

**MAJOR REDESIGN to be implemented December 2012.**

**Condition variables that are not known at initial entry of condition are moved to secondary page.**

**The Condition page contains:**

- **Address (Primary address is displayed)**
- **Condition Information (Condition Name dropdown is populated based on the application role(s) the user has.**
  - **CD\_... gives access to all Communicable Diseases including Hepatitis conditions.**
  - **TB\_ ...gives access to TB DISEASE, TB INFECTION, and MOTT**
  - **STD\_... gives access to all Sexually Transmitted Diseases**
- **Disease Specific Section**
  - **Complications (Adverse Reactions and Polio Conditions)**
  - **Animal Type (Animal Bite)**
  - **Severity of Illness and Vaccination Type (Varicella Conditions)**
  - **Enrolled/Transfer Information (Hep B Pregnancy condition)**
  - **Count Status and other RVCT variables (TB Disease)**
- **Reporter Information (not visible for STD conditions)**
- **Medical Providers**
- **Notes**

# I. Screen Prototype in ADD MODE

default - Windows Internet Explorer

http://testapp/webmohsis/default.aspx?tc=Person

State of Missouri  
**DEPARTMENT OF HEALTH AND SENIOR SERVICES**  
 Username: swadm04 Sign Out  
 Agency: DOH-CENTRAL OFFICE

Home **Person** Organization Admin Aggregate Reporting Party Match

Search [Instructions](#)

PERSON, SICK

- Locators
  - Addresses (1)
  - Telephones
  - Email Addresses
  - Alternate Contacts
- History
  - Provider Roles
  - Vaccinations
  - Hep B Case Management
  - STD Field Records
- CONDITIONS
  - [Add Condition](#)

ShowMeVax Refresh Tree

\* Denotes required field.

Condition for PERSON, SICK (Party ID = 2167721058)

[Person Address\(s\)](#) [Remove](#)

Address: 4709 RAINBOW DR JEFFERSON CITY, MO 65109-0250 COLE USA

Condition Name: \*

Other Condition Name:

Condition Status: \*

Date of Birth: 10/05/1990 (mmddyyyy) Date of Death:  (mmddyyyy)

Date Rec'd by Public Health: \*  (mmddyyyy)

Date of Diagnosis: \*  (mmddyyyy) Age at Diagnosis: 21 YEARS

Pregnant at Diagnosis:

Due Date:  (mmddyyyy) Outcome Date:  (mmddyyyy)

Pregnancy Outcome:

Reporter Information Investigator Information

Date of Report: \*  (mmddyyyy) Date Case Assigned:  (mmddyyyy)

Reporter: \* [Search](#) Investigator: [Search](#)

Case Report Completed By:

default - Windows Internet Explorer

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PERSON, SICK

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  - Addresses (1)
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- CONDITIONS
  - [Add Condition](#)

ShowMeVax Refresh Tree

Last Name:  First Name:

Medical Providers

Provider: [Search](#)

Kind of Provider:  Other Kind:

Date of First Visit:  (mmddyyyy)

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

Name	Primary	Kind	First Visit	Entry Date	Entered By
1					

Notes

Note:

0 / 2000

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

Entry Date	Note	Entered By
1		



## 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

### III. Application Roles (AFTER SAVE OF CONDITION)

1. VIEW – cannot add or update conditions – View Only role is available for STD only
2. UPDATE – can add and update conditions until the QA COMPLETE has been set to YES
3. QA – can update QA COMPLETE (statewide)
4. ADMIN – can updated QA COMPLETE (statewide)

### IV. Security Jurisdiction

1. Security Jurisdiction is determined when condition is saved and is based on
  - a. Condition Grouping (CD, TB, STD)
  - b. Client Address OR Medical Provider address OR Reporter address (required)
2. Will use the same JURISDICTIONS as other conditions i.e. all counties and need Multi Jurisdiction Selection for Kansas City, Independence, etc and Joplin, Jasper, Newton) – Different program regions will be captured in the data warehouse for reporting.
3. Read Only for users that do not have that security jurisdiction
  - Can add some records (diagnostics, symptoms, etc) but cannot update once they are saved.
  - Cannot add or update some records that are considered Investigation items (Contacts, Resolutions, etc.)

### V. Validate the following

- a. Add Condition Display:
  - Initially when a condition is being entered for a person retrieved, display the person's primary address.
  - After select of disease name, display disease specific sections (below the Condition Section)
    - Count Status and other RVCT variables (TB Disease)
    - Severity of illness and vaccination type (Varicella Conditions)
    - Complications (Adverse Reactions to Vaccinia Vaccination and Polio Conditions)
    - Animal Type (Animal Bits)
    - Hep B Case Management (Hepatitis B Pregnancy)
    - Reporter Section (all CD and TB conditions, not STDs)
- b. Drop down lists are loaded correctly:
  - **Condition Name – Add**
    - When the screen is loaded in **Add** mode: The Values in the SURVWEB\_LOOKUP\_VALUE table will identify all the Condition Names that the user may possibly have access to (such as TB DISEASE, MOTT, CDs, etc...). Display each Condition Name for which the user has an Admin, QA or Update Application Security Role for as follows:

