

HIV Status

Only visible for TB Disease, TB Infection and STD conditions and users must have the role of HIV User, HIV QA, HIV Admin.

10/31/2011 Post Test Counseling Section added. Only enabled for STD users.

1. Screen Prototype at Initial Load

State Number:

Testing Status

HIV Status: HIV Status Date: (mmddyyyy)

Status Based On:

If Not Offered or Unknown:

Reason: Other Reason:

HIV Status	HIV Status Date	Status Based On	Reason	Entry Date	Entered By
Edit Remove NEGATIVE	03/01/2011	UNKNOWN		10/04/2011	SWADM04
1					

Treatment

Drug:

Other Drug:

Dosage: Frequency:

Duration: Start Date: (mmddyyyy)

Route: Other Route:

Treatment Facility: [Search](#)

At Completion of Therapy: (mmddyyyy)

End Date: (mmddyyyy)

Doses Administered:

Drug	Dosage	Freq	Duration	Start Date	End Date	Doses Admin	Entry Date	Entered By
Edit Remove INDINAVIR	50 MG			09/05/2011			10/04/2011	SWADM04
1								

Post Test Counseling (STD Only)

PTC Status:

Counseling Date: (mmddyyyy) Counseling Year:

Worker Number:

PTC Status	Counseling Date	Counseling Year	Worker Number	Entry Date	Entered By
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Screen Display

- Lock Entry Fields
 - No Wrap
 - Yellow Space is added to right of fields/labels (not in the middle or left)
- Grids set to 100% of full page
- Add to List and Clear set to top right most of grid
- Subheader titles (if needed) are bold
- No borders on sections/tables

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2. Screen prototype: Click Edit Link

The screenshot shows a web browser window displaying a web application for the Missouri Department of Health and Senior Services. The page title is "HIV Status". The browser address bar shows "http://devoapp/webmohsis/default.aspx?cc=Person". The page header includes "State of Missouri DEPARTMENT OF HEALTH AND SENIOR SERVICES" and "Username: swadm04 Agency: DOH-CENTRAL OFFICE".

The main form area contains the following fields and controls:

- Counted Jurisdiction: * COLE (dropdown)
- Counted Jurisdiction Type: * CASE (dropdown)
- Manage Jurisdiction: * COLE (dropdown)
- Manage Jurisdiction Type: * CASE (dropdown)
- Condition Status: * CLINICAL CASE (dropdown) with a link to "CDC Case Definitions"
- Update button
- State Patient Number: (text input)
- Testing Status section:
 - HIV Status: * POSITIVE (dropdown)
 - HIV Status Date: 08/01/2008 (calendar icon, format: (mmddyyyy))
 - Status Based On: MEDICAL DOCUMENTATION (dropdown)
 - If Not Offered or Unknown: (dropdown)
 - Other Reason: (text input)
 - Replace button
- Table with columns: HIV Status, HIV Status Date, Status Based On, Reason, Entry Date, Entered By.
 - Row 1: POSITIVE, 08/01/2008, MEDICAL DOCUMENTATION, (blank), 09/03/2008, SWADM04
- Treatment section:
 - Drug: * (dropdown)
 - Other Drug: (text input)
 - Dosage: (text input)
 - Frequency: (dropdown)
 - Duration: (text input)
 - Start Date: (calendar icon, format: (mmddyyyy))
 - Route: (dropdown)
 - Other Route: (text input)
 - Treatment Facility: Search (text input)
 - At Completion of Therapy: (text input)
 - End Date: (calendar icon, format: (mmddyyyy))

3. JURISDICTION BASED SECURITY –

EDIT link is only available to users that have access for the manage jurisdiction for the condition.

- Refer to properties in Global.ascx.vb file for proper security roles and screen displays. (Ex. ViewHIV, viewTBDisease, viewCD)

4. JavaScript validations and behaviors:

- Date Fields: (HIV STATUS DATE, START DATE, END DATE)
 - Display should include label, entry field, calendar icon, and format [Label: (mmddyyyy)]
 - Display "Invalid Date" to the right of the Date field that is not a valid date (i.e. does not have a valid month day year combination) as soon as the user leaves the field. Earliest valid date is 01011800.
 - Date fields - listed above – 10 (must have day and slashes in this date so it must be exactly 10 characters)
 - When click the calendar icon and select a date, keep the cursor on the date field so the user can tab to the next field.
 - Only allow entry of numbers and slashes (no characters)

