MDSS Release Notes

Version 4.5

February 2017

Contents

Hepatitis C Case Auto-match

For incoming Hepatitis C ELR, MDSS will now automatically merge the lab into the case if there is an existing completed Hepatitis C case. This will only merge to cases that have an Investigation Status of New, Active, Review, Completed, or Completed Follow-Up and a Case Status of Confirmed or Probable.

If the match criteria for automatic patient merging are met as well, the lab result will skip the deduplication queue entirely and insert itself into the case with the audit action of "Auto-match Lab added for this Case."

If the patient is merged manually, the MDSS will check for an existing case that qualifies and will automatically merge the lab into the case without further intervention.

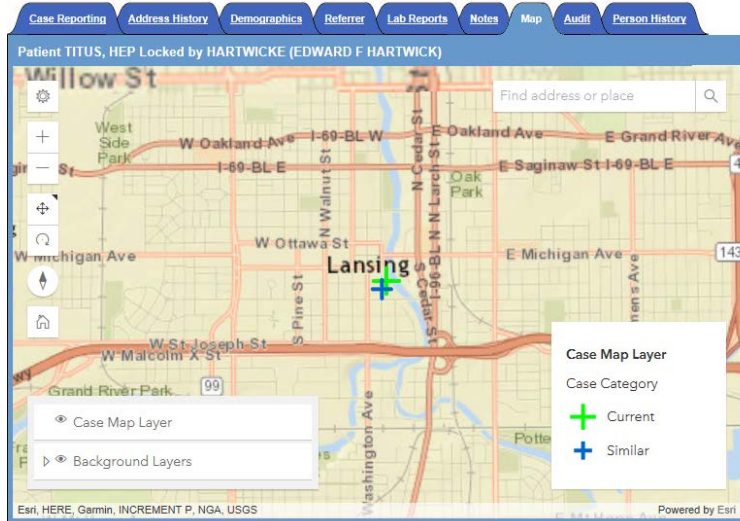## GIS Map Restoration and Improvements

With MDSS 4.5, GIS functionality that had been disabled after retirement of the previous map service by the Michigan Department of Technology, Management and Budget will be restored using a new map service hosted by DTMB. In general, the same reports and map layers that were previously available will be re-enabled with new base maps and modern functionality.

Note: Mapping functionality will not work if Compatibility Mode is active in Internet Explorer.
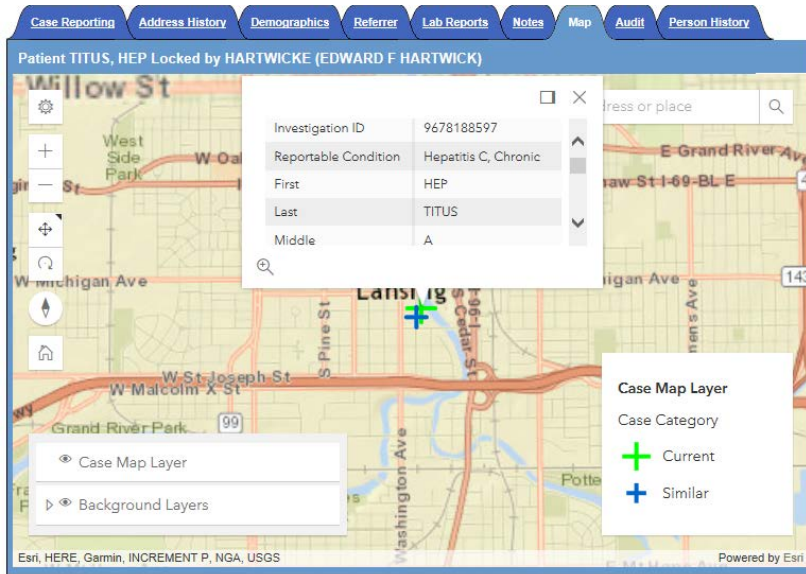
Map Tab

When viewing the Map Tab inside the case, users will see the current case indicated by a green plus (+) and similar cases with a blue plus (+). Similar cases are cases that have the same condition with a Case Entry date within the month previous to the index case or after. Cases are only shown if the user viewing has permission to otherwise view that case.

