Camp Lejeune-Veterans (CL-V)

Increment 4

Problem List V. 2.0

Patch GMPL\*2.0\*48

System Design Document (SDD)



Department of Veterans Affairs

Office of Information and Technology (OI&T)

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Revision History

| Date | Version | Description | Author |
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| 05/02/2016 | .24 | Updated GMPLUTL routine for Test Version 2 code updates to merge with GMPL\*2.0\*40. Updated 14 routines with DD and Build information that was missing or erroneous. Added table for applicable ICRs. |  |
| 03/30/2016 | .23 | Added sub-SPECs to pertinent routines that only had to the top level SPEC. |  |
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| 07/30/2015 | .14 | GMPLEDT2 updated to include CL-V logic matching Agent Orange more fully. GMPLX1 updated with PTR logic back with SHAD and not CL-V. |  |
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| 06/22/2015 | .10 | Updated GMPLHIST routine documentation fully. |  |
| 06/19/2015 | .09 | Updated GMPLMGR2 routine documentation fully. |  |
| 06/18/2015 | .08 | Updated GMPLENFM routine documentation fully. |  |
| 06/17/2015 | .07 | Updated GMPLUTL routine documentation fully. |  |
| 06/16/2015 | .06 | Updated GMPLUTL1 routine documentation fully. |  |
| 06/15/2015 | .05 | Updated GMPLEDT2 routine documentation fully. |  |
| 06/12/2015 | .04 | Updated GMPLSAVE routine documentation fully. |  |
| 06/10/2015 | .03 | Updated GMPLEDT3 routine documentation fully. |  |
| 06/08/2015 | .02 | Initial TW Review. Editorial and formatting review; defined acronyms; added new acronyms to acronym table; added List of Tables; general 508 compliance check.  **Note**: Repeated blank characters are in the VistA routines and are unavoidable. |  |
| 05/05/2015 | .01 | Initial creation |  |

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# Introduction

Public Law 112-154 was enacted to furnish the Department of Veterans Affairs (VA) medical services and hospital care to Veterans stationed at Camp Lejeune between August 1, 1953 and December 31, 1987. Veterans serving at this location for at least 30 days may suffer from medical conditions and/or illnesses arising from their exposure to water contaminated by hazardous chemicals.

Software enhancements to the Veterans Health Information Systems and Technology Architecture (VistA) and to the centralized Health Eligibility Center (HEC) Enrollment System Core (ESC) are required for maintaining the Camp Lejeune-Veterans (CL-V) support information in the Veteran records. This implies that enhancements to the Health Level 7 (HL7) messaging between VistA and ESC as well as other external consumers of CL-V data are also required as part of the software development effort.

The purpose of this System Design Document (SDD) is to outline the design specifications for the CL-V project for the Problem List application. The change to Problem List will be done via patch GMPL\*2.0\*48. Wherever the Problem List patch is referenced in this SDD, it is for Problem List patch GMPL\*2.0\*48.

## Scope

For detailed information, refer to the Camp Lejeune PL 112-154 System Changes to Support Provisions Affecting Veterans BRD (Business Requirements Document).

This section outlines the scope inclusions and exclusions (where applicable) of the CL-V project for the Problem List application.

Table : Scope Inclusions

| Includes |
| --- |
| Display, Collect, and Store Camp Lejeune Status in CPRS Problems Tab. |
| Display, Collect, and Store Camp Lejeune Status in the VistA Problem List Application. |
| The Camp Lejeune indicator “CL” will be shown when related to a patient’s problem within the display of a Patient’s Problem List. |
| The Camp Lejeune indicator will be shown in the Detailed Display of a problem when indicated that the patient’s problem is associated to the patient’s Camp Lejeune eligibility. |
| The VistA Problem List application shall use the Veteran’s VHA registration record to determine if the Veteran is eligible for Camp Lejeune status for an item within the Veteran’s Problem List. |
| The Camp Lejeune exposure question will be prompted for when adding a new or editing an existing problem when the Veteran is Camp Lejeune eligible. |
| The Camp Lejeune exposure prompt question will not be prompted for when adding a new or editing an existing problem when the Veteran is not Camp Lejeune eligible. |
| When the Camp Lejeune exposure is added to or the prompt question value is changed for a problem within a patient’s problem list, the added or update of the Camp Lejeune exposure response will be displayed within the Veteran’s problem list history. |

Table : Scope Exclusions

| Excludes |
| --- |
| N/A |

## User Profiles

Problem List Version 2 supports primary care providers in both Inpatient and Ambulatory Care settings, including physicians, nurses, social workers, psychologists, and others. It also is designed to be used by the Patient Information Management System (PIMS) clinic and ward clerks, as well as coding clerks. Many data entry methods are possible with this program.

These individuals, PIMS clinic, ward, and coding clerks, manually perform the tasks associated with the Problem List applications, and are already familiar with how to establish and track environmental indicators, of which CL-V is one. Each site where VistA is installed has its own staff of intended users. See Section 1.4.5 in the CL-V VistA Inc. 4 Training Plan on the CL-V TSPR site for information.

The VA OI&T staff will be responsible for support and maintenance of the current VistA applications, of which Problem List is but a very small part.

# Background

This section provides an overview of the system, business process, and business benefits.

## Overview of the System

The Problem List (GMPL) Software Package is used to document and track a patient’s problems. It provides clinicians with a current and historical view of a patient’s healthcare problems, and allows each identified problem to be traced through the Decentralized Hospital Computer Program (DHCP) system in terms of treatment, test results, and outcome.

## Overview of the Business Process

The Problem List program is used to document and track a patient’s problems. It provides clinicians with a current and historical view of a patient’s healthcare problems. Users who manage a Patient’s problem list, either from VistA or CPRS, will be able to indicate that a patient’s problem is related to their exposure to Camp Lejeune water contaminants.

See details for Problem List in Section 2.6.18 of the CL-V Increment 4 VistA RSD, found on the CL-V TSPR site.

The CL-V Inc 4 RTM (Requirements Traceability Matrix), found on the CL-V TSPR site, contains a tab for Problem List, which displays a listing of all Problem List requirements linked to the Business Needs found in the Camp Lejeune PL 112-154 System Changes to Support Provisions Affecting Veterans BRD.

## Overview of the Significant Requirements

The Requirements Specification Document (RSD) for the CL-V Increment 4 applications is the CL-V Increment 4 VistA RSD, found on the CL-V TSPR site.

This section provides an overview of the significant requirements for the Problem List patch.

### Overview of Significant Functional Requirements

The table below lists the significant functional requirements.

Table : Functional Requirements

| ID | Requirement |
| --- | --- |
| 2.6.18.1 | Display, Collect, and Store Camp Lejeune Status in CPRS Problems Tab. |
| 2.6.18.2 | Display, Collect, and Store Camp Lejeune Status in the VistA Problem List Application. |
| 2.6.18.3 | The Camp Lejeune indicator “CL” will be shown when related to a patient’s problem within the display of a Patient’s Problem List. |
| 2.6.18.4 | The Camp Lejeune indicator will be shown in the Detailed Display of a problem when indicated that the patient’s problem is associated to the patient’s Camp Lejeune eligibility. |
| 2.6.18.5 | The VistA Problem List application shall use the Veteran’s VHA registration record to determine if the Veteran is eligible for Camp Lejeune status for an item within the Veteran’s Problem List. |
| 2.6.18.6 | The Camp Lejeune exposure question will be prompted for when adding a new or editing an existing problem when the Veteran is Camp Lejeune eligible. |
| 2.6.18.7 | The Camp Lejeune exposure prompt question will not be prompted for when adding a new or editing an existing problem when the Veteran is not Camp Lejeune eligible. |
| 2.6.18.8 | When the Camp Lejeune exposure is added to or the prompt question value is changed for a problem within a patient’s problem list, the added or update of the Camp Lejeune exposure response will be displayed within the Veteran’s problem list history. |

### Overview of Functional Workload / Performance Requirements

N/A

Table : Workload and Performance Requirements

| ID | Requirement |
| --- | --- |
| N/A | N/A |

### Overview of Operational Requirements

N/A

Table : Operational Requirements

| ID | Requirement |
| --- | --- |
| N/A | N/A |

### Overview of the Technical Requirements

The Problem List’s software architecture and infrastructure are in compliance with VA Technical reference model and Enterprise Infrastructure Engineering Team’s standards using Caché Studio 2014.1.3. The details of the Requirements for Problem List are in Section 2.6.18 of the CL-V Increment 4 VistA RSD, found on the CL-V TSPR site.

Table : Technical Requirements

| ID | Requirement |
| --- | --- |
| 2.6.18.1 | Display, Collect, and Store Camp Lejeune Status in CPRS Problems Tab. |
| 2.6.18.2 | Display, Collect, and Store Camp Lejeune Status in the VistA Problem List Application. |
| 2.6.18.3 | The Camp Lejeune indicator “CL” will be shown when related to a patient’s problem within the display of a Patient’s Problem List. |
| 2.6.18.4 | The Camp Lejeune indicator will be shown in the Detailed Display of a problem when indicated that the patient’s problem is associated to the patient’s Camp Lejeune eligibility. |
| 2.6.18.5 | The VistA Problem List application shall use the Veteran’s VHA registration record to determine if the Veteran is eligible for Camp Lejeune status for an item within the Veteran’s Problem List. |
| 2.6.18.6 | The Camp Lejeune exposure question will be prompted for when adding a new or editing an existing problem when the Veteran is Camp Lejeune eligible. |
| 2.6.18.7 | The Camp Lejeune exposure prompt question will not be prompted for when adding a new or editing an existing problem when the Veteran is not Camp Lejeune eligible. |
| 2.6.18.8 | When the Camp Lejeune exposure is added to or the prompt question value is changed for a problem within a patient’s problem list, the added or update of the Camp Lejeune exposure response will be displayed within the Veteran’s problem list history. |

### Overview of the Security or Privacy Requirements

N/A

Table : Security Requirements

| ID | Requirement |
| --- | --- |
| N/A | N/A |

### Overview of System Criticality and High Availability Requirements

N/A

### Single Sign-on Requirement

N/A

### Requirement for Use of Enterprise Portals

N/A

### Special Device Requirements

N/A

# Conceptual Design

This section provides an overview of the conceptual design, including:

* Conceptual Application Design
* Conceptual Data Design
* Conceptual Infrastructure Design

## Conceptual Application Design

This subsection describes the conceptual application design.

### Application Context

The diagram below illustrates the application context of the components related to this specific release.

Figure : Camp Lejeune Context Diagram – VistA

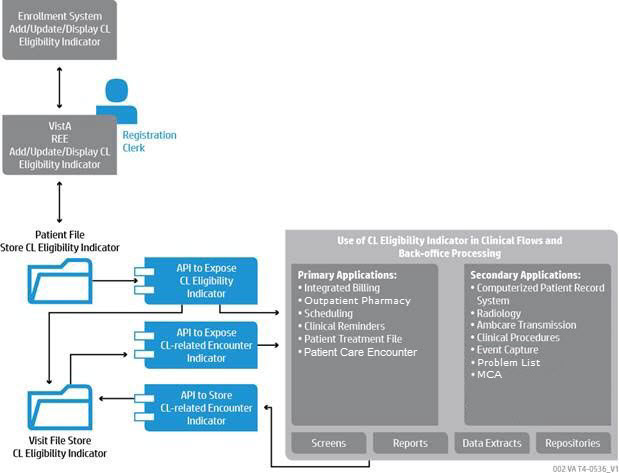


Table (Grouping): Application Context Description

Object

| ID | Name | Description | Interface Name | Interface System |
| --- | --- | --- | --- | --- |
| N/A | N/A | N/A | N/A | N/A |

Interfaces External to OI&T

| ID | Name | Related Object | Input Messages | Output Messages | External Party |
| --- | --- | --- | --- | --- | --- |
| N/A | N/A | N/A | N/A | N/A | N/A |

Interfaces Internal to OI&T

| ID | Name | Related Object | Input Messages | Output Messages | External Party |
| --- | --- | --- | --- | --- | --- |
| N/A | N/A | N/A | N/A | N/A | N/A |

Externally Shared Data Stores

| ID | Name | Data Stored | Owner | Access |
| --- | --- | --- | --- | --- |
| N/A | N/A | N/A | N/A | N/A |

### High-Level Application Design

The CL-V Inc 4 modifications to the Problem List application have no impact to the existing high-level design of VistA.

Table (Grouping): Objects in the High Level Application Design

Objects / Components to be Built or Modified

| ID | Name | | Description | Service or Legacy Code | External Interface Name | External Interface ID | Internal Interface Name | Internal Interface ID | SDP Sections 1&2 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| N/A | N/A | N/A | | N/A | N/A | N/A | N/A | N/A | NA/ |

Internal Data Stores

| ID | Name | Data Stored | Steward | Access |
| --- | --- | --- | --- | --- |
| N/A | N/A | N/A | N/A | N/A |

### Application Locations

VistA Problem List is an application that resides on the existing VistA application and infrastructure servers. No change in this area is introduced.

Table : Application Locations

| Application Component | Description | Location at Which Component is Run | Type |
| --- | --- | --- | --- |
| N/A | N/A | N/A | N/A |

Table : Application Users

| Application Component | Location | User |
| --- | --- | --- |
| Problem List User Interface | VistA sites | Administrative Staff |

## Conceptual Data Design

This section is not applicable to this SDD.

### Project Conceptual Data Model

The Problem List Package does not utilize a data model. This is not applicable to VistA.

### Database Information

There is no external database associated with the Problem List Package. It is not applicable to VistA.

Table : Database Inventory

| Database Name | Description | Type | Steward |
| --- | --- | --- | --- |
| N/A | N/A | N/A | N/A |

### User Interface Data Mapping

N/A

#### Application Screen Interface

N/A

##### GUI Screens

N/A

Table : Screen Description

| Graphical User Interface (GUI) Field | Table (Database Table that field connects to) | Field (Field in Table that the GUI field connects to) | Comments |
| --- | --- | --- | --- |
| N/A | N/A | N/A | N/A |

#### Application Report Interface

There is no Application Report Interface applicable to the Problem List application.

##### Report Names

There are no reports to mention, so there are no figures and tables in this section.

#### Unmapped Data Element

N/A

## Conceptual Infrastructure Design

There is no change in infrastructure design for this release.

### System Criticality and High Availability

N/A

### Special Technology

N/A

Table Special Technology Requirements

| Special Technology | Description | Notional Location | TRM Status |
| --- | --- | --- | --- |
| N/A | N/A | N/A | N/A |

### Technology Locations

The Problem List patch will be installed in each VA VistA instance by VA OI&T staff.

There are no specific components apart from VistA that the Problem List patch includes or adds. It is all legacy mainframe-based.

Table (Grouping): Technology Location Details

| Technology Component  Production 1 | Location | Usage |
| --- | --- | --- |
| Workstations | N/A | N/A |
| Special Hardware | N/A | N/A |
| Interface Processors | N/A | N/A |
| Legacy Mainframe | N/A | N/A |
| Legacy Application Server | N/A | N/A |
| Legacy Databases | N/A | N/A |
| Other | N/A | N/A |

| Technology Component  Production 2 | Location | Usage |
| --- | --- | --- |
| N/A | N/A | N/A |

| Technology Component  Certification | Location | Usage |
| --- | --- | --- |
| N/A | N/A | N/A |

| Technology Component  Education | Location | Usage |
| --- | --- | --- |
| N/A | N/A | N/A |

| Technology Component  Test | Location | Usage |
| --- | --- | --- |
| N/A | N/A | N/A |

| Technology Component  Development | Location | Usage |
| --- | --- | --- |
| N/A | N/A | N/A |

### Conceptual Infrastructure Diagram

There is no change in infrastructure for this release.

#### Location of Environments and External Interfaces

N/A

#### Conceptual Production String Diagram

N/A

# System Architecture

There is no change in the System Architecture for this release.

## Hardware Architecture

There is no change in the Hardware Architecture for this release.

## Software Architecture

There is no change in the Software Architecture for this release.

## Network Architecture

There is no change in the Network Architecture for this release.

## Service Oriented Architecture / ESS

There is no change in the Service Oriented Architecture for this release.

## Enterprise Architecture

There is no change in the Enterprise Architecture for this release.

# Data Design

This section describes the data design (where applicable).

