

Field Record – Tests and Treatments

I. TreeView

Add STD Field Records to the TreeView

This node is only visible when the user has an STD role. The treeview below is based on a user that has all roles (CD, TB, Hep B, STD)

PERSON NAME

- Locators

 - Addresses

 - Telephone

 - Email Addresses

- Alternate Contacts

- History

- Provider Roles

- Vaccinations

- Hep B Case Management

 - Case Management

 - Tests

 - Resolutions

 - List CM Notes

- STD Field Records (this is a listing of Field Records)

 - FR 1233454667

 - Tests/Treatments

 - HIV Information (only visible if one of the conditions is HIV or if one of the conditions has and HIV status of 02, 03, 04, or 05)

 - List FR Notes

CONDITIONS

 - Add Condition*

 - GIARDIASIS

 - SYPHILIS

 - Condition History

 - Tests

 - Treatments

 - Associated Field Records

 - Interview Record

 - Symptoms

 - Treatments

 - HIV Status

 - Resolution

 - List Condition Notes

 - Confirmation

 - GONORRHEA

Field Record – Tests and Treatments

II. FIELD RECORD TESTS/TREATMENTS – Sub node to Field Record

STD Field Record Tests/Treatments for LAST, FIRST (Party ID: 122333233)

Date of Birth: 09/25/1987 Sex: FEMALE Race: WHITE Current Gender: MALE

Top Piece will display here

Tests

Submitter:	Search ST MARY'S HOSPITAL LAB 100 ST MARYS BLVD. JEFFERSON CITY, MO 65101	Laboratory:	Search ST MARY'S HOSPITAL LAB 100 ST MARYS BLVD. JEFFERSON CITY, MO 65101
Submitter Physician:	SMITH, JOHN MD <input type="checkbox"/>		
Result Date:	05/24/2010 <input type="checkbox"/>		
Test Type:	HBSAG <input type="checkbox"/>		
Other Test Type:	<input type="text"/>		
Specimen Date:	05/24/2010 <input type="checkbox"/>		
Specimen Type:	BLOOD <input type="checkbox"/>	Other Specimen Type:	<input type="text"/>
Qualitative Result:	NEGATIVE <input type="checkbox"/>	Other Result:	<input type="text"/>
Quantitative Result:	> <input type="checkbox"/> 10 <input type="checkbox"/> MG <input type="checkbox"/>	Reference Range:	<input type="text"/>
Post Test Counseled:	YES <input type="checkbox"/>	Counseling Date:	02/02/2011 <input type="checkbox"/>
Worker ID:	123 <input type="checkbox"/>		

[Add to List](#) [Clear](#)

	Result Date	Test Type	Qualitative Result	Quantitative Result	Specimen Date	Entry Date	Entered By
Edit Remove	02/01/2011	GC-CULTURE	POSITIVE		02/01/2011	02/05/2011	BUSCHM
Edit Remove	02/05/2011	REACTOR	02/05/2011		02/05/2011	02/05/2011	BUSCHM

Treatments

Drug:	DRUG <input type="checkbox"/>	Other Drug:	<input type="text"/>
Dosage:	10 <input type="checkbox"/> ML <input type="checkbox"/>	Frequency:	TWICE DAILY <input type="checkbox"/>
Duration:	10 <input type="checkbox"/> DAYS <input type="checkbox"/>	Start Date:	02/02/2011 <input type="checkbox"/>
Treatment Facility:	Search		
Facility Physician:	SMITH, JOHN MD <input type="checkbox"/>		

[Add to List](#) [Clear](#)

	Drug	Dosage	Duration	Start Date	Treatment Adequate	Entry Date	Entered By
Edit Remove	DRUG ONE	10 MG	10 DAYS	02/01/2011	INADEQUATE	02/05/2011	BUSCHM
Edit Remove	DRUG TWO	10 MG	10 DAYS	02/05/2011	ADEQUATE	02/05/2011	BUSCHM

NOTES:

Save **Cancel**

Field Record – Tests and Treatments

CHANGE REQUEST 9/29/2011 - Capture the Treatment Facility and the Facility Physician on the FR treatment.

