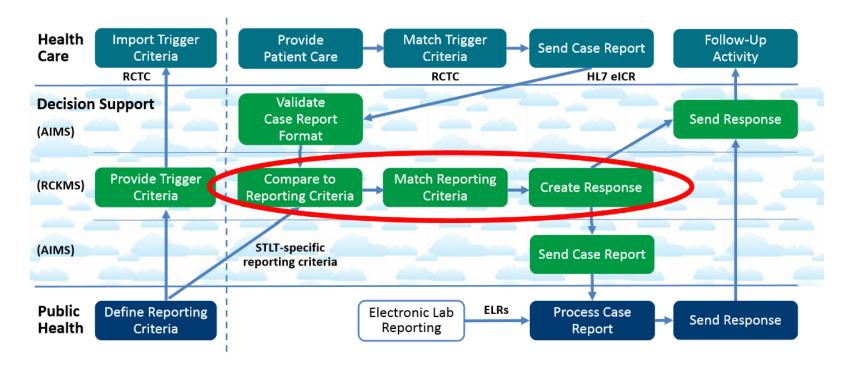


Noam H. Arzt, PhD, FHIMSS, FAMIA

ISDS 2019 Annual Conference San Diego, CA January 30, 2019

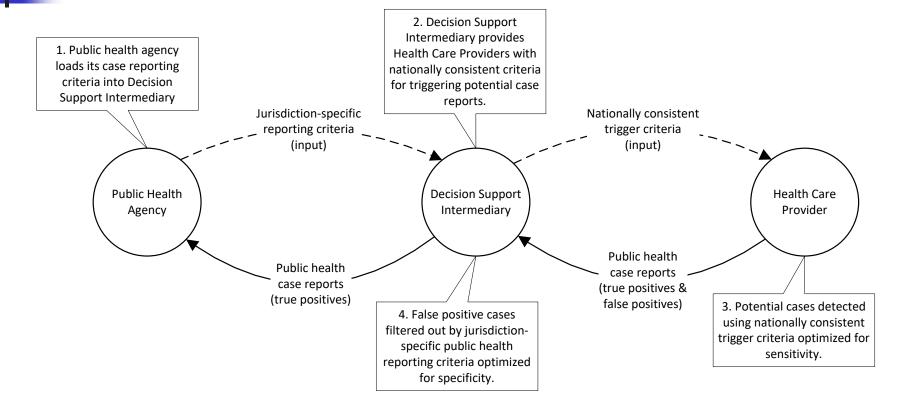
Electronic Case Reporting Process Flow



 $Source: http://www.digitalbridge.us/db/wp-content/uploads/2017/03/DigitalBridge_eCR_MidLevelDiagram_20170213.pdf$



Electronic Case Reporting (eCR) Overview

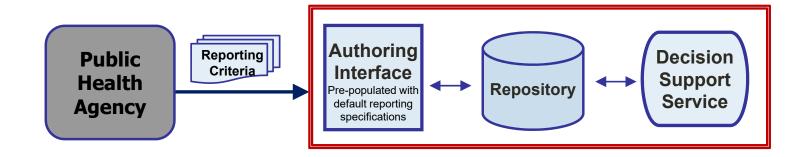


Source: Digital Bridge Project





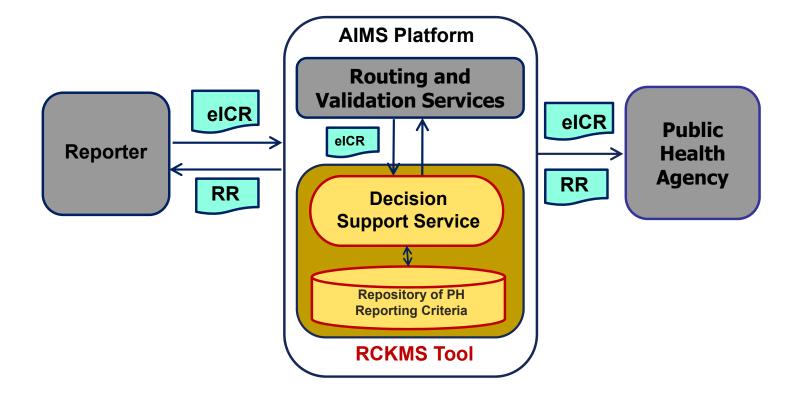
Reportable Conditions Knowledge Management System (RCKMS) Components



- 1. Authoring Interface: Jurisdiction enters Reporting Specifications into Tool
 - RCKMS tool comes pre-populated with default Reporting Specifications that PHAs can choose to use as is, or customize to meet their needs
- 2. <u>Repository</u>: Reporting Specifications and Criteria stored in a Repository
- 3. <u>Decision Support Service (DSS)</u>: Reporting Specifications deployed to DSS (Rules Engine)



