



## MDSS Release Notes

Version 6.0

December 2019



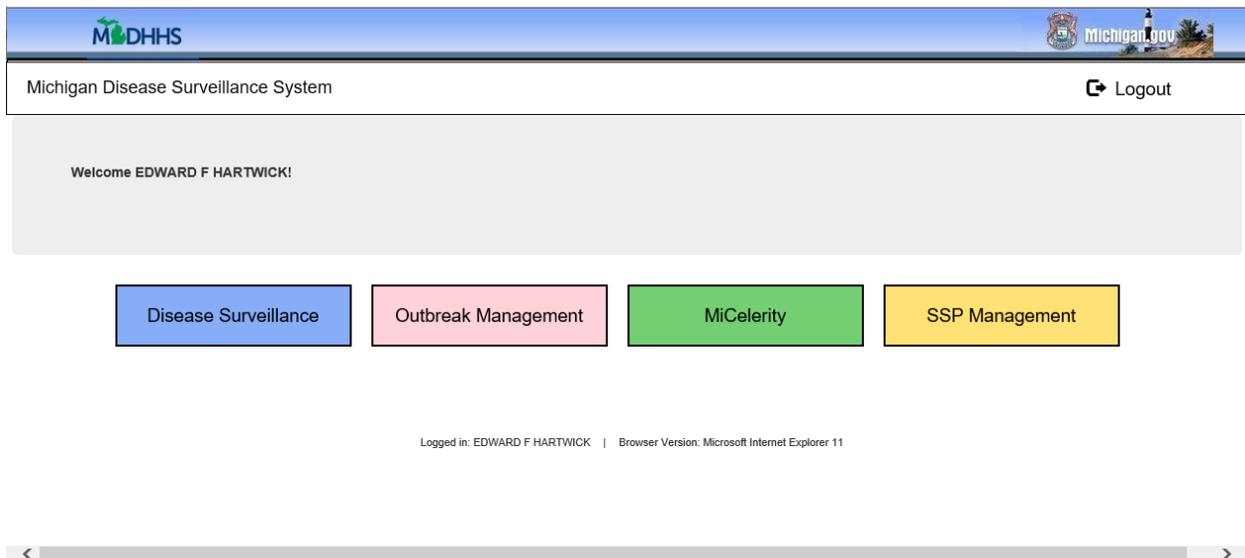
### Table of Contents

MDSS Portal Page.....	2
Updated Registration Page .....	2
Static Patient ID.....	3
Lab Tab Enhancements .....	3
Save and Exit Buttons in Forms.....	4
Case Export Options Updated.....	4
Notes Tab Sort .....	5
Hepatitis C Cleared Status.....	5
Disease Trends Report .....	6
Disease Specific Form Multiple Investigation ID Search .....	7
Manual Lab Entry Updates.....	7
Form Updates .....	8
New Conditions.....	8
Updated Conditions .....	8
Renamed Conditions.....	8
STD Updates.....	9
Deduplication Queue Updates.....	9
Deduplication Queue Order .....	9
Deduplication Queue Item View.....	9
Deduplication Queue Filter Wildcard .....	9
Bug Fixes .....	10
System Administration Items.....	10

## MDSS Portal Page

In MDSS 6.0, two new components of the MDSS will be officially launched. The MiCelerity component that will focus on overdose and poisonings and the Syringe Service Program (SSP) Utilization Platform (SUP) that will focus on the SSP program that is run by the Hepatitis Unit. With the expansion of MDSS to include these components as well as the Outbreak Management System (OMS) that was released previously, MDSS will be introducing a Portal Page.

The Portal Page is the initial landing page for users as they login to MDSS. From there, they can choose which component to enter. The only components that the user has access to, or has requested access to, will be displayed on the Portal Page.



Users who have access to only one of the components will still land on the Portal Page and must click on the component to login. The Logout button on each of the components will bring users back to the Portal Page, where the Logout button on the Portal Page will log users out completely and close the window.

Information on the best practices for each of the new components of MDSS will be posted on the MDSS website (<https://www.michigan.gov/mdss>) as they become available.

## Updated Registration Page

With the new components and the new portal page, the registration page for new users in the system has been updated as well. Information in the registration page will be pulled into the registration email and sent as it has been before.

