre>	

Routine Name	DGENELA4		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Related Options			
Related Routines	Routines "Called By"		Routines "Called"
	DGENA3, DGENA6, DGENEGT1, DGENELA4, DGNEUPL7		DGENEGT1, DGENA, DGMTR, DGNENEGT, DGENELA4, DGMTU21, DGENELA
Requirement Traceability Matrix			The system shall provide a capability to display the Camp Lejeune eligibility.

Routine Name	DGENELA4
Data Dictionary (DD) References	
Related Protocols	
Related Integration Control Registrations (ICRs)	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine
<p>DGENELA4 ;ALB/CJM,KCL,RTK,LBD,EG,CKN,DLF,TDM - Patient Eligibility API ; 5/10/11 12:03pm ;5.3;Registration;**232,275,306,327,314,367,417,437,456,491,451,564,67 2,659,653,688,803,754,841**;Aug 13,1993;Build 7 ; ; ; PRIORITY(DFN,DGELG,DGELGSUB,ENRDATE,APPDATE) ; ; Description: Used to compute the priority group and subgroup for a ; patient, also returning the subset of the eligibility data on which ; the priority subgroup is based. ; ;Input: ; DFN - ien of patient ; DGELG - ELIGIBILITY object array (optional, pass by reference) ; ENRDATE - The Enrollment Date. This date is used in the priority ; determination only if the application date is not passed. ; APPDATE - The Enrollment Application Date. This date is used ; to determine the priority. If the application date ; is not passed then the enrollment date (ENRDATE) is used. ; ;Output: ; Function Value - returns the priority and subgroup computed by the ; function as a 2 piece string 'PRIORITY^SUBGROUP' ; DGELGSUB - this local array will contain the eligibility data on ; which the priority determination was based, pass by reference ; if needed. ; N CODE,HICODE,PRI,HIPRI,PRIORITY,SUBGRP,HISUB,SUB,DGPAT K DGELGSUB S DGELGSUB="" S (HICODE,HIPRI,SUBGRP,HISUB)="" D .I '\$D(DGELG),'\$\$GET^DGENELA(DFN,.DGELG) Q ;can not proceed with eligibility .; can't proceed without an Enrollment Date or Application Date .I '\$G(ENRDATE),'\$G(APPDATE) Q .I '\$\$GET^DGENPTA(DFN,.DGPAT) .; determine priority/subgroup based on primary eligibility .S HICODE=\$\$NATCODE^DGENELA(DGELG("ELIG","CODE")) .S PRIORITY=\$\$PRI(HICODE,.DGELG,\$G(ENRDATE),\$G(APPDATE)) .S HIPRI=\$P(PRIORITY,"^"),HISUB=\$P(PRIORITY,"^",2) .S CODE="" .;</p>	

Routine Name	DGENELA4
<pre> .; determine if other eligibilities result in higher priority/subgroup .F S CODE=\$O(DGELG("ELIG","CODE",CODE)) Q:('CODE!(HIPRI=1)) D ..S PRIORITY=\$\$PRI(\$\$NATCODE^DGENELA(CODE),DGELG,\$G(ENRDATE),\$G(APPDAT E)) ..S PRI=\$P(PRIORITY,"^"),SUB=\$P(PRIORITY,"^",2) ..S:((PRI>0)&((PRI<HIPRI)!(HIPRI=""))) HIPRI=PRI,HICODE=\$\$NATCODE^DGENE LA(CODE),HISUB=SUB ..S:((PRI=HIPRI)&((SUB>0)&(SUB<HISUB))) HIPRI=PRI,HICODE=\$\$NATCODE^DGEN ELA(CODE),HISUB=SUB .; .;set the DGELGSUB() array with the eligibility information used in the .;priority determination .S DGELGSUB("CODE")=HICODE,DGELGSUB("SC")=DGELG("SC"),DGELGSUB("SCPER") =DGELG("SCPER"),DGELGSUB("POW")=DGELG("POW"),DGELGSUB("A&A")=DGELG("A&A"),DGELGS UB("HB")=DGELG("HB") .S DGELGSUB("VAPEN")=DGELG("VAPEN"),DGELGSUB("VACKAMT")=DGELG("VACKAMT"),DGELGSUB("DISRET")=DGELG("DISRET"),DGELGSUB("DISLOD")=DGELG("DISLOD") .S DGELGSUB("MEDICAID")=DGELG("MEDICAID"),DGELGSUB("AO")=DGELG("AO"),DG ELGSUB("IR")=DGELG("IR"),DGELGSUB("EC")=DGELG("EC"),DGELGSUB("MTSTA")=DGELG("MTSTA") .;Purple Heart Added to DGELGSUB .S DGELGSUB("VCD")=DGELG("VCD"),DGELGSUB("PH")=DGELG("PH") .;Added for HVE Phase III (DG*5.3*564) .S DGELGSUB("UNEMPLOY")=DGELG("UNEMPLOY"),DGELGSUB("CVELEDT")=DGELG("CV ELEDT"),DGELGSUB("SHAD")=DGELG("SHAD") .;added dg*5.3*659 .S DGELGSUB("RADEXPM")=DGELG("RADEXPM") .S DGELGSUB("AOEXPLOC")=DGELG("AOEXPLOC") .S DGELGSUB("MOH")=DGELG("MOH") .I \$G(DGPAT("INELDATE"))="" S (HIPRI,HISUB)="" ; Q HIPRI_\$S(HIPRI:"^" _HISUB,1:"") ; ; PRI(CODE,DGELG,ENRDATE,APPDATE) ; ; Description: Returns the priority group and subgroup based on a ; single eligibility code. ;Input - ; CODE - pointer to file #8.1, MAS Eligibility Code ; DGELG - local array obtained by calling \$\$GET, pass by reference ; ENRDATE - The Enrollment Date. This date is used in the priority ; determination only if the application date is not passed. ; APPDATE - The Enrollment Application Date. This date is used ; to determine the priority. If the application date ; is not passed then the enrollment date (ENRDATE) is used. ; ;Output - ; Function Value - returns the priority and subgroup computed by the ; function as a 2 piece string 'PRIORITY^SUBGROUP' ; N CODENAME,PRIORITY,MTSTA,SUBGRP,DGEGT,PRISUB,DGMTI,MTTHR,GMTTHR,STAEXP N NODE2,DGNMCM,DGNETW,DGMEDEX,DGEDEX,DGASSTS,DGMTYR,MTTEST1,MTTEST2 S SUBGRP="" ; </pre>	

Routine Name	DGENELA4
	<pre> ; use the Application Date when determining the priority, otherwise use ; the Enrollment Date (ESP DG*5,3*491) S ENRDATE=\$S(\$G(APPDATE):APPDATE,1:\$G(ENRDATE)) ; ;get the name of the national eligibility code S CODENAME=\$\$CODENAME^DGENELA(CODE) ; ;get the means test code S MTSTA="" I DGELG("MTSTA") S MTSTA=\$P(\$G(^DG(408.32,DGELG("MTSTA"),0)),",",2) ; ;get MT and GMT thresholds S DGMTI=\$P(\$LST^DGMTU(DFN),",") S MTTTHR=\$\$GET1^DIQ(408.31,+DGMTI,12,"I") S GMTTHR=\$\$GET1^DIQ(408.31,+DGMTI,27,"I") S DGNCM=\$\$GET1^DIQ(408.31,+DGMTI,04,"I") S DGNETW=\$\$GET1^DIQ(408.31,+DGMTI,05,"I") D ALL^DGMTU21(DFN,"V",DT,"I",+DGMTI) S DGAICM=0 S:\$G(DGINC("V")) DGAICM=+DGINC("V") S (DGMEDEX,DGEDEX,DGASSTS)=0 S DGMTYR=\$\$GET1^DIQ(408.21,+DGAICM,.01,"E") I \$D(^DGMT(408.21,DGAICM,2)) D .S NODE2=^DGMT(408.21,DGAICM,2) .S DGASSTS=DGASSTS+\$P(NODE2,U,1)+\$P(NODE2,U,2)+\$P(NODE2,U,3)+\$P(NODE2,U ,4)+\$P(NODE2,U,5) .S DGASSTS=DGASSTS+\$P(NODE2,U,6)+\$P(NODE2,U,7)+\$P(NODE2,U,8)+\$P(NODE2,U ,9) S:\$D(^DGMT(408.21,DGAICM,1)) DGMEDEX=\$P(^DGMT(408.21,DGAICM,1),",",12) S:\$D(^DGMT(408.21,DGAICM,1)) DGEDEX=\$P(^DGMT(408.21,DGAICM,1),",",3) ; ; get expiration dates for Special Treatment Authority S STAEXP("AO")=\$\$STAEXP^DGENELA4("AO") S STAEXP("EC")=\$\$STAEXP^DGENELA4("EC") ; ;get the Enrollment Group Threshold (EGT) setting S DGEGT="" I \$\$GET^DGENEGT(\$\$FINDCUR^DGENEGT(),,DGEGT) I \$G(DGELG("RADEXPM")) S DGELG("RADEXPM")="" I \$G(DGELG("SHAD")) S DGELG("SHAD")="" ; D ;drops out when priority determined .S PRIORITY="" .I ((DGELG("SC")="Y")&(DGELG("SCPER")>49))&(CODENAME="SERVICE CONNECTED 50% to 100%")) S PRIORITY=1 Q .I (DGELG("SC")="Y")&(DGELG("SCPER")>0)&(DGELG("UNEMPLOY")="Y")&(DGELG("VACKAMT")>0)&(DGELG("VAPEN")="Y")&(DGELG("A&A")="Y")&(DGELG("HB")="Y")) S PRIORITY=1 Q .I ((DGELG("SC")="Y")&(DGELG("SCPER")>29)&(CODENAME="SC LESS THAN 50%")) S PRIORITY=2 Q .I ((DGELG("SC")="Y")&(DGELG("SCPER")>9)&(CODENAME="SC LESS THAN 50%")) !(DGELG("POW")="Y")&(CODENAME="PRISONER OF WAR")&(DGELG("DISRET")=1)&(DGELG("DIS LOD")=1)&(CODENAME="PURPLE HEART RECIPIENT")&(DGELG("PH")="Y")) S PRIORITY=3 Q .I DGELG("MOH")="Y" S PRIORITY=3 Q ;Added for DG*5.3*841 </pre>

Routine Name	DGENELA4
	<pre> .I (DGELG("A&A")="Y")!(CODENAME="AID & ATTENDANCE")!(DGELG("HB")="Y")!(CODENAME="HOUSEBOUND")!(DGELG("VCD")="Y") S PRIORITY=4 Q .I (MTSTA="A")!(DGELG("MEDICAID")=1)!(DGELG("VAPEN")="Y")!(CODENAME="NS C, VA PENSION") S PRIORITY=5 Q .I (CODENAME="WORLD WAR I")!(CODENAME="MEXICAN BORDER WAR")!(DGELG("VAC KAMT")>0)!(DGELG("CVELEDT"))&(DGELG("CVELEDT")<DT))!(DGELG("SHAD")=1) S PRIORITY=6 Q .I DGELG("EC")="Y" I (STAEXP("EC")<1)!((\$DT^XLFD<STAEXP("EC"))) S PRIORITY=6 Q .I DGELG("IR")="Y" I (DGELG("RADEXPM")=2)!(DGELG("RADEXPM")=3)!(DGELG("RADEXPM")=4) S PRIORITY=6 Q .I (DGELG("AO")="Y"),(DGELG("AOEXPLOC"))="V" I (STAEXP("AO")<1)!((\$DT^XLFD<STAEXP("AO"))) S PRIORITY=6 Q .I (MTSTA="G")!(MTSTA="P")&(GMTTHR>MTTHR) S PRIORITY=7 D Q ..I ((DGELG("SC")="Y")&(DGELG("SCPER")=0)&(DGELG("VACKAMT")<1)&(CODENAM E="SC LESS THAN 50%")) S SUBGRP=\$\$SUBPRI(DFN,.PRIORITY,1) Q ..S SUBGRP=\$\$SUBPRI(DFN,.PRIORITY,3) .S MTTEST1=MTTHR .I GMTTHR>MTTHR S MTTEST1=GMTTHR .S MTTEST2=MTTEST1+(MTTEST1*0.10)+0.01 ; Add 10% to the test threshold .I \$\$SC^DGMTR(DFN),DGMTYR>2007,DGNMCM>MTTEST1,MTTEST2>DGNMCM,ENRDATE>3090 614 S PRIORITY=8,SUBGRP=\$\$SUBPRI(DFN,.PRIORITY,2) Q .I \$\$SC^DGMTR(DFN),DGMTYR>2007,(DGNMCM-DGMEDEX-DGEDEX)<MTTHR,DGNMCM+DGNET W>79999.99 S PRIORITY=8,SUBGRP=\$\$SUBPRI(DFN,.PRIORITY,2) Q .I DGELG("SC")="N",DGMTYR>2007,DGNMCM>MTTEST1,MTTEST2>DGNMCM,ENRDATE>3090 614 S PRIORITY=8,SUBGRP=\$\$SUBPRI(DFN,.PRIORITY,4) Q .I DGELG("SC")="N",DGMTYR>2007,(DGNMCM-DGMEDEX-DGEDEX)<MTTHR,DGNMCM+DGNET W>79999.99 S PRIORITY=8,SUBGRP=\$\$SUBPRI(DFN,.PRIORITY,4) Q .I ((DGELG("SC")="Y")&(DGELG("SCPER")=0)&(DGELG("VACKAMT")<1)&(CODENAME ="SC LESS THAN 50%")) S PRIORITY=8,SUBGRP=\$\$SUBPRI(DFN,.PRIORITY,1) Q .I ((MTSTA="C")!(MTSTA="P")) S PRIORITY=8,SUBGRP=\$\$SUBPRI(DFN,PRIORITY,3) Q ; Q PRIORITY_\$S(PRIORITY:"^" _ SUBGRP,1:"") ; SUBPRI(DFN,PRIORITY,SUBGRP) ;calculate sub-priority if under EGT ; N PRVPRI,DONE,PRVENST,ENRDT,DGENRIEN,EGT,DGENRC,TODAY,X Q:\$G(DFN) S U="^" S:\$G(PRIORITY)=" " PRIORITY="" S:\$G(SUBGRP)=" " SUBGRP="" D NOW^%DTC S TODAY=X Q:\$GET^DGENEGT(\$\$FINDCUR^DGENEGT(),EGT) SUBGRP ;EGT isn't set Q:TODAY<EGT("EFFDATE") SUBGRP ;EGT is not in effect I "^1^3^"[(U_EGT("TYPE"))_U] Q SUBGRP I EGT("TYPE")=2,(PRIORITY+(SUBGRP*.01))<(EGT("PRIORITY")+(EGT("SUBGRP") *.01)) Q SUBGRP I EGT("TYPE")=4 Q:(PRIORITY<EGT("PRIORITY")) SUBGRP Q:(PRIORITY>EGT("PRIORITY")) \$\$SUBCNV(SUBGRP) .I \$G(ENRDATE) Q:\$ABOVE2^DGENEGT1(ENRDATE,PRIORITY,SUBGRP) SUBGRP S DGENRIEN=\$\$FINDCUR^DGENA(DFN) I 'DGENRIEN,\$G(ENRDATE),ENRDATE<EGT("EFFDATE") Q SUBGRP S DONE=0 F Q:DONE D .I 'DGENRIEN S DONE=2 Q .I '\$\$GET^DGENA(DGENRIEN,.DGENRC) S DONE=2 Q </pre>

Routine Name	DGENELA4
<pre> .S DGENRIEN=\$\$FINDPRI^DGENA(DGENRIEN) .Q:DGENRC("STATUS")=6 ;deceased .I \$P(\$G(^DGEN(27.15,+DGENRC("STATUS"),0)),",",2)="N" S DONE=2 Q .S ENRDT=\$G(DGENRC("APP")) S:ENRDT ENRDT=\$G(DGENRC("EFFDATE")) .I ENRDT,ENRDT<EGT("EFFDATE") S DONE=1 Q .; HEC is the authoritative source on continuous enrollment .I \$\$OVERRIDE^DGENEGT1(DFN,EGT) S DONE=1 ; Q \$\$S(DONE=2:\$\$SUBCNV(SUBGRP),1:SUBGRP) ; SUBCNV(SUBGRP) ;return new subgrp I SUBGRP=1 Q 5 I SUBGRP=3 Q 7 Q SUBGRP ; STAEXP(STATYP) ;return expiration date for Special Treatment Authority (STA) ;Input - ; STATYP - STA Type (Only AO & EC (SWAC) currently supported) ; ;Output - ; Function Value - returns the requested expiration date from the ; MAS PARAMETERS file (#43), otherwise returns 0 ; I STATYP="AO" Q +\$P(\$G(^DG(43,1,"ENR")),U,1) ;AO Exp Dt I STATYP="EC" Q +\$P(\$G(^DG(43,1,"ENR")),U,2) ;EC (SWAC) Exp Dt Q 0 </pre>	

4.3.2. Routines (Entry Points – Integrated Billing)

The following routines (IBTRKR41, and IBTRKR5) will be used to modify the Integration Billing (IB).

Routine Name	IBTRKR41		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	IBRMARK		
Requirement Traceability Matrix		check out classification questions for encounter	
Data Dictionary (DD) References	IBT(356		
Related Protocols			
Related Integration Control Registrations (ICRs)			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine		

Routine Name	IBTRKR41
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine
Current Logic	

Routine Name	IBTRKR41
IBTRKR41 ;ALB/AAS - CLAIMS TRACKING - ADD/TRACK OUTPATIENT ENCOUNTERS ;13-AUG-93 ;:2.0;INTEGRATED BILLING; **43,55,91,132,174,247,260,315,292,312,339,399** ;21-MAR-94;Build 8 ;:Per VHA Directive 2004-038, this routine should not be modified. ; OPCHK ; -- check and add rx N Y,Y0,IBSERV,IBAPPT N IBSWINFO S IBSWINFO=\$\$SWSTAT^IBBAPI() ;IB*2.0*312 ; IBDT is set from IBTRKR4 ; Do NOT PROCESS on VistA if IBDT>=Switch Eff Date ;CCR-930 I +IBSWINFO,(IBDT+1)>\$P(IBSWINFO,"^",2) Q ;IB*2.0*312 ; K IBRMARK I '\$D(ZTQUEUED),(\$G(IBTALK)) W "." ; S IBOEDATA=\$\$SCE^IBSDU(IBOE),IBOESTAT=\$P(IBOEDATA,"^",15) S IBSERV=\$\$(+P(\$G(^DIC(40.7,+P(IBOEDATA,"^",3),0)),("^",2)=180:"DENTAL",1:"OUTPATIENT")) S IBAPPT=\$P(\$G(^SD(409.1,+P(IBOEDATA,"^",10),0)),("^",1) S DFN=\$P(IBOEDATA,"^",2) I 'DFN G OPCHKQ I \$P(IBOEDATA,"^",5) S IBVSIT=\$P(IBOEDATA,"^",5) I '\$BDSRC^IBEFUNC3(IBVSIT) G OPCHKQ ;non-billable data sources ; -- do not allow date/time duplicate claims before Jan. 1, 2006 I \$O(^IBT(356,"APTY",DFN,IBOETYP,IBDT,0)),IBDT<3060101 G OPCHKQ ; ; -- see if tracking only insured and pt is insured/insured for outpt visits I \$P(IBTRKR,"^",3)=1,\$\$INSURED^IBCNS1(DFN,IBDT) G OPCHKQ ; patient not insured ; I '\$PTFTF^IBCNSU31(DFN,IBDT) S IBRMARK="FILING TIMEFRAME NOT MET" ; ; -- see if outpatient services are covered I '\$PTCOV^IBCNSU3(DFN,IBDT,IBSERV,IBANY) S IBRMARK=\$\$(\$G(IBANY)&(IBSERV="DENTAL")):"NO DENTAL COVERAGE",\$G(IBANY):"NO OUTPATIENT COVERAGE",1:"NOT INSURED") ; ; -- see if appointment type is billable I '\$RPT^IBEFUNC(\$P(IBOEDATA,"^",10),+IBOEDATA) S IBRMARK=\$\$(IBAPPT="RESEARCH"):"RESEARCH VISIT",1:"NON-BILLABLE APPOINTMENT TYPE") ; ; -- check sc status, special conditions etc. I \$G(IBRMARK)="" S IBRMARK=\$\$CL(BOEDATA) ; ; -- check for non-billable stops or clinic S X=\$P(IBOEDATA,"^",4) I X,\$\$NBCT^IBEFUNC(X,+IBOEDATA) S IBRMARK="NON-BILLABLE CLINIC" S X=\$P(IBOEDATA,"^",3) I X,\$\$NBST^IBEFUNC(X,+IBOEDATA) S IBRMARK="NON-BILLABLE STOP CODE" ; ; -- ok to add to tracking module D OPT^IBTUTL1(DFN,IBOETYP,IBDT,IBOE,IBRMARK,\$G(IVSIT)) I '\$D(ZTQUEUED),\$G(IVTALK) W "+" I IBRMARK="" S IBCNT2=IBCNT2+1 I IBRMARK="" S IBCNT1=IBCNT1+1 OPCHKQ K IBANY,IBRMARK,VAEL,VA,IBOEDATA,IBVSIT,DFN,X,Y Q ; BULL ; -- send bulletin ; S XMSUB="Outpatient Encounters added to Claims Tracking Complete" S IBT(1)="The process to automatically add Opt Encounters has successfully completed." S IBT(1.1)="" S IBT(2)=" Start Date: " _ \$\$DAT1^IBOUTL(IVTSBDT)	

Routine Name	IBTRKR5		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Related Options			
Related Routines	Routines "Called By"	Routines "Called"	
	IBTRKR	IBTRKR31	
Requirement Traceability Matrix		classification text for reason not billable	
Data Dictionary (DD) References	^RMPPR(660		
Related Protocols			
Related Integration Control Registrations (ICRs)			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine		
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine		
Current Logic			
<pre> IBTRKR5 ;ALB/AAS - CLAIMS TRACKING - ADD/TRACK PROSTHETICS ;13-JAN-94 ;2.0;INTEGRATED BILLING;**13,260,312,339,389**;21-MAR-94;Build 6 ;Per VHA Directive 2004-038, this routine should not be modified. ; % ; -- entry point for nightly background job N IBTSBDT,IBTSED S IBTSBDT=\$FMADD^XLFD(T,DT,-30)-.1 S IBTSED=\$FMADD^XLFD(T,DT,-3)+.9 D EN1 Q ; EN ; -- entry point to ask date range N IBSWINFO S IBSWINFO=\$\$SWSTAT^IBBAP() ;IB*2.0*312 N IBBDT,IBEDT,IBTSBDT,IBTSED,IBTALK S IBTALK=1 I '\$P(\$G(^IBE(350.9,1,6)),^),4) W !,"I'm sorry, Tracking of Prosthetics is currently turned off." G ENQ W !,"Select the Date Range of Prosthetics to Add to Claims Tracking.",! D DATE^IBOUTL I IBBDT<1!(IBEDT<1) G ENQ S IBTSBDT=IBBDT,IBTSED=IBEDT ; ; -- check selected dates ;IB*2.0*312 ; Do NOT PROCESS on VistA if Start or End>=Switch Eff Dt ;CCR-930 I +IBSWINFO,((IBTSBDT+1)>\$P(IBSWINFO,"^",2))!((IBTSED+1)>\$P(IBSWINFO,"^",2)) D G EN .W !,"The Begin OR End Date CANNOT be on or after the PFSS Effective date" .W " :",\$FMTE^XLFD(\$P(IBSWINFO,"^",2)) ; S IBTRKR=\$G(^IBE(350.9,1,6)) </pre>			

Routine Name	IBTRKR5
	<pre> ; start date can't be before parameters I +IBTRKR,IBTSBDT<+IBTRKR S IBTSBDT=IBTRKR W !,"Begin date is before Claims Tracking Start Date, changed to ",\$\$DAT1^IBOUTL(IBTSBDT) ; -- end date into future I IBTSED>\$\$FMADD^XLFD(DT,-3) W !,"I'll automatically change the end date to 3 days prior to the date queued to run." ; W !!!,"I'm going to automatically queue this off and send you a" W !,"mail message when complete.",! S ZTIO="",ZTRTN="EN1^IBTRKR5",ZTSAVE("IB*")="",ZTDESC="IB - Add Prosthetics to Claims Tracking" D ^%ZTLOAD I \$G(ZTSK) K ZTSK W !,"Request Queued" ENQ K ZTSK,ZTIO,ZTSAVE,ZTDESC,ZTRTN D HOME^%ZIS Q ; EN1 ; -- add prosthetics to claims tracking file N I,J,X,Y,IBTRKR,IBDT,DFN,IBDATA,IBCNT,IBCNT1,IBCNT2,IBDTS N IBSWINF S IBSWINF=\$\$SWSTAT^IBBAP() ;IB*2.0*312 ; ; -- check parameters S IBTRKR=\$G(^IBE(350.9,1,6)) G:\$P(IBTRKR,"^",5) EN1Q ; quit if prosthetics tracking off I +IBTRKR,IBTSBDT<+IBTRKR S IBTSBDT=IBTRKR ; start date can't be before parameters ; ; -- users can queue into future, make sure dates not after date run I IBTSED>\$\$FMADD^XLFD(DT,-3) S IBMESS="(Selected end date of "_\$DAT1^IBOUTL(IBTSED)" automatically changed to "_\$DAT1^IBOUTL(\$\$FMADD^XLFD(DT,- 3))_"",IBTSED=\$\$FMADD^XLFD(DT,-3) ; ;S IBPRTYP=\$O(^IBE(356.6,"AC",3,0)) ; this is the event type pointer for prosthetics ; ; -- cnt= total count, cnt1=count added nsc, cnt2=count of pending S (IBCNT,IBCNT1,IBCNT2)=0 S (IBDTS,IBDT)=IBTSBDT-.0001 ; ; loop twice, once for shipmnet date (new search), and once for ; delivery date (old search) for backward compatibility. F S IBDT=\$O(^RMPR(660,"AF",IBDT)) Q:IBDT!(IBDT>IBTSED) D .; Do NOT PROCESS on Vista if IBDT>=Switch Eff Date ;CCR-930 .I +IBSWINF,(IBDT+1)>\$P(IBSWINF,"^",2) Q ;IB*2.0*312 .S IBDA=0 F S IBDA=\$O(^RMPR(660,"AF",IBDT,IBDA)) Q:IBDA D PRCHK ; ; reset date and do old check S IBDT=IBDTS F S IBDT=\$O(^RMPR(660,"CT",IBDT)) Q:IBDT!(IBDT>IBTSED) D .; Do NOT PROCESS on Vista if IBDT>=Switch Eff Date ;CCR-930 .I +IBSWINF,(IBDT+1)>\$P(IBSWINF,"^",2) Q ;IB*2.0*312 .S IBDA="" F S IBDA=\$O(^RMPR(660,"CT",IBDT,IBDA)) Q:IBDA D PRCHK ; I \$G(IBTALK) D BULL ;^IBTRKR51 EN1Q I \$D(ZTQUEUED) S ZTREQ="@ " Q ; </pre>

Routine Name	IBTRKR5
<pre> PRCHK ; -- check and add item N IBE,IBP,IBDX,IBRMARK,IBARR,IBT S IBCNT=IBCNT+1,IBRMARK="" I '\$D(ZTQUEUED),(\$G(IBTALK)) W " ." ; S IBDATA=\$G(^RMPR(660,+IBDA,0)) Q:IBDATA="" S DFN=\$P(IBDATA,"^",2) Q:DFN D CL^SDCO21(DFN,IBDT,"",IBARR) ; ; -- checks copied from rmpbil v2.0 /feb 2, 1994 Q:'\$D(^RMPR(660,+IBDA,"AM")) Q:\$P(^RMPR(660,+IBDA,0),U,9)=""!(\$P(^0,U,12)=""!(\$P(^0,U,14)="V")!(\$P(^0,U,2)=""!(\$P(^0,U,15)=" *)" ;Q:(\$P(^RMPR(660,+IBDA,"AM"),U,3)=2!(\$P(^("AM"),U,3)=3) ; ; I \$O(^IBT(356,"APRO",IBDA,0)) G PRCHKQ ; already in claims tracking ; ; -- see if tracking only insured and pt is insured I \$P(IBTRKR,"^",5)=1,\$\$INSURED^IBCNS1(DFN,IBDT) G PRCHKQ ; patient not insure ; ; -- if clasifications required, check exemptions I '\$D(IBARR) G CLQ S IBE=0 F IBP=1:1:4 S IBDX(IBP)=\$G(^RMPR(660,+IBDA,"BA"_IBP)) I IBDX(IBP) S IBE=1 I 'IBE S IBRMARK="NEEDS SC DETERMINATION" G CLQ ; no ICD node in RMPR, use old method of determining status S IBE=0 F S IBE=\$O(IBARR(IBE)) Q:'IBE!(\$L(\$G(IBRMARK))) F IBP=1:1:4 Q:\$L(\$G(IBRMARK)) I IBDX(IBP) IBRMARK=\$S(\$P(IBDX(IBP),"^",IBE+1):\$P(\$T(CLTXT+IBE),"",3),\$P(IBDX(IBP),"^",IBE+1)=0:"",1:"NEEDS SC DETERMINATION") ; ; CLQ ; -- ok to add to tracking module D PRO^IBTUTL1(DFN,IBDT,IBDA,\$G(IBRMARK)) I '\$D(ZTQUEUED),\$G(IBTALK) W "+" I \$G(IBRMARK)'="" S IBCNT2=IBCNT2+1 I \$G(IBRMARK)="" S IBCNT1=IBCNT1+1 K VAE,VA,IBDATA,DFN,X,Y PRCHKQ Q ; BULL ; -- send bulletin ; S XMSUB="Prosthetic Items added to Claims Tracking Complete" S IBT(1)="The process to automatically add Prosthetic Items has successfully completed." S IBT(1.1)="" S IBT(2)=" Start Date: " _ \$DAT1^IBOUTL(IBTSBDT) S IBT(3)=" End Date: " _ \$DAT1^IBOUTL(IBTSEDT) I \$D(IBMESS) S IBT(3.1)=IBMESS S IBT(4)="" S IBT(5)=" Total Prosthetics Items checked: " _ \$G(IBCNT) S IBT(6)="Total NSC Prosthetic Items Added: " _ \$G(IBCNT1) S IBT(7)=" Total SC Prosthetic Items Added: " _ \$G(IBCNT2) S IBT(8)="" S IBT(9)="*The items added as SC require determination and editing to be billed" </pre>	

Routine Name	IBTRKR5
D SEND^IBTRKR31 BULLQ Q ; CLTXT ; classification text for reason not billable ;;AGENT ORANGE ;;IONIZING RADIATION ;;SC TREATMENT ;;SOUTHWEST ASIA ;;MILITARY SEXUAL TRAUMA ;;HEAD/NECK CANCER ;;COMBAT VETERAN	

4.3.3. Routines (Entry Points – Clinical Reminders)

The following routines (PXRMMSER and PXRMP11I) will be used to modify the Clinical Reminders.

