

eCR Now: Accelerating Implementation for COVID-19

Laura A. Conn, MPH

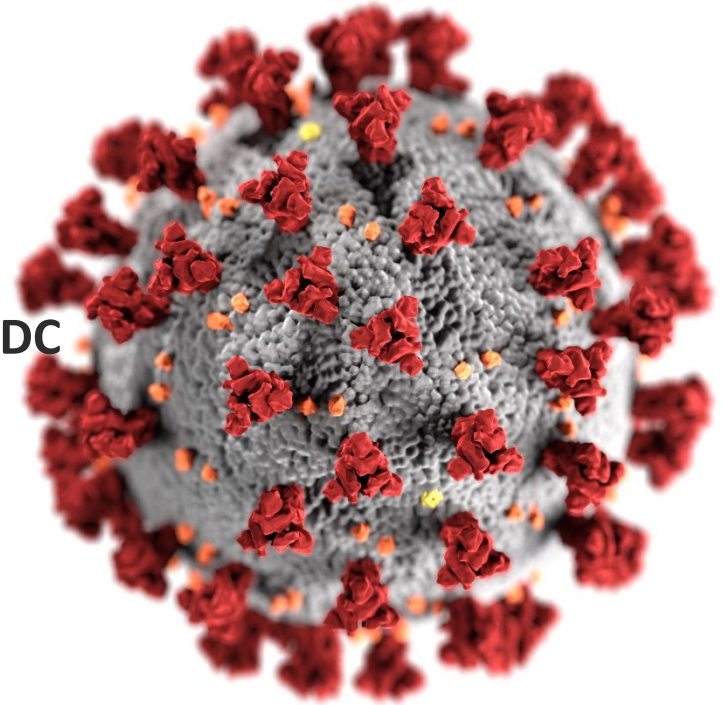
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Health Information Technology Advisory
Committee Meeting

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cdc.gov/coronavirus

What Is Electronic Case Reporting (eCR)?

The **automated generation** and transmission of case reports from the electronic health record (EHR) to public health agencies for review and action



eCR Now



eCR Now for COVID-19

- eCR is a critical tool for COVID-19 and other reporting needs to state and local public health agencies
- Critical clinical data for outbreak management includes:
 - Patient identity and contact information
 - Co-morbidities
 - Race and ethnicity
 - Occupation
 - Pregnancy status
 - Travel history
 - Other clinical data – medications, immunizations
- eCR provides clinical data on patients to state and local public health agencies they need for action

eCR Now Elements






- 1. Rapid cohort-based COVID-19 eCR implementation** for provider sites that have eCR enabled EHRs
- 2. eCR Now FHIR App** that other EHRs can use to do electronic case reporting
- 3. Nationwide eCR trust framework** for eHealth Exchange, Carequality, CommonWell members, and those who connect to them

eCR Now - Element 1

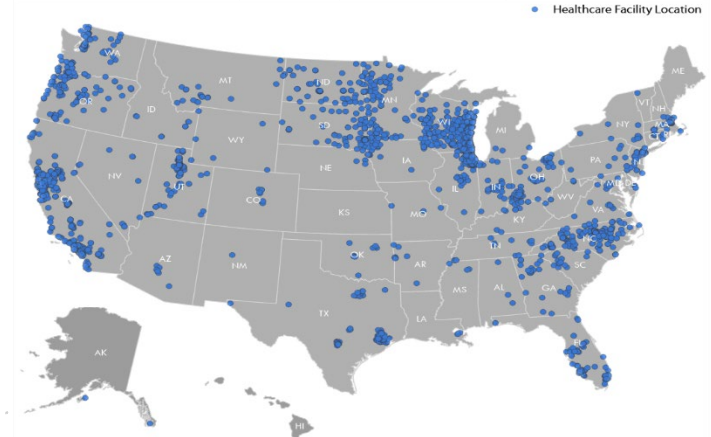
Rapid cohort-based COVID-19 eCR implementation for provider sites that have eCR enabled EHRs

- A standard ask for patient data from all jurisdictions implemented in as little as 3-5 days

Implementers – on April 15, 2020

Houston  Epic 	Utah   	NYC  Epic 	NY State 	California UCDAVIS Epic 
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Facilities Reporting – as of Sept 2, 2020



eCR by the Numbers*

59

All 50 states, DC and 8 large local jurisdictions have published a rule for COVID-19 and can receive electronic initial case reports from AIMS

57

Jurisdictions of 59 have received at least one COVID-19 report from eCR

4,800+

Facilities have implemented eCR for COVID-19

1.65M+

Reportable COVID-19 reports have been sent to 57 public health agencies

*as of September 4, 2020

eCR Now - Element 2

eCR Now FHIR App that other EHRs can use to do electronic case reporting

- For EHRs that do not otherwise have eCR capabilities
- Works with the FHIR DSTU2 or R4 APIs
- Being implemented now in major commercial EHRs
- Can be also implemented by health systems or third parties

eCR Now - Element 3

Nationwide eCR trust framework for eHealth Exchange, Carequality, CommonWell members, and those who connect to them

- No additional legal agreements needed
- An APHL participation agreement for those not connected to any network
- No additional costs for the use of the eCR shared services
- Have not seen COVID-19 charges from EHR vendors

eCR Now Call to Action - Implement eCR Now!

