

eCR Now

HL7 Connectathon Report-Out
Public Health Work Group



Electronic case reporting (eCR)

The automated identification of reportable health events in electronic health records and their transmission to state and local public health authorities for review and action.

ecr-info@aimsplatform.org

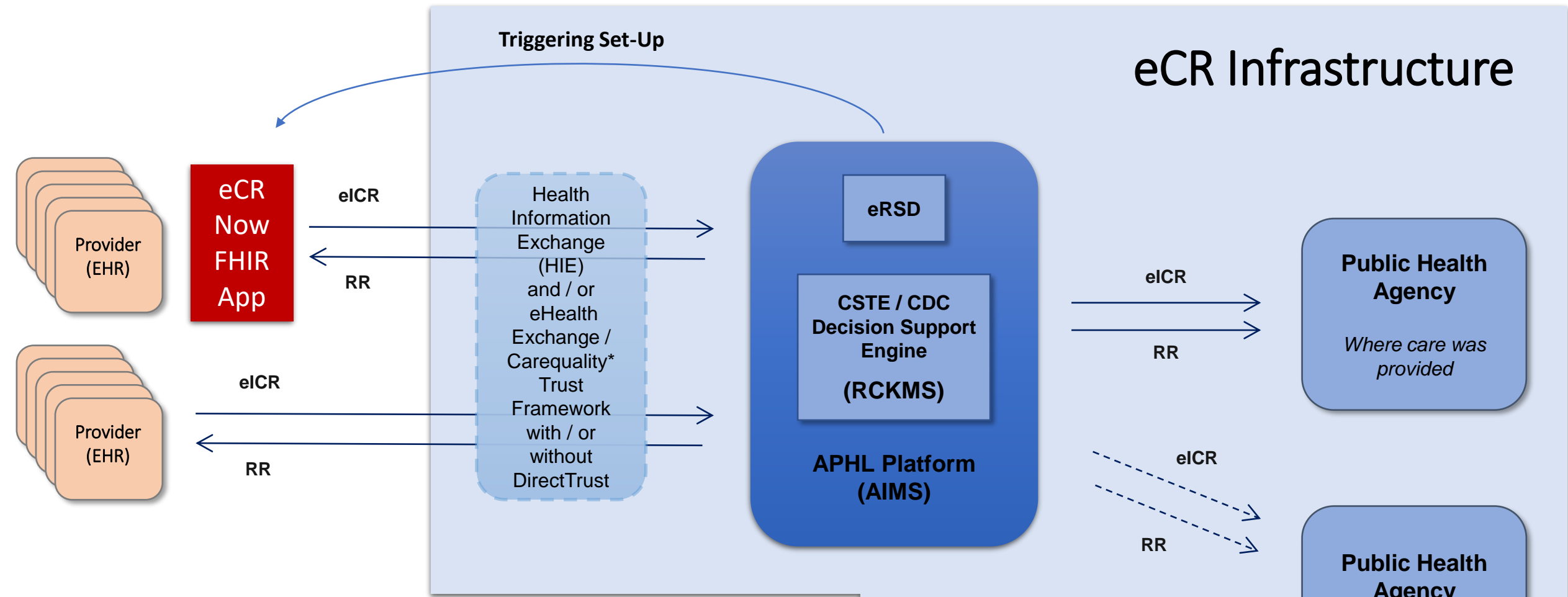
ecr.aimsplatform.org

May 28, 2020

eCR Now FHIR App - Strategy #2

- In general we are finding that providers of care want to do COVID-19 eCR and public health agencies (with a small number of exceptions) are connected to receive
- We developed the “eCR Now FHIR App” so previously non-eCR enabled EHRs can implement now to do automated COVID-19 electronic case reporting
- HL7 press release re eCR Now FHIR App in lead up to Connectathon
- Striving to implement in as many EHRs as possible based on FHIR API that is “in the wild” without waiting for new EHR software releases
- App connects COVID-19 eCR to existing eCR infrastructure to confirm case reports and route to appropriate public health jurisdictions / surveillance systems

eCR Infrastructure



Terms

- RCKMS - Reportable Conditon Knowledge Management System
- eRSD – Electronic Reporting and Surveillance Distribution System

