



MENTAL HEALTH ASSISTANT
VERSION 2 (MHA 2)
INSTALLATION GUIDE

PATCH YS*5.01*76

Version 5.01

June 2003

Department of Veterans Affairs
Vista Health System Design & Development

Preface

Section 508 of The Rehabilitation Act

NOTE: The Veterans Health Administration (VHA) fully supports Section 508 of The Rehabilitation Act and is committed to equal access for all users. While every effort has been made to ensure Section 508 compliance, we realize that there may be other issues. If you have questions or would like to see a copy of the Compliance Action Plan for future releases, please contact:

REDACTED

VistA Mental Health Assistant Version 2, (MHA 2) 508 Compliance

In MHA Version 1, on the Order Tests tab the only way to move a test from the list of available tests to the list of selected tests (or back) without using the mouse was to use options under the Actions option on the main menu. In MHA Version 2, it is now also possible to tab to the select, delete, or delete all buttons; and select, delete, and delete all menu options have been added to the pop-up menu.

MHA 2 Software Application

The Veterans Health Information Systems and Architecture (*VistA*) Mental Health Assistant Version 2 (MHA 2), Installation Guide Patch YS*5.01*76, provides detailed instructions and requirements for installing and implementing the Graphical User Interface (GUI) software application.

MHA 2 Installation Guide Orientation:

NOTE: The screen captures examples text is written in support of Section 508 compliance. Commands to utilize options are bolded.

Introduction: This section includes an overview of the major functions, purposes, and how the GUI software application accomplishes the objectives.

Enhancements and Modifications: This section contains software changes exported by MHA 2, Patch YS*5.01*76.

Security Information: This section addresses any unique legal requirements and responsibilities pertaining to the Mental Health Assistant Version 2, software application and necessary security measures to protect the integrity of the software and its data.

Pre-installation Information: This section provides information needed prior to installing MHA Version 2, patch YS*5.01*76.

Installation Instructions: This section contains instructions and examples of MHA Version 2, patch YS*5.01*76 installation process.

Post Installation Instruction: This provides directions for implementing the *VistA* Mental Health Package enhancements to interact with the MHA Version 2, software application.

Software and Documentation Retrieval Information

NOTE: All sites are encouraged to use the File Transfer Protocol (FTP) capability. Use the FTP address “download.vista.med.va.gov” (without the quotes) to connect to the first available FTP server where the files are located.

Anonymous Software Directory

VistA Mental Health Assistant Version 2 Patch YS*5.01*76 files, Installation Guide (i.e., YS50176_MHA2_IG.DOC and YS50176_MHA2_IG.PDF), and User Manual (i.e., YS50176_MHA2_UM.DOC and YS50176_MHA2_UM.PDF) are available on the Office of Information Field Offices (OIFOs) ANONYMOUS SOFTWARE directory FTP addresses listed below:

OIFOs	FTP ADDRESS	DIRECTORY
REDACTED		
REDACTED		
REDACTED		

MHA 2 Software and Documentation Files Retrieval Format

MHA 2 Patch YS*5.01*76 exports the following files:

File Name	Contents	Retrieval Formats
YS_501_76.KID		ASCII
YS50176_Setup_124.exe	Mental Health Assistant This file is the complete install for the Mental Health Assistant GUI Version 1.0.2.9, client.	BINARY
- YS_MHA.exe	MHA2 Executable	
- YS_MHA_SD.exe	Secure Desktop Executable	
- YS_MHA_KH.DLL	Keyboard Hook DLL used by Secure Desktop	
- YS_MHA.Hlp	Online help file	
- YS_MHA.GID	Online help configuration file	
- YS50176_MHA2_IG.PDF	YS_MHA2 Installation Guide	BINARY
- YS50176_MHA2_IG.DOC	YS_MHA2 Installation Guide	BINARY
- YS50176_MHA2_UM.PDF	YS_MHA2 User Manual	BINARY
- YS50176_MHA2_UM.DOC	YS_MHA2 User Manual	BINARY

MHA 2 Documentation Website Locations

MHA Version 2, Installation Guide (i.e., YS50176_MHA2_IG.PDF & YS50176_MHA2_IG.DOC), and User Manual (i.e., YS50176_MHA2_UM.PDF & YS50176_MHA2_UM.DOC) are available in MS Word Format (DOC) and Portable Document Format (PDF) at the following Website locations:

VistA Mental Health Version 5.01 Home Page:

REDACTED

VistA Documentation Library (VDL):

<http://www.va.gov/vdl/>

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Introduction

Overview

The primary goal is to make the **VistA** Mental Health Package (MHP) V. 5.01 an effective, more efficient tool for use by mental health clinicians and their patients with the creation of a windows based application for the most commonly used options in the MHP. Currently the MHP is administered through **VistA**'s roll-and-scroll technology. Interviews are generally recorded on paper and entered later by the clinician or clerk because the roll and scroll technology is not conducive to following the natural flow of conversation. The development of a windows based software application to enter and display the Global Assessment of Functioning (GAF) score, the Addiction Severity Index (ASI), and 60 psychological tests will make the MHP more user-friendly. This will provide a Graphical User Interface (GUI) format for the entry of GAF, ASI assessments, display of reports and results of psychological tests and interviews.

VistA Mental Health Assistant Version 2, Software Features

ASI – Addiction Severity Index:

- Graph numeric results from ASI responses.
- Functionality to display the ASI entry screens in tabbed sections on one screen.
- Create functionality to display ASI test date, type of interview and interviewer and responses to previous interviews.
- Create Item report with narrative responses.
- Create Narrative reports from ASI responses.
- Create Follow-up report from ASI interviews and responses.

GAF – Global Assessment of Functioning:

- Present GAF scores in a graphical format.
- Display on-line cross-reference data with rate criteria.
- Provide functionality to notify the user when selected patients have not had a GAF Score within the last 90 days. (GAF Due tab).

Psychological Tests and Interviews:

- Graph single scale instruments to reflect trend in patient symptoms.
- Create an order entry screen to select tests and interviews.
- Create an option for entry of tests and interviews by patients.
- Create an option for entry of tests and interviews by staff.
- Graphical representation of multi-scale instruments.
- Create a report of incomplete tests, interviews and batteries by date.
- Create a report to print results of psychological interviews and tests.

***VistA* MHA 2, Functionality**

MHA Version 2 exports the Graphical User Interface (GUI) to the MHP most frequently used functionality (i.e., Addiction Severity Index (ASI), Global Assessment of Functioning (GAF), and Psychological testing).

Addiction Severity Index (ASI):

- Enhances the ability of staff to enter ASI data into *VistA* by clinicians, patients, and data-entry clerks.
- Enhances the ability of staff to retrieve reports.
- Simplifies entry of ASI interview responses.
- Presents ASI scores from multiple interviews in sections and in graphical format.
- Provides functionality to assess multiple interviews simultaneously.
- Displays narrative and item reports in a text format.
- Checks the internal consistency of the ASI items.
- Displays graphically item trends and domain scores for ASI.
- **ASI tab** - lists all previous ASI interviews and makes it easy to view either the item report or narrative report for a selected interview. To help with ASI performance measure compliance, the interval since the last interview is displayed. Two new ASI data view functions (i.e., Domain Scores and Item Trends) are created by the MHA software application. These new data view functions present graphical and tabular data across multiple interviews. The Domain Scores gives the user the opportunity to see either problem severity ratings or evaluation factor scores. The new Item Trends displays responses to selected individual items. These ASI data view options will assist with treatment planning and treatment outcome monitoring. A user-friendly interface for entering interview data is provided. This function enables staff to quickly enter data, to easily jump from one item to another, and to enter free text comments at any time. This should greatly reduce data entry time, whether transcribing interview results from a paper form, or entering them on-line during an interview.

Global Assessment of Functioning (GAF)

- MHA 2 provides text and graphical reports of historical data stored in the *VistA* Mental Health Package V. 5.01. This enhances the ability of the staff to enter and retrieve GAF ratings.
- Presents GAF scores in a graphical format.
- GAF reminder
- Associates GAF criteria with the rating made.
- Graphs of previous GAF ratings.
- **GAF tab** - provides the user with an easy way to enter GAF ratings and to see previous ratings, which are graphed to indicate trends. When entering a new rating, the rating is associated with the GAF rating criteria. It is anticipated this association will increase the reliability of ratings and reduce inter-rater variability in the assignment of GAF ratings.

