

Drug Susceptibility

I. Screen prototype: Initial Load

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)

The screenshot displays a web application for managing drug susceptibility data. The main form area contains the following fields and controls:

- Denotes required field.**
- Drug Susceptibility for JULY, EIGHTH (Party ID = 382881211)**
- Modified Date: 8/13/2008 By: SWADM04 Condition ID: 382902520 NETSS ID: 356212714
- QA Complete: * Month/Year Counted: *
- Counted Jurisdiction: * Counted Jurisdiction Type: *
- Manage Jurisdiction: * Manage Jurisdiction Type: *
- Condition Status: * [CDC Case Definitions](#)
- Drug: * Other Drug:
- As Of Date: (mmddyyyy) Result:
- If Not Done, Reason: Other Reason:
- [Add to List](#) [Clear](#)

Drug	As Of Date	Result	Reason	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

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II. Screen prototype: Click Edit Link

default - Windows Internet Explorer provided by DHS/ITSD
http://devops/webmohs/default.aspx?c=Person
State of Missouri
DEPARTMENT OF HEALTH AND SENIOR SERVICES
Username: swadm04
Agency: DDH-CENTRAL OFFICE
Home Person Organization
Search Instructions
* Dancotes required field
Drug Susceptibility for JULY, EIGHTH (Party ID = 382881211)
Modified Date: 7/23/2008 By: SWADM04 Condition ID: 382883851 RVCT#: 200800002
QA Complete: * NO Month/Year Counted: * 07 (mm) 2008 (yyyy)
Counted Jurisdiction: * COLE Counted Jurisdiction Type: * CASE
Manage Jurisdiction: * COLE Manage Jurisdiction Type: * CASE
Condition Status: * CDC Case Definitions Update
Drug: * PYRIDOXINE Other Drug:
As Of Date: 09/01/2008 (mmddyyyy) Result: SUSCEPTIBLE
If Not Done Reason: Other Reason:
Replace

Drug	As Of Date	Result	Reason	Entry Date	Entered By
Cancel PYRIDOXINE	09/01/2008	SUSCEPTIBLE		09/23/2008	SWADM04

Notes
Note:
0 / 2000
Add to List Clear
Entry Date Note
Entered By

- 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:
 - Other Drug – 64
 - Other Reason – 64

III. JavaScript validations and behaviors:

- Date Fields: (AS OF 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)
- 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.

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- On select of a Drug.
 - If 'OTHER' selected
Other Drug textbox is enabled.
 - If not
Other Drug textbox is disabled.
 - Ensure at least two different 'OTHER' Drugs can be added to list.
- On select of Drug.
 - If 'NOT DONE' selected
Not Done Reason dropdown list is enabled.
Result dropdown list is disabled
 - If not
Not Done Reason dropdown list is disabled.
Result dropdown is enabled
- On select of Not Done Reason.
 - If 'OTHER' selected
Other Reason textbox is enabled.
 - If not
Other Reason textbox is disabled.

IV. Coding

- Grid Sort
 - Sort list as follows: Drug Results descending As Of Date then by ascending Drug Name
 - When click column header in grid, check that the sort is currently on that column.
 - If true
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 list
 - **Drug** (List Name: DRUG FOR DRUG SUSCEPTIBILITY)
 - **Result** (List Name: RESULT FOR DRUG SUSCEPTIBILITY)
 - **If Not Done, Reason** (List Name: NOT DONE REASON)
- TEXT Boxes (OTHER DRUG, OTHER REASON, NOTE)
 - All text boxes transform text to uppercase on entry (OTHER DRUG, OTHER REASON, NOTE)
 - Trim all spaces from the beginning and end of textbox text before checking it for errors and before storing it in the database

V. 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](#)

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VI. Error messages

- Display in the order of the fields on the screen when [Add to List](#) is clicked or the **Save** button.
- **Drug**
 - Drug is required.
 - Other Drug is required when 'OTHER' is selected
 - Other Drug cannot be entered when the same Drug can be selected
 - Other Drug must be all alphanumeric with a minimum of 3 characters and a maximum of 64
 - Drug of 'NOT DONE' can only be selected when there are no Drugs in the list (in the grid)
 - A Drug cannot be selected because 'NOT DONE' is in the list (in the grid)
 - As Of Date is required (does not apply if drug is NOT DONE)
 - Result is required for all Drugs except "NOT DONE"
 - As Of Date cannot be a future date
 - As Of Date cannot be prior to the Person's Date of Birth
 - The current combination of Drug, As Of Date and Result is already in the list
 - Not Done Reason can only be entered when Drug is 'NOT DONE'
 - Not Done Reason is required when Drug is 'NOT DONE'
 - 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