Routine Name	PXRMMSER	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	PXRM	PXRMDATE,XLFDT
Requirement Traceability Matrix		The system shall provide a capability to display the Camp Lejeune eligibility.
Data Dictionary (DD) References	PATIENT FILE#2	
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine	
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine	

Routine Name	PXRMMSER
Current Logic	
<pre> PXRMMSER ; SLC/PKR - Computed findings for military service information. ;04/24/2009 ;;2.0;CLINICAL REMINDERS;**11,12**;Feb 04, 2005;Build 73 ; ;===== AORANGE(DFN,NGET,BDT,EDT,NFOUND,TEST,DATE,DATA,TEXT) ;This computed ;finding will be true if the agent orange exposure registration ;date is in the date range specified by Beginning Date/Time ;and Ending Date/Time. N RDATE S NFOUND=0 D GETSVCD(DFN) S TEST=^TMP(\$J,"SVC",DFN,2) I TEST Q S RDATE=+\$P(^TMP(\$J,"SVC",DFN,2,1),U,1) I (RDATE=0)!(RDATE<BDT)!(RDATE>EDT) S TEST=0 Q S NFOUND=1 S TEST(NFOUND)=1,DATE(NFOUND)=RDATE S (DATA(NFOUND,"VALUE"),DATA(NFOUND,"LOCATION"))=\$P(^TMP(\$J,"SVC",DFN,2,5),U,2) S TEXT(NFOUND)="Agent orange exposure registration date: " _\$FMTE^XLFD(TDATE,"5Z") _"; location: " _DATA(NFOUND,"LOCATION") Q ; ;===== COMBAT(DFN,NGET,BDT,EDT,NFOUND,TEST,DATE,DATA,TEXT) ;This computed ;finding will be true if combat service is found in the ;date range the date range specified by Beginning Date/Time ;and Ending Date/Time. N FDATE,TDATE S NFOUND=0 D GETSVCD(DFN) S TEST=^TMP(\$J,"SVC",DFN,5) I TEST Q S FDATE=\$P(^TMP(\$J,"SVC",DFN,5,1),U,1) S TDATE=\$P(^TMP(\$J,"SVC",DFN,5,2),U,1) I \$\$OVERLAP^PXRMDX(FDATE,TDATE,BDT,EDT)'="O" S TEST=0 Q S NFOUND=1 S TEST(NFOUND)=1,DATE(NFOUND)=FDATE S (DATA(NFOUND,"VALUE"),DATA(NFOUND,"LOCATION"))=\$P(^TMP(\$J,"SVC",DFN,5,3),U,2) S TEXT(NFOUND)="Combat service from " _\$FMTE^XLFD(FDATE,"5Z") _" to " _\$FMTE^XLFD(TDATE,"5Z") _"; location: " _DATA(NFOUND,"LOCATION") Q ; ;===== CVELIG(DFN,NGET,BDT,EDT,NFOUND,TEST,DATE,DATA,TEXT) ;Computed finding for ;combat vet eligibility data. N CV,EDATE,ELIG,RESULT ;DBIA #4156 S RESULT=\$\$CVEDT^DGC(DFN,\$\$NOW^PXRMDATE) ;RESULT=(1,0,-1)^End Date (if populated, otherwise null)^CV ; (piece 1) 1 - qualifies as a CV ; 0 - does not qualify as a CV ; -1 - bad DFN or date </pre>	

Routine Name	PXRMMSER
<pre> ; (piece 3) 1 - vet was eligible on date specified (or DT) ; 0 - vet was not eligible on date specified (or DT) S CV=\$P(RESET,U,1),EDATE=\$P(RESET,U,2),ELIG=\$P(RESET,U,3) I'CV S NFOUND=0 Q S NFOUND=1 S TEST(NFOUND)=CV,DATE(NFOUND)=\$\$NOW^PXRMDATE S TEXT(NFOUND)="End date is " _ \$FMTE^XLFD(TDATE,"5Z") S DATA(NFOUND,"END DATE")=EDATE S DATA(NFOUND,"VALUE")=\$S(ELIG:"ELIGIBLE",1:"EXPIRED") S DATA(NFOUND,"STATUS")=DATA(NFOUND,"VALUE") Q ; ===== DISCHDT(DFN,TEST,DATE,VALUE,TEXT) ;This computed finding will return ;the most recent service separation date. N BRANCH,TEMP ;DBIA #5264 S TEMP=\$G(^DPT(DFN,.32)) S VALUE=\$P(TEMP,U,7) I VALUE="" S TEST=0 Q S DATE=VALUE,TEST=1 S BRANCH=\$P(TEMP,U,5) S TEXT="Last Service Separation date: " _ \$FMTE^XLFD(TDATE,"5Z") I BRANCH="" S TEXT=TEXT _ "; Branch of Service: " _ \$EXTERNAL^DILFD(2,.325,"",BRANCH) Q ; ===== GETSVCD(DFN) ;Get the SVC^VADPT service data. I \$D(^TMP(\$J,"SVC",DFN)) Q N VAERR,VAROOT S VAROOT="^TMP(\$J,""SVC""",DFN)" D SVC^VADPT Q ; ===== OEF(DFN,NGET,BDT,EDT,NFOUND,TEST,DATE,DATA,TEXT) ;This computed ;finding will return OEF service information in the date range ;specified by Beginning Date/Time and Ending Date/Time. N FDATE,IND,SDIR,TDATE,TEMP S NFOUND=0 S SDIR=\$S(NGET<0:1,1:-1) S NGET=\$S(NGET<0:-NGET,1:NGET) D GETSVCD(DFN) I ^TMP(\$J,"SVC",DFN,12)=0 Q S IND="" F S IND=\$O(^TMP(\$J,"SVC",DFN,12,IND)) Q:IND="" D . S FDATE=\$P(^TMP(\$J,"SVC",DFN,12,IND,2),U,1) . I FDATE="" Q . S TDATE=\$P(^TMP(\$J,"SVC",DFN,12,IND,3),U,1) . I \$\$OVERLAP^PXRMINDEX(FDATE,TDATE,BDT,EDT)="" Q . S TEMP(FDATE,"TEST")=1 . S TEMP(FDATE,"DATA","LOCATION")=\$P(^TMP(\$J,"SVC",DFN,12,IND,1),U,2) . S TEMP(FDATE,"TEXT")="OEF service from " _ \$FMTE^XLFD(TDATE,"5Z") _ " to " _ \$FMTE^XLFD(TDATE,"5Z") "; location: " TEMP(FDATE,"DATA","LOCATION") S FDATE="" </pre>	

Routine Name	PXRMMSER
	<pre> F S FDATE=\$O(TEMP(FDATE),SDIR) Q:(FDATE="")!(NFOUND=NGET) D . S NFOUND=NFOUND+1 . S TEST(NFOUND)=TEMP(FDATE,"TEST"),DATE(NFOUND)=FDATE . S (DATA(NFOUND,"VALUE"),DATA(NFOUND,"LOCATION"))=TEMP(FDATE,"DATA","LOCATION") . S TEXT(NFOUND)=TEMP(FDATE,"TEXT") Q ; ===== OIF(DFN,NGET,BDT,EDT,NFOUND,TEST,DATE,DATA,TEXT) ;This computed ;finding will return OIF service information in the date range ;specified by Beginning Date/Time and Ending Date/Time. N FDATE,IND,SDIR,TDATE,TEMP S NFOUND=0 S SDIR=\$S(NGET<0:1,1:-1) S NGET=\$S(NGET<0:-NGET,1:NGET) D GETSVCD(DFN) I ^TMP(\$J,"SVC",DFN,11)=0 Q S IND="" F S IND=\$O(^TMP(\$J,"SVC",DFN,11,IND)) Q:IND="" D . S FDATE=\$P(^TMP(\$J,"SVC",DFN,11,IND,2),U,1) . I FDATE="" Q . S TDATE=\$P(^TMP(\$J,"SVC",DFN,11,IND,3),U,1) . I \$\$OVERLAP^PXRMINDX(FDATE,TDATE,BDT,EDT)="O" Q . S TEMP(FDATE,"TEST")=1 . S TEMP(FDATE,"DATA","LOCATION")=\$P(^TMP(\$J,"SVC",DFN,11,IND,1),U,2) . S TEMP(FDATE,"TEXT")="OIFF service from " _\$FMTE^XLFD(TDATE,"5Z") _" to " _\$FMTE^XLFD(TDATE,"5Z") _"; location: " TEMP(FDATE,"DATA","LOCATION") S FDATE="" F S FDATE=\$O(TEMP(FDATE),SDIR) Q:(FDATE="")!(NFOUND=NGET) D . S NFOUND=NFOUND+1 . S TEST(NFOUND)=TEMP(FDATE,"TEST"),DATE(NFOUND)=FDATE . S (DATA(NFOUND,"VALUE"),DATA(NFOUND,"LOCATION"))=TEMP(FDATE,"DATA","LOCATION") . S TEXT(NFOUND)=TEMP(FDATE,"TEXT") Q ; ===== PHEART(DFN,TEST,DATE,VALUE,TEXT) ;Single value computed finding for ;purple heart data. N CV,EDATE,ELIG,RESULT D GETSVCD(DFN) S TEST=^TMP(\$J,"SVC",DFN,9) I TEST Q S DATE=\$\$NOW^PXRMDATE S VALUE="" S TEXT="Patient is a Purple Heart recipient." Q ; ===== POW(DFN,NGET,BDT,EDT,NFOUND,TEST,DATE,DATA,TEXT) ;This computed ;finding will be true if the patient was a POW in the date range ;specified by Beginning Date/Time and Ending Date/Time. N FDATE,TDATE </pre>

Routine Name	PXRMMSER
	<pre> S NFOUND=0 D GETSVCD(DFN) S TEST=^TMP(\$J,"SVC",DFN,4) I 'TEST Q S FDATE=\$P(^TMP(\$J,"SVC",DFN,4,1),U,1) S TDATE=\$P(^TMP(\$J,"SVC",DFN,4,2),U,1) I \$\$OVERLAP^PXRMINDEX(FDATE,TDATE,BDT,EDT)='O' S TEST=0 Q S NFOUND=1 S TEST(NFOUND)=1,DATE(NFOUND)=FDATE S (DATA(NFOUND,"VALUE"),DATA(NFOUND,"LOCATION"))=\$P(^TMP(\$J,"SVC",DFN,4,3),U,2) S TEXT(NFOUND)="Patient was a POW from " _\$FMTE^XLFD(TDATE,"5Z")_ " to " _\$FMTE^XLFD(FDATE,"5Z")_ "; location: " _DATA(NFOUND,"LOCATION") Q ; ;===== RADEXP(DFN,NGET,BDT,EDT,NFOUND,TEST,DATE,DATA,TEXT) ;;This computed ;finding will be true if the radiation exposure registration ;date is in the date range specified by Beginning Date/Time ;and Ending Date/Time. N RDATE S NFOUND=0 D GETSVCD(DFN) S TEST=^TMP(\$J,"SVC",DFN,3) I 'TEST Q S RDATE=\$P(^TMP(\$J,"SVC",DFN,3,1),U,1) I (RDATE<BDT)!(RDATE>EDT) S TEST=0 Q S NFOUND=1 S TEST(NFOUND)=1,DATE(NFOUND)=RDATE S (DATA(NFOUND,"VALUE"),DATA(NFOUND,"EXPOSURE METHOD"))=\$P(^TMP(\$J,"SVC",DFN,3,2),U,2) S TEXT(NFOUND)="Radiation exposure registration date: " _\$FMTE^XLFD(RDATE,"5Z")_ "; exposure method: " _DATA(NFOUND,"EXPOSURE METHOD") Q ; ;===== SBRANCH(DFN,NGET,BDT,EDT,NFOUND,TEST,DATE,DATA,TEXT) ;This computed ;finding will return service branch information for a maximum of ;three service periods in the date range specified by BDT and EDT. N FDATE,IND,LE,SDIR,SVC,TDATE,TEMP ;DBIA #5264 S TEMP=\$G(^DPT(DFN,.32)) ;Save the data in the same nodes as SVC^VADPT S SVC(6,1)=\$P(TEMP,U,5) S SVC(6,2)=\$P(TEMP,U,8) S SVC(6,3)=\$P(TEMP,U,4) S SVC(6,4)=\$P(TEMP,U,6) S SVC(6,5)=\$P(TEMP,U,7) S SVC(6)=\$S(SVC(6,4)&SVC(6,5):1,1:0) S SVC(7,1)=\$P(TEMP,U,10) S SVC(7,2)=\$P(TEMP,U,13) S SVC(7,3)=\$P(TEMP,U,14) S SVC(7,4)=\$P(TEMP,U,11) S SVC(7,5)=\$P(TEMP,U,12) S SVC(7)=\$S(SVC(7,4)&SVC(7,5):1,1:0) </pre>

Routine Name	PXRMMSER
	<pre> S SVC(8,1)=\$P(TEMP,U,15) S SVC(8,2)=\$P(TEMP,U,18) S SVC(8,3)=\$P(TEMP,U,14) S SVC(8,4)=\$P(TEMP,U,16) S SVC(8,5)=\$P(TEMP,U,17) S SVC(8)=\$S(SVC(8,4)&SVC(8,5):1,1:0) S TEMP=\$G(^DPT(DFN,3291)) S SVC(6,6)=\$P(TEMP,U,1) S SVC(7,6)=\$P(TEMP,U,2) S SVC(8,6)=\$P(TEMP,U,3) S NFOUND=0 S IND=\$S(NGET<0:9,1:5) S SDIR=\$S(NGET>0:1,1:-1) S NGET=\$S(NGET<0:-NGET,1:NGET) I NGET>3 S NGET=3 F S IND=\$O(SVC(IND),SDIR) Q:(IND="")(NFOUND=NGET) D . S TEST=SVC(IND) . I 'TEST Q . S FDATE=SVC(IND,4) . S TDATE=SVC(IND,5) . I \$\$OVERLAP^PXRMINDEX(FDATE,TDATE,BDT,EDT)'="O" Q . S NFOUND=NFOUND+1 . S TEST(NFOUND)=1,DATE(NFOUND)=FDATE . S DATA(NFOUND,"BRANCH")=\$\$EXTERNAL^DILFD(2,,325,"",SVC(IND,1)) . S (DATA(NFOUND,"VALUE"),DATA(NFOUND,"DISCHARGE TYPE"))=\$\$EXTERNAL^DILFD(2,,324,"",SVC(IND,3)) . S DATA(NFOUND,"ENTRY DATE")=FDATE . S DATA(NFOUND,"SEPARATION DATE")=TDATE . S DATA(NFOUND,"SERVICE COMPONENT")=\$\$EXTERNAL^DILFD(2,,32911,"",SVC(IND,6)) . S TEXT(NFOUND)="Service from " _ \$\$FMTE^XLFD(TDATE,"5Z")_ " to " _ \$\$FMTE^XLFD(TDATE,"5Z")_ " in " _ DATA(NFOUND,"BRANCH")_ "; discharge " _ DATA(NFOUND,"DISCHARGE TYPE") Q ; ;===== UNKOEIF(DFN,NGET,BDT,EDT,NFOUND,TEST,DATE,DATA,TEXT) ;This computed ;finding will return unknown OEF/OIF service information in the date ;range specified by Beginning Date/Time and Ending Date/Time. N FDATE,IND,SDIR,TDATE,TEMP S NFOUND=0 S SDIR=\$S(NGET<0:1,1:-1) S NGET=\$S(NGET<0:-NGET,1:NGET) D GETSVCD(DFN) I ^TMP(\$J,"SVC",DFN,13)=0 Q S IND="" F S IND=\$O(^TMP(\$J,"SVC",DFN,13,IND)) Q:IND="" D . S FDATE=\$P(^TMP(\$J,"SVC",DFN,13,IND,2),U,1) . I FDATE="" Q . S TDATE=\$P(^TMP(\$J,"SVC",DFN,13,IND,3),U,1) . I \$\$OVERLAP^PXRMINDEX(FDATE,TDATE,BDT,EDT)'="O" Q . S TEMP(FDATE,"TEST")=1 . S TEMP(FDATE,"DATA","LOCATION")=\$P(^TMP(\$J,"SVC",DFN,13,IND,1),U,2) . S TEMP(FDATE,"TEXT")="OEF/OIF service from " _ \$\$FMTE^XLFD(TDATE,"5Z")_ " to " _ \$\$FMTE^XLFD(TDATE,"5Z")_ "; location: " TEMP(FDATE,"DATA","LOCATION") </pre>

Routine Name	PXRMMSER
<pre> S FDATE="" F S FDATE=\$O(TEMP(FDATE),SDIR) Q:(FDATE="")!(NFOUND=NGET) D . S NFOUND=NFOUND+1 . S TEST(NFOUND)=TEMP(FDATE,"TEST"),DATE(NFOUND)=FDATE . S (DATA(NFOUND,"VALUE"),DATA(NFOUND,"LOCATION"))=TEMP(FDATE,"DATA","LOCATION") . S TEXT(NFOUND)=TEMP(FDATE,"TEXT") Q ; ===== VIET(DFN,NGET,BDT,EDT,NFOUND,TEST,DATE,DATA,TEXT) ;This computed will be ;true if Vietnam service in the date range specified by BDT and EDT ;is found. Note even though it is a multi structure it can only ;return one occurrence. N FDATE,TDATE S NFOUND=0 D GETSVCD(DFN) S TEST=^TMP(\$J,"SVC",DFN,1) I TEST Q S FDATE=\$P(^TMP(\$J,"SVC",DFN,1,1),U,1) S TDATE=\$P(^TMP(\$J,"SVC",DFN,1,2),U,1) I \$\$OVERLAP^PXRMINDEX(FDATE,TDATE,BDT,EDT)'="O" S TEST=0 Q S NFOUND=1 S TEST(NFOUND)=1,DATE(NFOUND)=FDATE S TEXT(NFOUND)="Vietnam service from " _\$FMTE^XLFD(TDATE,"5Z")_ " to " _\$FMTE^XLFD(FDATE,"5Z") Q ; ===== VETERAN(DFN,TEST,DATE,VALUE,TEXT) ;Computed finding for checking if a ;patient is a veteran. N VAEL S DATE=\$\$NOW^PXRMDATE D ELIG^VADPT S TEST=VAEL(4) S VALUE="" D KVA^VADPT Q ; </pre>	

Routine Name	PXRMP11I		
Enhancement Category	<input type="checkbox"/> New	<input checked="" type="checkbox"/> Modify	<input type="checkbox"/> Delete <input type="checkbox"/> No Change
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	PXRMP11	VALM1	
Requirement Traceability Matrix		The system shall provide a capability to display the Camp Lejeune eligibility.	
Data Dictionary (DD)	PATIENT FILE#2		

Routine Name	PXRMP11I
References	
Related Protocols	
Related Integration Control Registrations (ICRs)	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine
Current Logic	
<pre> PXRMP11I ; SLC/PKR - Inits for PXRMP*2.0*11 ;09/15/2008 ;;2.0;CLINICAL REMINDERS;**11**;Feb 04, 2005;Build 39 Q ;===== CFINC(Y) ;List of computed findings to include in the build. N CFLIST,CFNAME S CFLIST("VA-AGENT ORANGE EXPOSURE")="" S CFLIST("VA-COMBAT SERVICE")="" S CFLIST("VA-COMBAT VET ELIGIBILITY")="" S CFLIST("VA-OEF SERVICE")="" S CFLIST("VA-OIF SERVICE")="" S CFLIST("VA-LAST SERVICE SEPARATION DATE")="" S CFLIST("VA-POW")="" S CFLIST("VA-PURPLE HEART")="" S CFLIST("VA-SERVICE BRANCH")="" S CFLIST("VA-UNKNOWN OEF/OIF SERVICE")="" S CFLIST("VA-VETERAN")="" S CFNAME=\$P(^PXRMD(811.4,Y,0),U,1) Q \$\$(\$D(CFLIST(CFNAME)):1,1:0) ; ;===== DELDD ;Delete the old data dictionaries. N DIU,TEXT D EN^DDIOL("Removing old data dictionaries.") S DIU(0)="" F DIU=810.9 D . S TEXT=" Deleting data dictionary for file # "_DIU . D EN^DDIOL(TEXT) . D EN^DIU2 Q ; ;===== DRADCF ;Delete the radiation exposure computed finding entry from ;test sites. N DA,DIK S DA=+\$O(PXD(811.4,"B","VA-RADIATION EXPOSURE","")) I DA=0 Q S DIK="^PXD(811.4," D ^DIK Q </pre>	

Routine Name	PXRMP11I
<pre> ; ;===== D TO ITEMS ;Delete the transport only items. N IEN,TEXT S IEN=+\$O(^PXD(811.9,"B","PATCH 11 ITEMS","")) I IEN>0 D . S TEXT="Removing PATCH 11 ITEMS transport reminder." . D MES^XPDUTL(.TEXT) . D DELETE^PXRMEFXI(811.9,IEN) S IEN=+\$O(^PXRMD(801.41,"B","PATCH 11 DIALOG","")) I IEN>0 D . S TEXT="Removing PATCH 11 DIALOG transport dialog." . D MES^XPDUTL(.TEXT) . D DELETE^PXRMEFXI(801.41,IEN) Q ; ;===== D FFFIX ;Rebuild all function finding internal data structures to correct ;possible pointer errors. N DA,IEN,X D BMES^XPDUTL("Rebuilding Function Finding internal data structures.") S IEN=0 F S IEN=+\$O(^PXD(811.9,IEN)) Q:IEN=0 D . I '\$D(^PXD(811.9,IEN,25)) Q . S DA(1)=IEN,DA=0 . F S DA=+\$O(^PXD(811.9,IEN,25,DA)) Q:DA=0 D .. S X=\$G(^PXD(811.9,IEN,25,DA,3)) .. D FFKILL^PXRMEFXDB(X,DA) .. D FFBUILD^PXRMEFXDB(X,DA) Q ; ;===== D INI LOCS ;Initialize the new field EXCL LOCS WITH NO CREDIT STOP. N IND,JND S IND=0 F S IND=+\$O(^PXRMD(810.9,IND)) Q:IND=0 D . S JND=0 . F S JND=+\$O(^PXRMD(810.9,IND,40.7,JND)) Q:JND=0 S ^PXRMD(810.9,IND,40.7,JND,3)=" Q ; ;===== D PRE ;These are the pre-installation actions ;Disable options and protocols D OPTION^PXRMEFXI("DISABLE") D PROTOCOL^PXRMEFXI("DISABLE") ;Delete existing exchange file entries. D DELEXI^PXRMP11E ;Delete the old DDs. D DELDD Q ; ;===== D POST ;These are the post-installation actions D FFFIX^PXRMP11I </pre>	

Routine Name	PXRMP11I
<pre> ;Enable options and protocols D OPTION^PXRMITIL("ENABLE") D PROTOCOL^PXRMITIL("ENABLE") D SMEXINS^PXRMP11E D DTOITEMS D DRADCF D INILOCS D UPDDIAL Q ; ===== UPDDIAL ;Update Element VA-MH PCLM with the correct dialog text N DIEN S DIEN=\$O(^PXRMD(801.41,"B","VA-MH PCLM","")) Q:DIEN">0 S ^PXRMD(801.41,DIEN,25,1,0)="PCL-M" Q ; </pre>	

4.3.4. Routines (Entry Points – Patient Care Encounter)

The following routines (PXBAPI21 and PXBAPI22) will be used to modify the Patient Care Encounter.

Routine Name	PXBAPI21		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	PXBAPI	SDC021,SDM1A,SDCOU2,SDAM2,PXBAPI22	
Requirement Traceability Matrix		The system shall provide a capability to display the Camp Lejeune eligibility.	
Data Dictionary (DD) References	PATIENT FILE#2		
Related Protocols			
Related Integration Control Registrations (ICRs)			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine		
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine		
Current Logic			

Routine Name	PXBAPI21
<pre> PXBAPI21 ;ISL/DCM - API for Classification check out ; 4/13/05 12:55pm ;1.0;PCE PATIENT CARE ENCOUNTER;**130,147,124,184,168**;Aug 12, 1996;Build 14 CLASS(ENCOWNTR,DFN,APTDT,LOC,VISIT) ;Edit classification fields ; Input - ENCOWNTR - ien of ^SCE(ien (409.68 Outpatient Encounter file) ; ENCOWNTR optional if DFN,LOC,APTDT params used ; DFN - ien of ^DPT(DFN, (only used if no ENCOWNTR) ; LOC - ien of ^SC(LOC, (only used if no ENCOWNTR) ; APTDT - Appointment Date/time (only used if no ENCOWNTR) ; VISIT - optional if no ENCOWNTR look for main encounter that ; points to this visit ; Output - PXBDATA(Classification type)=OutPT Class ien^Value ; PXBDATA("ERR",Class type)=1 Bad ptr to 409.41 ; =2 DATA entry not applicable ; =3 DATA entry uneditable ; =4 User ^ out of prompt ; Classification type 1 - Agent Orange ; 2 - Ionizing Radiation ; 3 - Service Connected ; 4 - SW Asia Coditions ; 5 - Military Sexual Trauma ; 6 - Head and/or Neck Cancer ; 7 - Combat Veteran ; 8 - Project 112/SHAD ; ; Ext References: ^SCE(DA,0) INP^SDAM2 ; REQ^SDM1A CLINIC^SDAMU ; EXOE^SDCOU2 CLOE^SDCO21 ; SEQ^SDCO21 CL^SDCO21 ; In ^PXBAPI22 ; ^DG(43,1,"SCLR") piece 24 ; ^SD(409.41,DA,0) ^SD(409.41,DA,2) ; VAL^SDCDD SC^SDCO23 I \$G(ENCOWNTR)>0,\$G(VISIT)>0 D SC^PXCEVFI2(\$P(^AUPNVISIT(VISIT,0),U,5)) D . S ENCOWNTR=\$O(^SCE("AVSIT",VISIT,0)) . I ENCOWNTR,\$P(^SCE(ENCOWNTR,0),"^",6) S ENCOWNTR=\$P(^SCE(ENCOWNTR,0),"^",6) N IEN,IFN,SDCLOEY,ORG,END,DA,X,SQUIT I \$G(ENCOWNTR) Q:'SD(^SCE(+ENCOWNTR,0)) N APTDT,DFN,LOC S END=0,X0=^(0) D ENCHK(ENCOWNTR,X0) Q:END G ON Q:'\$G(DFN)!\$G(LOC)!\$G(APTDT) D SC^PXCEVFI2(DFN) S X=\$G(^DPT(DFN,"S",APTDT,0)) I +X,+X=LOC,\$P(X,"^",20),\$D(^SCE(\$P(X,"^",20),0)) S ENCOWNTR=\$P(X,"^",20),END=0,X0=^(0) D ENCHK(ENCOWNTR,X0) Q:END G ON S END=0 D OPCHK(DFN,LOC,APTDT) I END Q ON D ASKCL(\$G(ENCOWNTR),,SDCLOEY,DFN,APTDT) I '\$D(SDCLOEY) Q I \$G(PXCECAT)="POV" D . I \$P(\$G(PXCEAFTR(800)),"^",1)]""',\$D(SDCLOEY(3)) S \$P(SDCLOEY(3),"^",2)=\$P(PXCEAFTR(800),"^",1) . I \$P(\$G(PXCEAFTR(800)),"^",2)]""',\$D(SDCLOEY(1)) S \$P(SDCLOEY(1),"^",2)=\$P(PXCEAFTR(800),"^",2) . I \$P(\$G(PXCEAFTR(800)),"^",3)]""',\$D(SDCLOEY(2)) S \$P(SDCLOEY(2),"^",2)=\$P(PXCEAFTR(800),"^",3) . I \$P(\$G(PXCEAFTR(800)),"^",4)]""',\$D(SDCLOEY(4)) S </pre>	

Routine Name	PXBAPI21
	<pre> \$P(SDCLOEY(4),"^",2)=\$P(PXCEAFTR(800),"^",4) .I \$P(\$G(PXCEAFTR(800)),"^",5)]""\$,SD(SDCLOEY(5)) S \$P(SDCLOEY(5),"^",2)=\$P(PXCEAFTR(800),"^",5) .I \$P(\$G(PXCEAFTR(800)),"^",6)]""\$,SD(SDCLOEY(6)) S \$P(SDCLOEY(6),"^",2)=\$P(PXCEAFTR(800),"^",6) .I \$P(\$G(PXCEAFTR(800)),"^",7)]""\$,SD(SDCLOEY(7)) S \$P(SDCLOEY(7),"^",2)=\$P(PXCEAFTR(800),"^",7) .I \$P(\$G(PXCEAFTR(800)),"^",8)]""\$,SD(SDCLOEY(8)) S \$P(SDCLOEY(8),"^",2)=\$P(PXCEAFTR(800),"^",8) .I \$D(SDCLOEY) D ASK(\$G(ENCOWNTR),,SDCLOEY,,SQUIT) Q:\$D(SQUIT) Q ASKCL(ENCOWNTR,SDCLOEY,DFN,APTD) ;Ask classifications on check out .I \$G(ENCOWNTR) D CLOE^SDCO21(ENCOWNTR,,SDCLOEY) Q D CL^SDCO21(DFN,APTD,"",,SDCLOEY) Q ASK(ENCOWNTR,SDCLOEY,SQUIT) ;Ask classifications N I,IOINH,IOINORM,TYPI,TYPSEQ,CTS,X,PXVST S X="IOINH,IOINORM" D ENDR^%ZISS I \$D(SDCLOEY) Q W !,"--- ",IOINH,"Classification",IOINORM," --- [" ,IOINH,"Required",IOINORM,"]" W ! S TYPSEQ=\$\$SEQ^SDCO21 ;Get classification type sequence (3,1,2,4,5,6,7) F CTS=1:1 S TYPI=+\$P(TYPSEQ,"",CTS) Q:TYPI!(\$D(SQUIT)) D .I \$D(SDCLOEY(TYPI)) D ..S PXVST=\$P(\$G(X0),U,5) I 'PXVST,(\$G(PXCECAT)="VST")!(\$G(PXCECAT)="SIT") Q ..I \$G(PXCECAT)="VST",TYPI=3,(\$P(\$G(^AUPNVSIT(PXVST,800)),U,11)="1") Q ..I \$G(PXCECAT)="VST",TYPI=1,(\$P(\$G(^AUPNVSIT(PXVST,800)),U,12)="1") Q ..I \$G(PXCECAT)="VST",TYPI=2,(\$P(\$G(^AUPNVSIT(PXVST,800)),U,13)="1") Q ..I \$G(PXCECAT)="VST",TYPI=4,(\$P(\$G(^AUPNVSIT(PXVST,800)),U,14)="1") Q ..I \$G(PXCECAT)="VST",TYPI=5,(\$P(\$G(^AUPNVSIT(PXVST,800)),U,15)="1") Q ..I \$G(PXCECAT)="VST",TYPI=6,(\$P(\$G(^AUPNVSIT(PXVST,800)),U,16)="1") Q ..I \$G(PXCECAT)="VST",TYPI=7,(\$P(\$G(^AUPNVSIT(PXVST,800)),U,17)="1") Q ..I \$G(PXCECAT)="VST",TYPI=8,(\$P(\$G(^AUPNVSIT(PXVST,800)),U,18)="1") Q ..D ONE^PXBAPI22(TYPI,SDCLOEY(TYPI),ENCOWNTR,,SQUIT) ..I TYPI=3 F I=1,2,4 S:\$D(SDCLOEY(I))&(\$P(\$G(PXBDATA(3)),"^",2)=1) \$P(SDCLOEY(I),"^",3)=1 S:\$P(\$G(PXBDATA(3)),"^",2)=0&(\$D(SDCLOEY(I))) SDCLOEY(I)="" I \$P(\$G(PXBDATA(3)),"^",2)="" D .N END .S END=0 .F CTS=1:1 S TYPI=+\$P(TYPSEQ,"",CTS) Q:TYPI I TYPI=3 D ..I \$P(\$G(PXBDATA(TYPI)),"^",2)="" S END=1 Q .I 'END H I Q ENCHK(ENCOWNTR,X0) ;Do outpatient encounter checks S APTD+=X0,DFN=\$P(X0,"^",2),LOC=\$P(X0,"^",4),ORG=\$P(X0,"^",8),DA=\$P(X0,"^",9) I +\$G(VADM(6)),+\$G(VADM(6))<APTD D K DIR I \$D(DIRUT) S (PXDOD,END)=1 Q .S DIR(0)="E",DIR("A")="Enter RETURN to continue or ^ to Quit" .S DIR("A",2)="WARNING " _ VADM(7),DIR("A",1)=" " ,DIR("A",3)=" " D ^DIR I \$REQ^SDM1A(+X0)="CO" S END=1 Q ;Check MAS Check out date parameter I ORG=1,\$\$CLINIC^SDAMU(+LOC) S END=1 Q ;Screen for valid clinic I ^1^2^["^" _ ORG _ "^"],\$\$INP^SDAM2(+DFN,+X0)="I" S END=1 Q ;Inpat chk I \$EXOE^SDCOU2(ENCOWNTR) S END=1 Q ;Chk exempt Outpt classifications Q OPCHK(DFN,LOC,APTD) ;Do standalone outpatient encounter checks I +\$G(VADM(6)),+\$G(VADM(6))<APTD D K DIR I \$D(DIRUT) S (PXDOD,END)=1 Q </pre>

Routine Name	PXBAPI21
<pre> . S DIR(0)="E",DIR("A")="Enter RETURN to continue or '^' to Quit" . S DIR("A",2)="WARNING " _VADM(7),DIR("A",1)=" " ,DIR("A",3)=" " D ^DIR I \$REQ^SDM1A(APTDT)="CO" S END=1 Q ;Check MAS Check out date parameter I '\$CLINIC^SDAMU(+LOC) S END=1 Q ;Screen for valid clinic I \$INP^SDAM2(+DFN,APTDT)="I" S END=1 Q ;Inpat chk Q TEST ;Test call to CLASS N PXIFN S PXIFN=63 F S PXIFN=\$O(^SCE(PXIFN)) Q:PXIFN<1 S DFN=\$P(^PXIFN,0),"",2) K PXBDATA W !,PXIFN _ " _ \$P(^DPT(DFN,0),"") D S %=1 W !,"Continue " D YN^DICN Q:%'=1 . D CLASS(PXIFN) . ;W ! ZW PXBDATA Q </pre>	

Routine Name	PXBAPI22		
Enhancement Category	<input type="checkbox"/> New	<input checked="" type="checkbox"/> Modify	<input type="checkbox"/> Delete <input type="checkbox"/> No Change
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	PXBAPI21		
Requirement Traceability Matrix		The system shall provide a capability to display the Camp Lejeune eligibility.	
Data Dictionary (DD) References	PATIENT FILE#2		
Related Protocols			
Related Integration Control Registrations (ICRs)			
Data Passing	<input type="checkbox"/> Input	<input type="checkbox"/> Output Reference	<input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine		
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine		
Current Logic			
PXBAPI22 ;ISL/DCM - API for Classification check out ; 16 Oct 2006 9:42 PM ;;1.0;PCE PATIENT CARE ENCOUNTER;**1,26,184,168**;Aug 12, 1996;Build 14 ONE(TYPI,DATA,ENCOWNTR,SQUIT) ;Process One Classification ; Input -- TYPI Outpatient Classification Type IEN ; DATA Null or 409.42 IEN^Internal Value^1=n/a^1=unedt ; ENCOWNTR Outpatient Encounter file IEN (optional) ; Output -- SQUIT User entered '^' or timeout N SDCT0,SDVAL S SDCT0=\$G(^SD(409.41, TYPI,0)) I SDCT0="" S PXBDATA("ERR", TYPI)=1 Q ;Bad entry I \$P(DATA,"^",3) D:DATA S PXBDATA("ERR", TYPI)=2 Q ;Not applicable .W !,\$C(7),">>> " _\$P(SDCT0,"^",6) " is no longer applicable..." .S DA=+DATA,DIK="^SDD(409.42," D ^DIK W "deleted." I DATA,\$P(DATA,"^",4) D S PXBDATA("ERR", TYPI)=3 Q ;Uneditable data			

Routine Name	PXBAPI22
	<pre> . W !,\$P(SDCT0,"^",6)_"_": "\$VAL^SDCODD(TYPI,\$P(DATA,"^",2))_" <Uneditable>" S SDVAL=\$\$VAL(TYPI,SDCT0,DATA) ;Get field value I SDVAL="" S SQUIT="" ,PXBDATA("ERR",TYPI)=4 Q ;user ^ out D STORE(+DATA,SDVAL,TYPI) Q VAL(TYPI,SDCT0,DATA) ;Get Outpatient Classification N DIR,DA,Y,SDXS,SDEF I TYPI=1,\$P(\$G(^DPT(DFN,,321)),"^",2)="Y"!(\$P(\$G(^DPT(DFN,,321)),"^",13)="V") G VALQ I TYPI=2,\$P(\$G(^DPT(DFN,,321)),"^",3)="Y" G VALQ I TYPI=4,\$P(\$G(^DPT(DFN,,322)),"^",13)="Y",\$\$SEC^SDCO22(DFN,ENCOWNTR) G VALQ I TYPI=3,\$P(\$G(^SCE(+G(ENCOWNTR),0)),"^",10)=2 S Y=1 G VALQ ;Change SC to 'yes' ;Automation of the SC response I TYPI=3,(+G(PXD)!(+G(PXDX))) D I Y="" ,G(SDSCEDIT) G VALQ .S SDXS(\$S(+G(PXD):+PXD,1:+G(PXDX)))="" .S Y=\$\$SC^SDSCAPI(DFN,,SDXS,ENCOWNTR,\$G(VISIT)) Q:Y="" .S Y=+Y,SDEF=\$S(Y:"YES",1:"NO") .I 'G(SDSCEDIT) D ..W !,\$S(\$P(SDCT0,"^",2))"":\$P(SDCT0,"^",2),1:\$P(SDCT0,"^"),"? " ..W \$S(Y:"YES",1:"NO") REASK S DIR("A")=\$S(\$P(SDCT0,"^",2))"":\$P(SDCT0,"^",2),1:\$P(SDCT0,"^") I \$P(DATA,"^",2))""!(\$P(SDCT0,"^",4))"" S DIR("B")=\$S(\$D(SDEF):SDEF,\$P(DATA,"^",2))"":\$VAL^SDCODD(TYPI,\$P(DATA,"^",2)),1:\$P(SDCT0,"^",4)) S DIR(0)=\$P(SDCT0,"^",3)_"O" S:\$D(SDEF) DIR("B")=SDEF I \$D(^SD(409.41,TYPI,2)) S DIR(0)=DIR(0)_"^"(2) I TYPI=3 S DIR("?")="^D SC^SDCO23(DFN)" D ^DIR I \$P(SDCT0,"^",5),\$D(DTOUT),\$P(DATA,"^",2)="" ,Y=""!(Y["^"&(\$P(\$G(^DG(43,1,"SCLR")),,"^",24))) D G REASK .W !,\$C(7),"This is a required response." W:Y["^" " An '^ is not allowed." .K DIRUT,DUOUT I \$D(DIRUT) S Y="" VALQ K DIRUT,DTOUT,DUOUT Q \$G(Y) ; STORE(SDCNI,SDCNV,TYPI) ;File Outpatient Classification ; Input -- SDCNI Outpatient Classification IEN ; SDCNV Outpatient Classification Value ; TYPI Classification type 1 - Agent Orange ; 2 - Ionizing Radiation ; 3 - Service Connected ; 4 - SW Asia Conditions ; Output -- PXBDATA array ; Error codes -- PXBDATA("ERR",TYPI)=1 - Bad ptr to 409.41 in TYPI ; 2 - DATA entry not applicable ; 3 - DATA entry uneditable ; 4 - User ^ out of prompt S PXBDATA(TYPI)=SDCNI_"^"_SDCNV Q </pre>

4.4. Modifications to Reporting

IB/Claims Tracking requires the ability to identify and flag non-billable outpatient encounters and prescriptions related to CL. Claims Tracking display and reports require modifications to include the CL classification.

