

**Mental Health
And
Mental Health Assistant Version 3**



Technical Manual/Security Guide

Version 1.6

March 2012

Revised June 2019

**Department of Veterans Affairs
Office of Information and Technology (OI&T)
Product Development**

Revision History

Date	Version	Change	Project Manager	Technical Writer
June 2019	1.6	Updated version for Patch 147	Aaron Lindstrom	Booz Allen SPP Project Team
September 2018	1.5	Updated version for Patch 136	Aaron Lindstrom	Booz Allen SPP Project Team
August 2018	1.4	Updated version numbers for Patch 134	Aaron Lindstrom	Booz Allen SPP Project Team
March 2018	1.3	Updated Title and Footers;	Aaron Lindstrom	Booz Allen SPP Project Team
August 2014	1.2	Updated Title page Updated Revision History, p. i-ii Updated Table of Contents, pp. iii-iv Changed ICD9 reference to ICD on page 19 .	T. Bennett, VA PM; D. Getman, HP PM	BobThomas / Ellen Phelps
29 February 2012	1.1	Added table “MHA3 Patch YS*5.01*129 exports the following folders and files” to page 14	Heather Lewis	MHE-OM Developer Team, Susan Stephens
13 February 2012	1.0	Removed “YS GAF Score Sent” from the mail group list. Final version. Peer review done and accepted	Heather Lewis	MHE-OM Team Susan Stephens
6 February 2012	0.4	Uploaded to VA SharePoint for peer review	Heather Lewis	Susan Stephens

Date	Version	Change	Project Manager	Technical Writer
2 February 2012	0.4	Content from Security Guide incorporated into document. Document renamed to reflect change.	Heather Lewis	MHE Developer Team Susan Stephens
23 January 2012	0.3	Updated by developers. Obsolete content deleted.	Heather Lewis	MHE Developer Team Susan Stephens
7 January 2012	0.2	Format Changes	Heather Lewis	Susan Stephens
7-Jul-11	0.1	Initial Draft	Heather Lewis	MHE-OM Team

(This page included for two-sided copying.)

Table of Contents

INTRODUCTION	1
OVERVIEW.....	1
SOFTWARE AND MANUAL RETRIEVAL.....	1
VISTA INTRANET	2
SCREEN DISPLAYS.....	2
IMPLEMENTATION & MAINTENANCE.....	2
MINIMUM REQUIREMENTS.....	2
ROUTINES AND CHECKSUMS	3
ROUTINE DESCRIPTIONS	4
FILES	4
FILE DESCRIPTIONS.....	6
VA FILE MANAGER ACCESS CODES	7
POINTER RELATIONS	8
EXPORTED OPTIONS.....	8
MENTAL HEALTH MENU DISTRIBUTIONS	8
CLINICAL RECORD [YSCLINRECORD].....	9
DIAGNOSIS [YSDIAG]	9
SECLUSION/RESTRAINT [YSSR SEC/RES].....	9
SECLUSION/RESTRAINT REPORT UTILITIES [YSSR REPORTS]	9
GLOBAL ASSESSMENT OF FUNCTIONING	10
MHS MANAGER	10
MENTAL HEALTH SYSTEM SITE PARAMETERS.....	10
MHA2 PSYCH TEST UTILITIES	11
SECLUSION/RESTRAINT MANAGEMENT UTILITIES	11
MHA3 UTILITIES	11
MENU DIAGRAMS.....	12
MENTAL HEALTH PROTOCOLS (FILE #101):	12

REMOTE PROCEDURE CALLS	12
DATABASE INTEGRATION AGREEMENTS	12
EXTERNAL RELATIONS.....	13
NON-M SOFTWARE DISTRIBUTED WITH MENTAL HEALTH ASSISTANT 3 (MHA3)	13
MHA3 SERVER OPTIONS	14
REMOTE SYSTEMS.....	15
MENTAL HEALTH FILE RELATIONSHIPS.....	16
MENTAL HEALTH MAIL GROUP FILE (#3.8) ENTRIES	17
ARCHIVING	18
PACKAGE SECURITY.....	18
SECURITY KEYS (FILE #19.1)	18
GLOSSARY	19
ABBREVIATIONS, ACRONYMS AND THEIR DESCRIPTIONS	22
APPENDIX A	24
<i>Files Deleted by Mental Health Patch 60.....</i>	<i>24</i>
<i>Options Deleted by Mental Health Patch 60.....</i>	<i>24</i>
<i>Routines Deleted by Mental Health Patch 60.....</i>	<i>27</i>

Introduction

The Mental Health Technical Manual V. 5.01 is designed as a reference manual to provide a technical description of the Mental Health package for the Department of Veterans Affairs Medical Center (VAMC) Information Resource Management Service (IRMS), Automated Data Processing Application Coordinators (ADPAC), and Clinical Coordinators. For more information regarding options and menus, please see the Mental Health User Manual V. 5.01.

Overview

The Mental Health V. 5.01 package is designed to provide a means of rapidly gathering, storing, and reporting clinical information for patients receiving mental health treatment and /or assistance with vocational issues. The clinical information stored in the VistA database is readily accessible to clinical staff throughout the various Mental Health Treatment Service areas and other clinics in the Medical Center. It can also be sent to enterprise storage facilities such as the Austin Information Technology Center (AITC).

Software and Manual Retrieval

The following software and documentation files are exported as part of Mental Health patch YS*5.01*147:

File Name	Contents	Format
YS_501_147.KID	MHA Server Components	PACKMAN
YS_501_147_IG.PDF	YS_MHA3 Installation Guide	Binary
YS_MHA_UM.PDF	YS_MHA3 User Manual	Binary
YS_MHA_TM.PDF	YS_MHA3 Technical Manual /Security Guide	Binary

The software files are available on the following OI Field Offices' [ANONYMOUS.SOFTWARE] directories. Use the following FTP address to connect to the first available FTP server:

download.vista.med.va.gov

OI FIELD OFFICE	FTP ADDRESS	DIRECTORY
HINES	fo-hines.med.va.gov	[ANONYMOUS.SOFTWARE]

SALT LAKE CITY	fo-slc.med.va.gov	[ANONYMOUS.SOFTWARE]
----------------	--	----------------------

VistA Intranet

Refer to the Web sites listed below when you want to receive more background and technical information about the Mental Health package v 5.01, and to download this manual and related documentation.