Psychological Tests and Interviews:

- Enhances the ability of both staff and patients to enter psychological test data.
- Creates reports and graphical displays of complex tests by sub category or scales. Allows user to select sets of scores to graph for multi-scale tests.
- Creates psychological test order windows that displays tests that can be ordered based on the provider privileges.
- Allows users to select multiple tests, interviews, and batteries.
- Provides functionality to display a combination of scale scores, tables and graphs for an individual patient on one screen.
- Graph multiple instances of the same tests (i.e., 4 CAGE tests given on 4 days).
- Allows user to copy to the Windows clipboard or to save to a file, text reports, data tables, or graphs.

Test Results Tab:

- All previous tests completed by selected patient are listed on the Test Results tab. A text report is shown for the selected test, and graphs of numeric scores are available across all instances of a given test.

Order Tests Tab:

- The Order Tests tab allows the user to specify the staff ordering the test and to select from tests that are available to the staff ordering the test. Three data entry modes are available: (1) Staff entry is optimized for the entry of staff rating data (e.g., the AIMS), which requires the user to see the test questions and answers. (2) Clerk entry is optimized for transcribing test data from paper answer sheets. (3) Patient entry is optimized for on-line testing of patients. The patient entry option contains security features to prevent unattended patients from using the PC in unauthorized ways.

Patient Demographics

- Displays patient demographics data, which can be printed, copied to the Windows clipboard, or saved to a text file.

Secure Desktop Information

NOTE: The **Patient Entry window** is the only test data entry method that activates the **Secure Desktop** features. Therefore, neither Staff Entry nor Clerk Entry should be used for the on-line testing of patients.

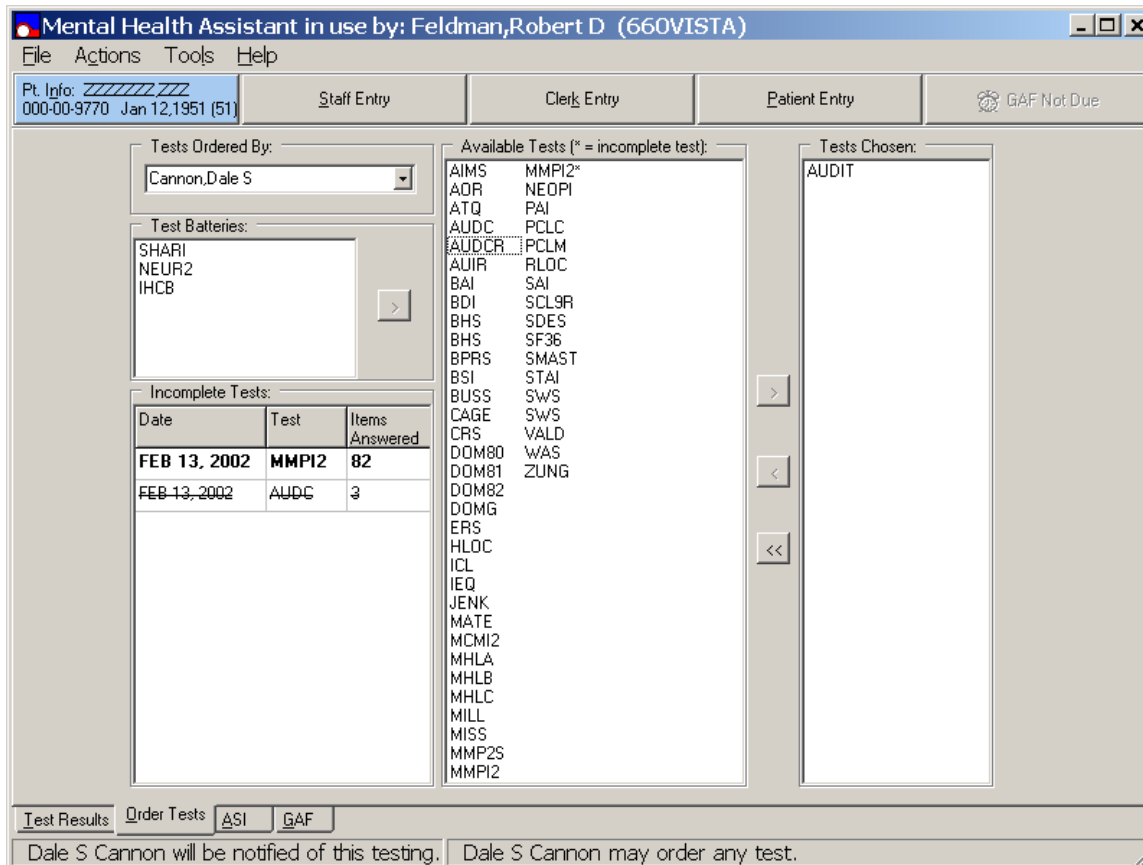
The **Secure Desktop** is a set of security features intended to prevent unattended patients taking on-line tests from using the PC for other purposes. **Secure Desktop** commands the **Patient Entry window** to cover the entire PC desktop. Non-alphanumeric keys are trapped to keep the patient from using the task bar and operating system functions (such as Task Manager).

The following security features **cannot** be defeated once the Patient Entry window becomes active, so it is essential that all other applications be closed and data saved before Patient Entry begins:

- Excessive non-alphanumeric keystrokes are interpreted as “hacking” efforts and MHA is terminated.
- At the end of the testing session, MHA is terminated.
- On termination of MHA, the Windows NT session is logged off, which means the user has to enter their NT user name and password to log back on to the desktop.

Patient Entry Window

Example: The following **Patient Entry window** activates the **secured desktop** features when the **Patient Entry** is selected. After the **Patient Entry** selection is made, two **Warning dialog boxes** are displayed.



Mental Health Assistant in use by: Feldman, Robert D (660VISTA)

File Actions Tools Help

Pt. Info: [redacted] 000-00-9770 Jan 12, 1951 (51)

Staff Entry Clerk Entry Patient Entry GAF Not Due

Tests Ordered By: Cannon, Dale S

Test Batteries: SHARI, NEUR2, IHCB

Incomplete Tests:

Date	Test	Items Answered
FEB 13, 2002	MMPI2	82
FEB 13, 2002	AUDC	3

Available Tests (* = incomplete test): AIMS, ADR, ATQ, AUDC, AUDCR, AUJR, BAI, BDI, BHS, BPRS, BSI, BUSS, CAGE, CRS, DOM80, DOM81, DOM82, DOMG, ERS, HLOC, ICL, IEQ, JENK, MATE, MCM12, MHLA, MHLB, MHL, MILL, MISS, MMP2S, MMPI2

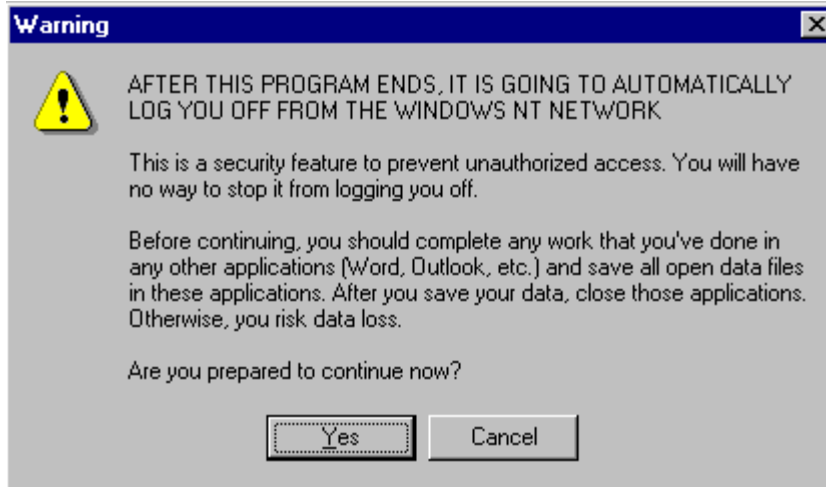
Tests Chosen: AUDIT

Test Results Order Tests ASI GAF

Dale S Cannon will be notified of this testing. Dale S Cannon may order any test.

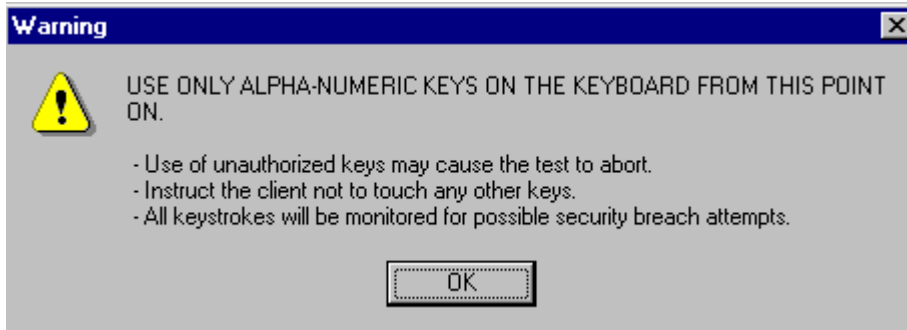
First Warning Dialog Box

Example: The first **Warning Dialog Box** states “After this programs ends, it is going to automatically log you off from the Windows NT Network.” **Click** on the **YES command button** to proceed. The **YES command button** response displays a **second Warning dialog box**. **Click Cancel** to return to the Windows NT Network.



