

# Release Notes – MDSS Version 2.8.0

March 2009

## 1. Improved Audit (Phase I)

- Added the 'Investigation Status' to display on the Audit Tab. It will not appear for activities that occurred prior to this version of the application.
- The Audit tab will now display more information including the case status and action for each audit record. The action indicates when a case was added, a patient was merged, a lab deleted, etc. See the table below for a complete listing of the actions.
- Actions marked with \* in the table below are new so they will not appear for activities that occurred prior to this version of the application.

Action Name	Description
Add Case	User entered a new case for a new patient
Add Case Electronic Lab	Case added from ELR
Add Lab	User saved a new lab
Add Note	User saved a new note
Add Address	User saved a new address
Update	User updated case through main tab, demographics tab, referrer tab, or pdf form
Update Lab	User updated existing lab
Update Address	User updated existing address
Delete Lab	User deleted lab
Unmerge Case	User unmerged case
Unmerge Patient	User unmerged patient
*Merged Case	User chose to merge new case data into an existing case through dedup process
Case Merge Data	User had added the case data that was merged into an existing case by user who did "Merged Case" action
*Case Not Merged	User chose to not merge the new case with any existing cases for the matched patient
Add New Case Data	User added the new case that went through the dedup process and was identified as a new case by the user who did the "Case Not Merged" action
*Merged Patient	User chose to merge new patient with an existing one that had been identified as a possible match in the system
Patient Merge Data	User had added the patient data that was merged with an existing patient by user who "Merged Patient"
*Patient Not Merged	User chose to not merge the new patient to any existing patients that were identified as possible matches
deleteLabResult	Note this action may appear for older cases but is logged as part of the Update Lab as of 2005
createLabResult	Note this action may appear for older cases but is logged as part of the Update Lab as of 2005
updateLabResult	Note this action may appear for older cases but is logged as part of the Update Lab as of 2005

2. Added a new field for 'Case Update Date'
  - Any time a user clicks the submit button when editing a case it will change the 'Case Update Date'.
  - 'Case Update Date' is also changed when you merge a case into an existing case. This allows users to identify cases that have had additional information added to them, such as lab reports.
  - 'Case Update Date' is associated with a case and not a person. If you merge the person and create a new case the case update will not change on any other existing cases for this person.
  - Once a case in MDSS is 'Completed' the 'Completion Date' will now be locked and will not change if a cases is reactivated and then completed again. Cases that have been updated since they were first marked as completed can be identified using the Case Update Date.
  - 'Case Update Date' is available on all case detail forms.
  - 'Case Update Date' can be used for searching under the advanced search options.
  - 'Case Update Date' is now included in the case listings export.
  
3. Added Vancomycin-resistant *Staphylococcus aureus* (VRSA) and Vancomycin-intermediate *Staphylococcus aureus* (VISA) to reportable conditions list and added Case detail forms to the MDSS.
  
4. Ehrlichiosis changes to meet revised CSTE and CDC case definitions –
 

Removed the following reportable conditions from the list for new case entry but left them for searches and reports:

Ehrlichiosis  
 Ehrlichiosis human, other, unsp  
 Ehrlichiosis, human monocytic  
 Ehrlichiosis, human granulocytic

Added the following new reportable conditions to the MDSS:

Ehrlichiosis, Ehrlichia chaffeensis  
 Ehrlichiosis, Ehrlichia ewingii  
 Ehrlichiosis, Anaplasma phagocytophilum  
 Ehrlichiosis, human other/undetermined
  
5. Varicella Changes
  - Added two new reportable diseases to the MDSS, 'VZ Infection, Unspecified' and 'Shingles'. This allows Laboratories to report their positive VZV PCR, DFA, and culture reports as 'VZ Infection, Unspecified'. Following some investigation by the LHD to determine the background of the case the report would be changed to either 'Chickenpox (Varicella)' or 'Shingles' in order to close it out. For those instances where the case was lost to public health follow-up or no further info could be obtained cases can be closed out as, 'VZ Infection, Unspecified'.
  - **MDCH is NOT requesting that local health departments begin reporting Shingles cases in the MDSS.** It is only being provided as an option to reclassify already reported cases of varicella zoster virus infection that are deemed to not be Chickenpox cases.
  
6. Added Case Detail Form for Creutzfeldt-Jakob Disease to the MDSS.
  
7. Eliminated "Hepatitis C Unknown" from case entry but it is still as an option for reports and searches.
  
8. Eliminated "Flu like Disease" from Individual case entry but it is still as an option for individual/aggregate reports and searches and aggregate entry.
  
9. Diseases no longer available for individual case entry will appear with an \* following their name in the case editing and reporting screens. These diseases include: Ehrlichiosis, Ehrlichiosis human, other, unsp, Ehrlichiosis, human monocytic, Ehrlichiosis, human granulocytic, Flu Like Disease, Hepatitis C Unknown, and Q Fever.
  
10. A user with the Job Function of Epi Staff/CD Nurse can now be set to receive automatic case assignments.
  
11. State level users can now reassign the 'Assigned Investigator' to other state level users.

12. Restructured the case listing page based on user feedback

- Reordered the columns.
- Added 'Date of Birth Column'. For cases where the Birth Date is unknown it just displays blank. For the aggregate cases the birth date is blank.
- Changed 'Jurisdiction' column to 'County'.
- Changed the patient name to display as '*Last Name, First Name Middle Name*'.
- 'Patient DOB' and 'County' are available as sort options.