1. TB\_UPDATE, TB\_QA, TB\_ADMIN – (display TB DISEASE, TB INFECTION and MOTT)
  2. CD\_UPDATE, CD\_QA, CD\_ADMIN – (display all general communicable disease conditions including Hepatitis B and C)
  3. HIV\_UPDATE, HIV\_QA, HIV\_ADMIN-(display HIV Status under the TB DISEASE and STD conditions)
  4. STD\_UPDATE, STD\_QA, STD\_ADMIN (display STD conditions)
    - o If the person already has an existing condition identified in the SURVWEB\_LOOKUP\_NAME – LIST NAME: CONDITIONS ONCE IN LIFETIME, remove the condition name from the conditions in the dropdown.
- **Condition Name – View**
    - o When the screen is loaded in **View** mode:
      1. Once a condition has been saved to the database, the condition name can only be changed within a specified category of conditions. See SURVWEB\_LOOKUP\_NAME table- LIST\_NAME: CONDITIONS – Filter Value gives group.
  - **Condition Status-** SURVWEB\_LOOKUP\_NAME table – LIST\_NAME: CONDITION STATUS filtered by selected condition\_name.
  - **Age Type** – SURVWEB\_LOOKUP\_NAME table – LIST\_NAME: DURATION
  - **Pregnant at Diagnosis** - SURVWEB\_LOOKUP\_NAME table – LIST\_NAME: PREGNANT AT DIAGNOSIS
  - **Pregnancy Outcome** – SURVWEB\_LOOKUP\_NAME table – LIST\_NAME: OUTCOME filtered by condition.
  - **Kind of Provider** – SURVWEB\_LOOKUP\_NAME table – LIST\_NAME: SERVICE PROVIDED for CD and TB conditions; use PROVIDER\_TYPES associated to the provider when STD condition.
- c. During an Update, jurisdiction based security – SAVE button is only available to users that have access for the LATEST manage jurisdiction for the condition.
  - d. The page displays as per web standards.
  - e. Grid Display
    - o Before Save of Record – Display
      1. [Edit](#) and [Remove](#) links
    - o After Save of Record – Display
      1. Update and QA Role – [Edit](#) link only
      2. Admin Role – [Edit](#) and [Remove](#)
  - f. Sort the Grids: Providers by descending Entry Date with PRIMARY provider in the first row;
  - g. Age at Diagnosis and Age Type is calculated from Date of Birth and cannot be edited.
    - o Age at Diagnosis Days (1-6 accepted)
    - o Age at Diagnosis Weeks (1-4 accepted)
    - o Age at Diagnosis Months (1-23 accepted)
    - o Age at Diagnosis Years (1-120 accepted)
  - h. If no date of birth, age at diagnosis and age type can be entered and edited. Cannot enter one age field without the other. Age at Diagnosis is required for Varicella conditions.
  - i. The “Pregnant at Diagnosis” label and drop down list enabled only when the person is a FEMALE. So when the person is a MALE or the person’s Sex is UNKNOWN, these will appear grayed out.
  - j. Date of Death – If DATE\_OF\_DEATH is populated in SURVWEB\_PARTY\_PERSON table, then populate the Date of Death field, and the field cannot be edited.
  - k. TEXT BOXES (OTHER\_CONDITION\_NAME)

- All text boxes transform text to uppercase on entry.
- Trim all spaces from the beginning and end of textbox text before checking it for errors and before storing it in the database.
- l. 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.
- m. Date Fields (DATE REC'D BY PUBLIC HEALTH, DATE OF DIAGNOSIS, DATE OF REPORT, DATE OF FIRST VISIT)
  - Display should include label, entry field, calendar icon, and format  
[Label:   (mmddyyyy) ]
  - The calendar controls works correctly.
  - Display **•MMDDYYYY** 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.
  - 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
  - All Date Field – 8 (must have day in this date so it must be exactly 8 digits)
  - Enter 8 digits, at exit of field, input //.
- n. No more than the maximum number of characters can be entered into the following fields:
  - Other Condition Name – 64
- o. Displays only the current Reporter and keeps history in the database of previous reporters.
- p. 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 **Next** or **Save** button:
  - A valid Condition Address, Primary Medical Provider Address or Reporter Address is required (This will keep jurisdiction from being set to Central Office.)
  - Date Rec'd by Public Health is required
  - Date Rec'd by Public Health cannot be a future date
  - Date Rec'd by Public Health cannot be prior to the Person's Date of Birth
  - Condition Name is required
  - Other Condition Name is required if 'OTHER' is selected.
  - Date of Diagnosis is required.
  - Date of Diagnosis cannot be a future date
  - Date of Diagnosis cannot be prior to the Person's Date of Birth
  - Pregnant at Diagnosis is required (when condition is Hepatitis B (Pregnancy) Prenatal or an STD condition.)
  - Due Date or Outcome Date is required (when Pregnant at Diagnosis is YES and the condition is HEPATITIS B (PREGNANCY) PRENATAL)
  - Due Date cannot be prior to Person's Date of Birth
  - Due Date must be within 45 weeks of Rec'd by Public Health
  - Outcome Date cannot be prior to person's date of birth
  - Outcome Date cannot be a future date
  - Outcome Date is required when Pregnant at Diagnosis is Retrospective
  - Outcome Date must be within 45 weeks of Rec'd by Public Health
  - Date of Report is required (for CD and TB conditions)
  - Date of Report cannot be a future date
  - Date of Report cannot be prior to the Person's Date of Birth
  - Reporter is required (for CD and TB conditions)
  - Completed By Last Name must be alphabetic, punctuation cannot be entered
  - Completed By First Name must be alphabetic, punctuation cannot be entered

- Medical Providers

- Provider is required (to add to list)
- The party is already in the list.
- At least one provider is required to save the condition (for STD conditions)
- Other Kind of Provider is required when OTHER is selected.
- Date of Initial Visit cannot be prior to person's Date of Birth
- Date of Initial Visit cannot be after person's Date of Death
- Date of Initial Visit cannot be a future date.