Online Documentation for this product is available at: <http://www.va.gov/vdl/>. This website is the VistA Documentation Library (VDL), which has a listing of all the software manuals for VistA. Click on the Mental Health link, and it will take you to the Mental Health v 5.01 documentation.

Screen Displays

Before installing Mental Health package v 5.01, review this section to learn the many conventions used throughout this guide.

- **Keyboard Responses:** Keys provided in boldface, within the copy, help you quickly identify what to press on your keyboard to perform an action. For example, when you see **enter** in the copy, press this key on your keyboard.
- **Screen Captures:** Provide “shaded” examples of what you will see on your computer screen, and possible user responses. The computer dialogue appears in Courier font.
- **Notes:** Provided within the steps describe exceptions or special cases about the information presented. They reflect the experience of our staff, developers, and testers.

Note: This *boxed* element highlights special details about the current topic.

- **Other Names:** File and field names, and Security keys provided in uppercase. For example, you may select a patient's name from the PATIENT file (#2).
- **Menu Options:** Provided in italics. For example, you may establish Electronic Signatures Codes using the Kernel Electronic Signature code Edit [XUSESIG] option.

Implementation & Maintenance

Minimum Requirements

Before installing Mental Health package v 5.01, make sure that your system includes the following Department of Veterans Affairs (VA) software packages and versions (those listed or higher).

Application Name	Minimum Version Needed
------------------	------------------------

CPRS	31 A
Clinical Reminders	2.0
Kernel	8.0
RPC Broker	1.1
PIMS	5.3
VA FileMan	22.0
Mailman	8.0

Routines and Checksums

The Calculate and Show Checksum Values [XTSUMBLD-CHECK] menu option can be used as shown below to display a list of checksums for Mental Health package V. 5.01. The Mental Health routines are in the YS* and YT* namespaces.

Select Programmer Options Option: Calculate and Show Checksum Values
This option determines the current Old (CHECK^XTSUMBLD) or New (CHECK1^XTSUMBLD) logic checksum of selected routine(s).

Select one of the following:

- 1 Old
- 2 New

New or Old Checksums: New// 2 New

New CheckSum CHECK1^XTSUMBLD:

This option determines the current checksum of selected routine(s).
The Checksum of the routine is determined as follows:

1. Any comment line with a single semi-colon is presumed to be followed by comments and only the line tag will be included.
2. Line 2 will be excluded from the count.
3. The total value of the routine is determined (excluding exceptions noted above) by multiplying the ASCII value of each character by its position on the line and position of the line in the routine being checked.

Select one of the following:

- P Package
- B Build

Build from: Build

This will check the routines from a BUILD file.

```
Select BUILD NAME: YS*5.01*147      MENTAL HEALTH
YS147PST  value = 1460614
YTQAPI2D  value = 7153551
YTSBS24P  value = 6225923
YTSCES    value = 12449983
YTSFTND   value = 6748082
YTSIJSS   value = 16509466
YTSMPIPN  value = 4553724
```

Routine Descriptions

To obtain a brief description for all Mental Health routines, use the First Line Routine Print [XU FIRST LINE PRINT] menu option. Including the second line in the report will show which patches have made changes to the routine. This menu option is part of Programmer Options [XUPROG] on the Routine Tools [XUPR-ROUTINE-TOOLS] menu.

Files

The following is a listing of the files exported with Mental Health package v. 5.01:

File Number	File Name	Global
601	MH Instrument	^YTT(601,
601.2	PSYCH INSTRUMENT PATIENT	^YTD(601.2,
601.3	COPYRIGHT HOLDER	^YTT(601.3,
601.4	INCOMPLETE PSYCH TEST PATIENT	^YTD(601.4,
601.6	MH MULTIPLE SCORING	^YTT(601.6,
601.71	MH TESTS AND SURVEYS	^YTT(601.71,
601.72	MH QUESTIONS	^YTT(601.72,
601.73	MH INTRODUCTIONS	^YTT(601.73,
601.74	MH RESPONSE TYPES	^YTT(601.74,
601.75	MH CHOICES	^YTT(601.75,
601.751	MH CHOICETYPES	^YTT(601.751,
601.76	MH INSTRUMENT CONTENT	^YTT(601.76,
601.77	MH BATTERIES	^YTT(601.77,

601.78	MH BATTERY CONTENTS	^YTT(601.78,
601.781	MH BATTERY USERS	^YTT(601.781,
601.79	MH SKIPPED QUESTIONS	^YTT(601.79,
601.81	MH SECTIONS	^YTT(601.81,
601.82	MH RULES	^YTT(601.82,
601.83	MH INSTRUMENTRULES	^YTT(601.83,
601.84	MH ADMINISTRATIONS	^YTT(601.84,
601.85	MH ANSWERS	^YTT(601.85,
601.86	MH SCALEGROUPS	^YTT(601.86,
601.87	MH SCALES	^YTT(601.87,
601.88	MH DISPLAY	^YTT(601.88,
601.89	MH CHOICEIDENTIFIERS	^YTT(601.89,
601.91	MH SCORING KEYS	^YTT(601.91,
601.92	MH RESULTS	^YTT(601.92,
601.93	MH REPORT	^YTT(601.93,
601.94	MH CR SCRATCH	^YTT(601.94,
603.01	CLOZAPINE PATIENT LIST	^YSCL(603.01,
603.02	CLOZAPINE LAB TEST	^YSCL(603.02,
603.03	CLOZAPINE PARAMETERS	^YSCL(603.03,
603.04	CLOZAPINE TESTS	^YSCL(603.04,
604	ADDICTION SEVERITY INDEX	^YSTX(604,
604.26	ASI PROGRAM TYPE	^YSTX(604.26,
604.3	ASI LEGAL CODE	^YSTX(604.3,
604.4	ASI LIVING ARRANGEMENTS	^YSTX(604.4,
604.45	ASI PATIENT RATING SCALE	^YSTX(604.45,

604.48	ASI ROUTE OF ADMINISTRATION	^YSTX(604.48,
604.5	ASI FAMILY HX CODES	^YSTX(604.5,
604.55	ASI FOLLOW UP	^YSTX(604.55,
604.66	ASI QUICK FORM	^YSTX(604.66,
604.68	ASI NARRATIVE	^YSTX(604.68,
604.77	ASI SUBSTANCE CODE	^YSTX(604.77,
604.8	ASI PARAMETERS	^YSTX(604.8,
615.2	SECLUSION/RESTRAINT	^YS(615.2,
615.5	S/R REASONS	^YSR(615.5,
615.6	S/R CATEGORY	^YSR(615.6,
615.7	S/R RELEASE CRITERIA	^YSR(615.7,
615.8	S/R ALTERNATIVES	^YSR(615.8,
615.9	S/R OBSERVATION CHECKLIST	^YSR(615.9,
627.7	DSM	^YSD(627.7,
627.8	DIAGNOSTIC RESULTS MENTAL HEALTH	^YSD(627.8,
627.9	DSM MODIFIERS	^DIC(627.9,

File Descriptions

For a complete description of each file and fields, use the List File Attributes [DILIST] option of the VA File Manager. See the list above for the file names and numbers.

