



MDSS Release Notes Version 3.5 February 2012



Enhancements:

Alert Rules Page

When the 'Show Inactive Users' check box is checked, all users with alerts will be listed. When this box is unchecked, only active users with alerts will be listed.

| Case Investigation | | Administration | | Messages | | Reports | | Logo | | | |
|--|--|---|---------|--|----------------------|---------------|-----------|---------------------------|--------|--|---------------------------------------|
| Cases New Case New Aggregate Cases Searches New Search New Aggregate Search Disease Specific Search Search Field Records Case Definitions Alert Rules | | Displaying results 1-10 of 364 found [< First] 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 [Next >>] [Last >] | | | | | | | | | |
| | | Alert Rules List | | <input checked="" type="checkbox"/> Show Inactive Users? | | Alert Rule ID | | Sort | | <input type="button" value="Create Alert Rule"/> <input type="button" value="Help"/> | |
| | | Alert Rule ID | User ID | Email | Condition | Case Count | Time Span | Geography | Active | | |
| | | 70 | | | Anthrax | 1 | 1 | State | false | <input type="button" value="Edit"/> | <input type="button" value="Delete"/> |
| | | 86 | | | West Nile Virus | 1 | 1 | Local Health Jurisdiction | false | <input type="button" value="Edit"/> | <input type="button" value="Delete"/> |
| | | | | | Salmonellosis | 2 | 5 | Local Health Jurisdiction | false | <input type="button" value="Edit"/> | <input type="button" value="Delete"/> |
| | | | | | Anthrax | 1 | 1 | State | false | <input type="button" value="Edit"/> | <input type="button" value="Delete"/> |
| | | | | | Botulism - Foodborne | 1 | 1 | State | false | <input type="button" value="Edit"/> | <input type="button" value="Delete"/> |

Audit Report

There is a new Audit Report that allows for generating information on audited activities for users including Audit Date, Case ID, Patient Name, Patient DOB, and Audit Action. The report can be run by Local Health Jurisdiction Administrators for their jurisdiction and Healthcare Provider and Lab users can run the report for their facilities.

| Case Investigation | | Administration | | Messages | | Reports | | | |
|---|--|--|--|---|--|--|--|--|--|
| 1. Line Listing 2. Diseases by Demographics 3. Diseases YTD 4. Diseases - 5 Year History 5. Diseases YTD by Geography 6. Disease History by Geography 7. Diseases by Geography 8. Epi Curve Aggregate Case Report Audit Report | | Audit Cases | | | | | | | |
| | | Time Period | | | | | | | |
| | | <input checked="" type="radio"/> Month: January | | Year(yyyy): 2012 | | | | | |
| | | <input type="radio"/> From Date (mm/dd/yyyy): | | <input type="radio"/> To Date (mm/dd/yyyy): | | | | | |
| | | Audit Users Associations | | | | | | | |
| | | <input type="radio"/> Local Health Jurisdiction | | | | | | | |
| | | <input checked="" type="radio"/> Facility | | | | | | | |
| | | <input type="button" value="View HTML Report"/> | | <input type="button" value="View PDF Report"/> | | <input type="button" value="View CSV Report"/> | | <input type="button" value="Reset"/> <input type="button" value="Help"/> | |

The report shows all actions performed in the time period specified, up to 5000 records. If Date of Birth is not entered, it will be blank. Aggregate cases are included in the report and are indicated with the Patient Name "AGGREGATE ENTRY" and Date of Birth column being blank.

Audit Report: List of Audited Cases for Users Associated with Specified Facility/Jurisdiction
 Time Period: 01/20/2012 - 01/27/2012

Jurisdiction: Statewide

There are 112 rows in this report.