## VI. Condition Specific Validation

- a. On the Add Screen, use JavaScript on select of Condition Name to Hide or Show field labels and their respective data entry controls as follows:
  - If 'OTHER' is selected as the Condition Name, then enable the OTHER CONDITION NAME.
  - If 'TB DISEASE' is selected as the Condition Name, then show the following fields:
    - Previous Diagnosis label and entry field
    - Year of Previous Diagnosis label and entry field and format display
    - Multiple Previous Episodes label and entry field
    - Refugee/Immigrant Class and entry field
    - Immigration Status and entry field (added 10/26/2011)
    - Other Immigration Status and entry field (added 10/26/2011)
    - If not, then hide those fields and the lines they are on.

The screenshot shows a form with the following fields and values:

- Vital Status at Diagnosis: \*
- Refugee/Immigrant Class:
- Previous Diagnosis: \*  Year Previous Diagnosis:  (yyyy)
- Multiple Episodes:

- If 'TB DISEASE' is selected as the Condition Name, then:
  - Use JavaScript on select of Previous Diagnosis to enable or disable field labels and their respective data entry controls as follows:
    - If 'YES' is selected as Previous Diagnosis, then enable Year of Previous Diagnosis and Multiple Previous Episodes
    - If 'NO' or 'UNKNOWN' is selected, disable Year of Previous Diagnosis and Multiple Previous Episodes. If these fields have a value in them, clear fields and then disable those fields.
  - Use JavaScript on select of Immigration Status to enable or disable field labels and their respective data entry controls as follows:
    - If "OTHER" is selected as Immigration Status, then enable Other Immigration Status
- If 'VARICELLA' is selected as the Condition Name, then show the following fields:
  - Severity of Illness label and entry field
  - Number of Lesions label and entry field (added 10/26/2011)
    - If Severity of Illness is "Less Than 50" then enable the Number of Lesions field.
  - Vaccination Section
    - Vaccination Type label and entry field
    - Vaccination Date label and entry field
      - If vaccination type =
        - CHILDHOOD, Use javascript to disable Vaccination Date

- DOCUMENTED, date required
- NEVER VACCINATED, Use javascript to disable Vaccination Date and check to see if another vaccination record is in the grid.
- OCCURRENCE OF DISEASE, date required
- SELF RECALL – date required
- Add to list and clear
- Grid for Vaccination information (can only remove after added – no edit)
- When vaccination type is saved, if record added from MOHSAIC, set data source to MOHSAIC; if record added through the application, set data source to SURVEILLANCE.

If not, then hide those fields and the lines they are on.

Severity of Illness: \* < 50 LESIONS

Vaccination Type  
 Type:  Vaccination Date:  (mmddyyyy) [Add to List](#) [Clear](#)

Type	Vaccination Date	Data Source	Entry Date	Entered By
NEVER VACCINATED	12/03/2007	SURVEILLANCE	12/03/2007	SWADM01
DOCUMENTED	02/11/1975	SURVEILLANCE	12/03/2007	SWADM01

- If 'VARICELLA' is selected as the Condition Name, then return MOHSAIC "Varicella" or "MMR/V" vaccination records with type of "Documented", Vaccination Date = Immunization.Service\_Date, Data\_Source = MOHSAIC.
- If 'ADVERSE REACTIONS VACCINIA VACCINATION or POLIO CONDITION is selected as the Condition Name, then show the following fields:
  - Complication label and entry field
  - 10/26/2011 Added field for OTHER COMPLICATION

Complication: \*

- If 'ANIMAL BITES' is selected as the Condition Name, then show the following fields:
  - Complication label and entry field

Type:  Other Type:

- If 'HEPATITIS B (PREGNANCY) PRENATAL is selected as the Condition Name, then show the following fields and grid:
  - Date Enrolled
  - Transferred, From/To, If out of USA, Country
  - Transfer Grid

Date Enrolled in Case Management: \* 07/01/2010 (mmddyyyy)

Transfer Case from/to Other State/Country:  
 Transferred:  From/To:   
 If out of USA, Country:  [Add to List](#) [Clear](#)

Transferred	From/To	Country	Entry Date	Entered By
<a href="#">Edit</a> <a href="#">Remove</a> IN	NV		09/10/2010	SWADM06

b. Drop down lists are loaded correctly:

- If 'TB DISEASE' is selected, load look ups
  - **Vital Status at Diagnosis** - SURVWEB\_LOOKUP\_VALUE table – LIST\_NAME: VITAL STATUS AT DIAGNOSIS