VA File Manager Access Codes

This list shows all Mental Health package files and their VA File Manager access codes.

YGO		DD	RD	WR	DEL	LA
FILE	NUMBER	ACCESS	ACCESS	ACCESS	ACCESS	
ACCESS						

MH INSTRUMENT	601	@	Y	Y	Y	Y
PSYCH INSTRUMENT PATIENT	601.2.	@	Y	Y	Y	Y
COPYRIGHT HOLDER	601.3.	@	Y	Y	Y	Y
INCOMPLETE PSYCH TEST PATIENT	601.4.	@	Y	Y	Y	Y
MH MULTIPLE SCORING	601.6	@	@	@	@	@
MH TESTS AND SURVEYS	601.71	@	@	@	@	@
MH QUESTIONS	601.72	@	@	@	@	@
MH INTRODUCTIONS	601.73	@	@	@	@	@
MH RESPONSE TYPES	601.74	@	@	@	@	@
MH CHOICES	601.75	@	@	@	@	@
MH CHOICETYPES	601.751	@	@	@	@	@
MH INSTRUMENT CONTENT	601.76	@	@	@	@	@
MH BATTERIES	601.77	@	@	@	@	@
MH BATTERY CONTENTS	601.78	@	@	@	@	@
MH BATTERY USERS	601.781	@	@	@	@	@
MH SKIPPED QUESTIONS	601.79	@	@	@	@	@
MH SECTIONS	601.81	@	@	@	@	@
MH RULES	601.82	@	@	@	@	@
MH INSTRUMENTRULES	601.83	@	@	@	@	@
MH ADMINISTRATIONS	601.84	@	@	@	@	@
MH ANSWERS	601.85	@	@	@	@	@
MH SCALEGROUPS	601.86	@	@	@	@	@
MH SCALES	601.87	@	@	@	@	@
MH DISPLAY	601.88	@	@	@	@	@
MH CHOICEIDENTIFIERS	601.89	@	@	@	@	@
MH SCORING KEYS	601.91	@	@	@	@	@
MH RESULTS	601.92	@	@	@	@	@
MH REPORT	601.93	@	@	@	@	@
MH CR SCRATCH	601.94	@	@	@	@	@
CLOZAPINE PATIENT LIST	603.01	-----NONE-----				
CLOZAPINE LAB TEST	603.02	@	@	@	@	@
CLOZAPINE PARAMETERS	603.03	@	@	@	@	@
CLOZAPINE TESTS	603.04	-----NONE-----				
ADDICTION SEVERITY INDEX	604	-----NONE-----				
ASI PROGRAM TYPE	604.26	-----NONE-----				
ASI LEGAL CODE	604.3	-----NONE-----				
ASI LIVING ARRANGEMENTS	604.4	-----NONE-----				
ASI PATIENT RATING SCALE	604.45	-----NONE-----				
ASI ROUTE OF ADMINISTRATION	604.48	-----NONE-----				
ASI FAMILY HX CODES	604.5	-----NONE-----				
ASI FOLLOW UP	604.55	-----NONE-----				
ASI QUICK FORM	604.66	-----NONE-----				

ASI NARRATIVE	604.68	-----NONE-----				
ASI SUBSTANCE CODE	604.77	-----NONE-----				
ASI PARAMETERS	604.8	-----NONE-----				
SECLUSION/RESTRAINT	615.2.	@	Y	Y	Y	Y
S/R REASONS	615.5.	@	Y	Y	Y	Y
S/R CATEGORY	615.6.	@	Y	Y	Y	Y
S/R RELEASE CRITERIA	615.7.	@	Y	Y	Y	Y
S/R ALTERNATIVES	615.8.	@	Y	Y	Y	Y
S/R OBSERVATION CHECKLIST	615.9.	@	Y	Y	Y	Y
DSM	627.7	-----NONE-----				
DIAGNOSTIC RESULTS - MENTAL HEALTH	627.8.	@	Y	Y	Y	Y
DSM-III-R MODIFIERS	627.9.	@	Y	@	@	@

Pointer Relations

Use the Map Pointer Relations [DI DDMAP] option to create a visual representation of the file pointer relationships.

Exported Options

The menu and options exported by the Mental Health package V. 5.01 are located in the YS* and YT* namespaces. Individual options can be viewed by using the Kernel option XUINQUIRE (Inquire).

Mental Health Menu Distributions

The following is a display of the options in the Mental Health V. 5.01 package.

Mental Health [YSUSER] Menu

The Mental Health [YSUSER] menu is the Mental Health package primary menu. This menu contains two options.

After you select the Mental Health [YSUSER] menu, you will see a display similar to the one below. Assignment of privileges will determine what options are available for your use.

```

** Mental Health version 5.01 **

1      Clinical Record ...
6      Global Assessment of Functioning ...

```

Each of the options listed submenus that lead to other options and menus. These are described below.

NOTE: Functionality within some options is controlled by security keys. See the Security Key section for a complete description of the keys.

Clinical Record [YSCLINRECORD]

The Clinical Record [YSCLINRECORD] menu includes options and menus that allow you to access and input patient data.

```
*** MENTAL HEALTH ***
      CLINICAL RECORD

3      Diagnosis ...
13     Seclusion/Restraint ...
```

Diagnosis [YSDIAG]

```
1      Enter Diagnosis
2      Print Diagnoses
3      Print DXLS History
```

Seclusion/Restraint [YSSR SEC/RES]

The Seclusion/Restraint [YSSR SEC/RES] menu includes options for information regarding seclusion/restraint. If there are patients in the Seclusion /Restraint files, you will see the following heading above the menu.