4.5. Modifications to HELP text, prompts, and instructions

BN 5: Modifications to HELP text, prompts, and instructions:

- 5.1: Ensure all new Camp Lejeune fields added to ES have a HELP Text capability and easy to understand instructions.
- 5.2: Ensure all new Camp Lejeune fields added to VistA have a HELP Text capability (or User help resource) and easy to understand instructions (e.g., REE, CPRS, PCE, Billing).
- 5.3: Provide the ES and VistA Users with data entry validation and consistency check messages to ensure business rules are met (see detailed requirements).

4.6. Registration, Enrollment, and Eligibility (REE)

4.6.1. User Manual Modifications

Updates shall be made, as necessary, to the applicable user manuals and operations and maintenance (O&M) manuals related to the VistA Enrollment applications located on the VA Software Documentation Library. If no user or O&M documentation exists, it shall be produced.

4.6.2. Ability to Enter/Edit a Camp Lejeune Indicator

A VistA user may set a Camp Lejeune Indicator if **all** of the following conditions exist:

- A person is a Veteran **AND** either Rule 1 or Rule 2 is true.
 - Rule 1:
 - Has one Military Service Episode (MSE) between, and inclusive of, January 1, 1957 and December 31, 1987; **AND**
 - The identified MSE has a character of discharge other than dishonorable; **AND**
 - The identified MSE is at least 30 days in duration.
 - Rule 2 (perform this check only if Rule 1 was not met):
 - Has more than one MSE between, and inclusive of, January 1, 1957 and December 31, 1987; **AND**
 - All of the identified MSEs have a character of discharge other than dishonorable; **AND**
 - The sum of two or more of the identified MSEs add up to at least 30 days in duration (meaning that it does not have to be consecutive days).
- A VistA user has the appropriate access to modify enrollment information.

Once these conditions are met and the VistA user determines Camp Lejeune eligibility, the VistA user sets the Camp Lejeune Indicator to either “Yes” or “No.”

Note: ES and VistA Enrollment users will determine if a Veteran was stationed at Camp Lejeune based on the supporting documentation that the Veteran provides.

A VistA user can access the Camp Lejeune Indicator and associated information through the following screens:

- Registration Screens (main registration, load/edit); and
- Patient Enrollment Screen.

4.6.3. Entering Camp Lejeune Information – Registration Screens

Enhancements to the screen in Figure 2 below will permit entering the Camp Lejeune Indicator only if the conditions for Camp Lejeune eligibility have been met. If the Camp Lejeune eligibility has not been met, the “Camp Lejeune” entry will not display. The default answer for this question is “NO.”

Figure 2: Registration Screen

```
LASTNAME, FIRSTNAME; XXX-XX-XXXX
=====
          **** ENVIRONMENTAL FACTORS ****
          =====
[1]      A/O Exp.:      Reg:      Exam:      A/O#:
[2]      ION Rad.:      Reg:      Method:
[3] SW Asia Cond: Reg:      Exam:
[4] N/T Radium:
[5] Camp Lejeune:

SELECT AN ENVIRONMENTAL FACTOR (1-5) OR (Q)UIT: QUIT// 4 Camp Lejeune
Camp Lejeune Indicator: NO// y YES
```

The Camp Lejeune Indicator will reside in the main enrollment file (e.g., Patient File) and enrollment history (e.g., Enrollment History File). The following outlines the current implementation:

1. Veterans previously or currently enrolled in VA Health Care:
 - Modification to existing HEC Alert process to support VA Medical Centers (VAMCs) reporting of Camp Lejeune:
 - Submit all names that were collected through the HEC Alert process (<https://www.va.gov/health-care/hec-alert/>).
 - Attach all pertinent documentation that the Veteran presents to the HEC Alert submission. (Attachments will reside in a secure database for future verification purposes.)
 - Deployment of CLEAR: use CLEAR database for tracking purposes.

Note: VHA is collecting documentation from family members claiming Camp Lejeune eligibility and is securing it in the CLEAR via the HEC Alert process. At this time, however, *VA cannot provide treatment to family members until Congress has appropriated funds for family care and regulations are published.*

2. Veterans not previously enrolled in VA Health care follow established registration processes.

Implementation upon completion of the CL-V project (currently in planning and analysis) will include modifications to existing operations and automation of capturing, determining, and managing Camp Lejeune information throughout VHA programs and applications. These modifications include:

1. Administrative operations applications (e.g., ES, VistA Registration, Integrated Billing, etc.); and
2. Clinical and ancillary applications (e.g., CPRS, Pharmacy, etc.).

4.6.4. Reporting and Analysis Applications

Reporting and Analysis Applications include Corporate Data Warehouse, OPP, decision support systems, etc.

The following is a list of the illnesses and conditions associated with Camp Lejeune for which treatment may be provided.

- Bladder cancer;
- Breast cancer;
- Esophageal cancer;
- Female infertility;
- Hepatic steatosis;
- Kidney cancer;
- Leukemia;
- Lung cancer;
- Miscarriage;
- Multiple myeloma;
- Myelodysplastic syndromes;
- Neurobehavioral effects;
- Non-Hodgkin's lymphoma;
- Renal toxicity; and
- Scleroderma.

4.6.5. Field Definition

The following table provides the field definition for the display only of the Camp Lejeune indicator on the Registration Eligibility Screen.

Field Name	Registration Eligibility Code
Field Description	REGISTRATION ELIGIBILITY CODE
Field #	FILE #2 FIELD 13
Node #	D0,DIS,D1,0
Piece #	13
New Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Data Type	<input type="checkbox"/> Date/Time <input type="checkbox"/> Numeric <input checked="" type="checkbox"/> Set of Codes <input type="checkbox"/> Free Text <input type="checkbox"/> Pointer to a File <input type="checkbox"/> Variable-Pointer
Identifier	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uneditable Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mandatory Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Documentation or Help	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Field Name	Registration Eligibility Code
Changes Necessary	
Field Definition	Camp Lejeune Vet
Input/Output Transform	
Cross-Reference (ID and type)	<input type="checkbox"/> Regular <input type="checkbox"/> Kwic <input type="checkbox"/> Mnemonic <input type="checkbox"/> Mumps <input type="checkbox"/> Soundex <input type="checkbox"/> Trigger <input type="checkbox"/> Bulletin

4.6.6. Data Entries Affected

4.6.6.1. Unique Record(s) [Commonly the .01 field]

This category is not applicable for the CLVS project.

Unique Record ID		
Field Name(s)	Current Value	New Value

4.6.6.2. Data Dictionaries (DDs)

Ability to process Camp Lejeune eligibility, to determine enrollment decisions, and to capture enrollment history. [BN 3]

The PATIENT ENROLLMENT FILE will be modified. [3.1]

STANDARD DATA DICTIONARY #27.11 -- PATIENT ENROLLMENT FILE
PAGE 1
STORED IN ^DGEN(27.11, (4284 ENTRIES) SITE: Albany IRM Field Office
(VERSION 5.3)

The new file entry will be added to the Patient Enrollment File: #27.11
The new file entry will be added to the Patent File: #2

Camp Lejeune Service

'Y' FOR YES;
'N' FOR NO;

Includes 4 new fields: 3 are system generated
"Camp Lejeune Indicator",
"Camp Lejeune Date and Time Stamp",
"Camp Lejeune Change Site",
"Camp Lejeune Source of Change"

Camp Lejeune Indicator is the prompt that will be changed. Time, Site and Source are system variables that are being captured in association with the CL Indicator.

HELP-PROMPT: Enter the status of **Camp Lejeune Service** associated with the enrollment priority determination.

For the **Camp Lejeune Service** patients with the **Verified** eligibility status the **Priority Group** field will be set to **6**.
[3.1.1.]

27.11,.07 ENROLLMENT PRIORITY 0;7 SET

DESCRIPTION: This field will contain the enrollment priority group determined for this enrollment.

If the higher **PRIORITY** number already exists for the **Camp Lejeune** patient, this number will not be changed.
[3.1.1.]

For Veteran records that have changed the CL Service Indicator (from No/Blank to Yes), the system shall recalculate their eligibility to receive health benefits and, if appropriate, determine continuation of enrollment.
[3.1.3.]

If the patient's CL Service Indicator =**Yes**, it can be changed to **No**, once Y or N, it cannot be changed to null.

The priority, status and LOCK logic for the CL Service patients will be added to the existing routine **DGLOCK1**.

4.6.6.3. File/Global Size Changes

PRIMARY ELIGIBILITY CODE (RAD) field (#.01) of the PRIMARY
ELIGIBILITY CODE (RAD) sub-field (#790.13) of the WV SITE
PARAMETER File (#790.02)
PRIMARY ELIGIBILITY CODE (LAB) field (#.01) of the PRIMARY
ELIGIBILITY CODE (LAB) sub-field (#790.14) of the WV SITE
PARAMETER File (#790.02)
VISIT ELIGIBILITY field (#80) of the A&SP CLINIC VISIT
(#509850.6)
ELIGIBILITY EXCLUSIONS field (#.01) of the ELIGIBILITY
EXCLUSIONS sub-field (#531105.14) of the PRE-REGISTRATION
SITE PARAMETER FILE (#531105.1)
ELIGIBILITY field (#.21) of the VISIT File (#9000010)
Patient File (#2)
Field (#.3217) Camp Lejeune indicator
Field (#.32171) CL DATE/TIME LAST UPDATE
Field (#.32172) CL CHANGE SITE
Field (#.32173) CL SOURCE OF CHANGE
Patient Enrollment File (#27.11)
Field (#50.24) Camp Lejeune indicator
Field (#50.241) CL DATE/TIME LAST UPDATE
Field (#50.242) CL CHANGE SITE
Field (#50.243) CL SOURCE OF CHANGE

The Record Sensitive will be set to "1" for patients with Eligibility Code = "CL"

File/Global Name(s)	Estimated Increase	Estimated Decrease
DATA DICTIONARY #8 --	RECORD SENSITIVE	

File/Global Name(s)	Estimated Increase	Estimated Decrease
ELIGIBILITY CODE FILE		

4.6.6.4. Mail Groups

This category is not applicable for the CLVS project.

Mail Group Name			
Enhancement Category	<input type="checkbox"/> New	<input type="checkbox"/> Modify	<input type="checkbox"/> Delete <input type="checkbox"/> No Change
Related Options			
Related Routines	Routines "Called By"	Routines "Called"	
Data Dictionary (DD) References			
Related Protocols			
Mail Group Description			
Self Enrollment Allowed	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Type	<input type="checkbox"/> Public	<input type="checkbox"/> Private	

4.6.6.5. Batch Job [BN7]

A batch job will load from an external source (e.g., file) a list of Veterans identified as potentially and currently eligible to receive health benefits due to Camp Lejeune Legislation.

Recalculate eligibility and enrollment status and assignment to the highest priority group based on individual Veteran eligibility factors that may include CL eligibility. Execute appropriate triggers and communications. [7.1.2.]

An authorized ES user shall have the ability to identify the location where the file to be uploaded resides. [7.1.5.]

Design the user view to see the files locations, creation date, execution date, user name. This view must have all created files.

Only an authorized ES user shall have the ability to execute the batch job at any time. [7.1.6.]

4.6.6.6. Applications [7.1.]

Design the Camp Lejeune Environmental Action Report (CLEAR) application. [7.1]

This allows the HEC to collect documentation (proof of CL eligibility) serving as proof of CL eligibility.

The HEC uses this information to ensure the Veteran's enrollment status is in line with eligibility determination. The HEC can override rejection decisions if needed.

Post deployment of updates to ES and VistA systems that can handle CL eligibility, there is a need for a batch job to update the Enrollment System with Veteran records that were identified as having met the CL eligibility from an external source of information (e.g., CLEAR or

Department of Defense file). The batch job will populate the Camp Lejeune Service Indicator, update Veterans' eligibility and enrollment, share the updated eligibility and enrollment with sites of record, and trigger enrollment correspondence as appropriate (e.g., handbook insert).

4.6.6.7. Reports [7.1.3.]

Provide three reports on the activity:

- Summary of records processed – number of records successfully processed, number of records that had an issue processing, time it took to run the process;
- Detail information on activity – should list Veteran identifiers, counts, “old” priority group, and “new” priority group; and
- Detail information on unsuccessful activity – should list Veteran identifiers and reason why the upload failed.

4.6.6.8. Protocols

This category is not applicable for the CLVS project.

Protocol Name	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Associated Protocols	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference
Item Text Description	N/A
Protocol Type	<input type="checkbox"/> Action <input type="checkbox"/> Menu <input type="checkbox"/> Protocol <input type="checkbox"/> Protocol Menu <input type="checkbox"/> Limited Protocol <input type="checkbox"/> Extended Action <input type="checkbox"/> Dialog <input type="checkbox"/> Other
Associated Routine	
Current Entry Action Logic	
Modified Entry Action Logic (Changes are in bold)	
Current Exit Action Logic	
Modified Exit Action Logic (Changes are in bold)	

4.6.6.9. Remote Procedure Call (RPC)

This category is not applicable for the CLVS project.

Name	
TAG^RTN	

Name	
Input Parameters	
Results Array	<input type="checkbox"/> Single Value <input type="checkbox"/> Array <input type="checkbox"/> Word Processing <input type="checkbox"/> Global Array <input type="checkbox"/> Global Instance
Description	

4.6.6.10. Constants Defined in Interface

This category is not applicable for the CLVS project.

Name	Description

4.6.6.11. Variables Defined in Interface

This category is not applicable for the CLVS project.

Name	Type	Description

4.6.6.12. Types Defined in Interface

This category is not applicable for the CLVS project.

Name	Type	Description

4.6.6.13. Graphic User Interface (GUI)

This category is not applicable for the CLVS project.

Unit Name	

4.6.6.14. GUI Classes Defined

This category is not applicable for the CLVS project.

Class Name	
Derived From Class Name	
Purpose	

4.6.6.15. Current Form

This category is not applicable for the CLVS project.

4.6.6.16. Modified Form

An ES user can access the Camp Lejeune Indicator and associated information through the following screens:

- Military Service Screen; and
- Eligibility Screen.

The figures below present the screens that will be modified:

Figure 3: Military Service Screen

The screenshot displays the 'Military Service Screen' form. It contains several sections with radio buttons and dropdown menus. The 'Unemployable' section has 'Yes' and 'No' options, with 'No' selected. The 'Permanent & Total' section has 'Yes' and 'No' options, with 'No' selected. The 'Rated Incompetent' section has 'Yes', 'No', and 'No Data' options, with 'No Data' selected. The 'Eligible For Medicaid' section has 'Yes', 'No', and 'No Data' options, with 'No' selected. Below this is a text field for 'Date Medicaid Last Updated' with the value '02/10/2009 10:50'. The 'Ineligible Date' section has a text field and a '(mm/dd/yyyy)' label. A blue link 'Other Eligibility Factors' is present. The 'Discharge Due to Disability' section has 'Yes', 'No', and 'No Data' options, with 'No' selected. The 'Military Disability Retirement' section has 'Yes', 'No', and 'No Data' options, with 'No' selected. The 'Agent Orange Exposure Location' section has a dropdown menu with 'Not Exposed' selected. The 'Radiation Exposure Method' section has a dropdown menu with 'Not Exposed' selected. The 'SW Asia Conditions' section has 'Yes' and 'No' options, with 'No' selected. The 'Spinal Cord Injury' section has a dropdown menu with 'NOT APPLICABLE' selected. The 'Nose and Throat Radium Treatments' section has 'Yes', 'No', and 'Unknown' options, with 'Unknown' selected. The 'Camp Lejeune Eligibility' section has 'Yes' and 'No' options. At the bottom, there is a blue link 'Non-Veteran Eligibility Codes' and three buttons: 'REVIEW IMPACT', 'ACCEPT CHANGES', and 'CANCEL'.

Figure 4: Eligibility View Screen

The screenshot displays a web interface for viewing eligibility information. It consists of several stacked sections, each with a title bar and a content area. The sections are:

- Rated SC Disabilities:** The content area below the title bar says "No Data Available".
- Prisoner of War:** The content area says "Prisoner Of War Indicator: No". To the right of this section is a blue button labeled "VIEW HISTORICAL PRISONER OF WAR".
- Secondary Eligibility Codes:** The content area says "No Data Available".
- Other Eligibility Factors:** The content area lists "SW Asia Conditions" and "Camp Lejeune Indicator". To the right is a blue button labeled "VIEW CLINICAL DETERMINATION".
- Other Ineligibility:** The content area says "No Data Available".
- Financial Assessment:** The content area says "No Current Income Test Data Available".

4.6.6.17. Components on Form

This category is not applicable for the CLVS project.

Name	Type	Description

4.6.6.18. Events

This category is not applicable for the CLVS project.

Name	Type	Description

4.6.6.19. Methods

This category is not applicable for the CLVS project.

Method Name	Procedure/Function	Description

4.6.6.20. Special References

This category is not applicable for the CLVS project.

Special References Name	Type	Description

4.6.6.21. Class Events

This category is not applicable for the CLVS project.

Name	Type	Description

4.6.6.22. Class Methods

This category is not applicable for the CLVS project.

Name	Procedure/Function	Description

4.6.6.23. Class Properties

This category is not applicable for the CLVS project.

Class Properties Name	Type	Visibility	Description

4.6.6.24. Uses Clause

This category is not applicable for the CLVS project.

4.6.6.25. Form

This category is not applicable for the CLVS project.

Form Name	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Form Functionality	
Current Form Layout	
Modified Form Layout (Changes are in bold)	

4.6.6.26. Function

This category is not applicable for the CLVS project.

Function Name	
Short Description	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change

Function Name		
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

4.6.6.27. Dialog

This category is not applicable for the CLVS project.

Dialog Message (Description)	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Dialog Message (Description) Condition	
Current Dialog Message (Description)	
Modified Dialog Message (Description) (Changes are in bold)	

4.6.6.28. Help Frame

This category is not applicable for the CLVS project. PM and analysts add HELP text.

Help Frame Text	
-----------------	--

Help Frame Text	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Help Frame Text Calling Mechanism	
Current Help Frame Text	
Modified Help Frame Text (Changes are in bold)	
TBD	

4.6.6.29. Health Level 7 (HL7) Application Parameter

HL7 Application Parameter Name				
Enhancement Category	<input type="checkbox"/> New	<input type="checkbox"/> Modify	<input type="checkbox"/> Delete	<input type="checkbox"/> No Change
	Current		Modified	
Application Status	<input type="checkbox"/> Active	<input type="checkbox"/> Inactive	<input type="checkbox"/> Active	<input type="checkbox"/> Inactive
Facility Name				
Country Code				
HL7 Field Separator				
HL7 Encoding Characters				
Mail Group				

4.6.6.30. HL7 messaging Changes

Z07, Full Data Transmission from VAMC to HEC

- Add Camp Lejeune to the ZEL Segment of the Z07 message and builder process.
- The ORF/ORU Z07 message will be modified to include the Camp Lejeune in the ZEL segment

Z11

- For both Unsolicited Z11 transmission and Solicited Z11 transmission, patient Z11 will be screened on the AAC INDICATOR filed (#31.5) regardless of the Enrolment status.
- Patient records with a VETERANS ID & VERIFICATION ACCESS file (#300.11) record having an ELIGIBILITY STATUS filed (#3) of either "PENDING VERIFICATION" or "PENDING RE-VERIFICATION" will screen Z11 message generation based on the respective IVM MASTER CLIENT file (#300.12) AAC INDICATOR file (#31.5). CL INDICATOR file (#.3217).

DGENUPL ;ALB/CJM,ISA/KWP,TDM,CKN,BAJ - PROCESS INCOMING (Z11 EVENT TYPE) HL7
MESSAGES ; 6/18/13 12:09pm
;;5.3;REGISTRATION;**147,222,232,363,472,497,564,677,672,688,871**;Aug 13,1993;Build 20
;Phase II Moved Z11 to DGENUPL7

ORUZ11(MSGIEN,ERRCOUNT) ;

;Description: This procedure is used to process a batch of ORU~Z11
;messages or a single ORU~Z11 message.The processing consists of
;uploading the patient enrollment and eligibility data.

;

;Input:

; MSGIEN - the ien of the HL7 message in the HL7 MESSAGE TEXT file

;Output:

; ERRCOUNT - count of messages that were not processed due to
; errors encountered (pass by reference)

;

N CURLINE,SSN,DOB,SEX,SEG,MSGID,DFN,ERRMSG,TMPARRY,ICN,MSHDT

;

K ^TMP("IVM","HLS",\$J)

;

;initialize HL7 variable

S HLSDT="IVMQ" ;location of error message

;

S CURLINE=1

D ADVANCE(MSGIEN,,CURLINE)

Q:'CURLINE

F Q:'CURLINE D D ADVANCE(MSGIEN,,CURLINE)

.D GETSEG(MSGIEN,CURLINE,,SEG)

.S MSHDT=SEG(7)

.S MSGID=SEG(10)

.D NXTSEG(MSGIEN,CURLINE,,SEG)

.I SEG("TYPE")="PID" D ADDERROR(MSGID,,"PID SEGMENT MISSING",.ERRCOUNT) Q

.;S DFN=\$\$LOOKUP^DGENTPTA(SEG(19),\$\$FMDATE^HLFNC(SEG(7)),SEG(8),.ERRMSG)

.M TMPARRY(3)=SEG(3) D PARSPID3^IVMUFNC(.TMPARRY,.PID3ARY)

.S DFN=\$G(PID3ARY("PI")),ICN=\$G(PID3ARY("NI"))

.K TMPARRY,PID3ARY

.I '\$\$MATCH^IVMUFNC(DFN,ICN,"","","I",.ERRMSG) D

ADDERROR(MSGID,SEG(19),ERRMSG,.ERRCOUNT) Q

.;I 'DFN D ADDERROR(MSGID,SEG(19),ERRMSG,.ERRCOUNT) Q

.D Z11^DGENUPL7(MSGIEN,MSGID,,CURLINE,DFN,.ERRCOUNT)

S HLEVN=+\$G(ERRCOUNT) ;# of events included in the reply

M ^TMP("HLS",\$J)=^TMP("IVM","HLS",\$J) ;DG*5.3*472

K ^TMP("IVM","HLS",\$J)

Q

;

ORFZ11(MSGIEN,MSGID) ;

;Description: This procedure is used to process an ORF~Z11 message

;It uploads the patient enrollment and eligibility data.

;An acknowledgment is returned.

;

;Input:

; MSGIEN - the internal entry number of the HL7 message in the HL7 MESSAGE TEXT file (772)

; MSGID - the message control id from the MSH segment

;

;Output: none

;

N CURLINE,DFN,QUERYIEN,QARRAY,QRYMSGID,ERRCOUNT,HECERROR,SEG,DGPRESENT

N TMPARRY,PID3ARY,ICN,MSHDT

;CURLINE tracks current line in the message

;QUERYIEN the ien of query in the ENROLLMENT QUERY LOG

;QRYMSGID the Message Controll ID of the query

```
;QARRAY array containing the ENROLLMENT QUERY LOG record
;HECERROR error message returned by HEC in response to query
;DGRESENT flag=1 if query was resent
;
S (QUERYIEN,ERRCOUNT)=0
;
;initialize HL7 variable
S HLSDT="IVMQ" ;subscript in ^TMP( global for ACK message
;
K ^TMP("IVM","HLS",$J)
;
S CURLINE=1
S HECERROR=""
;
D ;drops out on error
.D NXTSEG(MSGIEN,.CURLINE,.SEG)
.I SEG("TYPE")="MSA" D ADDERROR(MSGID,,"MISSING MSA SEGMENT",.ERRCOUNT) Q
;trace the reply back to the query
.S QRYMSGID=SEG(2)
.S QUERYIEN=$FINDMSG^DGENQRY(QRYMSGID)
.I 'QUERYIEN D ADDERROR(MSGID,,"NO RECORD OF QUERY",.ERRCOUNT) Q
.I QUERYIEN,$$GET^DGENQRY(QUERYIEN,.QARRAY) D ADDERROR(MSGID,,"NO RECORD OF
QUERY",.ERRCOUNT) Q
.S DFN=QARRAY("DFN")
.I (SEG(1)="AR")!(SEG(1)="AE") D Q
..;HEC was unable to reply to the query. If due to incorrect patient
..;info, then resend the query, otherwise just log it as unsuccessful
..N SSN,DOB,SEX,DGPAT,HECMSG
..S HECMSG=SEG(3)
..D NXTSEG(MSGIEN,.CURLINE,.SEG)
..Q:(SEG("TYPE")="QRD")
..S SSN=SEG(8)
..D NXTSEG(MSGIEN,.CURLINE,.SEG)
..Q:(SEG("TYPE")="QRF")
..S DOB=$FMDATE^HLFNC(SEG(4))
..S SEX=SEG(5)
..;if patient id info incorrect, resend the query
..I $$GET^DGENPTA(DFN,.DGPAT),(DOB'=DGPAT("DOB"))!(SEX'=DGPAT("SEX")) I
$$RESEND^DGENQRY1(QUERYIEN) S DGRESENT=1 Q
..S HECERROR="HEC UNABLE TO RESPOND TO QUERY- "_HECMSG Q
;
.F SEG="QRD","QRF" D NXTSEG(MSGIEN,.CURLINE,.SEG) I SEG("TYPE")=SEG D
ADDERROR(MSGID,.SEG_" SEGMENT MISSING",.ERRCOUNT) Q
.S SEG="PID" D NXTSEG(MSGIEN,CURLINE,.SEG) I SEG("TYPE")=SEG D
ADDERROR(MSGID,.SEG_" SEGMENT MISSING",.ERRCOUNT) Q
..S CURLINE=CURLINE-1 ;should point to line before PID
..I $$$SSN^DGENPTA(DFN)=SEG(19) D ADDERROR(MSGID,,"SSN DOES NOT
MATCH",.ERRCOUNT) Q
.M TMPARY(3)=SEG(3) D PARSPID3^IVMUFNC(.TMPARY,.PID3ARY)
.S DFN=$G(PID3ARY("PI")),ICN=$G(PID3ARY("NI"))
.K TMPARY,PID3ARY
.I '$$MATCH^IVMUFNC(DFN,ICN,"","","I",.ERRMSG) D
ADDERROR(MSGID,.ERRMSG,.ERRCOUNT) Q
.S MSHDT=$P(HL("HDR",1,0),HLFS,7)
.D Z11^DGENUPL7(MSGIEN,MSGID,.CURLINE,DFN,.ERRCOUNT)
;
```

```
;update the query log
I $G(HECERROR)="",ERRCOUNT S HECERROR="UPLOAD FAILED DUE TO CONSISTENCY
CHECKS"
I '$G(DGPRESENT),$RECEIVE^DGENQRY1(QUERYIEN,HECERROR,MSGID)
;
S HLEVN=+$G(ERRCOUNT) ;# of events included in the reply
;
;if there was no error, create an 'AA' ack
;I 'ERRCOUNT D ACCEPT^DGENUPL1(MSGID) ;DG*5.3*472
;D MVERRORES^DGENUPL1 ;DG*5.3*472
;transmit the ack
;*****
;7.12.01;KSD; COMMENTED OUT. DON'T SEND ACK TO ORF
;I $D(HLTRANS) S HLARYTYP="GB",HLFORMAT=1 D
GENACK^HLMA1(HLEID,HLMTIENS,HLEIDS,HLARYTYP,HLFORMAT,HLRESLTA,HLMTIEN)
;
Q
;
ADDEROR(MSGID,SSN,ERRMSG,ERRCOUNT) ;
;Description - writes an error message to a global. It will be
;transmitted in the ack later.
;
;Inputs:
; MSGID -message control id of HL7 msg in the MSH segment
; SSN - patient social security number
; ERRMSG - the error message
; ERRCOUNT - count of errors written so far
;
;Outputs: none
;
S ERRCOUNT=+$G(ERRCOUNT)
;
I (ERRCOUNT*2)+1=1 D
. K HL,HLMID,HLMTIEN,HLDT,HLDT1
. D INIT^HLFNC2(HLEID,HL)
. D CREATE^HLTF(.HLMID,HLMTIEN,HLDT,HLDT1)
K HLRES
S MID=HLMID_"_"((ERRCOUNT*2)+1)
D MSH^HLFNC2(.HL,MID,HLRES)
S ^TMP("IVM","HLS",$J,(ERRCOUNT*2)+1)=HLRES
S ^TMP("IVM","HLS",$J,(ERRCOUNT*2)+2)="MSA"_HLFS_"AE"_HLFS_MSGID_HLFS_ERRMSG_" -
SSN "$S($L($G(SSN)):SSN,1:"NOT FOUND")
S ERRCOUNT=ERRCOUNT+1
;Put in error message in HECERROR to be included in the NOTIFY message for a solicited query
I $D(HECERROR) S HECERROR=ERRMSG
Q
;
NXTSEG(MSGIEN,CURLINE,SEG) ;
;Description: Returns the next segment
;
;Input:
; MSGIEN - ien in HL7 MESSAGE TEXT file
; CURLINE - subscript of the current segment
;
;Output:
; SEG - an array with the fields of the segment (pass by reference)
```

```
; CURLINE - upon exiting, will be the subscript of the next segment
;
S CURLINE=CURLINE+1
D GETSEG(MSGIEN,.CURLINE,.SEG)
Q
;
GETSEG(MSGIEN,CURLINE,SEG) ;
;returns the current segment
;
;Input:
; MSGIEN - ien in HL7 MESSAGE TEXT file
; CURLINE - subscript of the current segment
;
;Output:
; SEG - an array with the fields of the segment (pass by reference)
;
N SEGMENT,I,CNTR,NOPID,PIDSTR,IVMPID,SEGHLD,CNTR2
I $G(SEG)'="" S SEGHLD=SEG
K SEG
S SEG=$G(SEGHLD)
S CNTR=1,NOPID=0
S:$G(HLFS)="" HLFS=$G(HL("FS")) S:HLFS="" HLFS=""
S SEGMENT=$G(^TMP($J,IVMRTN,CURLINE,0))
S SEG("TYPE")=$E(SEGMENT,1,3)
;Strip double quotes from the following segments. DG*5.3*688
I SEG("TYPE")="ZRD" D
.S SEGMENT=$$CLEARF^IVMPRECA(SEGMENT,HLFS)
I SEG("TYPE")="PID" D Q
.S PIDSTR(CNTR)=$P(SEGMENT,HLFS,2,99)
.F I=1:1 D Q:NOPID
..S CURLINE=CURLINE+1,SEGMENT=$G(^TMP($J,IVMRTN,CURLINE,0))
..I $E(SEGMENT,1,4)="ZPD^" S NOPID=1,CURLINE=CURLINE-1 Q
..S CNTR=CNTR+1,PIDSTR(CNTR)=SEGMENT
.D BLDPID^IVMPREC6(.PIDSTR,.IVMPID)
.;convert "" to null for PID segment
.S CNTR="" F S CNTR=$O(IVMPID(CNTR)) Q:CNTR="" D
..I $O(IVMPID(CNTR,"")) D Q
...S CNTR2="" F S CNTR2=$O(IVMPID(CNTR,CNTR2)) Q:CNTR2="" D
....S IVMPID(CNTR,CNTR2)=$$CLEARF^IVMPRECA(IVMPID(CNTR,CNTR2),$E(HLECH))
..I IVMPID(CNTR)=""" S IVMPID(CNTR)=""
.M SEG=IVMPID
;
;the MSH & BHS segs contain as their first piece the field separator, which makes breaking the segment into
fields a bit different
I (SEG("TYPE")="MSH")!(SEG("TYPE")="BHS") D
.S SEG(1)=$E(SEGMENT,4)
.F I=2:1:30 S SEG(I)=$P(SEGMENT,HLFS,I)
E D
.F I=2:1:41 S SEG(I-1)=$P(SEGMENT,HLFS,I)
Q
;
ADVANCE(MSGIEN,CURLINE) ;
;Description: Used to find the begining of the next message in the batch.
;
;Input:
; MSGIEN - ien of message in the HL7 MESSAGE TEXT file.
```

```

; CURLINE - current position in the message
;Output:
; CURLINE - starting position of next message in the batch, or 0 if
; the end of the message is reached
;
Q:'CURLINE
F S CURLINE=$O(^TMP($J,IVMRTN,CURLINE)) Q:'CURLINE
Q:$E($G(^TMP($J,IVMRTN,CURLINE,0)),1,3)="MSH"
S CURLINE=+CURLINE
Q

```

4.6.6.31. Health Level 7 (HL7) Logical Link

This category is not applicable for the CLVS project.