- **Refugee Immigrant Class** - SURVWEB\_LOOKUP\_VALUE table – LIST\_NAME: REFUGEE IMMIGRANT CLASS
  - **Previous Diagnosis** - SURVWEB\_LOOKUP\_VALUE table – LIST\_NAME: YES\_NO\_UNKNOWN
  - **Multiple Previous Episodes** - SURVWEB\_LOOKUP\_VALUE table – LIST\_NAME: YES\_NO\_UNKNOWN
  - **Immigration Status** - SURVWEB\_LOOKUP\_VALUE table – LIST\_NAME: IMMIGRATION\_STATUS
  - If 'VARICELLA' (3 conditions) is selected, load look ups
    - **Severity of Illness** - SURVWEB\_LOOKUP\_VALUE table – List Name: SEVERITY OF ILLNESS
    - **Vaccination Type** - SURVWEB\_LOOKUP\_VALUE table – List Name: VACCINATION TYPE
  - If 'ADVERSE REACTION, VACCINA VACCINATION' or 'POLIO...' is selected, load look ups
    - **CONDITION\_CLASSIFICATION**- SURVWEB\_LOOKUP\_VALUE table – LIST\_NAME: CONDITION CLASSIFICATION filtered by condition.
  - If 'ANIMAL BITES' is selected, load look ups
    - **ANIMAL TYPE**- SURVWEB\_LOOKUP\_VALUE table – LIST\_NAME: ANIMAL TYPE
  - If 'HEPATITIS B (PREGNANCY) PRENATAL' is selected, load look ups
    - **TRANSFERRED**- SURVWEB\_LOOKUP\_VALUE table – LIST\_NAME: ??
      1. IN
      2. OUT
    - **FROM/TO**- SURVWEB\_LOOKUP\_VALUE table – LIST\_NAME: ?? All STATES and OUT OF USA
    - **IF OUT OF USA, COUNTRY**- SURVWEB\_LOOKUP\_VALUE table – LIST\_NAME: ??
- c. No more than the maximum number of characters can be entered into the following fields:
- Other Condition Name – 64
- d. 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 **Next** or **Save** button:
- SPECIFIC TO TB DISEASE VARIABLES**
- Vital Status at Diagnosis is required
  - Previous Diagnosis is required
  - Year of Previous Diagnosis can only be entered when Previous Diagnosis is 'YES'
  - Year of Previous Diagnosis cannot be prior to the Person's Date of Birth
  - Year of Previous Diagnosis cannot be after Date of Diagnosis
  - Multiple Previous Episodes can only be entered when Previous Diagnosis is 'YES'
  - Immigration Status is required
  - Other Immigration Status is required when OTHER is selected.
- SPECIFIC TO VARICELLA VARIABLES**
- Age at Onset and Age Type is required
  - Severity of Illness is required
  - At least one vaccination type is required
  - Vaccination Type is required
  - Vaccination Date cannot be a future date
  - Vaccination Date cannot be prior to the Person's Date of Birth

- o Vaccination Date is required for DOCUMENTED.
- o Vaccination Date is required for OCCURRENCE OF DISEASE
- o Vaccination Date is required for SELF RECALL
- o Cannot select NEVER VACCINATED if a vaccination record of CHILDHOOD, DOCUMENTED or SELF RECALL is in the grid.

**SPECIFIC TO ADVERSE REACTIONS and POLIO VARIABLES**

- o Complication is required

**SPECIFIC TO ANIMAL BITES**

- o Other Type is required when Other is Selected

**SPECIFIC TO HEPATITIS B (PREGNANCY) CASE MANAGEMENT variables**

- o Date Enrolled is required.
- o Transferred is required (to add to list)
- o From/To is required (to add to list)
- o Country is required if OUT OF USA is selected in From/To

- e. For numeric fields (YEAR OF PREVIOUS DIAGNOSIS), use Java Script to not allow entry of characters
- f. Display **yyyy** in red to the right of the Year of Previous Diagnosis field that is not a valid year (i.e. must be a 4 digit year) as soon as the user leaves the field. Earliest valid year is 1800.
- g. For all conditions except those identified as ONCE IN A LIFETIME CONDITION, display a warning popup when the screen displays in Add mode for a person who already has the same condition in the system. It will say “Are you sure you want to report another occurrence of {CONDITION NAME} for this person?”
  - o If OK, continue with Add and select the condition name
  - o If CANCEL, will return to the Add Disease Case Report Screen and blank out the condition name.



**VII. Buttons & Links**

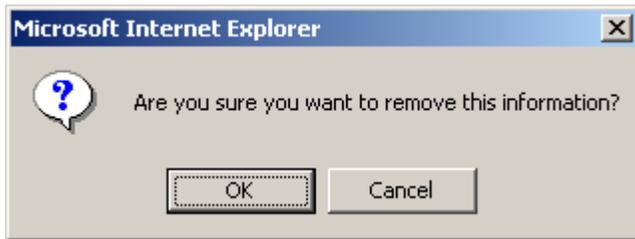
- a. Validation to display messages to the user will not be performed on [Clear](#) or on **Cancel**
- b. When click a link that will bring up another page, display a popup with the pyramid image and a message such as of "Working, please wait..." as per standards.
- c. When click the [Person Address\(s\)](#) link, display the Address list screen in a popup (the Address list screen should appear in a window wide and tall enough that all its fields are visible). This screen lists all the addresses of the person as shown below and an address should be selected by clicking on an address [Select](#) link. When an address is selected, close the address list popup, display the address in the Condition Address field. Also display the Condition Address [Remove](#) link. Closing the Address list screen without a selection should keep the cursor on the [Person Address\(s\)](#) link without changing anything on the Disease Case Report screen.



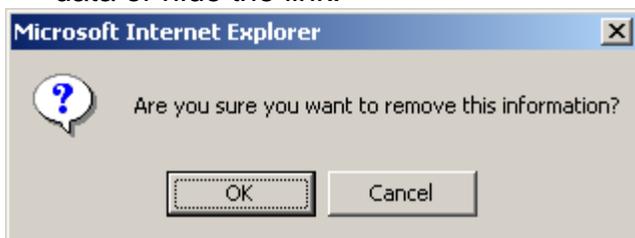
- d. The Condition Address [Remove](#) link should display only if there is a Condition Address. If not, then it should be hidden. When click the Condition Address [Remove](#) link, display the following popup. If the user clicks OK, 1) remove address from the display and 2) hide the Condition Address [Remove](#) link. If the user clicks Cancel, then do not remove the address from the display or hide the link.



