



IMMUNOLOGY CASE REGISTRY INSTALLATION GUIDE

Version 2.1
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Department of Veterans Affairs
Veterans Health Administration
Office of Chief Information Officer

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Installation Guide

Overview

- The package namespace is IMR.
- The following describes the installation environment for Version 2.1 of the Immunology Case Registry package:
 1. VA FileMan V. 21 or greater,
 2. Kernel V. 8.0 or greater,
 3. Kernel Toolkit V. 7.3 or greater,
 4. PIMS V. 5.3 or greater,
 5. MailMan V. 7.1 or greater.
- Sites having made any local modifications to verified Immunology Case Registry routines and/or data dictionaries may have such modifications overwritten. The convention for locally modified or developed routines is to have them stored as namespace_Z (i.e., IMRZ*) routines. The convention for adding fields to the database is that such field numbers are prefixed with the station number followed by three or more other numbers (e.g. 578xxx). Local changes that comply with these conventions are not overwritten during this installation.
- Resource Requirements
 1. Data Entry and Printer Devices:

The minimal hardware requirements for the software is one CRT and one printer per location.

The user should select certain printers to be set up as allowable (secure) printers in the ICR Site Parameter (#158.9) file. If the user attempts printing to a non-secure printer, then the output will be replaced by an error message indicating that the output can only be directed to a secure printer. However, users can print their output to a printer that is "slaved" to their terminal.

2. Disk Storage:

The following statistics regarding the disk storage requirements of the software were compiled by the Alpha/Beta test sites.

<u>Globals</u>	<u>Type of Data</u>	<u>Size</u>
DDs		300 k
IMR	Patient data for the Immunology Case Registry application	4 k/ patient
XM	Patient data extract mail messages to the National Registry	1 k/ message

Immunology Case Registry V. 2.1 Installation

1. Before installation of the Immunology Case Registry software:
 - a. Coordinate the installation with the package ADPAC.
 - b. Schedule downtime with the users of the package. Since the installation will put the IMR namespace options out-of-service for the duration of the install, the system does not have to be down during the installation.
 - c. Backup the system.
 - d. Disable routine mapping and journaling if appropriate.
 - e. Set variables DUZ and DUZ(0)="@" by executing the following command D ^XUP.
 - f. Make certain the IMR REGISTRY DATA option is not currently running. This option is queued to run at regular intervals to send local data to the National Registry. The IMR Registry Data option will error out if it is running while the software is installed. The pre-installation routine will unschedule this option. The post-installation routine will re-schedule this option.
 - g. Some facilities schedule the Current Inpatients Report [IMR INPAT LIST] to run at regular intervals. If your facility does schedule this option to run at regular intervals, you should install this new version when this option is not running.
2. (Optional) Sites may delete any old Immunology Case Registry routines (IMR*), not including local routines IMRZ*, from the system.
3. If this is a virgin installation, check the Domain (#4.2) file to see if it contains the necessary domain file entry needed to transmit data to the National Registry. There should be an entry for "IMMUNOLOGY.VA.GOV" (without the quotes). If no such entry exists, contact your CIO Field Office customer support representative to find out what values are needed; then use the Enter/edit functionality of FileMan to create the entry.

4. The post-installation routine invokes the data extraction process which sends mail messages to the National Registry. This data extraction process will send all data for all ICR patients that has not been sent. With this new version, only one patient's data will be in each data extract mail message. This post-installation may generate a very large number of mail messages. Before installing this package you may wish to use the Enter/Edit Immunology Study Site Parameters [IMR SPF ENTER/EDIT] option to set the Put on Mail List field of the coordinator(s) multiple equal to "No" until the post-installation data extract process is completed. This will prevent ICR coordinators from getting a large number of mail messages.

Example - Immunology Case Registry Installation (Non-virgin install)

> D ^XUP

Setting up programmer environment
Terminal Type set to: C-VT320

Select OPTION NAME: **XPD MAIN** Kernel Installation & Distribution
System

Edits and Distribution ...
Utilities ...
Installation ...

Select Kernel Installation & Distribution System Option: **INStallation**

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)
 Restart Install of Package(s)
 Unload a Distribution

Select Installation Option: **1** Load a Distribution
Enter a Host File: **IMR2_1.KID**

KIDS Distribution saved on Oct 15, 1997@14:56:01
Comment: Immunology Case Registry v2.1

This Distribution contains Transport Globals for the following Package(s):
ICR - IMMUNOLOGY CASE REGISTRY 2.1

Want to Continue with Load? YES// <RET>
Loading Distribution...