HL7 Logical Link Parameter Name			
Enhancement Category	<input type="checkbox"/> New	<input type="checkbox"/> Modify	<input type="checkbox"/> Delete <input type="checkbox"/> No Change
	Current	Modified	
Node			
Institution			
Domain			
Autostart			
Queue Size			
LLP Type			

4.6.6.32. Application Program Interface (API)

Communication Method	
Application Interface	<p>DGENELA1 ;ALB/CJM,RTK,TDM,PJR,RGL,LBD,EG,TMK,CKN,ERC - Patient Eligibility API ; 3/3/11 3:38pm</p> <p>;;5.3;Registration;**147,327,314,367,497,451,564,631,672,659,583,746,653,688,841**;Aug 13,1993;Build 6</p> <p>; CHECK(DGELG,DGPAT,DGCDIS,ERRMSG) ; ;Does validation checks on the eligibility contained in the DGELG array. ; ;Input: ; DGELG - array containing eligibility data (pass by reference) ; DGPAT - array containing patient data (pass by reference) ; DGCDIS - array containing catastrophic disability determination (pass by reference) ; ;Output: ; Function Value - returns 1 if all validation checks passed, 0 otherwise ; ERRMSG - returns a message if validations fail (pass by reference) ; N SUCCESS,NATCODE,BAD,SUB,CODE,DGONV,DGTEXT,INELDATE </p>

Communication Method	
	<pre> S SUCCESS=0 S ERRMSG="" ; D ;drops out of block on failure ; ;get optional arrays if not there .I '\$D(DGPAT),'\$\$GET^DGENPTA(DGELG("DFN"),DGPAT) S ERRMSG="PATIENT NOT FOUND" Q .I '\$D(DGCDIS),'\$\$GET^DGENCDA(DGELG("DFN"),DGCDIS) S ERRMSG="PATIENT NOT FOUND" Q ; ;do field level checks .S SUB="" F S SUB=\$O(DGELG(SUB)) Q:(SUB="") I SUB="ELIG",SUB="RATEDIS",\$\$CHKFIELD(SUB,DGELG(SUB)) S ERRMSG="BAD VALUE, FIELD = "_\$GET1^DID(2,\$\$FIELD(SUB),"","LABEL") Q ; .Q:(SUB="") ;didn't finish the loop ; ;also check SC % field of Rated Disabilities .S SUB="" F S SUB=\$O(DGELG("RATEDIS",SUB)) Q:(SUB="") I '\$\$CHKFIELD("PER",DGELG("RATEDIS",SUB,"PER")) S ERRMSG="BAD VALUE, FIELD = DISABILITY % OF THE RATED DISABILITIES MULTIPLE" Q .Q:(SUB="") ;didn't finish the loop ; .I DGELG("SC")="Y",DGELG("SCPER")="" S ERRMSG="SC% UNSPECIFIED FOR SC VET" Q ; ;!! put this check back when POS is added to the Z11 message .I DGPAT("VETERAN")="Y",DGELG("POS") S ERRMSG="POS UNSPECIFIED" Q ; .I 'DGELG("ELIG","CODE") S ERRMSG="PRIMARY ELIGIBILITY IS UNSPECIFIED" Q ; .I (DGELG("VACKAMT")>0),(DGELG("A&A")_DGELG("HB")_DGELG("VAPEN")_DGELG("VADISAB"))["Y"] S ERRMSG="VA CHECK AMOUNT > 0 BUT INCOME INDICATORS ALL SHOW 'NO'" Q ; ; ; .I (DGELG("SC")="N"),(DGELG("VADISAB")="Y") S ERRMSG="NSC VETERANS CAN NOT BE RECEIVING VA DISABILITY BENEFITS" Q ; .S BAD=1 D Q:BAD ;check primary eligibility ..S NATCODE=\$\$NATCODE^DGENELA(DGELG("ELIG","CODE")) ..Q:NATCODE ; .I NATCODE=21 S ERRMSG="CATASTROPHICALLY DISABLED NOT ALLOWED AS PRIMARY ELIGIBILITY" Q ; .I (DGPAT("VETERAN")="Y"),(DGELG("SC")="Y"),(DGELG("SCPER")<50),(NATCODE=3) S ERRMSG="PRIMARY ELIGIBILITY CODE INCONSISTENT WITH SERVICE </pre>

Communication Method	
	<p>CONNECTED PERCENTAGE" Q</p> <p>..;</p> <p>..I</p> <p>(DGPAT("VETERAN")="Y"),(DGELG("SC")="Y"),(DGELG("SCPER")>49),(NATCODE=1)</p> <p>S ERRMSG="PRIMARY ELIGIBILITY CODE INCONSISTENT WITH SERVICE</p> <p>CONNECTED PERCENTAGE" Q</p> <p>..;</p> <p>..S DGONV=\$O(^DIC(21,"B","OTHER NON-</p> <p>VETERANS","")),INELDATE=\$P(\$G(^DPT(DFN,.15)),"^",2)</p> <p>..I</p> <p>INELDATE'="",DGPAT("INELDATE")>0,DGELG("POS"),DGELG("POS")=DGONV,'\$D(^D</p> <p>IC(21,DGELG("POS"),"E",DGELG("ELIG","CODE")))) D</p> <p>...S DGTEXT="Patient was previously determined to be ineligible for VA health care.</p> <p>Upon review, the individual is determined to be eligible for "</p> <p>...S DGTEXT=DGTEXT_"VA care. Please update period of service and other eligibility</p> <p>data as needed.."</p> <p>...D ADDMSG^DGENUPL3(.MSGS,DGTEXT,0)</p> <p>..;</p> <p>..I (DGPAT("VETERAN")="Y"),(DGELG("SC")="Y"),(NATCODE=1)!(NATCODE=3)</p> <p>S BAD=0 Q ;primary eligibility OK</p> <p>..;</p> <p>..I (DGPAT("VETERAN")="Y"),(DGELG("POW")="Y"),NATCODE=18 S</p> <p>ERRMSG="PRIMARY ELIGIBILITY SHOULD BE PRISONER OF WAR" Q</p> <p>..;</p> <p>..I (DGPAT("VETERAN")="Y"),(DGELG("POW")="Y"),NATCODE=18 S BAD=0 Q</p> <p>..;</p> <p>..I (DGPAT("VETERAN")="Y"),(DGELG("PH")="Y"),NATCODE=22 S</p> <p>ERRMSG="PRIMARY ELIGIBILITY SHOULD BE PURPLE HEART RECIPIENT" Q</p> <p>..;</p> <p>..I (DGPAT("VETERAN")="Y"),(DGELG("PH")="Y"),NATCODE=22 S BAD=0 Q</p> <p>..;</p> <p>..; disabled DG*5.3*367, for Inel</p> <p>..I (DGPAT("VETERAN")=\$P(\$G(^DIC(8.1,NATCODE,0)),"^",5)) S</p> <p>ERRMSG="PRIMARY ELIGIBILITY NOT CONSISTENT WITH VETERAN STATUS" Q</p> <p>..;</p> <p>..I DGELG("A&A")="Y",NATCODE=2 S ERRMSG="PRIMARY ELIGIBILITY</p> <p>INCONSISTENT WITH A&A INDICATOR" Q</p> <p>..;</p> <p>..I DGELG("HB")="Y",NATCODE=15 S ERRMSG="PRIMARY ELIGIBILITY</p> <p>INCONSISTENT WITH HOUSEBOUND INDICATOR" Q</p> <p>..;</p> <p>..I DGELG("VAPEN")="Y",NATCODE=4 S ERRMSG="PRIMARY ELIGIBILITY</p> <p>INCONSISTENT WITH VA PENSION INDICATOR" Q</p> <p>..;</p> <p>..I DGELG("SC")="Y",((NATCODE=4)!(NATCODE=5)) S ERRMSG="NSC</p> <p>ELIGIBILITY CODE INCONSISTENT WITH SERVICE CONNECTION INDICATOR" Q</p> <p>..;</p> <p>..I (DGPAT("DOB")>2061231),(NATCODE=16) S ERRMSG="DOB IS INCONSISTENT</p> <p>WITH ELIGIBILITY OF MEXICAN BORDER WAR" Q</p> <p>..;</p> <p>..I (DGPAT("DOB")>2071231),(NATCODE=17) S ERRMSG="DOB IS INCONSISTENT</p> <p>WITH ELIGIBILITY OF WORLD WAR I" Q</p> <p>..;</p>

Communication Method	
	<pre> .;primary eligibility is good ..S BAD=0 .; ..S SUCCESS=1 .;check eligibilities multiple ..S CODE=0 F S CODE=\$O(DGELG("ELIG","CODE",CODE)) Q:'CODE D Q:('SUCCESS) ..S NATCODE=\$\$NATCODE^DGENELA(CODE) ..Q:'NATCODE ..I NATCODE=21,DGCDIS("DATE") S SUCCESS=0,ERRMSG="CATASTROPHICALLY DISABLED ELIGIBILITY REQUIRES CATASTROPHICALLY DISABLED DETERMINATION DATE" Q .; Q SUCCESS .; STORE(DGELG,DGPAT,DGCDIS,ERROR,SKIPCHK) ; ;Stores an eligibility record for a patient. The patient record must ;already exist. A lock on the Patient record is required, and is ;released upon completion. .; ;Input: ; DGELG - eligibility array (pass by reference) ; DGPAT - patient array (optional, pass by reference) ; DGCDIS - array containing the catastrophic disability determination (optional, pass by reference) ; SKIPCHK - flag, set to 1 means that the consistency checks ; were already done & should be skipped .; ;Output: ; Function Value - returns 1 if successful, otherwise 0 ; ERROR - in event of failure returns an error message (pass by reference, optional) .; N SUCCESS,DATA,FIELD,DA,DFN,COUNT S DFN=\$G(DGELG("DFN")) S SUCCESS=0 S ERROR="" .; D ;drops out of block on failure .I '\$\$LOCK^DGENPTA1(DFN) S ERROR="UNABLE TO LOCK PATIENT RECORD" Q .I \$G(SKIPCHK)=1,\$\$CHECK(.DGELG,.DGPAT,.DGCDIS,.ERROR) Q ..S SUB="" F S SUB=\$O(DGELG(SUB)) Q:SUB="" D ..I SUB="ELIG",SUB="RATEDIS",SUB="DFN" S FIELD=\$\$FIELD(SUB) I FIELD S DATA(FIELD)=DGELG(SUB) .; .;don't add the Primary Eligibility unless different, so as to not .;fire off x-refs unless necessary ..I \$P(\$G(^DPT(DFN,.36)),("^")'=DGELG("ELIG","CODE") S DATA(.361)=DGELG("ELIG","CODE") .; .; Only update User Enrollee fields if the incoming UE status is .; greater than the USER ENROLLEE VALID THROUGH on file. .I \$G(DATA(.3617))<\$P(\$G(^DPT(DFN,.361)),("^",7) K DATA(.3617),DATA(.3618) </pre>

Communication Method	
	<pre> .; .;update Patient file record with data from Z11 .D UPDZ11^DGENELA2 .; .;delete eligibilities that do not belong .D DELELIG^DGENELA2(DFN,.DGELG) .; .;overlay Rated Disabilities .Q:'\$\$OVERLAY() .; .;Add the new Patient Eligibilities .;Don't add the an eligibility unless different - so as to not .;fire off the x-refs unless necessary. .;Also, try to assign ien = the code (see input tranform of the field). .K DA,DATA .S DA(1)=DFN .S DATA(.01)=0 .F S DATA(.01)=\$O(DGELG("ELIG","CODE",DATA(.01))) Q:'DATA(.01) I '\$D(^DPT(DFN,"E","B",DATA(.01))) I '\$ADD^DGENDBS(2.0361,.DA,.DATA,,\$S(\$D(^DPT(DFN,"E",DATA(.01)))0,1:DATA(.01))) S ERROR="FILEMAN FAILED TO ADD PATIENT ELIGIBILITY" Q .; .S SUCCESS=1 .; D UNLOCK^DGENPTA1(DFN) Q SUCCESS .; FIELD(SUB) ; .;given a subscript from the ELIGIBILITY array, returns the field number .; Q:SUB="CODE" .361 Q:SUB="SC" .301 Q:SUB="SCPER" .302 Q:SUB="EFFDT" .3014 Q:SUB="POW" .525 Q:SUB="PH" .531 Q:SUB="A&A" .36205 Q:SUB="HB" .36215 Q:SUB="VAPEN" .36235 Q:SUB="VACKAMT" .36295 Q:SUB="DISRET" .3602 Q:SUB="DISLOD" .3603 Q:SUB="MEDICAID" .381 Q:SUB="MEDASKDT" .382 ;EVC - DG*5.3*653 Q:SUB="AO" .32102 Q:SUB="IR" .32103 Q:SUB="EC" .322013 ;name change from Env Con, DG*5.3*688 Q:SUB="MTSTA" "" ;don't map Means Test Category Q:SUB="P&T" .304 Q:SUB="P&TDT" .3013 ;field added with DG*5.3*688 Q:SUB="POS" .323 Q:SUB="UNEMPLOY" .305 Q:SUB="SCAWDATE" .3012 </pre>

Communication Method	
	<pre> Q:SUB="RATEINC" .293 Q:SUB="CLAIMNUM" .313 Q:SUB="CLAIMLOC" .314 Q:SUB="VADISAB" .3025 Q:SUB="ELIGSTA" .3611 Q:SUB="ELIGSTADATE" .3612 Q:SUB="ELIGVERIF" .3615 Q:SUB="ELIGENTBY" .3616 Q:SUB="RD" .01 Q:SUB="PER" 2 Q:SUB="RDSC" 3 Q:SUB="RDEXT" 4 Q:SUB="RDORIG" 5 Q:SUB="RDCURR" 6 Q:SUB="UEYEAR" .3617 Q:SUB="UESITE" .3618 Q:SUB="AOEXPLOC" .3213 Q:SUB="CVELEDT" .5295 Q:SUB="SHAD" .32115 Q:SUB="MOH" .541 ; Q "" ; CHKFIELD(SUB,VAL) ; ;Description: Does field level validation of the value. Returns 1 ;if the value is good, 0 otherwise. ; Q:(\$G(VAL)="") 1 ;for now, all NULL values assumed okay ; N BAD S BAD=0 I (SUB="SCPER")!(SUB="PER"),(+VAL'=VAL)!(VAL>100)!(VAL<0)!(VAL?.E1"."1N.N) S BAD=1 I SUB="VACKAMT",+VAL'=VAL&(VAL'?.N1"."2N)!(VAL>99999)!(VAL<0) S BAD=1 I SUB="DISRET",VAL'=0,VAL'=1 S BAD=1 I SUB="DISLOD",VAL'=0,VAL'=1 S BAD=1 I SUB="MEDICAID",VAL'=0,VAL'=1 S BAD=1 I SUB="RATEINC",VAL'=0,VAL'=1 S BAD=1 I SUB="ELIGSTA",VAL'="P",VAL'="R",VAL'="V" S BAD=1 I SUB="POW",VAL'="Y",VAL'="N",VAL'="U" S BAD=1 Q 'BAD ; ; OVERLAY() ; ;Description: Overlay the local Rated Disabilities with whatever HEC ;sent. ; N SUCCESS S SUCCESS=1 ; ;delete the rated disabilities multiple D DELRDIS^DGENELA2(DFN) ; </pre>

Communication Method	
	<pre> ;add the rated disabilities K DATA,DA S DA(1)=DFN S COUNT=0 F S COUNT=\$O(DGELG("RATEDIS",COUNT)) Q:'COUNT D .S DATA(.01)=DGELG("RATEDIS",COUNT,"RD") .I DATA(.01) D ..S DATA(2)=DGELG("RATEDIS",COUNT,"PER") ..S DATA(3)=DGELG("RATEDIS",COUNT,"RDSC") ..S DATA(4)=DGELG("RATEDIS",COUNT,"RDEXT") ..S DATA(5)=DGELG("RATEDIS",COUNT,"RDORIG") ..S DATA(6)=DGELG("RATEDIS",COUNT,"RDCURR") ..I '\$\$ADD^DGENDBS(2.04,DA,.DATA) S ERROR="FILEMAN FAILED TO ADD RATED DISABILITIES",SUCCESS=0 Q SUCCESS </pre>

4.7. Scheduling

Business Need

Scheduling provides the tools to manage scheduling and reporting patient appointments. Users must indicate if the treatment is related to Camp Lejeune for patients who have reported Camp Lejeune and whose Camp Lejeune status is active. The appropriate records will retain any information related to Camp Lejeune that the checkout process adds or changes. Retaining this information will provide a history of any changes and be the basis for reports. Camp Lejeune-related encounter information serves as the criteria for billing issues. Checkout prompts are applicable to any of the options within Scheduling that permits the user to schedule an appointment for the patient.

4.7.1. Add and Store a new Camp Lejeune Field to Scheduling.

1. VistA shall add a new record to the Outpatient Classification Type file (#409.41) for Camp Lejeune. This new record will store and retain the information pertaining to the Camp Lejeune classification type.
2. VistA shall add a new record to the Outpatient Classification File (#409.42) for Camp Lejeune value. This new record will store and retain this classification information as a history of changes and as a basis for reports and billing issues.
3. Add a Camp Lejeune Classification Question to Scheduling

4.7.2. Add a Camp Lejeune Classification Question to Scheduling

1. VistA shall add an additional classification question for Camp Lejeune. When the patient's Camp Lejeune corresponding indicator is set to "Yes" in VistA, the user shall be prompted to indicate if the encounter is related to Camp Lejeune. The response shall be stored and passed to Integrated Billing.

Question: "Was treatment related to Camp Lejeune?"

- User shall enter "Yes" to indicate that treatment was related to Camp Lejeune.
- User shall enter "No" to indicate that treatment was NOT related to Camp Lejeune.

2. VistA shall ask the classification questions in the following order:

- a. Was Treatment Related To Combat?
- b. Was Treatment Related To Agent Orange Exposure?
- c. Was Treatment Related To Ionizing Radiation Exposure?
- d. Was Treatment Related To Service In SW ASIA?
- e. Was Treatment Related To PROJ 112/SHAD?
- f. Was Treatment Related to Military Sexual Trauma?
- g. Was Treatment Related to Head/Neck Cancer?
- h. Was Treatment Related to Camp Lejeune? VistA user may set a

4.7.3. Update Scheduling Screen Display

VistA shall modify the Scheduling Expanded Profile Display as depicted below to display the field Camp Lejeune Related: Y/N under the ***Check Out *** section (Refer to Figure 5).

Figure 5: Scheduling Expanded Profile Screen Mock-up

SCREEN MOCK-UP TBD

4.7.4. Add/Edit Encounter

If the patient's Camp Lejeune indicator is "Yes," VistA shall modify the functionality to add or edit a stand-alone encounter to ask the user if the encounter is related to Camp Lejeune.

4.7.5. Checkout Interview

- If the patient's Camp Lejeune indicator is "Yes," VistA shall modify the checkout interview process so that it will ask the user if the visit is related to Camp Lejeune.
- VistA shall NOT ask the Camp Lejeune classification questions for inpatient appointments to an outpatient clinic.

4.7.6. Field Definition

The following table provides the field definition for the display only of the Camp Lejeune indicator on the Registration Eligibility Screen.

Field Name	CL Treatment
Field Description	Was treatment related to Camp Lejeune
Field #	403.43
Node #	21
Piece #	13
New Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Data Type	<input type="checkbox"/> Date/Time <input type="checkbox"/> Numeric <input checked="" type="checkbox"/> Set of Codes <input type="checkbox"/> Free Text <input type="checkbox"/> Pointer to a File <input type="checkbox"/> Variable-Pointer
Identifier	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uneditable Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Field Name	CL Treatment
Mandatory Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Documentation or Help Changes Necessary	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Definition	Camp Lejeune Vet
Input/Output Transform	
Cross-Reference (ID and type)	<input type="checkbox"/> Regular <input type="checkbox"/> Kwic <input type="checkbox"/> Mnemonic <input type="checkbox"/> Mumps <input type="checkbox"/> Soundex <input type="checkbox"/> Trigger <input type="checkbox"/> Bulletin

4.7.6.1. Mail Groups

This category is not applicable for the CLVS project.

Mail Group Name		
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
Data Dictionary (DD) References		
Related Protocols		
Mail Group Description		
Self Enrollment Allowed	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Type	<input type="checkbox"/> Public <input type="checkbox"/> Private	

4.7.6.2. Protocols

This category is not applicable for the CLVS project.

Protocol Name	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Associated Protocols	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference
Item Text Description	N/A
Protocol Type	<input type="checkbox"/> Action <input type="checkbox"/> Menu <input type="checkbox"/> Protocol <input type="checkbox"/> Protocol Menu <input type="checkbox"/> Limited Protocol <input type="checkbox"/> Extended Action <input type="checkbox"/> Dialog <input type="checkbox"/> Other
Associated Routine	
Current Entry Action Logic	

Protocol Name	
Modified Entry Action Logic (Changes are in bold)	
Current Exit Action Logic	
Modified Exit Action Logic (Changes are in bold)	

4.7.6.3. Remote Procedure Call (RPC)

This category is not applicable for the CLVS project.

Name	
TAG^RTN	
Input Parameters	
Results Array	<input type="checkbox"/> Single Value <input type="checkbox"/> Array <input type="checkbox"/> Word Processing <input type="checkbox"/> Global Array <input type="checkbox"/> Global Instance
Description	

4.7.6.4. Constants Defined in Interface

This category is not applicable for the CLVS project.

Name	Description

4.7.6.5. Variables Defined in Interface

This category is not applicable for the CLVS project.

Name	Type	Description

4.7.6.6. Types Defined in Interface

This category is not applicable for the CLVS project.

Name	Type	Description

4.7.6.7. Graphic User Interface (GUI)

This category is not applicable for the CLVS project.

Unit Name	

4.7.6.8. Routines (Entry Points – Scheduling)

The following routines (SDAMEP2 and SDAMEP2) will be used to modify the Scheduling.

Routine Name	SDAMEP2		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	SDAMEP1	DGPMV10,SDAMEP1,VALM1	
Requirement Traceability Matrix		The system shall provide a capability to display the Camp Lejeune eligibility.	
Data Dictionary (DD) References	PATIENT FILE#2		
Related Protocols			
Related Integration Control Registrations (ICRs)			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine		
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine		

Routine Name	SDAMEP2
Current Logic	
<p>SDAMEP2 ;ALB/CAW - Extended Display (Patient Data) ; 11/13/02 ;;5.3;Scheduling; **258,325,441** ;Aug 13, 1993;Build 14 ;</p> <p>PDATA ; Patient Data F SD=0,.11,.13,.32,.322,.321,.36,.52 S SD(SD)=\$G(^DPT(DFN,SD)) S SD("CV")=\$\$CVEDT^DGCV(DFN,SDT) S VAIP("D")="L",VAIP("L")="" D INP^DGPMV10 S SDFSTCOL=16,SDSECCOL=60 S X="" D SET^SDAMEP1(\$\$SETSTR^VALM1("*** Patient Information ***",X,25,30)) D CNTRL^VALM10(SDLN,25,30,IOINH1,IOINORM)</p> <p>PTDOB ; Date of Birth and SSN Info ; S X="" ,X=\$\$SETSTR^VALM1("Date of Birth:",X,1,14) S X=\$\$SETSTR^VALM1(\$\$FTIME^VALM1(\$P(SD(0),U,3)),X,SDFSTCOL,18) S X=\$\$SETSTR^VALM1(" ID:",X,55,4) S X=\$\$SETSTR^VALM1(VA("PID"),X,SDSECCOL,20) D SET^SDAMEP1(X)</p> <p>PTSEX ; Sex and Marital Status Info ; S X="" ,X=\$\$SETSTR^VALM1("Sex:",X,11,4) S X=\$\$SETSTR^VALM1(\$S(\$P(SD(0),U,2)="F": "FEMALE", \$P(SD(0),U,2)="M": "MALE", 1: "UNKNOWN"),X,SDFSTCOL,18) S X=\$\$SETSTR^VALM1("Marital Status:",X,44,15) S X=\$\$SETSTR^VALM1(\$P(\$G(^DIC(11,\$P(SD(0),U,5),0)),U),X,SDSECCOL,20) D SET^SDAMEP1(X)</p> <p>PTREL ; Religious Pref. Info ; S X="" ,X=\$\$SETSTR^VALM1("Religious Pref.:",X,43,16) S X=\$\$SETSTR^VALM1(\$P(\$G(^DIC(13,\$P(SD(0),U,8),0)),U),X,SDSECCOL,20) D SET^SDAMEP1(X)</p> <p>PTMT ; Means Test Info ; S SDMT=\$\$LST^DGMTU(DFN,X="" G:\$P(SDMT,U,4)="N" PTCO I +SDMT D G PTMTQ .S X=\$\$SETSTR^VALM1("Means Test:",X,4,11) .S X=\$\$SETSTR^VALM1(\$P(\$FMT^SDUTL2(DFN),U),X,SDFSTCOL,20) .S X=\$\$SETSTR^VALM1("Last Means Test:",X,43,16) .S X=\$\$SETSTR^VALM1(\$FDATE^VALM1(\$P(SDMT,U,2)),X,SDSECCOL,20)</p> <p>PTCO S SDMT=\$\$LST^DGMTU(DFN,"",2),X="" I +SDMT D .S X=\$\$SETSTR^VALM1("Co-Pay Test:",X,3,12) .S X=\$\$SETSTR^VALM1(\$P(\$FCO^SDUTL2(DFN),U,2),X,SDFSTCOL,10) .S X=\$\$SETSTR^VALM1("Last Co-Pay Test:",X,42,17) .S X=\$\$SETSTR^VALM1(\$FDATE^VALM1(\$P(SDMT,U,2)),X,SDSECCOL,20)</p> <p>PTMTQ D SET^SDAMEP1(X)</p> <p>PTELG ; Primary Eligibility and Period of Service Info ; S X="" ,X=\$\$SETSTR^VALM1("Primary Elig.:",X,1,14) S X=\$\$SETSTR^VALM1(\$P(\$G(^DIC(8,\$P(SD(.36),U,0)),U,6),X,SDFSTCOL,21) S X=\$\$SETSTR^VALM1("POS:",X,55,4) S X=\$\$SETSTR^VALM1(\$P(\$G(^DIC(21,\$P(SD(.32),U,3),0)),U),X,SDSECCOL,20) D SET^SDAMEP1(X)</p> <p>PTADD ; Patient Address</p>	

Routine Name	SDAMEP2
	<pre> ; S X="",X=(\$SETSTR^VALM1("Address:",X,7,8)) S X=\$SETSTR^VALM1("Phone:",X,53,6) S X=\$SETSTR^VALM1(\$P(SD(.13),U),X,SDSECCOL,20) D SET^SDAMEP1(X) S X="",X=(\$SETSTR^VALM1(\$P(SD(.11),U),X,10,30)) S X=\$SETSTR^VALM1("Cell Phone:",X,48,11) S X=\$SETSTR^VALM1(\$S((\$P(SD(.13),U,4)=""):P(SD(.13),U,4),1:"UNANSWERED"),X,SDSECCOL,20) D SET^SDAMEP1(X) S X="",SDPAGFLG=0 I \$P(SD(.11),U,2)=" " D .S X="",X=(\$SETSTR^VALM1(\$P(SD(.11),U,2),X,10,30)) .S X=\$SETSTR^VALM1("Pager #:",X,51,8) .S X=\$SETSTR^VALM1(\$S((\$P(SD(.13),U,5)=""):P(SD(.13),U,5),1:"UNANSWERED"),X,SDSECCOL,20),SDP AGFLG=1 D:X'="" SET^SDAMEP1(X) ; retrieve country info -- PERM country is piece 10 of .11 N FILE,CNTRY,FORIEN,FOREIGN S FILE=779.004,FORIEN=\$P(SD(.11),U,10),CNTRY=\$GET1^DIQ(FILE,FORIEN " ",2),CNTRY=\$\$UPPER^VA LM1(CNTRY),FOREIGN=\$\$FORIEN^DGADDUTL(FORIEN) I 'FOREIGN D .N SDZIP S SDZIP=\$P(SD(.11),U,12) S:\$E(SDZIP,6,10)=" " SDZIP=\$E(SDZIP,1,5)_"_"\$E(SDZIP,6,10) .S X="",X=(\$SETSTR^VALM1(\$P(SD(.11),U,4)_"_"\$P(\$G(^DIC(5,\$P(SD(.11),U,5),0)),U)_" " _SDZIP,X,10,45)) E D .S X="",X=(\$SETSTR^VALM1(\$P(SD(.11),U,9)_"_"\$P(SD(.11),U,4)_"_"\$P(SD(.11),U,8),X,10,45)) I 'SDPAGFLG D .S X=\$SETSTR^VALM1("Pager #:",X,51,8) .S X=\$SETSTR^VALM1(\$S((\$P(SD(.13),U,5)=""):P(SD(.13),U,5),1:"UNANSWERED"),X,SDSECCOL,20) D SET^SDAMEP1(X) K SDPAGFLG S X="",X=\$SETSTR^VALM1(CNTRY,X,10,45) D SET^SDAMEP1(X) S X="",X=\$SETSTR^VALM1("EMAIL ADDRESS:",X,1,14) S X=\$SETSTR^VALM1(\$S((\$P(SD(.13),U,3)=""):P(SD(.13),U,3),1:"UNANSWERED"),X,SDFSTCOL,45) D SET^SDAMEP1(X) PTEXP ; Radiation and Status ; S X="",X=\$SETSTR^VALM1("Radiation Exposure:",X,1,19) S X=\$SETSTR^VALM1(\$FYNUNK^SDUTL2(\$P(SD(.321),U,3)),X,21,7) S X=\$SETSTR^VALM1("Status:",X,52,7) S A=\$S("^3^5^"["^"+DGPMVI(2) "^^":0,1:DGPMVI(2)),SDST=\$S('A:"IN",1:"")_"ACTIVE ",SDSTA=\$S("^4^5^"["^"+DGPMVI(2) "^^":"LODGER",1:"INPATIENT") I '\$D(^DGPM("C",DFN)) S SDST="NO INPT./LOD. ACT.",SDSTA="" S X=\$SETSTR^VALM1(SDST_SDSTA,X,SDSECCOL,20) D SET^SDAMEP1(X) PTPOW ; Prisoner of War Info and Last Admission Date ; S X="",X=\$SETSTR^VALM1("Prisoner of War:",X,4,16) S X=\$SETSTR^VALM1(\$FYNUNK^SDUTL2(\$P(SD(.52),U,5)),X,21,7) </pre>