The key differences between previous versions and the current version is that the Statewide checkbox has been removed. The determination of where the email goes is based on the User Type, County selected in the Employment Address, System Access checkboxes. User Types of Local Health Jurisdiction Staff, Healthcare Provider/Infection Control, Laboratory, and School will be forwarded to the Local Health Jurisdiction listed in the Employment Address County. User Types of MDHHS Staff, Pharmacy and

Syringe Service Provider will be sent to MDHHS Staff. Users that check MiCelerity or SUP Checked will be routed to the respective program staff at MDHHS.

**MDSS TEST APPLICATION**  
Michigan Disease Surveillance System

**General Information**

First Name: Ed Last Name: Hartwick  
 Email: hartwicke@michigan.gov Phone Number: 517-284-4947

**User Type**

MDHHS Staff  
 Healthcare Provider/Infection Control  
 School  
 Syringe Service Provider  
 Local Health Jurisdiction Staff  
 Laboratory  
 Pharmacy  
 Other

Place of Employment   
 Position Title

**Employment Address**

Street Address  Street Address 2   
 City  County   
 State  Zip

**Systems Access Needed**

MDSS  OMS   
 MiCelerity  SUP

Comments:

Cancel Reset Register Help

## Static Patient ID

The patient ID in MDSS will now be a static ID number based on the patient that the case is merged into. Previously, a merged patient would have two previous patient IDs that were the components of the merge, and then a new post-merge patient ID. Starting in MDSS 6.0, the patient that the new case/lab is being merged into will retain its patient ID. If the patient is unmerged, that patient that was merged into will retain the patient ID after unmerge, and the patient that was merged into the case will receive a new patient ID.

## Lab Tab Enhancements

The Lab Tab in the MDSS will now feature more information as well as the ability to sort each column. Collection Date and Result have been added as columns as well as an indicator (\*) to whether the lab is associated with the case being viewed.

**Date Received:** The date that the lab was merged into the patient.

**Collection Date:** The collection date listed in the lab report.

**Test Name:** The test name on the lab. An asterisk indicates whether the test is associated with the case that is being viewed.

**Result:** This displays the first line of the first result in the test. Tests may contain more than one result and results may span more than one line, so please check the individual test with the View button if the Result column has data that is unexpected or if the Test Name would suggest that more than one result may be available (e.g. Hepatitis Panel).

**Electronic:** This column indicates whether the test was received via Electronic Lab Result or Manual Entry. Yes indicates an automatic ELR result created the test, No indicates that it was a manual entry by a user.

Date Received	Collection Date	Test Name (* Case Associated)	Result	Electronic		
12/09/2019	12/03/2019	HSV XXX Cult	MISC	Yes	View	Delete
11/21/2019	11/21/2019	HBV core Ab Ser Q	POSITIVE	Yes	View	Delete

Clicking on the up and down arrow icon next to the column name will sort the columns in ascending order on that column. Clicking the icon again will reverse the order of the sort.

## Save and Exit Buttons in Forms

The Submit and Cancel buttons in the case report forms in MDSS have been replaced with Save and Exit. Previously, Submit would save the form and return you to the Case Reporting tab and Cancel would return you to the Case Reporting tab without saving.

Now, the Save button will save the data in the form and refresh the page. The Exit button will close the page without saving. However, it will prompt users to save if they try to exit without saving changes made to the form.



## Base Case Investigation Report

Michigan Department of Health and Human Services

## Case Export Options Updated

On the Case Listings page, the checkboxes underneath the Export button for including labs and the Lab Driven export have been replaced with a pulldown list. The pulldown list has the existing options, and one new feature – a case-centric lab driven export.

The Export will feature these four options:

**Standard Export without Labs:** This is the default export that has been in MDSS. A line listing of all cases in the current search without any labs.

**Standard Export with Labs:** This is the equivalent of having the “Include Labs in Export” box checked in MDSS 5.2, a line list of all cases in the current search and the five most recent labs.

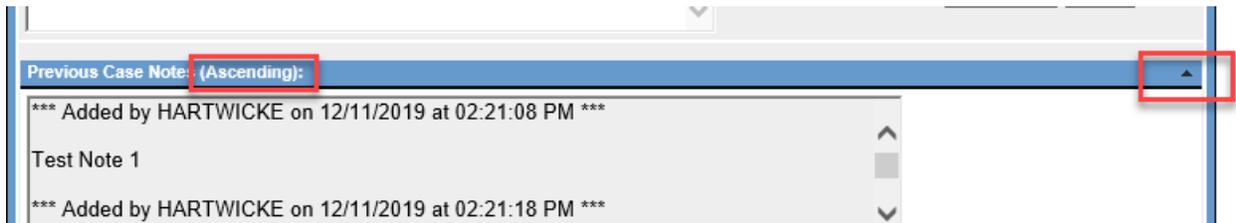
**Lab Driven Export – Person Centric:** This is equivalent to having the “Lab Driven Export” box checked in MDSS 5.2. It is a list of all labs associated with every person listed in the current search, regardless of whether the labs are associated with cases not shown in the search.