Second Warning Dialog Box

Example: The second **Warning dialog box** states, “Use ONLY Alpha-Numeric Keys on the keyboard from this point on.” **Click** on the **OK command button** to continue the Patient Entry functions.



Authorized Keystrokes

Authorized keystrokes are entered in response to the on-screen questions. Authorized keys are A..Z, a..z, 0..9, ENTER and SHIFT key. Keystrokes trigger the next question to be displayed.

Unauthorized Keystrokes

Unauthorized keystrokes are entered in response to the on-screen questions. Unauthorized keystrokes are all that are not listed above. Keystrokes trigger the default Windows screensaver to activate, hiding what else is on the screen display. Keystrokes have no other significant effect on the psych test. **USER MUST NOT BE ABLE TO ACCESS UNAUTHORIZED DATA OR PROGRAMS.**

Excessive Use of Unauthorized Keystrokes

Strike 5-10 unauthorized keystrokes. Windows shuts down all active programs and logs off the current user, forcing a user to log on again.

Termination of Mental Health Assistant

Complete a test window shuts down all active programs and logs off the current user, forcing a user to log onto the system again.

Enhancements and Modifications

MHA Version 2, Patch YS*5.01*76 is following exporting the following software changes:

Enhancements:

1. Four new psychological tests, the Millon Behavioral Medicine Diagnostic (MBMD), the Beck Depression Inventory-II (BDI2), the Millon Clinical Multiaxial Inventory-III (MCMI3) and the Brief Symptom Inventory 18 (BSI18) have been added to the MH INSTRUMENT file (#601). All can now be administered using MHA. The results of the MCMI3, the BSI18, and MBMD can be viewed using the multi-scale graph window (the BDI2 is a single scale instrument). Context sensitive descriptions of the new tests were added to the Help file.
2. Entries to the COPYRIGHT HOLDER file (#601.3) have been made for the new psychological tests MBMD, BDI2, MCMI3, and BSI18.
3. For the psychological test Minnesota Multiphasic Personality Inventory-2 (MMPI2), several changes have been made in the scales that are scored and displayed. Five new scales are now scored (the PSY-5 Personality Psychopathology Five). The Subtle-Obvious and Non-K Corrected scales are no longer scored or displayed. The user can choose to display all validity scales at once (Expanded Validity) or just the L, F, K scales (Basic Validity). In MHA Version 2 the multi-scale graph option has been revised to display the new scales.
4. On the main window of Test Results, Order Tests, ASI or GAF tabs, a right mouse click brings up a pop-up menu with options for each of the enabled buttons on the active tab.
5. A pop-up menu was added to the window used for graphically displaying the results of both multi-scale tests and ASI domain scores. The pop-up menu, which is activated by a right-click, permits the user to copy, print or save either a graph or a table.
6. If MHA is launched from the CPRS Tools menu, MHA accepts parameters (such as Patient DFN) passed by CPRS. This eliminates the need to select a patient a second time and ensures that the same patient is always selected by both applications if both are open. When CPRS is closed, MHA will be closed automatically.
7. MHA can be launched from the CPRS Tools menu without having to sign on a second time if the RPC Broker workstation client software is installed on the PC and single sign-on is enabled on *VistA*.

8. Upon closing the Staff Entry window, the user is given the option of saving the test results to *VistA*. Previously, the option of saving results were given only if all the test questions had not been answered. Completed tests were automatically saved. The change gives the user control over whether the data are saved and makes the exit process the same whether the test was completed or not.

9. To make the patient selection key sequence the same as that used in CPRS, the Select Patient menu caption was changed from “Select New Patient” to “Select New Patient”.

10. If a patient is deceased, the user is notified of that and asked if they want to proceed before allowing entry of a new GAF rating, psychological test, or ASI. If the user proceeds, the GAF rating date or ASI admission/interview dates cannot be greater than the date of death. Constraining the date of psychological test data for staff and clerk entry will require a modification to the MH INSTRUMENT file (#601).

11. ASI comment fields were saved to *VistA* in a way that caused word wrap problems. The comments fields now are formatted correctly.

12. In MHA Version 1, the ASI data-entry form, when clicking on an up or down arrow in a spin-edit item, the spin-edit item with focus was increased or decreased. Any up or down arrow click would have its impact on the field with focus, even arrows for other items. The current version allows only the up and down arrows associated with that spin-edit item to have any effect.

13. In MHA Version 1, the executable was named YS50171_MHA.exe to reflect both the associated *VistA* Patch YS*5.01*71 and the Delphi application build number (123). However, this method of naming the executable will require a new name with each release, which will increase the difficulty of installing future releases. In MHA Version 2, the executable is named YS_MHA.exe, which will be used for all future MHA software releases.

Modifications

1. In MHA Version 1, some windows were closed by a button captioned “Close” and others were closed by a button captioned “Return”. All such buttons are now captioned “Close”.
2. On the Staff Entry window, the button that returns the user to a previously answered question was captioned “Back Up.” Because this caption could be misunderstood as meaning data would be saved to a backup archive, the caption was changed to “Previous.”
3. By convention, “OK” buttons appear to the left of “Cancel” buttons, but on some MHA windows their positions were reversed. These two buttons now appear in conventional order on all windows.
4. To make them more readable, the “>” captions on the buttons on the Order Tests tab were changed to bold font.
5. The MMP2S is a short form of the MMPI2. In MHA Version 1, scores from the two forms of the test could not be compared on the multi-scale graph window. The user is now given that option.
6. When printed, graphs did not include the patient name and yellow lines were not visible on monochrome printers. Patient name is now a footer on all printed graphs, and the yellow lines have been made black.
7. The following instruments in the MH INSTRUMENT (#601) file: 16PF, MMPI, M168, MCMI, CES, CPI, FES, FIRO, GES, MYER, WES, and SII are copyrighted tests that VACO does not have a license to use. When the user selects one of these instruments they receive the message “USER,MARK is NOT AUTHORIZED to order Instrument GES.” Now, when the user selects one of these instruments the message returned is “[VACO currently does not have a license to use this test].” This message is only displayed on the list manager version of Mental Health V. 5.01. In the MHA GUI non-copyrighted tests that VACO does not have a license to use are not viewable from Available Lists box.
8. The ASI NARRATIVE file (#604.68) data has been edited to correct problems with the logic and executable code to produce a report for the Addiction Severity Index that reads like a clinician's written report. The entries modified are GENERAL, FULL ITEM REPORT, LITE ITEM REPORT, FOLLOWUP ITEM REPORT, FOLLOWUP NARRATIVE, ASI-MV ITEM REPORT and the ASI-MV NARRATIVE.
9. During initialization of the main window of the Test Results tab, the appropriate notice did not appear if the user did not have the YSP key and the first test in the list of previous tests was non-exempt.

10. An error occurred if the Domain Scores button on the main window of the ASI tab was clicked for a patient for whom there were no complete ASI records to display. This problem was corrected by disabling the button if the patient did not have at least one signed ASI with all questions answered (i.e., not a G-12 record).
11. Short-cut keys were working on the main, staff entry and clerk entry windows even though the Alt key was not pressed. This has now been corrected to work only when the Alt key has been pressed.
12. Signing an ASI-MV was not possible without first loading the data into the ASI data entry window. Because there are some differences between the ASI-MV and a regular ASI, loading the ASI-MV into the ASI data entry window caused data validation errors when the record was saved to *VistA*. Signing an ASI-MV is now possible without loading the results into the data entry window.
13. Incorrect source code was used to determine whether the user was the ASI interviewer, who is the only person who can sign the interview. Consequently, a new ASI could not be signed without first saving it to *VistA* and then reloading it into the data entry window.
14. On the main window of the Order Tests tab, if either the list box containing test choices or the list box containing tests that had been selected had focus, context sensitive help was not available for the selected test in the list box. The context ID of the selected test now is set on the list box click event.
15. In MHA Version 1, ASI comments were not saved for Spiritual Status and Leisure Time Status. In MHA Version 2, these comments are now saved.
16. Sometimes, when MHA Version 1, is run as a server application, the Help file could not be found. In MHA Version 2, the help file path is now dynamically set.
17. When using option, Delete unsigned ASI [YSAS ASI DATA DELETION] the user received an error %DSM-E-STRLEN, string too long, DSM-I-ATLABEL, TLD+11^YSASSEL:1. This error occurred on a test patient. An initial ASI is administered to a patient once they enter the substance abuse program. A follow-up ASI is then administered every six months the patient is in the program. This error has been corrected by lowering the \$PIECE field position TO from 40 to 20.
18. When a user selects the multi-graph button for multi-graph tests (i.e., MMPI2) undefined variable error occurs. This error has been corrected.