The following patient(s) are currently listed as being in Seclusion/Restraint:

PATIENT	SSN	DATE & TIME INITIATED	ORDERED BY	TOTAL TIME
=====				

YSPATIENT,ONE	xxxx	* JAN 21, 2012@14:42	YSPROVIDER,ONE	2400:7
---------------	------	----------------------	----------------	--------

* Written order required.

```
1      Entry of Patient to Seclusion/Restraint
2      Release of Patient from Seclusion/Restraint
3      Fifteen-Minute Check
4      Seclusion/Restraint Report Utilities ...
```

Seclusion/Restraint Report Utilities [YSSR REPORTS]

The Seclusion/Restraint Report Utilities [YSSR REPORTS] menu includes options to display Seclusion/Restraint information in various formats.

```
1      MONTHLY..Monthly Report (VA Form 10-2683)
```

- 2 PATIENT..S/R Mgmt Report by Patient Episode
- 3 DATE.....S/R Mgmt Report by Date
- 4 NURSING..S/R Mgmt Report by Nursing Shift
- 5 REVIEW...S/R Mgmt Report of Review Actions
- 6 WARD.....S/R Mgmt Ward Report

Global Assessment of Functioning

The Global Assessment of Functioning [YSGAF MAIN] menu is the top menu to enter, graph and print GAF scores. These scores are equivalent to the DSM IV Axis 5 diagnosis.

- 1 Enter GAF by Clinic Visit
- 2 Print GAF's by Clinic/Date
- 3 Single Patient GAF Entry
- 4 Historical GAF listing
- 5 Edit/mark errors on GAF

MHS Manager

The MHS Manager [YSMANAGER] menu is exported with the Mental Health package; it is typically assigned to a user's secondary menu. This menu provides managerial utilities such as the Psychological Test Utilities that should be assigned only to individuals who are responsible for maintaining the Mental Health software.

- ```

*** MENTAL HEALTH ***
MHS MANAGER FUNCTIONS

2 Mental Health System site parameters ...
3 MHA2 Psych test utilities ...
5 Seclusion/Restraint Management Utilities ...
7 MHA3 Utilities ...

```

## Mental Health System site parameters

The Mental Health System site parameters [YS SITE PARAMETERS] menu includes options for use by the Mental Health Application Coordinator. Through it, site-specific files are maintained by the coordinator.

- ```

REASONS.....Edit S/R Reasons File
CATEGORY.....Edit S/R Category File
RELEASE.....Edit S/R Release Criteria File
ALTERNATIVES.Edit S/R Alternatives File
CHECKLIST....Edit S/R Checklist File
INSTRUMENT...Edit Instrument Restart Day Limit

```

MHA2 Psych test utilities

The MHA2 Psych test utilities [YSUTIL] menu includes options to access the psych testing utilities options. This is a legacy option and does not affect MHA3.

```
*** LEGACY Mental Health ***  
MHA2 Utilities
```

- 2 Audit test/interview data
- 3 Check Psych Data Base
- 6 Delete Patient Data
- 7 Print test/interview items
- 8 Delete incomplete tests/interviews

Seclusion/Restraint Management Utilities

Seclusion/Restraint Management Utilities [YSSR MGT UTILITY] menu contains options required for the management of the Seclusion/Restraint features.

```
MHS Manager Functions
```

- 1 Review of Seclusion/Restraint Action
- 2 Written Order Edit
- 3 Edit Seclusion/Restraint Entry
- 4 Delete Seclusion/Restraint Entry

MHA3 Utilities

The MHA3 Utilities [YTQ MHA3 MENU] menu includes options for MHA3 settings and utilities.

```
*** Mental Health ***  
MHA3 Utilities
```

- 1 Print Test Form
- 2 Detailed Definition
- 3 Delete Patient Data
- 4 Stop/Re-Start Progress Notes for an Instrument
- 5 Exempt Test
- 6 Test Usage
- 7 XML Output
- 8 Instrument Exchange

Menu Diagrams

The options comprising the Mental Health package are arranged on menus according to functionality. The Mental Health [YSUSER] option is used by most Mental Health package users. The MHS Manager [YSMANAGER] menu is for supervisors. Use the Menu Diagrams [XQDIAGMENU] option to create a visual representation of the menu structure.

Mental Health Protocols (file #101):

YS GAF	YS GAF A08 SERVER
YS GAF A08 CLIENT	YS GAF A08 CLENT
YS MHA A08 CLIENT	YS MHA A08 CLIENT
YS MHA A08 EVENT	

Used by List Manager for Exchange Utility --

YTXCHG BROWSE SPEC	Browse Specification
YTXCHG CREATE ENTRY	Create New Entry
YTXCHG DELETE ENTRY	Delete Entry
YTXCHG DRYRUN	Trial Install <Dry Run>
YTXCHG INSTALL	Install Exchange Entry
YTXCHG LOAD HOST	Load Host File
YTXCHG LOAD URL	Load from URL
YTXCHG MAIN MENU	Instrument Exchange Menu
YTXCHG REBUILD ENTRY	Rebuild Entry
YTXCHG SAVE HOST	Create Host File

Remote Procedure Calls

The Mental Health V. 5.01 Remote Procedure Calls (RPC'S) are in the YS* and YT* namespaces. Use the FileMan Print functionality to find and display the entries in the REMOTE PROCEDURE file (#8994).

Database Integration Agreements

To view the details of a Database Integration Agreements (DBIA) use the VA Forum option “Inquire to an Integration Control Registration” to display the DBIAS where the Mental Health package is the custodial or the subscribing package.

External Relations

The VistA Mental Health Assistant (MHA) is the graphical user interface (GUI) for the VistA Mental Health package. MHA was developed to create an effective and efficient tool for all clinicians and their patients to use for the administration and scoring of assessment instruments and interviews. Additionally, results are displayed in report and graphical formats. MHA supports mental health assessments (e.g., psychological testing, structured interviews, questionnaires, etc.) that are not available elsewhere in the Computerized Patient Record System (CPRS)/Veterans Information System and Technology Architecture (VistA).

To better meet the needs of clinicians and patients in different treatment programs, particularly in non-traditional settings, MHA can now be run in a standalone mode to administer instruments offline for later uploading to VistA. For detailed instructions and requirements installing and implementing the MHA Graphical User Interface (GUI) software application, see the MHA3 Installation Guide.