**Lab Driven Export – Case Centric:** This is the new export option. It is a list of all labs ONLY associated with the cases shown in the current search. These labs would be indicated in the Lab Tab of the case by an asterisk (as mentioned in the Lab Tab Enhancements area).



## Notes Tab Sort

The Notes tab now can sort the Previous Case Notes by its timestamp. The default order is ascending, but the arrow selection at the end of the column will reverse the order.



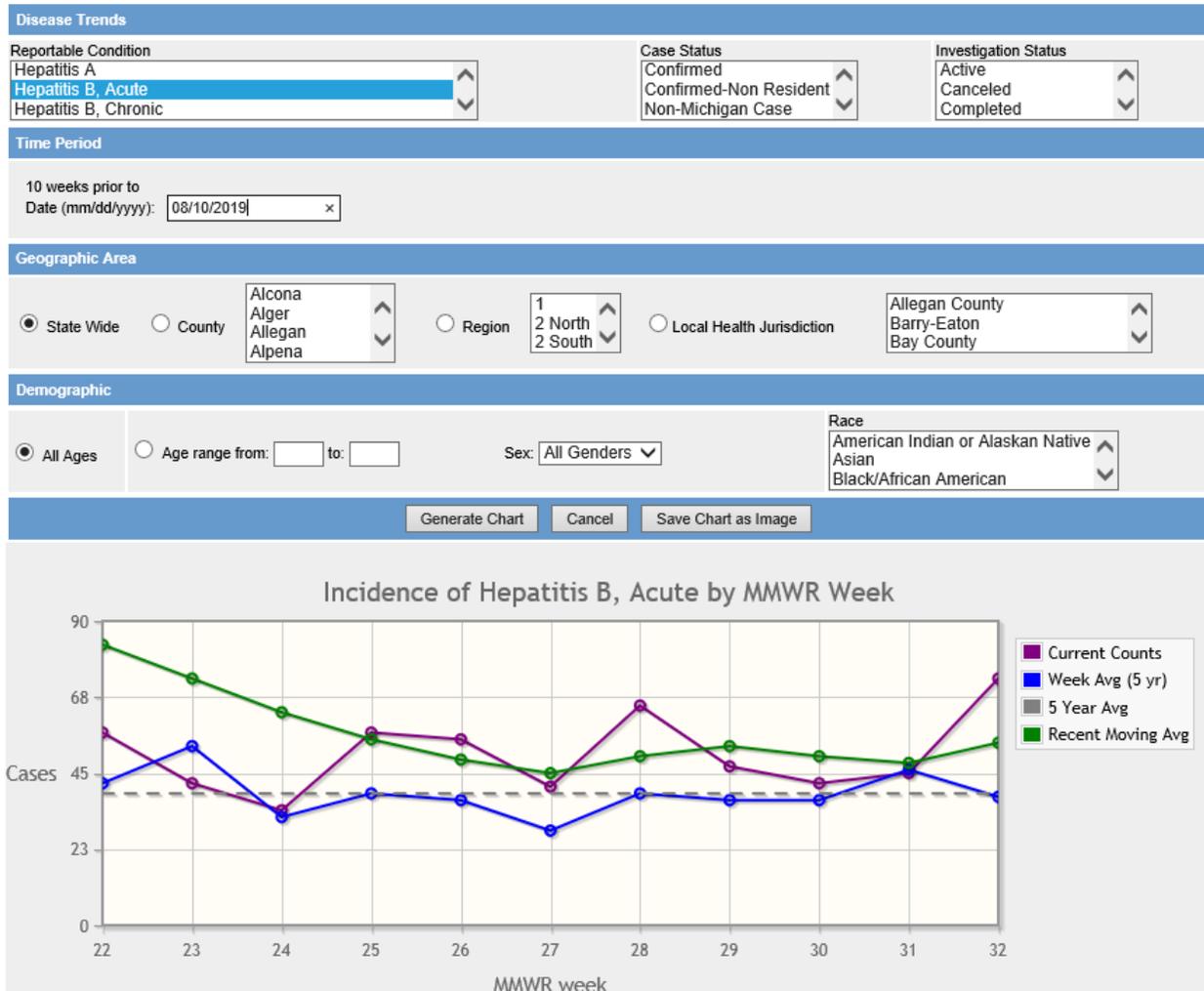
## Hepatitis C Cleared Status

There is a Cleared status checkbox that is a new addition to the Hepatitis C Chronic form now. The checkbox is not editable currently. When a negative Hepatitis C RNA electronic lab comes into the MDSS and is paired with a Chronic Hepatitis C case, it will automatically update the case status “Not A Case” for cases in the same calendar year. Any subsequent Positive Hepatitis C labs that come in for a “cleared” patient will be assumed to be a reinfection and will create a new case instead of being automatically merged into the existing cleared case.