No * are shown on the screen because tests can be added without adding treatments and treatments may be added without adding tests. When the user clicks “Add to List” on one of the grids, the validations for that section will be completed.

III. 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
- The tab order should default as top to bottom left to right unless otherwise stated.

IV. Edit/Update Field Record Screen-Jurisdiction Based Security (all field record screens)

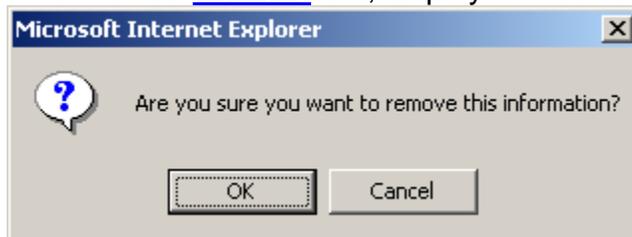
- a. Determine if field record should be visible for the user – Does the user have access to the jurisdiction for this field record.
- b. If READ ONLY is NO, when the screen initially displays, then make VISIBLE all [Edit](#), [Add to List](#), [Clear](#), [Remove](#) links and the **SAVE** button at the bottom of the right frame screen. (all field record screens – 1. Field Record, 2. Tests/Treatments, 3. HIV Information.)
- c. If READ ONLY is YES, when the screen initially displays, then make INVISIBLE all [Edit](#), [Add to List](#), [Clear](#), [Remove](#) links and the **SAVE** button at the bottom of the right frame screen. (all field record screens – 1. Field Record, 2. Tests/ Treatments, 3. HIV Information.)

V. Entry of records for GRIDS

- a. After information has been entered into the entry fields
 - i. When click a [Clear](#) link, 1) clear out the entry fields in that section and 2) clear out error messages in that section.
 - ii. When click an [Add to List](#) link, validate the entry fields in that section and their combinations.
 1. If passes validation,
 - a. Add those items to the grid in a new row that has a [Remove](#) link sorted the same as prior to clicking the link and
 - b. Clear out the entry fields in that section and
 - c. Clear out error messages in that section.

Field Record – Tests and Treatments

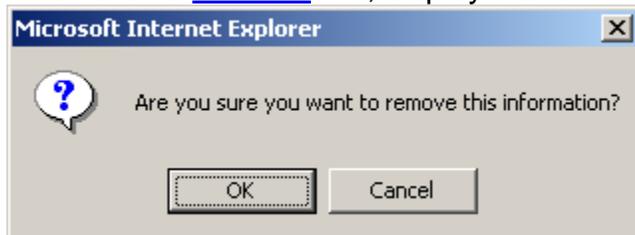
2. If fails validation, display the error messages above the entry fields in that section.
- iii. When click a [Remove](#) link, display the following popup.



1. If click, **OK**,
 - a. Remove the row from the grid display and
 - b. Clear out the entry fields in that section and
 - c. Clear out error messages in that section.
2. If click **Cancel**, then do not remove the row from the grid display and do not clear any entry fields or error messages.

VI. Edit/Remove of records for GRIDS

- a. When click an [Edit](#) link to edit a record
 - i. Clear out error messages in that section
 - ii. Display the information for that row in the entry fields
 - iii. Hide its Add to List and Clear links
 - iv. Show its Replace and Cancel link instead in the row
 - v. Hide the Edit and Remove links in that row
- b. 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.
- c. 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.
- d. When click a [Remove](#) link, display the following popup.



- i. If click, **OK**,
 1. Remove the row from the grid display and
 2. Clear out the entry fields in that section and
 3. Clear out error messages in that section.
- ii. If click **Cancel**, then do not remove the row from the grid display and do not clear any entry fields or error messages.