Non-M Software Distributed with Mental Health Assistant 3 (MHA3)

Here are typical examples of the storage locations for the MHA3 files (executable, DLL and other supporting files) installed on a workstation:

```
C:\Program Files\Vista\YS\MHA3
```

```
YS_MHA.exe           (From Patch YS*5.01*123)
YS_MHA.HLP           (From Patch YS*5.01*85)
YS_MHA.JCF           (From Patch YS*5.01*85)
Borlndmm.dll         (From Patch YS*5.01*123)
Uninst000.dat
uninst000.exe
```

```
C:\Program Files\Vista\Common Files
```

```
YS_MHA_A.dll
YS_MHA_AUX.dll
```

MHA3 Patch YS*5.01*147 exports the following folders and files:

FILE NAMES	CONTENTS	RETRIEVAL FORMATS
YS_501_147.KID	MHA Server Components	packman
YS_501_147_IG.pdf	Mental Health Assistant Version 3 (MHA3) Installation Guide Patch YS*5.01*147	BINARY
YS_MHA_UM.pdf	Mental Health Assistant Version 3 (MHA3) User Manual Patch YS*5.01*147	BINARY
YS_MHA_TM.pdf	Mental Health Assistant Version 3 (MHA3) Technical Manual Patch YS*5.01*147	BINARY

Mental Health Remote Procedure Context Option

The OPTION file (#19) entry “**YS BROKER1 version 1.0.3.45~1.0.3.45~1.0.3.45**” [YS BROKER1] provides the context necessary to interface the **VistA** Mental Health Assistant Version 3 application to the VistA database via Remote Procedure Calls (RPC's).

MHA3 Server Options

The server options being used in the Mental Health package V. 5.01:

Clozapine Data Server [YSCLSERVER]

DESCRIPTION: This is a server to allow the National Clozapine Coordinating Center (NCCC) in Dallas to authorize Clozapine registration numbers for use at individual sites.

ROUTINE: YSCLSERV

SERVER ACTION: RUN IMMEDIATELY

Mental Health Test Usage Server [YS TEST USAGE]

DESCRIPTION: Used by the National Mental Health Strategic Healthcare Group to determine the annual psychological test usage by site. This option reports the number of each test by station within any given time period.

The MAILMAN message must be in FILEMAN date format 3031001^3040930

ROUTINE: YSTUSE

SERVER ACTION: RUN IMMEDIATELY

Server test usage MHA3 stats [YTQTUSE]

DESCRIPTION: *** MHA3 *** Used by the National Mental Health Strategic Healthcare Group to determine the annual psychological test usage by site. This option reports the number of each test by station within any given time period.

The MAILMAN message must be in FILEMAN date format 3031001^3040930

ROUTINE: YTQTUSE

SERVER ACTION: RUN IMMEDIATELY

Remote Systems

All Global Assessment of Functioning (GAF) scores entered through the Mental Health GAF form are dynamically sent to the National Patient Care Database (NPCD) at the Austin Information Technology Center (AITC).

Mental Health Entries in the HL LOGICAL LINK file (#870):

YS GAF-SND	LLP TYPE: MAILMAN
DEVICE TYPE: N	
TIME STOPPED: MAR 16, 2011@15:49:59	SHUTDOWN LLP ?: YES
MESSAGE NUMBER: 1	STATUS: PENDING

Mental Health entries in the HL7 APPLICATION PARAMETER file (#771):

NAME: YS GAF	ACTIVE/INACTIVE: ACTIVE
MAIL GROUP: YS GAF TO NPCD	
COUNTRY CODE: USA	

NAME: YS MHA	ACTIVE/INACTIVE: ACTIVE
MAIL GROUP: YS MHA-MHNDB	
COUNTRY CODE: USA	HL7 ENCODING CHARACTERS: ~^\&
HL7 FIELD SEPARATOR:	
HL7 MESSAGE: ADT	PROCESSING ROUTINE:
ACKMHA^YTQHL7	
HL7 SEGMENT: PID	FIELDS USED IN THIS SEGMENT:
1,2	
HL7 SEGMENT: MSH	FIELDS USED IN THIS SEGMENT: 1
HL7 SEGMENT: MSA	
FIELDS USED IN THIS SEGMENT: 1,3,7,8,9,10	

Mental Health File Relationships

Files accessed by the Mental Health package V. 5.01:

File #	File Name	Package	Agreement Status
.5	FUNCTION file	KERNEL	Supported reference
2	PATIENT file	REGISTRATION	Read Only, Supported reference & DBIA #87
3.1	TITLE file	KERNEL	Pointed to by File #200, Read only Reference
4	INSTITUTION file	KERNEL	Supported reference, Read only
5	STATE file	KERNEL	Supported reference, Read only
8	ELIGIBILITY CODE	REGISTRATION	DBIA #87
13	RELIGION	REGISTRATION	DBIA #277
19.1	SECURITY KEY	MENU DRIVER	Supported reference
22	POW PERIOD	REGISTRATION	DBIA #277
23	BRANCH OF SERVICE	REGISTRATION	DBIA #277
24	NON-VETERAN CLASS	REGISTRATION	DBIA #277
25	TYPE OF DISCHARGE	REGISTRATION	DBIA #277
31	DISABILITY CONDITION	REGISTRATION	DBIA #277
35	OTHER FEDERAL AGENCY	REGISTRATION	DBIA #277
36	INSURANCE COMPANY	REGISTRATION	DBIA #277
37	DEPOSITION	REGISTRATION	DBIA #277
41.1	SCHEDULED ADMISSION	REGISTRATION	DBIA#87
41.9	CENSUS file	SCHEDULING	DBIA #47
42	WARD LOCATION file	SCHEDULING	Support reference, Read only
42.4	SPECIALITY file	REGISTRATION	DBIA #277

44	HOSPITAL LOCATION	SCHEDULING	Support reference, Read only
45	PTF (Patient Treatment file	DRG GROUPER REGISTRATION	DBIA #27 & #87 Support reference
45.7	TREATING SPECIALTY file	REGISTRATION	DBIA #277
50	DRUG file	OUTPATIENT PHARMACY	DBIA #221
52	PRESCRIPTION file	OUTPATIENT PHARMAHCY	DBIA #276
52.5	RX SUSPENSE file	OUTPATIENT PHARMACY	DBIA #276
55	PHARMACY PATIENT file	OUTPATIENT PHARMACY	DBIA #276
80	ICD DIAGNOSIS file	DRG	Support reference, Read only
80.1	ICD OPERATION/PROCEDURE	DRG	Support reference, Read only
200	NEW PERSON file	KERNEL	Support reference
211.6	NURSTOUR of DUTY file	NURSING	DBIA #278
405	PATIENT MOVEMENT	PIMS	Support reference
801.41	REMINDER DIALOG	Clinical Reminders	Supported reference
801.43	REMINDER FINDING ITEM PARAMETER	Clinical Reminders	Supported reference

Mental Health MAIL GROUP file (#3.8) Entries

YS ASI PERFORMANCE MEASURES - Members of this mail group will be used to receive the ASI Case Finder Report.