## DBMS Files

N/A

## Non-DBMS Files

N/A

## Data View

N/A

# Detailed Design

The Problem List patch has very little architectural impact on the overall system. as it has similarities to other features such as Agent Orange, Shipboard Hazard and Defense (SHAD), etc., and uses similar design components to store and maintain.

## Hardware Detailed Design

There is no change in the Hardware for this release.

## Software Detailed Design

There is no change to the Software Detailed Design for this release.

### Conceptual Design

There is no change to the Conceptual Design for this release as all updates will adhere to the existing VistA design concepts, conventions, and guidelines.

#### Product Perspective

Existing Problem List software supports other environmental indicators such as Agent Orange and SHAD. The CL-V project uses the same business model and data structures to add the new functionality for tracking and utilizing the new Environmental Factor for CL-V.

##### User Interfaces

The user interfaces for Problem List can be seen in Section 2.6.18 in the CL-V Increment 4 VistA RSD. In the RSD, please refer to the appropriate Section and the Requirement IDs in the list below for specific screen shots:

**See Section 2.6.18, Table 15, Functional Requirements for Problem List:**

2.6.18.1.4

2.6.18.3.1

2.6.18.4

2.6.18.7.2

2.6.18.8

##### Hardware Interfaces

N/A

##### Software Interfaces

Table 16 lists the Integration Control Registrations (ICRs) applicable to this Problem List patch.

Table : Applicable ICRs

| **ICR** | **Custodian** | **Usage** | **Description** | **New/Modified** |
| --- | --- | --- | --- | --- |
| 354 | Problem List | Private | ACTIVE^GMPLENFM is called to get a list of the patient’s active problems, which includes environmental factor information that now adds Camp Lejeune. | Modified |
| 928 | Problem List | Controlled Subscription | ACTIVE^GMPLUTL is updated to include Camp Lejeune in the information output for a patient’s problems. CREATE^GMPLUTL & UPDATE^GMPLUTL are updated to add Camp Lejeune to the array of environmental factors. | Modified |
| 1183 | Problem List | Controlled Subscription | The Exposure String for each Problem in the Patient’s list is updated to include Camp Lejeune in the GETLIST^GMPLHS API. | Modified |
| 1365 | Problem List | Controlled Subscription | ACTIVE^GMPLENFM & DSELECT^GMPLENFM are updated to include Camp Lejeune in the environmental factor information in the patient’s active list of problems. | Modified |
| 2743 | Problem List | Private | VADPT^GMPLX1 API updated to output a new variable GMPCLV which denotes the Camp Lejeune indicator value of 1 – Yes, 0 – No, or “” if Unknown. SCCOND^GMPLX1 API is updated to add Camp Lejeune indicator information to the SC array node SC(“CLV”). SC^GMPLX1 API is updated to add Camp Lejeune information to its SC array nodes 1, 2 & 3. | Modified |
| 2977 | Problem List | Controlled Subscription | GETFLDS^GMPLEDT3 API updated to add the field number 1.19 to the array which denotes the Camp Lejeune indicator stored in the PROBLEM file. | Modified |

##### Communications Interfaces

N/A

##### Memory Constraints

The effects of the CL-V data on the dynamic memory and disk storage is insignificant compared to the existing overall dynamic memory and disk storage for the Problem List application. There are no memory constraints given the nature of the addition. It uses existing features such as Agent Orange, SHAD, etc.

##### Special Operations

N/A

#### Product Features

The Problem List patch does not add any new features. It adds an additional environmental prompt to existing functionality on screens found under Requirement ID 2.6.18 in the CL-V Increment 4 VistA RSD, which is found on the CL-V TSPR site.

#### User Characteristics

Problem List Version 2 supports primary care providers in creating lists of problems at the patient level from outpatient encounters. The users include physicians, nurses, social workers, psychologists, and others. It also is designed to be used by PIMS clinic and ward clerks as well as coding clerks. Many data entry methods are possible with this program.

#### Dependencies and Constraints

CL-V Increment 3 VistA Registration Eligibility and Enrollment (REE), in host file DG\*5.3\*P909.KID, will be in place so that Camp Lejeune eligibility can be shown in the Registration Application and help drive the related business processes.

Prior to the installation of the Inc 4 Problem List patch, CPRS patch, OR\*3.0\*407, must already be installed. Refer to Section 3, Implementation, of the CL-V VistA Inc 4 Installation Back-out Rollback Plan*,* found on the CL-V TSPR site*,* for full, detailed instructions.

### Specific Requirements

For specific requirements, see section 2.6.18 in the CL-V Increment 4 VistA RSD.

For an historical perspective, see the CL-V VistA Registration, Eligibility, and Enrollment (REE) Increment 3 System Design Document.

#### Database Repository

Database Repositories are related to relational databases which are not related to VistA. VistA relies on the Caché hierarchical database design.

#### System Features

The System Features are described in Section 2.6.18 of the Requirements Specification Document, CL-V Increment 4 VistA RSD, found on the CL-V TSPR site.

#### Design Element Tables

N/A

##### Routines (Entry Points)

Table : GMPLDISP Routines

| Routines | Activities | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Routine Name** | GMPLDISP | | | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | | No Change | | | |
| **RTM** | 2.6.18.4 | | | | | | | | | |
| **Related Options** | GMPL CLINICAL USER, GMPL DATA ENTRY | | | | | | | | | |
| Related Routines | Routines “Called By” | | | | | Routines “Called” | | | |
|  | N/A | | | | | DT^GMPLHIST  $$ICDDESC^GMPLUTL2  $$SCTTEXT^GMPLUTL2  $$EXTDT^GMPLX  $$MSG^GMPLX  $$PAD^GMPLX  $$PROBTEXT^GMPLX  WRAP^GMPLX  $$CODECS^ICDEX  $$CSI^ICDEX  $$SAB^ICDEX  $$ICDDATA^ICDXCODE  $$SETSTR^VALM1  CLEAN^VALM10  CNTRL^VALM10  $$FMTE^XLFDT  $$HTFM^XLFDT  $$REPEAT^XLFSTR | | | |
| Routines | Activities | | | | | | | | |
| **Data Dictionary (DD) References** | ^AUPNPROB(  ^DIC(49  ^GMPL(125.8  ^SC(  ^TMP("GMPLCMT"  ^TMP("GMPLIDX"  ^VA(200 | | | | | | | | |
| **Related Protocols** | DETAILED DISPLAY | | | | | | | | |
| **Related Integration Control Registrations (ICRs)** | None | | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | | Global Reference | Local |
| **Input Attribute Name and Definition** | ^AUPNPROB(IEN,1), GMPL1 – GMPL1 is the Local variable set to the Global Reference shown here | | | | | | | | |
| **Output Attribute Name and Definition** | SP is a string of uparrow delimited Environmental Contaminants, e.g., “AGENT ORANGE^CAMP LEJEUNE” | | | | | | | | |
| Current Logic | | | | | | | | | |

GMPLDISP ; ISL/MKB,JER,TC - Problem List detailed display ;08/26/14 11:57  
 ;;2.0;Problem List;\*\*21,26,35,36,42,45\*\*;Aug 25, 1994;Build 53

………………………..

PROB ; Display problem GMPIFN  
 N LINE,STR,I,J,L,TEXT,NOTE,GMPLDT,GMPL0,GMPL1,GMPL800,GMPL803,X,Y,IDT,FAC,AIFN,SP,LCNT  
 N NIFN,SCTC,SCTD,SCTT,PROVNAR,ICDDESC,DESCR,ICD,PNTXT,GMPLCSYS,GMICDLBL,GMPL802,GMPLNTDT,GMPLATHR,GMPLTEXT  
 K ^TMP("GMPLCMT",$J)  
 G:'$G(GMPIFN) ERROR D CLEAN^VALM10  
 S GMPL0=$G(^AUPNPROB(GMPIFN,0)),GMPL1=$G(^(1)),GMPL800=$G(^(800)),GMPL802=$G(^(802)),GMPL803=$G(^(803,0)),LCNT=1,SP=""  
 S GMPLDT=$S(+$P(GMPL802,U,1):$P(GMPL802,U,1),+$P(GMPL1,U,9):$P(GMPL1,U,9),+$P(GMPL0,U,8):$P(GMPL0,U,8),1:DT)  
 S GMPLCSYS=$S($P(GMPL802,U,2)]"":$P(GMPL802,U,2),1:$$SAB^ICDEX($$CSI^ICDEX(80,+GMPL0),GMPLDT))  
F I=11,12,13,15,16,17,18 S:+$P(GMPL1,U,I) SP=SP\_$S(I=11:"AGENT ORANGE",I=12:"RADIATION",I=13:"ENV CONTAMINANTS",I=15:"HEAD/NECK CANCER",I=16:"MIL SEXUAL TRAUMA",I=17:"COMBAT VET",1:"SHAD")\_U

| Modified Logic (Changes are in bold) |
| --- |
| GMPLDISP ; ISL/MKB,JER,TC - Problem List detailed display ;08/26/14 11:57  ;;2.0;Problem List;\*\*21,26,35,36,42,45**,48**\*\*;Aug 25, 1994;Build 17  …………………………  PROB ; Display problem GMPIFN  N LINE,STR,I,J,L,TEXT,NOTE,GMPLDT,GMPL0,GMPL1,GMPL800,GMPL803,X,Y,IDT,FAC,AIFN,SP,LCNT  N NIFN,SCTC,SCTD,SCTT,PROVNAR,ICDDESC,DESCR,ICD,PNTXT,GMPLCSYS,GMICDLBL,GMPL802,GMPLNTDT,GMPLATHR,GMPLTEXT  K ^TMP("GMPLCMT",$J)  G:'$G(GMPIFN) ERROR D CLEAN^VALM10  S GMPL0=$G(^AUPNPROB(GMPIFN,0)),GMPL1=$G(^(1)),GMPL800=$G(^(800)),GMPL802=$G(^(802)),GMPL803=$G(^(803,0)),LCNT=1,SP=""  S GMPLDT=$S(+$P(GMPL802,U,1):$P(GMPL802,U,1),+$P(GMPL1,U,9):$P(GMPL1,U,9),+$P(GMPL0,U,8):$P(GMPL0,U,8),1:DT)  S GMPLCSYS=$S($P(GMPL802,U,2)]"":$P(GMPL802,U,2),1:$$SAB^ICDEX($$CSI^ICDEX(80,+GMPL0),GMPLDT)) **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.4 Add CAMP LEJEUNE to display Problem List**  F I=11,12,13,15,16,17,18**,19** S:+$P(GMPL1,U,I) SP=SP\_$S(I=11:"AGENT ORANGE",I=12:"RADIATION",I=13:"ENV CONTAMINANTS",I=15:"HEAD/NECK CANCER",I=16:"MIL SEXUAL TRAUMA",I=17:"COMBAT VET",I=18:"SHAD"**,I=19:"CAMP LEJEUNE"**,1:"")\_U |

Table : GMPLEDIT Routines

| Routines | Activities | | | |
| --- | --- | --- | --- | --- |
| **Routine Name** | GMPLEDIT | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **RTM** | 2.6.18.2 | | | |
| **Related Options** | GMPL DATA ENTRY, GMPL CLINICAL USER | | | |

| Related Routines | Routines “Called By” | | | Routines “Called” | | |
| --- | --- | --- | --- | --- | --- | --- |
|  | N/A | | | YN^DICN  $$EDITED^GMPLEDT2  $$MSG^GMPLEDT3  GETFLDS^GMPLEDT3  EN^GMPLSAVE  $$EXTDT^GMPLX  WRAP^GMPLX  $$SETSTR^VALM1  CLEAN^VALM10  CNTRL^VALM10  $$FMTE^XLFDT  $$REPEAT^XLFSTR | | |
| Routines | Activities | | | | | |
| Data Dictionary (DD) References | ^AUPNPROB(  ^TMP("GMPLEDIT"  ^VA(200  ^XUSEC("GMPL ICD CODE" | | | | | |
| Related Protocols | Edit a Problem | | | | | |
| Related Integration Control Registrations (ICRs) | N/A | | | | | |
| Data Passing | Input | Output Reference | Both | | Global Reference | Local |
| Input Attribute Name and Definition | GMPFLD(1.19) – Camp Lejeune indicated if 1, 0 otherwise | | | | | |
| Output Attribute Name and Definition | SP – string of uparrow delimited environmental factor full desc strings, such as AGENT ORANGE^CAMP LEJEUNE | | | | | |
| Current Logic | | | | | | |

GMPLEDIT ; SLC/MKB/KER -- VALM Utilities for Edit sub-list ; 04/15/2002  
 ;;2.0;Problem List;\*\*26,35\*\*;Aug 25, 1994;Build 26

……………………..

EN ; Init Variables, list array  
 ; Expects GMPIFN IEN of file 900011 (required)  
 ; GMPLNUM Sequence # of Problem Edit (optional)  
 W !!,"Retrieving current data for problem "  
 W $S($G(GMPLNUM):"#"\_GMPLNUM\_" ",1:"")\_"...",! K GMPFLD,GMPORIG  
 ; Set GMPFLD() and GMPORIG() Arrays  
 D GETFLDS^GMPLEDT3(GMPIFN)  
 I '$D(GMPFLD) W !!,"ERROR -- Cannot continue.",! S VALMBCK="Q" G KILL  
INIT ; Build list from GMPFLD()  
 N LCNT,TEXT,I,SP,LINE,STR,NUM,NOTE,ICD  
 S LCNT=1,ICD=$S($D(^XUSEC("GMPL ICD CODE",DUZ)):1,1:0)  
  S SP="" F I=1.11,1.12,1.13,1.15,1.16,1.17,1.18 S:GMPFLD(I) SP=SP\_$P(GMPFLD(I),U,2)\_U  
 S:$L(SP) SP=$E(SP,1,$L(SP)-1)  
 K GMPSAVED,GMPREBLD D CLEAN^VALM10  
 D WRAP^GMPLX($P(GMPFLD(.05),U,2),65,.TEXT)  
 ; Line 1  
 S LINE="1 Problem: "\_TEXT(1)  
 S ^TMP("GMPLEDIT",$J,LCNT,0)=LINE D HI(LCNT,1)  
 I $D(GMPLUSER),GMPARAM("VER"),GMPFLD(1.02)="T" S LINE=$E(LINE,1,12)\_"$"\_$E(LINE,14,79),^TMP("GMPLEDIT",$J,LCNT,0)=LINE D HI(LCNT,13)  
 I TEXT>1 F I=2:1:TEXT S LCNT=LCNT+1,^TMP("GMPLEDIT",$J,LCNT,0)=" "\_TEXT(I)  
 S LCNT=LCNT+1,^TMP("GMPLEDIT",$J,LCNT,0)=" "  
IN1 ; Line 2  
 S LINE="2 Onset: ",STR=$P(GMPFLD(.13),U,2)  
 S LINE=LINE\_$S(STR="":"unknown",1:STR),LCNT=LCNT+1  
 I GMPVA S STR=$S(ICD:7,1:6)\_" SC Condition: "\_$S(GMPFLD(1.1)="":"unknown",1:$P(GMPFLD(1.1),U,2)),LINE=$$SETSTR^VALM1(STR,LINE,45,34)  
 S ^TMP("GMPLEDIT",$J,LCNT,0)=LINE F I=1,45 D HI(LCNT,I)  
IN2 ; Line 3  
 S LINE="3 Status: "\_$P(GMPFLD(.12),U,2),LCNT=LCNT+1  
 I $E(GMPFLD(.12))="A",$L(GMPFLD(1.14)) S LINE=LINE\_"/"\_$P(GMPFLD(1.14),U,2)  
 I $E(GMPFLD(.12))="I",GMPFLD(1.07) S LINE=LINE\_", Resolved "\_$P(GMPFLD(1.07),U,2)  
 I GMPVA S STR=$S(ICD:8,1:7)\_" Exposure: "\_$S('$L(SP):"<None>",1:$P(SP,U)),LINE=$$SETSTR^VALM1(STR,LINE,45,34)  
 S ^TMP("GMPLEDIT",$J,LCNT,0)=LINE F I=1,45 D HI(LCNT,I)  
IN3 ; Line 4  
 S LINE="4 Provider: "\_$P(GMPFLD(1.05),U,2),LCNT=LCNT+1  
 I GMPVA,$L(SP,U)>1 S STR=$P(SP,U,2),LINE=$$SETSTR^VALM1(STR,LINE,60,20)  
 S ^TMP("GMPLEDIT",$J,LCNT,0)=LINE D HI(LCNT,1)  
 ; Line 5  
 I $E(GMPLVIEW("VIEW"))="S" S LINE="5 Service: "\_$P(GMPFLD(1.06),U,2)  
 E  S LINE="5 Clinic: "\_$P(GMPFLD(1.08),U,2)  
 I GMPVA,$L(SP,U)>2 S STR=$P(SP,U,3),LINE=$$SETSTR^VALM1(STR,LINE,60,20)  
 S LCNT=LCNT+1,^TMP("GMPLEDIT",$J,LCNT,0)=LINE D HI(LCNT,1) G:'ICD IN4

