DIBBs eCR Viewer

User Guide

Release 6.0.16.2-GA

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Prepared by: U.S. Centers for Disease Control and Prevention

Version History

Version	Author	Reviewed By	Revision Date	Revision Notes
1.0	Emma Stephenson	Matt Goldberg, Mary Yeh	10/29/2024	Draft document created in support of 6.0.16.2 beta release
2.0	Emma Stephenson	Rebecca Fisher, Angela Dunn	11/14/2024	Revisions to support the 6.0.16.2 GA release
3.0	Emma Stephenson	Michael Wodajo	12/3/2024	Final revision for 6.0.16.2 GA release

Table of Contents

1 Overview

This guide walks you through the eCR Viewer's nine features so you can successfully navigate the interface to find the information you need.

2 eCR Viewer Features

2.1 eCR Summary

The eCR Summary displays key information in a summary at the top of the eCR document. It's divided into three categories: Patient Summary, Encounter Summary, and Condition Summary.

Each category contains the following information to help you understand the eCR document at a glance:

Patient Summary

- Patient Name
- DOB
- Sex
- Patient Address
- Patient Contact

Encounter Summary

- Encounter Date/Time
- Encounter Type
- Encounter Diagnosis
- Encounter Reason
- Facility Name
- Facility Contact

Condition Summary

- Reportable Condition
- RCKMS Rule Summary
- Clinical Sections Relevant to Reportable Condition*
- Lab Results Relevant to Reportable Condition*

* To determine which sections of the eCR document are relevant to each reportable condition, we use the codes published by CSTE for eRSD. We aim to make the Condition Summary as accurate as possible so that it saves you time in finding data within an eCR. However, in some cases, the Condition Summary may display more or less information than what's relevant to the reportable condition.

When there's more than one Reportable Condition associated with an individual eCR, the Condition Summary section will display how many conditions were found in the eCR and will let you see the relevant condition information for each Reportable Condition:

When the eCR Viewer is accessed through NBS, and NBS is able to pass along a Condition Code (e.g., COVID-19), the corresponding Reportable Condition section within the Condition Summary will be expanded by default.

COVID specified:

Otherwise, if NBS isn't able to pass along a Condition Code, the first condition in the list of Reportable Conditions will be expanded by default.

No condition specified:

Condition Summary 3 CONDITIONS FOUND

Viral hepatitis type C (disorder) —

RCKMS Rule Summary Detection of Hepatitis C virus antibody in a clinical specimen by any method

Clinical Sections Relevant to Reportable Condition
No matching clinical data found in this eCR

Lab Results Relevant to Reportable Condition

Hepatitis C IgG w/Rfx PCR ABNORMAL +

Disease caused by severe acute respiratory syndrome coronavirus 2 (disorder) +

Plague (disorder) +

2.2   Consistent Organization

We've grouped the full eCR document into five main sections:

- **Patient Info**
- **Encounter Info**
- **Clinical Info**
- **Lab Info**
- **eCR Metadata**

No matter who sent the eCR, every eCR you view in the eCR Viewer will look the same. The ordering of the five main sections, as well as the fields within those sections, is always the same, so you can quickly scroll through the eCR to find the information you're looking for.

2.2.1   Patient Info

This section includes all information about the patient, split into two categories: Demographics and Social History.

Fields currently available include:

Demographics

- Patient Name
- DOB
- Current Age
- Vital Status
- Date of Death
- Sex
- Race
- Ethnicity
- Tribal Affiliation
- Preferred Language
- Patient Address
- County

- Country
- Contact
- Emergency Contact
- Patient IDs

Social History

- Pregnancy Status
- Tobacco Use
- Smoking Status
- Alcohol Use
- Travel History
- Occupation
- Disability Status
- Homeless Status
- Sexual Orientation
- Gender Identity
- Marital Status
- Religious Affiliation

2.2.2   Encounter Info

This section includes all information relevant to where the patient was seen for the medical encounter, split into three categories: Encounter Details, Facility Details, and Provider Details.

Fields currently available include:

Encounter Details

- Encounter Date/Time
- Encounter Type
- Encounter ID
- Encounter Diagnosis
- Encounter Reason
- Encounter Care Team
  - Member
  - Role
  - Status
  - Dates

Facility Details

- Facility Name
- Facility Address
- Facility Contact
- Facility Contact Address
- Facility Type
- Facility ID

Provider Details

- Provider Name
- Provider Address
- Provider Contact
- Provider Facility Name
- Provider Facility Address
- Provider ID

2.2.3 Clinical Info

This section includes all medical information about the patient other than lab results. It's split into five categories: Clinical Notes, Symptoms and Problems, Treatment Details, Immunizations, and Diagnostics and Vital Signs.