| User | Audit Date | Case ID | Patient Name | Patient DOB | Audit Action |
|----------------------|------------|---------|------------------|-------------|--------------------|
| CRANDELL-ALDEN, ERIN | 01/24/2012 | 3170174 | CRANDELL, GARA | 05/20/1974 | Add Case |
| CRANDELL-ALDEN, ERIN | 01/24/2012 | 3170174 | CRANDELL, GARA | 05/20/1974 | Lab Added With New |
| CRANDELL-ALDEN, ERIN | 01/24/2012 | 3170175 | LEWIS, TIA | 04/20/1975 | Add Case |
| CRANDELL-ALDEN, ERIN | 01/24/2012 | 3170175 | LEWIS, TIA | 04/20/1975 | Patient Not Merged |
| CRANDELL-ALDEN, ERIN | 01/24/2012 | 3170175 | LEWIS, TIA | 04/20/1975 | Lab Added With New |
| CRANDELL-ALDEN, ERIN | 01/24/2012 | 3170241 | CRANDELL, GARA | 05/20/1974 | Add Case |
| CRANDELL-ALDEN, ERIN | 01/24/2012 | 3170241 | CRANDELL, GARA | 05/20/1974 | Lab Added With New |
| CRANDELL-ALDEN, ERIN | 01/24/2012 | 3170174 | CRANDELL, GARA | 05/20/1974 | Update Case Detail |
| CRANDELL-ALDEN, ERIN | 01/24/2012 | 3170272 | ELIOTT, JENNIFER | 01/10/1972 | Add Case |
| CRANDELL-ALDEN, ERIN | 01/24/2012 | 3170272 | ELIOTT, JENNIFER | 01/10/1972 | Lab Added With New |
| HAMILTON, ELIZABETH | 01/23/2012 | 3189922 | SMITH, BRANDON | 04/20/1972 | Add New Case Data |
| HAMILTON, ELIZABETH | 01/23/2012 | 3189922 | SMITH, BRANDON | 04/20/1972 | Case Not Merged |
| HAMILTON, ELIZABETH | 01/23/2012 | 3189922 | SMITH, BRANDON | 04/20/1972 | Update Case Detail |
| HAMILTON, ELIZABETH | 01/24/2012 | 3170003 | CRANDELL, GARA | 07/20/1974 | Add New Case Data |
| HAMILTON, ELIZABETH | 01/24/2012 | 3170003 | CRANDELL, GARA | 07/20/1974 | Case Not Merged |
| HAMILTON, ELIZABETH | 01/24/2012 | 3170003 | CRANDELL, GARA | 07/20/1974 | Update Case Detail |
| HAMILTON, ELIZABETH | 01/24/2012 | 3170003 | CRANDELL, GARA | 07/20/1974 | Update Case Detail |

Audit Search Enhancements

The User Audit Search screen separates the information relevant to the case from the information relevant to the audit trail and is now more readable. The aforementioned new audit trail actions are included on the audit trail search criteria. Enhancements to make the search more efficient were included as well.

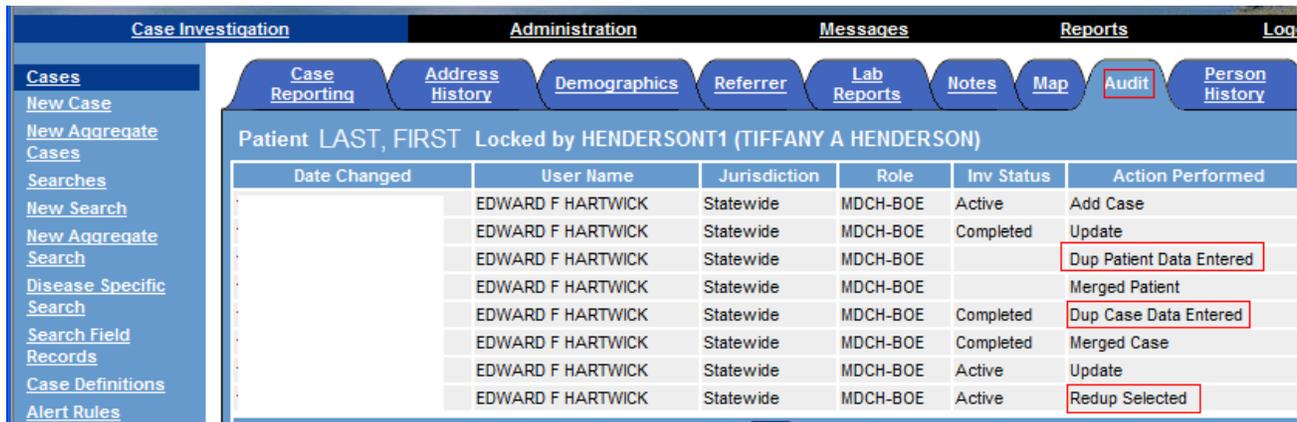
The screenshot shows the 'User Audit Search' interface with the following sections:

- Case Investigation** | **Administration** | **Messages** | **Reports**
- Users** | **User Audit Search** | **Admin Searches** | **Pending Work** | **Queue** | **Review Replaced Patients** | **Administrative Reports** | **Field Record Report** | **Interview Record Report** | **Completeness Report**
- Name of Saved Search**: [Text Input]
- Case Information**
 - Reportable Condition**: Amebiasis, Animal Bite, Anthrax, Blastomycosis
 - Disease Group**: VPD, Rabies, AIDS/HIV, Tuberculosis
 - Case Status**: Confirmed, Confirmed-Non Resident
 - Investigation Status**: Active, Canceled
- Audit Log Criteria**
 - Audit Action Type**: Add Address, Add Case, Add Case Death, Add Case Electronic Lab
 - User in Audit Log**: AGBOKAA2006, AGENSG7068, AHRENTT2930, AKERSA8412
- Date Criteria**
 - Audit Date (mm/dd/yyyy)**: [Date Picker] to [Date Picker]
- Buttons**: Search, Save & Finish, Cancel, Help

Audit Trail Enhancements

Audit Trail enhancements include additional actions to be listed: Reassign Investigator, Update Case Reporting Tab, Update Demographic Tab, Update Referrer Tab, Update Case Detail Form, Update Case Status, Change Reportable Condition and Lab Added with New Patient. Additionally, some actions have been renamed:

- 'Case Merge Data' is now 'Dup Case Data Entered'
- 'Patient Merge Data' is now 'Dup Patient Data Entered'
- 'Case Merged' is now 'ELR Case Merged'



The screenshot shows the MDSS interface with the 'Audit' tab selected. The patient record is for 'Patient LAST, FIRST' and is locked by 'HENDERSONT1 (TIFFANY A HENDERSON)'. The table below lists the audit trail actions:

| Date Changed | User Name | Jurisdiction | Role | Inv Status | Action Performed |
|--------------|-------------------|--------------|----------|------------|--------------------------|
| | EDWARD F HARTWICK | Statewide | MDCH-BOE | Active | Add Case |
| | EDWARD F HARTWICK | Statewide | MDCH-BOE | Completed | Update |
| | EDWARD F HARTWICK | Statewide | MDCH-BOE | | Dup Patient Data Entered |
| | EDWARD F HARTWICK | Statewide | MDCH-BOE | | Merged Patient |
| | EDWARD F HARTWICK | Statewide | MDCH-BOE | Completed | Dup Case Data Entered |
| | EDWARD F HARTWICK | Statewide | MDCH-BOE | Completed | Merged Case |
| | EDWARD F HARTWICK | Statewide | MDCH-BOE | Active | Update |
| | EDWARD F HARTWICK | Statewide | MDCH-BOE | Active | Redup Selected |

Of note, if Reportable Condition or Case Status is changed, there will be an additional action listed (Update Case Reporting Tab or Update Case Detail Form). This enables the user to identify where the change was made to the Reportable Condition.

In addition, the date stamp for Data Entered actions will now list when the data was first entered instead of when the merge occurred.

User Permission Audit Trail

A new section for each user will show permissions and the history of changes (role, job function, program, jurisdiction, etc) including the date and the user that initiated the change. It is important to note that the changes will only be displayed from after the release, so changes to the user's permissions made previous to the release will not be noted on the user's info page.

