

The Office of the National Coordinator for
Health Information Technology



Improving Clinical Care and Public Health with Electronic Case Reporting

Public Health – EHR Vendors Collaboration Initiative Webinar

January 17, 2017

Putting the **I** in Health **IT**
www.HealthIT.gov

<https://www.cdc.gov/ehrmeaningfuluse/public-health-ehr-vendors-collaboration-initiative.html>



Meaningful Use

Meaningful Use

Introduction

Calendar

Connect with Others

CDC Meaningful Use ListServ

Meaningful Use Community

Public Health – EHR Vendors Collaboration Initiative

Joint Public Health Forum & CDC Nationwide

Meaningful Use (MU) Public Health (PH) Reporting Requirements Task Force

Community of Practice (CoP)

ELR Task Force

Jurisdiction Meaningful Use Websites

S & I Framework

Reportable Conditions Knowledge Management System

External Links



[CDC](#) > [Meaningful Use](#) > [Connect with Others](#) > [Meaningful Use Community](#)

Public Health – EHR Vendors Collaboration Initiative



In Focus

Special Session # 7- Zika Virus Disease Update

Coming Up! Special Session # 7: Zika Virus Disease Update for Electronic Health Record (EHR) Vendors, Health Information Technology Developers, Public Health, and Clinical Healthcare Partners on Nov 2, 2016 1:00 PM- 2:00 PM EDT

Please pre-register for the webinar by clicking the link below:

<https://attendee.gotowebinar.com/register/3504905897385264131>

Abstract

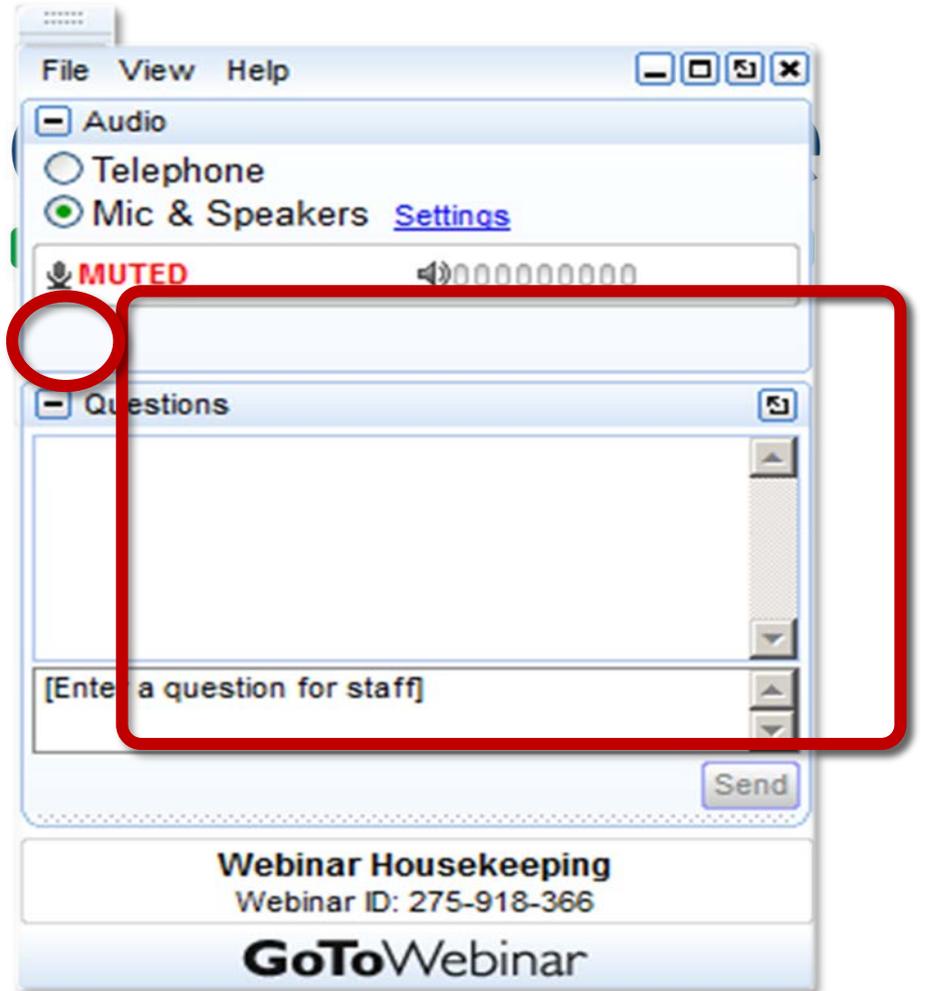
This webinar will be focused on the recommendations around Ask at Order Entry (AOE)* for pregnancy status in Zika virus (ZIKV) laboratory test orders with the possibility of a broader discussion on the capture of pregnancy status in electronic health records, per the clinical workflow and an update on the algorithm for ZIKV risk assessment in pregnant women, based on the latest Centers for Disease Control and Prevention (CDC) guidelines.

