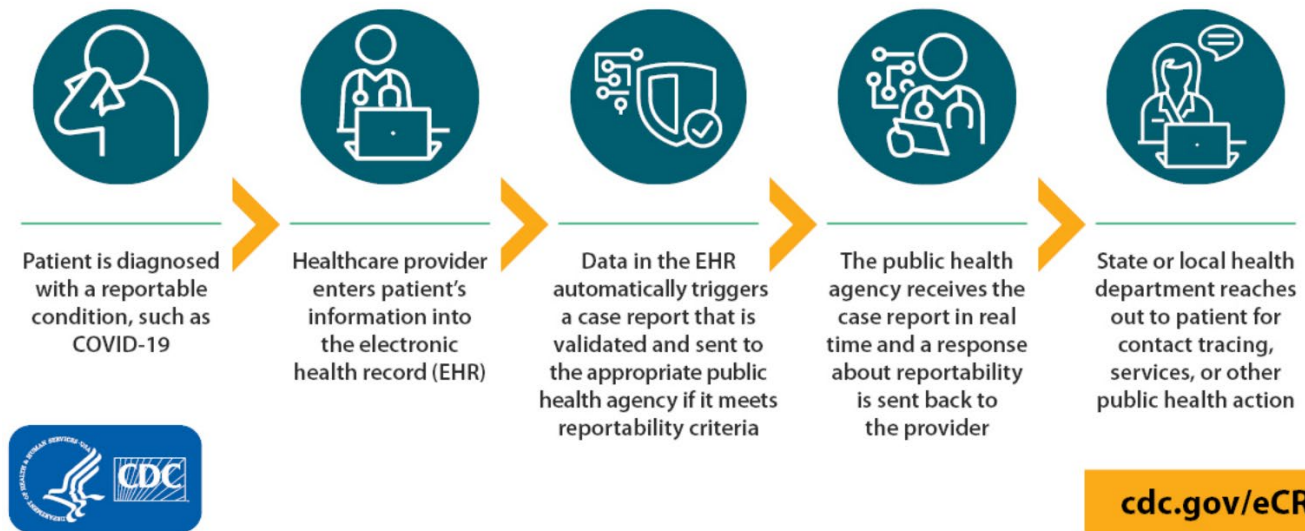


## Electronic Case Reporting (eCR) into MDSS

Electronic case reporting (eCR) is the automated, real-time exchange of case report information between electronic health records (EHR) within healthcare facilities and the Michigan Disease Surveillance System (MDSS). It is similar to electronic lab reporting although eCRs are richer messages that contain additional clinical data. For more information about eCR, visit [www.cdc.gov/ecr](http://www.cdc.gov/ecr).



## HOW DOES ELECTRONIC CASE REPORTING (eCR) WORK?



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### What types of data are in eCR?

eCRs include a lot of the same identifying information and demographic information that an electronic lab report (ELR) would include. The big difference is that since the eCR is sent from an EHR and not from a laboratory system, it doesn't require the presence of a lab result to send. Lab results are likely to be included with it as they are often a requirement to be considered reportable, but not always. eCR may also include treatment information, immunization information, lab history, notes, diagnoses, symptoms, reason for visit, social history or onset information that would be found in an EHR and not in a lab system.

### Is every healthcare facility sending eCR?

Not yet. As this is a new type of data feed, we are starting with a smaller subset of hospitals initially, and only sending COVID-19 data. We expect that most providers will look to expand the list of conditions that they're sending as soon as they're able to and we're able to confirm that we can process them correctly. Though any healthcare provider that is using an EHR that is capable of sending eCR data could onboard, we will only be actively recruiting hospital systems at first. Some of these systems do include their providers during this onboarding, but determination of that varies from health system to health system.

### What happens when eCRs enter MDSS?

Incoming eCRs are processed just like ELRs. MDSS will search to see if the patient matches existing persons and cases within the system. If not, a new case will be created based on the disease reported in the eCR. If there are potential matches, the eCR will be sent to the dedup (Pending Work Queue) for a user to resolve. When an

eCR creates a case or is merged into an existing case, the demographic and condition information is added to the case and the remainder of the eCR data is attached to the case in the Notes tab to be viewed.

### How do I dedup eCRs in MDSS?

eCRs in the dedup queue (Pending Work Queue) will have eCR written in the “Type” field (e.g. eCR Patient Dedup) and may have “ECR USER” in the “Added By” field. As time goes on, the “Added by” information will become more specific to the sender. Event date is the date of the healthcare visit that triggered the eCR. If there are multiple visits corresponding to the reportable disease, each visit will generate its own eCR. Multiple updates on a single visit may trigger more than one eCR for that visit and we are taking steps to help limit the amount of duplication that would be produced by that.