## Disease Trends Report

A new report has been created in the Reports area called Disease Trends. The report will look at the 10 weeks prior to the date listed in the Time Period area for the condition(s) selected. Based on the selections made, it will show the current case counts for the MMWR week, the average for that MMWR week for the last five years, the moving average for the previous 10 weeks, and a line for the overall five-year weekly average.

As with other reports, if no selection is made in an option, then all are assumed to have been selected.



## Disease Specific Form Multiple Investigation ID Search

The ability to search in the Disease Specific Search by multiple individual Investigation ID numbers has been added in MDSS 6.0. This list can be either entered into a search box as a comma separated list (no spaces), or as a simple CSV file that can be uploaded.

The search will only result cases that are for the condition in the Disease Specific Search, ignoring the IDs for different conditions. However, the same list could be used in several different Disease Specific Searches without changes if the list contained more than one condition.

Investigation Information					
Investigation ID	Onset Date <i>mm/dd/yyyy</i> to	Diagnosis Date <i>mm/dd/yyyy</i> to	Referral Date <i>mm/dd/yyyy</i> to	Case Entry Date <i>mm/dd/yyyy</i> to	Case Completion Date <i>mm/dd/yyyy</i> to
Investigation Status	Case Status <input type="checkbox"/> Confirmed <input type="checkbox"/> Not a Case <input type="checkbox"/> Probable <input type="checkbox"/> Suspect <input type="checkbox"/> Unknown <input type="checkbox"/> Non-Michigan Case			<input type="checkbox"/> State Prison Cases <input type="checkbox"/> Non Prison Cases	
Patient Status	Patient Status Date <i>mm/dd/yyyy</i> to	Case Disposition	Part of an outbreak?	Outbreak Name	Case Updated Date <i>mm/dd/yyyy</i> to
Batch IDs   <input type="text"/> Choose a File <input type="button" value="Browse..."/>					

## Manual Lab Entry Updates

When entering a manual lab, the Select Ordered Test line was defaulted to Other previously, it will now be defaulted to a blank option.

When entering a new result on a manual lab, only one type of result will be entered at a time (coded, text, or numeric).

New Result	
Reported Test Name :	Filter Test List By: <input type="text"/> Filter Clear Select Test: Parasite identified in Isolate
	Parasite identified in Isolate
<input checked="" type="radio"/> Coded Result :	Filter Result List By: <input type="text"/> Filter Clear Select Result: <input type="text"/>
<input type="radio"/> Text Result :	
<input type="radio"/> Numeric Result :	<input type="text"/> <input type="text"/> <input type="text"/>
Comments :	
Relevant Clinical Information :	
Add Result Cancel Help	

## Form Updates

MDSS 6.0 includes several form updates due to changes specified by new guides on sending data to CDC as well as updated case definitions. Some of these changes have been substantial enough that data conversion could result in loss of data from previous versions of the forms. For those conditions, new conditions have been created.

### New Conditions

The following conditions have gone through significant form changes in MDSS 6.0 and will be using a new form and new condition beginning in 2020. Cases for 2019 should use the old condition/form. If you have any questions, please feel free to reach out to the program staff for the condition or to your Regional Epidemiologist.

