



## 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.

#### Example EDRS data in Dedup Queue

Pending Work Queue Help

Search By: First Name  Last Name  Primary Jurisdiction

Conditions:  Type:

Added By:

Filter Clear

Displaying results 11-20 of 770 found  
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Date Added	Condition	Type	Event Date	Current Owner	Jurisdiction	Added By	
07/14/2022	Novel Coronavirus COVID-19	EDRS PATIENT DEDUP - LAB EDRSApplication	03/05/2022		Macomb County	EDRS USER	Resolve
07/14/2022	Novel Coronavirus COVID-19	EDRS PATIENT DEDUP - LAB EDRSApplication	02/24/2022		Oakland County	EDRS USER	Resolve

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”.

eCR Information			
Date Received	Assigned Condition	Event Date	
07/14/2022	Novel Coronavirus COVID-19	02/12/2022	

  

Patient Information				
ID	First Name	Last Name	Sex	Date of Birth

  

Existing Investigations						
Case Status	Investigation Status	Disease	Referral Date	Investigator	Jurisdiction	
Confirmed	Superseded	Hepatitis B, Chronic	01/12/2015		Oakland County	Matches Existing
Confirmed	Superseded	Hepatitis B, Chronic	08/11/2015		Oakland County	Matches Existing
Not a Case	Canceled	Hepatitis B, Chronic	11/09/2015		Oakland County	Matches Existing
Not a Case	Completed	Novel Coronavirus COVID-19	07/30/2020		Oakland County	Matches Existing
Confirmed	Completed - Follow Up	Novel Coronavirus COVID-19	11/17/2021		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.

The screenshot shows the MDSS interface with the 'Notes' tab selected. Under the 'Case Documents' section, there is a table with the following data:

Date	Name	Description	
07/14/2022	EDRS	EDRS-Unmatched	View

A red arrow points to the 'View' button with the text "This contains Death Certificate data."

The screenshot shows the ECR Viewer window with the following details:

- Death Case Notice**
- Patient:** [Redacted]
- Date of Birth:** [Redacted]
- Sex:** M
- Date of Death:** [Redacted]
- Facility:** [Redacted]
- Residence:** [Redacted]
- Buttons:** Back to MDSS, Download XML
- Expandable Folders:** Patient Details, Travel Information, Provider Details, Diagnosis Code, Death Record Information, Next Of Kin Information
- Annotations:**
  - "Click here to see additional Patient Details" points to the Patient field.
  - "Click here to go back to MDSS" points to the Back to MDSS button.
  - "These folders can be expanded individually or all at once." points to the expandable folders.

**Death Case Notice** Back to MDSS Download XML

Patient [REDACTED] Date of Birth [REDACTED] Sex M Date of Death [REDACTED] Facility [REDACTED] Residence [REDACTED]

**Patient Details**

Decedent First Name	[REDACTED]	Decedent Last Name	[REDACTED]	Decedent Middle Name	[REDACTED]	Decedent Name Suffix	[REDACTED]
Decedent Fname Med Facility	[REDACTED]	Decedent Lname Med Facility	[REDACTED]	Decedent Suffix Med Facility	[REDACTED]	Decedent Race	[REDACTED]
Gender	[REDACTED]	Age Units	[REDACTED]	Age Number	[REDACTED]	Date of Birth	[REDACTED]
Curr Residence Apt Number	[REDACTED]	Curr Residence Street Number	[REDACTED]	Curr Residence Street Name	[REDACTED]	Curr Residence City Name	[REDACTED]
Curr Residence County Name	[REDACTED]	Curr Residence State	[REDACTED]	Curr Residence Country	[REDACTED]	Curr Residence Post Direction	[REDACTED]
Curr Residence Pre Direction	[REDACTED]	Curr Residence Street Type	[REDACTED]	Curr Residence Zip5	[REDACTED]	Curr Residence Zip4	[REDACTED]
Decedent Occupation	[REDACTED]	Kind Of Business Industry	[REDACTED]	Pregnancy status codes	[REDACTED]	Bridgedrace	[REDACTED]
Alias First Name	[REDACTED]	Alias Middle Name	[REDACTED]	Alias Last Name	[REDACTED]	Alias Suffix	[REDACTED]
				Race	[REDACTED]	Code	[REDACTED]
						Hispanic Origin	N

**Travel Information** Death Record Information Table of Contents

**Provider Details** Next Of Kin Information Collapse/Expand all

**Diagnosis Code** Show all Restore Layout

Cause Of Death 1A	Cause Of Death 1B	Cause Of Death 1C	Cause Of Death 1D
Cardiac Arrhythmia	Hypoxia with Oxygen Dependence	Chronic Obstructive Pulmonary Disease	Tobacco Dependent Cigarette Smoker
<b>Code 800</b>	<b>Decedent Mname Med Facility</b>	<b>Other Conditions</b>	
J449		Congestive Heart Failure, Atrial Fibrillation, Hypertension, Recent Covid 19	
<b>Entity Axis Code1</b>	<b>Entity Axis Code2</b>	<b>Entity Axis Code3</b>	<b>Entity Axis Code4</b>
J449	F172	I10	I48
<b>Entity Axis Code5</b>	<b>Entity Axis Code6</b>	<b>Entity Axis Code7</b>	<b>Entity Axis Code8</b>
T500	R000	I1071	

Expand the "Diagnosis Code" section to see the cause of death and associated codes

**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 [standardized mortality ICD-10 codes](#). For our surveillance, EDRS then scans death certificates for ICD-10 mortality codes associated with reportable communicable disease conditions.