- e. When click the [Reporter Search](#) link, display the Search Person or Organization screen in a popup (the search screen should appear in a window wide and tall enough that all its fields are visible). The search screen lists the providers determined by the disease selected.
- The Type dropdown will include ALL types using SURVWEB\_LOOKUP\_VALUE table – LIST\_NAME: PROVIDER ORG TYPE CONDITION, FILTER\_VALUE: ORG SEARCH CONDITION REPORTER.
  - An organization should be selected by clicking on a name link.
  - When a name is selected,
    - Close the Search Person or Organization popup and
    - Display the organization's name in the Facility field
    - Display the organization's address in the reporter Address field
    - Display the Reporter [Remove](#) link
  - Closing the Search Person or Organization screen without a selection should keep the cursor on the [Reporter Search](#) link without changing anything on the Disease Case Report screen.
  - The Reporter [Remove](#) link should display only if there is a Reporter. If not, then it should be hidden.
  - When click the Reporter [Remove](#) link, display the following popup. If the user clicks OK, clear the Reporter data, hide the Reporter [Remove](#) link, and insert a SURVWEB\_COND\_NOTE record that states "REPORTER (REPORTER NAME) was removed by USERID". If the user clicks Cancel, then do not clear the Reporter data or hide the link.

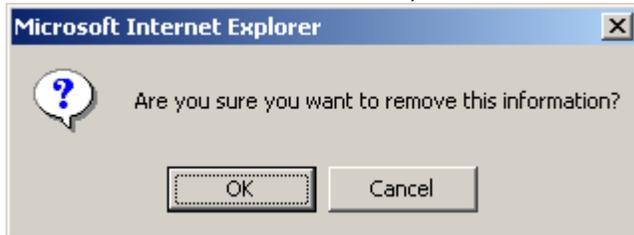


- f. When click the [LPHA Investigator Search](#) link, display the Search Person or Organization screen in a popup (the search screen should appear in a window wide and tall enough that all its fields are visible).
- The Type dropdown will be filtered using SURVWEB\_LOOKUP\_VALUE table – LIST\_NAME: PROVIDER ORG TYPE CONDITION, FILTER\_VALUE: “LPHA INVESTIGATOR”
    - LPHA INVESTIGATOR
  - A person/organization should be selected by clicking on a name link
  - When a name is selected,
    - Close the Search Person or Organization popup and
    - Display the person/organization’s name in the LPHA Investigator’s field,
    - Display the person/organization’s address below the name
    - Display the LPHA Investigator [Remove](#) link
  - Closing the Search Person or Organization screen without a selection should keep the cursor on the [LPHA Investigator Search](#) link without changing anything on the Disease Case Report screen.
  - The LPHA Investigator [Remove](#) link should display only if there is an investigator. If not, then it should be hidden.
  - When click the LPHA Investigator [Remove](#) link, display the following popup. If the user clicks OK, clear the LPHA Investigator data, hide the LPHA Investigator [Remove](#) link, and insert a SURVWEB\_COND\_NOTE record that states “LPHA Investigator (NAME) was removed by USERID”.. If the user clicks Cancel, then do not clear the LPHA Investigator data or hide the link.



- g. When click the **Medical Provider** [Search](#) link, display the Search Person or Organization screen in a popup (the search screen should appear in a window wide and tall enough that all its fields are visible).
- The Type dropdown will be filtered using SURVWEB\_LOOKUP\_VALUE table – LIST\_NAME: PROVIDER ORG TYPE CONDITION, FILTER\_VALUE: CONDITION PROVIDER
    - CORRECTIONAL FACILITY (STATE)
    - COUNTY/CITY JAIL
    - DRUG TREATMENT FACILITY
    - HEALTH DEPARTMENT
    - HOSPITAL

- LABORATORY
- PRIVATE PROVIDER
- An organization should be selected by clicking on a name link.
- When a name is selected,
  - Close the Search Person or Organization popup and
  - Add the selected organization to the grid in a new row that has a Remove link sorted the same as before clicking the link (if there were no items in the grid previously, then sort the same as noted for initially loading the screen)
  - If it is the first item in the Medical Provider grid, then automatically set its Primary column to display as Y. Otherwise, set its Primary column to display as N. Display the page of the grid that the new row is added to
- Closing the Search Person or Organization screen without a selection should keep the cursor on the Medical Provider Search link without changing anything on the Disease Case Report screen.
- The Medical Provider [Remove](#) link should display only if there is a provider in the list. If not, then it should be hidden.
  - Update and QA Role – The [Remove](#) link is available only at entry. Once the reporter has been saved, the [Remove](#) link will not be available.
  - Admin Role – The [Remove](#) link is available anytime there is a medical provider.
- When click the Medical Provider [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.” If the user clicks Cancel, then do not remove the row.



- h. When click a column header in a grid, check to see if the sort is currently on that column. If so, sort the list on that column ascending or descending (opposite of what it currently is). If not, sort the list on that column ascending. Dates sort include the month, day and year. The Address column sorts by alphabetical City name.
- i. When click a [N](#) link in the Primary column, then change it to display as Y and change the one that was previously marked a primary to [N](#). Always display the one that is Primary first in the list. On Save during an Add, ensure it sets the correct one to primary. On Save during an Update, ensure it updates the old one as not primary anymore and sets the new primary.
- j. When click the **Save** button, validate the entry fields and their combinations.
  - ✓ If fails validation, display the error messages above the entry fields in that section.
  - ✓ If passes validation, then save to the database and return



and DATE with appropriate values. These notes should always display in the Notes list on this screen and the user should not be able to remove them.