Possible Policy Agreements

- eHealth Exchange, APHL participation agreement, and Carequality (*coming)

HL7 Standards

- eICR - Electronic Initial Case Report CDA v1.1
- RR - Reportability Response CDA v1.0

eCR Now FHIR App

General

- Does full eCR, but is configured for COVID-19 eCR
- Can be hosted centrally, based on EHR / health system preference
- Runs in background does not interrupt healthcare provider workflow

Standards

- SMART on FHIR App Launch and/or system accounts getting patient and encounter context.
- “EHR interface” - FHIR DSTU 2 or R4 trigger (now) and loading queries

Manages CDA EHR eCR “challenges”

- **“PH interface” – Outputs HL7 CDA eICR 1.1**
- **Ingests eRSD specification with trigger codes and reporting metadata**
- **Receives and sorts HL7 CDA Reportability Response 1.0**

eCR Now FHIR App at Connectathon

- Initial software releases on May 1st and 8th before the Connectathon
- Testing and error and defect logging
- Working sessions
 - Automated launch of background app with context
 - Trigger and loading FHIR queries
 - Hosting and deployment
- 5 successful App implementations
- Cerner presented their installation in a production ready EHR instance at the Connectathon report out (had possession of the App for roughly 3 days)

SMART, NANCY - 0000006930 Opened by Torres, Drew

Task Edit View Patient Chart Links Notifications Navigation Help

Home Cardiovascular Patient List Perioperative Tracking Provider Handoff Message Center Dynamic Worklist Referral Management MyExperience UpToDate DA2 Propo.: 0

Tear Off Suspend Charges Exit Calculator AdHoc Communicate Add Patient Pharmacy

SMART, NANCY x List Recent Name

SMART, NANCY DOB:8/11/1980 Age:39 years Sex:Female MRN:0000006930
Allergies: No Known Medication Allergies Dose Wt:<No Data Available> Advance Directive: Code Status:<No Data Available> Isolation:<No Data Available>
Care Team: Cerner Test, Physician - Hospitalist ... HealtheLife: No Clinical Trial:<No Data Available> Loc:MX Clinic 1 Outpatient FIN: 0000015958 [Reg Dt: 12/26/2019 10:31:51 AM CST] Visit...

Menu eCRNow SMART Full screen Print 0 minutes ago

- Provider View
- Results Review
- Orders + Add
- Documentation + Add
- Outside Records
- Allergies + Add
- Clinical Media + Add
- Diagnoses and Problems
- Form Browser
- Growth Chart
- Histories
- Interactive View and I&O
- MAR Summary
- Medication List + Add
- Patient Information
- Recommendations
- American Well on FHIR
- Aunt Bertha
- Carevive
- Caringly
- DoseMeRX
- Healthwise
- Meducation
- Parachute Health
- T-System
- Vincari
- WellSheet
- eCRNow SMART**

eCR Now Electronic Case Reporting(eCR)

Application has been authorized with EHR successfully.

This "splash screen" will only be present if the eCR Now App has not been automatically launched. It is preferable to launch the App with an automated process at the start of encounters that does not have this user interface, does not impact healthcare provider workflow, and insures consistent operation. Specific launch implementation will depend on the EHR. The launch API is detailed in the available implementation specifications.

In the circumstance that automated launching cannot be accomplished, this text can be replaced with an appropriate message.

Ok

C1941 AT026458 May 15, 2020 9:52 AM CDT

eCR Now FHIR App Next Steps

- Production release by this Sunday, May 31st
 - Includes FHIR DSTU 2 and R4 support
 - Includes Direct transport and XDR/other transport interface
 - Sorts returning RRs for patient chart / provider vs. EHR system admin
 - Manages trigger codes
- Have started to get EHR / health system commitments to implement
- Janet Hamilton, Executive Director of CSTE, and John Loonsk will be returning to EHRA next week to present on status and ask for implementations