YS GAF TO NPCD - This mail group is being used by Mental Health to transmit data to the National Patient Care Database via HL7.

REMOTE MEMBER: XXX@Q-NPT.MED.VA.GOV

YS GAF TRANSMISSION ACK - This mail group will receive a message when a GAF score is transmitted to the National Patient Care Database or an error in the transmission has occurred.

YS MHA-MHNDB - This group receives error messages from the HL7 system when problems arise, sending messages to the Mental Health National database.

YS PSYCHTEST - Used to notify clinicians when tests and interviews are administered to patients at the requests of someone other than the person administering the test.

Archiving

Data archiving capabilities are not currently available for the Mental Health package.

Package Security

Security in this package is controlled almost exclusively by the menu option that is assigned to a person.

Deletion of entries in many Mental Health files is prohibited under ordinary conditions.

Security Keys (file #19.1)

Allocate the following security keys to appropriate site personnel:

Name	Description
YSCL AUTHORIZED	- The presence of this key designates an authorized Clozapine Provider.

YSD - Allows verification of ICD diagnoses. This is a clinical privilege. The chief of psychiatry will determine who may have this key.

YSP - Provides access to psychological test options. The Chief of Psychology Service will determine who may have this key.

YSQ - Allows verification of DSM-III diagnoses. The Chiefs of Clinical Services will determine who may have this key.

YSZ - Allows Mental Health technicians/aides to queue tests/interviews after completion.

Glossary

This glossary contains definition of terms and abbreviations that may not be familiar to all users. Basic terms, acronyms, and phrases that are used throughout the Vista environment are included.

Term	Definition
@	The at symbol (@) is used to delete an entry in a FileMan file.
ADT	ADMISSIONS DISCHARGES, and TRANSFERS (part of the PIMS package).
ABBREVIATED RESPONSE	Data entry by typing only the first few characters for the desired response. This feature will not work unless the information is already stored in the computer.
AXIS 4	A numeric representation of the severity of psychological stressors.
AXIS 5	A numeric representation of the global assessment of functioning. AXIS 5 is a clinician's overall judgment of a patient's social/psychological and occupational functioning on a continuum of mental health-illness.
CRISIS NOTES	A note containing patient information that displays automatically wherever the patient's name is entered into the system.
CROSS-REFERENCE	An index of file entries. For a description see the VA File Manager documentation.
DEFAULT	A response the considered the most probable answer to the prompt being displayed. A default is identified by two slash marks (/) immediately following the computer-displayed response. You may accept the default answer by pressing the ENTER (or RETURN) key. To change the default answer, type in your response.
DELETE	The key on your keyboard that enables deletion of individual characters. Place the CURSOR immediately after the last character of the string of characters you wish to delete and press the DELETE or RUBOUT key.
DRG	DIAGNOSIS RELATED GROUP is a prospective payment system, based on a complex set of criteria, which established a reimbursement fee determined by the primary diagnosis. Each diagnosis is assigned a DRG number.

DUZ	A user identification number assigned by VistA. It is the IEN of the NEW PERSON file (#200).
DX	Diagnosis.
DXLS	Diagnosis Length of Stay. The diagnosis most responsible for the patient's length of stay during the current admission.
ENTER	Press the RETURN or ENTER key to instruct the system to store the information you just entered.
FIELD	A FIELD is similar to questions on a questionnaire. It is a statement that requests information. Your response is the value entered into that field. For example, the prompt, "DOB" is a field in which you enter your birth date.
GLOBAL VARIABLE	Usually referred to as a global. A disc-resident structure (e.g. ^YTT(601), used to store data in the VistA database.
HELP	Assistance displayed on your terminal screen. The HELP function displays menus and describes options. To obtain HELP, enter 1-4 question marks in response to a prompt. The level of help you receive increases with the number of question marks you enter.
IEN	The INTERNAL ENTRY NUMBER of a record in a File Manager file.
KERNEL	The VA kernel is the software suite that integrates the operating system with other software applications such as Mental Health, Laboratory, and Pharmacy.
LOS	Length of stay.
LEVEL	Patients are assigned a LEVEL, a scaled position. The definition of each level is up to the local station. For example, a level 1 patient may require staff supervision when involved in off-ward activities, whereas, a level 2 patient may leave the ward when accompanied by a level 3 patient.
MASTER TREATMENT PLAN	The comprehensive Treatment Plan for the TREATMENT of an individual patient during each hospitalization. The plan is reviewed at regular intervals and adjusted to accommodate the needs of the patient.
MH	Mental Health
MENU	A list of options that may include submenus or options.
NOK	Next of kin.

ONSET	The beginning of a symptom or disease.
OPTION NAME	The formal name of an option. By convention, it is displayed in brackets and is the .01 field of the OPTION file (#19).
PATIENT MESSAGE	Information concerning a patient that is not part of the permanent clinical record. If a message has been entered for a patient, a notation indicating that a PATIENT MESSAGE exists is displayed every time the patient's name is entered into the system. A Patient Message may be transferred to a Progress Note where, it becomes part of the permanent clinical record.
PRIMARY	The condition that is chiefly responsible for the DIAGNOSIS the patient's treatment.
PRIORITY CATEGORY	Codes used to denote the order in which a patient's acceptance into a program or clinic is determined.
PROGRESS NOTES	A note containing information concerning a patient. There are numerous kinds of progress notes such as admission, discharge, pre-operative, social work, nursing, etc. A progress note is included in the patient's permanent clinical record.
PSYCHOSIS	Gross impairment in reality testing.
PROMPT	The system interacts with the user by issuing questions and statements called PROMPTS, and the user enters a response.
SIGNATURE BLOCK	Used with electronic signatures. A SIGNATURE BLOCK indicates the author's complete name and title.
SSN	Social Security Number.
TEAM	An organizational sub-unit of a ward which is often composed of residents, medical students, psychologists, social workers, nurses, etc.
VA FileManager	The database management system (DBMS) used by Vista. It is often referred to as FileMan.
VERIFY CODE	An additional security precaution used in conjunction with ACCESS CODE. Like the access code, it is also 6-11 digits in length and if entered incorrectly, the user is not allowed access to the computer. Both codes are invisible on the terminal screen to provide user-protection.