2. When the Counted Jurisdiction is added or updated, insert a new SURVWEB\_COND\_JURISDICTION record for the Person condition as follows:  
CONDITION\_ID = the new ID, COUNTED\_OR\_MANAGE\_IND = 'C', JURISDICTION = the Counted Jurisdiction text that was set, JURISDICTION\_TYPE = the Jurisdiction Type text that was set.
3. When the Manage Jurisdiction is added or updated, insert a new SURVWEB\_COND\_JURISDICTION record for the Person condition as follows:  
CONDITION\_ID = the new ID, COUNTED\_OR\_MANAGE\_IND = 'M', JURISDICTION = the Manage Jurisdiction text that was set, JURISDICTION\_TYPE = null.
4. In Update mode if the Reporter Facility is changed, then set the CONDITION\_PARTY record of the previous Reporter so that its END\_DATE is the current date and its STATUS is CLOSED.
5. On **Save**, only store the last selected Reporter so that if the user has selected several reporters during their web session, only the last one selected during that session is actually inserted into the database.
6. During an Add,
  1. insert a new CONDITION\_PARTY record for the Person condition as follows:  
CONDITION\_ID = the new ID, PARTY\_TYPE = 'PERSON', BEGIN\_DATE = Current Date, STATUS = 'ACTIVE', PARTY\_ID = the Person's PARTY\_ID, END\_DATE = null.
  2. insert a new RESOLUTION record for the Person condition as follows:  
CONDITION\_ID = the new ID, RESOLUTION = 'ACTIVE',  
RESOLUTION\_DATE = Date of Report, COMPLETION\_REASON = null,  
REASON\_OTHER = null.
  3. insert a new SURVWEB\_CONDITION record with new SURVWEB\_CONDITION\_ID
  4. If TB DISEASE, insert new SURVWEB\_COND\_IDENTIFIER for  
RVCT\_NUMBER = the next unused 9-digit number starting with the 4-digit year in Date of Report,
    - Examples if the maximum RVCT\_NUMBER of all the DISEASE records starting with 2006 is 200600100 and if the maximum RVCT\_NUMBER of all the DISEASE records starting with 2007 does not exist yet:
      - For those with Date of Report Year is 2006, then the next RVCT\_NUMBER will be 200600101, the next would be 200600102 and so on
      - For those with the Date of Report Year is 2007, then the next RVCT\_NUMBER will be 200700001, the next would be 200700002 and so on
  5. For all conditions, insert new SURVWEB\_COND\_IDENTIFIER for NETSS ID
  6. Insert SURVWEB\_COND\_STATUS
    - CONDITION\_STATUS = CONDITION\_STATUS
    - MONTH\_COUNTED = the month in Date of Received from the DATE\_LOOKUP table for CDC month.
    - YEAR\_COUNTED = the 4-digit year in Date of Received from the DATE\_LOOKUP table for the CDC year.
- p. When click and **Cancel** button, reload screen.
- q. The tab order should default as top to bottom left to right unless otherwise stated.

## VIII. Populating the Jurisdiction fields:

The user is required to enter a valid Condition Address, Primary Medical Provider Address or Reporter Address before the Disease Case Report can be saved. The system will determine Jurisdiction Type, Counted Jurisdiction and Manage Jurisdiction when the user clicks Save on the Disease Case Report and it passes all edits and either the Counted Jurisdiction has not been set in the database yet or the Jurisdiction Type is not already in the database as CASE.

If either, then the system will look for a “valid” Condition Address, Primary Medical Provider Address or Reporter Address (in this order) that will be used to determine Jurisdiction. To consider an address to be “valid”:

- If the State is MO, the Address must have:
  - A specific MO County that is in the Jurisdiction Lookup list (excluding those that are not counties, such as Kansas City, Independence, Joplin)
  - A City
  - Or both
- If the State is not MO, it must be a specific state that is in the State Lookup list (excluding UN, which stands for UNKNOWN)

If the address is the same as the one previously used to determine the Counted Jurisdiction, then Jurisdiction Type, Counted Jurisdiction and Manage Jurisdiction do not need to be reset. Otherwise, the system will use the “valid” address to set the Jurisdiction Type and set the Counted Jurisdiction as follows:

1. If the State is a specific state that is something other than MO, set the Counted Jurisdiction to “OUT OF STATE”.
2. If the user selected a Correctional Facility via the Search Organization and the organization has a role of “CORRECTIONAL FACILITY”, set the Counted Jurisdiction to “CORR FACILITY”.
3. If the State is MO then:
  - a. If the Address has a specific MO County and the City is not INDEPENDENCE, JOPLIN or KANSAS CITY, set the Counted Jurisdiction to the County.
  - b. If the Address has the City is INDEPENDENCE, JOPLIN or KANSAS CITY, then a popup will be needed for the user to enter/select either the County or the City to be the Counted Jurisdiction.
  - c. If none of the above, then set the Counted Jurisdiction to “UNKNOWN”.

The system will set the Manage Jurisdiction to be the same as the Counted Jurisdiction as long as the condition QA COMPLETE is not set to YES.

When the Counted Jurisdiction value changes, set the Jurisdiction Type to one of the following depending on which address was used to determine Jurisdiction: CASE, PROVIDER or REPORTER.

Jurisdiction Lookup list (LOOKUP.LU\_LOOKUPS.TYPE = 5705)

State Lookup list (LOOKUP.LU\_LOOKUPS.TYPE = 1633)

If Jurisdiction cannot be determined (some addresses don't have COUNTY or the COUNTY has a period in it ex. “ST. LOUIS” and does not match the jurisdiction lookup list), return validation

message “Jurisdiction could not be determined. Please report this to your regional disease investigation staff.”