| Modified Logic (Changes are in bold) |
| --- |
| GMPLEDIT ; SLC/MKB/KER -- VALM Utilities for Edit sub-list ; 04/15/2002  ;;2.0;Problem List;\*\*26,35**,48**\*\*;Aug 25, 1994;Build 17  ………………………………  EN ; Init Variables, list array  ; Expects GMPIFN IEN of file 900011 (required)  ; GMPLNUM Sequence # of Problem Edit (optional)  W !!,"Retrieving current data for problem "  W $S($G(GMPLNUM):"#"\_GMPLNUM\_" ",1:"")\_"...",! K GMPFLD,GMPORIG  ; Set GMPFLD() and GMPORIG() Arrays  D GETFLDS^GMPLEDT3(GMPIFN)  I '$D(GMPFLD) W !!,"ERROR -- Cannot continue.",! S VALMBCK="Q" G KILL INIT ; Build list from GMPFLD()  N LCNT,TEXT,I,SP,LINE,STR,NUM,NOTE,ICD  S LCNT=1,ICD=$S($D(^XUSEC("GMPL ICD CODE",DUZ)):1,1:0) **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.2 Add CLV to Problem List numbers**  S SP="" F I=1.11,1.12,1.13,1.15,1.16,1.17,1.18**,1.19** S:GMPFLD(I) SP=SP\_$P(GMPFLD(I),U,2)\_U  S:$L(SP) SP=$E(SP,1,$L(SP)-1)  K GMPSAVED,GMPREBLD D CLEAN^VALM10  D WRAP^GMPLX($P(GMPFLD(.05),U,2),65,.TEXT)  ; Line 1  S LINE="1 Problem: "\_TEXT(1)  S ^TMP("GMPLEDIT",$J,LCNT,0)=LINE D HI(LCNT,1)  I $D(GMPLUSER),GMPARAM("VER"),GMPFLD(1.02)="T" S LINE=$E(LINE,1,12)\_"$"\_$E(LINE,14,79),^TMP("GMPLEDIT",$J,LCNT,0)=LINE D HI(LCNT,13)  I TEXT>1 F I=2:1:TEXT S LCNT=LCNT+1,^TMP("GMPLEDIT",$J,LCNT,0)=" "\_TEXT(I)  S LCNT=LCNT+1,^TMP("GMPLEDIT",$J,LCNT,0)=" " IN1 ; Line 2  S LINE="2 Onset: ",STR=$P(GMPFLD(.13),U,2)  S LINE=LINE\_$S(STR="":"unknown",1:STR),LCNT=LCNT+1  I GMPVA S STR=$S(ICD:7,1:6)\_" SC Condition: "\_$S(GMPFLD(1.1)="":"unknown",1:$P(GMPFLD(1.1),U,2)),LINE=$$SETSTR^VALM1(STR,LINE,45,34)  S ^TMP("GMPLEDIT",$J,LCNT,0)=LINE F I=1,45 D HI(LCNT,I) IN2 ; Line 3  S LINE="3 Status: "\_$P(GMPFLD(.12),U,2),LCNT=LCNT+1  I $E(GMPFLD(.12))="A",$L(GMPFLD(1.14)) S LINE=LINE\_"/"\_$P(GMPFLD(1.14),U,2)  I $E(GMPFLD(.12))="I",GMPFLD(1.07) S LINE=LINE\_", Resolved "\_$P(GMPFLD(1.07),U,2)  I GMPVA S STR=$S(ICD:8,1:7)\_" Exposure: "\_$S('$L(SP):"<None>",1:$P(SP,U)),LINE=$$SETSTR^VALM1(STR,LINE,45,34)  S ^TMP("GMPLEDIT",$J,LCNT,0)=LINE F I=1,45 D HI(LCNT,I) IN3 ; Line 4  S LINE="4 Provider: "\_$P(GMPFLD(1.05),U,2),LCNT=LCNT+1  I GMPVA,$L(SP,U)>1 S STR=$P(SP,U,2),LINE=$$SETSTR^VALM1(STR,LINE,60,20)  S ^TMP("GMPLEDIT",$J,LCNT,0)=LINE D HI(LCNT,1)  ; Line 5  I $E(GMPLVIEW("VIEW"))="S" S LINE="5 Service: "\_$P(GMPFLD(1.06),U,2)  E  S LINE="5 Clinic: "\_$P(GMPFLD(1.08),U,2)  I GMPVA,$L(SP,U)>2 S STR=$P(SP,U,3),LINE=$$SETSTR^VALM1(STR,LINE,60,20)  S LCNT=LCNT+1,^TMP("GMPLEDIT",$J,LCNT,0)=LINE D HI(LCNT,1) G:'ICD IN4 |

Table : GMPLEDT1 Routines

| Routines | Activities | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Routine Name | GMPLEDT1 | | | | | | | | | | |
| Enhancement Category | New | | | Modify | Delete | | | No Change | | | |
| RTM | 2.6.18.2, 2.6.18.6 | | | | | | | | | | |
| Related Options | GMPL DATA ENTRY, GMPL CLINICAL USER | | | | | | | | | | |
| Related Routines | | Routines “Called By” | | | | | Routines “Called” | | | |
|  | | ADD2^GMPL1  ADD3^GMPL1  NEWNOTE^GMPL1 | | | | | ^DIC  ^DIR  DATE^GMPLEDT2  NPERSON^GMPLEDT2  SPEXP^GMPLEDT2  JUMP^GMPLEDT3  EDNOTE^GMPLEDT4  PRIORITY^GMPLEDT4  RESOLVED^GMPLEDT4  TERM^GMPLEDT4  $$EXTDT^GMPLX  $$SURE^GMPLX  DIS^SDROUT2 | | | |
| Routines | | Activities | | | | | | | | |
| Data Dictionary (DD) References | | None | | | | | | | | |
| Related Protocols | | GMPL NEW PROBLEM | | | | | | | | |
| Related Integration Control Registrations (ICRs) | | None | | | | | | | | |
| Data Passing | | Input | Output Reference | | | Both | | | Global Reference | Local |
| Input Attribute Name and Definition | | N/A (comment code for CL-V only) | | | | | | | | |
| Output Attribute Name and Definition | | N/A (comment code for CL-V only) | | | | | | | | |
| **Current Logic** | | | | | | | | | | |

GMPLEDT1 ; SLC/MKB/KER/AJB/TC -- Edit Problem List fields ;08/27/14 07:57  
 ;;2.0;Problem List;\*\*17,20,26,28,35,42,45\*\*;Aug 25, 1994;Build 53

…………………..

SP ; Edit Exposures/Conditions  
 ; Agent Orange - field 1.11  
 ; Ionizing Radiation - field 1.12  
 ; Persian Gulf/Environmental Contaminants - field 1.13  
 ; Head and/or Neck Cancer - field 1.15  
 ; Military Sexual Trauma - field 1.16  
 ; Combat Vet - field 1.17  
 ; SHAD - field 1.18

| Modified Logic (Changes are in bold) |
| --- |
| GMPLEDT1 ; SLC/MKB/KER/AJB/TC -- Edit Problem List fields ;08/27/14 07:57  ;;2.0;Problem List;\*\*17,20,26,28,35,42,45**,48**\*\*;Aug 25, 1994;Build 17  ………………………  **; RBD ref# 2.6.18.2, 2.6.18.6 GMPL\*2\*48 Add Camp Lejeune to legend** SP ; Edit Exposures/Conditions  ; Agent Orange - field 1.11  ; Ionizing Radiation - field 1.12  ; Persian Gulf/Environmental Contaminants - field 1.13  ; Head and/or Neck Cancer - field 1.15  ; Military Sexual Trauma - field 1.16  ; Combat Vet - field 1.17  ; SHAD - field 1.18 **; Camp Lejeune - field 1.19** |

Table : GMPLEDT2 Routines

| **Routines** | Activities | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Routine Name** | GMPLEDT2 | | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | | No Change | | |
| **RTM** | 2.6.18.2, 2.6.18.5, 2.6.18.6, 2.6.18.7, 2.6.18.7.1, 2.6.18.7.2, 2.6.18.7.3, 2.6.18.7.3.1, 2.6.18.7.4 | | | | | | | | |
| **Related Options** | GMPL CLINICAL USER, GMPL DATA ENTRY | | | | | | | | |
| Related Routines | Routines “Called By” | | | | | Routines “Called” | | | |
|  | DELETE^GMPL  EXIT^GMPLEDIT  O1^GMPLEDT1  RC1^GMPLEDT1  SP^GMPLEDT1  AUTHOR^GMPLEDT1  PROV^GMPLEDT1  T1^GMPLEDT4  R1^GMPLEDT4  NPRV^GMPLMGR1  NPRV^VEJDWPB7 | | | | | ^%DT  ^DIC  ^DIR  JUMP^GMPLEDT3  $$SURE^GMPLX  AUDIT^GMPLX  DTMOD^GMPLX  $$HTFM^XLFDT  $$UP^XLFSTR | | | |
| Routines | Activities | | | | | | | | |
| **Data Dictionary (DD) References** | ^AUPNPROB(  ^VA(200 | | | | | | | | |
| **Related Protocols** | Edit a Problem | | | | | | | | |
| **Related Integration Control Registrations (ICRs)** | N/A | | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | | Global Reference | Local |
| **Input Attribute Name and Definition** | GMPCLV – 1 if Camp Lejeune question should be asked  GMPLN – Prompt containing ‘Camp Lejeune water contaminant’  FLD – 1.19 if processing Camp Lejeune prompt | | | | | | | | |
| **Output Attribute Name and Definition** | N/A | | | | | | | | |
| Current Logic | | | | | | | | | |

GMPLEDT2 ; SLC/MKB/KER -- Problem List edit actions ; 04/15/2002  
 ;;2.0;Problem List;\*\*26,35\*\*;Aug 25, 1994;Build 26

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SPEXP ; Edit Fields 1.11, 1.12, 1.13, 1.15, 1.16, 1.17, 1.18

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D:GMPSHD SP(1.18,"Shipboard Hazard and Defense") Q:$D(GMPQUIT)!($G(GMPLJUMP))  
 S:$G(GMPFLD(1.18)) $P(GMPFLD(1.18),U,2)="SHAD"  
 Q  
SP(FLD,NAME) ; edit exposure fields -- Requires FLD number & field NAME  
 N DIR,X,Y,GMPLN S DIR(0)="YAO",GMPLN=$$UP^XLFSTR(NAME)  
 S DIR("A")="Is this problem related to "\_GMPLN

| Modified Logic (Changes are in bold) |
| --- |
| GMPLEDT2 ; SLC/MKB/KER -- Problem List edit actions ; 04/15/2002  ;;2.0;Problem List;\*\*26,35**,48**\*\*;Aug 25, 1994;Build 17  ……………………..  SPEXP ; Edit Fields 1.11, 1.12, 1.13, 1.15, 1.16, 1.17, 1.18**, 1.19 ; tgh GMPL\*2.0\*48**  ……………………….  D:GMPSHD SP(1.18,"Shipboard Hazard and Defense") Q:$D(GMPQUIT)!($G(GMPLJUMP))  S:$G(GMPFLD(1.18)) $P(GMPFLD(1.18),U,2)="SHAD"  **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.2 If CLV data set up Camp Lejeune Array element  D:GMPCLV SP(1.19,"Camp Lejeune") Q:$D(GMPQUIT)!($G(GMPLJUMP))  S:$G(GMPFLD(1.19)) $P(GMPFLD(1.19),U,2)="CAMP LEJEUNE"**  Q SP(FLD,NAME) ; edit exposure fields -- Requires FLD number & field NAME  N DIR,X,Y,GMPLN S DIR(0)="YAO",GMPLN=$$UP^XLFSTR(NAME) **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.2, RSD SPEC #2,6.18.5, RSD SPEC #2,6.18.6, RSD SPEC #2,6.18.7 Add Water Contaminants if CLV  I FLD=1.19 S GMPLN=GMPLN\_" WATER CONTAMINANT",NAME=NAME\_" water contaminants"**  S DIR("A")="Is this problem related to "\_GMPLN |

Table : GMPLEDT3 Routines

| Routines | Activities | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Routine Name** | GMPLEDT3 | | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | | No Change | | |
| **RTM** | 2.6.18.2, 2.6.18.3, 2.6.18.3.1, 2.6.18.4 | | | | | | | | |
| **Related Options** | GMPL CLINICAL USER, GMPL DATA ENTRY | | | | | | | | |
| Related Routines | Routines “Called By” | | | | | Routines “Called” | | | |
|  | ADD2^GMPL1  EN^GMPLEDIT  IN5^GMPLEDIT  HELP^GMPLEDIT  ST1^GMPLEDT1  SC1^GMPLEDT1  ICD1^GMPLEDT1  NP^GMPLEDT2  D1^GMPLEDT2  SP1^GMPLEDT2  T1^GMPLEDT4  ED1^GMPLEDT4  PR1^GMPLEDT4  UPDATE^GMPLUTL  EDLOAD^ORQQPL1  LOAD^RORUPD07  PROBLEM^RORX013A  ICD^RORXU010  UPDATE^VEJDWPB8 | | | | | EN^DIQ1  ^DIR  $$EXTDT^GMPLX  $$CODECS^ICDEX  $$UP^XLFST | | | |
| Routines | Activities | | | | | | | | |
| **Data Dictionary (DD) References** | ^AUPNPROB(  ^ORD(101  ^XUSEC("GMPL ICD CODE" | | | | | | | | |
| **Related Protocols** | Edit a Problem, Add New Problems | | | | | | | | |
| **Related Integration Control Registrations (ICRs)** | ICR #2977 – Name: Calls to GMPLEDT3 | | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | | Global Reference | Local |
| **Input Attribute Name and Definition** | DA – IEN into ^AUPNPROB File # 9000011 | | | | | | | | |
| **Output Attribute Name and Definition** | GMPORIG(1.19) – Camp Lejeune 1 or 0^”CAMP LEJEUNE”  GMPFLD(1.19) – Camp Lejeune 1 or 0^”CAMP LEJEUNE” | | | | | | | | |

| Current Logic |
| --- |

GMPLEDT3 ; ISL/MKB,KER,JER,TC -- Problem List edit utilities ;08/07/14 13:28  
 ;;2.0;Problem List;\*\*26,35,36,42,45\*\*;Aug 25, 1994;Build 53

…………………

GETFLDS(DA) ; Define GMPFLD(#) and GMPORIG(#) Arrays with Current Values  
 N DIC,DIQ,DR,I,GMPL,CNT,NIFN,FAC,EXT  
 S DIC="^AUPNPROB(",DIQ="GMPL",DIQ(0)="IE" S DR=".01;.03;.05;.08:1.02;1.05:**1.19**;80001:80005;80201;80202" D EN^DIQ1

F I=.01,.03,.05,.08,.12,.13,1.01,1.02,1.05,1.06,1.07,1.08,1.09,1.1,1.11,1.12,1.13,1.14,1.15,1.16,1.17,1.18,80001,80002,80003,80004,80005,80201,80202 D  
 . S GMPORIG(I)=$G(GMPL(9000011,DA,I,"I")),EXT=""  
 . I I=1.01,GMPL(9000011,DA,I,"I")'>1 S GMPORIG(I)="" Q  
 . Q:(GMPORIG(I)="")!(I=1.02)

…………....................

 . I "^1.15^1.16^1.17^1.18^"[(U\_I\_U) S EXT=$S(I=1.15:"HEAD/NECK CANCER",I=1.16:"MIL SEXUAL TRAUMA",I=1.17:"COMBAT VET",1:"SHAD")

………………………..