Routine Name	SDAMEP2
	<p>S X=\$\$SETSTR^VALM1("Last Admit/Lodger Date:",X,36,23) I +DGPMVI(13,1) S X=\$\$SETSTR^VALM1(\$\$FTIME^VALM1(+DGPMVI(13,1)),X,SDSECCOL,18) D SET^SDAMEP1(X) PTAO ; Agent Orange Exposure and Last Discharge Date S X="",X=\$\$SETSTR^VALM1("AO Exp/Loc:",X,9,11) S X=\$\$SETSTR^VALM1(\$\$FYNUNK^SDUTL2(\$P(SD(.321),U,2))_\$S(\$P(SD(.321),U,13)="V":"/VIET",\$P(SD(.321),U,13)="K":"/DMZ",\$P(SD(.321),U,13)="O":"/OTH",1:""),X,21,14) S X=\$\$SETSTR^VALM1("Last Disch./Lodger Date:",X,35,24) S SDDISCH=+\$G(^DGPM(+DGPMVI(17),0)) I +SDDISCH S X=\$\$SETSTR^VALM1(\$\$FTIME^VALM1(SDDISCH),X,SDSECCOL,18) D SET^SDAMEP1(X) CV ;Combat vet S X="",X=\$\$SETSTR^VALM1("Combat Veteran:",X,5,15) S X=\$\$SETSTR^VALM1(\$\$FYNUNK^SDUTL2(\$S(\$P(SD("CV"),U,1)>0:"Y",1:"N")),X,21,7) S X=\$\$SETSTR^VALM1("Combat Veteran End Date:",X,35,24) I \$P(SD("CV"),U,1)>0 D .S X=\$\$SETSTR^VALM1(\$\$FTIME^VALM1(\$P(SD("CV"),U,2)),X,SDSECCOL,18) E S X=\$\$SETSTR^VALM1("N/A",X,SDSECCOL,3) D SET^SDAMEP1(X) SHAD ;PROJ 112/SHAD S X="",X=\$\$SETSTR^VALM1("PROJ 112/SHAD:",X,6,14) S X=\$\$SETSTR^VALM1(\$\$FYNUNK^SDUTL2(\$S(\$P(SD(.321),U,15)>0:"Y",1:"N")),X,21,7) SWASIA ;SW Asia S X=\$\$SETSTR^VALM1("SW Asia Conditions:",X,40,19) S X=\$\$SETSTR^VALM1(\$\$FYNUNK^SDUTL2(\$P(SD(.322),U,13)),X,SDSECCOL,20) D SET^SDAMEP1(X) D SET^SDAMEP1("") Q</p>

Routine Name	SDAMEP1	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	SDAMEP	VALM1
Requirement Traceability Matrix		The system shall provide a capability to display the Camp Lejeune eligibility.
Data Dictionary (DD) References	PATIENT FILE#2	
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine	

Routine Name	SDAMEP1
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine
Current Logic	
SDAMEP1 ;ALB/CAW - Expanded Display (Appt. Data) ; 16 May 2001 4:49 PM ; Compiled August 22, 2008 12:24:32 ;;5.3;Scheduling;**20,241,534**;Aug 13, 1993;Build 8 ; APDATA ; Appointment Data ; D SET(\$SETSTR^VALM1("*** Appointment Demographics ***",",",24,32)) D CNTRL^VALM10(SDLN,24,32,IOINH,IOINORM) D SET("") ; S X="" S X=\$SETSTR^VALM1(" Name:",X,1,SDWIDTH) S X=\$SETSTR^VALM1(\$G(^DPT(DFN,0)),U),X,SDFSTCOL,24) S X=\$SETSTR^VALM1(" Clinic:",X,40,SDWIDTH) S X=\$SETSTR^VALM1(\$G(^SC(SDCL,0)),U),X,SDSECCOL,24) D SET(X) ; S X="" S X=\$SETSTR^VALM1(" ID:",X,1,SDWIDTH) S X=\$SETSTR^VALM1(VA("PID"),X,SDFSTCOL,24) S X=\$SETSTR^VALM1(" Date/Time:",X,40,SDWIDTH) S X=\$SETSTR^VALM1(\$FTIME^VALM1(SDT),X,SDSECCOL,24) D SET(X) ; S X="" S X=\$SETSTR^VALM1(" Status:",X,1,SDWIDTH) S X=\$SETSTR^VALM1(\$P(\$STATUS^SDAM1(DFN,SDT,SDCL,\$G(^DPT(DFN,"S",SDT,0)),SDDA),",",3),X,SDFSTCOL,50) D SET(X) ; S SDPV=\$P(\$G(^DPT(DFN,"S",SDT,0)),U,7),SDPOV=\$S(SDPV=1:"C&P",SDPV=2:"10-10",SDPV=3:"SCHEDULED",SDPV=4:"UNSCHEDULED",1:"UNKNOWN") S X="",X=\$SETSTR^VALM1("Purpose of Vst.",X,1,16) S X=\$SETSTR^VALM1(SDPOV,X,SDFSTCOL,24) D SET(X) ; S X="" S X=\$SETSTR^VALM1(" Length of Appt:",X,1,SDWIDTH) S X=\$SETSTR^VALM1(\$G(SDSC(44.003,SDDA,1)),X,SDFSTCOL,4) S X=\$SETSTR^VALM1(" Appt Type:",X,40,SDWIDTH) S X=\$SETSTR^VALM1(SDPT(2.98,SDT,9.5),X,SDSECCOL,24) D SET(X) ; S X="" S X=\$SETSTR^VALM1(" Lab:",X,1,SDWIDTH) S X=\$SETSTR^VALM1(\$P(SDPT(2.98,SDT,5),"@"),2,X,SDFSTCOL,5) S X=\$SETSTR^VALM1(" Elig of Appt:",X,40,SDWIDTH) S X=\$SETSTR^VALM1(\$G(SDSC(44.003,SDDA,30)),X,SDSECCOL,24) D SET(X)	

Routine Name	SDAMEP1
<pre> ; S X="" S X=\$\$SETSTR^VALM1(" X-ray:",X,1,SDWIDTH) S X=\$\$SETSTR^VALM1(\$P(SDPT(2.98,SDT,6),"@",2),X,SDFSTCOL,5) S X=\$\$SETSTR^VALM1(" Overbook:",X,40,SDWIDTH) S X=\$\$SETSTR^VALM1(\$G(SDSC(44.003,SDDA,9)),X,SDSECCOL,24) D SET(X) ; S X="" S X=\$\$SETSTR^VALM1(" EKG:",X,1,SDWIDTH) S X=\$\$SETSTR^VALM1(\$P(SDPT(2.98,SDT,7),"@",2),X,SDFSTCOL,5) S X=\$\$SETSTR^VALM1("Collateral Appt:",X,40,SDWIDTH) S X=\$\$SETSTR^VALM1(\$G(SDPT(2.98,SDT,13)),X,SDSECCOL,17) D SET(X) ; S X="" N SDINFL S SDINFL=\$L(\$G(SDSC(44.003,SDDA,3))) ; lenght of INFO STRING I SDINFL<64 D .S X=\$\$SETSTR^VALM1(" Other:",X,1,SDWIDTH) .S X=\$\$SETSTR^VALM1(\$G(SDSC(44.003,SDDA,3)),X,SDFSTCOL,63) I SDINFL>63&(SDINFL<143) D .S X=\$\$SETSTR^VALM1(" Other:",X,1,SDWIDTH) .S X=\$\$SETSTR^VALM1(\$E(\$G(SDSC(44.003,SDDA,3)),1,64),X,17,80) .D SET(X) .S X=\$\$SETSTR^VALM1("",X,1,0) .S X=\$\$SETSTR^VALM1(\$E(\$G(SDSC(44.003,SDDA,3)),65,150),X,1,80) I SDINFL>142 D .S X=\$\$SETSTR^VALM1(" Other:",X,1,10) .S X=\$\$SETSTR^VALM1(\$E(\$G(SDSC(44.003,SDDA,3)),1,70),X,11,80) .D SET(X) .S X=\$\$SETSTR^VALM1("",X,1,0) .S X=\$\$SETSTR^VALM1(\$E(\$G(SDSC(44.003,SDDA,3)),71,150),X,1,80) D SET(X) ; S (X,SDEIC)="" F SDI=0:0 S SDI=\$O(^DPT(DFN,"DE",SDI) Q:'SDI I \$P(^DPT(DFN,SDI,0),U)=SDCL F SDX=0:0 S SDX=\$O(^DPT(DFN,"DE",SDI,1,SDX) Q:'SDX S SDEN=\$G(^DPT(DFN,"DE",SDI,1,SDX,0)) D ENROLL D SET(\$D(SD(DFLG):X,1:"")) S X="",X=\$\$SETSTR^VALM1(\$D(SDEN):"", \$P(SDEN,U)=""?: "", \$P(SDEN,U,3)=""?: "Enrollment Date/Time:",1:""),X,4,21) I SD(SDEN),+SDEN,\$P(SDEN,U,3)="" S X=\$\$SETSTR^VALM1(\$FTIME^VALM1(\$P(SDEN,U)),X,26,18) D SET(X) Q ; ENROLL ; S SDFLG=1 S X="",X=\$\$SETSTR^VALM1("Enrolled in this clinic:",X,1,25) S X=\$\$SETSTR^VALM1(\$D(SDEN):"NO", \$P(SDEN,U)=""?: "NO", \$P(SDEN,U,3)=""?: "NO",1:"YES"),X,26,3) S X=\$\$SETSTR^VALM1(\$D(SDEN):"", \$P(SDEN,U)=""?: "", \$P(SDEN,U,3)=""?: " OPT or AC:", \$P(SDEN,U,3)=""?: "Disch fm Clinic:",1:""),X,44,17) I SD(SDEN),+SDEN,\$P(SDEN,U,3)="" S X=\$\$SETSTR^VALM1(\$D(\$P(SDEN,U,2)="A": "AC",1:"OPT"),X,SDSECCOL,3) </pre>	

Routine Name	SDAMEP1
<pre> I \$D(SDEN),+SDEN,\$P(SDEN,U,3)'="" X=\$\$SETSTR^VALM1(\$\$FTIME^VALM1(\$P(SDEN,U,3)),X,62,17) Q SET(X) ; Set in ^TMP global for display ; S SDLN=SDLN+1,^TMP("SDAMEP",\$J,SDLN,0)=X Q ; INIT ; -- set up vars N DR,DIQ,DIC,DA D PID^VADPT6 S SDFSTCOL=18,SDWIDTH=16,SDSECCOL=57 I SDDA="" S SDDA=\$\$FIND^SDAM2(DFN,SDT,SDCL) S SDOE=\$P(\$G(^DPT(DFN,"S",SDT,0)),"^",20) S DIQ="SDPT(",DIC="^DPT(DFN,""S"",",DA=SDT,DR="01;3;5;6;7;12;13;14;15;16;9.5;17;19;20;25;26;27;28" EN^DIQ1 S DIQ="SDSC(",DIC="^SC(SDCL,""S"",SDT,1,DA=SDDA,DR="1;3;7;8;9;30;309;302;303;304;306" EN^DIQ1 I \$G(SDOE) S DIQ="SDOE(",DIC="^SCE(",DA+=SDOE,DR="07" D EN^DIQ1 I \$D(SDSC(44.003,SDDA,30)),SDSC(44.003,SDDA,30)="" SDSC(44.003,SDDA,30)=\$P(\$G(^DIC(8,\$G(^DPT(DFN,.36)),0)),U) I \$D(SDSC(44.003,SDDA,9)),SDSC(44.003,SDDA,9)="" S SDSC(44.003,SDDA,9)="NO" I \$D(SDPT(2.98,SDT,13)),SDPT(2.98,SDT,13)="" S SDPT(2.98,SDT,13)="NO" S DIQ(0)="I",DIQ="SDPTI(",DIC="^DPT(DFN,""S"",",DA=SDT,DR="3;20;25;26;27;28" D EN^DIQ1 Q </pre>	

4.7.6.9. Components on Form

This category is not applicable for the CLVS project.

Name	Type	Description

4.7.6.10. Events

This category is not applicable for the CLVS project.

Name	Type	Description

4.7.6.11. Methods

This category is not applicable for the CLVS project.

Method Name	Procedure/Function	Description

4.7.6.12. Special References

This category is not applicable for the CLVS project.

Special References Name	Type	Description

4.7.6.13. Class Events

This category is not applicable for the CLVS project.

Name	Type	Description

4.7.6.14. Class Methods

This category is not applicable for the CLVS project.

Name	Procedure/Function	Description

4.7.6.15. Class Properties

This category is not applicable for the CLVS project.

Class Properties Name	Type	Visibility	Description

4.7.6.16. Uses Clause

This category is not applicable for the CLVS project.

4.7.6.17. Form

This category is not applicable for the CLVS project.

Form Name	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Form Functionality	
Current Form Layout	
Modified Form Layout (Changes are in bold)	

4.7.6.18. Function

This category is not applicable for the CLVS project.

Function Name		
Short Description		
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

4.7.6.19. Dialog

This category is not applicable for the CLVS project.

Dialog Message (Description)	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Dialog Message (Description) Condition	
Current Dialog Message (Description)	
Modified Dialog Message (Description) (Changes are in bold)	

4.7.6.20. Help Frame

This category is not applicable for the CLVS project. PM and analysts add HELP text.

Help Frame Text	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Help Frame Text Calling Mechanism	
Current Help Frame Text	
Modified Help Frame Text (Changes are in bold)	
TBD	

4.7.6.21. Health Level 7 (HL7) Application Parameter

HL7 Application Parameter Name		
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
	Current	Modified
Application Status	<input type="checkbox"/> Active <input type="checkbox"/> Inactive	<input type="checkbox"/> Active <input type="checkbox"/> Inactive
Facility Name		
Country Code		
HL7 Field Separator		
HL7 Encoding Characters		
Mail Group		

4.7.6.22. Health Level 7 (HL7) Logical Link

This category is not applicable for the CLVS project.

HL7 Logical Link Parameter Name		
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
	Current	Modified
Node		
Institution		
Domain		
Autostart		
Queue Size		
LLP Type		

4.7.6.23. Application Program Interface (API)

Communication Method	
Application Interface	

4.8. Patient Treatment File (PTF)

Business Need

Patients who are admitted to a VA or non-VA facility require a PTF record be completed. The PTF software shall support the addition of the Camp Lejeune question as it relates to the patient's inpatient specific movement. PTFs shall be modified to include a data entry point for Camp Lejeune. PTFs will also track Camp Lejeune conditions for each movement for patients whose Camp Lejeune status is active.

4.8.1. Add and Store a new Camp Lejeune Field.

VistA shall add a new field to the PTF File (#45) for Camp Lejeune. This new field shall store/retain this classification information as a history of changes and as a basis for reports and billing issues.

4.8.2. Add a Camp Lejeune Classification Question.

VistA shall add an additional classification question for Camp Lejeune. The response will be stored within the PTF File (#45). The Camp Lejeune question shall prompt users if the corresponding fields within VistA Registration are defined as "YES."

Question: "Was Treatment Related to Camp Lejeune"?

- User shall enter "Yes" to indicate that exposure was related to Camp Lejeune.
- User shall enter "No" to indicate that exposure was NOT related to Camp Lejeune.

4.8.3. Camp Lejeune Classification Question Order

VistA shall ask the classification questions in the following order:

- a. Was Treatment Related To Agent Orange Exposure?
- b. Was Treatment Related To Ionizing Radiation Exposure?
- c. Was Treatment Related To Service In SW ASIA?
- d. Was Treatment Related To PROJ 112/SHAD?
- e. Was Treatment Related to Military Sexual Trauma?
- f. Was Treatment Related to Head/Neck Cancer?
- g. Was Treatment Related to Camp Lejeune?

4.8.4. PTF Display Screen

VistA shall permit the users to enter/edit PTF data via the following options:

- Load/Edit PTF Data;
- Quick Load/Edit PTF Data; and
- Set Up a Non-VA PTF Record.

4.8.5. PTF Screen 101

VistA shall modify the PTF 101 Screen as shown in Figure 6 to display field: **Camp Lejeune: (Default value = “NO”)**

If a user chooses to enter/edit the information related to the patient’s inpatient episode of care, VistA shall modify the 101 Screen within PTF to prompt the user to indicate if the treatment is related to Camp Lejeune.

- VistA shall limit number of characters for “N/T RADIUM” to 25 to prevent line wrapping.

Figure 6: PTF 101 Screen Mock-up

Name: TEST,PATIENT SSN: 000000000 Dt of Adm: MAR 30,2007 15:00 <101>	
[1] Facility: 442	[2] Marit Stat: NEVER MARRIED
Source of Adm: OTHER DIRECT	Ethnic: Race:
Source of Pay:	Sex: MALE
Trans Facility:	Date of Birth: JAN 1,1964
Admit Elig: SC LESS THAN 50%	SCI: NOT APPLICABLE
[3] Vietnam SRV: NO	[4] State: TEXAS
POW: NO	Zip Code: 75060
POW SRV:	County: DALLAS
Ion Rad Exp: YES	Exposure Method:
AO Exp/Loc: YES/VIET	PROJ 112/SHAD: YES
Claims MST: YES	N/T Radium: YES,VERIFIED
Combat Veteran: YES	End Date: DEC 31,2006
Camp Lejeune :YES	
[5]Date of Disch: APR 5,2007 11:45	Disch Specialty: MEDICAL OBSERVATION Type of
Disch: REGULAR	Disch Status: BED OCCUPANT
Place of Disp: COMMUNITY HOSPITAL	[6] Out Treat: Means
Test: SERVICE CONNECTED	VA Auspices: NO
[7] Receiv facil:	[Other Fields]
C&P Status: NO PENSION-NO SC	Income: \$0
ASIH Days:	SC Percentage: 34% Transmitted: [30%] Period Of
	Serv: PERSIAN GULF WAR
Enter: <RET> for <MAS>, 1-7 to edit, '^N' for screen N, or '^A' to abort: <MAS> //	

4.8.6. 501 Movement Screen

- VistA shall modify the PTF 501 Movement Screen(s) as shown in **Figure 7** to display field:
Treated for Camp Lejeune Condition: Yes/No
- If user chooses to add/edit a patient’s movement, VistA shall modify the “501” Segment(s) within PTF to prompt the user to indicate if the treatment is related to Camp Lejeune.
Was Treatment Related To Camp Lejeune?: Yes/No

Figure 7. PTF 501 Screen Mock-up

Name: TEST,PATIENT SSN: 0000000000 Dt of Adm: MAR 30,2007 15:00		<501-1> Discharge Movement
[1]Date of Move: APR 5,2007 11:45 0	Losing Specialty: MEDICAL OBSERVATION Leave days: Pass days: 0	
Treated for SC Condition: Yes Condition: No SHAD Condition: No	Treated for service in SW Asia: No Treated for MST Treated for HEAD/NECK CA Condition: No Treated for Treated for Camp Lejeune : No	
[2] DX:		
TRANSFER DRG: 242 SEPTIC ARTHRITIS		
Enter <RET> to continue, 1-2 to edit, 'M' to edit Treat. Specialty, '^N' for screen N, or '^A' to abort:<MAS>//		

4.8.7. MAS Screen

- If the user chooses to add or edit a patient's movement, VistA shall modify the PTF MAS Screen as shown in **Figure 8** to prompt users to indicate if the treatment is related to Camp Lejeune:

Was the Treatment Related to Camp Lejeune?: Yes/No

- VistA shall modify the MAS screen within PTF to display the classification abbreviation for each movement:

<Camp Lejeune >

Figure 8. PTF MAS Screen Mock-up

Name: PIMS,PATIENT ALLCLASS SSN: 00000000 Dt of Adm: MAR 30,2007 15:00<MAS> Move #1 D/C APR 5,2007 <SC>MED OBSERV			
1-CPT Capture Date/Time: APR 2,2007 14:00			
Referring or Ordering Provider: WOEHRLE,MARGIE Rendering			
Provider: WOEHRLE,MARGIE			
Rendering Location: TELE-MH CHEYENNE			
1 99053 MED SERV 10PM-8AM, 24 HR FAC Quantity: 1			
----- Related Diagnosis -----			
185. MALIGN NEOPL PROSTATE	Treated for SC Condition:NO Treated for AO Condition:NO Treated for IR Condition:NO Exposed to SW Asia Conditions:NO Treatment for MST:NO Treatment for Head/Neck CA:NO Treatment for SHAD Condition:NO Treatment for Camp Lejeune : YES		
Patient Movements: M=Edit Treat Spec/PM	A=Add Code	D=Delete Code	V=Edit Mov
Surgical Episodes: S=Add SE Z=Delete SE	O=Add Code	C=Delete Code	J=Edit SE
Procedure Records: T=Add PR R=Delete PR	P=Add Code	Q=Delete Code	E=Edit PR
801: I=Add 801 Y=Delete 801 N=Add CPT G=Delete CPT F=Edit 801			
^=Abort <RET> to Continue:<MAS>//			

4.8.8. 801 Screen

- VistA shall modify the 801 Movement Screen(s) within PTF to display the following text:
Treated for Camp Lejeune Condition?: Yes/No
- If User chooses to add/edit a Current Procedural Terminology (CPT) record, VistA shall modify the “801” Segment(s) within PTF to prompt the user to indicate if the treatment is related to Camp Lejeune.
Was Treatment Related To Camp Lejeune?: Yes/No

4.8.9. PTF Transmission

VistA shall modify the PTF transmission to send the patient’s Camp Lejeune status to AAC within the following 2 segments:

- 101 Segment (Patient Level); and
- 701 Segment (Summary Level).

VistA shall NOT send the Camp Lejeune status to AAC within the following segment due to lack of space.

- Segment (Movement Level)

4.8.10. Routines (Entry Points – Patient Treatment File)

The following routines (PXRMDGTP) will be used to modify Patient Treatment File.

Routine Name	PXRMDGTP	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	PXRMDG	PXRMERRH,PXRMINDX,PXRMTEXT
Requirement Traceability Matrix		The system shall provide a capability to display the Camp Lejeune eligibility.
Data Dictionary (DD) References	PATIENT FILE#2	
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine	
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine	

Routine Name	PXRMGTP
Current Logic	
<pre> PXRMGPT ; SLC/PKR - Code to handle DGPT (Patient Treatment File) data. ;08/03/2005 ;2.0;CLINICAL REMINDERS;**4**;Feb 04, 2005;Build 21 ; ;===== FPDAT(DFN,TAXARR,NGET,SDIR,BDT,EDT,TYPE,FLIST) ;Find data for a patient. ;TYPE is ICD0 or ICD9 N DA,DAS,DATE,DNODE,DS,EDTT,ICDP,IND,NFOUND,NODE,NODEAT,NNODE N SUB,TE,TDATE,TIND,TLIST,TS I \$G(^PXRMINDX(45,"DATE BUILT"))="" D Q . D NOINDEX^PXMERRH("TX",TAXARR("IEN"),45) I \$D(^PXRMINDX(45,TYPE,"PNI",DFN)) Q S SUB=\$S(TYPE="ICD0":80.1,TYPE="ICD9":80.1:0) I SUB=0 Q S NNODE=+\$P(\$G(TAXARR("PDS",45,SUB)),U,2) I NNODE=0 Q ;Get the start and end of the taxonomy. S TS=\$O(TAXARR(SUB,""))-1 S TE=\$O(TAXARR(SUB,""),-1) S EDTT=\$S(EDT["":EDT+.0000001,1:EDT+.240001) S DS=\$S(SDIR=+1:BDT-.000001,1:EDTT) S NFOUND=0 F IND=1:1:NNODE D . S NODE=TAXARR("PDS",45,SUB,IND) . S ICDP=TS . F S ICDP=\$O(^PXRMINDX(45,TYPE,"PNI",DFN,NODE,ICDP)) Q:(ICDP>TE)!(ICDP="") D .. I \$D(TAXARR(SUB,ICDP)) Q .. S DATE=DS .. F S DATE=+\$O(^PXRMINDX(45,TYPE,"PNI",DFN,NODE,ICDP,DATE),SDIR) Q:\$S(DATE=0:1,DATE<BDT:1,DATE>EDTT:1,1:0) D ... S DAS="" ... F S DAS=\$O(^PXRMINDX(45,TYPE,"PNI",DFN,NODE,ICDP,DATE,DAS)) Q:DAS="" D S NFOUND=NFOUND+1 S TLIST(DATE,NFOUND)=DAS_U_ICDP_U_NODE_U_TYPE I NFOUND>NGET D S TDATE=\$O(TLIST(""),-SDIR),TIND=\$O(TLIST(TDATE,"")) K TLIST(TDATE,TIND) ;Return up to NGET of the most recent entries. S NFOUND=0 S DATE="" F S DATE=\$O(TLIST(DATE),SDIR) Q:(DATE="")!(NFOUND=NGET) D . S IND=0 . F S IND=\$O(TLIST(DATE,IND)) Q:(IND="")!(NFOUND=NGET) D .. S NFOUND=NFOUND+1 .. S FLIST(DATE,NFOUND,45)=TLIST(DATE,IND) Q ; ;===== GETDATA(DAS,FIEVT) ;Return data for a specified PTF entry. D PTF^DGPTPXRM(DAS,.FIEVT) Q ; ;===== </pre>	

Routine Name	PXRMDGTP
<pre> GPLIST(TAXARR,NOCC,BDT,EDT,TYPE,PLIST) ;Get data for a patient. ;TYPE is ICD0 or ICD9 N DA,DA1,DAS,DATE,DFN,DNODE,DS,ICDP N NFOUND,NODE,NNODE,SUB,TEMP,TLIST I \$G(^PXRMINDEX(45,"DATE BUILT"))="" D Q . D NOINDEX^PXMERRH("TX",TAXARR("IEN"),45) S SUB=\$S(TYPE="ICD0":80.1,TYPE="ICD9":80.1:0) I SUB=0 Q S TLIST="GPLIST_PXRMDGPT" K ^TMP(\$J,TLIST) S NNODE=+\$P(\$G(TAXARR("PDS",45,SUB)),U,2) I NNODE=0 Q S DS=\$S(EDT["":EDT+.0000001,1:EDT+.240001) S ICDP="" F S ICDP=\$O(TAXARR(SUB,ICDP)) Q:ICDP="" D . I '\$D(^PXRMINDEX(45,TYPE,"INP",ICDP)) Q . F IND=1:1:NNODE D .. S NODE=TAXARR("PDS",45,SUB,IND) .. I '\$D(^PXRMINDEX(45,TYPE,"INP",ICDP,NODE)) Q .. S DFN=0 .. F S DFN=\$O(^PXRMINDEX(45,TYPE,"INP",ICDP,NODE,DFN)) Q:DFN="" D ... S DATE=DS ... F S DATE=+\$O(^PXRMINDEX(45,TYPE,"INP",ICDP,NODE,DFN,DATE),-1) Q:(DATE=0)!(DATE<BDT) D S DAS=\$O(^PXRMINDEX(45,TYPE,"INP",ICDP,NODE,DFN,DATE,"")) S ^TMP(\$J,TLIST,DFN,DATE,DAS)=ICDP_U_TYPE_U_NODE ;Return up to NOCC of the most recent entries for each patient. S DFN=0 F S DFN=\$O(^TMP(\$J,TLIST,DFN)) Q:DFN="" D . S NFOUND=0 . S DATE="" . F S DATE=\$O(^TMP(\$J,TLIST,DFN,DATE),-1) Q:(DATE="")!(NFOUND=NOCC) D .. S DAS="" .. F S DAS=\$O(^TMP(\$J,TLIST,DFN,DATE,DAS)) Q:DAS="" D ... S NFOUND=NFOUND+1 ... S TEMP=^TMP(\$J,TLIST,DFN,DATE,DAS) ... S ^TMP(\$J,PLIST,1,DFN,DATE,45)=DAS_U_DATE_U_TEMP K ^TMP(\$J,TLIST) Q ; ;===== MHVOUT(INDENT,OCCLIST,IFIEVAL,NLINES,TEXT) ;Produce the MHV output. I IFIEVAL("FILE SPECIFIC")["ICD0" D MHVOUT0(INDENT,OCCLIST,IFIEVAL,NLINES,TEXT) Q I IFIEVAL("FILE SPECIFIC")["ICD9" D MHVOUT9(INDENT,OCCLIST,IFIEVAL,NLINES,TEXT) Q ; ;===== MHVOUT0(INDENT,OCCLIST,IFIEVAL,NLINES,TEXT) ;Produce the MHV output. N CODE,D0,DATE,ICD0ZN,IND,JND,NAME,NODE,NOUT,PROC N TEMP,TEXTOUT S NAME="Hospitalization Procedure = " S IND=0 F S IND=\$O(OCCLIST(IND)) Q:IND="" D . S DATE=IFIEVAL(IND,"DATE") </pre>	

Routine Name	PXRMDGTP
	<pre> . S D0=\$P(IFIEVAL(IND,"CODEP"),",",1) . S ICD0ZN=\$\$ICDOP^ICDCODE(D0,DATE) . S CODE=\$P(ICD0ZN,U,2) . S PROC=\$P(ICD0ZN,U,5) . S TEMP=NAME_PROC_" ("_\$SEDATE^PXRMDATE(DATE)_)" . D FORMATS^PXRMTTEXT(INDENT+2,PXRMRM,TEMP,.NOUT,.TEXTOUT) . F JND=1:1:NOUT S NLINES=NLINES+1,TEXT(NLINES)=TEXTOUT(JND) S NLINES=NLINES+1,TEXT(NLINES)=" Q ; ;===== MHVOUT9(INDENT,OCCLIST,IFIEVAL,NLINES,TEXT) ;Produce the MHV output. N CODE,DATE,DIAG,ICD9P,ICD9ZN,IND,JND,NAME,NODE,NOUT N TEMP,TEXTOUT S NAME="Hospitalization Diagnosis = " S IND=0 F S IND=\$O(OCCLIST(IND)) Q:IND="" D . S DATE=IFIEVAL(IND,"DATE") . S ICD9P=IFIEVAL(IND,"CODEP") . S ICD9ZN=\$\$ICDDX^ICDCODE(ICD9P,DATE) . S CODE=\$P(ICD9ZN,U,2) . S DIAG=\$P(ICD9ZN,U,4) . S TEMP=NAME_DIAG_" ("_\$SEDATE^PXRMDATE(DATE)_)" . D FORMATS^PXRMTTEXT(INDENT+2,PXRMRM,TEMP,.NOUT,.TEXTOUT) . F JND=1:1:NOUT S NLINES=NLINES+1,TEXT(NLINES)=TEXTOUT(JND) S NLINES=NLINES+1,TEXT(NLINES)=" Q ; ;===== OUTICD0(INDENT,OCCLIST,IFIEVAL,NLINES,TEXT) ;Produce the clinical ;maintenance output. N CODE,D0,DATE,ICD0ZN,IND,JND,NODE,NOUT,PROC N TEMP,TEXTOUT S NLINES=NLINES+1 S TEXT(NLINES)=\$\$INSCHR^PXRMECLC(INDENT," ") "Hospitalization Procedure: " S IND=0 F S IND=\$O(OCCLIST(IND)) Q:IND="" D . S DATE=IFIEVAL(IND,"DATE") . S TEMP=\$SEDATE^PXRMDATE(DATE) . S D0=\$P(IFIEVAL(IND,"CODEP"),",",1) . S ICD0ZN=\$\$ICDOP^ICDCODE(D0,DATE) . S CODE=\$P(ICD0ZN,U,2) . S PROC=\$P(ICD0ZN,U,5) . S NODE=\$P(IFIEVAL(IND,"FILE SPECIFIC"),U,1) . S TEMP=TEMP_"_"_CODE_"_"_PROC_"_data node: "_NODE . D FORMATS^PXRMTTEXT(INDENT+2,PXRMRM,TEMP,.NOUT,.TEXTOUT) . F JND=1:1:NOUT S NLINES=NLINES+1,TEXT(NLINES)=TEXTOUT(JND) S NLINES=NLINES+1,TEXT(NLINES)=" Q ; ;===== OUTICD9(INDENT,OCCLIST,IFIEVAL,NLINES,TEXT) ;Produce the clinical ;maintenance output. N CODE,DATE,DIAG,ICD9P,ICD9ZN,IND,JND,NODE,NOUT </pre>

Routine Name	PXRMDGTP
<pre> N TEMP,TEXTOUT S NLINES=NLINES+1 S TEXT(NLINES)=\$\$INSCHR^PXRMECLC(INDENT," ")_"Hospitalization Diagnosis: " S IND=0 F S IND=\$O(OCCLIST(IND)) Q:IND="" D . S DATE=IFIEVAL(IND,"DATE") . S TEMP=\$\$EDATE^PXRMDATE(IND) . S ICD9P=IFIEVAL(IND,"CODEP") . S ICD9ZN=\$\$ICDDX^ICDCODE(ICD9P,DATE) . S CODE=\$P(ICD9ZN,U,2) . S DIAG=\$P(ICD9ZN,U,4) . S NODE=\$P(IFIEVAL(IND,"FILE SPECIFIC"),U,1) . S TEMP=TEMP_"_"CODE_"_"DIAG_" data node: "_NODE . I \$G(IFIEVAL(IND,"FEE BASIS")) S TEMP=TEMP_" (Fee)" . D FORMATS^PXRMTTEXT(INDENT+2,PXRMRM,TEMP,.NOUT,.TEXTOUT) . F JND=1:1:NOUT S NLINES=NLINES+1,TEXT(NLINES)=TEXTOUT(JND) S NLINES=NLINES+1,TEXT(NLINES)="" Q ; ;===== OUTPUT(INDENT,OCCLIST,IFIEVAL,NLINES,TEXT) ;Produce the clinical ;maintenance output. I IFIEVAL("FILE SPECIFIC")["ICD0" D OUTICD0(INDENT,.OCCLIST,.IFIEVAL,.NLINES,.TEXT) Q I IFIEVAL("FILE SPECIFIC")["ICD9" D OUTICD9(INDENT,.OCCLIST,.IFIEVAL,.NLINES,.TEXT) Q ; </pre>	

4.8.11. Field Definition

The following table provides the field definition for the display only of the Camp Lejeune indicator on the Registration Eligibility Screen.

Field Name	
Field Description	Was treatment related to Camp Lejeune
Field #	
Node #	
Piece #	
New Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Data Type	<input type="checkbox"/> Date/Time <input type="checkbox"/> Numeric <input checked="" type="checkbox"/> Set of Codes <input type="checkbox"/> Free Text <input type="checkbox"/> Pointer to a File <input type="checkbox"/> Variable-Pointer
Identifier	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uneditable Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mandatory Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Documentation or Help Changes Necessary	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Field Name	
Field Definition	Camp Lejeune Vet
Input/Output Transform	
Cross-Reference (ID and type)	<input type="checkbox"/> Regular <input type="checkbox"/> Kwic <input type="checkbox"/> Mnemonic <input type="checkbox"/> Mumps <input type="checkbox"/> Soundex <input type="checkbox"/> Trigger <input type="checkbox"/> Bulletin

4.8.11.1. Mail Groups

This category is not applicable for the CLVS project.

