## MDSS and Electronic Death Registry System (EDRS)

To support communicable disease surveillance, death certificate data are now being sent from the state's Electronic Death Registration System (EDRS) to the Michigan Disease Surveillance System (MDSS).

MDSS receives EDRS data for:

- 1. Individuals with cases in MDSS who have died, regardless of the cause of death.
- 2. Individuals who have died and ICD-10 Cause of Death code(s) specifies a reportable communicable disease. These individuals may or may not have an existing case in MDSS.

### What happens when the EDRS data are received?

If the person is already in MDSS, following deduplication, the Patient Status will update to Died, Patient Status Date will reflect the date of death and Date of Death field will be populated. If the person has multiple cases, these variables will be updated in every case. Because the death may or may not have been due to a reportable condition, MDSS will not change Case Disposition to Died and it will not update any death-related questions within the condition-specific forms.

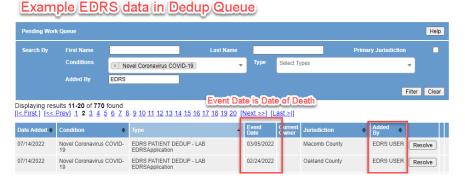
If the person already has a reportable disease case that corresponds to the reportable disease in the death certificate, the EDRS message will go to the dedup queue (Pending Work Queue) and should be merged with their existing case.

If the person is not in MDSS or they are in MDSS but do not have a case that corresponds to the reportable disease coded in the death certificate, a new case should be created. For COVID-19, MDSS will default the new case's status to Probable, for all other reportable diseases, the new case's status will be Unknown.

If an ICD-10 code for a reportable condition is on the death certificate, a web-viewable version of the death certificate will be attached to the case in the Notes tab. If the individual has more than one case, the death certificate will be attached to the case it was merged into.

#### How do I dedup EDRS messages?

EDRS referrals in the dedup (Pending Work Queue) will have "EDRS USER" listed in the "Added By" column. Event date is the date of death.



# For COVID, merge the EDRS referral with existing confirmed or probable cases even if the Event Date (Date of Death) is >90 days since the Referral Date (as long as the condition matches). If the person does not have an existing confirmed or probable COVID case, select "Create New".



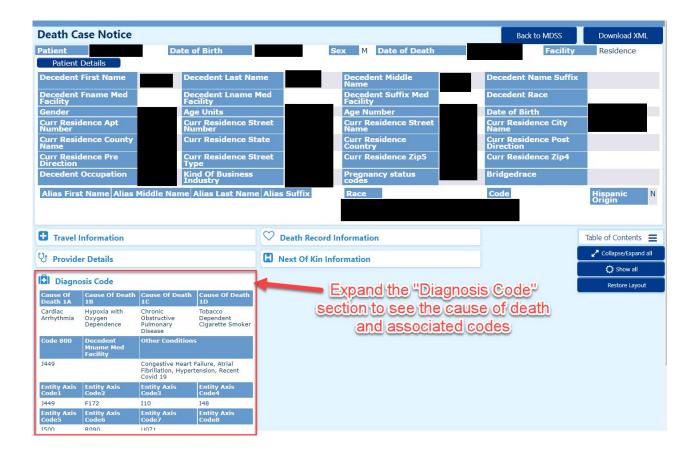
| Date Received   |  |  | Assigned Condition       |              |                                  | Event Date       |  |
|---|--|--|--------------------------|--------------|----------------------------------|------------------|--|
| 07/14/2022  |  | Novel Coronavirus COVID-19                   |                          |              | 02/12/202                        | 2                |  |
| Patient Inform  | ation  |  |                          |              | Date of Death                    |                  |  |
| ID  |  | First Name                                   | First Name Last Name     |              | Date of Birth                    |                  |  |
| Existing Inves  | tigations  |  |                          |              |                                  |                  |  |
| -<br>risting Inves                                      | tigations  |  |                          |              |                                  |                  |  |
| Existing Inves<br>Case Status                           | tigations  | Disease                                      | Referral Date            | Investigator | Jurisdiction                     |                  |  |
| Case Status   |  | Disease<br>Hepatitis B, Chronic              | Referral Date 01/12/2015 | Investigator | Jurisdiction<br>Oakland County   | Matches Existing |  |
| Existing Inves<br>Case Status<br>Confirmed<br>Confirmed | Investigation Status                             |  |                          | Investigator |                                  | Matches Existing |  |
| Case Status<br>Confirmed                                | Investigation Status<br>Superceded               | Hepatitis B, Chronic                         | 01/12/2015               | Investigator | Oakland County                   | -                |  |
| Case Status<br>Confirmed<br>Confirmed                   | Investigation Status<br>Superceded<br>Superceded | Hepatitis B, Chronic<br>Hepatitis B, Chronic | 01/12/2015<br>08/11/2015 | Investigator | Oakland County<br>Oakland County | Matches Existing |  |