Abbreviations, Acronyms and Their Descriptions

Abbreviation or Acronym	Description
API	Application Programmer Interface
AITC	Austin Information Technology Center
ARTS	Adverse Reaction Tracking
CPRS	Computerized Patient Record System
DFN	Internal entry number of a record in the PATIENT file (#2). DFN is the name of a local variable.
DVA	Department of Veterans Affairs
FDA	Food and Drug Administration
GUI	Graphical User Interface
HL7	Health Level 7 (a data-transmission protocol).
HSD&D	Health System Design and Development
ICN	Integration Control Number, or national VA patient record number
IEN	Internal Entry Number (of a record in a FileMan file).
IMG	Information Management Group
IRM	Information Resource Management
KIDS	Kernel Installation and Distribution System
M	Alternate name for MUMPS
MHA	Mental Health Assistant
MUMPS	Massachusetts General Hospital Utility Multiprogramming System
OINT	Office of Information National Training and Education Office
PCE	Patient Care Encounter

PIMS	Patient Information Management Systems
PMO	Project Management Office
PTF	Patient Treatment File
SI	System Implementation
SPP	Suicide Prevention Project
VA	Department of Veteran Affairs
VERA	Veterans Equitable Resource Allocation
VHA	Veterans Health Administration

APPENDIX A

The Mental Health package contains a number of software elements that were deprecated (marked as obsolescent) in 2004 or earlier. These software components are deleted or disabled in Mental Health Patch 60 (YS*5.01*60). The following is a description of those items which will become obsolete with the release of Patch 60.

The obsolete software may contain scoring algorithms that are no longer correct, outdated data structures, and code that doesn't meet current VA software standards and conventions.

Files Deleted by Mental Health Patch 60

File Name	File #	Global Location
MEDICAL RECORD	90	^MR (
PT. TEXT	99	^PTX (
CRISIS NOTE DISPLAY	600.7	^YSG("CNT",
MH TEXT	605	^YTX (
MH CLINICAL FILE	615	^YS(615,
MH WAIT LIST	617	^YSG("WAIT",
MENTAL HEALTH CENSUS	618	^YSG("CEN",
MENTAL HEALTH TEAM	618.2	^YSG("SUB",
MENTAL HEALTH INPT	618.4	^YSG("INP",
PROBLEM	620	^DIC(620,
JOB BANK	624	^YSG("JOB",
INDICATOR	625	^DIC(625,
DSM3	627	^DIC(627,
DSM-III-R	627.5	^DIC(627.5,
DSM CONVERSION	627.99	^YSD(627.99,
YSEXPRT	628	^YS(628,

Options Deleted by Mental Health Patch 60

1. YS SITE-FILE 16 - SIGNATURE....Edit Signature Block Title
2. YS SITE-FILE 602 TEST LIM - INSTRUMENT...Edit Instrument Restart Day Limit
3. YS SITE-FILE 602 WWU - WWU.....Edit Weighted Work Unit (WWU)
4. YSADMTEST - Psychological tests/interviews (administer)
5. YSAPROB - Add a new problem
6. YSAS CASE FINDER - ASI Case Finder
7. YSAS FOLLOWUP FINDER - ASI Followup Finder
8. YSCENCAD - Cancel a MH Census Discharge
9. YSCENCL - Custom List

10. YSCENCRISIS - Crisis notes and Messages
11. YSCENDAYHX - Previous Admissions by Date
12. YSCENDCDOC - Discharge Comments Entry
13. YSCENDIA - Active Diagnoses
14. YSCENED - Enter/Edit Current Inpatient Data
15. YSCENEDM - Enter/Edit MH Inpatient Data
16. YSCENFS - Census
17. YSCENGED - Group Data Entry/Edit
18. YSCENIL - Individual Patient List
19. YSCENLOS - Current Inpatient Days
20. YSCENMAIN - Inpatient Features
21. YSCENMEDS - Outpatient Medications
22. YSCENMGR - Inpatient Features management functions
23. YSCENNAM - Name Search
24. YSCENNEW - Recent Admissions
25. YSCENPAHX - Individual Data Look Up
26. YSCENPASS - Pass/Last Transfer List
27. YSCENPL - Patient Lists
28. YSCENPP - Patient Profile Data
29. YSCENREM - Graph of Patients Remaining
30. YSCENROT - Rotation of Teams
31. YSCENSL - Short Patient List
32. YSCENSUBUP - Team Definition
33. YSCENTAH - Team Admissions Record
34. YSCENTCEN - Team Census
35. YSCENTESTING - Psychological Tests and Interviews
36. YSCENTMHX - Ward/Team History - LOS, DRG and DXLS
37. YSCENTPTE - Treatment Plan Tracking data entry
38. YSCENTPTP - Treatment Plan Tracking Report
39. YSCENUNITUP - Ward Definition
40. YSCENUNT - Group Data Lookup
41. YSCENWDM - Statistics
42. YSCENWL - Work List
43. YSCLERK - Clerk-entered tests
44. YSCOMMENT - Append comments to tests and interviews
45. YSCRISNOT - Crisis note
46. YSDECTREES-R - Decision Tree Shell
47. YSDIRTEST - Staff entry of tests/interviews
48. YSEPROB - Edit a problem
49. YSEXTESTS - Exempt psychological tests
50. YSFPROB - Formulate new problem list
51. YSGAF CASE FINDER - GAF Case Finder
52. YSHX1 - History - present illness
53. YSHXPAST - Past medical history
54. YSHXPASTR - Past medical history (results of pt. report)
55. YSINST RESTART LIMIT - Edit Instrument Restart Limit
56. YSIPROB - Inactivate an active problem
57. YSJOBINQ - Inquire to job bank
58. YSJOBKILL - Purge job bank
59. YSJOBLIST - Search job bank
60. YSJOBUPDATE - Update job bank
61. YSMANAGEMENT - General Management
62. YSMLST - List Tests & Interviews
63. YSMOVP - Move crisis notes and messages
64. YSPATMSG - Patient message
65. YSPATPROF - Profile of patient
66. YSPERSHX - Psychosocial history
67. YSPERSHXR - Psychosocial history (results of pt. report)
68. YSPHYEXAM - Physical exam
69. YSPLDX - DSM Diagnosis (Problem list)
70. YSPLPDX - ICD9 Diagnosis (Problem list)
71. YSPPROB - Print the problem list
72. YSPRINT - Tests and interviews (results)