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- When the user scrolls, save the position. When the screen reloads, use the latest scroll position to redisplay the screen in the same position as it was before the reload.
- For numeric fields (Dosage, Duration, Number Doses Administered) no entry of characters.
- Use JavaScript on select of HIV Status (test)
 - If 'NOT OFFERED' or 'UNKNOWN' is selected
 - Reason field enabled
 - If not
 - Reason field disabled
 - If 'UNKNOWN' is selected and Reason is blank
 - Default Reason to 'OTHER'
- Use JavaScript on select of Reason
 - If 'OTHER' is selected
 - Other Reason field enabled
 - If not
 - Other Reason field disabled
- Use JavaScript on select of drug (treatment)
 - If 'OTHER' is selected
 - Other Drug field enabled
 - If not
 - Other Drug field disabled
- Use JavaScript on select of route (treatment)
 - If 'OTHER' is selected
 - Other Route field enabled
 - If not
 - Other Route field disabled

5. Coding

- Paging will be available in the list grids to show five at a time and add paging when there are more than five rows of information. Keep the current sort order when paging.
- The tab order should default as top to bottom left to right unless otherwise stated.
- No more than the maximum number of characters can be entered into the following fields:
 - State Patient Number – 10
 - Other Reason – 64
 - Other Drug – 64
 - Dosage – 4 (digits only)
 - Duration – 4 (digits only)
 - Other Route – 64 (alphanumeric)
 - Treatment Facility – 64 (alphabetic)
 - Number Doses Administered – 3 (digits only)
 - Counseling Year – 4
- All text boxes transform text to uppercase on entry
- Trim all spaces from beginning and end of textbox.
- Grid Sort
 - Sort list as follows: Testing Status by Entry Date descending, Treatment by Entry Date descending, Post Test Counseling by Entry Date descending.
 - When click column header in grid, check that the sort is currently on that column.
 - If true

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Sort list on that column ascending/descending (opposite current sort)

- If false
 - Sort list on that column ascending
- When click a column header to change the sort, restart the user on page 1 of the grid with the new sort order.
- Dates sort include the month, day and year.
- Drop down lists
 - **HIV Status** (List Name: HIV STATUS)
 - **Status Based on** (List Name: STATUS BASED ON)
 - **Reason** (List Name: REASON FOR HIV STATUS)
 - **Drug** (List Name: DRUG FOR TREATMENT Filter Value: HIV)
 - **Dosage** (List Name: DOSAGE)
 - **Frequency** (List Name: FREQUENCY)
 - **Duration** (List Name: DURATION)
 - **Route** (List Name: ROUTE)
 - **Post Test Counseling** (List Name: POST TEST COUNSELING)

6. Display grid links

- **Before Save** of Record – Display [Edit](#) and [Remove](#) links
- **After Save of Record – Display**
 - Update and QA Role – [Edit](#) link only
 - Admin Role – [Edit](#) and [Remove](#)

7. Error Messages

- Display in the order of the fields on the screen when [Add to List](#) is clicked or the **Save** button.
 - **Error messages**
 - State Patient Number is invalid unless the HIV Status is 'POSITIVE'
 - State Patient Number must be alphanumeric, punctuation cannot be entered
 - **Status error messages**
 - HIV Status is required
 - HIV Status Date is required when HIV Status is 'NEGATIVE', 'INDETERMINATE', 'PATIENT REFUSED', 'NOT OFFERED' or 'TEST DONE RESULTS UNKNOWN'
 - HIV Status Date cannot be prior to the Person's Date of Birth
 - HIV Status Date cannot be a future date
 - The HIV Status Date is already in the list
 - Status Based on is required when HIV Status is 'POSITIVE'
 - Status Based on 'MEDICAL DOCUMENTATION' is valid only when HIV Status is 'NEGATIVE', 'POSITIVE', 'INDETERMINATE' or 'TEST DONE RESULTS UNKNOWN'
 - Reason can only be entered when HIV Status is 'NOT OFFERED' or 'UNKNOWN'
 - Reason is required when HIV Status is 'NOT OFFERED' or 'UNKNOWN'
 - Other Reason is required when 'OTHER' is selected
 - Other Reason cannot be entered when the same Reason can be selected
 - Other Reason must be alphanumeric, punctuation cannot be entered
 - Information has been entered to add to a list, click Add to List or Clear the information
 - **Treatment error messages**
 - Drug is required