S:GMPSHD GMPFLD("FLD",7)="SP",GMPFLD("FLD","IS THIS PROBLEM RELATED TO REPORTED SHIPBOARD HAZARD AND DEFENSE?")=7

| Modified Logic (Changes are in bold) |
| --- |
| GMPLEDT3 ; ISL/MKB,KER,JER,TC -- Problem List edit utilities ;08/07/14 13:28  ;;2.0;Problem List;\*\*26,35,36,42,45**,48**\*\*;Aug 25, 1994;Build 17  ……………………  GETFLDS(DA) ; Define GMPFLD(#) and GMPORIG(#) Arrays with Current Values  N DIC,DIQ,DR,I,GMPL,CNT,NIFN,FAC,EXT  S DIC="^AUPNPROB(",DIQ="GMPL",DIQ(0)="IE" **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.1 and #2.6.18.2 Add CLV Number to Problem List Display**  S DR=".01;.03;.05;.08:1.02;1.05:**1.19**;80001:80005;80201;80202" D EN^DIQ1 **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.1 and #2.6.18.2 Add CLV Number to Problem List Display Array**   F I=.01,.03,.05,.08,.12,.13,1.01,1.02,1.05,1.06,1.07,1.08,1.09,1.1,1.11,1.12,1.13,1.14,1.15,1.16,1.17,1.18**,1.19**,80001,80002,80003,80004,80005,80201,80202 D  . S GMPORIG(I)=$G(GMPL(9000011,DA,I,"I")),EXT=""  . I I=1.01,GMPL(9000011,DA,I,"I")'>1 S GMPORIG(I)="" Q  . Q:(GMPORIG(I)="")!(I=1.02) ………………………………….  **. ; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.1  and #2.6.18.2 Add CLV Number to Problem List Display Name**  . I "^1.15^1.16^1.17^1.18**^1.19**^"[(U\_I\_U) S EXT=$S(I=1.15:"HEAD/NECK CANCER",I=1.16:"MIL SEXUAL TRAUMA",I=1.17:"COMBAT VET",**I=1.18:"SHAD",I=1.19:"CAMP LEJEUNE",1**:"") …………………………………….  S:GMPSHD GMPFLD("FLD",7)="SP",GMPFLD("FLD","IS THIS PROBLEM RELATED TO REPORTED SHIPBOARD HAZARD AND DEFENSE?")=7  **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.1  and #2.6.18.2 Add CLV Validate Question to Problem List Display Array  S:GMPCLV GMPFLD("FLD",7)="SP",GMPFLD("FLD","IS THIS PROBLEM RELATED TO REPORTED CAMP LEJEUNE?")=7** |

Table : GMPLENFM Routines

| Routines | Activities | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Routine Name** | GMPLENFM | | | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | | No Change | | | |
| **RTM** | 2.6.18.1, 2.6.18.1.1, 2.6.18.1.2, 2.6.18.1.2.1, 2.6.18.1.2.2 | | | | | | | | | |
| **Related Options** | N/A | | | | | | | | | |
| Related Routines | Routines “Called By” | | | | | Routines “Called” | | | |
|  | ACTPROB^ORWPCE  DQSAVE^ORWPCE1 | | | | | ^DIC  GETPLIST^GMPLMGR1  $$EXTDT^GMPLX  $$PROBTEXT^GMPLX $$CODECS^ICDEX $$CSI^ICDEX  $$SAB^ICDEX $$ICDDATA^ICDXCODE  $$STATCHK^ICDXCODE  CONFIG^LEXSET  $$STATCHK^LEXSRC2  $$DT^XLFDT | | | |
| Routines | Activities | | | | | | | | |
| **Data Dictionary (DD) References** | ^AUPNPROB(  ^GMPL(125.99  ^TMP("IB" | | | | | | | | |
| **Related Protocols** | N/A | | | | | | | | |
| **Related Integration Control Registrations (ICRs)** | ICRs 354 & 1365 | | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | | Global Reference | Local |
| **Input Attribute Name and Definition** | GMPL1 = Node 1 of file 9000011 entry | | | | | | | | |
| **Output Attribute Name and Definition** | NXTTF = L^Camp Lejeune when uparrow piece 19 of GMPL1 is 1 | | | | | | | | |
| Current Logic | | | | | | | | | |

GMPLENFM ; SLC/MKB/KER/TC -- Problem List Enc Form utilities ;06/12/13 09:08  
 ;;2.0;Problem List;\*\*3,4,7,26,35,36,42\*\*;Aug 25, 1994;Build 46

…..

ACTIVE ; List of Active Problems for DFN

…..

; 5: Y/N/"" serv-conn/not sc/unknown  
 ; 6: A/I/E/H/M/C/S/"" If problem is flagged as:  
 ; A - Agent Orange  
 ; I - Ionizing Radiation  
 ; E - Environmental Contaminants  
 ; H - Head/Neck Cancer  
 ; M - Mil Sexual Trauma  
 ; C - Combat Vet  
 ; S - SHAD

…..

DSELECT ; List of Active Problems for DFN

…..

; 6: Y/N/"" serv-conn/not sc/unknown  
 ; 7: A/I/E/H/M/C/S/"" If problem is flagged as:  
 ; A - Agent Orange  
 ; I - Ionizing Radiation  
 ; E - Environmental Contaminants  
 ; H - Head/Neck Cancer  
 ; M - Mil Sexual Trauma  
 ; C - Combat Vet  
 ; S - SHAD

…..

TXFCTR(GMPL1) ;Determine Treatment Factor, if any  
 N NXTTF,TXFACTOR  
 S TXFACTOR="^"

 F NXTTF=11,12,13,15,16,17,18 I $P(GMPL1,U,NXTTF) S TXFACTOR=$P("A^Agent Orange;I^Ionizing Radiation;E^Env. Contaminants;;H^Head/Neck Cancer;M^Mil Sexual Trauma;C^Combat Vet;S^SHAD",";",NXTTF-10) Q  
 Q TXFACTOR

| Modified Logic (Changes are in bold) |
| --- |
| GMPLENFM ; SLC/MKB/KER/TC -- Problem List Enc Form utilities ;06/12/13 09:08  ;;2.0;Problem List;\*\*3,4,7,26,35,36,42**,48**\*\*;Aug 25, 1994;Build 17  …..  ACTIVE ; List of Active Problems for DFN  …..  ; 5: Y/N/"" serv-conn/not sc/unknown  ; 6: A/I/E/H/M/C/S/**L/**"" If problem is flagged as: **; tgh GMPL\*2.0\*48**  ; A - Agent Orange  ; I - Ionizing Radiation  ; E - Environmental Contaminants  ; H - Head/Neck Cancer  ; M - Mil Sexual Trauma  ; C - Combat Vet  ; S - SHAD **; L - Camp Lejeune ; tgh GMPL\*2.0\*48**  …..  DSELECT ; List of Active Problems for DFN  …..  ; 6: Y/N/"" serv-conn/not sc/unknown  ; 7: A/I/E/H/M/C/S/**L/**"" If problem is flagged as: **; tgh GMPL\*2.0\*48**  ; A - Agent Orange  ; I - Ionizing Radiation  ; E - Environmental Contaminants  ; H - Head/Neck Cancer  ; M - Mil Sexual Trauma  ; C - Combat Vet  ; S - SHAD  **; L - Camp Lejeune ; tgh GMPL\*2.0\*48**  …..  TXFCTR(GMPL1) ;Determine Treatment Factor, if any  N NXTTF,TXFACTOR  S TXFACTOR="^" **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.1 Add CLV Name to Problem List Factors if set**  F NXTTF=11,12,13,15,16,17,18**,19** I $P(GMPL1,U,NXTTF) S TXFACTOR=$P("A^Agent Orange;I^Ionizing Radiation;E^Env. Contaminants;;H^Head/Neck Cancer;M^Mil Sexual Trauma;C^Combat Vet;S^SHAD**;L^Camp Lejeune**",";",NXTTF-10) Q  Q TXFACTOR |

Table : GMPLHIST Routines

| Routines | Activities | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Routine Name** | GMPLHIST | | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | | No Change | | |
| **RTM** | 2.6.18.4, 2.6.18.8 | | | | | | | | |
| **Related Options** | GMPL CLINICAL USER | | | | | | | | |
| Related Routines | Routines “Called By” | | | | | Routines “Called” | | | |
|  | PR4^GMPLDISP  HIST^ORQQPL2  HIST^VEJDWPB5 | | | | | $$EXTDT^GMPLX  $$PAD^GMPLX  $$CSI^ICDEX  $$ICDDATA^ICDXCODE | | | |
| Routines | Activities | | | | | | | | |
| **Data Dictionary (DD) References** | ^GMPL(125.8  ^VA(200 | | | | | | | | |
| **Related Protocols** | Detailed Display | | | | | | | | |
| **Related Integration Control Registrations (ICRs)** | N/A | | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | | Global Reference | Local |
| **Input Attribute Name and Definition** | FLD = 1.19 | | | | | | | | |
| **Output Attribute Name and Definition** | FLD = 1.19^CAMP LEJEUNE after call to FLDNAME API | | | | | | | | |
| Current Logic | | | | | | | | | |

GMPLHIST ; SLC/MKB/KER/TC -- Problem List Historical data ;02/26/15 09:09  
 ;;2.0;Problem List;\*\*7,26,31,35,36,42,46,45\*\*;Aug 25, 1994;Build 53

…..

DT ; Add historical data (audit trail) to DT list

…..

 I (+FLD>1.09)&(+FLD<=1.18) S GMPDT(LCNT,0)=$J("from ",17)\_$S(+OLD:"YES",OLD=0:"NO",1:"UNKNOWN")\_" to "\_$S(+NEW:"YES",NEW=0:"NO",1:"UNKNOWN") Q

…..

ALP(X) ; Alpha Field Names

…..

  S X(1.14)="IMMEDIACY",X(1.15)="HEAD/NECK CANCER",X(1.16)="MIL SEXUAL TRAUMA",X(1.17)="COMBAT VET",X(1.18)="SHAD"

…..

NUM(X) ; Numeric Field Designations  
 N FN F FN=.01:.01:.08 S X(+FN)=+FN  
 F FN=.12:.01:.13 S X(+FN)=+FN  
  F FN=1.01:.01:1.18 S X(+FN)=+FN

| Modified Logic (Changes are in bold) |
| --- |
| GMPLHIST ; SLC/MKB/KER/TC -- Problem List Historical data ;02/26/15 09:09  ;;2.0;Problem List;\*\*7,26,31,35,36,42,46,45**,48**\*\*;Aug 25, 1994;Build 17  …..  DT ; Add historical data (audit trail) to DT list  …..  **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.4, 2.6.18.8 Add Camp Lejeune to Historical Change**  I (+FLD>1.09)&(+FLD<=**1.19**) S GMPDT(LCNT,0)=$J("from ",17)\_$S(+OLD:"YES",OLD=0:"NO",1:"UNKNOWN")\_" to "\_$S(+NEW:"YES",NEW=0:"NO",1:"UNKNOWN") Q  …..  ALP(X) ; Alpha Field Names  …..  **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.4, 2.6.18.8 Add CLV Name to Field Name Array**  S X(1.14)="IMMEDIACY",X(1.15)="HEAD/NECK CANCER",X(1.16)="MIL SEXUAL TRAUMA",X(1.17)="COMBAT VET",X(1.18)="SHAD"**,X(1.19)="CAMP LEJEUNE"**  …..  NUM(X) ; Numeric Field Designations  N FN F FN=.01:.01:.08 S X(+FN)=+FN  F FN=.12:.01:.13 S X(+FN)=+FN  **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.4, 2.6.18.8 Add CLV Number to Field Array**  F FN=1.01:.01:**1.19** S X(+FN)=+FN |

Table : GMPLHS Routines

| Routines | Activities | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Routine Name** | GMPLHS | | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | | No Change | | |
| **RTM** | 2.6.18.1, 2.6.18.1.1, 2.6.18.1.2, 2.6.18.1.2.1, 2.6.18.1.2.2 | | | | | | | | |
| **Related Options** | N/A | | | | | | | | |
| Related Routines | Routines “Called By” | | | | | Routines “Called” | | | |
|  | MAIN^GMPLHSPL  KILL^GMPLHSPL  MAIN^GMTSPLST  PLALL^ORDV04  PLI^ORDV04  PLA^ORDV04 | | | | | EN^DIQ  GETPLIST^GMPLMGR1  $$ICDDESC^GMPLUTL2  $$SCTTEXT^GMPLUTL2  DETAIL^GMPLUTL2  SCS^GMPLX1  $$CSI^ICDEX  $$SAB^ICDEX | | | |
| Routines | Activities | | | | | | | | |
| **Data Dictionary (DD) References** | ^AUPNPROB(  ^DIC(49  ^GMPL(125.99  ^TMP("GMPLHS"  ^VA(200 | | | | | | | | |
| **Related Protocols** | N/A | | | | | | | | |
| **Related Integration Control Registrations (ICRs)** | ICR 1183 | | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | | Global Reference | Local |
| **Input Attribute Name and Definition** | DR string has 1.19 appended to it to process Camp Lejeune | | | | | | | | |
| **Output Attribute Name and Definition** | CLV = 1 or 0 which is Internal value in Field 1.19 of File 9000011 | | | | | | | | |
| Current Logic | | | | | | | | | |

GMPLHS ; SLC/MKB/KER/TC - Extract Prob List Health Summary ;11/27/12 09:17  
 ;;2.0;Problem List;\*\*22,26,35,36,42\*\*;Aug 25, 1994;Build 46

…..

GETPROB(IFN) ; Get problem data and set it to ^TMP array

…..

; 13: Problem Term (from Lexicon)  
 ; 14: Exposure String (AO/IR/EC/HNC/MST/CV/SHD)

…..

N DIC,DIQ,DR,DA,REC,DIAG,LASTMDT,NARR,SITE,ENTDT,STAT,ONSETDT,RPROV,T,VHATC,VHATT,DTINT,CSYS  
 N SERV,SERVABB,RESDT,CLIN,RECDT,LEXI,LEX,PG,AO,EXP,HNC,MST,CV,SHD,IR,SCS,SCTC,SCTT,ICD,ICDD,GMPL  
 S DIC=9000011,DA=IFN,DIQ="REC(",DIQ(0)="IE"  
  S DR=".01;.03;.05;.06;.08;.12;.13;1.01;1.05;1.06;1.07;1.08;1.09;1.11;1.12;1.13;1.15;1.16;1.17;1.18;80001;80003;80201;80202"  
 D EN^DIQ1  
…..

S SHD=+REC(9000011,DA,1.18,"I")

| Modified Logic (Changes are in bold) |
| --- |
| GMPLHS ; SLC/MKB/KER/TC - Extract Prob List Health Summary ;11/27/12 09:17  ;;2.0;Problem List;\*\*22,26,35,36,42**,48**\*\*;Aug 25, 1994;Build 17  …..  GETPROB(IFN) ; Get problem data and set it to ^TMP array  …..  ; 13: Problem Term (from Lexicon)  ; 14: Exposure String (AO/IR/EC/HNC/MST/CV/SHD**/CLV**) **; tgh GMPL\*2.0\*48**  …..  N DIC,DIQ,DR,DA,REC,DIAG,LASTMDT,NARR,SITE,ENTDT,STAT,ONSETDT,RPROV,T,VHATC,VHATT,DTINT,CSYS  **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.2 Add New of Problem List Number for Camp Lejeune**  N SERV,SERVABB,RESDT,CLIN,RECDT,LEXI,LEX,PG,AO,EXP,HNC,MST,CV,SHD,**CLV,**IR,SCS,SCTC,SCTT,ICD,ICDD,GMPL  S DIC=9000011,DA=IFN,DIQ="REC(",DIQ(0)="IE"  **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.2 Add Problem List Number for Camp Lejeune**  S DR=".01;.03;.05;.06;.08;.12;.13;1.01;1.05;1.06;1.07;1.08;1.09;1.11;1.12;1.13;1.15;1.16;1.17;1.18**;1.19**;80001;80003;80201;80202"  D EN^DIQ1 …..  S SHD=+REC(9000011,DA,1.18,"I") **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.2 Add Problem List CLV variable for Camp Lejeune  S CLV=+REC(9000011,DA,1.19,"I")** |

Table : GMPLMGR2 Routines

| Routines | Activities | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Routine Name** | GMPLMGR2 | | | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | | No Change | | | |
| **RTM** | 2.6.18.2, 2.6.18.3.1 | | | | | | | | | |
| **Related Options** | GMPL DATA ENTRY | | | | | | | | | |
| Related Routines | Routines “Called By” | | | | | Routines “Called” | | | |
|  | BUILD^GMPLMGR  NEWPAT^GMPLMGR1  NEWPAT^VEJDWPB7 | | | | | ^DIR  BUILD^GMPLMGR  HDR^GMPLMGR  GETPLIST^GMPLMGR1  DEVICE^GMPLPRNT  PRT^GMPLPRNT  VAF^GMPLPRNT  $$CODESTS^GMPLX  $$EXTDT^GMPLX  $$MSG^GMPLX  $$PROBTEXT^GMPLX  KILL^GMPLX  WRAP^GMPLX  $$NAME^GMPLX1  $$VIEW^GMPLX1  $$CSI^ICDEX  $$SAB^ICDEX  $$ICDDATA^ICDXCODE  $$SETFLD^VALM1  CLEAR^VALM1  EN^XQORM | | | |
| Routines | Activities | | | | | | | | |
| **Data Dictionary (DD) References** | ^AUPNPROB(  ^ORD(101  ^TMP("GMPL"  ^TMP("GMPLIDX" | | | | | | | | |
| **Related Protocols** | N/A | | | | | | | | |
| **Related Integration Control Registrations (ICRs)** | N/A | | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | | Global Reference | Local |
| **Input Attribute Name and Definition** | GMPL1 – Uparrow piece 19 would be 1 if CLV relates to Problem | | | | | | | | |
| **Output Attribute Name and Definition** | SP – Uparrow piece 6 will be 1 if CLV relates to Problem | | | | | | | | |
| Current Logic | | | | | | | | | |

GMPLMGR2 ; ISL/MKB,KER,AJB,TC - Problem List VALM Utilities cont ;11/27/12 08:33  
 ;;2.0;Problem List;\*\*26,28,36,42\*\*;Aug 25, 1994;Build 46

…..