19. When a user selects the multi-graph button for multi-graph tests for the SF36 and the score equals 100, they received an “invalid integer” message. On the multiscale window, the table now lists the correct scale scores (i.e., real numbers, not integers). This has been corrected in the MHA GUI source.

20. The instruction text for patient administered tests in MHA Version 1, is too small and did not contrast well with the grey background. In MHA Version 2, the font size has been increased to 10 points and the background color has been changed to white.

Security Information

This section addresses any unique legal requirements and responsibilities pertaining to the Mental Health Assistant Version 2, software application and necessary security measures to protect the integrity of the software and its data.

Security Management

There are no unique legal requirements pertaining to Mental Health Assistant software application with the exception that some of the psychological tests are copyrighted. Copyrighted tests are used by permission of the copyright holders. Use of these tests must be consistent with contracts between VHA and copyright holders.

Security Features:

Secure Desktop

Secure Desktop is a set of security features intended to prevent unattended patients taking on-line tests from using the Personal Computer (PC) for other purposes. The Secure Desktop features construct the Patient Entry window to cover the entire PC desktop. Non-alphanumeric keys are trapped to keep the patient from using the task bar and operating system functions (such as Task Manager). The Patient Entry function is the only test data entry method that activates the Secure Desktop features. Therefore, neither Staff Entry nor Clerk Entry should be used for the on-line testing of patients. The Secure Desktop security features **cannot** be defeated once the Patient Entry window becomes active. Excessive non-alphanumeric keystrokes are interpreted as “hacking” efforts and MHA is terminated. At the end of the testing session, MHA is terminated. Upon termination the Windows NT session is logged off, which means the user has to enter their NT user name and password to log back on to the desktop.

Mail Groups:

No mail groups are required for MHA Version 2 software release.

Alerts:

No alerts are required for MHA Version 2.

Remote Systems:

All GAF scores entered through the Mental Health Assistant GAF tab are dynamically sent to the National Patient Care Database (NPCD) at the Austin Automation Center (AAC).

VistA MHA 2, contains the following Remote Procedures (RPCs):

MH YT and YS RPCs

YTAPI ASI FACTORS
YTAPI ASI LISTER
YTAPI ASI PNOTE
YTAPI ASI SAVE DATA
YTAPI ASI SIGNER
YTAPI CLERK RESPONSES
YTAPI GET ASI RESPONSES
YTAPI GET INCOMPLETE
YTAPI LIST INCOMPLETES
YTAPI LISTALL
YTAPI LISTONE3
YTAPI NEW ASI
YTAPI NEW GAF
YTAPI OUTNOTE
YTAPI PREVIEW
YTAPI PRIVLEGE
YTAPI QUEST
YTAPI SAVE INCOMPLETES
YTAPI SAVE TEST COMMENT
YTAPI SAVEIT
YTAPI SCOREIT
YTAPI SHOWALL
YTAPI SHOWIT
YTAPI TEST BATTERY
YTAPI TEST BULLETIN
YTRP INSTRUMENT REPORT
YSRP ASI ITEM
YSRP ASI NARRATIVE

Registration DG RPCs

NAME: DGWPT CLINRNG TAG: CLINRNG
 ROUTINE: DGWPT RETURN VALUE TYPE: ARRAY
 DESCRIPTION: Returns a list of selectable options from which a user can choose a date range for appointments.

NAME: DGWPT DFLTSRC TAG: DFLTSRC
 ROUTINE: DGWPT RETURN VALUE TYPE: SINGLE VALUE
 DESCRIPTION: Return user's default patient list source.

NAME: DGWPT DIEDON TAG: DIEDON
 ROUTINE: DGWPT RETURN VALUE TYPE: SINGLE VALUE
 DESCRIPTION: Returns date of death if patient has expired. Otherwise returns 0.

NAME: DGWPT SAVDFLT TAG: SAVDFLT
 ROUTINE: DGWPT RETURN VALUE TYPE: SINGLE VALUE
 DESCRIPTION: Saves user's preference for default list source.

NAME: DGWPT SELCHK TAG: SELCHK
 ROUTINE: DGWPT RETURN VALUE TYPE: SINGLE VALUE
 DESCRIPTION: Returns a 1 if the patient record is flagged as sensitive, otherwise returns 0.

NAME: DGWPT SELECT TAG: SELECT
 ROUTINE: DGWPT RETURN VALUE TYPE: SINGLE VALUE
 DESCRIPTION: RPC to return key information on a patient as follows:
 1 2 3 4 5 6 7 8 9 10 11 12 13 14
 NAME^SEX^DOB^SSN^LOCN^LOCNM^RMBD^CWAD^SENSITIVE^ADMITTED^CONV^SC^SC%^ICN

NAME: DGWPT TOP TAG: TOP
 ROUTINE: DGWPT RETURN VALUE TYPE: ARRAY
 DESCRIPTION: Returns the last selected patient by the defined user.

NAME: DGWPT1 PRCARE TAG: PRCARE
 ROUTINE: DGWPT1 RETURN VALUE TYPE: SINGLE VALUE
 DESCRIPTION: Return primary care information for a patient in the format:
 VAL=Primary Care Team^Primary Care Provider^Attending

NAME: DGWPT BYWARD TAG: BYWARD
 ROUTINE: DGWPT RETURN VALUE TYPE: ARRAY
 DESCRIPTION: Returns a list of patients currently residing on a specified ward location.

Archiving/Purging:

MHA 2 software does not include archiving and/or purging capabilities.

Contingency Planning:

Each facility using the MHA software application **must** develop a local contingency plan to be used in the event of application problems in a live environment. The facility contingency plan **must** identify procedures used for maintaining the functionality provided by the software in the event of a system outage.

Interfacing:

The non-menu option, YS BROKER1 [YS BROKER1] contains the context necessary to interface MHA Version 2, software application to the **VistA** database.

Electronic Signatures:

MHA Version 2, Addiction Severity Index (ASI) software component utilizes the electronic signature functionality.

Menus

MHA 2 software does not contain any menu options of particular interest to Information Security Officers (ISOs).

Security Keys:

MHA 2, software application did not release any new security keys. However, the YSP security key is required to control access to the results of “non-exempt” tests. Holders of the YSP security key are controlled (i.e., given out by the Chief of Psychology or a senior psychologist) at a facility that does not have a Chief of Psychology. The Chief of Psychology or senior psychologist also determines which tests are “exempt” (i.e., the results can be seen by anyone), and which are “non-exempt” (i.e., require the YSP key to see the results).

File Security:

There is no file security associated with the release of MHA Version 2 software application.

References:

Kernel V. 8.0 Systems Manual

Official Policies:

There is no official policy unique to the MHA Version 2 software application regarding the modification of the software and distribution of the product.

Pre-Installation Information

The following information contains recommendations and requirements that should be acknowledged **prior** to installing **VistA Mental Health Assistant Version 2 Patch YS*5.01*76**:

Recommended Users:

Information Resources Management (IRM) Staff

IRM staff is recommended for installing and supporting MHA 2, Patch YS*5.01*76 requirements.

Mental Health Clinicians

It is recommended that Mental Health clinicians enter the MH patient demographics data and define the MH interviews parameters.

Test Sites

MHA 2 Patch YS*5.01*76 has been tested at the following sites:

Test Sites	Hardware Platform
REDACTED	DEC Alpha VMS/DSM
REDACTED	Wintel NT/Cache
REDACTED	DEC Alpha VMS/DSM
REDACTED	DEC Alpha VMS/DSM
REDACTED	DEC Alpha VMS/DSM
REDACTED	DEC Alpha VMS/DSM
REDACTED	DEC Alpha VMS/DSM

Windows Conventions

MHA 2 software application uses a Graphical User Interface (GUI) for the startup, setup, and assignment functions.

***VistA* Operating System**

Mental Health V. 5.01 Package currently runs on the standard hardware platforms used by the Department of Veterans Affairs Health Care System facilities. These hardware platforms consist of standard or upgraded Alpha AXP clusters, and run either VMS or NT and the Open M product. All current 486 sites are being converted to Alpha 1000A AXP Cluster, NT and Open M platforms.