Field Record – Tests and Treatments

VII. Validate the following

- a. Display on Grids
 - i. Before Save of Record – Display
 1. [Remove](#)
 2. [Edit](#)
 - ii. After Save of Record – Display
 1. Update and QA Role – [Edit](#)
 2. Admin Role – [Remove](#) and [Edit](#)
- b. Drop down lists are loaded correctly:
 - **SUBMITTER PHYSICIAN** – After the submitter is chosen, populate list with medical personnel associated with the provider.
 - Pull this list of names from PARTIES associated to the SUBMITTER (only when the submitter is an ORGANIZATION).
 - Medical personnel associated with the organization are stored in SURVWEB_PARTY_ASSOC_PARTIES where TYPE = “MEDICAL PERSONNEL” and STATUS = “ACTIVE”. The submitter id is the SURVWEB_PARTY_ID and the Submitter Physician is the ASSOCIATED_PARTY_ID.
 - **TEST TYPES** same list as condition diagnostics for STD conditions.
 - **QUALITATIVE RESULTS** Same list as condition diagnostics except will not include POSITIVE except for HIV tests.
 - **SPECIMEN TYPES – List Name: Specimen Type – filtered by condition**
 - BLOOD
 - SALIVA
 - CERVIX
 - LESION-EXTRA GENITAL
 - LESION-GENITAL
 - LYMPH NODE ASPIRATE
 - NASO-PHARYNX
 - NOT APPLICABLE
 - OPHTHALMIA/CONJUNCTIVA
 - OTHER
 - OTHER ASPIRATE
 - RECTUM
 - UNKNOWN
 - URETHA
 - URINE
 - VAGINA
 - **QUANT_RESULT_INDICATOR – List Name: Quant Result Indicator**
 - GREATER THAN
 - LESS THAN
 - EQUAL
 - **QUANTITATIVE_RESULT_UNIT** Dropdown for qualitative results will not include POSITIVE except for HIV tests
 - NEGATIVE

Field Record – Tests and Treatments

- INDETERMINATE
- UNSATISFACTORY
- CONTAMINATED
- AWAITING RESULTS
- OTHER
- **POST TEST COUNSELED – List Name: Yes No Unknown**
 - YES
 - NO
 - UNKNOWN
- **WORKER NUMBER**
 - Pull from Worker Table where status is ACTIVE.
- **DRUG – List Name: Drug for Treatment (use same list for condition and field record)**

Amoxicillin
Azithromycin
Benzathine Penicillin (Bic)
Cefixime
Cefotaxime
Cefoxitin
Cefpodoxime
Ceftizoxime
Ceftriaxone
Cefuroxime
Doxycycline
Erythromycin base
Erythromycin ethylsuccinate
Levofloxacin
Ofloxacin
Probenecid
Spectinomycin

- **DOSAGE UNIT – List Name: Dosage**

CC
DL
L
LB
MG
ML
OZ
TBSP
TSP
GM
DROPS
G
MU

- **FREQUENCY – List Name: Frequency**

ONCE A DAY (DAILY)
TWICE A DAY (BID)

Field Record – Tests and Treatments

3 TIMES A DAY (TID)
4 TIMES A DAY (QID)
EVERY 3 HOURS
EVERY 4 HOURS
EVERY 6 HOURS
EVERY 8 HOURS
EVERY 12 HOURS
2 X WEEKLY
3 TIMES WEEKLY
PRN (AS NEEDED)
1 X

- **DURATION UNIT**

HOURS
DAYS
WEEKS
MONTHS
YEARS

- ~~ADEQUATE – List Name: Treatment Adequate where filter value =~~
CONDITION.