Starting in 2020, use this Condition	For 2019 cases, use this Condition
Ehrlichiosis, Anaplasma phagocytophilum	Ehrlichiosis, Anaplasma phagocytophilum (2009-2019)*
Ehrlichiosis, Ehrlichia ewingii	Ehrlichiosis, Ehrlichia ewingii (2009-2019)*
Ehrlichiosis, Ehrlichia chaffeensis	Ehrlichiosis, Ehrlichia chaffeensis (2009-2019)*
Encephalitis, California Serogroup	Encephalitis, California (Pre-2020)*
Encephalitis, Eastern Equine	Encephalitis, Eastern Equine (Pre-2020)*
Encephalitis, Powassan	Encephalitis, Powassan (Pre-2020)*
Encephalitis, St. Louis	Encephalitis, St. Louis (Pre-2020)*
Encephalitis, Western Equine	Encephalitis, Western Equine (Pre-2020)*
Dengue Fever	Dengue Fever (Pre-2020)*
Rickettsial Disease - Spotted Fever	Rickettsial Disease - Spotted Fever (Pre-2020)*
CP-CRE	CP-CRE (Pre-2020)*
Chikungunya	Chikungunya (Pre-2020)*
Cyclosporiasis	Cyclosporiasis (Pre-2020)*
Dengue Fever	Dengue Fever (Pre-2020)*
West Nile	West Nile (Pre-2020)*
Yellow Fever	Yellow Fever (Pre-2020)*
Zika	Zika (Pre-2020)*

### Updated Conditions

The following conditions had case report form updates, but no new condition was created.

Babesiosis	Cholera
Cryptosporidiosis	Hepatitis C
Salmonella	Vibrio Non-Cholera
Candida auris (moved from Basic to Individual form)	

### Renamed Conditions

In order to align more with the newer naming convention in the system that also indicates the time period from which the cases were the active condition, we have renamed several deprecated conditions (designated by the asterisk at the end of the condition name). Only cases

with referral dates within the time period listed in the condition name should be assigned to these conditions.

Old Name	New Name
Ehrlichiosis*	Ehrlichiosis (Pre-2009)*
Ehrlichiosis human, other, unsp*	Ehrlichiosis human, other, unsp (Pre-2009)*
Ehrlichiosis, human granulocytic*	Ehrlichiosis, human granulocytic (Pre-2009)*
Ehrlichiosis, human monocytic*	Ehrlichiosis, human monocytic (Pre-2009)*
Ehrlichiosis, human other/undetermined*	Ehrlichiosis, human other/undetermined (2009-2019)*

### STD Updates

Significant changes have been made to the Chlamydia, Gonorrhea and Syphilis forms in MDSS. The Case Report, Field Record, and Interview Record forms have been streamlined. Going forward the Interview Record will be eliminated. Guidance on the form changes and how they effect workflow has been developed by the MDHHS STD Program and will be posted to the MDSS website (<https://www.michigan.gov/mdss>) as it is made available.

## Deduplication Queue Updates

### Deduplication Queue Order

The order tasks in the deduplication queue change with MDSS 6.0. Previously, the Patient Deduplication occurred before the Condition Assignment when processing a new entry. With this version, the Condition Assignment has been moved ahead of that. This is to help in automating processes.

### Deduplication Queue Item View

MDSS 6.0 introduces a feature to be able to view the information available in a queue item in the MDSS for items that were entered via Electronic Lab Reports (ELR). Selecting View will allow the user to see the information in the ELR to help determine whether the existing persons and cases are appropriate candidates to merge the new message into. This feature is not available for manually entered cases.

Displaying results 11-11 of 11 found

[\[< First\]](#) [\[<< Prev\]](#) [1](#) [2](#) [\[Last >\]](#)

Pending Work Queue						Date	Sort	Help
Search By		First Name	Last Name	Primary Jurisdiction		Filter	Clear	
Date Added	Type	Current Owner	Jurisdiction	Added By				
12/11/2019	PATIENT DEDUP - LAB Sparrow Labs		Ingham County	SPARROW HOSPITAL LAB	Resolve	View		

[\[< First\]](#) [\[<< Prev\]](#) [1](#) [2](#) [\[Last >\]](#)

### Deduplication Queue Filter Wildcard

The “Search By” filters in the Pending Work Queue are capable of a wildcard search now using the asterisk. The wildcard (\*) option has been available for some time in the “New Search” page and is now being added to the deduplication queue search in MDSS 6.0. Both the First and Last

Name filters work together, so if searching for “John Smith”, the queue item should show up inside of searches for “J\* S\*”, “John S\*”, “J\* Smith”, and “John Smith”.

## Bug Fixes

- Fixed a bug where Black/African American showed up as “?” in Report 2
- Travel Dates in the Cryptosporidiosis and Shigella forms are now able to be set in the future
- Relevant Clinical Info is now editable in Cryptosporidiosis and Shigella forms
- Slowness in the Hep C Lab Holding Area has been resolved
- Fixed issue where numeric results in some ELRs were getting moved by one decimal place
- Lab driven exports (both Person and Case Centric) will have a Batched Export option available

## System Administration Items

- Tuberculosis Case Report Forms will open as expanded view to alleviate slowness issues.