Fields currently available include:

Clinical Notes

- Miscellaneous Notes

Symptoms and Problems

- Reason for Visit
- Problems List
  - o Active Problem
  - o Onset Date
  - o Onset Age
- History of Present Illness

Treatment Details

- Plan of Treatment
  - o Name
  - o Type
  - o Priority
  - o Associated Diagnoses
  - o Date/Time
- Care Team
  - o Member
  - o Role
  - o Status
  - o Dates
- Administered Medications
  - o Medication Name
  - o Start Date
- Procedures
  - o Name
  - o Date Performed

- Reason

Immunizations

- Immunization History

  - Name
  - Administration Dates
  - Dose Number
  - Manufacturer
  - Lot Number

Diagnostics and Vital Signs:

- Diagnostic Imaging
- Vital Signs
  - Vital Reading
  - Result
  - Date/Time
- Clinical Tests

2.2.4 Lab Info

This section includes all lab results included in the eCR, organized by where the labs were performed (i.e. all labs that happened at the same facility are grouped together).

Fields available for each Lab Organization include:

- Performing Lab Name
- Lab Address
- Lab Contact
- Number of Results

Fields available for each Lab Result include:

- Result Name
  - Component
  - Value
  - Ref Range
  - Test Method
  - Lab Comment
- Analysis Time
- Collection Time
- Received Time
- Specimen Source
- Anatomical Location/Laterality
- Narrative
- Resulting Agency Comment

- Authorizing Provider
- Result Type

2.2.5 eCR Metadata

This section includes all of the information about the eCR document itself and who sent it, split into four categories: RR Details, eICR Details, and eICR Author Details, and eICR Custodian Details.

Fields currently available include:

RR Details:

- Reportability Summary
    - o Reportable Condition
    - o RCKMS Rule Summary
    - o Jurisdiction Sent eCR
- eRSD Warnings
    - o Warning
    - o Version in Use
    - o Expected Version
    - o Suggested Solution

eICR Details:

- eICR ID
- Date/Time eCR Created
- eICR Release Version
- EHR Manufacturer Model Name
- EHR Software Name

eICR Author Details:

- Author Name
- Author Address
- Author Contact
- Author Facility Name
- Author Facility Address
- Author Facility Contact

eICR Custodian Details:

- Custodian ID
- Custodian Name
- Custodian Address
- Custodian Contact

2.3 Easy Navigation

You can use the side navigation to skip to any section within the eCR. It's always visible as you scroll so you can see where you are within the document and quickly move to different sections.

2.4 Simplified Visual Design

The eCR Viewer uses [USWDS](#) (U.S. Web Design System) components and styling to create a simple and easy to understand look and feel. Data is standardized in repeated formats (i.e. tables, lists, notes) so you can expect formatting for data fields to look the same across different providers and conditions.

2.5   Collapsible Sections

The main sections in the eCR Viewer are collapsible so you can hide sections you don't need to see:

All lab results are also collapsed by default so you can see them all at a glance and click into the labs that you're interested in to see the full details:

PETER PAN EPICTEST 02/17/1986

eCR Summary

eCR Document

Patient Info

Demographics

Encounter Info

Encounter Details

Clinical Info

Symptoms and Problems

Treatment Details

Lab Info

Lab Results from HOAG MEMORIAL HOSPITAL

eCR Metadata

RR Details

eICR Details

eCR Sender Details

Unavailable Info

Lab Info   —

Lab Results from HOAG MEMORIAL HOSPITAL

Lab Performing Name	HOAG MEMORIAL HOSPITAL NEWPORT BEACH LABORATORY (CLIA 05D0578635)
Lab Address	One Hoag Drive Newport Beach, CA 92663, USA
Lab Contact	949-764-5600
Number of Results	10

Expand all labs | Collapse all labs

Drugs Of Abuse Comprehensive Screen, Ur ABNORMAL	+

Drugs Of Abuse Comprehensive Screen, Ur	+

Drugs Of Abuse Comprehensive Screen, Ur ABNORMAL	+

CA 19-9, Quant	+

CA 125, Quant ABNORMAL	+

CEA ABNORMAL	+

PSA, Diagnostic ABNORMAL	+

2.6 More Data Available

The eCR Viewer allows you to see more data than what's currently available by default in the HTML or surveillance system views by incorporating information from both the eICR and RR documents into a single view. We also extract more data from the eICR XML than is shown in the default HTML view.

For example, with the eCR Viewer, you can see all of the reportable conditions for the eCR, why the eCR was triggered, and which jurisdictions the eCR was sent to, all of which come from the RR data.