Terms explained-

* Ask at Order Entry (AOE)-Some tests, such as microbiology cultures and those that determine heavy metal ion concentration, require additional

Question and Answer Session

How to submit or ask questions for the panel members?



Submit or Ask Questions

- Submit your text question and comments using the Question Panel
- Please raise your hand to be unmuted for verbal questions.



Improving Clinical Care and Public Health with Electronic Case Reporting

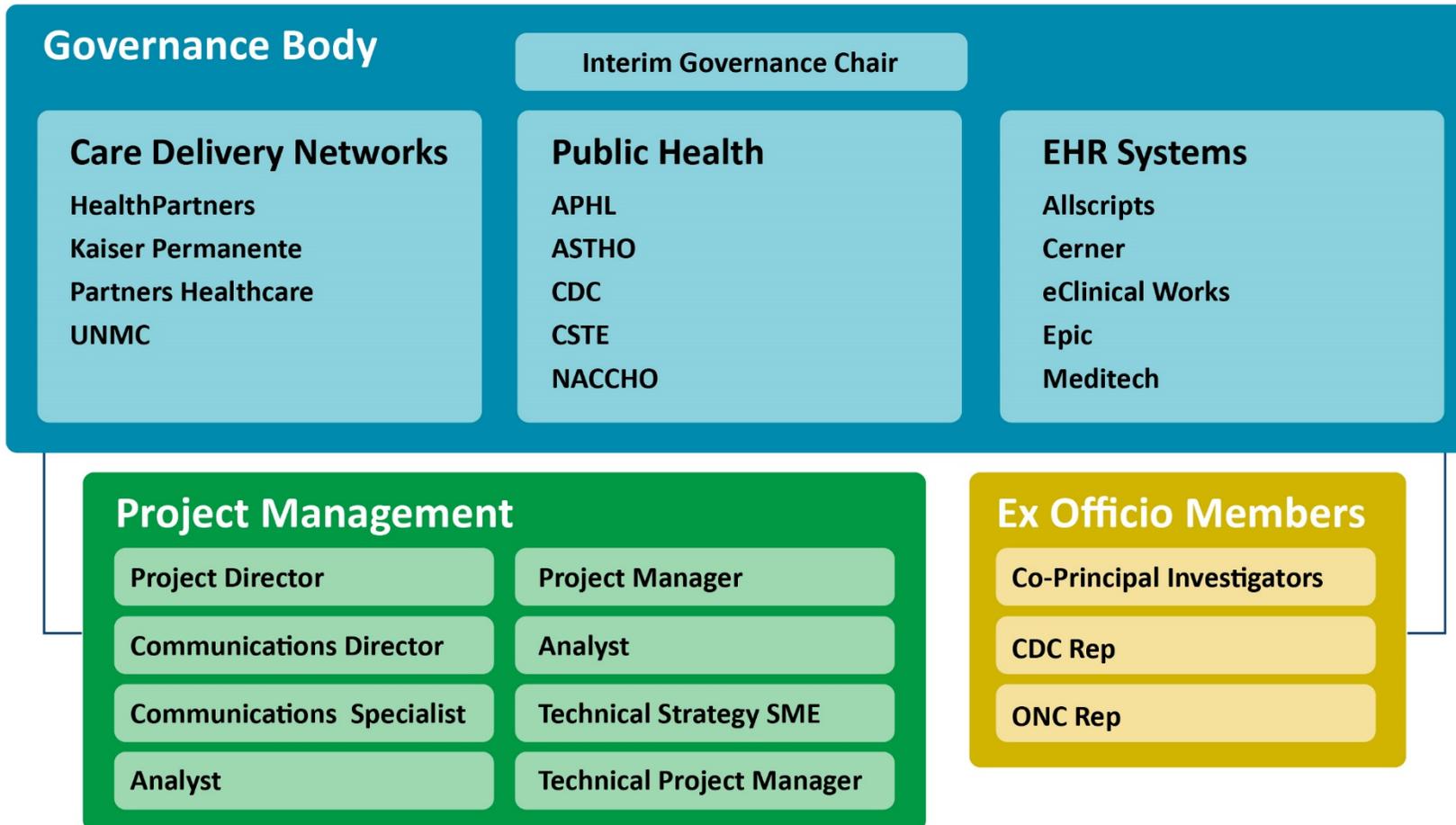
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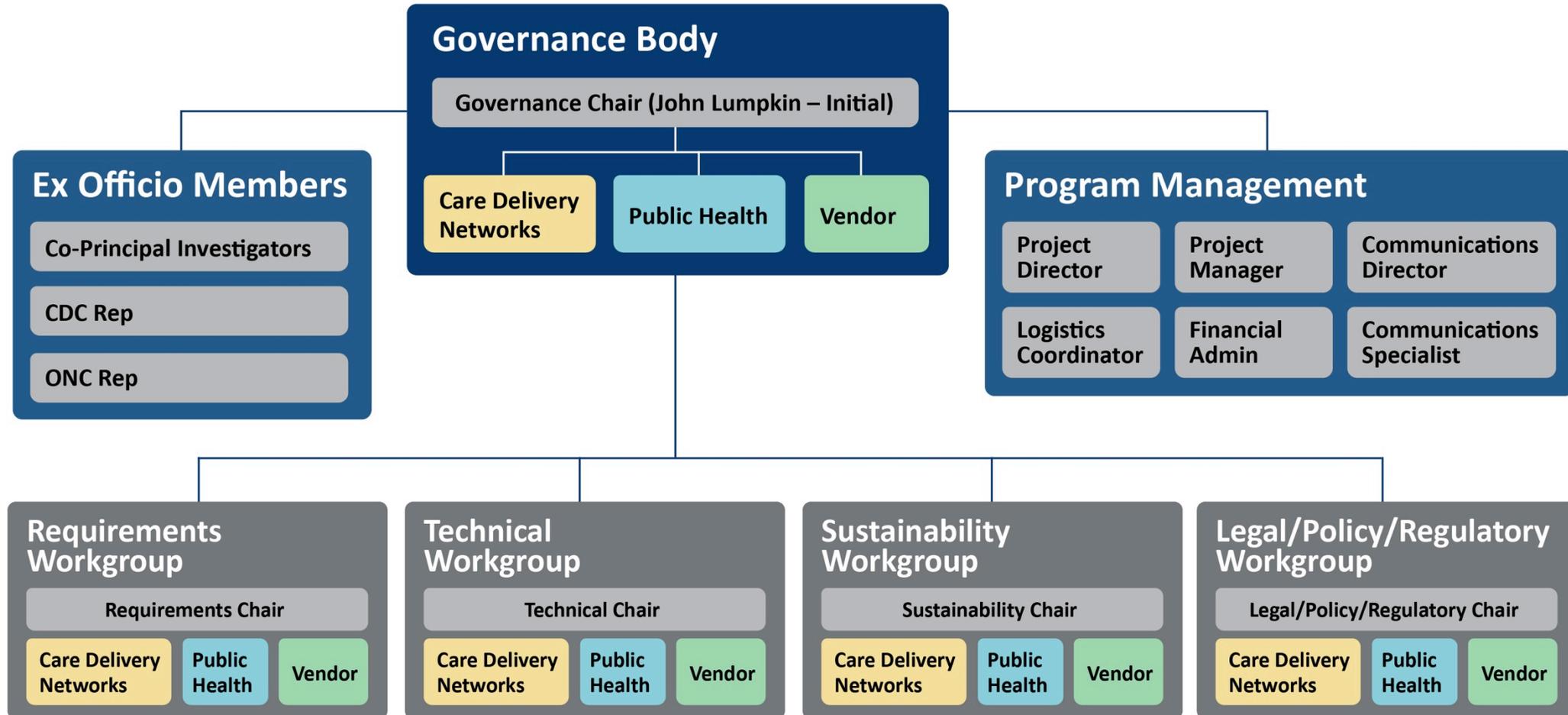
What is the Digital Bridge?