Mail Group Name		
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
Data Dictionary (DD) References		
Related Protocols		
Mail Group Description		
Self Enrollment Allowed	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Type	<input type="checkbox"/> Public <input type="checkbox"/> Private	

4.8.11.2. Protocols

This category is not applicable for the CLVS project.

Protocol Name	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Associated Protocols	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference
Item Text Description	N/A
Protocol Type	<input type="checkbox"/> Action <input type="checkbox"/> Menu <input type="checkbox"/> Protocol <input type="checkbox"/> Protocol Menu <input type="checkbox"/> Limited Protocol <input type="checkbox"/> Extended Action <input type="checkbox"/> Dialog <input type="checkbox"/> Other
Associated Routine	
Current Entry Action Logic	
Modified Entry Action Logic (Changes are in bold)	

Protocol Name	
Current Exit Action Logic	
Modified Exit Action Logic (Changes are in bold)	

4.8.11.3. Remote Procedure Call (RPC)

This category is not applicable for the CLVS project.

Name	
TAG^RTN	
Input Parameters	
Results Array	<input type="checkbox"/> Single Value <input type="checkbox"/> Array <input type="checkbox"/> Word Processing <input type="checkbox"/> Global Array <input type="checkbox"/> Global Instance
Description	

4.8.11.4. Constants Defined in Interface

This category is not applicable for the CLVS project.

Name	Description

4.8.11.5. Variables Defined in Interface

This category is not applicable for the CLVS project.

Name	Type	Description

4.8.11.6. Types Defined in Interface

This category is not applicable for the CLVS project.

Name	Type	Description

4.8.11.7. Graphic User Interface (GUI)

This category is not applicable for the CLVS project.

Unit Name	

4.8.11.8. Routines (Entry Points – Scheduling)

The following routines (SDAMEP2 and SDAMEP2) will be used to modify the Scheduling.

Routine Name	SDAMEP2			
Enhancement Category	<input type="checkbox"/> New	<input checked="" type="checkbox"/> Modify	<input type="checkbox"/> Delete	<input type="checkbox"/> No Change
Related Options				
Related Routines	Routines “Called By”	Routines “Called”		
	SDAMEP1	DGPMV10,SDAMEP1,VALM1		
Requirement Traceability Matrix		The system shall provide a capability to display the Camp Lejeune eligibility.		
Data Dictionary (DD) References	PATIENT FILE#2			
Related Protocols				
Related Integration Control Registrations (ICRs)				
Data Passing	<input type="checkbox"/> Input	<input type="checkbox"/> Output Reference	<input checked="" type="checkbox"/> Both	<input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine			
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine			
Current Logic				
<pre> SDAMEP2 ;ALB/CAW - Extended Display (Patient Data) ; 11/13/02 ;;5.3;Scheduling;**258,325,441**;Aug 13, 1993;Build 14 ; PDATA ; Patient Data F SD=0,.11,.13,.32,.322,.321,.36,.52 S SD(SD)=\$G(^DPT(DFN,SD)) S SD("CV")=\$CVEDT^DGCVC(DFN,SDT) S VAIP("D")="L",VAIP("L")="" D INP^DGPMV10 S SDFSTCOL=16,SDSECCOL=60 S X="" D SET^SDAMEP1(\$SETSTR^VALM1("*** Patient Information ***",X,25,30)) D CNTRL^VALM10(SDLN,25,30,IOINH,IOINORM) PTDOB ; Date of Birth and SSN Info ; S X="",X=\$SETSTR^VALM1("Date of Birth:",X,1,14) S X=\$SETSTR^VALM1(\$FTIME^VALM1(\$P(SD(0),U,3)),X,SDFSTCOL,18) S X=\$SETSTR^VALM1(" ID:",X,55,4) S X=\$SETSTR^VALM1(VA("PID"),X,SDSECCOL,20) D SET^SDAMEP1(X) PTSEX ; Sex and Marital Status Info ; S X="",X=\$SETSTR^VALM1("Sex:",X,11,4) S X=\$SETSTR^VALM1(\$S(\$P(SD(0),U,2)="F":"FEMALE",\$P(SD(0),U,2)="M":"MALE",1:"UNKNOWN"),X,SDFSTCOL,18) S X=\$SETSTR^VALM1("Marital Status:",X,44,15) </pre>				

Routine Name	SDAMEP2
	<pre> S X=\$\$SETSTR^VALM1(\$P(\$G(^DIC(11,\$P(SD(0),U,5),0)),U),X,SDSECCOL,20) D SET^SDAMEP1(X) PTREL ; Religious Pref. Info ; S X="",X=\$\$SETSTR^VALM1("Religious Pref.:",X,43,16) S X=\$\$SETSTR^VALM1(\$P(\$G(^DIC(13,\$P(SD(0),U,8),0)),U),X,SDSECCOL,20) D SET^SDAMEP1(X) PTMT ; Means Test Info ; S SDMT=\$\$LST^DGMTU(DFN),X="" G:\$P(SDMT,U,4)="N" PTCO I +SDMT D G PTMTQ .S X=\$\$SETSTR^VALM1("Means Test:",X,4,11) .S X=\$\$SETSTR^VALM1(\$P(\$FMT^SDUTL2(DFN),U),X,SDFSTCOL,20) .S X=\$\$SETSTR^VALM1("Last Means Test:",X,43,16) .S X=\$\$SETSTR^VALM1(\$FDATE^VALM1(\$P(SDMT,U,2)),X,SDSECCOL,20) PTCO S SDMT=\$\$LST^DGMTU(DFN,"",2),X="" I +SDMT D .S X=\$\$SETSTR^VALM1("Co-Pay Test:",X,3,12) .S X=\$\$SETSTR^VALM1(\$P(\$FCO^SDUTL2(DFN),U,2),X,SDFSTCOL,10) .S X=\$\$SETSTR^VALM1("Last Co-Pay Test:",X,42,17) .S X=\$\$SETSTR^VALM1(\$FDATE^VALM1(\$P(SDMT,U,2)),X,SDSECCOL,20) PTMTQ D SET^SDAMEP1(X) PTELG ; Primary Eligibility and Period of Service Info ; S X="",X=\$\$SETSTR^VALM1("Primary Elig.:",X,1,14) S X=\$\$SETSTR^VALM1(\$P(\$G(^DIC(8,\$P(SD(.36),U,0)),U,6),X,SDFSTCOL,21) S X=\$\$SETSTR^VALM1("POS:",X,55,4) S X=\$\$SETSTR^VALM1(\$P(\$G(^DIC(21,\$P(SD(.32),U,3),0)),U),X,SDSECCOL,20) D SET^SDAMEP1(X) PTADD ; Patient Address ; S X="",X=(\$\$SETSTR^VALM1("Address:",X,7,8)) S X=\$\$SETSTR^VALM1("Phone:",X,53,6) S X=\$\$SETSTR^VALM1(\$P(SD(.13),U),X,SDSECCOL,20) D SET^SDAMEP1(X) S X="",X=(\$\$SETSTR^VALM1(\$P(SD(.11),U),X,10,30)) S X=\$\$SETSTR^VALM1("Cell Phone:",X,48,11) S X=\$\$SETSTR^VALM1(\$S((\$P(SD(.13),U,4)=""):P(SD(.13),U,4),1:"UNANSWERED"),X,SDSECCOL,20) D SET^SDAMEP1(X) S X="",SDPAGFLG=0 I \$P(SD(.11),U,2)=" " D .S X="",X=(\$\$SETSTR^VALM1(\$P(SD(.11),U,2),X,10,30)) .S X=\$\$SETSTR^VALM1("Pager #:",X,51,8) .S X=\$\$SETSTR^VALM1(\$S((\$P(SD(.13),U,5)=""):P(SD(.13),U,5),1:"UNANSWERED"),X,SDSECCOL,20),SDP AGFLG=1 D:X'="" SET^SDAMEP1(X) ; retrieve country info -- PERM country is piece 10 of .11 N FILE,CNTRY,FORIEN,FOREIGN S FILE=779.004,FORIEN=\$P(SD(.11),U,10),CNTRY=\$\$GET1^DIQ(FILE,FORIEN_",",2),CNTRY=\$\$UPPER^VA LM1(CNTRY),FOREIGN=\$\$FORIEN^DGADDUTL(FORIEN) I FOREIGN D .N SDZIP S SDZIP=\$P(SD(.11),U,12) S:\$E(SDZIP,6,10)=" " SDZIP=\$E(SDZIP,1,5)_"_"\$E(SDZIP,6,10) .S X="",X=(\$\$SETSTR^VALM1(\$P(SD(.11),U,4) ", " \$P(\$G(^DIC(5,\$P(SD(.11),U,5),0)),U) " </pre>

Routine Name	SDAMEP2
	<pre> "_SDZIP,X,10,45)) E D S X="",X=(\$SETSTR^VALM1(\$P(SD(.11),U,9)_"_"\$P(SD(.11),U,4)_"_"\$P(SD(.11),U,8),X,10,45)) I 'SDPAGFLG D S X=\$SETSTR^VALM1("Pager #:",X,51,8) S X=\$SETSTR^VALM1((\$(\$P(SD(.13),U,5)=""):P(SD(.13),U,5),1:"UNANSWERED"),X,SDSECCOL,20) D SET^SDAMEP1(X) K SDPAGFLG S X="",X=\$SETSTR^VALM1(CNTRY,X,10,45) D SET^SDAMEP1(X) S X="",X=\$SETSTR^VALM1("EMAIL ADDRESS:",X,1,14) S X=\$SETSTR^VALM1((\$(\$P(SD(.13),U,3)=""):P(SD(.13),U,3),1:"UNANSWERED"),X,SDFSTCOL,45) D SET^SDAMEP1(X) PTEXP ; Radiation and Status ; S X="",X=\$SETSTR^VALM1("Radiation Exposure:",X,1,19) S X=\$SETSTR^VALM1(\$FYNUNK^SDUTL2(\$P(SD(.321),U,3)),X,21,7) S X=\$SETSTR^VALM1("Status:",X,52,7) S A=\$S("^3^5^"["^"+DGPMVI(2)_"^"):0,1:+DGPMVI(2)),SDST=\$S('A:"IN",1:"")_"ACTIVE ",SDSTA=\$S("^4^5^"["^"+DGPMVI(2)_"^"):1:"LODGER",1:"INPATIENT") I \$D(^DGPM("C",DFN)) S SDST="NO INPT./LOD. ACT.",SDSTA="" S X=\$SETSTR^VALM1(SDST_SDSTA,X,SDSECCOL,20) D SET^SDAMEP1(X) PTPOW ; Prisoner of War Info and Last Admission Date ; S X="",X=\$SETSTR^VALM1("Prisoner of War:",X,4,16) S X=\$SETSTR^VALM1(\$FYNUNK^SDUTL2(\$P(SD(.52),U,5)),X,21,7) S X=\$SETSTR^VALM1("Last Admit/Lodger Date:",X,36,23) I +DGPMVI(13,1) S X=\$SETSTR^VALM1(\$FTIME^VALM1(+DGPMVI(13,1)),X,SDSECCOL,18) D SET^SDAMEP1(X) PTAO ; Agent Orange Exposure and Last Discharge Date S X="",X=\$SETSTR^VALM1("AO Exp/Loc:",X,9,11) S X=\$SETSTR^VALM1(\$FYNUNK^SDUTL2(\$P(SD(.321),U,2))_\$S(\$P(SD(.321),U,13)="V":"/VIET",\$P(SD(.3 21),U,13)="K":"/DMZ",\$P(SD(.321),U,13)="O":"/OTH",1:""),X,21,14) S X=\$SETSTR^VALM1("Last Disch./Lodger Date:",X,35,24) S SDDISCH=+\$G(^DGPM(+DGPMVI(17),0)) I +SDDISCH S X=\$SETSTR^VALM1(\$FTIME^VALM1(SDDISCH),X,SDSECCOL,18) D SET^SDAMEP1(X) CV ;Combat vet S X="",X=\$SETSTR^VALM1("Combat Veteran:",X,5,15) S X=\$SETSTR^VALM1(\$FYNUNK^SDUTL2(\$S(\$P(SD("CV"),U,1)>0:"Y",1:"N")),X,21,7) S X=\$SETSTR^VALM1("Combat Veteran End Date:",X,35,24) I \$P(SD("CV"),U,1)>0 D S X=\$SETSTR^VALM1(\$FTIME^VALM1(\$P(SD("CV"),U,2)),X,SDSECCOL,18) E S X=\$SETSTR^VALM1("N/A",X,SDSECCOL,3) D SET^SDAMEP1(X) SHAD ;PROJ 112/SHAD S X="",X=\$SETSTR^VALM1("PROJ 112/SHAD:",X,6,14) S X=\$SETSTR^VALM1(\$FYNUNK^SDUTL2(\$S(\$P(SD(.321),U,15)>0:"Y",1:"N")),X,21,7) SWASIA ;SW Asia S X=\$SETSTR^VALM1("SW Asia Conditions:",X,40,19) S X=\$SETSTR^VALM1(\$FYNUNK^SDUTL2(\$P(SD(.322),U,13)),X,SDSECCOL,20) </pre>

Routine Name	SDAMEP2
D SET^SDAMEP1(X) D SET^SDAMEP1("") Q	

Routine Name	SDAMEP1		
Enhancement Category	<input type="checkbox"/> New	<input checked="" type="checkbox"/> Modify	<input type="checkbox"/> Delete <input type="checkbox"/> No Change
Related Options			
Related Routines	Routines "Called By"	Routines "Called"	
	SDAMEP	VALM1	
Requirement Traceability Matrix		The system shall provide a capability to display the Camp Lejeune eligibility.	
Data Dictionary (DD) References	PATIENT FILE#2		
Related Protocols			
Related Integration Control Registrations (ICRs)			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine		
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine		
Current Logic			
SDAMEP1 ;ALB/CAW - Expanded Display (Appt. Data) ; 16 May 2001 4:49 PM ; Compiled August 22, 2008 12:24:32 ;;5.3;Scheduling;**20,241,534**;Aug 13, 1993;Build 8 ; APDATA ; Appointment Data ;			

Routine Name	SDAMEP1
	<pre> D SET(\$SETSTR^VALM1("*** Appointment Demographics ***", "", 24, 32)) D CNTRL^VALM10(SDLN, 24, 32, IOINH, IOINORM) D SET("") ; S X="" S X=\$SETSTR^VALM1(" Name:", X, 1, SDWIDTH) S X=\$SETSTR^VALM1(\$P(\$G(^DPT(DFN, 0)), U), X, SDFSTCOL, 24) S X=\$SETSTR^VALM1(" Clinic:", X, 40, SDWIDTH) S X=\$SETSTR^VALM1(\$P(\$G(^SC(SDCL, 0)), U), X, SDSECCOL, 24) D SET(X) ; S X="" S X=\$SETSTR^VALM1(" ID:", X, 1, SDWIDTH) S X=\$SETSTR^VALM1(VA("PID"), X, SDFSTCOL, 24) S X=\$SETSTR^VALM1(" Date/Time:", X, 40, SDWIDTH) S X=\$SETSTR^VALM1(\$FTIME^VALM1(SDT), X, SDSECCOL, 24) D SET(X) ; S X="" S X=\$SETSTR^VALM1(" Status:", X, 1, SDWIDTH) S X=\$SETSTR^VALM1(\$P(\$STATUS^SDAM1(DFN, SDT, SDCL, \$G(^DPT(DFN, "S", SDT, 0)), SDDA), "", 3), X, S DFSTCOL, 50) D SET(X) ; S SDPV=\$P(\$G(^DPT(DFN, "S", SDT, 0)), U, 7), SDPOV=\$S(SDPV=1:"C&P", SDPV=2:"10- 10", SDPV=3:"SCHEDULED", SDPV=4:"UNSCHEDULED", 1:"UNKNOWN") S X="", X=\$SETSTR^VALM1("Purpose of Vst.:", X, 1, 16) S X=\$SETSTR^VALM1(SDPOV, X, SDFSTCOL, 24) D SET(X) ; S X="" S X=\$SETSTR^VALM1(" Length of Appt:", X, 1, SDWIDTH) S X=\$SETSTR^VALM1(\$G(SDSC(44.003, SDDA, 1)), X, SDFSTCOL, 4) S X=\$SETSTR^VALM1(" Appt Type:", X, 40, SDWIDTH) S X=\$SETSTR^VALM1(SDPT(2.98, SDT, 9.5), X, SDSECCOL, 24) D SET(X) ; S X="" S X=\$SETSTR^VALM1(" Lab:", X, 1, SDWIDTH) S X=\$SETSTR^VALM1(\$P(SDPT(2.98, SDT, 5), "@", 2), X, SDFSTCOL, 5) S X=\$SETSTR^VALM1(" Elig of Appt:", X, 40, SDWIDTH) S X=\$SETSTR^VALM1(\$G(SDSC(44.003, SDDA, 30)), X, SDSECCOL, 24) D SET(X) ; S X="" S X=\$SETSTR^VALM1(" X-ray:", X, 1, SDWIDTH) S X=\$SETSTR^VALM1(\$P(SDPT(2.98, SDT, 6), "@", 2), X, SDFSTCOL, 5) S X=\$SETSTR^VALM1(" Overbook:", X, 40, SDWIDTH) S X=\$SETSTR^VALM1(\$G(SDSC(44.003, SDDA, 9)), X, SDSECCOL, 24) D SET(X) ; S X="" S X=\$SETSTR^VALM1(" EKG:", X, 1, SDWIDTH) </pre>

Routine Name	SDAMEP1
	<pre> S X=\$\$SETSTR^VALM1(\$P(SDPT(2.98,SDT,7),"@",2),X,SDFSTCOL,5) S X=\$\$SETSTR^VALM1("Collateral Appt:",X,40,SDWIDTH) S X=\$\$SETSTR^VALM1(\$G(SDPT(2.98,SDT,13)),X,SDSECCOL,17) D SET(X) ; S X="" N SDINFL S SDINFL=\$L(\$G(SDSC(44.003,SDDA,3))) ; lenght of INFO STRING I SDINFL<64 D .S X=\$\$SETSTR^VALM1(" Other:",X,1,SDWIDTH) .S X=\$\$SETSTR^VALM1(\$G(SDSC(44.003,SDDA,3)),X,SDFSTCOL,63) I SDINFL>63&(SDINFL<143) D .S X=\$\$SETSTR^VALM1(" Other:",X,1,SDWIDTH) .S X=\$\$SETSTR^VALM1(\$E(\$G(SDSC(44.003,SDDA,3)),1,64),X,17,80) .D SET(X) .S X=\$\$SETSTR^VALM1("",X,1,0) .S X=\$\$SETSTR^VALM1(\$E(\$G(SDSC(44.003,SDDA,3)),65,150),X,1,80) I SDINFL>142 D .S X=\$\$SETSTR^VALM1(" Other:",X,1,10) .S X=\$\$SETSTR^VALM1(\$E(\$G(SDSC(44.003,SDDA,3)),1,70),X,11,80) .D SET(X) .S X=\$\$SETSTR^VALM1("",X,1,0) .S X=\$\$SETSTR^VALM1(\$E(\$G(SDSC(44.003,SDDA,3)),71,150),X,1,80) D SET(X) ; S (X,SDEIC)="" F SDI=0:0 S SDI=\$O(^DPT(DFN,"DE",SDI)) Q:'SDI I \$P(^SDI,0,U)=SDCL F SDX=0:0 S SDX=\$O(^DPT(DFN,"DE",SDI,1,SDX)) Q:'SDX S SDEN=\$G(^DPT(DFN,"DE",SDI,1,SDX,0)) D ENROLL D SET(\$S(SD(SDFLG):X,1:" ")) S X="",X=\$\$SETSTR^VALM1(\$S('SD(SDEN):',"", \$P(SDEN,U)=""::,"", \$P(SDEN,U,3)=""::"Enrollment Date/Time:",1:""),X,4,21) I SD(SDEN),+SDEN,\$P(SDEN,U,3)="" S X=\$\$SETSTR^VALM1(\$\$FTIME^VALM1(\$P(SDEN,U)),X,26,18) D SET(X) Q ; ENROLL ; S SDFLG=1 S X="",X=\$\$SETSTR^VALM1("Enrolled in this clinic:",X,1,25) S X=\$\$SETSTR^VALM1(\$S('SD(SDEN):"NO",\$P(SDEN,U)=""::"NO",\$P(SDEN,U,3)=""::"NO",1:"YES"),X,26,3) S X=\$\$SETSTR^VALM1(\$S('SD(SDEN):',"", \$P(SDEN,U)=""::,"", \$P(SDEN,U,3)=""::" OPT or AC:", \$P(SDEN,U,3)=""::"Disch fm Clinic:",1:""),X,44,17) I SD(SDEN),+SDEN,\$P(SDEN,U,3)="" S X=\$\$SETSTR^VALM1(\$S(\$P(SDEN,U,2)="A":"AC",1:"OPT"),X,SDSECCOL,3) I SD(SDEN),+SDEN,\$P(SDEN,U,3)="" S X=\$\$SETSTR^VALM1(\$\$FTIME^VALM1(\$P(SDEN,U,3)),X,62,17) Q SET(X) ; Set in ^TMP global for display ; S SDLN=SDLN+1,^TMP("SDAMEP",\$J,SDLN,0)=X Q ; INIT ; -- set up vars N DR,DIQ,DIC,DA </pre>

Routine Name	SDAMEP1
D PID^VADPT6 S SDFSTCOL=18,SDWIDTH=16,SDSECCOL=57 I SDDA="" S SDDA=+\$FIND^SDAM2(DFN,SDT,SDCL) S SDOE=+\$P(\$G(^DPT(DFN,"S",SDT,0)),"^",20) S DIQ="SDPT(",DIC="^DPT(DFN,""S""",",DA=SDT,DR=".01;3;5;6;7;12;13;14;15;16;9.5;17;19;20;25;26;27;28" D EN^DIQ1 S DIQ="SDSC(",DIC="^SC(SDCL,""S""",SDT,1,"DA=SDDA,DR="1;3;7;8;9;30;309;302;303;304;306" D EN^DIQ1 I \$G(SDOE) S DIQ="SDOE(",DIC="^SCE(",DA=+SDOE,DR=".07" D EN^DIQ1 I \$D(SDSC(44.003,SDDA,30)),SDSC(44.003,SDDA,30)="" S SDSC(44.003,SDDA,30)=\$P(\$G(^DIC(8,\$G(^DPT(DFN,.36)),0)),U) I \$D(SDSC(44.003,SDDA,9)),SDSC(44.003,SDDA,9)="" S SDSC(44.003,SDDA,9)="NO" I \$D(SDPT(2.98,SDT,13)),SDPT(2.98,SDT,13)="" S SDPT(2.98,SDT,13)="NO" S DIQ(0)="I",DIQ="SDPTI(",DIC="^DPT(DFN,""S""",",DA=SDT,DR="3;20;25;26;27;28" D EN^DIQ1 Q	

4.8.11.9. Components on Form

This category is not applicable for the CLVS project.

Name	Type	Description

4.8.11.10. Events

This category is not applicable for the CLVS project.

Name	Type	Description

4.8.11.11. Methods

This category is not applicable for the CLVS project.

Method Name	Procedure/Function	Description

4.8.11.12. Special References

This category is not applicable for the CLVS project.

Special References Name	Type	Description

4.8.11.13. Class Events

This category is not applicable for the CLVS project.

Name	Type	Description

4.8.11.14. Class Methods

This category is not applicable for the CLVS project.

Name	Procedure/Function	Description

4.8.11.15. Class Properties

This category is not applicable for the CLVS project.

Class Properties Name	Type	Visibility	Description

4.8.11.16. Uses Clause

This category is not applicable for the CLVS project.

4.8.11.17. Form

This category is not applicable for the CLVS project.

Form Name				
Enhancement Category	<input type="checkbox"/> New	<input type="checkbox"/> Modify	<input type="checkbox"/> Delete	<input type="checkbox"/> No Change
Form Functionality				
Current Form Layout				
Modified Form Layout (Changes are in bold)				

4.8.11.18. Function

This category is not applicable for the CLVS project.

Function Name			
Short Description			
Enhancement Category	<input type="checkbox"/> New	<input type="checkbox"/> Modify	<input type="checkbox"/> Delete <input type="checkbox"/> No Change
Related Options			
Related Routines	Routines "Called By"	Routines "Called"	

Function Name					
Data Dictionary (DD) References					
Related Protocols					
Related Integration Control Registrations (ICRs)					
Data Passing	<input type="checkbox"/> Input	<input type="checkbox"/> Output	<input type="checkbox"/> Both	<input type="checkbox"/> Global Reference	<input type="checkbox"/> Local Reference
Input Attribute Name and Definition	Name: Definition:				
Output Attribute Name and Definition	Name: Definition:				
Current Logic					
Modified Logic (Changes are in bold)					

4.8.11.19. Dialog

This category is not applicable for the CLVS project.

Dialog Message (Description)				
Enhancement Category	<input type="checkbox"/> New	<input type="checkbox"/> Modify	<input type="checkbox"/> Delete	<input type="checkbox"/> No Change
Dialog Message (Description) Condition				
Current Dialog Message (Description)				
Modified Dialog Message (Description) (Changes are in bold)				

4.8.11.20. Help Frame

This category is not applicable for the CLVS project. PM and analysts add HELP text.

Help Frame Text				
Enhancement Category	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Modify	<input type="checkbox"/> Delete	<input type="checkbox"/> No Change
Help Frame Text Calling Mechanism				
Current Help Frame Text				

Help Frame Text	
Modified Help Frame Text (Changes are in bold)	
TBD	

4.8.11.21. Health Level 7 (HL7) Application Parameter

HL7 Application Parameter Name	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
	Current Modified
Application Status	<input type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Active <input type="checkbox"/> Inactive
Facility Name	
Country Code	
HL7 Field Separator	
HL7 Encoding Characters	
Mail Group	

4.8.11.22. Health Level 7 (HL7) Logical Link

This category is not applicable for the CLVS project.

HL7 Logical Link Parameter Name	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
	Current Modified
Node	
Institution	
Domain	
Autostart	
Queue Size	
LLP Type	

4.8.11.23. Application Program Interface (API)

Communication Method	
Application Interface	

4.9. Surgery

4.9.1. Identification of Camp Lejeune Status When a Surgery Case is Created or Edited

If the patient has the Camp Lejeune Status identification, creating or editing the Surgery case shall display a prompt. The prompt asks if the procedure relates to the patient's Camp Lejeune status. Below are the affected Surgery options:

- Requests Menu:
 - Make Operation Request;
 - Make a Request from the Waiting List;
 - Make a Request for Concurrent Cases;
 - Delete or Update Operation Requests; and
 - Requests by Ward;
- Schedule Operations Menu:
 - Schedule Unrequested Operation;
 - Schedule Unrequested Concurrent Cases; and
 - Reschedule or Update a Scheduled Operation

Any of the following options on the Schedule Operations menu may prompt for the SC/EI questions:

- SS Surgical Staff;
- OS Operation Startup;
- Operation;
- PO Post Operation;
- OSS Operation (Short Screen);
- New Surgery Entry: Enter New Surgical Case;
- Deletion of Surgery Case: Delete Surgery Case;
- V Surgeon's Verification of Diagnosis & Procedures;
- AR Anesthesia Report; and
- NR Nurse Intraoperative Report.

4.9.2. Surgery Displays of Prompts Related to Camp Lejeune

If the patient's record contains the Camp Lejeune Status "Y" (Yes, Camp Lejeune), the user shall be prompted to indicate if the treatment is related to Camp Lejeune. An example of the proposed Camp Lejeune prompt that the user could be follows:

"Was treatment related to Camp Lejeune? (Y/N)"

4.9.3. Surgery Displays shall not prompt user entry

If the patient record does not indicate Camp Lejeune status, then the user shall not be prompted to indicate if the procedure is related to Camp Lejeune.

4.9.4. Display of Camp Lejeune Prompts

When prompting for the classification information, Surgery displays the patient's eligibility status.

- The prompting order normally shall be listed in this order: SC, CV, AO, IR, EC, MST, HNC, SHAD, and Camp Lejeune.
- Service Connection (SC) condition: If the patient is SC, the listed order shall skip AO, IR, and EC, and then add Camp Lejeune after the other EIs of CV, MST, and HNC (i.e., CV, MST, HNC, SHAD, Camp Lejeune).
- Non-Service Connection (NSC) condition: If the patient is NSC, Surgery shall list in the following order: CV, AO, IR, EC, MST, HNC, SHAD, and Camp Lejeune.
- Identification of Camp Lejeune Status when a Surgery case is coded:

4.9.5. International Classification of Diseases (ICD)

When entering an International Classification of Diseases (ICD) Diagnosis Code using the Update/Verify Procedure/Diagnosis Codes Option, the user shall be asked whether the diagnosis is related to the patient's Camp Lejeune exposure

4.9.5.1. System Requirement: Modifications Made to Non-Operating Room (OR) Procedure Options That Create or Edit Non-OR Procedure Cases

Modifications shall include any instances with editing of classification data of Camp Lejeune IEs to Non-OR Procedure cases. Options for Non-OR Procedures follow:

- Non-O.R. Procedures, Menu (Enter/Edit); and
- Edit Non-O.R. Procedure.

4.9.5.2. Identification of Camp Lejeune Status When a Surgery Case is Coded

When entering a planned ICD Diagnosis Code using the Surgeon's Verification of Diagnosis & Procedures, the system shall ask the user whether the diagnosis is related to the patient's Camp Lejeune exposure.

4.9.6. Feed Camp Lejeune Information to PCE When a Surgery Case is Coded

When coding of the Surgery case is completed, the user sends the Surgery case to PCE. The new Camp Lejeune indicator shall be included when the Surgery case is sent to PCE.

4.9.7. Feed Camp Lejeune Information to PCE when a Non-OR Case is Coded

At the completion of coding a Non-OR case, the user sends the Surgery case to PCE. The new Camp Lejeune Indicator shall be included when the Non-OR case is sent to PCE.

4.10. Pharmacy

The Pharmacy section includes outpatient, inpatient processing, New Medication and Refills.

Business Need

Add processing of the Camp Lejeune Environmental Indicator (EI) during the medication order entry process for eligible Veterans for this benefit.

4.10.1. System Requirement

For those Veterans who are eligible for the Camp Lejeune exemption benefit, Outpatient Pharmacy (OP) shall ask the Ordering Provider or pharmacist, depending on the order being

initiated by CPRS or Pharmacy “backdoor” order entry, if the medication order is related to a Camp Lejeune condition. This information shall be collected in the PRESCRIPTION file #52 and any other temporary prescription files that collect this information.

4.10.2. System Requirement

OP shall ensure compliance with the modified business rules for SC conditions. If the Veteran is rated SC, regardless of percentage, the system shall prompt the user during the time of medication order whether the treatment is related to an SC condition. Specifically, the DBIA #4666 allows the Ordering Provider to update the SC, EI, or ICD-9 information when placing a verbal order and it requires an electronic signature.

4.10.3. Pharmacy Communication with IB, CPRS, and Scheduling Regarding Camp Lejeune, and SC Business Rule Modifications

Two EIs are related to this project but only one directly impacts the scope of work that Pharmacy provides that is specific to this project. If the Veteran is eligible, Pharmacy shall provide the prompt to CPRS for the Ordering Provider to answer if the treatment is related to a Camp Lejeune condition.

4.10.4. System Requirement

OP shall update the Copay Activity Log when Copayment conditions have changed by Outpatient Pharmacy via the Reset Copay Status/Cancel Charges option. The Reason Codes shall include the new Camp Lejeune EI. The IB Charge Remove Reasons file (#350.3) shall present all of these reason codes.

4.10.5. Check if treatment is related to a Camp Lejeune condition.

During the processing of a new order, if the patient is eligible for the Camp Lejeune status, then the software shall prompt the user with the following question and expect a positive or negative response (“Yes” or “No”). If the user enters a caret symbol, “^”, from the keyboard the order shall be deleted.

“Was Treatment Related To Camp Lejeune

4.10.5.1. System Requirement: Required Camp Lejeune Prompt End-User Response

During the processing of a new order, a response to the Camp Lejeune prompt during Outpatient Pharmacy order entry shall be mandatory.

4.10.5.2. Camp Lejeune Copay Exemption Processing

If the answer to the Camp Lejeune question is “YES” and the prescription is deemed billable, then the copay status shall be changed to “NO COPAY” and the Camp Lejeune copay exemption flag will default to “YES.”

4.10.5.3. Camp Lejeune Copay Non-Exempt Processing.

If the answer to the Camp Lejeune question “NO” and the prescription is deemed billable, then the copay will remain as is. The Camp Lejeune copay exemption flag shall default to “NO” and processing will continue as normal.

4.10.5.4. Storage of the End-User Prompt Response.

The Camp Lejeune prompt answer provided shall be stored in the PRESCRIPTION file (#52).

4.10.6. Camp Lejeune Status Pharmacy Changes and CPRS (Release 2 and Release 3)

Any changes made to the Camp Lejeune or any of the medication copay exemption, EI values shall be passed to CPRS.

4.10.6.1. Complete Orders from Order Entry/Results Reporting (OE/RR) [PSO LMOE FINISH]

- API to CPRS to pass Camp Lejeune Eligibility data
- The API [SCNEW^PSOCP] shall be modified to include the CAMP LEJEUNE EI prompt. This functionality currently exists for the existing copay exemption flags such as Agent Orange and MST. This API is a supported DBIA, #2534.