Map controls are along the left side of the map and can be turned on and off and base map changes can be made under menus in the Map Settings button (gear icon). Overlay layers are controlled by the Case Map Layer and Background Layers areas in the bottom left. Real-time panning and zooming are done with mouse controls, similarly to most interactive map websites.
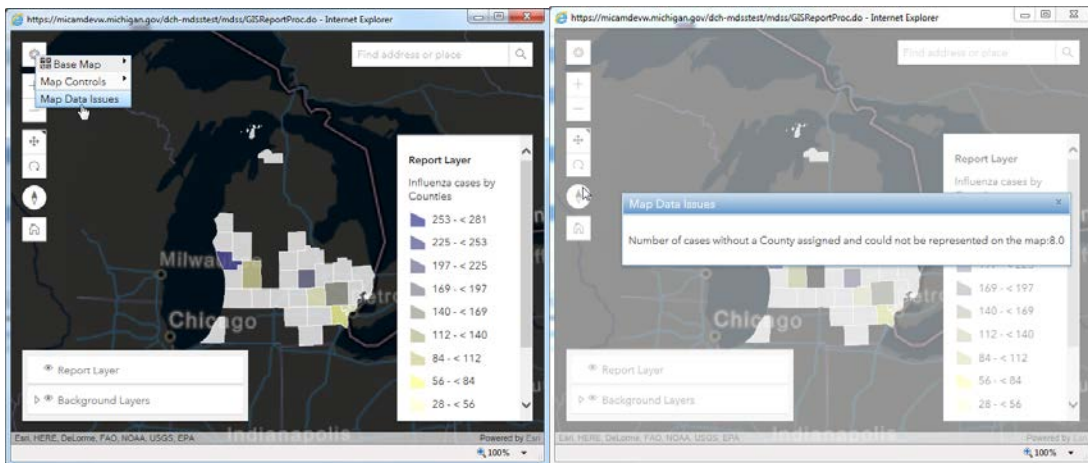
Clicking on the case locations on the map itself will result in a text box that pops up giving information about the case shown on the map.

GIS Report

The GIS Map of Diseases by Geography under the Reports area has also been re-enabled with the mapping update. The controls are the same as described in the Map Tab above. The GIS Report also gives notification if cases are not able to be displayed due to an incomplete address.

As with the Map Tab, items on the map screen can be turned on and off under the Map Settings control panel.

Form Updates

Congenital Syphilis

The Congenital Syphilis form has been updated to reflect more of the information that is requested by the CDC for Congenital Syphilis cases.

Information about the mother's residence is added to the Patient Information section.

The Mother's Clinical Information section has been expanded with several new questions added. Trimester calculations are made based on date entry for Last Menstrual Period and Infant's birthdate.

Mother's Clinical Information cont.

Please indicate the dates and results of all known treponemal and non-treponemal tests.

Test Type [▾]   Lab Result Date *(mm/dd/yyyy)* [ ] [📅]   Time Period [▾]

Test [▾]   Result [▾]

The Infant's Clinical Information section has also been updated. The majority of those updates change the variables of the questions rather than the questions themselves.

Infant's Clinical Information

Vital status
○ Alive ○ Born alive, then died ○ Stillborn ○ Unknown

Indicate date of death *mm/dd/yyyy* [ ] [📅]   Birthweight *(in grams)* [ ]   Estimated gestational age *(in weeks)* [ ]

Non-treponemal tests

Did infant/child have a reactive non-treponemal test for syphilis? *(e.g. VDRL, RPR)*
○ Yes ○ No ○ Unknown

When was the infant/child's first reactive non-treponemal test for syphilis? *mm/dd/yyyy* [ ] [📅]

Indicate titer of infant/child's first reactive non-treponemal test for syphilis [▾]

Treponemal tests

Please indicate the infant's/child's treponemal test results [▾]