- Designed to improve health through better information flow between public health and health care
- Goal: identify a consistent, nationwide, and sustainable approach to using health care's EHR data to improve public health surveillance
- Includes representatives from public health, health care delivery systems, and health IT (EHR) vendors
- Funded by the Robert Wood Johnson Foundation
- Project Office: Deloitte Consulting and the Public Health Informatics Institute
- Governance body chaired by Dr. John Lumpkin (RWJF)
- Initial focus: electronic case reporting (eCR)

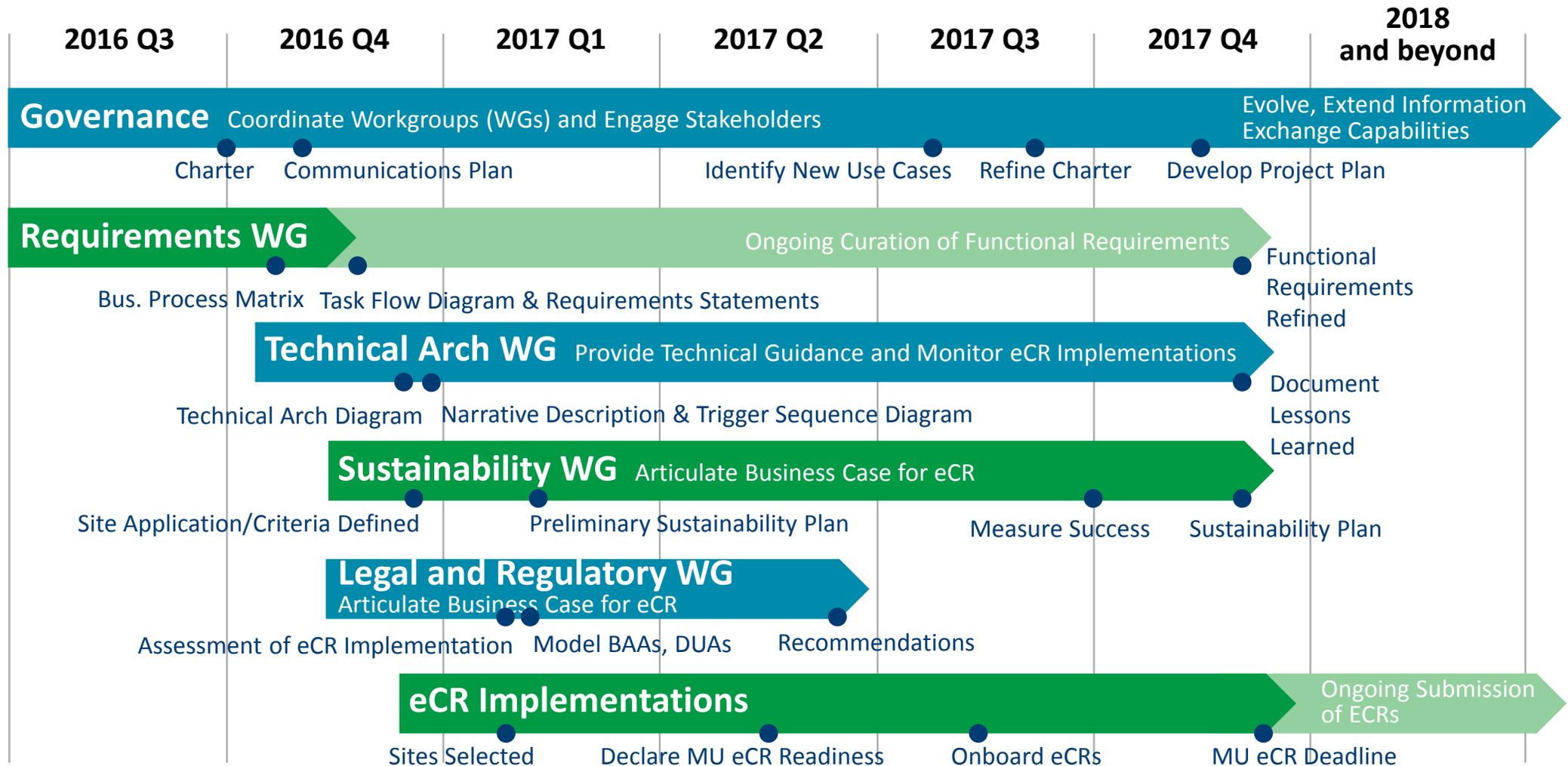
Governance Body Members



Organizational Structure



eCR Project Timeline



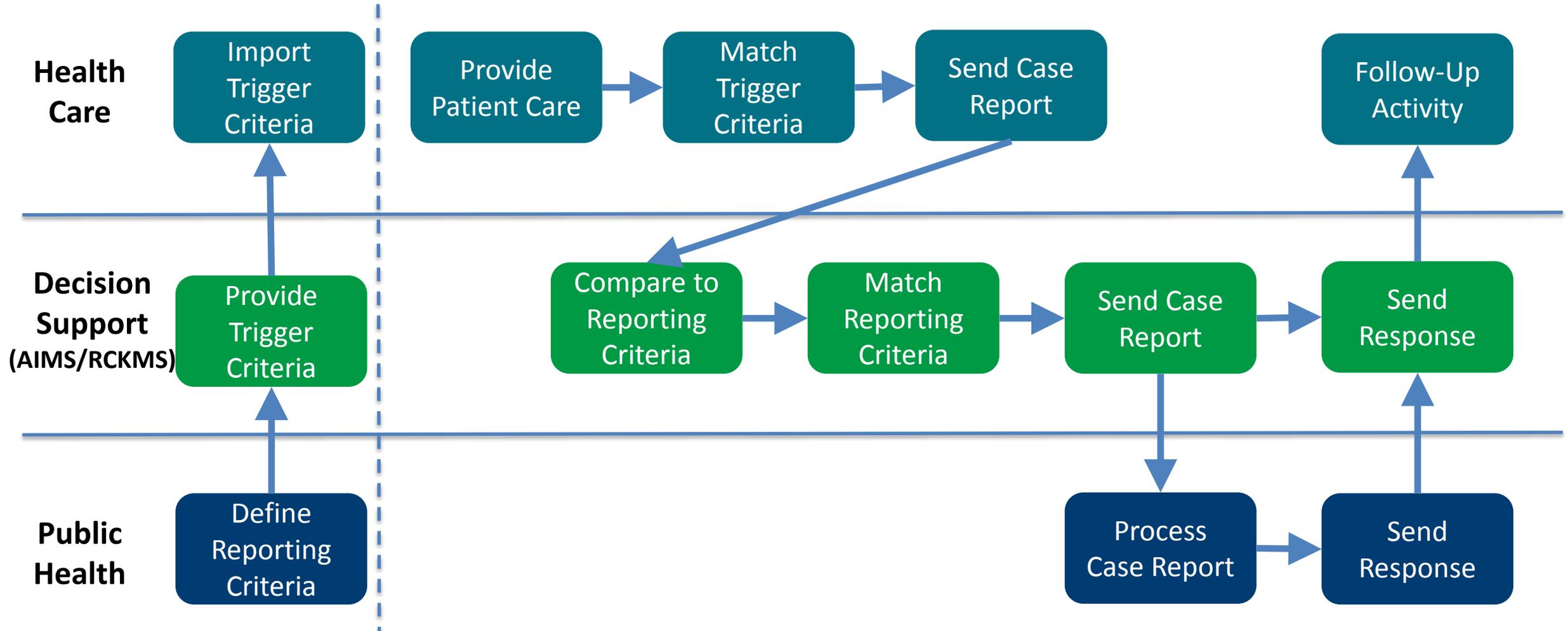
Electronic Case Reporting (eCR)