BLDPROB(IFN) ; Build Line for Problem in List

…..

  S SC=$P(GMPL1,U,10),SP=$P(GMPL1,U,11,13)\_"^"\_$P(GMPL1,U,15,16),STATUS=$P(GMPL0,U,12)

….. I $L(SP) D  
  . S STR=$S(+$P(SP,U):"Agent Orange",+$P(SP,U,2):"Radiation",+$P(SP,U,3):"Contaminants",+$P(SP,U,4):"Head/Neck Cancer",+$P(SP,U,5):"Mil Sexual Trauma",1:"")

| Modified Logic (logic didn’t exist) |
| --- |
| GMPLMGR2 ; ISL/MKB,KER,AJB,TC - Problem List VALM Utilities cont ;11/27/12 08:33  ;;2.0;Problem List;\*\*26,28,36,42**,48**\*\*;Aug 25, 1994;Build 17  …..  BLDPROB(IFN) ; Build Line for Problem in List  …..  **; rbd GMPL\*2\*48 RSD SPEC #'s 2.6.18.2 & 2.6.18.3.1 Display Camp Lejeune exposure too.**  S SC=$P(GMPL1,U,10),SP=$P(GMPL1,U,11,13)\_"^"\_$P(GMPL1,U,15,16)**\_"^"\_$P(GMPL1,U,19)**,STATUS=$P(GMPL0,U,12)  …..  I $L(SP) D **. ; rbd GMPL\*2\*48 RSD SPEC #'s 2.6.18.2 & 2.6.18.3.1 Display Camp Lejeune exposure too.**  . S STR=$S(+$P(SP,U):"Agent Orange",+$P(SP,U,2):"Radiation",+$P(SP,U,3):"Contaminants",+$P(SP,U,4):"Head/Neck Cancer",+$P(SP,U,5):"Mil Sexual Trauma",**+$P(SP,U,6):"Camp Lejeune",**1:"") |

Table : GMPLSAVE Routines

| Routines | Activities | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Routine Name** | GMPLSAVE | | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | | No Change | | |
| **RTM** | 2.6.18.1, 2.6.18.1.3, 2.6.18.1.4, 2.6.18.2 | | | | | | | | |
| **Related Options** | GMPL CLINICAL USER, GMPL DATA ENTRY | | | | | | | | |
| Related Routines | Routines “Called By” | | | | | Routines “Called” | | | |
|  | ADD3^GMPL1  STATUS^GMPL1  NEWNOTE^GMPL1  DELETE^GMPL1  EX1^GMPLEDIT  CR1^GMPLUTL  UPDATE^GMPLUTL  REMOVE^GMPLUTL2  EDSAVE^ORQQPL1  ADDSAVE^ORQQPL1  DELETE^ORQQPL2  DELETE^VEJDWPB5  REMOVE^VEJDWPB6  CR1^VEJDWPB8  UPDATE^VEJDWPB8 | | | | | ^%DT  DD^%DT  ^DIE  FILE^DIE  UPDATE^DIE  ^DIK  IX1^DIK  $$GET1^DIQ  $$EXTDT^GMPLX  $$NOS^GMPLX  $$PROVNARR^GMPLX  AUDIT^GMPLX  DTMOD^GMPLX  $$WRAP^GMPLX1  $$CODEC^ICDEX  $$CODECS^ICDEX  $$CS^ICDEX  $$CSI^ICDEX  $$SAB^ICDEX  $$GETDES^LEXTRAN1  $$GETSYN^LEXTRAN1  $$IMPDATE^LEXU  $$SITE^VASITE  $$DT^XLFDT  $$FMTE^XLFDT  $$HTFM^XLFDT  $$NOW^XLFDT  KILL^XM  ^XMB  EN1^XQOR  USERINFO^XUSRB2 | | | |
| Routines | Activities | | | | | | | | |
| **Data Dictionary (DD) References** | ^AUPNPROB(  ^AUPNPROB("AA"  ^AUPNPROB("AC"  ^AUPNPROB("B"  ^AUPNPROB(0  ^ORD(101  ^VA(200 | | | | | | | | |
| **Related Protocols** | Add New Problems, Edit a Problem | | | | | | | | |
| **Related Integration Control Registrations (ICRs)** | N/A | | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | | Global Reference | Local |
| **Input Attribute Name and Definition** | GMPFLD(1.19) – 1 if Problem is Camp Lejeune related, 0 otherwise | | | | | | | | |
| **Output Attribute Name and Definition** | DATA – uparrow piece 19 will hold GMPFLD(1.19) value | | | | | | | | |
| Current Logic | | | | | | | | | |

GMPLSAVE ; ISL/MKB,KER,JER,TC -- Save Problem List data ;03/03/15 09:14  
 ;;2.0;Problem List;\*\*26,31,35,37,38,36,42,47,45\*\*;Aug 25, 1994;Build 53

……………….

 F FLD=.01,.05,.12,.13,1.01,1.05,1.06,1.07,1.08,1.09,1.1,1.11,1.12,1.13,1.14,1.15,1.16,1.17,1.18,80001,80002,80003,80004,80005,80201,80202 D

……………………….

 S DATA=$P(GMPFLD(1.01),U) F I=1.02:.01:1.18 S DATA=DATA\_U\_$S($P($G(GMPFLD(+I)),U)="@":"",1:$P($G(GMPFLD(+I)),U))

| Modified Logic (Changes are in bold) |
| --- |
| GMPLSAVE ; ISL/MKB,KER,JER,TC -- Save Problem List data ;03/03/15 09:14  ;;2.0;Problem List;\*\*26,31,35,37,38,36,42,47,45**,48**\*\*;Aug 25, 1994;Build 17  …………………….  **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.1 Add CLV Number to Problem List Saved Data if set**  F FLD=.01,.05,.12,.13,1.01,1.05,1.06,1.07,1.08,1.09,1.1,1.11,1.12,1.13,1.14,1.15,1.16,1.17,1.18**,1.19**,80001,80002,80003,80004,80005,80201,80202 D  ………………………….  **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.1 Add CLV Number to Problem List processing**  S DATA=$P(GMPFLD(1.01),U) F I=1.02:.01:**1.19** S DATA=DATA\_U\_$S($P($G(GMPFLD(+I)),U)="@":"",1:$P($G(GMPFLD(+I)),U)) |

Table : GMPLUTL: Routines

| Routines | Activities | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Routine Name** | GMPLUTL | | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | | No Change | | |
| **RTM** | 2.6.18.2 | | | | | | | | |
| **Related Options** | PCE Encounter Data Entry | | | | | | | | |
| Related Routines | Routines “Called By” | | | | | Routines “Called” | | | |
|  | CREATE^DSICPL  UPDATE^DSICPL  CLNSCTE^GMPLCLNP  SCTMAP^GMPLX1  DG1^MAGDHLS  ^ONCPL  INACT^ORCPROB  CMMT^ORCPROB  UPDATE^ORQQPL1  RUN^PXAIPL  PL^PXBGPL  LOOP^PXBPL  SEND^PXBPL  PROBLIST^PXCAPL1  PROBLIST^PXCAPL2  PROBLEM^RORUPD07  PROBLEM^RORX013A  ^RORXU010  ICD^RORXU010  MAIN^TIURP | | | | | GETFLDS^GMPLEDT3  GETPLIST^GMPLMGR1  EN^GMPLSAVE  NEW^GMPLSAVE  $$EXTDT^GMPLX  $$PROBTEXT^GMPLX  $$SERVICE^GMPLX1  VADPT^GMPLX1  $$CSI^ICDEX  $$SAB^ICDEX  $$ICDDATA^ICDXCODE  EN^LEXCODE  $$GETASSN^LEXTRAN1  $$IMPDATE^LEXU  $$DT^XLFDT | | | |
| Routines | Activities | | | | | | | | |
| **Data Dictionary (DD) References** | ^AUPNPROB(  ^DPT(  ^GMPL(125.99  ^VA(200 | | | | | | | | |
| **Related Protocols** | Check Out Interview | | | | | | | | |
| **Related Integration Control Registrations (ICRs)** | ICR 928 | | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | | Global Reference | Local |
| **Input Attribute Name and Definition** | I = 19 when processing Camp Lejeune piece of data  GMPI = “CLV” when calling CLV^GMPLUTL1  PL(“CLV”) = 1 when Problem relates to Camp Lejeune | | | | | | | | |
| **Output Attribute Name and Definition** | GMPL – uparrow piece 19 is “L” when Camp Lejeune  GMPL(CNT,5) = “CLV^CAMP LEJEUNE” when CLV related  GMPFLD(1.19) = 1 when Problem is CLV related.  ITEMS appended with “^CLV” for CLV Processing  FLD appended with “^1.19” for CLV Processing. | | | | | | | | |
| Current Logic | | | | | | | | | |

GMPLUTL ; SLC/MKB/KER/TC -- PL Utilities ;06/05/14 08:45  
 ;;2.0;Problem List;\*\*3,6,8,10,16,26,35,39,36,42\*\*;Aug 25, 1994;Build 46

…..

ACTIVE(GMPDFN,GMPL) ; Returns list of Active Problems for a Patient  
 ;

…..

 ; SHD^SHAD

…..

  . F I=11,12,13,15,16,17,18 S:$P(GMPL1,U,I) SP=$S(I=11:"A",I=12:"I",I=13:"P",I=15:"H",I=16:"M",I=17:"C",I=18:"S",1:"")  
  . S GMPL(CNT,5)=$S(SP="A":"AO^AGENT ORANGE",SP="I":"IR^RADIATION",SP="P":"EC^ENV CONTAMINANTS",SP="H":"HNC^HEAD AND/OR NECK CANCER",SP="M":"MST^MILIARY SEXUAL TRAUMA",SP="C":"CV^COMBAT VET",SP="S":"SHD^SHAD",1:"")  
 S GMPL(0)=CNT

…..

CREATE(PL,PLY) ; Creates a new problem  
 ;

…..

 ; PL("SHD") Shipboard Hazard & Defense 1=Yes 0=No

…..

  N GMPHNC,GMPMST,GMPCV,GMPSHD,DA,GMPDFN,GMPROV  
 K PLY S PLY=-1,PLY(0)=""  
 S GMPVAMC=+$G(DUZ(2)),GMPVA=$S($G(DUZ("AG"))="V":1,1:0)  
 I '$L($G(PL("NARRATIVE"))) S PLY(0)="Missing problem narrative" Q  
 I '$D(^DPT(+$G(PL("PATIENT")),0)) S PLY(0)="Invalid patient" Q  
 I '$D(^VA(200,+$G(PL("PROVIDER")),0)) S PLY(0)="Invalid provider" Q  
  S GMPDFN=+PL("PATIENT"),(GMPSC,GMPAGTOR,GMPION,GMPGULF,GMPHNC,GMPMST,GMPCV,GMPSHD)=0  
 S:'$L($G(PL("DX\_DATE\_OF\_INTEREST"))) PL("DX\_DATE\_OF\_INTEREST")=$$DT^XLFDT  
 D:GMPVA VADPT^GMPLX1(GMPDFN)  
 F GMPI="DIAGNOSI","LEXICON","DUPLICAT","LOCATION","STATUS" D @(GMPI\_"^GMPLUTL1") Q:$D(GMPQUIT)  
 Q:$D(GMPQUIT)  
  F GMPI="ONSET","RESOLVED","RECORDED","SC","AO","IR","EC","HNC","MST","CV","SHD" D @(GMPI\_"^GMPLUTL1") Q:$D(GMPQUIT)

…..

CR1 ; Ok to Create

…..

  S GMPFLD(1.17)=$G(PL("CV")),GMPFLD(1.18)=$G(PL("SHD"))  
 S GMPFLD(80201)=$G(PL("DX\_DATE\_OF\_INTEREST"))

…..

UPDATE(PL,PLY) ; Update a Problem/Create if Not Found  
 ;

…..

 ; PL("SHD") SHAD 1 = Yes 0 = No

…..

  N GMPSC,GMPAGTOR,GMPION,GMPGULF  
 S GMPVAMC=+$G(DUZ(2)),GMPVA=$S($G(DUZ("AG"))="V":1,1:0),PLY=-1,PLY(0)=""  
 S GMPIFN=$G(PL("PROBLEM")) I GMPIFN="" D CREATE(.PL,.PLY) Q  
 I '$D(^AUPNPROB(GMPIFN,0)) S PLY(0)="Invalid problem" Q  
 I '$D(^VA(200,+$G(PL("PROVIDER")),0)) S PLY(0)="Invalid provider" Q  
 S GMPROV=+$G(PL("PROVIDER")),GMPDFN=+$P(^AUPNPROB(GMPIFN,0),U,2)  
 D GETFLDS^GMPLEDT3(GMPIFN) I '$D(GMPFLD) S PLY(0)="Invalid problem" Q  
 I +$G(PL("PATIENT")),+PL("PATIENT")'=GMPDFN S PLY(0)="Patient does not match for this problem" Q  
 I $L($G(PL("RECORDED"))) S PLY(0)="Date Recorded is not editable" Q  
  S (GMPSC,GMPAGTOR,GMPION,GMPGULF)=0 D:GMPVA VADPT^GMPLX1(GMPDFN)  
 S:'$L($G(PL("DX\_DATE\_OF\_INTEREST"))) PL("DX\_DATE\_OF\_INTEREST")=$$DT^XLFDT  
 I '$L($G(PL("CODESYS"))),$L($G(PL("DIAGNOSIS"))) D  
 . S PL("CODESYS")=$$SAB^ICDEX($$CSI^ICDEX(80,+PL("DIAGNOSIS")),PL("DX\_DATE\_OF\_INTEREST"))  
  S ITEMS="LEXICON^DIAGNOSIS^LOCATION^STATUS^ONSET^RESOLVED^SC^AO^IR^EC^HNC^MST^CV^SHD,FLD="1.01^.01^1.08^.12^.13^1.07^1.1^1.11^1.12^1.13^1.15^1.16^1.17^1.18"