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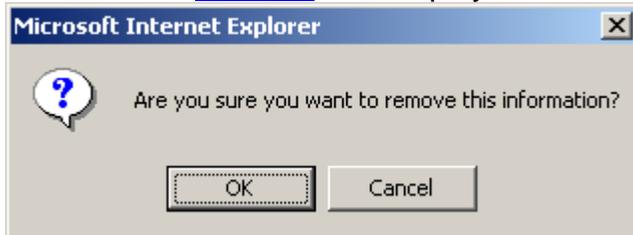
- Other Drug is required when 'OTHER' is selected
- Other Drug cannot be entered when a Drug is selected
- Other Drug alphanumeric with a minimum of 3 characters and a maximum of 64
- Other Drug cannot be entered when the same Drug can be selected
- One Dosage field cannot be entered without the other
- One Duration field cannot be entered without the other
- Start Date cannot be prior to the Person's Date of Birth
- Start Date must be prior to End Date
- End Date cannot be a future date
- End Date cannot be prior to the Person's Date of Birth
- Information has been entered to add to a list, click Add to List or Clear the information
- The current combination is already in the list
- Other Route is required when 'OTHER' is selected
- Other Route cannot be entered when a Route is selected
- Other Route cannot be entered when the same Route can be selected
- Other Route must be alphanumeric, punctuation cannot be entered
- Treatment Facility must be alphabetic, punctuation cannot be entered
- **Post Test Counseling error messages**
 - Counseling Date or Counseling Year is required.
 - Counseling Date or Year cannot be prior to person's date of birth
 - Counseling Date must be prior to Status Date of the Worker
 - Worker Number is required.

8. Buttons & Links

- Validation to display messages to the user will not be performed on Clear, Cancel or on Cancel
- a. When click a link that will bring up another page, display a popup with the pyramid image and a message such as of "Working, please wait..." as per standards
- b. When click **Cancel** button, reload screen.
- When click Clear link
 - Clear out the entry fields in that section
 - Clear out error messages in that section.
- When click an Add to List link, validate entry fields in that section and their combinations.
 - If passes validation
 - Add those items to the grid in a new row that has a Remove link sorted the same as before clicking the link.
 - Clear out entry fields in that section and
 - Clear out error messages in that section
 - Display the page of the grid that the new row is added to.
 - If fails validation
 - Display the error messages above the entry fields in that section
- When click the **Save** button check to see if anything has been entered but not added to a list.
 - If true display
 - "Information has been entered to add to a list, click Add to List or Clear the information" in the section(s) and do not save.
 - If false and it passes all edits
 - Save to the database.
- When click an Edit link to edit a record

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- Clear out error messages in that section
- Display information for that row in the entry fields
- Hide its Add to List and Clear links
- Show its Replace and Cancel links in the row
- Hide the Edit and Remove links in that row
- When click [Replace](#) link to replace a record, do the same as when click [Add to List](#) link, but if it passes validation then show its [Add to List](#) and [Clear](#) links and hide its [Replace](#) link.
- When click [Cancel](#) link to cancel edit of a record, do the same as when click the [Clear](#) link. Then show its [Add to List](#) and [Clear](#) links and hide its [Replace](#) link.
- When click a [Remove](#) link, display the following popup.



- If the user clicks OK,
 - Remove the row from the grid display and if it was the only row, display “No items” as displayed in the screen shot above and
 - Clear out the entry fields in that section and
 - Clear out error messages in that section.
- If the user clicks Cancel
 - Do not remove the row from the grid display
 - Do not clear any entry fields or error messages.

9. Validate the following:

- c. Display
 - i. HIV Screen only available under TB DISEASE condition.
 - ii. Reset filter to condition name when the user leaves the HIV STATUS screen.
- d. Ensure that at least two different ‘OTHER’ Reasons can be added to the list in the Testing Status section.
- e. Display a warning popup when the user tries to Add to List with a HIV Status Date that is greater than six months of the Diagnosis Date (stored in the SURVWEB_COND_DATE table).
 - Say, “HIV Status Date is greater than six months of the Diagnosis Date. Are you sure you want to add this information?”
 - If user clicks OK
 - Continue with adding the item to the list.
 - If user clicks Cancel
 - Do not add the item to the list.

II. Database routines – Screen Information

- a. The MOHSAIC database, data warehouse and these screens all need to be locked down so that only users with the appropriate HIV roles can access them. Nurses and Cases Managers may have access to this screen.
- b. Retrieval of the user’s security to display the View and Update screens appropriately (A user may be able to enter information, but not be able to view information once it is saved.)