4.10.7. OP obtaining of Camp Lejeune Flag Information from CPRS

- The current order placed in CPRS shall be modified to include the Provider response to the Camp Lejeune questions.
- This data shall be passed to the OP application via the PENDING OUTPATIENT ORDERS file (#52.41).
- This data shall be modified to include the CAMP LEJEUNE copay exemption status and provided as the Camp Lejeune answers to the pharmacist during the prescription finishing process.

4.10.8. Camp Lejeune Prompts in CPRS

During the processing of a new CPRS order, if the patient is eligible for the CAMP LEJEUNE status, then the software shall be modified to obtain through a new API the ability to collect the information.

4.10.8.1. Camp Lejeune Prompt Response = "YES"

If the answer to the Camp Lejeune question is "YES" and the prescription is billable, then the copay status shall be changed to "NO COPAY" and the Camp Lejeune copay exemption flag shall default to "YES."

4.10.8.2. Camp Lejeune Prompt Response = "NO"

If the answer to the Camp Lejeune question NO, then the copay will remain as is and the prescription is billable; the Camp Lejeune copay exemption flag shall default to "NO," and processing will continue as normal.

4.10.8.3. Additional Prompting Logic for Copay Exempt Orders

Barcode Batch Prescription Entry [PSO BATCH BARCODE]

If a patient meets more than one of the medication exemption criteria and the response to the first prompt presented during order entry is "NO," subsequent prompts shall be presented.

Stopping the Order Process and Resetting Copay Status

For renewals, if a user enters a keyboard caret entry “^” or the System ‘times out’ at an exemption prompt with a default, the program shall display a message to the user indicating that the displayed value shall be stored and that the Reset Copay Status/Cancel Charges option must be used if a correction must be made.

Forwarding of Copay Exemption Values to CPRS

Any changes made to the medication copay exemption values shall be passed to CPRS with all other order information. This shall be applicable to all orders placed.

Copay Processing and Setting the Camp Lejeune Exemption Flag

If the answer to the Camp Lejeune question is “YES” and the prescription is billable, then the copay status will be changed to “NO COPAY.” The Camp Lejeune copay exemption flag will default to “YES.”

Copay Processing and Setting the Camp Lejeune Exemption Flag for “Non-Exempt” Orders

If the answer to the Camp Lejeune question is “NO,” then the copay shall remain as is. If the prescription is billable, the Camp Lejeune copay exemption flag will default to “NO” and processing will continue as normal.

4.10.8.4. Storing of the Camp Lejeune End-User Response and PRESCRIPTION file (#52)

The Camp Lejeune answer to the prompt shall be stored in the PRESCRIPTION file (#52).

4.10.9. Renewed Medication Orders

The software shall be modified to support the checks for Camp Lejeune status when a renewed prescription order is placed All prescription renewal processes (regular, speed, and barcode) shall be modified to incorporate the Camp Lejeune values, as necessary.

4.10.9.1. Patient Prescription Processing [PSO LM BACKDOOR ORDERS] and TPB Rx entry [PSO TPB RX ENTRY] – Release 2

Although Transitional Pharmacy Benefit (TPB) is inactive, all TPB routines must be updated to support new OP functionality.

4.10.9.2. Check for Camp Lejeune Eligibility for Prescriptions

When processing a renewal order, the software shall call the PIMS API to check for Camp Lejeune eligibility.

4.10.9.3. Check if Treatment is Related to a Camp Lejeune Condition

When processing a renewal order, if the patient is found eligible for the Camp Lejeune status, then the software shall ask a Camp Lejeune question and expect a positive or negative response (“Yes” or “No”).

Required Camp Lejeune Prompt End-User Response

During the processing of a renewal order, a response to the Camp Lejeune prompts for Camp Lejeune eligible Veterans during Outpatient Pharmacy order entry shall be mandatory.

Camp Lejeune Copay Exemption Processing

If the answer to the Camp Lejeune question is “YES” and the prescription is billable, then the copay status shall be changed to “NO COPAY” and the Camp Lejeune copay exemption flag will default to “YES.”

Camp Lejeune Copay Non-Exempt Processing

If the answer to the Camp Lejeune question is “NO,” the Camp Lejeune copay exemption flag shall default to “NO” and processing will continue as normal.

4.10.9.4. Storage of the End-User Prompt Response

The answer to the Camp Lejeune prompt shall be stored in the PRESCRIPTION file (#52).

4.10.9.5. Camp Lejeune Status Changes and CPRS

Any changes made to the Camp Lejeune or any of the medication copay exemption values shall be passed to CPRS.

4.10.9.6. Prescription Renewal Processing and Camp Lejeune

Upon prescription renewal, the Camp Lejeune Prescription copay status shall be reevaluated by the OP application via the PIMS API. A stored Camp Lejeune medication copay exemption value from the prescription’s being renewed shall be overwritten by the value obtained via the PIMS API returned value for the specific exemption being evaluated.

4.10.9.7. Camp Lejeune Non-Exempt Status Processing for Renewed Prescriptions

When an order is renewed, the software shall call the PIMS API to check for Camp Lejeune eligibility to see if the patient is still eligible; if the patient is not eligible, then the software shall remove the Camp Lejeune designation.

4.10.9.8. Association of Copay Exemption Values and the Renewed Prescription

All applicable prompts display to the user and all medication copay exemption values shall be carried over from the prescription renewed and stored with the new prescription.

4.10.10. Pharmacy Completed Orders from OE/RR [PSO LMOE FINISH] – Release-2

4.10.11. API to CPRS to Pass Camp Lejeune Eligibility Data

The API [SCNEW^PSOCP] shall be modified to display the Camp Lejeune prompt. This functionality currently exists for the copay exemption flags such as Agent Orange and MST. This API is a supported DBIA #2534. The System shall be updated to display the Camp Lejeune prompt.

4.10.12. Receiving Camp Lejeune Flag Information from CPRS

The current order placed in CPRS shall be modified to include the Provider response to the Camp Lejeune questions and copay exemption flags. This data shall be passed to the Outpatient Pharmacy application via the PENDING OUTPATIENT ORDERS file (#52.41). This data shall be modified to include the Camp Lejeune copay exemption status and provided as the Camp Lejeune answers to the pharmacist during the prescription finishing process.

4.10.13. CPRS Provides Camp Lejeune Flag Status to Subscribing Applications

When processing a renewal CPRS order, the software shall call the PIMS API to check for Camp Lejeune eligibility.

4.10.14. Camp Lejeune Prompting in CPRS

When processing a renewal CPRS order CPRS shall collect the information through an API if the patient is eligible for the Camp Lejeune status.

4.10.15. Camp Lejeune Prompt Response =“YES”

If the answer to the Camp Lejeune question is “YES,” then the copay status shall be changed to “NO COPAY” and the Camp Lejeune copay exemption flag will default to “YES.”

4.10.16. Camp Lejeune Prompt Response = “NO”

If the answer to the Camp Lejeune question is “NO,” then the copay shall remain as is, the Camp Lejeune copay exemption flag will default to “NO,” and processing will continue as normal.

4.10.17. Renewal Processing and CPRS

If a new order results in the creation of a renewal, the copay status shall be re-evaluated. The stored medication copay exemption values in Outpatient Pharmacy shall be passed to CPRS to be displayed as defaults.

4.10.17.1. Renewal Processing Within CPRS for Camp Lejeune Processing

If a new order results in the creation of a renewal, the Camp Lejeune prompt display to the user and the response shall be stored with the order in the PRESCRIPTION file (#52).

4.10.17.2. Renewal Processing for CPRS Orders and PIMS Camp Lejeune Eligibility

When an outpatient medication order is renewed, the software shall make the call to the PIMS API to check for Camp Lejeune eligibility to see if the patient is still eligible; if not eligible then the software shall remove the Camp Lejeune designation.

4.10.18. Outpatient Pharmacy Sending CPRS Camp Lejeune Prompt

If the outpatient medication ordered is renewed through CPRS, the Outpatient Pharmacy application shall provide CPRS with the Camp Lejeune prompt, if applicable.

4.10.18.1. Renewal Processing and Storage of the Camp Lejeune Prompt

The Camp Lejeune prompt answer shall be stored in the PRESCRIPTION file (#52).

4.10.18.2. Barcode Batch Prescription Entry [PSO BATCH BARCODE]

Barcode Order Processing for Prescriptions – When processing a renewal order, the software shall call the PIMS to check for Camp Lejeune eligibility.

4.10.19. Camp Lejeune Prompting During Order Entry

When processing a renewal order, if the patient is eligible for copay (copay status = “YES”) and eligible for the Camp Lejeune status, then the software shall prompt the user with the following question:

“Was Treatment Related To Camp Lejeune?”

4.10.19.1. Camp Lejeune Prompt Requires an End-User Response

When processing a renewal order, a response to the Camp Lejeune prompt during Outpatient Pharmacy order entry shall be mandatory.

4.10.19.2. System Requirement: Prompting Flow for Copay Exempt Orders

If a response to a medication exemption prompt during a renewal results in a prescription being set to “NO COPAY” status, all exemption questions applicable to the patient shall still be presented to the Ordering Provider.

4.10.19.3. Setting of Copay Exemption Values

All applicable prompts shall display to the user; all medication copay exemption values shall be carried over from the prescription renewed and stored with the new prescription.

4.10.19.4. Forwarding of Copay Exemption Values to CPRS

Any changes made to the medication copay exemption values shall be passed to CPRS with all other order information.

4.10.19.5. Copay Processing and Setting the Camp Lejeune Exemption Flag

If the answer to the Camp Lejeune question “YES,” then the copay status shall be changed to “NO COPAY” and the Camp Lejeune copay exemption flag will default to “YES.”

4.10.19.6. Copay Processing and Setting the Camp Lejeune Exemption Flag for Non-Exempt Orders

If the answer to the Camp Lejeune question is “NO,” then the copay shall remain as is (copay status = “YES”), the Camp Lejeune copay exemption flag shall default to “NO” and processing will continue as normal.

4.10.19.7. Stopping the Order and Removing Flag Changes

If a user enters a keyboard caret entry value: “^” or the session times out at any of the medication copay exemption prompts, the software shall display

“No action taken.”

The prescription’s status shall remain pending. Any changes that been made to the medication copay exemption responses shall not be retained.

4.10.20. Editing an Existing Medication Order

The editing process shall be modified to incorporate the new Camp Lejeune medication copay exemption change, as necessary. If the patient is Camp Lejeune eligible, all appropriate questions shall be asked and values stored.

4.10.21. Passing Exemption Values to New Order

If a new medication order is created due to an edit, any stored medication copay exemption values that exist for the prescription shall carry over to the new order. Upon accepting the new order, the pharmacy user shall be prompted with all medication copay exemption questions and

corresponding default values. The user shall be able to edit any default value. The existing functionality will not change, the software will only be modified to accommodate the Camp Lejeune prompt if the patient is Camp Lejeune eligible.

4.10.22. Stopping the Order

If a user enters a keyboard caret entry: “^” or the session times out at any medication copay exemption question, the new order shall not be retained.

4.10.23. Accepting Logic for the New Order

If the medication order is not initially accepted, the defaults or modified defaults for the medication copay exemption prompts that were initially accepted shall be retained and not reset once the order is finally accepted.

4.10.24. Passing of Exemption Values to CPRS

Any changes made to the medication copay exemption values shall be passed to CPRS with all other order information.

4.10.25. Copying an Existing Medication Order

The copying process shall be modified to incorporate the new medication copay exemption change, as necessary.

The existing functionality will not change; the software will only be modified to accommodate the Camp Lejeune prompt.

4.10.26. Passing Exemption Values to New Order

If a new medication order is created due to a copy, any stored medication copay exemption values that exist for the prescription shall be carried over to the new order. Upon accepting the new order, the pharmacy user shall be prompted with all medication copay exemption questions and corresponding default values. The user shall be able to edit any default value.

4.10.27. Accepting Logic for the New Order

If the medication order is not initially accepted, the defaults or modified defaults for the medication copay exemption prompts that were initially accepted shall be retained and not reset once the order is finally accepted.

4.10.28. Stopping the Order

If a user enters a caret “^” or times out at any medication copay exemption question, the new order shall not be retained.

4.10.29. Passing of Exemption Values to CPRS

Any changes made to the medication copay exemption values shall be passed to CPRS with all other order information.

4.10.30. System Requirement: Release of a Fill/Refill

During the release of a fill/refill, various checks (patient eligibility, copay exemption status, etc.) are performed to determine the copay status of a prescription. In certain circumstances,

applicable medication copay exemptions shall be used to evaluate the copay status of the prescription.

4.10.31. Copay Status Changes

If the Rx medication copay status changes from “NO COPAY” to “COPAY” or from “COPAY” to “NO COPAY” because of the Camp Lejeune check performed, the software shall automatically reset the copay status of the prescription accordingly.

4.10.32. MailMan Message for Required Exemption Flags

At release of a fill, if any copay exemption question applies for the patient but has never been answered, a MailMan message will generate to request that the exemption answers be addressed. If a MailMan message generates during release of a fill to gather additional information to determine a final copay status, the software shall check to see if the patient meets any of the copay exemption criteria:

- Service-Connected (SC);
- Military Sexual Trauma (MST);
- Agent Orange (AO);
- Environmental Contaminants (EC);
- Ionizing Radiation (IR), Head and/or Neck Cancer (HNC);
- Combat Veteran (CV);
- Shipboard Hazard and Defense (SHAD); and
- Camp Lejeune.

Any criteria that a patient meets shall be included in the MailMan message generated.

4.10.33. Medical Exemption Prompts

The following shall be followed wherever the prompts are asked in the Outpatient Pharmacy software (i.e., order renewed, or finished or a new order created due to an edit, etc.).

4.10.34. Presentation of Prompts

The new Camp Lejeune medication exemption prompt shall be presented in a specific order after the existing SC and before the other medication exemptions prompts. The suggested order of lookup/display and determination of exemption status for a Veteran/beneficiary is as follows:

- Service Connected;
- Combat Veteran (CV);
- Vietnam-era herbicide (agent orange)-exposed Veterans (AO);
- Radiation-exposed Veterans (IR);
- Veterans exposed to environmental contaminants during Persian Gulf War service (EC);
- Shipboard Hazard and Defense (SHAD);
- Military Sexual Trauma (MST);
- Head and/or Neck Cancer (HNC); and

- Camp Lejeune.

4.10.35. System Requirement: Prescription Labels

The software shall be modified to perform checks for Camp Lejeune status. All prescription label print processes (regular and laser) shall be modified to incorporate the Camp Lejeune values, as necessary.

4.10.36. Determining Label COPAY or NO COPAY Printing

When evaluating the copay status of a prescription, either to print the text “COPAY” or “NO COPAY,” the current check shall be extended to include the CAMP LEJEUNE copay entry stored in the PRESCRIPTION file (#52).

4.10.37. Reset Copay Status/Cancel Charges

The Reset Copay Status/Cancel Charges [PSOCP RESET COPAY STATUS] option shall be modified to include the Camp Lejeune status, as necessary.

The existing functionality will not change; the software will only be modified to accommodate the Camp Lejeune prompt.

4.10.38. Reset Copay Status and Prior Copay Charges

The user shall be able to reset the copay status of the prescription without having to cancel any incurred copay charges.

4.10.39. Logging of Resetting Copay Status

If a prescription copay status is reset, the activity shall be documented in the COPAY ACTIVITY LOG.

4.10.40. End-User Edit of Copay Exemption Flags

The user shall be able to edit the copay exemption flags:

- Service-connected (SC);
- Military Sexual Trauma (MST);
- Agent Orange (AO), Environmental Contaminants (EC);
- Ionizing Radiation (IR);
- Head and/or Neck Cancer (HNC);
- Combat Veteran (CV);
- Shipboard Hazard and Defense (SHAD); and
- Camp Lejeune.

These values shall be used as defaults for the copay exemption questions asked during new order entry or the renewal process. The values shall be used to determine the copay status of the prescription.

4.10.41. Inquiry of Copay Status by Prescription Number

Upon the entering of a prescription number, the copay status and any copay medication exemption flags that apply to the patient with existing values shall display to the user.

4.10.42. Editing of Copay and Environmental Indicator Exemption Flags

The user shall get the opportunity to edit existing copay exemption flag values or enter a value for a specific exemption flag.

- If the user responds “YES” to this prompt, each copay exemption flag field and question that applies to the patient shall be presented to the user.
- If the user responds “NO” to this prompt, the program shall continue to the next prompt.

4.10.43. Prescription Copay Status Processing

The software shall evaluate any changes made to the copay exemption flag values that would result in a corresponding change to the Rx copay status. In certain circumstances, the Rx copay status of the prescription may automatically be reset.

4.10.44. Resetting Copay Status Flags

If the copay status of the prescription is “COPAY” and at least one of the medication copay exemption flags is set to “YES,” the software shall automatically reset the copay status of the prescription. The software shall display a message to the user informing of the change. This activity shall also be logged under the COPAY ACTIVITY LOG. If copay charges exist for this Rx, the next prompt the user shall see is “Do you want to cancel any charges (Y/N)?”

4.10.45. No Resetting of Copay Status Flags

If the copay status of the prescription is NO COPAY and the user changes or edits any of the applicable copay exemption flag values to “YES,” the software shall not automatically reset the copay status. For the user to be prompted with the “Do you want to reset the status to COPAY?” question, all medication copay exemption flag values that are set to “YES,” must be changed to “NO.”

4.10.46. Passing Copay Exemption Data to CPRS

If any of the copay exemption flags’ values are changed for a Rx, the updated value shall be sent to CPRS so that the outpatient medication order can be updated to reflect the change.

4.10.47. System Requirement: PRESCRIPTION file (#52)

Updating the New Camp Lejeune Field – The response to the Camp Lejeune prompt shall be stored with the prescription record in the PRESCRIPTION file (#52) in a new Camp Lejeune field.

4.10.48. PENDING OUTPATIENT ORDERS file (#52.41)

Updating the New Camp Lejeune Field – The PENDING OUTPATIENT ORDERS file (#52.41) stores the pharmacy orders (new/renew) that are entered via CPRS. The response to the Camp Lejeune prompt shall be stored with the prescription record in the PENDING OUTPATIENT ORDERS file (#52.41) within a new Camp Lejeune field.

4.10.49. Outpatient Pharmacy External Interface Modifications

External Interfaces: Passing Information Prior to Filing a Pending Order

The pharmacy orders entered via an External Interface shall be sent to CPRS before filing from the PENDING OUTPATIENT ORDERS file (#52.41). This data shall be modified to include the Camp LEJEUNE copay exemption status.

External Interfaces (Outpatient Pharmacy Automation Interface (OPAI)

When evaluating the copay status of a prescription, either to print the text “COPAY” or “NO COPAY,” the current check shall be extended to include the CAMP LEJEUNE copay entry stored in the PRESCRIPTION file (#52).

4.10.50. PFSS Pharmacy Requirement

When a prescription order is finished via the backdoor Outpatient Pharmacy option, the Outpatient Pharmacy shall send the Camp Lejeune indicator on calls to the PFSS get the account API.

4.10.51. PFSS Pharmacy Requirement

When an order is released via the backdoor Outpatient Pharmacy package option, Outpatient Pharmacy shall send the Camp Lejeune indicator on calls to the PFSS charge API.

4.10.52. Required Co-Pay Data Elements

The fields in the following table are the required co-pay data elements.

Field name	Description:
RX Patient Status	A Yes/No indicator that denotes whether the RX PATIENT STATUS is defined to be exempt from co- pay.
Drug Enforcement Agency (DEA) Special Handling Flag	Used for drugs to designate if they are exempt from co-pay. S = supply items I = Investigational
Service (SC) Flag	Indicator that specifies if the prescription was related to a service connected condition. This field will reflect SC from 0% to 100%
Combat Veteran (CV) flag	Indicator that specifies if the prescription was related to a Combat Veteran (CV).
Agent Orange (AO) Flag	Indicator that specifies if the prescription was related to Agent Orange (AO) exposure.
Ionizing Radiation (IR) Flag	Indicator that specifies if the prescription was related to Ionizing Radiation (IR) exposure.
Environmental Contaminants (EC) Flag	Indicator that specifies if the prescription was related to Environmental Contaminants (EC) exposure.
Shipboard Hazard and Defense (SHAD) Flag	Indicator that specifies if the prescription was related to Shipboard Hazard and Defense (SHAD) exposure.
Military Sexual Trauma (MST) Flag	Indicator that specifies if the prescription was related to Military Sexual Trauma (MST).
Head and/or Neck Cancer (HNC) Flag	Indicator that specifies if the prescription was related to Head and/or Neck Cancer (HNC).
Co-pay Transaction Type (Income Exemption)	Pointer to the IB TRANSACTION TYPE file (#350.1) <ul style="list-style-type: none">• PSO NSC RX COPAY NEW;• PSO SC RX COPAY NEW;

	<ul style="list-style-type: none"> Null value indicates no co-pay.
Camp Lejeune	Indicator that specifies if the prescription was related to a Camp Lejeune condition.

4.10.53. Routines (Entry Points – Pharmacy)

The following routines (PSOMLLDT, PSOCPC and PSOCPE) will be used to modify the Pharmacy.

Routine Name	PSOMLLST		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	PSOMILDT	SDCO22,DGCV	
Requirement Traceability Matrix		check out classification questions for encounter	
Data Dictionary (DD) References	^PSOX		
Related Protocols			
Related Integration Control Registrations (ICRs)			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine		
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine		
Current Logic			

Routine Name	PSOMLLST
	<pre> PSOMLLDT ;BIR/RTR - Copay date routine ;08/24/01 ;7.0;OUTPATIENT PHARMACY;**71,157,143,219,278,225,303**;DEC 1997;Build 1 ;External reference SDC022 supported by DBIA 1579 ;External reference DGMSTAPI supported by DBIA2716 ;CIDC: Before doing EI question, check to see if should ask ei question ;because the flag could have changed in enrollment and we shouldn't ;ask if not flagged and should set nulls for answer if Rx is renewed ;or copied when flags changed. Also, CPRS sometimes sends zeros for ;null answers. 5/12/04 DT() ;function for Copay date ;0 means Copay not in effect, 1 means Copay in effect N PSOMILDT S PSOMILDT=3020101 I '\$G(DT) S DT=\$\$DT^XLFD Q '\$S(DT<PSOMILDT:0,1:1) ; Q ;New Copay questions, require if a Renewal ;PSOFLAG=1 for New, PSOFLAG=0 for Renewal MST ;Military Sexual Trauma Question I '\$G(PSODFN) I '\$P(\$\$GETSTAT^DGMSTAPI(PSODFN),"^",2)'="Y" D Q . K PSOANSQ("MST"),PSOANSQD("MST") I '\$G(PSOX("IRXN")) K PSOANSQ(PSOX("IRXN"),"MST") N PSOUFLAG S PSOUFLAG=0 K DIR S DIR(0)="Y" S DIR("A")="Was treatment related to Military Sexual Trauma" S DIR("?")=" ",DIR("?",1)="Enter 'Yes' if this prescription is being used to treat a condition related",DIR("?",2)="to Military Sexual Trauma. This response will be used to determine whether or" S DIR("?",3)="not a copay should be applied to the prescription." I '\$G(PSOFLAG) S (DIR("B"),PSOUFLAG)=\$\$(\$G(PSORX(+\$G(PSORENW("OIRXN"))),"MST"))=0:"NO",\$G(PSORX(+\$G(PSO RENEW("OIRXN"))),"MST"))=1:"YES",1:"") I DIR("B")="" K DIR("B") S PSOUFLAG=0 I '\$G(PSOFLAG),\$G(PSONEWFF) I '\$G(PSOANSQD("MST"))=0!(\$G(PSOANSQD("MST"))=1) S DIR("B")=\$\$(\$G(PSOANSQD("MST"))=1:"YES",1:"NO") W ! D ^DIR K DIR I '\$G(PSOFLAG) W ! D Q .I Y["^"!(\$D(DUOUT))!(\$D(DTOUT)) S PSOCpz("DFLG")=1 Q .S PSOANSQ("MST")=Y .I '\$G(PSONEWFF) S PSOANSQD("MST")=Y I Y["^"!(\$D(DUOUT))!(\$D(DTOUT)) D W !,"This Renewal has been designated as" \$\$(\$G(PSOUFLAG)="YES":",",1:" NOT") " being used for treatment of Military",!,"Sexual Trauma." D:\$G(PSOSCP)<50 MESSM D PAUSE Q .S PSOANSQ(PSOX("IRXN"),"MST")=\$\$(\$G(PSOUFLAG)="YES":1,1:0) I '\$G(PSOX("IRXN")) S PSOANSQ(PSOX("IRXN"),"MST")=Y E S PSOANSQ("MST")=Y Q VEH ;Vietnam-Era Herbicide Question I '\$G(PSODFN) I '\$\$AO^SDCO22(PSODFN) D Q . K PSOANSQ("VEH"),PSOANSQD("VEH") I '\$G(PSOX("IRXN")) K PSOANSQ(PSOX("IRXN"),"VEH") N PSOUFLAG S PSOUFLAG=0 K DIR S DIR(0)="Y" S DIR("A")="Was treatment related to Agent Orange exposure" S DIR("?")=" ",DIR("?",1)="Enter 'Yes' if this prescription is being used to treat a condition due to",DIR("?",2)="Vietnam-Era Herbicide (Agent Orange) exposure. This response will be used to" S DIR("?",3)="determine whether or not a copay should be applied to the prescription." </pre>

Routine Name	PSOMLLST
	<p>I '\$G(PSOFLAG) S (DIR("B"),PSOUFLAG)=\$S(\$G(PSORX(+G(PSORENW("OIRXN")), "VEH"))=0:"NO",\$G(PSORX(+G(PSORENW("OIRXN")), "VEH"))=1:"YES",1:"") I DIR("B")="" K DIR("B") S PSOUFLAG=0 I '\$G(PSOFLAG), \$G(PSONEWFF) I '\$G(PSOANSQD("VEH"))=0!(\$G(PSOANSQD("VEH"))=1) S DIR("B")=\$S(\$G(PSOANSQD("VEH"))=1:"YES",1:"NO") W ! D ^DIR K DIR I '\$G(PSOFLAG) W ! D Q .I Y["^"!(\$D(DUOUT))!(\$D(DTOUT)) S PSOCpz("DFLG")=1 Q .S PSOANSQ("VEH")=Y .I '\$G(PSONEWFF) S PSOANSQD("VEH")=Y I Y["^"!(\$D(DUOUT))!(\$D(DTOUT)) D W !,"This Renewal has been designated as"_\$S(\$G(PSOUFLAG)="YES":",1:" NOT")_ " being used for treatment of Vietnam-Era",!, "Herbicide (Agent Orange) exposure." D:\$G(PSOSCP)<50 MESSV D PAUSE Q .S PSOANSQ(PSOX("IRXN"), "VEH")=\$S(\$G(PSOUFLAG)="YES":1,1:0) I '\$G(PSOX("IRXN")) S PSOANSQ(PSOX("IRXN"), "VEH")=Y E S PSOANSQ("VEH")=Y Q RAD :Radiation question I '\$G(PSODFN) I '\$\$IR^SDCO22(PSODFN) D Q . K PSOANSQ("RAD"), PSOANSQD("RAD") I '\$G(PSOX("IRXN")) K PSOANSQ(PSOX("IRXN"), "RAD") N PSOUFLAG S PSOUFLAG=0 K DIR S DIR(0)="Y" S DIR("A")="Was treatment related to Ionizing Radiation exposure" S DIR("?")=" ", DIR("? ",1)="Enter 'Yes' if this prescription is being used to treat a condition due to", DIR("? ",2)="ionizing radiation exposure during military service. This response will be used" S DIR("? ",3)="to determine whether or not a copay should be applied to the prescription." I '\$G(PSOFLAG) S (DIR("B"),PSOUFLAG)=\$S(\$G(PSORX(+G(PSORENW("OIRXN")), "RAD"))=0:"NO",\$G(PSORX(+G(PSORENW("OIRXN")), "RAD"))=1:"YES",1:"") I DIR("B")="" K DIR("B") S PSOUFLAG=0 I '\$G(PSOFLAG), \$G(PSONEWFF) I '\$G(PSOANSQD("RAD"))=0!(\$G(PSOANSQD("RAD"))=1) S DIR("B")=\$S(\$G(PSOANSQD("RAD"))=1:"YES",1:"NO") W ! D ^DIR K DIR I '\$G(PSOFLAG) W ! D Q .I Y["^"!(\$D(DUOUT))!(\$G(DTOUT)) S PSOCpz("DFLG")=1 Q .S PSOANSQ("RAD")=Y .I '\$G(PSONEWFF) S PSOANSQD("RAD")=Y I Y["^"!(\$D(DUOUT))!(\$D(DTOUT)) D W !,"This Renewal has been designated as"_\$S(\$G(PSOUFLAG)="YES":",1:" NOT")_ " being used for treatment of ionizing",!, "radiation exposure." D:\$G(PSOSCP)<50 MESSM D PAUSE Q .S PSOANSQ(PSOX("IRXN"), "RAD")=\$S(\$G(PSOUFLAG)="YES":1,1:0) I '\$G(PSOX("IRXN")) S PSOANSQ(PSOX("IRXN"), "RAD")=Y E S PSOANSQ("RAD")=Y Q PGW :Persian Gulf War question I '\$G(PSODFN) I '\$\$EC^SDCO22(PSODFN) D Q . K PSOANSQ("PGW"), PSOANSQD("PGW") I '\$G(PSOX("IRXN")) K PSOANSQ(PSOX("IRXN"), "PGW") N PSOUFLAG S PSOUFLAG=0 K DIR S DIR(0)="Y" S DIR("A")="Was treatment related to service in SW Asia" S DIR("?")=" ", DIR("? ",1)="Enter 'Yes' if this prescription is being used to treat a condition related to" S DIR("? ",2)="service in Southwest Asia. This response will be used to determine whether or" S DIR("? ",3)="not a copay should be applied to the prescription."</p>

Routine Name	PSOMLLST
	<p>I '\$G(PSOFLAG) S (DIR("B"),PSOUFLAG)=\$S(\$G(PSORX(+ \$G(PSORENW("OIRXN")), "PGW"))=0:"NO", \$G(PSORX(+ \$G(PSORENW("OIRXN")), "PGW"))=1:"YES", 1:"")) I DIR("B")="" K DIR("B") S PSOUFLAG=0 I '\$G(PSOFLAG), \$G(PSONEWFF) I '\$G(PSOANSQD("PGW"))=0!(\$G(PSOANSQD("PGW"))=1) S DIR("B")=\$S(\$G(PSOANSQD("PGW"))=1:"YES", 1:"NO") W ! D ^DIR K DIR I '\$G(PSOFLAG) W ! D Q .I Y["^"!(\$D(DUOUT))!(\$D(DTOUT)) S PSOCpz("DFLG")=1 Q .S PSOANSQ("PGW")=Y .I '\$G(PSONEWFF) S PSOANSQD("PGW")=Y I Y["^"!(\$D(DUOUT))!(\$D(DTOUT)) D W !, "This Renewal has been designated as" _\$S(\$G(PSOUFLAG)="YES": "", 1:" NOT") _ " being used for treatment of", !, "Southwest Asia Conditions exposure." D:\$G(PSOSCP)<50 MESS D PAUSE Q .S PSOANSQ(PSOX("IRXN"), "PGW")=\$S(\$G(PSOUFLAG)="YES": 1, 1:0) I '\$G(PSOX("IRXN")) S PSOANSQ(PSOX("IRXN"), "PGW")=Y E S PSOANSQ("PGW")=Y Q HNC ;Head or Neck Cancer question I '\$G(PSODFN) I \$T(GETCUR^DGNTAPI)]"" N PSONCP, PSONCPX S PSONCPX=\$\$GETCUR^DGNTAPI(PSODFN, "PSONCP") I \$P(\$G(PSONCP("IND")), "^")="Y" D Q . K PSOANSQ("HNC"), PSOANSQD("HNC") I '\$G(PSOX("IRXN")) K PSOANSQ(PSOX("IRXN"), "HNC") N PSOUFLAG S PSOUFLAG=0 K DIR S DIR(0)="Y" S DIR("A")="Was treatment related to Head and/or Neck Cancer" S DIR("?")=" ", DIR("? ", 1)="Enter 'Yes' if this prescription is being used to treat Head and/or Neck Cancer", DIR("? ", 2)="due to nose or throat radium treatments while in the military. This response" S DIR("? ", 3)="will be used to determine whether or not a copay should be applied to the", DIR("? ", 4)="prescription." I '\$G(PSOFLAG) S (DIR("B"),PSOUFLAG)=\$S(\$G(PSORX(+ \$G(PSORENW("OIRXN")), "HNC"))=0:"NO", \$G(PSORX(+ \$G(PSORENW("OIRXN")), "HNC"))=1:"YES", 1:"")) I DIR("B")="" K DIR("B") S PSOUFLAG=0 I '\$G(PSOFLAG), \$G(PSONEWFF) I '\$G(PSOANSQD("HNC"))=0!(\$G(PSOANSQD("HNC"))=1) S DIR("B")=\$S(\$G(PSOANSQD("HNC"))=1:"YES", 1:"NO") W ! D ^DIR K DIR I '\$G(PSOFLAG) W ! D Q .I Y["^"!(\$D(DUOUT))!(\$D(DTOUT)) S PSOCpz("DFLG")=1 Q .S PSOANSQ("HNC")=Y .I '\$G(PSONEWFF) S PSOANSQD("HNC")=Y I Y["^"!(\$D(DUOUT))!(\$D(DTOUT)) D W !, "This Renewal has been designated as" _\$S(\$G(PSOUFLAG)="YES": "", 1:" NOT") _ " being used for treatment related to", !, "Head and/or Neck Cancer." D:\$G(PSOSCP)<50 MESSV D PAUSE Q .S PSOANSQ(PSOX("IRXN"), "HNC")=\$S(\$G(PSOUFLAG)="YES": 1, 1:0) I '\$G(PSOX("IRXN")) S PSOANSQ(PSOX("IRXN"), "HNC")=Y E S PSOANSQ("HNC")=Y Q CV ; Combat Veteran Question I '\$G(PSODFN) I '(+\$P(\$\$CVEDT^DGCv(PSODFN), "^", 3)) D Q . K PSOANSQ("CV"), PSOANSQD("CV") I '\$G(PSOX("IRXN")) K PSOANSQ(PSOX("IRXN"), "CV") N PSOUFLAG S PSOUFLAG=0 K DIR S DIR(0)="Y" S DIR("A")="Was treatment related to Combat" S DIR("?")=" " S DIR("? ", 1)="Enter 'Yes' if this prescription is being used to treat a condition due to"</p>