- ~~ADEQUATE~~
- ~~INADEQUATE~~

REMOVED FROM DESIGN 6/23/11 per Amy Forbis

- c. Display lists as follows:
 - i. Tests Grid (Result Date, Test Type, Qualitative Result, Quantitative Result, Specimen Date, Entry Date, Entered By.)
 - ii. Treatments Grid (Drug, Dosage, Duration, Start Date)
- d. Sort list as follows:
 - i. Tests Grid, Result Date descending
 - ii. Treatment Grid, Drug Ascending
- e. Text Boxes - (Other Test Type, Other Specimen Type, Other Result)
 - i. All text boxes transform text to uppercase on entry
 - ii. Trim all spaces from the beginning and end of textbox text before checking it for errors and before storing it in the database
- f. 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.
- g. Date Fields: (Result Date, Specimen Date, Counseling Date)
 - i. Display should include label, entry field, calendar icon, and format [Label: (mmdyyy)]
 - ii. The calendar controls works correctly.
 - iii. 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.
 - iv. Date fields - listed above – 8 (must have day in this date so it must be exactly 8 digits)
 - v. 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.

Field Record – Tests and Treatments

- vi. Only allow entry of numbers (no characters)
- h. No more than the maximum number of characters can be entered into the following fields:
 - i. Other Test Type – 64
 - ii. Other Specimen Type – 64
 - iii. Other Result – 64
 - iv. Specimen ID - 20
 - v. Quantitative Result – 5 (ensure the database can hold 5 digits)
 - vi. Reference Range – 64
- i. The following error messages display in the order of the fields on the screen if applicable when the user clicks [Add to List](#) or the **Save** button:
 - i. TESTS (to add to list)
 - 1. Test Type is required
 - 2. Specimen Date is required
 - 3. Qualitative or Quantitative Result is required
 - 4. Result Date cannot be a future date
 - 5. Result Date cannot be prior to the person's date of birth
 - 6. Result Date cannot be prior to Specimen Date
 - 7. Specimen Date cannot be a future date
 - 8. Specimen Date cannot be prior to the person's date of birth
 - 9. Specimen ID must be alphanumeric, punctuation cannot be entered
 - 10. Counseling Date cannot be a future date
 - 11. Counseling Date cannot be prior to the person's date of birth
 - 12. The current combination of Test Type, Specimen Date, Qualitative Result or Quantitative Result, Specimen Type is already in the grid.
 - 13. Information has been entered to add to a list, click Add to List or Clear the information
 - ii. TREATMENTS (to add to list)
 - 1. Drug is required
 - 2. Dosage is required
 - 3. Dosage Unit is required.
 - 4. Duration is required
 - 5. Duration Unit is required.
 - 6. Frequency is required
 - 7. Start Date is required
 - 8. Start Date cannot be prior to the Person's Date of Birth
 - 9. Adequate is required
 - 10. The current treatment is already in the grid. (looks at Drug, Drug Other, Dosage, Dosage Unit, Start Date)
 - 11. Information has been entered to add to a list, click Add to List or Clear the information
- j. For numeric fields, use JavaScript to not allow entry of characters.

Field Record – Tests and Treatments

VIII. JavaScript Validations and Behaviors

- a. Treeview – Do not display the Tests/Treatments node under the FR if the FR_COND_TYPE is “FR OP” (Referral basis is REACTOR or FOLLOW UP). The OP should have the TESTS, TREATMENTS associated to the Condition not the field record.
- b. Post Test Counseling, Counseling Date, and Worker ID only enabled when the test is an HIV test

IX. Buttons and Links

- a. Error Messages - Validation to display messages to the user will not be performed on [Clear](#), [Cancel](#) or on [Cancel](#)
- b. Waiting - 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.
- c. When click the [Save](#) button, check
 - i. If passes validations, save to database and display Data Saved screen
 - ii. If fails validations, return error message directly above the Save button that states **•Data has not been saved, see error messages above.**
- d. When click [Cancel](#) button, reload the screen.