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

Value of Electronic Case Reporting (eCR)

- More complete, accurate data in real time for action
- Early detection of cases allows
 - Earlier intervention
 - Diminished transmission of disease
- Improves detection of outbreaks
- Responds directly to local and state partner needs
- Diminishes burden on healthcare provider to report
- Directly links health care to population health

eCR Process (High Level)



Digital Bridge eCR Approach

Digital Bridge eCR Approach

- An interoperable, scalable, and multi-jurisdictional approach to eCR.
- Not a *new* technology product. The Digital Bridge approach is based on existing eCR tools and standards, and seeks to support their development and adoption.
- eCR is incorporated into the EHR as a background operation requiring little or no effort on the part of the clinical end user.
- The approach will be tested through at least five implementation sites in 2017.
- The implementation sites' technical solution will remain EHR vendor-agnostic so that any vendor can adopt the solution and pass on this functionality to their clients.

Benefits to This Approach

- A unified approach to information exchange will ease the burden and costs for all stakeholder groups.
- Advances greater consistency across public health and health care interoperability cases.
- Lays the foundation for greater bidirectional exchange of data between health care and public health so that clinicians can be more easily informed, and collaborate with public health during outbreaks.
- Bidirectional data exchange can eventually encompass non-communicable diseases.

Workgroup Activities

Workgroup Activities

- The requirements workgroup is charged with defining functional requirements for eCR. The group has completed the [business process matrix](#) and the [task flow diagram](#).
- Using products developed by the requirements workgroup, the technical architecture workgroup is charged with defining the technical requirements for eCR. The [technical architecture diagram](#) and [eICR trigger sequence diagram](#) have been completed.
- The sustainability group is working to create a sustainability plan for eCR with a business model that supports the Digital Bridge approach. This workgroup has also developed criteria and an application for the implementation site selection process.
- The legal and regulatory workgroup will focus on legal issues that govern eCR implementation nationwide.

Stakeholder and Site Participation

Site Participation

- Five sites will be selected to implement the Digital Bridge eCR approach.
- Each site will be a combination of a health care delivery system, a health data provider (e.g., EHR vendor, HIE) and a public health agency.
- Sites will support five conditions initially: pertussis, gonorrhea, chlamydia, salmonellosis, and Zika.
- Site selection criteria and an application are available now at www.digitalbridge.us/implementationsites.

Site Participation

- Sites who partner with Digital Bridge will participate in eCR evaluations.
- Selected sites are expected to provide in-kind contributions for implementations. The Digital Bridge governance body and project management office will provide technical assistance, but direct funding to selected sites is currently not available.
- Any public health agency participating in eCR outside of Digital Bridge is encouraged to continue to do so.

Stakeholder Participation

- We value the input of a diverse audience. Dialogue is encouraged with governance body representatives. Feedback and questions can also be sent to info@digitalbridge.us
- The Digital Bridge intends to be transparent. Products from workgroups will be posted on www.digitalbridge.us

Thank you!

For updates: www.digitalbridge.us

For questions and input: info@digitalbridge.us