VII. Buttons & Links

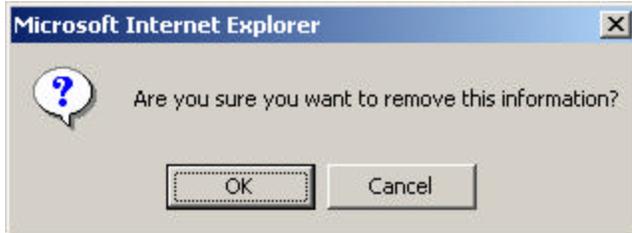
- Validation to display messages to the user will not be performed on [Clear](#), [Cancel](#) or on **Cancel**
- When click a link that will bring up another page, display a popup with the pyramid image and a message such as of "Working, please wait..." as per standards.
- When click **Cancel** button, reload screen.
- When click a [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 the 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.

VIII.

IX. Database routines – NOTES

- CONDITION NOTES - To display the notes in various screens, use NOTE_TYPE for filter.
- Notes will be saved to SURVWEB.SURVWEB_COND_NOTE with a NOTE_TYPE of CONTACT.

X. Database routines – Screen Information

- Retrieval of the user’s security to display the Update button appropriately
- Information will be stored in tables as shown below:

Table:	Field on Screen	Database column	
SURVWEB.SURVWEB_COND_DRUG_SUSCEP	NA – PRIMARY KEY	..._ID	Generate the PRIMARY KEY
PK SURVWEB_COND_DRUG_SUSCEP_ID	NA – FOREIGN KEY	..._ID	Set FOREIGN KEY
FK1 SURVWEB_CONDITION_ID	Drug	DRUG_NAME	
DRUG_NAME	Other Drug	DRUG_OTHER	
DRUG_OTHER	As Of Date	AS_OF_DATE	
AS_OF_DATE	Result	SUSCEPTIBILITY_RESULT	
SUSCEPTIBILITY_RESULT	If Not Done, Reason	REASON_NOT_DONE	
REASON_NOT_DONE	Other Reason	REASON_OTHER	
REASON_OTHER	NA	ENTRY_DATETIME	Set ENTRY_DATETIME = SYSDATE
ENTRY_USERID	NA	ENTRY_USERID	Set ENTRY_USERID = userid
ENTRY_DATETIME	NA	LAST_CHANGED_DATETIME	NULL
LAST_CHANGED_USERID	NA	LAST_CHANGED_USERID	NULL
LAST_CHANGED_DATETIME			

Table:	Field on Screen	Database column	
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SURVWEB.SURVWEB_COND_NOTE		NA	SURVWEB_COND_NOTE_ID	Generate a SURVWEB_COND_NOTE_ID
PK	SURVWEB_COND_NOTE_ID	NA	SURVWEB_CONDITION_ID	Set SURVWEB_CONDITION_ID = the CONDITION_ID
FK1	SURVWEB_CONDITION_ID ENCOUNTER_ID CONTACT_ID NOTE_TYPE NOTE_TEXT ENTRY_DATETIME ENTRY_USERID	Encounter Screen – ENCOUNTER_ID generated at SAVE	ENCOUNTER_ID	Set ENCOUNTER_ID to ENCOUNTER_ID
		Condition Contact Screen – CONTACT_ID generated at SAVE	CONTACT_ID	Set NOTE_TEXT to NOTE_TEXT
		NA	NOTE_TYPE	Set NOTE_TYPE = DRUG (when entered from the DRUG SUSCEPTIBILITY node)
		Narrative	NOTE_TEXT	Set NOTE_TEXT to NOTE_TEXT
		NA	ENTRY_DATETIME	Set ENTRY_DATETIME = current date time
		NA	ENTRY_USERID	Set ENTRY_USERID = userid