Healthcare organizations and providers

- Contact us for a kick-off call: ecr@cdc.gov
- Assemble your implementation team
- Begin implementation in a cohort
- Use the eCR Now FHIR app if your EHR does not have eCR capability
- Work with us and others to turn off manual reporting

EHR Vendors

- Accelerate eCR implementation for your clients
 - CDA approach
 - eCR Now FHIR app
- Support rapid rollout to your clients in partnership with eCR Team

Contact Information

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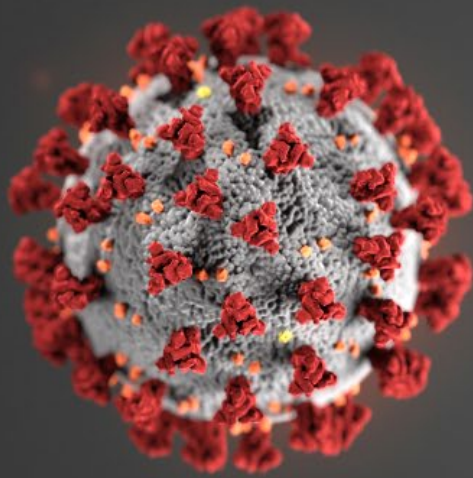
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A huge shout-out to the whole eCR Team – staff and contractors at:

- Association of Public Health Laboratories
- Centers for Disease Control and Prevention
- CDC Foundation
- Council of State and Territorial Epidemiologists
- State and local public health agencies
- eCR Champions
- ...and all the implementers.

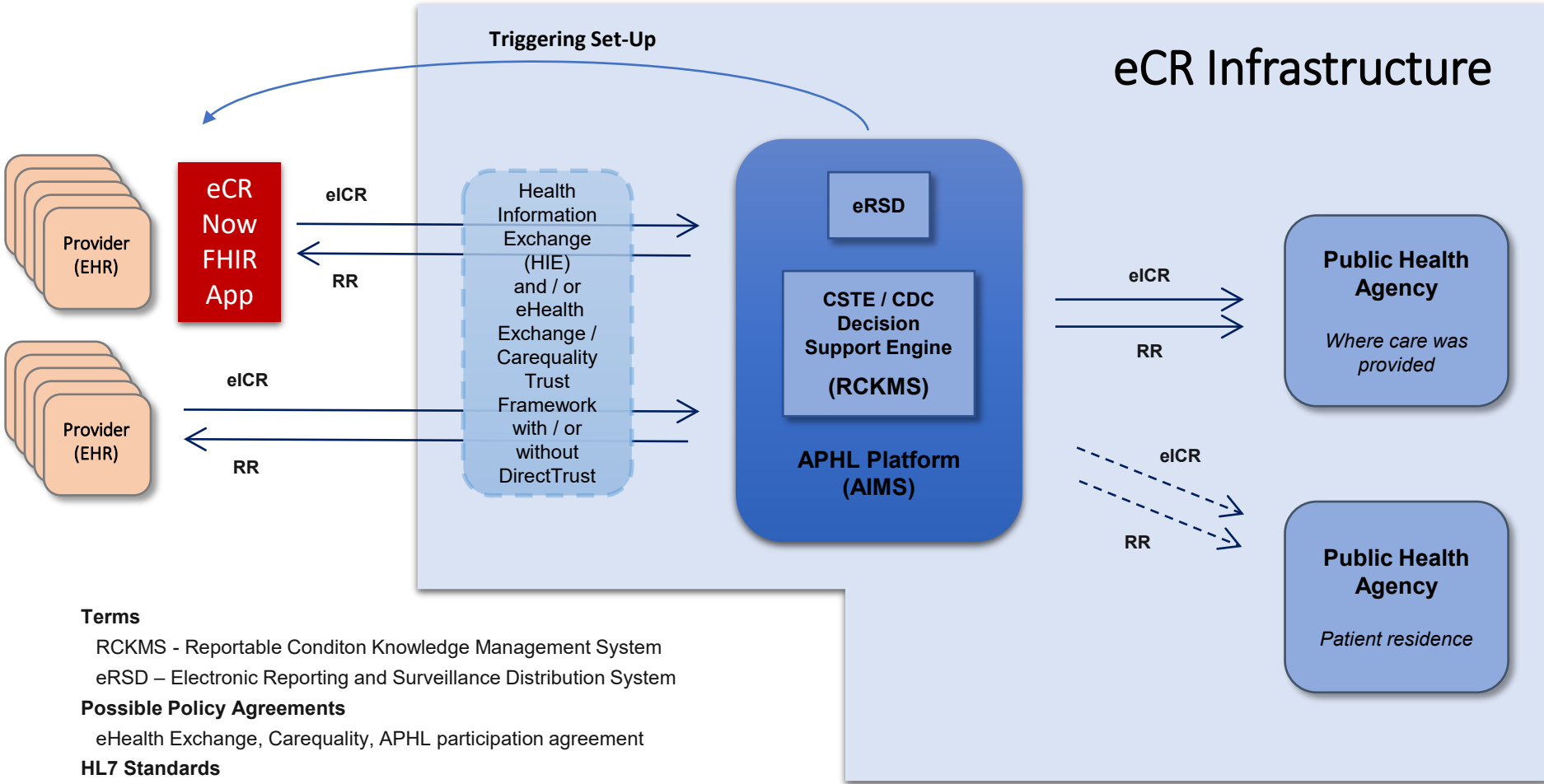


For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.



Reference Slide



Terms

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

Possible Policy Agreements

eHealth Exchange, Carequality, APHL participation agreement

HL7 Standards

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