**Examples of State, City, and County combinations and their Jurisdictions:**

State	City	County	Jurisdiction
MO	HOLTS SUMMIT	CALLAWAY	CALLAWAY
MO	JEFFERSON CITY	CALLAWAY	CALLAWAY
MO	JEFFERSON CITY	COLE	COLE
MO	JEFFERSON CITY	OSAGE	OSAGE
MO	JEFFERSON CITY	NULL	UNKNOWN
MO	INDEPENDENCE	CLAY	CLAY INDEPENDENCE
MO	INDEPENDENCE	JACKSON	JACKSON INDEPENDENCE
MO	INDEPENDENCE	NULL	INDEPENDENCE
MO	JOPLIN	JASPER	JASPER JOPLIN
MO	JOPLIN	NEWTON	NEWTON JOPLIN
MO	JOPLIN	NULL	JOPLIN
MO	JOPLIN	UNKNOWN	JOPLIN
MO	KANSAS CITY	CLAY	CLAY KANSAS CITY
MO	KANSAS CITY	JACKSON	JACKSON KANSAS CITY
MO	KANSAS CITY	PLATTE	PLATTE KANSAS CITY
MO	KANSAS CITY	NULL	KANSAS CITY
MO	KANSAS CITY	UNKNOWN	KANSAS CITY
MO	ST LOUIS	ST LOUIS	ST LOUIS
MO	ST LOUIS	ST LOUIS CITY	ST LOUIS CITY
MO	ST LOUIS	ST CHARLES	ST CHARLES
MO	ST LOUIS	NULL	UNKNOWN
MO	ST CHARLES	ST CHARLES	ST CHARLES
MO	ST CHARLES	ST LOUIS	ST LOUIS
MO	BLUE SPRINGS	JACKSON	JACKSON
MO	JENNINGS	ST LOUIS CITY	ST LOUIS CITY
MO	NULL	COLE	COLE
MO	NULL	ST LOUIS CITY	ST LOUIS CITY
MO	UNKNOWN	CLAY	CLAY
MO	POPLAR BLUFF	UNKNOWN	UNKNOWN
KS	KANSAS CITY	NULL	OUT OF STATE
KS	KANSAS CITY	JACKSON	OUT OF STATE
KS	OLATHE	JOHNSON	OUT OF STATE
KS	OLATHE	OUT OF STATE	OUT OF STATE

**IX. Database routines**

- a. Retrieval of the user’s security to display the Update button appropriately.

b. Condition information will be stored in tables as shown below:

<b>Field on Screen</b>	<b>Database column</b>	<b>Database Table</b>
Person Name shown in Tree View	SURVWEB_PARTY_ID and PARTY_TYPE of 'PERSON'	SURVWEB_COND_PARTY
Condition Name	CONDITION_NAME	SURVWEB_CONDITION
Na	CONDITION_CODE	SURVWEB_CONDITION
Complication	COMPLICATION	SURVWEB_CONDITION
Type	Type	SURVWEB_CONDITION
Other Type	OTHER_TYPE	SURVWEB_CONDITION
QA Complete	QA_COMPLETE – At initial add of condition, set to NO.	SURVWEB_COND_QA
Condition Status	CONDITION_STATUS	SURVWEB_COND_STATUS
Month Year Counted	MONTH_COUNTED and YEAR_COUNTED	SURVWEB_COND_STATUS– use LOOKUP.DATE_LOOKUP to set based on RECEIVED date.
Counted Jurisdiction	COUNTED_JURISDICTION	SURVWEB_COND_JURISDICTION
Manage Jurisdiction	MANAGE_JURISDICTION	SURVWEB_COND_JURISDICTION
Jurisdiction Type	JURISDICTION_TYPE	SURVWEB_COND_JURISDICTION
Condition ID	SURVWEB_CONDITION_ID	SURVWEB_CONDITION
RVCT Number or NETSS ID	COND_IDENTIFIER AND COND_IDENTIFIER_TYPE	SURVWEB_COND_IDENTIFIER
Condition Address	Use CONDITION_LOCATOR_ID to get the address from the LOCATOR tables	SURVWEB_COND_DISEASE_CASE_RT
Date Received By LPHA	COND_DATE and COND_DATE_TYPE = RECEIVED	SURVWEB_COND_DATE
Date of Birth	DATE_OF_BIRTH	SURVWEB_PARTY_PERSON
Date of Report	COND_DATE and COND_DATE_TYPE = REPORT	SURVWEB_COND_DATE
Age at Diagnosis	AGE_AT_DIAGNOSIS	SURVWEB_COND_DISEASE_CASE_RT
Age Type	AGE_TYPE	SURVWEB_COND_DISEASE_CASE_RT
Date of Diagnosis	COND_DATE and COND_DATE_TYPE = DIAGNOSIS	SURVWEB_COND_DATE
Pregnant at Diagnosis	PREGNANT_AT_DIAGNOSIS	SURVWEB_COND_PREGNANCY
Due Date	DUE_DATE	SURVWEB_COND_PREGNANCY
Outcome Date	OUTCOME_DATE	SURVWEB_COND_PREGNANCY
Pregnancy Outcome	PREGNANCY_OUTCOME	SURVWEB_COND_PREGNANCY
Date of Death	DATE_OF_DEATH	SURVWEB_PARTY_PERSON
Vital Status at Diagnosis	VITAL_STATUS_AT_DIAGNOSIS	SURVWEB_COND_TB_DISEASE
Refugee/Immigrant	REFUGEE_IMMIGRANT_CLAS	SURVWEB_COND_TB_DISEASE