| Case Investigation | Administration | Messages | Reports | | | | | | |
|--|---------------------|-----------------------|-------------------------------------|-------------|---------------------|----------------|---------------------|-----------------|---------------|
| Users | | | | | | | | | |
| User Audit Search Admin Searches Pending Work Queue Review Replaced Patients Administrative Reports Field Record Report Interview Record Report Completeness Report | | | | | | | | | |
| User Info | | | | | | | | | |
| First: | TEST | Last: | MDSSTES | | | | | | |
| Userid: | MDSSTEST0002 | Email: | | | | | | | |
| Role and Function | | | | | | | | | |
| Roles: | LHJ | Job Function: | Epi Staff/CD Nurse | | | | | | |
| Primary Settings | | | | | | | | | |
| Program: | General CD-STD | Jurisdiction: | Ingham County | | | | | | |
| | | Facility: | | | | | | | |
| Additional Settings | | | | | | | | | |
| Jurisdiction: | | Facility: | | | | | | | |
| Allegan County | | ACA_INTERNS | | | | | | | |
| Barry-Eaton | | ALLEGAN GENERAL HOSP | | | | | | | |
| Bay County | | ALPENA GENERAL HOSP | | | | | | | |
| Benzie-Leelanau | | ASPIRUS KEWEENAW HOSP | | | | | | | |
| Automatic Case Assignment <input type="checkbox"/> | | | | | | | | | |
| Receive Registration Emails <input type="checkbox"/> | | | | | | | | | |
| User Status | | | | | | | | | |
| Last Login | 01-19-2012 09:20:01 | Active | <input checked="" type="checkbox"/> | | | | | | |
| History | Entry By | User Name | User ID | Role | Job Function | Program | Jurisdiction | Facility | Active |
| 01/18/2012 | HARTWICKE | TEST MDSSTES | MDSSTEST0002 | HCP | Limited Access | All | Statewide | | Y |
| 01/18/2012 | CRANDELLE | TEST MDSSTES | MDSSTEST0002 | LHJ | Epi Staff/CD Nurse | General CD-STD | Genesee County | | Y |
| 01/19/2012 | CRANDELLE | TEST MDSSTES | MDSSTEST0002 | LHJ | Epi Staff/CD Nurse | General CD-STD | Ingham County | | Y |

Census 2010 Data

The 2010 Census Data for Michigan will be added to the MDSS in February 2012. It will not be available with the new release, but a separate announcement will be made when the data comes online.

Closed Schools Archiving

Schools that are closed or consolidated can now be removed from the aggregate reporting list more easily. Once the schools are removed, their previously entered data will still be available for reports and exports, but new data will no longer be able to be entered.

Control Measures for Select Diseases

A section on control measures was added to six disease PDF forms: Botulism, Shiga Toxin-Producing *E. coli* –STEC, Hepatitis A, Measles, Meningococcal disease and Tularemia. These measures are to be filled in for all cases of these six diseases with referral dates of 01/01/2012 or later. The Control Measures Start Date should be the date on which the first of any of the listed control measures were initiated. If more Control Measures are used throughout the course of the investigation, this section should be updated appropriately, but the Start Date should remain the date of the start of the first Control Measure.

| Case ID | First Name | Last Name | Measles rev 06/25/2004 | Page 6 |
|--|------------|--|------------------------|--------|
| Control Measures | | | | |
| Check the appropriate box(es) for those control measures implemented during the public health follow-up. Multiple selections permitted. Complete the start date field using the earliest date a control measure was initiated. | | | | |
| Control Measures Start Date mm/dd/yyyy | | | | |
| Control Measures Implemented (Check all that apply) | | | | |
| <input type="checkbox"/> Contact tracing/assessment | | <input type="checkbox"/> Exclusion of susceptibles (e.g., daycare, school) | | |
| <input type="checkbox"/> Education | | <input type="checkbox"/> Immunization (active/passive) administered or recommended to contacts | | |
| <input type="checkbox"/> Isolation of confirmed case | | <input type="checkbox"/> Recommendation for Control Measures | | |
| <input type="checkbox"/> Decision made not to initiate Control Measures | | <input type="checkbox"/> Inability to initiate Control Measures despite efforts to do so | | |
| <input type="checkbox"/> Other _____ | | | | |

HIV Module

Several updates to the HIV Module have been implemented. Updates include:

- Updates to the HIV Adult and Pediatric forms.
- Improvements to the HIV Export.
- Expanded options for the HIV Export.
- Fixed Reports so that small cell restrictions only apply to individual HIV counts.

Improved Geocoder

Improved selection options for the geocoder have been added to the MDSS. When the geocoder returns more than one match, it will display the address as it was submitted first, followed by the options presented. Two new options are also available if none of the matches returned from the geocoder are correct, MDSS Zip Code and MDSS City. These two options will bypass the selections made and code only to the Zip Code or City level, respectively.