***VistA* Operating System Performance Capacity**

There are no significant changes in the performance capacity of the *VistA* operating system once the Mental Health Assistant Version 2 Patch YS*5.01*76 is installed. The software application should not create any appreciable global growth or network transmission problems. There are no memory constraints.

MHA Central Processing Unit (CPU) Requirement

MHA 2 software application for Windows 2000 or NT Operating System CPU requirement is a minimum of 133 MHz.

MHA Software Application Installation Time

MHA 2 Patch YS*5.01*76 installation time is less than 5 minutes during off peak hours.

Users on the System

MHA users may remain on the system. However, installation of Patch YS*5.01*76, should be done during off peak hours.

Backup Routines

It is **highly** recommended that a backup of the transport global be performed before installing the *VistA* Mental Health Assistant Version 2, Patch YS*5.01*76.

Kernel Installation and Distribution System (KIDS)

Mental Health Assistant Version 2 Patch YS*5.01*76 distribution is using KIDS.

NOTE: For further instructions on using KIDS, please refer to the Kernel Version 8.0 Systems Manual.

Namespace

Mental Health Assistant Version 2 Patch YS*5.01*76 namespace is YS.

MHA 2 Software Application Requirements

The following software **MUST** be installed prior to installing MHA 2, patch YS*5.01*76:

Software Applications	Versions
Kernel	8.0
VA FileMan	22.0
Mailman	7.1
RPC Broker	1.1
Toolkit	7.3
Mental Health	5.01

Required Patches

The following patches **MUST** be installed prior to installing MHA 2 Patch YS*5.01*76:

Software Applications	Patches
Mental Health V. 5.01	YS*5.01*38
	YS*5.01*53
	YS*5.01*54
	YS*5.01*67
	YS*5.01*71

MHA 2 Menu/Options Changes

YS Broker1 [YS BROKER1] Option

The non-menu option, YS BROKER1 [YS BROKER1] contains the context necessary to interface the *VistA* Mental Health Assistant Version 2 software application to the *VistA* database.

Database Integration Agreements (DBIAs)

The following DBIAs were approved for the release of *VistA* MHA software application:

DBIA #418 - Mental Health is also a subscriber to IA #418. This agreement is written more specifically than IA #564 and outlines the fields and cross-references access by the application. IA #564 gives the access by nodes rather than field names. Requested the additional cross-reference be added to #418.

DBIA #564 - Mental Health has subscribed to IA #564, but we also need to do a Global Read of ^DGPT("AF".

DBIA #1024 - Health Summary accesses file ^DIC(40.7, to display the Name of the Clinic Stop in one of its components.

DBIA #1649 - ORQPT DEFAULT PATIENT LISTS: This remote procedure returns the current user's default patient list wards to be used in the Mental Health Assistant GUI.

DBIA #1676 - ORQPT WARDS: This remote procedure returns a list of wards to be used in the Mental Health Assistant GUI.

DBIA #3371 - ORWU HASKEY: This remote procedure returns 1 if a user holds a security key, otherwise 0 to be used in the Mental Health Assistant GUI.

Data Dictionary Changes

The following files changes were created for the MHA GUI Version II:

MH INSTRUMENT file (#601):

The MH INSTRUMENT file (#601) was edited to add the following four **new** psychological tests:

- Millon Behavioral Medicine Diagnostic (MBMD)
- Beck Depression Inventory-II (BDI2)
- Millon Clinical Multiaxial Inventory-III (MCMI3)
- Brief Symptom Inventory 18 (BSI18)

MH INSTRUMENT file (#601) message text was changed from “BLOW, JOE is NOT AUTHORIZED to order Instrument GES” to “[VACO currently does not have a license to use this test]” because the following instruments stored in this file are copyrighted tests and VA Central Office (VACO) does not have a license to use: 16PF, MMPI, M168, MCMI, CES, CPI, FES, FIRO, GES, MYER, WES, and SII.

NOTE: This message is only displayed on the roll ‘n’ scroll version of Mental Health V. 5.01.

The Minnesota Multiphasic Personality Inventory-2 (MMPI2) psychological test contains several changes in the scales that are scored and displayed. Five new scales are now scored (i.e., PSY-5 Personality Psychopathology Five). The Subtle-Obvious and Non-K Corrected scales are no longer scored or displayed. The user can choose to display all validity scales at once (Expanded Validity) or just the L, F, K scales (Basic Validity).

COPYRIGHT HOLDER file (#601.3):

This file was edited to add three of the four new psychological tests (i.e., MBMD, MCMI3 and BSI18). The new psychological test BDI2 is non-copyrighted and does not need to be added to the COPYRIGHT HOLDER file (#601.3).

ASI NARRATIVE file (#604.68):

ASI NARRATIVE file (#604.68) was **modified** to correct problems with the logic and executable code that produces the Addiction Severity Index Report that reads like a clinician's written report. The entries modified are GENERAL, FULL ITEM REPORT, LITE ITEM REPORT, FOLLOWUP ITEM REPORT, FOLLOWUP NARRATIVE, ASI-MV ITEM REPORT and the ASI-MV NARRATIVE.

Remote Procedures

VISTA MHA Patch YS*5.01*76, uses the following Remote Procedures (RPCs):

MHA New YT RPCs

NAME: YTAPI ASI FACTORS TAG: EN
ROUTINE: YSASFS RETURN VALUE TYPE: ARRAY
AVAILABILITY: SUBSCRIPTION
DESCRIPTION: Input IEN of file 604, Addiction Severity Index. Returns the 5 factor scores for an ASI in the following format:

YSDATA(1)=[DATA]
YSDATA(2)=ALCOHOL^FACTOR SCORE^T SCORE

YSDATA(6)=LEGAL^FACTOR SCORE^T SCORE
INPUT PARAMETER: IEN REQUIRED: YES
DESCRIPTION: An IEN for file 604 "Addiction Severity Index".

NAME: YTAPI ASI LISTER TAG: LISTASI
ROUTINE: YTAPI8 RETURN VALUE TYPE: ARRAY
AVAILABILITY: SUBSCRIPTION
DESCRIPTION: This API lists all ASI administrations for a specified patient.
Input required: DFN (ien of file 2)
Output is in the following format:

YSDATA(1)=[DATA]
YSDATA(2)= IEN^DATE OF INTERVIEW^CLASS^SPECIAL^ESIGNED

YSDATA(X)= IEN^DATE OF INTERVIEW^CLASS^SPECIAL^ESIGNED

0 RETURNED IF NO ADMINIS

NAME: YTAPI ASI PNOTE TAG: ASIPN
ROUTINE: YTAPI9 RETURN VALUE TYPE: ARRAY
AVAILABILITY: SUBSCRIPTION
DESCRIPTION: This API creates a Pnote in TIU based on the ASI report.
Input required: IEN of file 604, Addiction Severity Index.
Output is only to show success or failure of the operation.

YSDATA(1)=[DATA]/[ERROR]
YSDATA(2)=OK Progress Note created/No Pnote entered

NAME: YTAPI ASI SAVE DATA TAG: SAVASI
 ROUTINE: YTAPI9 RETURN VALUE TYPE: ARRAY
 AVAILABILITY: SUBSCRIPTION
 DESCRIPTION: This API saves data to the file 604, Addiction Severity Index.
 Required input: YSIEN ,ien of the file 604 entry
 YS(1)=file 604 field number^value to save
 YS(x)=file 604 field number^value to save

Output: only to indicate success vs error

YSDATA(1)=[DATA]
 YSDATA(2)=OK ASI SAVE YSIEN

NAME: YTAPI ASI SIGNER TAG: SIGN
 ROUTINE: YTAPI8 RETURN VALUE TYPE: ARRAY
 AVAILABILITY: SUBSCRIPTION
 DESCRIPTION: Allows interviewer to sign ASI, transcriber to "sign off" and
 send
 a bulletin.

Input Required:

CODE: electronic signature code
 IEN: ien of ASI in file 604

Output: reports on status of the operation only

YSDATA(1)=[DATA]
 YSDATA(2)=1^ASI SIGNED

NAME: YTAPI CLERK RESPONSES TAG: CLERK
 ROUTINE: YTAPI9 RETURN VALUE TYPE: ARRAY
 AVAILABILITY: SUBSCRIPTION
 DESCRIPTION: This API returns the possible answer alternatives for each
 question in a test or interview from file 601, Psychological Testing

Input Required: Code , the test/interview code ie MMPI2

Output: YSDATA(1)=[DATA]
 YSDATA(x)=Question number^A^string with appropriate answers (i.e.,
 TFX)

NAME: YTAPI GET ASI RESPONSES TAG: GETASI
 ROUTINE: YTAPI8 RETURN VALUE TYPE: ARRAY
 AVAILABILITY: SUBSCRIPTION
 DESCRIPTION: This API returns the ASI responses for a specified ASI
 administration.