| Modified Logic (Changes are in bold) |
| --- |
| GMPLUTL ; SLC/MKB/KER/TC -- PL Utilities ;06/05/14 08:45  ;;2.0;Problem List;\*\*3,6,8,10,16,26,35,39,36,42,40**,48**\*\*;Aug 25, 1994;Build 17  …..  ACTIVE(GMPDFN,GMPL) ; Returns list of Active Problems for a Patient  ;  …..   ; SHD^SHAD **; CLV^Camp Lejeune**  …..  **. ; djs GMPL\*2.0\*48 RSD SPEC #2.6.18 Set GMPL1 array value to "L" if Camp Lejeune**  . F I=11,12,13,15,16,17,18**,19** S:$P(GMPL1,U,I) SP=$S(I=11:"A",I=12:"I",I=13:"P",I=15:"H",I=16:"M",I=17:"C",I=18:"S",**I=19:"L",**1:"") **. ; djs GMPL\*2.0\*48 RSD SPEC #2.6.18 Set GMPL array value to Camp Lejeune if SP="L"**   . S GMPL(CNT,5)=$S(SP="A":"AO^AGENT ORANGE",SP="I":"IR^RADIATION",SP="P":"EC^ENV CONTAMINANTS",SP="H":"HNC^HEAD AND/OR NECK CANCER",SP="M":"MST^MILIARY SEXUAL TRAUMA",SP="C":"CV^COMBAT VET",SP="S":"SHD^SHAD",**SP="L":"CLV^CAMP LEJEUNE",**1:"")  S GMPL(0)=CNT  …..  CREATE(PL,PLY) ; Creates a new problem  ;  …..   ; PL("SHD") Shipboard Hazard & Defense 1=Yes 0=No **; PL("CLV") Camp Lejeune 1 = Yes 0 = No ; djs GMPL\*2.0\*48**  …..  **; djs GMPL\*2.0\*48 RSD SPEC #2.6.18 Add Camp Lejeune variable**  N GMPHNC,GMPMST,GMPCV,GMPSHD,**GMPCLV,**DA,GMPDFN,GMPROV  K PLY S PLY=-1,PLY(0)=""  S GMPVAMC=+$G(DUZ(2)),GMPVA=$S($G(DUZ("AG"))="V":1,1:0)  I '$L($G(PL("NARRATIVE"))) S PLY(0)="Missing problem narrative" Q  I '$D(^DPT(+$G(PL("PATIENT")),0)) S PLY(0)="Invalid patient" Q  I '$D(^VA(200,+$G(PL("PROVIDER")),0)) S PLY(0)="Invalid provider" Q **; djs GMPL\*2.0\*48 RSD SPEC #2.6.18 Initialize Camp Lejeune variable**  S GMPDFN=+PL("PATIENT"),(GMPSC,GMPAGTOR,GMPION,GMPGULF,GMPHNC,GMPMST,GMPCV,GMPSHD**,GMPCLV**)=0  S:'$L($G(PL("DX\_DATE\_OF\_INTEREST"))) PL("DX\_DATE\_OF\_INTEREST")=$$DT^XLFDT  D:GMPVA VADPT^GMPLX1(GMPDFN)  F GMPI="DIAGNOSI","LEXICON","DUPLICAT","LOCATION","STATUS" D @(GMPI\_"^GMPLUTL1") Q:$D(GMPQUIT)  Q:$D(GMPQUIT) **; djs GMPL\*2.0\*48 RSD SPEC #2.6.18 Add CL-V to list of environmental indicators to process**  F GMPI="ONSET","RESOLVED","RECORDED","SC","AO","IR","EC","HNC","MST","CV","SHD"**,"CLV"** D @(GMPI\_"^GMPLUTL1") Q:$D(GMPQUIT)  …..  CR1 ; Ok to Create  …..  **; djs GMPL\*2.0\*48 RSD SPEC #2.6.18 Set GMPFLD array value to CL-V value**  S GMPFLD(1.17)=$G(PL("CV")),GMPFLD(1.18)=$G(PL("SHD"))**,GMPFLD(1.19)=$G(PL("CLV"))**  S GMPFLD(80201)=$G(PL("DX\_DATE\_OF\_INTEREST"))  …..  UPDATE(PL,PLY) ; Update a Problem/Create if Not Found  ;  …..   ; PL("SHD") SHAD 1 = Yes 0 = No **; PL("CLV") Camp Lejeune 1 = Yes 0 = No ; djs GMPL\*2.0\*48**  …..  **; djs GMPL\*2.0\*48 RSD SPEC #2.6.18 Add Camp Lejeune variable**  N GMPSC,GMPAGTOR,GMPION,GMPGULF**,GMPCLV**  S GMPVAMC=+$G(DUZ(2)),GMPVA=$S($G(DUZ("AG"))="V":1,1:0),PLY=-1,PLY(0)=""  S GMPIFN=$G(PL("PROBLEM")) I GMPIFN="" D CREATE(.PL,.PLY) Q  I '$D(^AUPNPROB(GMPIFN,0)) S PLY(0)="Invalid problem" Q  I '$D(^VA(200,+$G(PL("PROVIDER")),0)) S PLY(0)="Invalid provider" Q  S GMPROV=+$G(PL("PROVIDER")),GMPDFN=+$P(^AUPNPROB(GMPIFN,0),U,2)  D GETFLDS^GMPLEDT3(GMPIFN) I '$D(GMPFLD) S PLY(0)="Invalid problem" Q  I +$G(PL("PATIENT")),+PL("PATIENT")'=GMPDFN S PLY(0)="Patient does not match for this problem" Q  I $L($G(PL("RECORDED"))) S PLY(0)="Date Recorded is not editable" Q **; djs GMPL\*2.0\*48 RSD SPEC #2.6.18 Initialize Camp Lejeune variable**  S (GMPSC,GMPAGTOR,GMPION,GMPGULF**,GMPCLV**)=0 D:GMPVA VADPT^GMPLX1(GMPDFN)  S:'$L($G(PL("DX\_DATE\_OF\_INTEREST"))) PL("DX\_DATE\_OF\_INTEREST")=$$DT^XLFDT  I '$L($G(PL("CODESYS"))),$L($G(PL("DIAGNOSIS"))) D  . S PL("CODESYS")=$$SAB^ICDEX($$CSI^ICDEX(80,+PL("DIAGNOSIS")),PL("DX\_DATE\_OF\_INTEREST")) **; djs GMPL\*2.0\*48 RSD SPEC #2.6.18 Add CL-V to list of environmental indicators to process**  S ITEMS="LEXICON^DIAGNOSIS^LOCATION^STATUS^ONSET^RESOLVED^SC^AO^IR^EC^HNC^MST^CV^SHD**^CLV"**,FLD="1.01^.01^1.08^.12^.13^1.07^1.1^1.11^1.12^1.13^1.15^1.16^1.17^1.18**^1.19**" |

Table : GMPLUTL1 Routines

| Routines | Activities | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Routine Name** | GMPLUTL1 | | | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | | No Change | | | |
| **RTM** | 2.6.18.2 | | | | | | | | | |
| **Related Options** | PCE Encounter Data Entry | | | | | | | | | |
| Related Routines | Routines “Called By” | | | | | Routines “Called” | | | |
|  | MAIN^GMPLNTFT  REPORT^GMPLNTFT  CONTINUE^GMPLNTFT  HEADER^GMPLNTFT  MAIN^GMPLNTRT  PROVSEL^GMPLNTRT  SELDIV^GMPLNTRT  REPORT^GMPLNTRT  CONTINUE^GMPLNTRT  HEADER^GMPLNTRT  CREATE^GMPLUTL  UPDATE^GMPLUTL  CREATE^VEJDWPB8  UPDATE^VEJDWPB8 | | | | | ^%DT  ^DIR  $$NOS^GMPLX  $$ICDDATA^ICDXCODE  $$LOW^XLFSTR  $$UP^XLFSTR | | | |
| Routines | Activities | | | | | | | | |
| **Data Dictionary (DD) References** | ^AUPNPROB(  ^AUPNPROB("AC"  ^AUPNPROB("B"  ^AUTNPOV(  ^GMPL(125.99  ^LEX(757.01  ^SC(  ^VA(200 | | | | | | | | |
| **Related Protocols** | Check Out Interview | | | | | | | | |
| **Related Control Registrations (ICRs)** | N/A | | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | | Global Reference | Local |
| **Input Attribute Name and Definition** | PL(“CLV”) = 1 if Camp Lejeune is related to Problem  GMPCLV = 1 if Camp Lejeune is related to Problem | | | | | | | | |
| **Output Attribute Name and Definition** | PLY(0) = “Invalid CLV flag” when Inputs above 0 or Blank | | | | | | | | |
| Current Logic | | | | | | | | | |

GMPLUTL1 ; SLC/MKB/KER/TC -- PL Utilities (cont) ;01/15/14 11:13  
 ;;2.0;Problem List;\*\*3,8,7,9,26,35,39,36,42\*\*;Aug 25, 1994;Build 46

…………………….  
 ; AO GMPAGTOR  
 ; IR GMPION  
 ; EC GMPGULF  
 ; HNC GMPHNC  
 ; MST GMPMST  
 ; CV GMPCV  
 ; SHD GMPSHD  
…………………………………………………….

SHD ; SHD exposure flag (Requires GMPSHD)  
 S:'$D(PL("SHD")) PL("SHD")=""  
 I "^^1^0^"'[(U\_PL("SHD")\_U) S GMPQUIT=1,PLY(0)="Invalid SHD flag" Q  
 I 'GMPSHD,+PL("SHD") S GMPQUIT=1,PLY(0)="Invalid SHD flag"  
 Q

| Modified Logic (Changes are in bold) |
| --- |
| GMPLUTL1 ; SLC/MKB/KER/TC -- PL Utilities (cont) ;01/15/14 11:13  ;;2.0;Problem List;\*\*3,8,7,9,26,35,39,36,42**,48**\*\*;Aug 25, 1994;Build 17 ……………………………………   ; AO GMPAGTOR  ; IR GMPION  ; EC GMPGULF  ; HNC GMPHNC  ; MST GMPMST  ; CV GMPCV  ; SHD GMPSHD **; CLV GMPCLV ; tgh GMPL\*2.0\*48** ………………………………………..  SHD ; SHD exposure flag (Requires GMPSHD)  S:'$D(PL("SHD")) PL("SHD")=""  I "^^1^0^"'[(U\_PL("SHD")\_U) S GMPQUIT=1,PLY(0)="Invalid SHD flag" Q  I 'GMPSHD,+PL("SHD") S GMPQUIT=1,PLY(0)="Invalid SHD flag"  Q **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.2 Add CLV to Problem List of exposures to process CLV ; CLV exposure flag (Requires GMPCLV)  S:'$D(PL("CLV")) PL("CLV")=""  I "^^1^0^"'[(U\_PL("CLV")\_U) S GMPQUIT=1,PLY(0)="Invalid CLV flag" Q  I 'GMPCLV,+PL("CLV") S GMPQUIT=1,PLY(0)="Invalid CLV flag"  Q** |

Table : GMPLUTL2 Routines

| Routines | Activities | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Routine Name** | GMPLUTL2 | | | | | | | | |
| **Enhancement Category** | New | | Modify | Delete | | | No Change | | |
| **RTM** | 2.6.18.2 | | | | | | | | |
| **Related Options** | N/A | | | | | | | | |
| Related Routines | Routines “Called By” | | | | | Routines “Called” | | | |
|  | DPT^FHASM7  PROB^GMPLDISP  GETPROB^GMPLHS  LIST^GMPLUTL3  EN^NHINVPL  EN1^NHINVPL  PROBLEMS^ORCHTAB1  ADD^ORCPROB  EDIT^ORCPROB  REMOVE^ORCPROB  PL^ORCXPND4  LIST^ORQQPL  DETAIL^ORQQPL  LIST^ORQQPL3  DELLIST^ORQQPL3  PROBB^ORWRP1  PROB^TIUWRIIS  PROBLEMS^VEJDWPB2  EN^VPRDGMPL  EN1^VPRDGMPL  PROBLEM^VPRDJ0  GMPL1^VPRDJ02 | | | | | $$GETSTAT^DGMSTAPI  $$GETCUR^DGNTAPI  $$GET1^DIQ  ADD^GMPL1  DEVICE^GMPLPRNT  PRT^GMPLPRNT  VAF^GMPLPRNT  NEWNOTE^GMPLSAVE  LIST^GMPLUTL3  $$PTR^GMPLUTL4  $$EXTDT^GMPLX  $$LOCKED^GMPLX  $$PROBTEXT^GMPLX  AUDIT^GMPLX  DTMOD^GMPLX  $$CODECS^ICDEX  $$CSI^ICDEX  $$SAB^ICDEX  $$ICDDATA^ICDXCODE  $$ICDDESC^ICDXCODE  $$CODE^LEXTRAN  7^VADPT  DEM^VADPT  EN^VALM  CLEAR^VALM1  $$HTFM^XLFDT | | | |
| Routines | Activities | | | | | | | | |
| **Data Dictionary (DD) References** | ^AUPNPROB(  ^DPT(  ^GMPL(125  ^GMPL(125.8  ^GMPL(125.99  ^SC(  ^TMP("GMPLCMT"  ^VA(200 | | | | | | | | |
| **Related Protocols** | N/.A | | | | | | | | |
| **Related Integration Control Registrations (ICRs)** | N/A | | | | | | | | |
| **Data Passing** | Input | Output Reference | | | Both | | | Global Reference | Local |
| **Input Attribute Name and Definition** | GMPL1 – Piece 19 will be 1 if Camp Lejeune relates to Problem | | | | | | | | |
| **Output Attribute Name and Definition** | NM1 – Includes 1.19 for Camp Lejeune now  NM2 – Includes “CAMP LEJEUNE” now  GMPL(“EXPOSURE”,X) = “CAMP LEJEUNE” potentially, where X is the Exposure # | | | | | | | | |
| Current Logic | | | | | | | | | |

GMPLUTL2 ; ISL/MKB,KER,JER,TC -- PL Utilities (OE/TIU) ;08/26/14 11:54  
 ;;2.0;Problem List;\*\*10,18,21,26,35,36,42,45\*\*;Aug 25, 1994;Build 53

…..

DETAIL(IFN,GMPL) ; Returns Detailed Data for Problem

…..

 ; GMPL("EXPOSURE",X)="SHAD"

…..

 I $P(GMPL1,U,18)&(GMPLP'>0) S X=GMPL("EXPOSURE")+1,GMPL("EXPOSURE",X)="SHAD",GMPL("EXPOSURE")=X

…..

FLDNAME(NUM) ; Returns field name for display  
 N NAME,NM1,NM2,I,J S J=0,NAME=""  
 S NM1=".01^.05^.12^.13^1.01^1.02^1.04^1.05^1.06^1.07^1.08^1.09^1.1^1.11^1.12^1.13^1.14^1.15^1.16^1.17^1.18^80001^80002^80003^80004^80005^302^1101"  
 F I=1:1:$L(NM1,U) I +$P(NM1,U,I)=+NUM S J=I Q  
 G:J'>0 FNQ  
 S NM2="DIAGNOSIS^PROVIDER NARRATIVE^STATUS^DATE OF ONSET^PROBLEM^CONDITION^RECORDING PROVIDER^RESPONSIBLE PROVIDER"  
 S NM2=NM2\_"^SERVICE^DATE RESOLVED^CLINIC^DATE RECORDED^SERVICE CONNECTED^AGENT ORANGE EXP^RADIATION EXP^ENV CONTAMINANTS EXP"  
  S NM2=NM2\_"^IMMEDIACY^HEAD & NECK CANCER^MIL SEX TRAUMA^COMBAT VET^SHIPBOARD HAZARD EXP^SNOMED CT CONCEPT^SNOMED CT DESIGNATION"

…..

ADD(DFN,LOC,GMPROV) ; -- Interactive LMgr action to add new problem  
 N X,Y,GMPDFN,GMPVA,GMPVAMC,GMPSC,GMPAGTOR,GMPION,GMPGULF,GMPHNC,GMPMST,GMPCV,GMPSHD

…..

SETVARS ; -- Define GMP\* variables used in ADD and EDIT  
 N VA,VADM,VAEL,VASV,X  
 Q:'DFN  D DEM^VADPT,7^VADPT  
 S GMPDFN=DFN\_U\_VADM(1)\_U\_$E(VADM(1))\_VA("BID")\_$S(VADM(6):U\_+VADM(6),1:"")  
 S AUPNSEX=$P(VADM(5),U),GMPVA=1,GMPSC=VAEL(3),GMPAGTOR=VASV(2),GMPION=VASV(3)  
 S X=$P($G(^DPT(DFN,.322)),U,10),GMPGULF=$S(X="Y":1,X="N":0,1:"")  
 S GMPCV=0 I +$G(VASV(10)) S:DT'>$P($G(VASV(10,1)),U) GMPCV=1 ;CV  
 S GMPSHD=+$G(VASV(14,1)) ;SHAD

…..