ADAM TEST 01/01/1970	
eCR Summary	

eCR Metadata —

RR Details

Reportibility Summary

Reportable Condition	RCKMS Rule Summary	Jurisdiction Sent eCR
Salmonella infection (disorder)	Detection of Salmonella species and serovars nucleic acid (except S. typhi and S. paratyphi nucleic acid) in a clinical specimen by any method	California Department of Public Health
		Los Angeles County Department of Public Health
Shigellosis (disorder)	Detection of Enteroinvasive E coli (EIEC) nucleic acid in a clinical specimen by any method	California Department of Public Health
		Los Angeles County Department of Public Health
	Detection of Shigella species nucleic acid in a clinical specimen by any method	California Department of Public Health
		Los Angeles County Department of Public Health

Navigation sidebar items:
- eCR Summary
- eCR Document
- Patient Info
  - Demographics
  - Social History
- Encounter Info
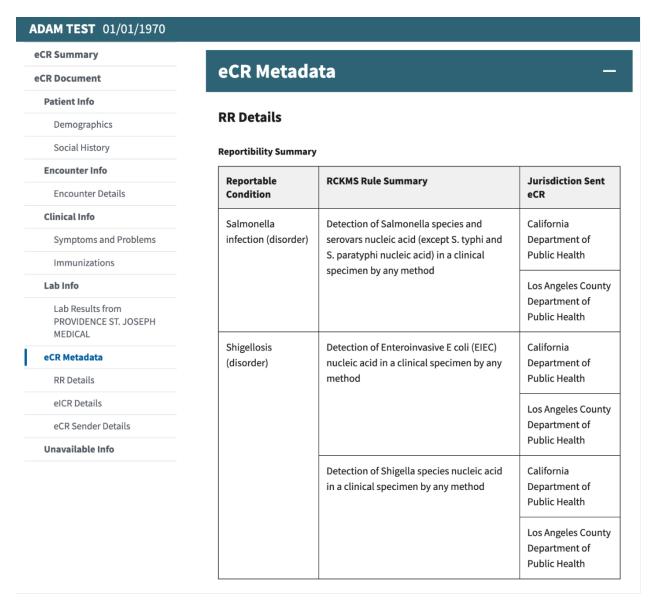 - Encounter Details
- Clinical Info
  - Symptoms and Problems
  - Immunizations
- Lab Info
  - Lab Results from PROVIDENCE ST. JOSEPH MEDICAL
- eCR Metadata
  - RR Details
  - eICR Details
  - eCR Sender Details
- Unavailable Info

2.7 Unavailable Data

With the eCR Viewer, you can quickly see what data is missing in an eCR so you don't have to wonder whether you can't find the data or if it's just not there. All of the unavailable fields are consolidated at the bottom of the eCR for quick scanning.

ADAM TEST 01/01/1970

eCR Summary

eCR Document

  Patient Info

    Demographics

    Social History

  Encounter Info

    Encounter Details

  Clinical Info

    Symptoms and Problems

    Immunizations

  Lab Info

    Lab Results from PROVIDENCE ST. JOSEPH MEDICAL

  eCR Metadata

    RR Details

    eICR Details

    eCR Sender Details

  Unavailable Info

Unavailable Info —

Demographics

Tribal Affiliation	*No data*
Preferred Language	*No data*
County	*No data*

Social History

Occupation	*No data*
Travel History	*No data*
Homeless Status	*No data*
Pregnancy Status	*No data*
Alcohol Use	*No data*
Sexual Orientation	*No data*
Gender Identity	*No data*
Occupation	*No data*

Encounter Details

Facility Contact	*No data*

Clinical Notes

Miscellaneous Notes	*No data*

2.8 Search Within an eCR

The DIBBs eCR Viewer includes a search bar at the top so you can search for what you're looking for within an eCR.

2.9 Fixed Patient Banner

The eCR Viewer includes a Patient Banner which remains at the top of the browser window so you can always see the Patient Name and DOB for the eCR you're looking at:

PETER PAN EPICTEST 02/17/1986

eCR Summary

eCR Document

Patient Info

    Demographics

Encounter Info

    Encounter Details

Clinical Info

    Symptoms and Problems

    Treatment Details

Lab Info

    Lab Results from HOAG MEMORIAL HOSPITAL

eCR Metadata

    RR Details

    eICR Details

    eCR Sender Details

Unavailable Info

Drugs of Abuse, Screen, Urine   ABNORMAL   +

Drugs of Abuse, Screen, Urine   ABNORMAL   +

eCR Metadata   —

RR Details

Reportibility Summary

Reportable Condition	RCKMS Rule Summary	Jurisdiction Sent eCR
Overdose of opiate (disorder)	Detection of opioid substance or metabolite in a clinical specimen by any method	Los Angeles County Department of Public Health
	Vital status at end of encounter is alive or unknown	Los Angeles County Department of Public Health

eICR Details

eICR Identifier	1.2.840.114350.1.13.297.3.7.8.688883.567479
Document Author	Hoag Memorial Hospital
Author Address	1 HOAG DR NEWPORT BEACH, CA 92663-4162, USA
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