Input required: DFN ; ien of file 2 Patient

 IEN; ien of file 604 Addiction Severity Index

Output: YSDATA(1)=[DATA]

 YSDATA(x)= Field #^Question name^is it Required^Answer

Pre-Installation Information

NAME: YTAPI GET INCOMPLETE TAG: GETINC
ROUTINE: YTAPI7 RETURN VALUE TYPE: ARRAY
AVAILABILITY: SUBSCRIPTION
DESCRIPTION: API to retrieve partially completed psychological tests.

Input Required: DFN ien of file 2 Patient
YSCODE; code for entry in file 601 Psychological Testing

Output:

YSDATA(1)=[DATA]
YSDATA(2)=INSTRUMENT^DATE ENTERED^DATE ADMINISTERED CLERICALLY^NEXT
ITEM^VALID RESPONSE STRING^CLERK TEST^ORDERED BY^DATE BEGUN
YSDATA(3)=responses 1-200
YSDATA(4)=responses 201-400
YSDATA(5)=responses 401-600

NAME: YTAPI LIST INCOMPLETES TAG: LISTINC
ROUTINE: YTAPI7 RETURN VALUE TYPE: ARRAY
AVAILABILITY: SUBSCRIPTION
DESCRIPTION: API to return a list of incomplete psychological tests.

Input Required: DFN ; ien of file 2 Patient

Output: YSDATA(1)=[DATA]
YSDATA(X)=CODE^DATE OF ADMIN^(not) restartable

NAME: YTAPI LISTALL TAG: LISTALL
ROUTINE: YTAPI RETURN VALUE TYPE: ARRAY
AVAILABILITY: AGREEMENT
DESCRIPTION: This API returns all psychological test administrations for a specified patient during a specified time period. No scoring is returned. ASI s and optionally GAF s are also returned.

Input:

DFN : patient internal identifier
BEGIN: inclusive date in %DT acceptable format (11/11/2011)
to begin search [optional]
END: inclusive date in %DT acceptable format (11/11/2011)
to end search [optional]
CODE: YS("CODE")="GAF" set to optionally return GAF
administrations

Output:

YSDATA(1)=[DATA]
YSDATA(x)= internal administration date^external administration
date^test code

Data is sorted in order of most recent administration to the
oldest administration.
If no administrations are found YSDATA(2) will not be returned.

NAME: YTAPI LISTONE TAG: LISTONE
 ROUTINE: YTAPI RETURN VALUE TYPE: ARRAY
 AVAILABILITY: AGREEMENT
 DESCRIPTION: This API returns all psychological test administrations for a specified patient during a specified time period for a specified test or instrument. If a scale is also specified, scoring for that scale is returned. User must have adequate privileges to receive this information (i.e., often the YSP KEY).

Input:

DFN : patient internal identifier
 CODE: Test code from file 601 including "ASI" and "GAF" e.g. "CAGE", "BDI"
 BEGIN: inclusive date in %DT acceptable format (11/11/2011) to begin search [optional]
 END: inclusive date in %DT acceptable format (11/11/2011) to end search [optional]
 LIMIT: constrains to the last N administrations [optional]
 Scale: scale number from file 601 or 1-7 on ASI [optional]

Output:

YSDATA(1)=[DATA]
 YSDATA(x)= internal administration date ^ external administration date^test code [^scale name^raw score^transformed score]

Data is sorted in order of most recent administration to the oldest administration.

If no administrations are found Array(2) will not be returned.
 If patient has no psych testing at all an error will be returned.

NAME: YTAPI NEW ASI TAG: ADDER
 ROUTINE: YTAPI8 RETURN VALUE TYPE: ARRAY
 AVAILABILITY: SUBSCRIPTION
 DESCRIPTION: This remote procedure allows new entries to be added to the ADDICTION SEVERITY INDEX file (#604).

Input required: none

Output:

YSDATA(1)=[DATA]
 YSDATA(2)= IEN created in file 604

NAME: YTAPI SAVE TEST COMMENT TAG: ADDCOMM
 ROUTINE: YTRPEXT RETURN VALUE TYPE: ARRAY
 DESCRIPTION: This API is used to add comments to completed tests
 and interviews.

INPUT PARAMETER: YSDATA PARAMETER TYPE: LITERAL
 MAXIMUM DATA LENGTH: 200 REQUIRED: YES
 SEQUENCE NUMBER: 1
 DESCRIPTION: The YSDATA contains the following information:

 YSDATA=DFN^DUZ^DATE/TIME TEST ENTERED^NAME OF
 TEST^AUTHOR^TOTAL LINES OF COMMENT

DFN: Pointer to the Patient file
 DATE/TIME TEST ENTERED: FileMan date/time format
 NAME OF TEST: Test name in the MH INSTRUMENT file (#601)
 DUZ and AUTHOR: Pointer to the New Person file #200
 INPUT PARAMETER: YSCOMMT PARAMETER TYPE: LIST
 MAXIMUM DATA LENGTH: 200 REQUIRED: YES
 SEQUENCE NUMBER: 2
 DESCRIPTION:
 YSCOMMT array contains comment lines to be filed.
 RETURN PARAMETER DESCRIPTION:
 RESULT(1)=" [ERROR] ",RESULT(2)=" No test found"

 RESULT(1)=" [DATA] ",RESULT(2)="Save ok"

 RESULT(1)=" [ERROR] ",RESULT(2)="Comment line not created"

 RESULT(1)=" [ERROR] ",RESULT(2)="No comment entered"

NAME: YTAPI SAVEIT TAG: SAVEIT
 ROUTINE: YTAPI1 RETURN VALUE TYPE: ARRAY
 AVAILABILITY: AGREEMENT
 DESCRIPTION: This API allows saving of patient responses to a test
 or interview in the M database. The patient ien, the test code,
 and administration date is required along with the responses. All responses
 are checked for validity. No scoring is returned but successful addition to
 the M database is indicated.

Input:

DFN : patient internal identifier
 CODE: Test code from file 601 or "ASI" e.g. "CAGE", "BDI"
 ADATE: inclusive administration date in %DT acceptable format (11/11/2011)
 Staff: DUZ of professional ordering the test
 R1: string of patient responses 1-200
 R2: string of patient responses 201-400 [as needed]
 R3: string of patient responses 401-600 [as needed]

Output:

Array(1)=[DATA] indicates successful call

Pre-Installation Information

NAME: YTAPI SCOREIT TAG: SCOREIT
ROUTINE: YTAPI2 RETURN VALUE TYPE: ARRAY
AVAILABILITY: AGREEMENT
DESCRIPTION: This API returns all scoring information for a specified patient given a specified administration date for a specified test or instrument. User must have adequate privileges to receive this information (i.e. often the YSP KEY).

Input:

DFN : patient internal identifier
CODE: Test code from file 601 or "ASI" e.g. "CAGE", "BDI"
ADATE: inclusive administration date in %DT acceptable format (11/11/2011)

Output:

Array(2)= Patient Name^Test Code^Test Title^Internal Admin date^External Admin Date ^Ordered by
Array(3)=R1^Responses 1-200 undelimited
Array(4)=R2^ Responses 201-400 undelimited (even if less than 200)
Array(5)=R3^ Responses 401-600 undelimited
Array(6)=S1^Scale Name^Raw Score^Transformed Score
Array(7)=S2^ Scale Name^Raw Score^Transformed Score
And onward as needed

NAME: YTAPI SHOWALL TAG: SHOWALL
ROUTINE: YTAPI3 RETURN VALUE TYPE: ARRAY
AVAILABILITY: AGREEMENT
DESCRIPTION: This API returns the text, bottom, introduction and possible correct responses for all items in a test in file 601. It will work only for tests as opposed to interviews or batteries. The ASI is not supported.

Input:

CODE: Test code from file 601 e.g. "CAGE", "BDI"

Output:

Array(1)=[DATA] ;indicates successful call
Array(2)=MMPI2 ;SECOND LINE IS TEST Code
Array(item number,"I",line number)=introductory text
Array(item number,"T", line number)=text of question
Array(item number,"R",0)=allowed responses
Array(item number,"R",line number)= response cues

NAME: YTAPI SHOWIT TAG: SHOWIT
ROUTINE: YTAPI3 RETURN VALUE TYPE: ARRAY
AVAILABILITY: AGREEMENT
DESCRIPTION: This API returns the text, bottom, introduction and possible correct responses for a specified test item in file 601. It will work only for tests as opposed to interviews or batteries. The ASI is not supported.