If the person already has a case that corresponds to the reportable disease in the eCR, the eCR should be merged with their existing case according to the condition-specific [dedup guidance](#). If they do not have a case that corresponds to the reportable disease in the eCR, a new case should be created. New cases created by eCRs will default to the case status “Unknown”, except for COVID-19 which will default to “Suspect.”

### Example eCRs in Dedup Queue

Displaying results **2691-2696** of **2696** found  
[\[< First\]](#) [\[<< Prev\]](#) [251](#) [252](#) [253](#) [254](#) [255](#) [256](#) [257](#) [258](#) [259](#) [260](#) [261](#) [262](#) [263](#) [264](#) [265](#) [266](#) [267](#) [268](#) [269](#) **270** [\[Last >\]](#)

Date Added	Condition	Type	Event Date	Current Owner	Jurisdiction	Added By	
08/25/2022	Novel Coronavirus COVID-19	eCR PATIENT DEDUP - LAB ECRFACILITY	08/12/2022		Washtenaw County	ECR USER	<a href="#">Resolve</a>
08/25/2022	Novel Coronavirus COVID-19	eCR PATIENT DEDUP - LAB ECRFACILITY	08/12/2022		Washtenaw County	ECR USER	<a href="#">Resolve</a>
08/25/2022	Novel Coronavirus COVID-19	eCR PATIENT DEDUP - LAB BELLIN HEALTH	08/12/2022		Delta-Menominee	BELLIN HEALTH ECR	<a href="#">Resolve</a>
09/01/2022	Novel Coronavirus COVID-19	eCR PATIENT DEDUP - LAB ECRFACILITY	07/29/2022		Wayne County	ECR USER	<a href="#">Resolve</a>
09/01/2022	Novel Coronavirus COVID-19	eCR CREATE INVESTIGATION - LAB BELLIN HEALTH	05/06/2022		Delta-Menominee	BELLIN HEALTH ECR	<a href="#">Resolve</a>
09/01/2022	Novel Coronavirus COVID-19	eCR CREATE INVESTIGATION - LAB ECRFACILITY	08/01/2022		Oakland County	ECR USER	<a href="#">Resolve</a>

Event Date is the Date of Healthcare Visit

### How do I view the eCR?

The eCR is attached to the case under the Notes tab. The file is named “ECRID.” When you click View, a pop-up window titled ECR Viewer will appear that contains the data.

## Example of Attached eCR in Notes Tab

The screenshot shows a software interface with several tabs: Case Reporting, Address History, Demographics, Referrer, Lab Reports, Notes, Map, Audit, and Person History. The 'Notes' tab is active. At the top, it says 'Patient [redacted] Locked by [redacted]'. Below this is a 'New Note' section with a text input field and 'Save Note' and 'Help' buttons. Underneath is a 'Previous Case Notes (Ascending):' section with a large empty text area. The 'Case Documents' section is highlighted with a red box and contains a table with columns for Date, Name, Description, and a View button. Below the table is a 'Case Detail History' section with columns for Version, Add Date, Last Set as Active Version, Condition, and User Name, along with 'Cancel' and 'Help' buttons.

Date	Name	Description	
09/12/2022	ECRID	ECR	View

## Example of eCR Viewer Page in MDSS

The screenshot shows a web browser window titled 'ECR Viewer - Google Chrome' with the URL 'mdss-test.state.mi.us/mdss/CaseEditNotesAction.do'. The page is titled 'Initial Public Health Case Report' and has 'Back to MDSS' and 'Download XML' buttons. Patient details are shown: Patient [redacted], Date of Birth [redacted], Sex ♀ Female, Encounter Date September 11, 2022, 08:45:00, EST, and Facility [redacted]. A 'Patient Details' tab is active. Below this is a grid of sections: Encounter, Problem Section, Medications Administered, Reason for Visit, Plan of Treatment, Results Section, Social History, History of Present Illness, and Immunizations. On the right side, there is a 'Table of Contents' menu with options: Collapse/Expand all, Show all, and Restore Layout.

### Will data from the eCR automatically transfer into the MDSS Case Report Form?

No. Because of the way deduplication is currently handled, transferring information into the Case Report Forms is difficult. This is expected to be changed in future releases.