EDIT(DFN,LOC,GMPROV,GMPIFN) ; Interactive LMgr action to edit a problem  
 N GMPARAM,GMPDFN,GMPVA,GMPSC,GMPAGTOR,GMPION,GMPGULF,GMPHNC,GMPMST,GMPCV,GMPSHD

| Modified Logic (Changes are in bold) |
| --- |
| GMPLUTL2 ; ISL/MKB,KER,JER,TC -- PL Utilities (OE/TIU) ;08/26/14 11:54  ;;2.0;Problem List;\*\*10,18,21,26,35,36,42,45**,48**\*\*;Aug 25, 1994;Build 17  …..  DETAIL(IFN,GMPL) ; Returns Detailed Data for Problem  …..   ; GMPL("EXPOSURE",X)="SHAD"  **; GMPL("EXPOSURE",X)="CAMP LEJEUNE" ; tgh GMPL\*2.0\*48**  …..   I $P(GMPL1,U,18)&(GMPLP'>0) S X=GMPL("EXPOSURE")+1,GMPL("EXPOSURE",X)="SHAD",GMPL("EXPOSURE")=X   **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.2 Add CAMP LEJEUNE to update Problem List of exposures  I $P(GMPL1,U,19) S X=GMPL("EXPOSURE")+1,GMPL("EXPOSURE",X)="CAMP LEJEUNE",GMPL("EXPOSURE")=X**  …..  FLDNAME(NUM) ; Returns field name for display  N NAME,NM1,NM2,I,J S J=0,NAME=""  **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.2 Add Problem List value of exposure to display**  S NM1=".01^.05^.12^.13^1.01^1.02^1.04^1.05^1.06^1.07^1.08^1.09^1.1^1.11^1.12^1.13^1.14^1.15^1.16^1.17^1.18**^1.19**^80001^80002^80003^80004^80005^302^1101"  F I=1:1:$L(NM1,U) I +$P(NM1,U,I)=+NUM S J=I Q  G:J'>0 FNQ  S NM2="DIAGNOSIS^PROVIDER NARRATIVE^STATUS^DATE OF ONSET^PROBLEM^CONDITION^RECORDING PROVIDER^RESPONSIBLE PROVIDER"  S NM2=NM2\_"^SERVICE^DATE RESOLVED^CLINIC^DATE RECORDED^SERVICE CONNECTED^AGENT ORANGE EXP^RADIATION EXP^ENV CONTAMINANTS EXP"  **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.2 Add CAMP LEJEUNE EXP to Problem List of exposures to display**  S NM2=NM2\_"^IMMEDIACY^HEAD & NECK CANCER^MIL SEX TRAUMA^COMBAT VET^SHIPBOARD HAZARD EXP**^CAMP LEJEUNE EXP**^SNOMED CT CONCEPT^SNOMED CT DESIGNATION"  …..  ADD(DFN,LOC,GMPROV) ; -- Interactive LMgr action to add new problem **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18,2 Add CLV to list of newed variables**  N X,Y,GMPDFN,GMPVA,GMPVAMC,GMPSC,GMPAGTOR,GMPION,GMPGULF,GMPHNC,GMPMST,GMPCV,GMPSHD**,GMPCLV**  …..  SETVARS ; -- Define GMP\* variables used in ADD and EDIT  N VA,VADM,VAEL,VASV,X  Q:'DFN  D DEM^VADPT,7^VADPT  S GMPDFN=DFN\_U\_VADM(1)\_U\_$E(VADM(1))\_VA("BID")\_$S(VADM(6):U\_+VADM(6),1:"")  S AUPNSEX=$P(VADM(5),U),GMPVA=1,GMPSC=VAEL(3),GMPAGTOR=VASV(2),GMPION=VASV(3)  S X=$P($G(^DPT(DFN,.322)),U,10),GMPGULF=$S(X="Y":1,X="N":0,1:"")  S GMPCV=0 I +$G(VASV(10)) S:DT'>$P($G(VASV(10,1)),U) GMPCV=1 ;CV  S GMPSHD=+$G(VASV(14,1)) ;SHAD **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.2 Add GMPCLV to list of variables  S GMPCLV=+$G(VASV(15)**  …..  EDIT(DFN,LOC,GMPROV,GMPIFN) ; Interactive LMgr action to edit a problem  **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.2 Add CLV to list of newed variables**  N GMPARAM,GMPDFN,GMPVA,GMPSC,GMPAGTOR,GMPION,GMPGULF,GMPHNC,GMPMST,GMPCV,GMPSHD**,GMPCLV** |

Table : GMPLX1 Routines

| Routines | Activities | | | |
| --- | --- | --- | --- | --- |
| **Routine Name** | GMPLX1 | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **RTM** | 2.6.18.2, 2.6.18.3, 2.6.18.3.1, 2.6.18.5, 2.6.18.6 | | | |
| **Related Options** | GMPL CLINICAL USER, GMPL DATA ENTRY | | | |

| Related Routines | Routines “Called By” | | | Routines “Called” | | |
| --- | --- | --- | --- | --- | --- | --- |
|  | ADD^GMPL  ADD1^GMPL1  ADD^GMPLBLDC  INIT^GMPLCODE  GETPROB^GMPLHS  INIT^GMPLMGR  IN1^GMPLMGR  BLDPROB^GMPLMGR  NEWPAT^GMPLMGR1  SHOW^GMPLMGR2  REPORT^GMPLNTRT  PROB^GMPLPRNT  EN^GMPLRPTR  NTRTBULL^GMPLSAVE  CREATE^GMPLUTL  UPDATE^GMPLUTL  LIST^GMPLUTL3  EP^GMPLX  UPDPLP^LEXTRAN3  INITUSER^ORQQPL1  INITPT^ORQQPL1  NTRTBULL^ORQQPL2  NEWPAT^VEJDWPB7  CREATE^VEJDWPB8  CR1^VEJDWPB8  UPDATE^VEJDWPB8 | | | $$GETSTAT^DGMSTAPI  $$GETCUR^DGNTAPI  ^DIC  ^DIE  ^DIR  UPDATE^GMPLUTL  $$PTR^GMPLUTL4  $$EXTDT^GMPLX  $$NOS^GMPLX  $$CODECS^ICDEX  $$CSI^ICDEX  $$SAB^ICDEX  $$ICDDATA^ICDXCODE  7^VADPT  DEM^VADPT  $$REPEAT^XLFSTR | | |
| Routines | Activities | | | | | |
| **Data Dictionary (DD) References** | ^AUPNPROB(  ^AUPNPROB("ASCT"  ^DIC(49  ^DPT(  ^GMPL(125.99  ^ORD(101  ^VA(200 | | | | | |
| **Related Protocols** | Add New Problems | | | | | |
| **Related Integration Control Registrations (ICRs)** | 2743 | | | | | |
| **Data Passing** | Input | Output Reference | Both | | Global Reference | Local |
| **Input Attribute Name and Definition** | DFN – IEN into PATIENT file  DA - IEN into PROBLEM file | | | | | |
| **Output Attribute Name and Definition** | SC(“CLV”) & GMPCLV – 1 – CLV eligible, 0 – otherwise  CLV – 1 – CLV eligible, 0 – otherwise  SC(1) will contain “CL”, SC(2) & SC(3) will contain “L” if CLV eligible | | | | | |
| Current Logic | | | | | | |

GMPLX1 ; SLC/MKB/KER/TC - Problem List Person Utilities ;11/27/12 08:28  
 ;;2.0;Problem List;\*\*3,26,35,36,42\*\*;Aug 25, 1994;Build 46

………..

VADPT(DFN) ; Get Service/Elig Flags  
 ;  
 ; Returns = 1/0/"" if Y/N/unknown  
 ; GMPSC Service Connected  
 ; GMPAGTOR Agent Orange Exposure  
 ; GMPION Ionizing Radiation Exposure  
 ; GMPGULF Persian Gulf Exposure  
 ; GMPMST Military Sexual Trauma  
 ; GMPHNC Head and/or Neck Cancer  
 ; GMPCV Combat Veteran  
 ; GMPSHD Shipboard Hazard and Defense  
 ;  
 N VAEL,VASV,VAERR,HNC,X D 7^VADPT S GMPSC=VAEL(3),GMPAGTOR=VASV(2)  
 S GMPION=VASV(3),X=$P($G(^DPT(DFN,.322)),U,10),GMPGULF=$S(X="Y":1,X="N":0,1:"")  
 S GMPCV=0 I +$G(VASV(10)) S:DT'>$P($G(VASV(10,1)),U) GMPCV=1 ;CV  
 S GMPSHD=+$G(VASV(14,1)) ;SHAD  
 S X=$P($$GETSTAT^DGMSTAPI(DFN),"^",2),GMPMST=$S(X="Y":1,X="N":0,1:"")  
 S X=$$GETCUR^DGNTAPI(DFN,"HNC"),X=+($G(HNC("STAT"))),GMPHNC=$S(X=4:1,X=5:1,X=1:0,X=6:0,1:"")  
 Q  
SCS(PROB,SC) ; Get Exposure/Conditions Strings  
 ;  
 ; Input PROB Pointer to Problem #9000011  
 ;  
 ; Returns SC Array passed by reference  
 ; SC(1)="AO/IR/EC/HNC/MST/CV/SHD  
 ; SC(2)="A/I/E/H/M/C/S  
 ; SC(3)="AIEHMCS  
 ;  
 ; NOTE: Military Sexual Trauma (MST) is suppressed  
 ; if the current device is a printer.  
 ;  
 N ND,DA,FL,AO,IR,EC,HNC,MST,CV,SHD,PTR S DA=+($G(PROB)) Q:+DA=0  
 S ND=$G(^AUPNPROB(+DA,1)),AO=+($P(ND,"^",11)),IR=+($P(ND,"^",12))  
 S EC=+($P(ND,"^",13)),HNC=+($P(ND,"^",15)),MST=+($P(ND,"^",16))  
  S CV=+($P(ND,"^",17)),SHD=+($P(ND,"^",18))

………………

  I +PTR'>0 D  
  . I +SHD>0 S:$G(SC(1))'["SHD" SC(1)=$G(SC(1))\_"/SHD" S:$G(SC(2))'["D" SC(2)=$G(SC(2))\_"/S" S:$G(SC(3))'["S" SC(3)=$G(SC(3))\_"S"  
 ………………….

SCCOND(DFN,SC) ; Get Service/Elig Flags (array)  
 ; Returns local array .SC passed by value  
 N HNC,VAEL,VASV,VAERR,X D 7^VADPT  
 S SC("DFN")=$G(DFN),SC("SC")=$P(VAEL(3),"^",1)  
 S SC("AO")=$P(VASV(2),"^",1)  
 S SC("IR")=$P(VASV(3),"^",1)  
 S X=$P($G(^DPT(DFN,.322)),U,10),SC("PG")=$S(X="Y":1,X="N":0,1:"")  
 S SC("CV")=0 I +$G(VASV(10)) S:DT'>$P($G(VASV(10,1)),U) SC("CV")=1 ;CV  
 S SC("SHD")=+$G(VASV(14,1)) ;SHAD

| Modified Logic (Changes are in bold) |
| --- |
| GMPLX1 ; SLC/MKB/KER/TC - Problem List Person Utilities ;11/27/12 08:28  ;;2.0;Problem List;\*\*3,26,35,36,42**,48**\*\*;Aug 25, 1994;Build 17  ………..  VADPT(DFN) ; Get Service/Elig Flags  ;  ; Returns = 1/0/"" if Y/N/unknown  ; GMPSC Service Connected  ; GMPAGTOR Agent Orange Exposure  ; GMPION Ionizing Radiation Exposure  ; GMPGULF Persian Gulf Exposure  ; GMPMST Military Sexual Trauma  ; GMPHNC Head and/or Neck Cancer  ; GMPCV Combat Veteran  ; GMPSHD Shipboard Hazard and Defense **; GMPCLV Camp LeJeune ; tgh GMPL\*2.0\*48**  ;  N VAEL,VASV,VAERR,HNC,X D 7^VADPT S GMPSC=VAEL(3),GMPAGTOR=VASV(2)  S GMPION=VASV(3),X=$P($G(^DPT(DFN,.322)),U,10),GMPGULF=$S(X="Y":1,X="N":0,1:"")  S GMPCV=0 I +$G(VASV(10)) S:DT'>$P($G(VASV(10,1)),U) GMPCV=1 ;CV  S GMPSHD=+$G(VASV(14,1)) ;SHAD  **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.1 Add CLV to Problem List of exposures   S GMPCLV=+$G(VASV(15)) ;CLV**  S X=$P($$GETSTAT^DGMSTAPI(DFN),"^",2),GMPMST=$S(X="Y":1,X="N":0,1:"")  S X=$$GETCUR^DGNTAPI(DFN,"HNC"),X=+($G(HNC("STAT"))),GMPHNC=$S(X=4:1,X=5:1,X=1:0,X=6:0,1:"")  Q SCS(PROB,SC) ; Get Exposure/Conditions Strings  ;  ; Input PROB Pointer to Problem #9000011  ;  ; Returns SC Array passed by reference  ; SC(1)="AO/IR/EC/HNC/MST/CV/SHD**/CL" ; tgh GMPL\*2.0\*48**  ; SC(2)="A/I/E/H/M/C/S**/L" ; tgh GMPL\*2.0\*48**  ; SC(3)="AIEHMCS**L" ; tgh GMPL\*2.0\*48**  ;  ; NOTE: Military Sexual Trauma (MST) is suppressed  ; if the current device is a printer.  ; **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.1 Add CLV to New**   N ND,DA,FL,AO,IR,EC,HNC,MST,CV,SHD**,CLV**,PTR S DA=+($G(PROB)) Q:+DA=0  S ND=$G(^AUPNPROB(+DA,1)),AO=+($P(ND,"^",11)),IR=+($P(ND,"^",12))  S EC=+($P(ND,"^",13)),HNC=+($P(ND,"^",15)),MST=+($P(ND,"^",16)) **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.1 Add CLV to Problem List of exposures**  S CV=+($P(ND,"^",17)),SHD=+($P(ND,"^",18))**,CLV=+($P(ND,"^",19))**  ………………  I +PTR'>0 D  . I +SHD>0 D  .. S:$G(SC(1))'["SHD" SC(1)=$G(SC(1))\_"/SHD" S:$G(SC(2))'["D" SC(2)=$G(SC(2))\_"/S" S:$G(SC(3))'["S" SC(3)=$G(SC(3))\_"S"  **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.1 Add CLV to Problem List of exposures, using "L" to represent single letter for CLV  I +CLV>0 D  . S:$G(SC(1))'["CL" SC(1)=$G(SC(1))\_"/CL" S:$G(SC(2))'["L" SC(2)=$G(SC(2))\_"/L" S:$G(SC(3))'["L" SC(3)=$G(SC(3))\_"L"**  **……………………………..** SCCOND(DFN,SC) ; Get Service/Elig Flags (array)  ; Returns local array .SC passed by value  N HNC,VAEL,VASV,VAERR,X D 7^VADPT  S SC("DFN")=$G(DFN),SC("SC")=$P(VAEL(3),"^",1)  S SC("AO")=$P(VASV(2),"^",1)  S SC("IR")=$P(VASV(3),"^",1)  S X=$P($G(^DPT(DFN,.322)),U,10),SC("PG")=$S(X="Y":1,X="N":0,1:"")  S SC("CV")=0 I +$G(VASV(10)) S:DT'>$P($G(VASV(10,1)),U) SC("CV")=1 ;CV  S SC("SHD")=+$G(VASV(14,1)) ;SHAD **; tgh GMPL\*2.0\*48 RSD SPEC #2.6.18.1 Add CLV to Problem List of exposures  S SC("CLV")=+$G(VASV(15)) ;CLV** |

##### Templates

N/A

Table (Grouping): Templates

| Templates | Description | | | |
| --- | --- | --- | --- | --- |
| **Template Name** | N/A | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **RSD** | N/A | | | |
| **Template Type** | Sort | Input | Print | Other |
| **Related Options** | N/A | | | |

| **Related Routines** | **Routines “Called By”** | **Routines “Called”** |
| --- | --- | --- |
| **N/A** | N/A | N/A |

| Routines | Description |
| --- | --- |
| **Data Dictionary (DD) References** | N/A |
| **Global References** | N/A |

##### Bulletins

N/A

Table (Grouping): Bulletins

| Bulletins | Description | | | |
| --- | --- | --- | --- | --- |
| **Bulletin Name** | N/A | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **RTM** | N/A | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
| N/A | N/A | N/A |

| Routines | Description |
| --- | --- |
| **Mail Subject** | N/A |
| **Mail Group** | N/A |
| **Parameters** | N/A |
| **Data Dictionary (DD) References** | N/A |

##### Data Entries Affected by the Design

This section lists the data entries affected by the design.