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- c. Retrieval of CONDITION.DIAGNOSIS_DATE for the warning noted above.
- d. HIV information will be stored in the HIV tables:

HIV information will be stored in the new HIV table as shown below.

Table:	Field on Screen	Database column	
SURVWEB.SURVWEB_HIV	NA – PRIMARY KEY	..._ID	Generate the PRIMARY KEY
PK SURVWEB_HIV_ID	NA – FOREIGN KEY	..._ID	Set FOREIGN KEY
SURVWEB_PARTY_ID STATE_PATIENT_NUMBER ENTRY_USERID ENTRY_DATETIME LAST_CHANGED_USERID LAST_CHANGED_DATETIME	State Patient Number	STATE_PATIENT_NUMBER	
NA		ENTRY_DATETIME	Set ENTRY_DATETIME = SYSDATE
NA		ENTRY_USERID	Set ENTRY_USERID = userid
NA		LAST_CHANGED_DATE TIME	NULL
NA		LAST_CHANGED_USER ID	NULL

Testing Status information will be stored in the new HIV_TESTING_STATUS table as shown below.

Table:	Field on Screen	Database column	
SURVWEB.SURVWEB_HIV_TESTING_STATUS	NA – PRIMARY KEY	..._ID	Generate the PRIMARY KEY
PK SURVWEB_HIV_TESTING_STATUS_ID	NA – FOREIGN KEY	..._ID	Set FOREIGN KEY
FK1 SURVWEB_HIV_ID HIV_STATUS HIV_STATUS_DATE STATUS_BASED_ON REASON REASON_OTHER ENTRY_USERID ENTRY_DATETIME LAST_CHANGED_USERID LAST_CHANGED_DATETIME	HIV Status	HIV_STATUS	
	HIV Status Date	HIV_STATUS_DATE	
	Status Based on	STATUS_BASED_ON	
	Reason	REASON	
	Other Reason	REASON_OTHER	
NA		ENTRY_DATETIME	Set ENTRY_DATETIME = SYSDATE
NA		ENTRY_USERID	Set ENTRY_USERID = userid
NA		LAST_CHANGED_DATE TIME	NULL
NA		LAST_CHANGED_USER ID	NULL

HIV Treatment information will be stored in the new HIV_TREATMENT table as shown below.

Table:	Field on Screen	Database column	
SURVWEB.SURVWEB_HIV_TREATMENT	NA – PRIMARY KEY	..._ID	Generate the PRIMARY KEY
PK SURVWEB_HIV_TREATMENT_ID	NA – FOREIGN KEY	..._ID	Set FOREIGN KEY
FK1 SURVWEB_HIV_ID DRUG_NAME DRUG_OTHER DOSAGE DOSAGE_UNIT FREQUENCY DURATION	Drug	DRUG_NAME	

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	Other Drug	DRUG_OTHER	
	Dosage	DOSAGE	
	Dosage unit	DOSAGE_UNIT	
	Frequency	FREQUENCY	
	Duration	DURATION	
	Duration unit	DURATION_UNIT	
	Start Date	START_DATE	
	Route	ROUTE	
	Other Route	ROUTE_OTHER	
	Treatment Facility	TREATMENT_FACILITY	
	End Date	END_DATE	
	Number Doses Administered	NUMBER_DOSES_ADMINISTERED	
	NA	ENTRY_DATETIME	Set ENTRY_DATETIME = SYSDATE
	NA	ENTRY_USERID	Set ENTRY_USERID = userid
	NA	LAST_CHANGED_DATE TIME	NULL
	NA	LAST_CHANGED_USER ID	NULL

Post Test Counseling information will be stored in the new HIV_Post Test Counseling table as shown below.

Table:	Field on Screen	Database column	
	NA – PRIMARY KEY	SURVWEB_HIV_POST_TEST_COUNSEL_ID	Generate the PRIMARY KEY
	NA – FOREIGN KEY	SURVWEB_HIV_ID	Set FOREIGN KEY
	Post Test Counseling	PTC_STATUS	
	Counseling Date:	COUNSELING_DATE	
	Counseling Year:	COUNSELING_YEAR	
	Worker Number	WORKER_NUMBER	
	NA	ENTRY_DATETIME	Set ENTRY_DATETIME = SYSDATE
	NA	ENTRY_USERID	Set ENTRY_USERID = userid
	NA	LAST_CHANGED_DATE TIME	NULL
	NA	LAST_CHANGED_USER ID	NULL

III. Database routines – NOTES or COMMENTS

- a. No notes or comments on HIV STATUS screen.