X. Print Field Record – REACTOR or FOLLOW UP

- Show the associated conditions (SURVWEB_CONDITION_ID if available and coded diagnosis 200, 300, 700, 900 etc.)
- Show the tests for all associated conditions, grouped by condition and sorted descending by specimen date.
- Show the treatment information for associated conditions grouped by condition and sorted descending by start date.

XI. Print Field Record – PARTNER, ASSOCIATE, CONTACTS, MARGINAL

- Show the associated conditions (SURVWEB_CONDITION_ID if available and coded diagnosis 200, 300, 700, 900 etc.)
- Show the tests for field record (not the conditions) and sorted descending by specimen date.
- Show the treatment information for field record (not the conditions) and sorted descending by start date.

XII. Database

- a. Retrieval of the user's security to display the screen.
- b. Information will be stored in tables as shown below:
- c. At Save, insert records in SURVWEB_FIELD_RECORD_TEST, SURVWEB_FIELD_RECORD_TREATMENT and SURVWEB_FIELD_RECORD_NOTE (note type of TEST/TREATMENT)

Field Record – Tests and Treatments

TABLE NAME: SURVWEB_FIELD_RECORD_TEST

Column	Description
SURVWEB_FIELD_RECORD_TEST_ID	PK
SURVWEB_FIELD_RECORD_ID	FK
SUBMITTER_ID	Survweb_Party_ID of provider chosen as submitter
SUBMITTER_PHYSICIAN_ID	Survweb_Party_ID of physician chosen for the submitter
LABORATORY_ID	Survweb_Party_ID of provider chosen as laboratory
RESULT_DATE	
TEST_TYPE	
TEST_TYPE_OTHER	
SPECIMEN_DATE	
SPECIMEN_TYPE	
SPECIMEN_TYPE_OTHER	
QUALITATIVE_RESULT	
QUANT_RESULT_INDICATOR	>, = OR <
QUANTITATIVE_RESULT	NUMERIC VALUE
QUANTITATIVE_RESULT_UNIT	
REFERENCE_RANGE	
POST_TEST_COUNSELED	
COUNSELING_DATE	
WORKER_NUMBER	
ENTRY_DATETIME	Datetime of entry (can't be null)
ENTRY_USERID	Userid of person entering case (can't be null)
LAST_CHANGED_DATETIME	Datetime when record was last changed
LAST_CHANGED_USERID	Userid of person who last changed the record.

TABLE NAME: SURVWEB_FIELD_RECORD_TREATMENT

Column	Description
SURVWEB_FIELD_RECORD_TREATMENT_ID	PK
SURVWEB_FIELD_RECORD_ID	FK
DRUG	
DRUG_OTHER	
DOSAGE	
DOSAGE_UNIT	
FREQUENCY	
DURATION	

Field Record – Tests and Treatments

DURATION_UNIT	
START_DATE	
TREATMENT_FACILITY_ID	
TREATMENT_FAC_PHYSICIAN_ID	
ENTRY_DATETIME	Datetime of entry (can't be null)
ENTRY_USERID	Userid of person entering case (can't be null)
LAST_CHANGED_DATETIME	Datetime when record was last changed
LAST_CHANGED_USERID	Userid of person who last changed the record.

XIII. Notes

- b. Notes will be saved to SURVWEB_FIELD_RECORD_NOTE with a note type of "TEST OR TREATMENT".

TABLE NAME: SURVWEB_FIELD_RECORD_NOTE –

Column	Description
SURVWEB_FIELD_RECORD_NOTE_ID	PK
SURVWEB_FIELD_RECORD_ID	FK
NOTE_TEXT	
NOTE_TYPE	Where note was entered: FIELD RECORD, TEST OR TREATMENT, HIV INFORMATION
ENTRY_DATETIME	Datetime of entry (can't be null)
ENTRY_USERID	Userid of person entering case (can't be null)
LAST_CHANGED_DATETIME	Datetime when record was last changed
LAST_CHANGED_USERID	Userid of person who last changed the record.