Input:

CODE: Test code from file 601 e.g. "CAGE", "BDI" ITEM: a positive whole number between 1 and the highest item number for the specified test.

Output:

Array(1)=[DATA] ;indicates successful call
 Array(2)=MMPI2^1 ;SECOND LINE IS TEST Code^ item number
 Array(item number,"I",line number)=introductory text
 Array(item number,"T", line number)=text of question
 Array(item number,"R",0)=allowed responses
 Array(item number,"R",line number)= response cues

NAME: YTAPI TEST BATTERY TAG: BATT
 ROUTINE: YTAPI9 RETURN VALUE TYPE: ARRAY
 AVAILABILITY: SUBSCRIPTION
 DESCRIPTION: Returns a list of all available test batteries and the tests within them.

Input: none

Output:

YSDATA(1)=[DATA]
 YSADAT(x)=battery name^test1^test2^test3^test4

NAME: YTAPI TEST BULLETIN TAG: SNDBUL
 ROUTINE: YTAPI9 RETURN VALUE TYPE: ARRAY
 AVAILABILITY: SUBSCRIPTION
 DESCRIPTION: When a clerk gives a psychological test by order of a clinician, a VISTA email bulletin is sent to that clinician, informing him/her of the administration of the test, the date, the clerk and the patient.

Input: DFN ;ien of file 2 Patient
 YSORD ;DUZ of ordering clinician

Output:

only success vs. error is reported.
 YSDATA(1)=[DATA]

NAME: YTRP INSTRUMENT REPORT TAG: INTRMNT
 ROUTINE: YTRPWRP RETURN VALUE TYPE: GLOBAL ARRAY
 AVAILABILITY: PUBLIC WORD WRAP ON: TRUE
 DESCRIPTION: This remote procedure allows staff to print out psychological tests and interview reports.

Routine Summary

The second line of the routine now looks like: <tab> 5.01;; MENTAL HEALTH;**[patch list]**; Dec 30, 1994

Example: Checksum Values

Routine Name	Before Patch	After Patch	Patch List
YSASFM	4829236	4845118	24, 30, 32, 37, 38, 55, 76
YSASNAR	11815417	11861142	24, 30, 37, 38, 44, 55, 67, 76
YSASSEL	8843928	8843828	24, 30, 38, 76
YSASPRT	2116236	2161961	24, 30, 38, 76
YSMTI3	7243669	7694272	53, 71, 76
YTAPI	9597980	9459304	53, 71, 76
YTAPI1	3829862	3787747	53, 71, 76
YTAR	17157520	17228546	37, 54, 76
YTAR1	6302994	6356397	37, 76
YTBI	10263261	13766056	76
YTBSI18	N/A	2756187	76
YTCLERK	10603997	10744720	19, 76
YTCLERK1	5889838	5941523	10, 19, 76
YTMAMD	N/A	7302508	76
YTMCI3	N/A	7153377	76
YTMCI3A	N/A	10735202	76
YTMCI3R	N/A	6136574	76
YTMPI2B	15991750	17200069	10, 31, 76
YTRPWRP	3186347	3199257	10, 31, 76

NOTE: Sites should use CHECK^XTSUMBLD to verify checksums.

Installation Instructions

NOTE: VISTA Mental Health Assistant Patch YS*5.01*76, uses the Kernel Installation and Distribution System (KIDS). For further instructions on using KIDS, please refer to the Kernel V. 8.0 Systems Manual.

Server:

NOTE: This patch should be installed during 'OFF PEAK' hours when few or no users are on the system. Installation of the patch will take less than 5 minutes.

1. Use the 'LOAD A DISTRIBUTION' option on the PackMan menu. The Host File name is YS_501_76.KID. Answer YES to the question:
"Want to Continue with Load? YES//"
2. The patch has now been loaded into a Transport global on your system. You now need to use KIDS to install the Transport global. On the KIDS menu, under the 'Installation' menu, use the following options:
 - Print Transport Global
 - Compare Transport Global to Current System
 - Verify Checksums in Transport Global
 - Backup a Transport Global
3. Users may remain on the system, but installation should be done at off peak hours.
4. Installation will take less than five minutes.
5. From the 'Installation Menu' of the KIDS menu, run the option 'Install Package(s)' Select the package 'YS*5.01*76' and proceed with install.

6. When prompted “Want KIDS to INHIBIT LOGONs during the install//” respond NO.
When prompted “Want to DISABLE Scheduled Options, Menu Options, and Protocols?
YES//” respond NO.

7. Place the MENTAL HEALTH ASSISTANT VERSION 2 USER MANUAL in a location that
can be accessed by MHA users.

8. Please refer to the POST INSTALLATION INSTRUCTIONS section of the MENTAL
HEALTH ASSISTANT VERSION 2 INSTALLATION GUIDE to install the MHA
software.

9. Place the option YS BROKER1 [YS BROKER1] on the Mental Health users secondary menu.

MHA Installation Example:

Select Programmer Options Option: **KIDS** Kernel Installation & Distribution System

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

You have PENDING ALERTS
Enter "VA to jump to VIEW ALERTS option

You've got PRIORITY mail!

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
PU     Patch Update
```

You have PENDING ALERTS
Enter "VA to jump to VIEW ALERTS option

You've got PRIORITY mail!

Select Installation Option: **1** Load a Distribution
Enter a Host File: USER\$:[LLIN]YS_501_76.KID;1

KIDS Distribution saved on Mar 18, 2003@17:36:41
Comment: MENTAL HEALTH ASSISTANT RELEASE

This Distribution contains Transport Globals for the following Package(s):
Build YS*5.01*76 has been loaded before, here is when:
YS*5.01*76 Install Completed
was loaded on Mar 18, 2003@15:57:42
OK to continue with Load? NO// **YES<RET>**

Distribution OK!

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

Installation Instructions

YS*5.01*76

Use INSTALL NAME: **YS*5.01*76** 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
PU     Patch Update
```

You have PENDING ALERTS

Enter "VA to jump to VIEW ALERTS option

You've got PRIORITY mail!

```
Select Installation Option: 6  Install Package(s)
Select INSTALL NAME:      YS*5.01*76      Loaded from Distribution
3/18/03@17:42:0
```

```
4
=> MENTAL HEALTH ASSISTANT RELEASE ;Created on Mar 18, 2003@17:36:41
```

This Distribution was loaded on Mar 18, 2003@17:42:04 with header of
MENTAL HEALTH ASSISTANT RELEASE ;Created on Mar 18, 2003@17:36:41

It consisted of the following Install(s):

YS*5.01*76

Checking Install for Package YS*5.01*76

Install Questions for YS*5.01*76

Incoming Files:

601 MH INSTRUMENT (including data)

Note: You already have the 'MH INSTRUMENT' File.

I will OVERWRITE your data with mine.

601.3 COPYRIGHT HOLDER (including data)

Note: You already have the 'COPYRIGHT HOLDER' File.

I will OVERWRITE your data with mine.

601.6 MH MULTIPLE SCORING (including data)

Note: You already have the 'MH MULTIPLE SCORING' File.

I will OVERWRITE your data with mine.

604.68 ASI NARRATIVE (including data)
Note: You already have the 'ASI NARRATIVE' File.
I will OVERWRITE your data with mine.

Want KIDS to INHIBIT LOGONs during the install? YES// **NO<RET>**
Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// **NO<RET>**

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>** VIRTUAL CONNECTION

Install Started for YS*5.01*76 :
Mar 18, 2003@17:42:31

Build Distribution Date: Mar 18, 2003
YS*5.01*76

Installing Routines:
Mar 18, 2003@17:42:32

Installing Data Dictionaries:
Mar 18, 2003@17:42:32

Installing Data:
Mar 18, 2003@17:42:55

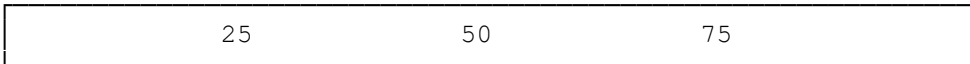
Updating Routine file...

Updating KIDS files...

YS*5.01*76 Installed.
Mar 18, 2003@17:42:56

Install Message sent #8227970

100%
Complete



Post Installation Instructions

After the *VistA* Mental Health Assistant Version 2 Patch YS*5.01*76, has been successfully installed the following instructions **must** be applied for the software application to function as designed:

Client Software:

NOTE: This version of the client software can be installed as either a patch to the existing client software or as a **new** installation.