#### How do I view the death certificate?

The death certificate is attached to the case under the Notes tab. The file is named EDRS. When you click View, a pop-up window titled ECR Viewer will appear that contains data elements from the death certificate.

| Case Reporting Add                        | Iress History Demographic | s Referrer Lab Reports | Notes Map    | Audit Person History  |    |  |  |  |
|---|---------------------------|------------------------|--------------|-----------------------|----|--|--|--|
| Patient                                   |                           |                        |              |                       |    |  |  |  |
| Previous Case Notes (Ascending):          |                           |                        |              |                       |    |  |  |  |
|   |                           |                        |              |                       |    |  |  |  |
|   |                           |                        |              |                       |    |  |  |  |
|   |                           |                        |              |                       |    |  |  |  |
|   |                           | This                   | containe Des | the Contificate data  |    |  |  |  |
|   |                           | 111IS                  | Contains Dec | ath Certificate data. |    |  |  |  |
| Case Documents                            |                           |                        |              | an Certificate data.  |    |  |  |  |
| Case Documents                            | Namo                      | Doscrinti              |              | an Certificate data.  |    |  |  |  |
|   | Namo                      |                        |              | View                  |    |  |  |  |
| Date                                      |                           | Doscrinti              |              |                       |    |  |  |  |
| Date<br>07/14/2022                        |                           | EDRS-Unmatched         |              |                       |    |  |  |  |
| Date<br>07/14/2022<br>Case Detail History | EDRS                      | EDRS-Unmatched         | on           |                       | te |  |  |  |

|  |                               | Click here to go |                     |
|--|-------------------------------|------------------|---------------------|
| ECR Viewer - Google Chrome Click here to see                     |                               | back to MDSS     | - 🗆 ×               |
| mdss.state.mi.us/mdss/CaseEditNonserin.ndo<br>additional Patient |                               |                  | @                   |
| Details  |                               |                  |                     |
| Death Case Notice  |                               | Back to MDSS     | Download XML        |
| Patient Date of Birth  | Sex M Date of Death           | Facility         | Residence           |
| Patient Details  |                               |                  |                     |
| Travel Information   | Death Record Information      | 1                | Table of Contents 🔳 |
| V Provider Details   | Next Of Kin Information       |                  | Collapse/Expand all |
| Diagnosis Code   |                               |                  | C Show all          |
| 🗈 Diagnosis Code   |                               |                  | Restore Layout      |
|  | These folders can be expanded |                  |                     |
|  | individually or all at once.  |                  |                     |
|  |                               |                  |                     |
|  |                               |                  |                     |



Are the death certificates attached to the case even if their death is not related to a reportable condition? No, copies of the death certificates are only sent for those deaths that have ICD-10 codes associated with reportable conditions. But MDSS is sent death status and date of death information about all persons in the MDSS.

What diseases will EDRS update? All reportable disease conditions.

If a Michigan resident died in another state, will we receive death data via EDRS? Perhaps. MDSS only has a connection to Michigan's EDRS system. If a person dies in another state and Michigan's EDRS logs the data, it would be sent from Michigan's EDRS to MDSS.

What if the person died from non-communicable disease reasons, will their case be updated to Died? The person-level variables (i.e. Patient Status, Date of Death) will be updated but the questions that pertain to whether or not the person died as a result of the reportable disease (e.g. Case Disposition) will not.

How long after a death certificate is filed will it appear in MDSS? According to MDHHS Vital Records, most death certificates are coded in two weeks, but they may take longer. The Event Date in the pending work queue will indicate the Date of Death listed, so please use that date to compare to other cases that may already exist during deduplication.

How are ICD-10 codes assigned to death certificates? After a death certificate is filed, mortality medical coders from the State Vital Records and the National Center for Health Statistics translate the written causes of death into <u>standardized mortality ICD-10 codes</u>. For our surveillance, EDRS then scans death certificates for ICD-10 mortality codes associated with reportable communicable disease conditions.