Updates have been made to the matching software as well. This should result in better matches and better choices when the geocoder returns more than one value.

| Case Reporting | Address History | Demographics | Referrer | Lab Reports | Notes | Map | Audit | Person History |
|---|-----------------------|---|----------|-------------|-------|--------|---------------|----------------|
| Patient CARDIO , CPOE Locked by HARTWICKE (EDWARD F HARTWICK) | | | | | | | | |
| Possible Address Matches - Choose one from each set of addresses | | | | | | | | |
| Original Patient Address | | | | | | | | |
| 2215 FULLER ANN ARBOR, MI 48105 | | | | | | | | |
| Patient Addresses | | | | | | | | |
| Possible Patient Address 1 | <input type="radio"/> | 2215 FULLER RD ANN ARBOR, MI 48105 Washtenaw County | | | | Source | CGI_B | |
| Possible Patient Address 2 | <input type="radio"/> | 2215 FULLER CT ANN ARBOR, MI 48105 Washtenaw County | | | | Source | CGI_B | |
| Possible Patient Address 3 | <input type="radio"/> | 2215 FULLER ANN ARBOR, MI 48105 Washtenaw County | | | | Source | MDSS Zip Code | |
| Possible Patient Address 4 | <input type="radio"/> | 2215 FULLER ANN ARBOR, MI 48105 Washtenaw County | | | | Source | MDSS City | |
| <input type="button" value="Select Address"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/> | | | | | | | | |

TB Module

Two new questions, “Culture/Fluids Results Report Date” and “Culture/Fluids Laboratory Type” have been added in the Laboratory Information section. Please enter the date that the culture was collected and they type of laboratory that did the specimen processing. If the specimen went to MDCH Bureau of Labs, choose “Public Health Laboratory”, if it was done in a hospital lab, choose, “other” and enter “Hospital Laboratory”. A commercial laboratory is any laboratory that charges a fee for each specimen processed or test performed.

| Case ID | First Name | Last Name | Report of Suspect/Verified Case of Tuberculosis (RVCT) rev 10/01/2010 | Page 3 |
|---|------------|-----------|--|--------|
| Laboratory Information cont. | | | | |
| If positive specimen, enter anatomic code <input type="text"/> | | | Type of Exam (Check all that apply) <input type="checkbox"/> Smear <input type="checkbox"/> Pathology/Cytology | |
| Culture of Tissue and Other Body Fluids <input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Not Done <input type="checkbox"/> Unknown | | | Culture of Tissue and Other Body Fluids Collection Date mm/dd/yyyy <input type="text"/> | |
| If culture is positive, enter anatomic code <input type="text"/> | | | | |
| Culture of Tissue and Other Body Fluids Report Date mm/dd/yyyy <input type="text"/> | | | | |
| Culture of Tissue and Other Body Fluids Laboratory Type <input type="checkbox"/> Public Health Laboratory <input type="checkbox"/> Commercial Laboratory <input type="checkbox"/> Other <input type="text"/> | | | | |

Other Enhancements

- Specimen ID was added to case export
- Melioidosis was added to the list of Reportable Conditions
- Salmonellosis and Shigellosis can now be completed as ‘Suspect’
- Expanded date editing privileges for System Administrators

Fixes:

- Report 2 sub-total sums are now correct.
- Report 3 PDF column formatting issue resolved.
- STEC specific disease search will now export fields in Contact Information section.
- Calculation fixes were made to Field Record and Investigation Record Reports.
- Various NETSS reporting fixes have been implemented.
- Unmerge patient search efficiency was improved.
- The bug creating a JSP error that would occur rarely while reviewing two patients for an unmerge operation has been fixed.
- The redup unmerge error that could occur during an unmerge operation has been corrected; cases that have been sent back to the dedup queue and have been deleted will no longer appear on the unmerge list.
- The initial case entry date will now be used for cases pushed back to the dedup queue. This is for if the patient is merged, but the case is created new (days after initial case entry).

- A session cleaner was employed to address session corruption. Variables held in the memory are reset. For example, if a disease specific search is run, and a case is selected before the cases are exported, when you exit the case, your temporary disease specific disease case listing will no longer display.
- Fixes made to STD Field Records