ICR - IMMUNOLOGY CASE REGISTRY 2.1
Use INSTALL NAME: **ICR - IMMUNOLOGY CASE REGISTRY 2.1** to install this
Distribution.

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)
 Restart Install of Package(s)
 Unload a Distribution

Select Installation Option: **6** Install Package(s)
Select INSTALL NAME: **ICR - IMMUNOLOGY CASE REGISTRY 2.1** Loaded from D
istribution 10/15/97@15:03:44
=> Immunology Case Registry v2.1 ;Created on Oct 15, 1997@14:56:01

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This Distribution was loaded on Oct 15, 1997@15:03:44 with header of
Immunology Case Registry v2.1 ;Created on Oct 15, 1997@14:56:01
It consisted of the following Install(s):
ICR - IMMUNOLOGY CASE REGISTRY 2.1

ICR - IMMUNOLOGY CASE REGISTRY 2.1

Install Questions for ICR - IMMUNOLOGY CASE REGISTRY 2.1

Incoming Files:

158 IMMUNOLOGY CASE STUDY

158.8 ICR ACCESS VIOLATION

158.9 ICR SITE PARAMETERS

158.94 IMMUNOLOGY SPECIFIC DRUG (including data)

158.95 IMMUNOLOGY SPECIFIC LAB TEST (including data)

Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// **NO**

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME// **<RET>** HOME

Install Started for ICR - IMMUNOLOGY CASE REGISTRY 2.1 :
Oct 15, 1997@15:04:15

Installing Routines:
Oct 15, 1997@15:04:24

Running Pre-Install Routine: ^IMRPRE

Fixing ICR ACCESS VIOLATION file (158.8) data subscripts...

Unschedulering IMR REGISTRY DATA option while the installation is running...

Installing Data Dictionaries:
Oct 15, 1997@15:04:33

Installing Data:
Oct 15, 1997@15:04:34

Installing PACKAGE COMPONENTS:

Installing SECURITY KEY

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Installing FUNCTION
Installing INPUT TEMPLATE
Installing OPTION
      Oct 15, 1997@15:04:52
Running Post-Install Routine: ^IMRIPST
Removing Unused Data Dictionary Fields...
Deleting Unused Routines...
Deleting Unused Data...
Removing Unused Options...
Populating Data Fields in File 158...
Populating new NLF ENTRY field in File 158.9...
Removing unused File 158.96 dictionary and data...
Deleting unused input templates...
Adding VIRAL LOAD entry to File 158.95...
Queuing the IMR REGISTRY DATA option to run immediately...
Rescheduling the IMR REGISTRY DATA option...
Updating Routine file...
Updating KIDS files...
ICR - IMMUNOLOGY CASE REGISTRY 2.1 Installed.
      Oct 15, 1997@15:05.
Install Message sent #9989
Install Completed
```

Post Initialization Tasks

1. If this is a virgin installation, assign the two security keys, IMRA and IMRMGR, to the necessary users. Also, schedule the Extract Data for Immunology Study Registry [IMR REGISTRY DATA] to run daily at 6 pm or later.
2. There are no routines recommended for mapping.
3. The following globals should be journaled and appear in the UCI translation table for each CPU: IMR*
4. Move the IMR* routines onto all appropriate systems, if applicable.
5. For information on assigning menus, refer to Chapter 1 Implementation and Maintenance of the Immunology Case Registry User Manual.
6. **The ADPAC or IRMS support person should add VIRAL LOAD as a Lab test into the IMR Site Parameters (#158.9) file using the Enter/Edit Immunology Study Site Parameters [IMR SPF ENTER/EDIT] option. Also, the facility's lab file test names for viral load tests should be linked to the VIRAL LOAD Lab - Specific Test Name entry. The linking of local viral load test names is important for the package to report on viral load test results.**

File Security

NUMBER	NAME	GLOBAL NAME	DD ACC	RD ACC	WR ACC	DEL ACC	LAY ACC	AUDIT
158	IMMUNOLOGY CASE STUDY	^IMR(158,	@	@	@	@		@
158.8	IMR ACCESS VIOLATIONS	^IMR(158.8,	@	@	@	@		@
158.9	IMR SITE PARAMETERS	^IMR(158.9,	@	@	@	@	@	@
158.94	IMMUNOLOGY SPECIFIC DRUG	^IMR(158.94,	@	@	@	@	@	@
158.95	IMMUNOLOGY SPECIFIC LAB TEST	^IMR(158.95,	@	@	@	@	@	@