IRM Staff:

NOTE: USERS installing 1.0.2.9 software on a Window NT or Windows 2000 environment **must** have Administrator privileges on the PC Workstation platform.

NOTE: In MHA Version 1, the executable was named YS50171_MHA.exe to reflect both the associated *VistA* Patch YS*5.01*71 and the Delphi application build number (123). However, this method of naming the executable will require a new name with each release, which will increase the difficulty of installing future releases. In MHA Version 2, the executable is named YS_MHA.exe, which will be used for all future MHA software releases.

VistA MHA 2 Files Retrieval Locations and Formats

MHA Version 2, software files are available on the following OIFOs ANONYMOUS SOFTWARE directories. All sites are encouraged to use their FTP capability to obtain these files. Use the FTP address “download.vista.med.va.gov” (without the quotes) to connect to the first available FTP server where the files are located.

OIFOs	FTP ADDRESS	DIRECTORY
Albany	ftp.fo-albany.med.va.gov	[ANONYMOUS.SOFTWARE]
Hines	ftp.fo-hines.med.va.gov	[ANONYMOUS.SOFTWARE]
Salt Lake City	ftp.fo-slc.med.va.gov	[ANONYMOUS.SOFTWARE]

VISTA MHA 2 Files Retrieval Formats

File Name	Contents	Retrieval Formats
YS_501_76.KID		ASCII
YS50176_Setup_124.exe	Mental Health Assistant This file is the complete install for the Mental Health Assistant GUI Version 1.0.2.9 client.	BINARY
- YS_MHA.exe	MHA2 Executable	
- YS_MHA_SD.exe	Secure Desktop Executable	
- YS_MHA_KH.DLL	Keyboard Hook DLL used by Secure Desktop	
- YS_MHA.Hlp	Online Help file	
- YS_MHA.GID	Online Help configuration file	
- YS50176_MHA2_IG.PDF	YS_MHA2 Installation Guide	BINARY
- YS50176_MHA2_IG.DOC	YS_MHA2 Installation Guide	BINARY
- YS50176_MHA2_UM.PDF	YS_MHA2 User Manual	BINARY
- YS50176_MHA2_UM.DOC	YS_MHA2 User Manual	BINARY

2. Copy the YS50176_Setup_124.EXE to an empty (temporary or scratch) directory.

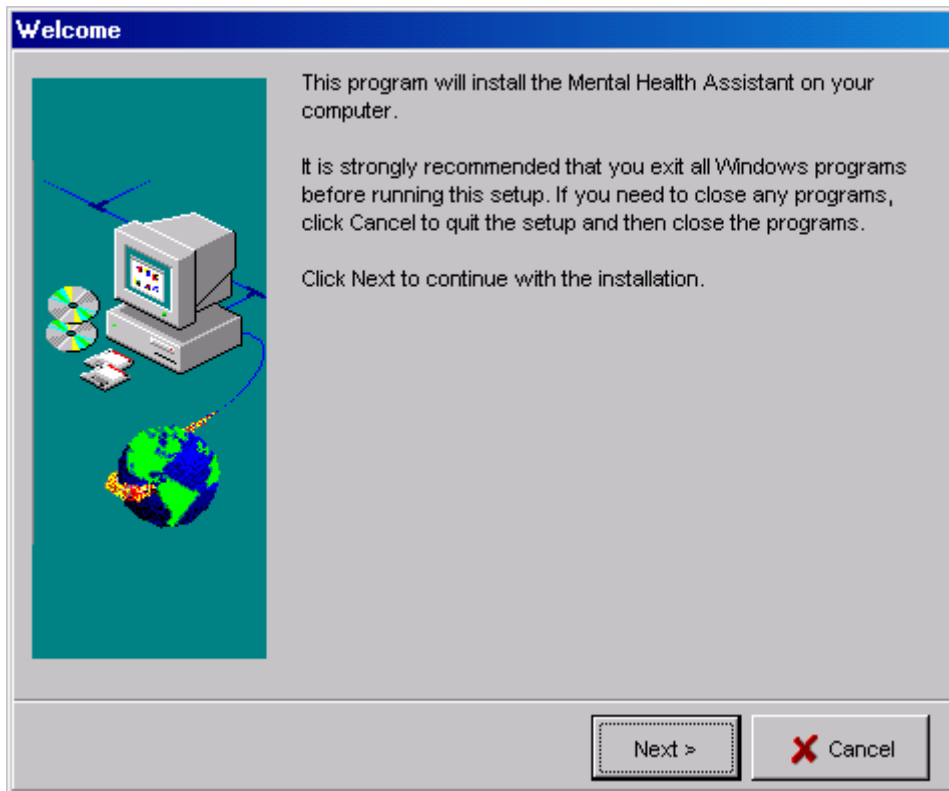
3. Run the YS50176_Setup_124.EXE file (i.e., double click on it). This starts the MHA 2, installation process. (See the Mental Health Assistant Version 2 software Installation process illustrations on the following pages).

Mental Health Assistant Install Windows Illustrations

The following illustrates the **Mental Health Assistant Install windows**. When the default responses are accepted, MHA 2 is installed into the appropriate *Vista* directory on the user's workstation.

Installing Mental Health Assistant on your Computer

Example: From the **Mental Health Assistant Welcome** dialog box, **click** on the **Next** command button (located at the bottom of the window) to continue with the install. The **Choose Destination Location** dialog box will appear next stating, "Which drive do you want to install this program into?"



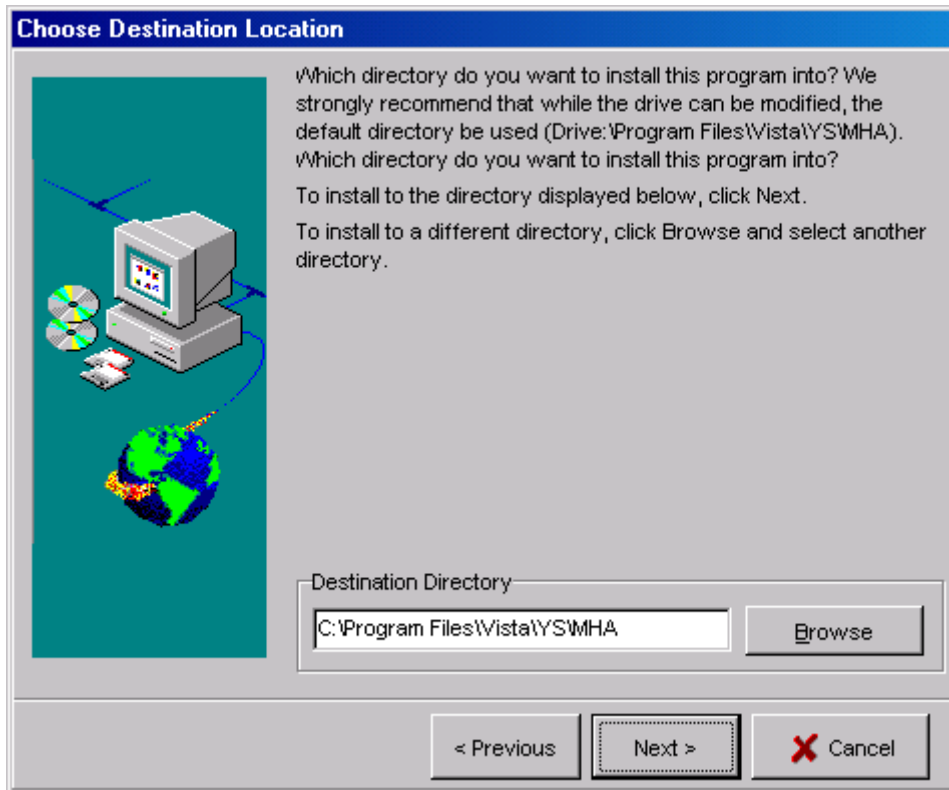
Choose Destination Location

Example: The **Choose Destination Location** dialog box text asks “Which directory do you want to install this program into? We strongly recommend that while the drive can be modified, the default directory be used (Drive:\Program Files\Vista\YSMHA).

Which directory do you want to install this program into?

To install to the directory displayed below, click Next.

To install to a different directory, click Browse and select another directory.



Setup complete

Example: The **Setup complete** dialog box text states that, “The Mental Health Assistant has been properly installed. You may start the software by clicking on the icon on your desktop.”

Click on the **Finish** command button (located within the dialog box bottom right side) and the MHA software application setup is complete.