Displaying results 31-40 of 43 found  
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Investigation Status	Referral Date	Patient Name	Date of Birth	Disease	Investigator	County	
New	02/11/2009	TESTONE, HIB		Pertussis	PRYOR, ANNA	Ingham	<a href="#">Edit</a>
New	02/11/2009	AAA, AAA		Tuberculosis	CARLSON, BRAD		<a href="#">Edit</a>
New	02/11/2009	TESTONE, HIB		Tetanus	PRYOR, ANNA	Ingham	<a href="#">Edit</a>
New	02/11/2009	TESTONE, HIB		Cholera	PRYOR, ANNA	Ingham	<a href="#">Edit</a>
New	02/12/2009	TEST, UMERGE	01/01/1980	Salmonellosis	HARTL, BRIAN	Kent	<a href="#">Edit</a>
New	02/12/2009	TEST, UNMERGE		Shigellosis	HARTL, BRIAN	Kent	<a href="#">Edit</a>
New	02/12/2009	TEST, UNMERGES	12/31/1990	Streptococcus pneumoniae, Inv	PRYOR, ANNA	Ingham	<a href="#">Edit</a>
New	02/12/2009	UNMERGE, TEST ONE		Ehrlichiosis	MATTSON, KARLA K	Alcona	<a href="#">Edit</a>
New	02/16/2009	DOUGHNUTS, POWDERED CHOCOLATE		Anthrax	CARLSON, BRAD		<a href="#">Edit</a>
New	02/17/2009	PIGGY, PETUNIA ROSE		Brucellosis	HARTL, BRIAN	Kent	<a href="#">Edit</a>

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13. 'Outbreak Name' field has been added for aggregate cases.

- 'Outbreak Name' can be added to existing aggregate cases by editing the case.
- You can search for aggregate cases by 'Outbreak Name'
- 'Outbreak Name' is included in the case listings export for aggregate cases.

Case Reporting Referrer Notes Audit

Patient ENTRY, AGGREGATE Locked by CARL SONBR (BRAD CARLSON)

Reportable Condition\*: Flu Like Disease Case Status\*: Confirmed Investigation Status\*: Active

Aggregate Information  
 MMWR: 9-2009  
 Cases\*: 15 Deaths: 0 Reporting Period\*: Daily Report

New Information  
 Hospitalized(New): 0 Isolated(New): 0 Quarantined(New): 0

Totals  
 Hospitalized(Total): 0 Isolated(Total): 0 Quarantined(Total): 0

Investigation Address  
 Street: Geocode Source:  
 City: County: Washtenaw State: Michigan Zip:  
 Jurisdiction: Washtenaw County

Investigation Information  
 Outbreak Y/N: Unknown **Outbreak Name: SCHOOL A**  
 Referral Date (mm/dd/yyyy): 03/04/2009 Case Entry Date: 03/04/2009  
 Investigation ID: 1530182453 NETSS ID: 600740 Assigned to: HARGROVE, TANGANIK A / Washtenaw County

\*Indicates required items  
[Reset](#) [Submit Changes](#) [Cancel](#) [Help](#)

Name of Saved Search: Default Search

Investigation ID: Case Status: Confirmed Not a Case Investigation Status: Active Canceled

Reportable Condition: AIDS, Adult AIDS, Pediatric Amebiasis Animal Bite **Outbreak:** Reporting Source:

Cases: to Deaths: to

Date Criteria  
 Referral Date (mm/dd/yyyy): to Reporting Period: MMWR Week (ww-yyyy):  
 Entry Date (mm/dd/yyyy): to MMWR Week (ww-yyyy):  
 Case Update Date (mm/dd/yyyy): to

Geographic Criteria  
 Local Health Jurisdiction: County: Region: Facility:  
 Allegan County Alcona 1 ALLEGAN GENERAL HOSP  
 Barry-Eaton Alger 2 North ALPENA GENERAL HOSP  
 Bay County Allegan 2 South ASPIRUS KEWEENAW HOSP  
 Benzie-Leelanau Alpena 3 ASPIRUS ONTONAGON HOSP

New Information  
 Hospitalized(New): to Isolated(New): to  
 Quarantined(New): to

Totals

14. Diagnosis date has been added to the html screens for new case entry, case editing and the case listing export.

The image shows a web application interface for case entry. On the left is a blue sidebar menu with the following items: Cases, New Case, New Aggregate Cases, Searches, New Search, New Aggregate Search, Disease Specific Search, Case Definitions, Alert Rules, Display Supplemental Forms, User Profile, and User Directory. The main content area is titled 'Investigation Information' and contains several sections: 'Investigation Information' with 'Reportable Condition\*' (-SELECT-) and 'Case Status\*' (-SELECT-); 'Patient Information' with 'Patient Status\*' (-SELECT-) and 'Patient Status Date\*' (mm/dd/yyyy) set to 03/04/2009; fields for 'First\*', 'Last\*', and 'Middle'; a 'Street' field; fields for 'City', 'County', 'State', and 'Zip'; 'Home Phone (###-###-####)' and 'Other Phone (###-###-####)' fields with 'Ext.' sub-fields; 'Onset Date (mm/dd/yyyy)' and 'Referral Date (mm/dd/yyyy)'; and 'Diagnosis Date (mm/dd/yyyy)'. The 'Diagnosis Date' field is circled in red. Below the form is a red error message 'Some required items' and buttons for 'Continue', 'Cancel', and 'Help'.