Table : Data Entries Affected by the Design

| Field Name | Current Value | New Value | |
| --- | --- | --- | --- |
| 9000011,1.19 CAMP LEJEUNE | N/A | | If this problem is related to Camp Lejeune exposure, it may be flagged here. |

The following is a complete FileMan listing of the new fields:

9000011,1.19 CAMP LEJEUNE 1;19 SET

'1' FOR YES;

'0' FOR NO;

LAST EDITED: APR 23, 2015

DESCRIPTION: If this problem is related to Camp Lejeune

exposure, it may be flagged here.

TECHNICAL DESCR: This data will be prompted for only if a

patient has been treated for Camp Lejeune

exposure.

##### Unique Record(s)

N/A

Table : Unique Record ID

| Field Name(s) | Current Value | New Value |
| --- | --- | --- |
| N/A | N/A | N/A |

##### File or Global Size Changes

Table : PROBLEM File or Global Size Changes

| File/Global Name(s) | Estimated Increase | Estimated Decrease |
| --- | --- | --- |
| File #9000011 | 1 byte per record | None |

##### Mail Groups

No mail groups are affected.

Table (Grouping): Mail Groups

| Mail Groups | Activities | | | |
| --- | --- | --- | --- | --- |
| **Mail Group Name** | N/A | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **Related Options** | N/A | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
| N/A | N/A | N/A |

| Mail Groups | Instructions | |
| --- | --- | --- |
| **Data Dictionary (DD) References** | N/A | |
| **Related Protocols** | N/A | |
| **Mail Group Description** | N/A | |
| **Self-Enrollment Allowed** | Yes | No |
| **Type** | Public | Private |

##### Security Keys

N/A

Table (Grouping): Security Keys

| Security Keys | Activities | | | |
| --- | --- | --- | --- | --- |
| **Security Key Name** | N/A | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **Related Options** | N/A | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
| N/A | N/A | N/A |

| Security Keys | Activities | | | | |
| --- | --- | --- | --- | --- | --- |
| **Data Passing** | Input | Output | Both | Global Reference | Local Reference |
| **Security Key Description** | N/A | | | | |
| **Subordinate Keys** | N/A | | | | |
| **Mutually Exclusive Keys** | N/A | | | | |
| **Granting Condition Logic** | N/A | | | | |

| Current Logic |
| --- |
| N/A |

| Modified Logic (Changes are in bold) |
| --- |
| N/A |

| Security Keys | Activities |
| --- | --- |
| **Hierarchical Precedence** | N/A |

##### Options

N/A

Table (Grouping): Options

| Options | Activities | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Option Name** | N/A | | | | | | | | | | |
| **Enhancement Category** | New | Modify | | | | Delete | | | No Change | | |
| **Associated Menu Options that will invoke this reference** | N/A | | | | | | | | | | |
| **Data Passing** | Input | | Output | | Both | | | Global Reference | | | Local Reference |
| **Menu Text Description** | N/A | | | | | | | | | | |
| **Option Type** | Edit | | | Print | | | Menu | | | Inquire | |
| Action | | | Run Routine | | | Other | | |  | |
| **Associated Routine** | N/A | | | | | | | | | | |
| **Option Definition** | N/A | | | | | | | | | | |

| Current Entry Action Logic |
| --- |
| N/A |

| Modified Entry Action Logic (Changes are in bold) |
| --- |
| N/A |

| Current Exit Action Logic |
| --- |
| N/A |

| Modified Exit Action Logic (Changes are in bold) |
| --- |
| N/A |

##### Protocols

N/A

Table (Grouping): Protocols

| Protocols | Activities |
| --- | --- |
| **Protocol Name** | N/A |
| **Enhancement Category** | New  Modify  Delete  No Change |
| **Associated Protocols** | N/A |
| **Data Passing** | Input  Output  Both  Global Reference  Local Reference |
| **Item Text Description** | N/A |
| **Protocol Type** | Action  Menu  Protocol  Protocol Menu  Limited Protocol  Extended Action  Dialog  Other |
| **Associated Routine** | N/A |

| Current Entry Action Logic |
| --- |
| N/A |

| Modified Entry Action Logic (Changes are in bold) |
| --- |
| N/A |

| Current Exit Action Logic |
| --- |
| N/A |

| Modified Exit Action Logic (Changes are in bold) |
| --- |
| N/A |

##### Remote Procedure Call (RPC)

N/A

Table : RPCs

| RPCs | Activities | | |
| --- | --- | --- | --- |
| **Name** | N/A | | |
| **TAG^RTN** | N/A | | |
| **Input Parameters** | N/A | | |
| **Results Array** | Single Value | Array | Word Processing |
| Global Array | Global Instance |  |
| **Description** | N/A | | |

##### Constants Defined in Interface

N/A

Table : Constants Defined in Interface

| Name | Description |
| --- | --- |
| N/A | **N/A** |

##### Variables Defined in Interface

N/A

Table : Variables Defined in Interface

| Name | Type | Description |
| --- | --- | --- |
| N/A | **N/A** | **N/A** |

##### Types Defined in Interface

N/A

Table 35: Types Defined in Interface

| Name | Type | Description |
| --- | --- | --- |
| N/A | N/A | N/A |

##### GUI

N/A

Table : GUI

| Unit Name | Description |
| --- | --- |
| N/A | N/A |

##### GUI Classes

N/A

Table : GUI Classes

| GUI Classes | Instructions |
| --- | --- |
| **Class Name** | N/A |
| **Derived From Class** | N/A |
| **Purpose** | N/A |

##### Current Form

N/A

##### Modified Form

N/A

##### Components on Form

N/A

Table : Components on Form

| Name | Type | Description |
| --- | --- | --- |
| N/A | **N/A** | **N/A** |

##### Events

N/A

Table : Events

| Name | Type | Description |
| --- | --- | --- |
| N/A | **N/A** | **N/A** |

##### Methods

N/A

Table : Methods

| Method Name | Procedure/Function | Description |
| --- | --- | --- |
| N/A | N/A | N/A |

##### Special References

N/A

Table : Special References

| Special Reference Name | Type | Description |
| --- | --- | --- |
| N/A | N/A | N/A |

##### Class Events

N/A

Table : Class Events

| Name | Type | Description |
| --- | --- | --- |
| N/A | N/A | N/A |

##### Class Methods

N/A

Table : Class Methods

| Name | Procedure/Function | Description |
| --- | --- | --- |
| N/A | N/A | N/A |

##### Class Properties

N/A

Table : Class Properties

| Class Properties Name | Type | Visibility | Description |
| --- | --- | --- | --- |
| N/A | N/A | N/A | N/A |

##### Uses Clause

N/A

##### Forms

N/A

Table (Grouping): Forms

| Forms | Description | | | |
| --- | --- | --- | --- | --- |
| **Form Name** | N/A | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **Form Functionality** | N/A | | | |

| Current Form Layout |
| --- |
| N/A |

| Modified Form Layout (Changes are in bold) |
| --- |
| N/A |

##### Functions

N/A

Table (Grouping): Functions

| Function Name | Activities | | | |
| --- | --- | --- | --- | --- |
| **Short Description** | N/A | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **Related Options** | N/A | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
| N/A | N/A | N/A |

| Function Name | Activities | | | | |
| --- | --- | --- | --- | --- | --- |
| **Data Dictionary (DD) References** | N/A | | | | |
| **Related Protocols** | N/A | | | | |
| **Related Integration Control Registrations (ICRs)** | N/A | | | | |
| **Data Passing** | Input | Output | Both | Global Reference | Local Reference |
| **Input Attribute Name and Definition** | Name: | | | | |
| Definition: | | | | |
| **Output Attribute Name and Definition** | Name: | | | | |
| Definition: | | | | |

| Current Logic |
| --- |
| N/A |

| Modified Logic (Changes are in bold) |
| --- |
| N/A |

##### Dialog

N/A

Table : Dialog

| Dialog | Instructions | | | |
| --- | --- | --- | --- | --- |
| **Dialog Message (Description)** | N/A | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **Dialog Message (Description) Condition** | N/A | | | |
| **Current Dialog Message (Description)** | N/A | | | |
| **Modified Dialog Message (Description)  (Changes are in bold)** | N/A | | | |

##### Help Frame

N/A

Table (Grouping): Help Frame

| Help Frame | Description | | | |
| --- | --- | --- | --- | --- |
| **Help Frame Text** | N/A | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **Help Frame Text Calling Mechanism** | N/A | | | |

| Current Help Frame Text |
| --- |
| N/A |

| Modified Help Frame Text (Changes are in bold) |
| --- |
| N/A |

##### HL7 Application Parameter

N/A

Table (Grouping): HL7 Application Parameter

| HL7 Application Parameter Name | Description |
| --- | --- |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Enhancement Category** | New | Modify | Delete | No Change |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Application Status** | Active | Inactive | Active | Inactive |

| Enhancement Category | Current | Modified |
| --- | --- | --- |
| **Facility Name** | N/A | N/A |
| **Country Code** | N/A | N/A |
| **HL7 Field Separator** | N/A | N/A |
| **HL7 Encoding Characters** | N/A | N/A |
| **Mail Group** | N/A |  |

##### HL7 Logical Link

N/A

Table (Grouping): HL7 Logical Link

| HL7 Logical Link | Description |
| --- | --- |
| **HL7 Logical Link Parameter Name** | **N/A** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Enhancement Category** | **New** | **Modify** | **Delete** | **No Change** |

| Enhancement Category | Current | Modified |
| --- | --- | --- |
| **Node** | **N/A** | **N/A** |
| **Institution** | **N/A** | **N/A** |
| **Domain** | **N/A** | **N/A** |
| **Autostart** | **N/A** | **N/A** |
| **Queue Size** | **N/A** | **N/A** |
| **LLP Type** | **N/A** | **N/A** |

##### COTS Interface

N/A

Table : COTS Interface

| COTS Interface | Description |
| --- | --- |
| **Communication Method** | N/A |
| **Application Interface** | N/A |

## Network Detailed Design

No change from previous releases.

## Security and Privacy

No special considerations apply for security and privacy for the CL-V enhancements.

### Security

N/A

### Privacy

N/A

## Service Oriented Architecture / ESS Detailed Design

VistA does not have a Service Oriented Architecture/ESS Detailed Design. This does not apply to VistA.

### Service Description for <Consumed Service Name>

Not applicable to VistA.

### Service Design for <Provided Service Name>

Not applicable to VistA.

#### Introduction

##### Purpose and Scope of Service

Not applicable to VistA.

##### Links to Other Documents

Not applicable to VistA.

#### Service Details

##### Service Identification

Not applicable to VistA.

Table : Service Identification

| Service Attribute | Value |
| --- | --- |
| N/A | N/A |
| Overview | N/A |
| Version | N/A |
| Latest Status | N/A |
| Service Type | N/A |
| Architecture Layer | N/A |
| Business Domain | N/A |
| Service Domain | N/A |
| Business Organization and Owner | N/A |
| Technical Organization and Owner | N/A |
| Development Organization and Owner | N/A |
| Support Organization and Owner | N/A |
| Target Consumer Organization(s) and Owner(s) | N/A |

##### Service Versions

Not applicable to VistA.

Table : Service Versions

|  |  |  |
| --- | --- | --- |
| Version Numbers | Current Status of Version | A Brief Description of the change implemented in that version |
| N/A | N/A | N/A |

##### Summary of Design and Platform Details

###### SOA Pattern(s) Implemented

Not applicable to VistA.

###### COTS Platform Vendor Names and Versions for Hosting Platform

Not applicable to VistA.

#### Dependencies

Not applicable to VistA.

#### Service Design Details

Not applicable to VistA.

##### Interface Technical Specs

Not applicable to VistA.

###### Service Invocation Type

Not applicable to VistA.

###### Service Interface Type

Not applicable to VistA.

###### Service Name

Not applicable to VistA.

###### Interface

Not applicable to VistA.

###### End Points

Not applicable to VistA.

###### Operations or Methods

Not applicable to VistA.

Table : Operations

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Operation Name | Inputs | Outputs | Transactional Qualities if relevant (Updating?, Atomic?, Can participate in transaction?) | Pre and Post Conditions | Exception (s) |
| N/A | N/A | N/A | N/A | N/A | N/A |

###### Message Schemas

Not applicable to VistA.

##### Information Model

Not applicable to VistA.

###### Class Diagram and Description of Entities Involved

Not applicable to VistA.

###### Mappings from ELDM to Standards Based Schemas

Not applicable to VistA.

##### Behavior Model (AKA Use Case Realization)

Not applicable to VistA.

###### Use Cases (Use Case Model)

Not applicable to VistA.

###### Interaction Diagrams

Not applicable to VistA.

#### Gap Analysis

Not applicable to VistA.

Table : Gap Analysis

| Design Elements🡪  Policies / SLD elements etc.↓ | Design  Element A | Design  Element B | Design  Element C | Comment for Non-Conformance |
| --- | --- | --- | --- | --- |
| N/A | N/A | N/A | N/A | N/A |

##### Variances from Enterprise Target Architecture

Not applicable to VistA.

##### Variances from SLDs

Not applicable to VistA.

##### Variances from Standards and Policies

Not applicable to VistA.

##### Justification for Exceptions and Mitigation

Not applicable to VistA.

# External System Interface Design

No change from previous releases.

## Interface Architecture

No change from previous releases.

## Interface Detailed Design

No change from previous releases.

# Human-Machine Interface

The Problem List Package has no human-machine interface other than a roll-and-scroll terminal. There are no changes to the human-machine interface for the CL-V enhancements.

## Interface Design Rules

Not applicable to VistA.

## Inputs

Not applicable to VistA.

## Outputs

Not applicable to VistA.

## Navigation Hierarchy

Not applicable to VistA.

### Screen [x.1]

Not applicable to VistA.

### Screen [x.2]

Not applicable to VistA.

### Screen [x.3]

Not applicable to VistA.

# Attachment A – Approval Signatures

This section is used to document the approval of the System Design Document. The review should be conducted face to face where signatures can be obtained ‘live’ during the review. If unable to conduct a face-to-face meeting then it should be held via LiveMeeting and concurrence captured during the meeting. The Scribe should add /es/name by each position cited. Example provided below.

The Business Sponsor and Project Manager are required to sign.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signed: Date:

< Business Sponsor >

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signed: Date:

< Project Manager >

1. Additional Information

Additional information is provided in the sub-sections that follow.

* 1. Identification of Technology and Standards

The only standard that applies to the patch described in this SDD are the American National Standards Institute [ANSI] standards.

This application conforms to the current VistA Standards and Conventions Committee (SACC) and has passed through all of the VA vetting processes before its national release.

In addition, it utilizes the latest versions of key VistA infrastructure applications (FileMan, Kernel, MailMan, etc.)

* 1. Constraining Policies, Directives and Procedures

Directive: Public Law 112-154: On August 6, 2012, President Obama signed into law the “Honoring America’s Veterans and Caring for Camp Lejeune Families Act of 2012” (P. L. 112-154). This law provides healthcare for Veterans who served on active duty at Camp Lejeune and reimbursement for healthcare to family members who resided at Camp Lejeune for not fewer than 30 days between August 1, 1953 and December 31, 1987. The law authorizes care for 15 medical conditions, even if there is insufficient medical evidence to conclude that such illnesses or conditions are attributable to the Veterans’ military service or family members’ residence at Camp Lejeune.

The Camp Lejeune-Veterans (CL-V) project improves organizational efficiency in providing services to affected Veterans by ensuring they are appropriately identified as Camp Lejeune eligible, assigning them to Priority Group 6, and waiving co-payments for their conditions related to Camp Lejeune. This helps to address the mandated House Resolution (H.R.) 1627 [now Public Law (P.L.) 112-154, Honoring America’s Veterans], which requires the Department of Veterans Affairs (VA) to provide hospital care and medical services to Veterans who meet the specified conditions.

The changes to the Problem List application, the subject of this SDD, is one of the backend processing systems for Camp Lejeune related care that allows implementation of Camp Lejeune system changes.

* 1. Requirements Traceability Matrix

The CL-V Inc 4 RTM is found on the CL-V TSPR site. The RTM for the Problem List patch is found on the Problem List tab.

* 1. Packaging and Installation

Not applicable to VistA.

* 1. Design Metrics

Not applicable to VistA.