- 73. YSPROBLIST - Problem list
- 74. YSPTINSTRU - Patient-administered Instruments
- 75. YSRAPROB - Reactivate an inactive problem
- 76. YSREVSYS - Review of systems
- 77. YSREVSYSR - Review of systems (results of pt. report)
- 78. YSRFPROB - Reformulate a problem
- 79. YSRSPROB - Resolve a problem
- 80. YSTESTBAT - Test battery utility
- 81. YSVOCATIONAL - Vocational Rehabilitation
- 82. YSWAITCR - Create/edit wait lists
- 83. YSWAITE - Add patient to wait list
- 84. YSWAITEDI - Edit patient list data
- 85. YSWAITLST - Wait lists
- 86. YSWAITP - Print wait list
- 87. YSWAITREM - Remove patient from list
- 88. YSWAITSHUF - Move patient on list
- 89. YT SF36 HEALTH SURVEY - SF-36 Health Survey

Routines Deleted by Mental Health Patch 60

YS03ENV	YS04ENV	YS04POST	YS05ENV	YS05POST	YS06ENV	YS23ENV	YS23POST
YS24ENV	YS24POST	YS26ENV	YS29ENV	YS30ENV	YS30PRE	YS32ENV	YS33ENV
YS37ENV	YS38ENV	YS38POST	YS39POST	YS42ENV	YS43POST	YS501100	YS501P82
YS501P83	YS85POST	YS85PRE	YS96POST	YS97POST	YSANTEG	YSAPOST	YSASCF
YSCEN	YSCEN1	YSCEN10	YSCEN13	YSCEN14	YSCEN2	YSCEN21	YSCEN22
YSCEN23	YSCEN24	YSCEN26	YSCEN3	YSCEN31	YSCEN32	YSCEN33	YSCEN34
YSCEN35	YSCEN36	YSCEN37	YSCEN39	YSCEN4	YSCEN41	YSCEN5	YSCEN51
YSCEN52	YSCEN53	YSCEN54	YSCEN55	YSCEN56	YSCEN6	YSCEN61	YSCEN7
YSCEN8	YSCEN81	YSCPAF	YSCPAG	YSCPAI	YSCPAK	YSCPAL	YSCPAM
YSCPAQ	YSCUP	YSCUP000	YSCUP001	YSCUP002	YSCUP003	YSCUP004	YSD40030
YSD40031	YSD40032	YSD40040	YSD40041	YSD40042	YSD40050	YSD40051	YSD40052
YSD40060	YSD40061	YSD40062	YSD4C000	YSD4CK00	YSD4DSM	YSD4E010	YSD4E020
YSD4POS0	YSD4POST	YSD4PRE	YSD4PRE0	YSD4UT01	YSDX0001	YSDX0002	YSDXR000
YSDXR1	YSEMSG	YSESA	YSESD	YSESE	YSESED	YSESH	YSESL
YSESLOG	YSESM	YSESN	YSESP	YSESR	YSESUT	YSHelp	YSHX1
YSHX1R	YSJOB	YSJOBK	YSKFASI1	YSKFASI2	YSKFASIF	YSKFASIM	YSMV
YSMV1	YSNTEG	YSNTEG0	YSONIT	YSONIT1	YSONIT2	YSONIT3	YSPDR1
YSPDXR	YSPHY	YSPHY1	YSPHYR	YSPP	YSPP1	YSPP1A	YSPP2
YSPP3	YSPP4	YSPP5	YSPP6	YSPP7	YSPP8	YSPP9	YSPPJ
YSPRBR1	YSPRBR2	YSPROB	YSPROB1	YSPROB2	YSPROB3	YSPROB4	YSPROB5
YSPROBR	YSPROBR1	YSPROSE	YSPTX	YSPTX1	YSPTXR	YSWX	YSWX1
YSWZ	YSXRAA	YSXRAA1	YSXRAA2	YSXRAA3	YSXRAA4	YSXRAF	YSXRAF1
YSXRAF2	YSXRAF3	YSXRAF4	YSXRAF5	YSXRAF6	YSXRAG	YSXRAG1	YSXRAG2
YSXRAJ	YSXRAJ1	YSXRAJ2	YSXRAJ3	YSXRAJ4	YSXRAK1	YSXRAK10	YSXRAK11
YSXRAK12	YSXRAK2	YSXRAK3	YSXRAK4	YSXRAK5	YSXRAK6	YSXRAK7	YSXRAK8
YSXRAK9	YSXRAQ	YSXRAQ1	YSXRAQ2	YSXRAQ3	YSXRAQ4	YSXRAR	YSXRAR1
YSXRAR2	YSXRAS	YSXRAS1	YSXRAS2	YSXRAT	YSXRAT1	YSXRAT2	YSXRAT3
YSXRAT4	YSXRAT5	YSXRAT6	YSXRAU	YSXRAU1	YSXRAU2	YSXRAV	YSXRAV1
YSXRAV2	YSXRAW1	YSXRAW2	YSXRAZ1	YSXRAZ2	YSXRAZ3	YSXRAZ4	YSXRAZ5
YSXRAZ6	YSXRBA	YSXRBA1	YSXRBA2	YSXRBA3	YSXRBA4	YSXRBA5	YSXRBA6
YTEX	YTQQI001	YTQQI002	YTQQI003	YTQQI004	YTQQI005	YTQQI006	YTQQI007
YTQQI008	YTQQI009	YTQQI00A	YTQQI00B	YTQQI00C	YTQQI00D	YTQQI00E	YTQQI00F
YTQQI00G	YTQQI00H	YTQQI00I	YTQQI00J	YTQQI00K	YTTB		

These routines are deleted by KIDS during the patch installation.