Class	S (Store only the code A, B1 or B2. Do not store the description.)	
Immigration Class	IMMIGRATION_STATUS	SURVWEB_COND_TB_DISEASE
Other Immigration Class	IMMIGRATION_STATUS_OTHER	SURVWEB_COND_TB_DISEASE
Previous Diagnosis	PREVIOUS_DIAGNOSIS	SURVWEB_COND_TB_DISEASE
Year of Previous Diagnosis	YEAR_OF_PREVIOUS_DIAGNOSIS	SURVWEB_COND_TB_DISEASE
Multiple Previous Episodes	MULTIPLE_PREVIOUS_EPISODES	SURVWEB_COND_TB_DISEASE
Severity of Illness	SEVERITY_OF_ILLNESS	SURVWEB_CONDITION
Vaccination Type	VACCINATION_TYPE	SURVWEB_COND_VACCINATION_TYPE
Vaccination Date	VACCINATION_DATE	SURVWEB_COND_VACCINATION_TYPE
NA	DATA_SOURCE	SURVWEB_COND_VACCINATION_TYPE
Reporter Type	REPORTER_TYPE	SURVWEB_COND_DISEASE_CASE_RT - Determined by looking at the REPORTER provider roles.
Date of Report	DATE_OF_REPORT	SURVWEB_COND_DATE

Event Date and Type and Latest Resolution and Latest Resolution Date will be included in the Data Warehouse and not stored in the production database.

SURVWEB.SURVWEB_COND_DISEASE_CASE_RT		Other Tables SURVWEB_CONDITION SURVWEB_COND_QA SURVWEB_COND_STATUS SURVWEB_COND_JURISDICTION SURVWEB_COND_IDENTIFIER SURVWEB_COND_DATE SURVWEB_PARTY_PERSON SURVWEB_COND_DISEASE_CASE_RT SURVWEB_COND_TB_DISEASE SURVWEB_COND_PARTY SURVWEB_COND_VACCINATION_TYPE
<b>PK</b>	<b><u>SURVWEB_COND_DCR_ID</u></b>	
<b>FK1</b>	<b>SURVWEB_CONDITION_ID</b> CONDITION_LOCATOR_ID AGE_AT_DIAGNOSIS AGE_TYPE DIAGNOSIS_NOTIFICATION OTHER_ASSOCIATED_CASES PREGNANT_AT_DIAGNOSIS DIED_OF_THIS_ILLNESS HOSPITALIZED_FOR_THIS_ILLNESS REPORTER_TYPE REPORTER_TYPE_OTHER OUTBREAK_ASSOCIATED STATE_OUTBREAK_ID_CODE STATE_OUTBREAK_ID_NUMBER TYPE_OF_OUTBREAK OUTBREAK_COMMENTS <b>ENTRY_DATETIME</b> <b>ENTRY_USERID</b> LAST_CHANGED_DATETIME LAST_CHANGED_USERID	

### Associated Parties:

<b>Reporter:</b>	Set the SURVWEB_CONDITION_ID & SURVWEB_PARTY_ID, PARTY_TYPE = 'REPORTER', BEGIN_DATE = current date, END_DATE = NULL, STATUS = ACTIVE Ensure that the most recent Reporter is stored this way. When the Reporter changes, set the previous Reporter for the same Condition with END_DATE = current date and STATUS = 'CLOSED'	SURVWEB_COND_PARTY
Facility	To display the Facility Name: Select the name that is not blank: ORGANIZATION_NAME or LAST_NAME_1 and FIRST_NAME From SURVWEB_PARTY_NAME Where SURVWEB_COND_PARTY.SURVWEB_P ARTY_ID = SURVWEB_PARTY_NAME.SURVWEB_P ARTY_ID and SURVWEB_PARTY_NAME NAME_TYPE = 'PRIMARY'	SURVWEB_PARTY_NAME
Contact Last Name	CONTACT_LAST_NAME	SURVWEB_COND_PARTY
Contact First Name	CONTACT_FIRST_NAME	SURVWEB_COND_PARTY
Address	To display the Address: Select ADDRESS_1, CITY, STATE, COUNTY, ZIP_POSTAL From SURVWEB_PARTY_LOCATOR pl, LOCATION.POSTAL_LOCATOR po, WHERE SURVWEB_COND_PARTY.SURVWEB_P ARTY_ID = pl.party_id AND pl.locator_id = po.locator_id AND pl.locator_type = 'POSTAL' AND pl.primary_indicator='Y' AND pl.end_date IS NULL	survweb_party_locator and location.postal_locator
<b>Provider:</b>	Same as Reporter above except PARTY_TYPE = 'PROVIDER'	SURVWEB_COND_PARTY
Name	Same as Facility above	Same as Facility above
Address	Same as Address above	Same as Address above
Primary	PRIMARY_PROVIDER	SURVWEB_COND_PARTY

- c. Notes will be stored in the NOTE table in the SURVWEB Schema.

SURVWEB.SURVWEB_COND_NOTE	
<b>PK</b>	<b><u>SURVWEB_COND_NOTE_ID</u></b>
<b>FK1</b>	<b>SURVWEB_CONDITION_ID</b> <b>ENCOUNTER_ID</b> <b>CONTACT_ID</b> <b>NOTE_TYPE</b> <b>NOTE_TEXT</b> <b>ENTRY_DATETIME</b> <b>ENTRY_USERID</b>

To display the notes in various screens, use NOTE\_TYPE for filter. "NOTE\_TYPE = CASE REPORT" will have the notes from the DISEASE CASE REPORT screen.