When was the infant/child's first reactive treponemal test for syphilis? *mm/dd/yyyy* [ ] [📅]

Please indicate which of the following symptoms the infant/child experienced *Please check all that are relevant*
☐ No signs / Asymptomatic ☐ Condyloma lata ☐ Snuffles ☐ Syphilitic skin rash ☐ Hepatosplenomegaly
☐ Jaundice / Hepatitis ☐ Pseudoparalysis ☐ Edema ☐ Unknown ☐ Other, specify [ ]

Laboratory Confirmation

Did the infant/child have a darkfield exam? [▾]   Result [▾]

Did the infant/child have a DFA? [▾]   Result [▾]

Did the infant/child have CSF WBC Count? [▾]   Result [▾]

Did the infant/child have an IgM-specific treponemal test?
○ Yes, reactive ○ Yes, nonreactive ○ No test ○ Unknown

Infant/Child Evaluation

Did the infant/child have long bone X-rays?
○ Yes, changes consistent with CS ○ Yes, no signs of CS ○ No xrays ○ Unknown

Did the infant/child have a CSF-VDRL? [▾]   Result [▾]

Did infant/child have a qualitative CSF protein level? [▾]   Result [▾]

Was the infant/child treated? [▾]

Arbovirus Form

In MDSS 4.5, the form as it relates to Arboviruses in the MDSS has been significantly updated to more closely align to data that is requested for the Arbovirus program at CDC. This form will be used for California, Eastern Equine, Powassan, St. Louis, and Western Equine Encephalitis, Dengue Fever, Chikungunya, Yellow Fever, West Nile Virus and Zika.

The new Arbovirus form does have some Zika-specific questions that are only shown when in a Zika case. They are under the Clinical Information section of the form.

Meningococcal Disease

There were changes to the Meningococcal Disease Form in the form of addition of Other and Unknown options for several questions, addition of medication and housing status questions, and clarification of saliva contact in the Risk Factors section. There is also an addition of a Sexual Health section to the form as well.
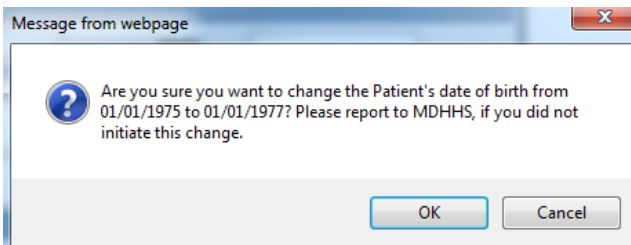
Patient Auto-merge enhancements

The Automatic Patient Merge feature has been changed so that if an existing person has an "Unknown" race or ethnicity and the incoming auto-merge data contains either of those fields, the new race and/or ethnicity will overwrite the unknown value.

The Automatic Patient Merge will now compare the middle name to prevent persons with different middle names from being merged.   The middle name is not used otherwise in automatic patient merge.

Date of Birth Change Alert

A text box alert has been added when an existing patient's birthdate is about to be changed. Clicking the cancel button will revert the selection to the existing data, clicking OK will confirm the change.

If for some reason the date of birth change was not requested by you, please contact your Regional Epidemiologist or an MDSS System Administrator.   Please let us know as much information about the actions leading up to that point, such as the page you were submitting that triggered the change warning, items you may have been editing, the browser you're using, or anything unusual that you had experienced in this session.

Other Fixes

- Hepatitis C completion rules will not apply to referral dates before 01/01/2016.
- New Search now defaults to "Include MDOC" instead of "Exclude MDOC".
- Added MDOC Case Assignment checkbox to user profile.
- Case Listing Export now exports 5 newest labs
- Person History Tab now sorts cases by referral date.
- Adding a Note to a Completed case now changes the status to Review.
- User information retrieved from web service instead of LDAP connection.
- Browser information now displayed at the bottom of most pages.

Bug Fixes

- Fixed bug where Numeric Lab Results not exporting properly.
- Fixed bug where Support Admins not able to set HIV Program.