Purpose: This monthly bulletin will inform stakeholders about Electronic Case Reporting (eCR) with the goal of promoting discussion among clinical care and public health communities on this advancement in public health case reporting. Electronic Case Reporting (eCR) will automate public health case reporting for providers by automatically generating and transmitting case reports directly from the provider’s Electronic Health Record (EHR) system to local and state public health authorities. eCR will fulfill the physician communicable disease reporting requirements under state law.

Electronic Case Reporting (eCR)

Electronic Case Reporting (eCR) is the automatic generation and transmission of reports of potential reportable cases from Electronic Health Record (EHR) systems to relevant state and local public health authorities for review and action.

**eCR Components**

- **Electronic Health Record (EHR) System**
- **Validation Tool**
- **California Reportable Disease Information Exchange (CalREDIE)**

Several EHR vendors are developing the infrastructure to generate an electronic initial case report (eICR).

Incoming eICRs are processed and validated to determine reportability and if reportable, will be transferred to the public health agency.

CalREDIE receives the eICR and creates a disease incident report for the Local Health Department (LHD) to review.

**eCR Data Flow from EHR to Public Health**

The eICR is generated from a provider’s EHR system based on trigger code criteria embedded within the EHR system. The eICR message is sent to the Decision Support Service (DSS) for validation. If the DSS validates the case as reportable or possibly reportable, it will route the message to the CalREDIE surveillance system.

Healthcare Providers

- Patient visit information is documented into the EHR as part of the normal workflow.

EHR Technology

- EHR compares the information to a set of trigger codes to generate an eICR.

Decision Support Service (DSS)

- eICR is validated and routed to the appropriate public health agency if determined to be reportable. Health care provider is notified if disease case is submitted.

Public Health Agency

- Disease case is received for evaluation and public health action.

**CalREDIE eCR replaces traditional paper-based methods of case reporting for many reportable conditions in jurisdictions using CalREDIE. Timely reporting via phone call is still required for conditions marked as "immediately" reportable in Title 17, Section 2500 of the California Code of Regulations (CCR).**

Check out the eCR infographics on the CalREDIE eCR Page!

Quick Links:
- CalREDIE Home Page
- CalREDIE eCR

TUNE IN next month for our feature story: The Digital Bridge

For inquiries, contact the CalREDIE Electronic Case Reporting (eCR) Team at 1-866-866-1428 or CalREDIE.eCR@cdph.ca.gov