Routine Name	PSOMLLST
	<p>S DIR("?",2)="active duty in a theater of combat operations during a period of war after the" S DIR("?",3)="Gulf War. This response will be used to determine whether or not a copay should" S DIR("?",4)="be applied to the prescription." S DIR("B")="YES" I \$G(PSOFLAG) D . S (DIR("B"),PSOUFLAG)=S(\$G(PSORX(+G(PSORENW("OIRXN")), "CV"))=0:"NO", \$G(PSORX(+G(PSORENW("OIRXN")), "CV"))=1:"YES", 1:"") . I DIR("B")="" S (PSOUFLAG,DIR("B"))="YES" I \$G(PSOFLAG), \$G(PSONEWFF) D . I \$G(PSOANSQD("CV"))=0!(\$G(PSOANSQD("CV"))=1) D . . S DIR("B")=S(\$G(PSOANSQD("CV"))=1:"YES", 1:"NO") W ! D ^DIR K DIR I \$G(PSOFLAG) W ! D Q . I Y["^!(\$D(DUOUT))!(\$D(DTOUT)) S PSOCPCZ("DFLG")=1 Q . S PSOANSQ("CV")=Y . I \$G(PSONEWFF) S PSOANSQD("CV")=Y I Y["^!(\$D(DUOUT))!(\$D(DTOUT)) D Q . W !,"This Renewal has been designated as" _S(\$G(PSOUFLAG)="YES": "", 1:" NOT")_ " being used for treatment of military" . W !,"combat service." D:\$G(PSOSCP)<50 MESSM D PAUSE . S PSOANSQ(PSOX("IRXN"), "CV")=S(\$G(PSOUFLAG)="YES": 1, 1:0) I \$G(PSOX("IRXN")) S PSOANSQ(PSOX("IRXN"), "CV")=Y E S PSOANSQ("CV")=Y Q PAUSE ; K DIR W ! S DIR(0)="E", DIR("A")="Press Return to continue" D ^DIR K DIR Q MESS ; Q:\$G(PSODRUG("DEA"))["S"!(\$G(PSODRUG("DEA"))["I"])!(\$G(PSODRUG("DEA"))["N"] W !,"Please use the 'Reset Copay Status/Cancel Charges' option to make corrections.",! Q MESSM ; Q:\$G(PSODRUG("DEA"))["S"!(\$G(PSODRUG("DEA"))["I"])!(\$G(PSODRUG("DEA"))["N"] W " Please use the 'Reset Copay Status/Cancel Charges' option", !,"to make corrections.",! Q MESSV ; Q:\$G(PSODRUG("DEA"))["S"!(\$G(PSODRUG("DEA"))["I"])!(\$G(PSODRUG("DEA"))["N"] W " Please use the 'Reset Copay Status/Cancel", !,"Charges' option to make corrections.",!</p>

Routine Name	PSOCPC		
Enhancement Category	<input type="checkbox"/> New	<input checked="" type="checkbox"/> Modify	<input type="checkbox"/> Delete <input type="checkbox"/> No Change
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	IBARX		
Requirement Traceability Matrix		classification text for reason not billable	
Data Dictionary (DD) References	DIQ(52		

Routine Name	PSOCPC
Related Protocols	
Related Integration Control Registrations (ICRs)	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition: No modifications or additions will be made to input for this routine
Output Attribute Name and Definition	Name: Definition: modifications/additions will be made to output for this routine
Current Logic	
<pre> PSOCPC ;BHAM ISC/BAB - PHARMACY CO-PAY APPLICATION ;06/09/92 ;7.0;OUTPATIENT PHARMACY;**10,9,71,85,114,157,143,239,201,275,225**;DEC 1997;Build 1 ; ;REF/IA ;piece 9 of zero node of File 350 and APDT cross reference of File 350/2215 ;\$\$STATUS^IBARX/125 ;File 350.1/592 (DBIA125-B) WARN ; Message when attempt is made to delete a refill date on COPAY N PSOIB,PSOIBST S PSOFLG=0 G:\$D(^PSRX(DA(1),1,DA,"IB")) ENDW S PSOIB=^PSRX(DA(1),1,DA,"IB") I +PSOIB>0 G ENDW S PSOIBST=\$\$STATUS^IBARX(+PSOIB) I PSOIBST=2!(PSOIBST=0) G ENDW I +PSOIB>0 D CANCEL G ENDW:PSOFLG=0 I '\$G(PSOXXDEL) D EN^DDIOL("This REFILL has COPAY charges, which MUST be removed",,"",\$C(7),!!),EN^DDIOL("BEFORE the refill date is deleted.",,"",!!) I '\$G(PSOXXDEL) D EN^DDIOL("Use option RESET COPAY STATUS/CANCEL CHARGES, return to EDIT A PRESCRIPTION",,"",!!),EN^DDIOL("and delete the refill date.",,"",!!),EN^DDIOL(" ",,"",!!) S PSOFLG=1 ENDW ; I PSOFLG K PSOFLG Q CANCEL ;Check if charge is cancelled for this Refill date S PSOFLG=1 ;indicates a charge not cancelled S PSOX=+^PSRX(DA(1),1,DA,"IB") D LAST I PSOLAST=PSOPARNT,\$D(^IB(PSOLAST,0)),SP(^IBE(350.1,\$P(^IB(PSOLAST,0),"^",3),0),"^",5)=2 I PSOFLG=0 S K PSOLAST,PSOPARNT,PSOX,PSOL,PSOLDT Q LAST ;find last entry S PSOLAST="" S PSOPARNT=\$P(^IB(+PSOX,0),"^",9) I PSOPARNT S PSOPARNT=+PSOX S PSOLDT=\$O(^IB("APDT",PSOPARNT,"")) I +PSOLDT F PSOL=0:0 S PSOL=\$O(^IB("APDT",PSOPARNT,PSOLDT,PSOL)) Q:PSOL S PSOLAST=PSOL I PSOLAST="" S PSOLAST=PSOPARNT Q ; EXEMCHK ; Allow reset of exemption answers </pre>	

Routine Name	PSOCP
	<pre> N PSOTG,PSOCPN,PSOEXMT,PSOANS,OLDIBQ,PSOSCP,PSOSCA S PSOANS=0 D SCP^PSORN52D S OLDIBQ=\$G(^PSRX(PSODA,"IBQ")) I OLDIBQ[0!(OLDIBQ)]1 D . S PSOANS=1 . I \$P(OLDIBQ,"^",1)'="" S PSOTG("SC")=\$P(OLDIBQ,"^",1) . I \$P(OLDIBQ,"^",2)'="" S PSOTG("MST")=\$P(OLDIBQ,"^",2) . I \$P(OLDIBQ,"^",3)'="" S PSOTG("AO")=\$P(OLDIBQ,"^",3) . I \$P(OLDIBQ,"^",4)'="" S PSOTG("IR")=\$P(OLDIBQ,"^",4) . I \$P(OLDIBQ,"^",5)'="" S PSOTG("EC")=\$P(OLDIBQ,"^",5) . I \$P(OLDIBQ,"^",6)'="" S PSOTG("HNC")=\$P(OLDIBQ,"^",6) . I \$P(OLDIBQ,"^",7)'="" S PSOTG("CV")=\$P(OLDIBQ,"^",7) . I \$P(OLDIBQ,"^",8)'="" S PSOTG("SHAD")=\$P(OLDIBQ,"^",8) S PSOCPN=\$P(^PSRX(PSODA,0),"^",2) S RXP=PSODA D SCNEW^PSOCP(.PSOTG,PSOCPN,"",PSODA) N EXMT D XTYPE^PSOCP ; KEEP THIS CALL IN HERE TO SEE IF SC QUESTION APPLIES ;I \$D(POTG("SC")) S POTG("SC")=\$P(OLDIBQ,"^",1) ; CHANGED TO JUST USE IBQ SETTING IF SC QUESTION APPLIES - DON'T RE-CALCULATE SERVICE-CONNECTED S EXMT="" F S EXMT=\$O(POTG(EXMT)) Q:EXMT="" I POTG(EXMT)'="" S PSOANS=1 Q I \$O(POTG(""))="" Q I PSOANS W !,"The following exemption flags have been set:" F EXMT="SC","CV","AO","IR","EC","SHAD","MST","HNC" I \$G(POTG(EXMT))="" W !,\$S(EXMT="EC":\$SWAC,1:EXMT),": ",?6,\$S(POTG(EXMT)=1:"Yes",POTG(EXMT)=0:"No",1:"") W ! W ! K DIR S DIR(0)="Y",DIR("B")="N" D S DIR("A")="Do you want to enter/edit any copay exemption flags" . S EXMT="" F S EXMT=\$O(POTG(EXMT)) Q:EXMT="" I POTG(EXMT)'="" S DIR("B")="Y" Q S DIR("?")="Enter 'Y' for Yes if you want to edit any applicable medication exemption flags." S DIR("??")="^D HELPEXEM^PSOCP" D ^DIR K DIR S PSOEXMT=Y I Y=1 Q ; PRESENT ALL APPLICABLE EXEMPTIONS AND SAVE NEW ANSWERS N PSOIBQ,PSOSUBS,PSOQUES,PSOLTAG,OLDIBQ,II,PSOCHG,PSOPATST S PSOPATST=\$GET1^DIQ(52,PSODA_,"",3,"I") S PSOIBQ="" S OLDIBQ=\$G(^PSRX(PSODA,"IBQ")) I \$D(^PSRX(PSODA,"IBQ"))+(\$G(^PSRX(PSODA,"IBQ")))=2 S \$P(OLDIBQ,"^",1)=0 ; SC QUESTION WAS PREVIOUSLY ANSWERED AS N S PSOCOMM="",PSOOLD="",PSONW="" S II=0 F EXMT="SC","CV","AO","IR","EC","SHAD","MST","HNC" I \$D(POTG(EXMT)) D . S PSOLTAG="REL" _EXMT_"^PSOCP" . S HELPTAG="HELP" _EXMT . S PSOQUES=\$P(\$T(@PSOLTAG),",",2) I PSOQUES="" Q . S PSOQUES=\$P(PSOQUES,"?") . S PSOSUBS=\$P(\$T(@PSOLTAG),",",3) I PSOSUBS="" Q . D ASKEXEM I \$D(PSOCHG) D . ;PSO*7*275 IBQ node should not be present in some cases. . K ^PSRX(PSODA,"IBQ") . S:PSOSCP<50&(\$TR(PSOIBQ,"^")'="")&(\$P(\$G(^PS(53,\$G(PSOPATST),0)),"^",7)'=1) ^PSRX(PSODA,"IBQ")=PSOIBQ . D RESET^PSORN52D ;set SC/EI on ICD node </pre>

Routine Name	PSOCPC
	<pre> . S PSOPFSA=1 ;PFSS-denotes to calling routine that outpatient classifications changed. . D EN^PSOHLN1(PSODA,"XX","", "Order edited") . I PCOPAY,PSOIBQ["1" D ; RESET TO NO COPAY . . W !,"Editing of exemption flag(s) has resulted in a copay status change.",!,"The status for this Rx will be reset to NO COPAY." . . S \$P(^PSRX(PSODA,"IB"),"^",1)=" . . S PSOREF="","PSOOLD="Copay",PSONW="No Copay",PREA="R" D ACTLOG^PSOCPA . . S PSOCOMM="Copay status reset due to exemption flag(s)" . . S PSI=0 D SETSUMM . I \$G(II)>0 D . . S PSOCOMM="The following exemption flags have been changed: ",PSI=0 D SETSUMM . . S II="" F S II=\$O(PSOCHG(II)) Q:II="" S PSOCOMM=PSOCHG(II),PSI=0 D SETSUMM Q ; ASKEXEM ; ASK THE EXEMPTION QUESTIONS K DIR S DIR("A")=PSOQUES,DIR(0)="YO" S:PSOTG(EXMT)=1 DIR("B")="Y" S:PSOTG(EXMT)=0 DIR("B")="N" D @HELPTAG ASKEXEM1 D ^DIR I X="@ " R !," Are you sure you want to delete this answer? ",X:DTIME I \$E(X)="Y",\$E(X)="y" G ASKEXEM1 I X="^" S X=\$G(DIR("B")) S Y=\$S(X="Y":1,X="N":0,1:"") S \$P(PSOIBQ,"^",PSOSUBS)=\$S(Y=1:1,Y=0:0,1:"") I \$P(PSOIBQ,"^",PSOSUBS)=\$P(OLDIBQ,"^",PSOSUBS) S II=II+1,PSOCHG(II)=\$S(EXMT="EC": "SWAC",1:EXMT)_: _ \$S(\$P(PSOIBQ,"^",PSOSUBS)=1:"Yes",\$P(PSOIBQ,"^",PSOSUBS)=0:"No",1:"") I Y=1 D . I PSOCOMM="" Q . D SETCOMM^PSOCP Q ; HELPEXEM ; help text for exemption edit question W !,"Enter 'Y' for Yes if you want to edit any applicable exemption flags such as" W !,"Service Connected (SC), Combat Veteran(CV), Agent Orange (AO), Ionizing" W !,"Radiation (IR), Southwest Asia Conditions (SWAC), PROJ 112/SHAD," W !,"Military Sexual Trauma (MST), or Head and/or Neck Cancer (HNC)."</pre>

Routine Name	PSOCPC
<pre> HELPEC ; S DIR("?")=" ",DIR("?","1")="Enter 'Yes' if this prescription is being used to treat a condition related to",DIR("?","2")="service in Southwest Asia. This response will be used to determine whether" S DIR("?","3")="or not a copay should be applied to the prescription." Q ; HELPMST ; S DIR("?")=" ",DIR("?","1")="Enter 'Yes' if this prescription is being used to treat a condition related",DIR("?","2")="to Military Sexual Trauma. This response will be used to determine whether or" S DIR("?","3")="not a copay should be applied to the prescription." Q ; HELPHNC ; S DIR("?")=" ",DIR("?","1")="Enter 'Yes' if this prescription is being used to treat Head and/or Neck Cancer",DIR("?","2")="due to nose or throat radium treatments while in the military. This response" S DIR("?","3")="will be used to determine whether or not a copay should be applied to the",DIR("?","4")="prescription." Q ; HELPCV ; S DIR("?")=" " S DIR("?","1")="Enter 'Yes' if this prescription is being used to treat a condition related" S DIR("?","2")="to Combat Services. This response will be used to determine whether or" S DIR("?","3")="not a copay should be applied to the prescription." Q ; HELPSHAD ; S DIR("?")=" " S DIR("?","1")="Enter 'Yes' if this prescription is being used to treat a condition related" S DIR("?","2")="to PROJ 112/SHAD. This response will be used to determine whether or" S DIR("?","3")="not a copay should be applied to the prescription." Q SETSUMM ; SET MESSAGE INTO SUMMARY S PSI=\$O(PSOSUMM(PSI)) G:\$O(PSOSUMM(PSI)) SETSUMM S PSI=PSI+1,PSOSUMM(PSI)=PSOCOMM K PSOCOMM Q ; </pre>	

APPENDIX A – REFERENCES

Title	Date
Fee Basis User Manual, Version 3.5, http:// [REDACTED]	January 1995, Revised January 2013
Fee Basis Technical Manual, http:// [REDACTED]	January 1995, Revised January 2013
Fee Basis Package Security Guide, Version 3.5, http:// [REDACTED]	January 1995
Camp Lejeune PL 112-154 Veterans Systems Changes BRD v10, http:// [REDACTED]	
Federal Information Processing Standards Publication (FIPS PUB) 140-2, Security Requirements for Cryptographic Modules (May 25, 2001)	
FIPS PUB 199, Standards for Security Categorization of Federal Information and information Systems	March 2004
FIPS PUB 200, Minimum Security Requirements for Federal Information and Information Systems	March 2006
National Institute of Standards and Technology (NIST) Special Publication (SP) (http:// [REDACTED]) <ul style="list-style-type: none"> • 800-30 • 800-37 • 800-53 • 800-60 rev 1, • 800-53 rev 3 • 800-111, 	
Section 508 Compliance, http:// [REDACTED]	
National Service Request (NSR) - 20100901, http:// [REDACTED]	
The Honoring America's Veterans and Caring for Camp Lejeune Families Act of 2012 (Summary of the Legislation), House Committee on Veterans Affairs, http:// [REDACTED]	Retrieved October 12, 2013
VA Directive 6500, Managing Information Security Risk: VA Information Security Program, http:// [REDACTED]	September 20, 2012
VA Handbook 6500, Risk Management Framework for VA Information Systems – Tier 3: VA Information Security Program, http:// [REDACTED]	September 20, 2012
Public Law 112-154 Honoring America's Veterans and Caring for Camp Lejeune Families Act of 2012, http:// [REDACTED]	April 15, 2011
Camp Lejeune Water Supplies VHA Office of Public Health web site on Camp Lejeune historical water contamination http:// [REDACTED]	Retrieved October 12, 2013

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- ***HR 1627 - Miller - Honoring Americas Veterans and Camp Lejeune Act - As Passed by House and Senate***



HR 1627 - Miller -
Honoring Americas Ve

- ***Camp Lejeune Script***



Camp Lejeune Script
- Final.doc

- ***Camp Lejeune Administration Instructions***



Camp Lejeune Admin
Instructions - final.do

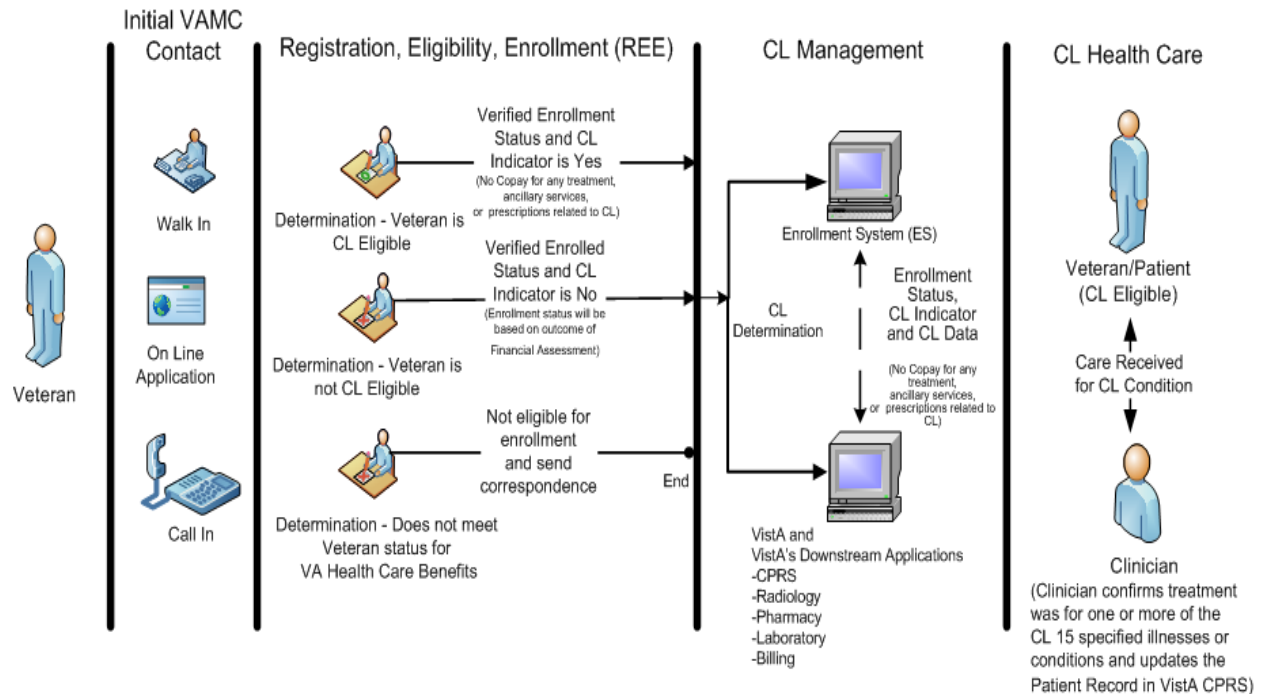
- ***Sectional Analysis – Public Law 112-154 (H.R. 1627)***



Section by Section
Summary - 080312.dc

APPENDIX B – CAMP LEJEUNE DIRECTIVE, ACTION AND RESULT MODEL

Process Camp Lejeune (CL) Veteran To-Be Conceptual Diagram As of January 18, 2013



Note:

- Registration, Eligibility, and Enrollment Process (REE)
- Veterans Health Information Systems and Technology Architecture (VistA)
- Enrollment System (ES)
- Data sharing between VistA and ES

APPENDIX C – STAKEHOLDERS, USERS, AND WORKGROUPS

Stakeholders

Type of Stakeholder	Description	Responsibilities
Requester	██████████ Program Manager, Chief Business Office / Systems Management, VHA	Submitted request. Submits business requirements. Monitors progress of request. Contributes to BRD development.
Endorser	██████████ Deputy Chief Business Officer, Member Services, Chief Business Office, VHA	Endorsed this request. Provides strategic direction to the program. Elicits executive support and funding. Monitors the progress and time lines.
Business Owner(s)/Program Office(s)	<ul style="list-style-type: none"> ██████████ Director, Health Eligibility Center, Chief Business Office, VHA ██████████ Eligibility Work stream Lead/PM, Health Eligibility Center (HEC), VHA 	Provide final approval of BRD with sign-off authority. Provide strategic direction to the program. Elicits executive support and funding. Monitors the progress and time lines.
Business and User Subject Matter Expert(s) (SME)	<ul style="list-style-type: none"> ██████████ - Financial Policy, Consolidated Patient Account Center (CPAC) Program Mgmt. Office ██████████ - Program Management Officer, Chief Business Office, VHA ██████████ Senior Analyst, VHA ██████████ Director, Systems Management, Chief Business Office ██████████ - Facility Revenue Analyst, CPAC Program Management Office (PMO) ██████████ - Revenue Systems Management, CPAC PMO ██████████ - Billing Policy Analyst, CPAC PMO ██████████ - Deputy Director, Quality and Performance, CPAC PMO ██████████ - Deputy Director, Finance & Logistics, CPAC program, VHA ██████████ Program Analyst, VHA ██████████ Business Analyst, CBO, Systems Management ██████████ Business Analyst, CBO, Systems Management ██████████ - CBO PMO Utilization Review Utilization Review (UR) Nurse Executive, VHA 	Provide background on current system and processes. Describe features of current systems, including known problems. Identify features of enhancement.
Technical SME(s)	<ul style="list-style-type: none"> ██████████ Software Services, PD ██████████ Fiscal Management Team, VHA 	Provide technical background information about the current software and requested enhancements.

Stakeholder Support Team (BRD Development)

Type of Stakeholder	Description	Responsibilities
Security Requirements SME(s)	██████████ GSEC, Management & Program Analyst, Health Care Security Requirements (HCSR), Health Information Governance (HIG) 10P2C, Office of Informatics and Analytics (OIA), CASE Security Specialist	Responsible for determining the certification and accreditation (CA) and other security requirements for the request.
Service Coordination SME(s)	██████████ Service Coordination / Service Reliability Management VHA Office of Health Information	Responsible for ensuring all aspects of non-functional requirements have been accurately recorded for this request.
Health Enterprise Systems Management Portfolio Staff	<ul style="list-style-type: none"> ██████████ Health Systems Manager, Office of Health Information / Health Systems, VHA ██████████ Program Specialist, Health Systems, Office of Health Information / Health Systems, VHA 	Serve as the liaison between the Program Office (Business Owner) and Product Development throughout the life cycle.
Health Enterprise System Management Requirements Analysis and Engineering Management (RAEM) Staff	██████████ Business Requirements Analyst, Office of Health Information / Health Systems, VHA	Responsible for working with all stakeholders to ensure the business requirements have been accurately recorded for this request.

Primary and Secondary Users

Type of User	Description	Responsibilities
Primary Users	Health benefit advisors	Captures details, coordinates work
Secondary Users	<ul style="list-style-type: none"> First- and third-party billing Enrollment coordinators Pharmacy personnel Scheduling clerks 	Responsible for entering veterans' eligibility information into VistA, Captures details, coordinates work, produces reports, schedules appointments

APPENDIX D – ENTERPRISE REQUIREMENTS

Below is a subset of enterprise-level requirements that are of particular interest to the business community. These requirements **MUST** be addressed within each project resulting from this work effort. If OIT cannot address these enterprise-level requirements, the business owners responsible for each area **MUST** be engaged in any waiver discussions prior to any decisions being made. This section is not meant to be a comprehensive list of all enterprise-level requirements that may apply to this work effort and should not preclude the technical community from reviewing all enterprise-level requirements, and identifying others that should apply to this work effort as well.

Enterprise-level requirements are contained in the VA Requirements Management Repository (RMR). Contact the RMR Team to gain access to the RMR and to obtain the comprehensive allocation of enterprise-level requirements for the project development iteration at [REDACTED]@va.gov.

ReqPro Tag	Requirement Type	Description
ENTR25	Security	All VA security requirements will be adhered to. Based on Federal Information Processing Standard Publication (FIPS) 199 and National Institute of Standards and Technology Special Publication (NIST SP) 800-60, recommended Security Categorization is Moderate. The Security Categorization will drive the initial set of minimal security controls required for the information system. Minimum security control requirements are addressed in NIST SP 800-53 and VA Handbook 6500, Appendix D.
ENTR99	Security	All VA security requirements will be adhered to. Based on Federal Information Processing Standard (FIPS) 199 and National Institute of Standards and Technology (NIST) SP 800-60, recommended Security Categorization is High. The Security Categorization will drive the initial set of minimal security controls required for the information system. Minimum security control requirements are addressed in NIST SP 800-53 and VA Handbook 6500, Appendix D.
ENTR100	Security	All VA security requirements will be adhered to. Based on Federal Information Processing Standard (FIPS) 199 and National Institute of Standards and Technology (NIST) SP 800-60, recommended Security Categorization is Moderate. The Security Categorization will drive the initial set of minimal security controls required for the information system. Minimum security control requirements are addressed in NIST SP 800-53 and VA Handbook 6500, Appendix D.
ENTR101	Security	All VA security requirements will be adhered to. Based on Federal Information Processing Standard (FIPS) 199 and National Institute of Standards and Technology (NIST) SP 800-60, recommended Security Categorization is Low. The Security Categorization will drive the initial set of minimal security controls required for the information system. Minimum security control requirements are addressed in NIST SP 800-53 and VA Handbook 6500, Appendix D.

ReqPro Tag	Requirement Type	Description
ENTR10	Privacy	All VA Privacy requirements will be adhered to. Efforts that involve the collection and maintenance of individually identifiable information must be covered by a Privacy Act system of records notice.
ENTR95	508 Compliance	All Section 508 requirements will be adhered to. Compliance with Section 508 will be determined by fully meeting the applicable requirements as set forth in the VHA Section 508 checklists (1194.21, 1194.22, 1194.24, 1194.31 and 1194.41) located at: http://www.va.gov/va118-13-f-0011 or as otherwise specified. Checkpoints will be established to ensure that accessibility is incorporated from the earliest possible design or acquisition phase and successfully implemented throughout the project.
ENTR7	Executive Order	All executive order requirements will be adhered to.
ENTR8	Identity Management	All Enterprise Identity Management requirements will be adhered to. These requirements are applicable to any application that adds, updates, or performs lookups on persons.
ENTR103	Terminology Services	Application/services shall reference the Standard Data Services (SDS) as the authoritative source to access non-clinical reference terminology.
ENTR104	Terminology Services	Application/Services shall use the VA Enterprise Terminology Services (VETS) as the authoritative source to access clinical reference terminology.
ENTR105	Terminology Services	Applications recording the assessments and care delivered in response to an Emergency Department visit shall conform to standards defined by the VHA-endorsed version of C 28 – Health Information Technology Standards Panel (HITSP) Emergency Care Summary Document Using Integrating the Healthcare Enterprise (IHE) Emergency Department Encounter Summary (EDES) Component.
ENTR106	Terminology Services	Applications exchanging data summarizing a patient's medical status shall conform to standards defined by the VHA-endorsed version of C 32 – HITSP Summary Documents Using Health Level 7 (HL7) Continuity of Care Document (CCD) Component.

APPENDIX E – ACRONYMS AND ABBREVIATIONS

The OIT Master Glossary resides at

<http://>

Acronyms and Abbreviations

Acronym	Definition
ACC	Account Classification Codes
ADR	Administrative Data Repository
ADT	Admission, Discharge and Transfer
AITC	Austin Information Technology Center
AO	Agent Orange
API	Application Program Interface
AR	Anesthesia Report
AR	Accounts Receivable
BN	Business need
BRD	Business Requirements Document
BRM	Business Reference Model
CA	Certification and Accreditation
CBO	Chief Business Office
CCD	Continuity of Care Document
CHAMP	Civilian Health and Medical Program
CIDC	Clinical Indicators Data Capture
CL	Camp Lejeune
CLEAR	Camp Lejeune Environmental Action Report
CL-V	Camp Lejeune-Veteran
CLVS	Camp Lejeune Veteran Support
CM	Configuration management
COTS	Commercial off-the-shelf
CPAC	Consolidated Patient Account Center
CPRS	Computerized Patient Record System
CV	Combat Veteran
DB	Database
DDs	Data DICTIONARIES
DEA	Drug Enforcement Agency

Acronym	Definition
DOB	Date of Birth
DOD	Department of Defense
DRG	Diagnosis Related Group
EA	Enterprise Architecture
EC	Environmental Contaminants
EDES	Emergency Department Encounter Summary
EI	Environmental Indicator
ERM	Enterprise Requirements Management
ES	Enrollment System
FBCS	Fee Basis Claims System
FEA	Federal Enterprise Architecture
FIPS PUB	Federal Information Processing Standard Publication
FMS	Financial Management System
FPPS	Fee Basis Payment Processing System
GUI	Graphical user interface
H.R	House Resolution
H.R.	House Resolution
HAPE	Health Administration Product Enhancement
HBA	Health Benefit Advisors
HCSR	Health Care Security Requirements
HEC	Health Eligibility Center
HIG	Health Information Governance
HITSP	Health Information Technology Standards Panel
HL7	Health Level 7
HNC	Head and/or neck cancer
IB	Integrated Billing
ICD	International Classification of Diseases
ICN	Internal Control Number
IDE	Integrated Development Environment
IHE	Integrating the Healthcare Enterprise
IR	Ionizing Radiation
IT	Information technology
JDK	Java Development Kit

Acronym	Definition
LOINC	Logical Observation Identifiers, Names, and Codes
LTC	Long Term Care
MPI	Master Patient Index
MSE	Military Service Episode
MST	Military Sexual Trauma
MUMPS or M	Massachusetts General Hospital Utility Multi-Programming System
NARA	National Archives and Record Administration
NIST	National Institute of Standards and Technology
NPCD	National Patient Care Database
NR	Nurse Intraoperative Report
NSR	New Service Request
NTRT	New Term Rapid Turnaround
O	Operation
O&M	Operations and maintenance
OED	Office of Enterprise Development
OIA	Office of Informatics and Analytics
OIT	Office of Information and Technology
OPP	Office of Policy and Planning
OS	Operation Startup
OSS	Operation (Short Screen)
OWNR	Owner Requirement
PCE	Patient Care Encounter
PD	Product Development
PFSS	Patient Financial Service System
PIMS	Patient Information Management System
PL	Public Law
PMAS	Project Management Accountability System
PMO	Program Management Office
PO	Post Operation
PRM	Performance Reference Model
PTF	Patient Treatment File
RAEM	Requirements Analysis and Engineering Management
REE	Registration Enrollment and Eligibility

Acronym	Definition
RMR	Requirements Management Repository
SAC	Standards and Conventions for Programmers
SC	Service-Connected
SDD	Software Design Document
SDS	Standard Data Services
SHAD	Shipboard Hazard and Defense
SME	Subject Matter Expert
SNOMED CT	Systematized Nomenclature of Medicine Clinical Terms
SP	Special Publication
SS	Surgical Staff
SSD	Software Specification Document
STS	Standards and Terminology Services
TRM	Technical Reference Model
UR	Utilization Review
V	Surgeon's Verification of Diagnosis & Procedures
VA	Department of Veterans Affairs
VAMC	VA Medical Center
VAPM	Veteran Affairs Payment Manager
VETS	VA Enterprise Terminology Services
VHA	Veterans Health Administration
VISN	Veterans Integrated Service Network
Vista	Veterans Health Information Systems and Technology Architecture
VSSC	VHA Support Service Center
XML	eXtensible Markup Language

Terms

Term	Definition
Camp Lejeune Eligible	Veterans and their families that resided in Camp Lejeune between January 1, 1957 and December 31, 1987 that were physically affected by the water contamination

APPENDIX F – SDD APPROVAL SIGNATURES

REVIEW DATE: *<date>*

SCRIBE: *<name>*

Signed:

Integrated Project Team (IPT) Co-Chair

Date

[REDACTED]

IT Program Manager / Integrated Project Team (IPT) Co-Chair

Date

[REDACTED]

Business Sponsor

Date

[REDACTED]

Project Manager

Date

[REDACTED]