RCKMS: Centralized Approach







Benefits of a Centralized Approach

- Ensure a standards-based approach
 - HL7 Electronic Initial Case Report (eICR)
 - HL7 Reportability Respose
- Scalabe
 - Centralized AIMS platform
 - Established trust framework
- Shared set of rules for all jurisdictions
- Collaborative Effort through Digital Bridge

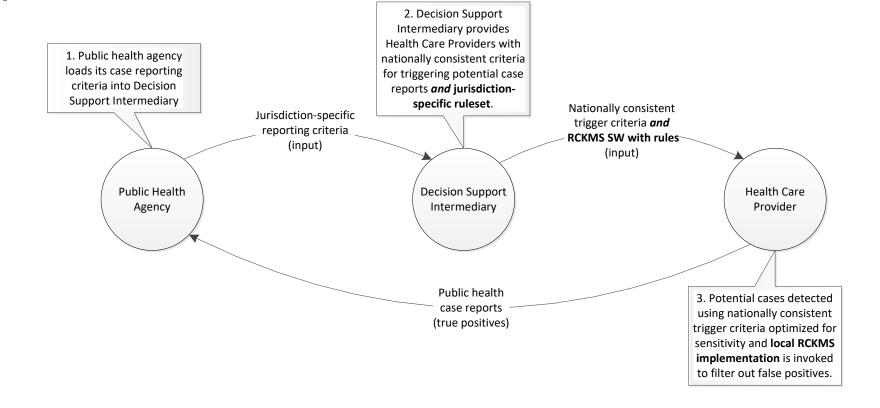


Alternative Deployment Models

- Reduce dependence on a central service
 - Performance
 - Reliability
 - Network latency
 - Leverage existing local CDS capabilities
 - Legal reasons
- Dangers
 - Inconsistent rules
 - Insufficient rules
 - Higher cost
 - May require more technical skill
 - Other technical, policy, legal impacts
- Two models
 - Local RCKMS deployment
 - Deployment of national rule set using local CDS software capabilities

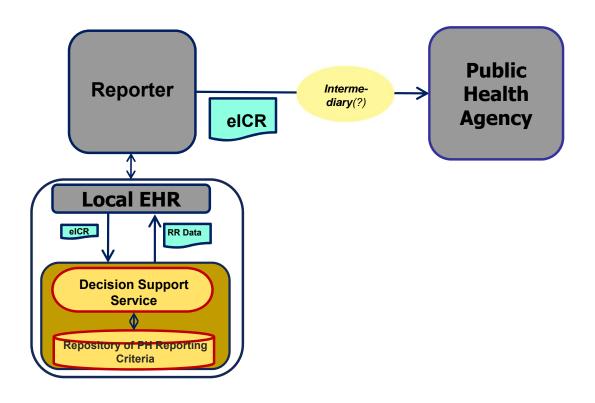


Alternative #1: Local RCKMS Deployment



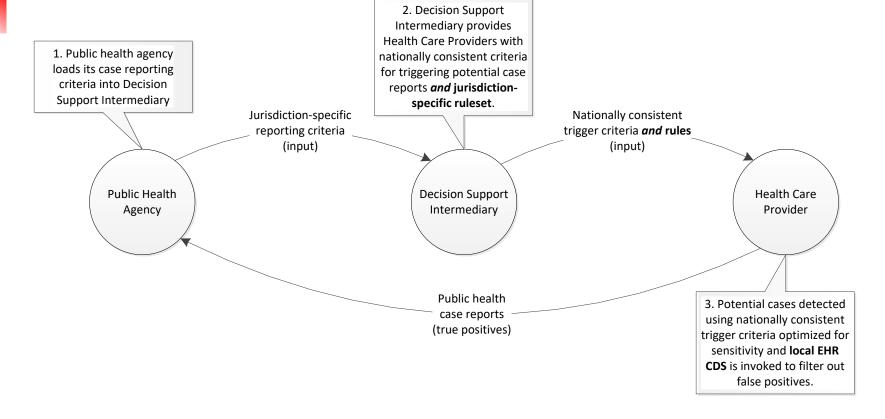


Alternative #1: Local RCKMS Deployment



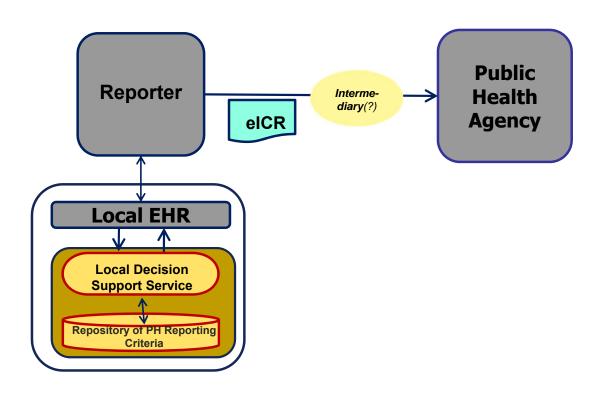


Alternative #2: Local CDS Deployment





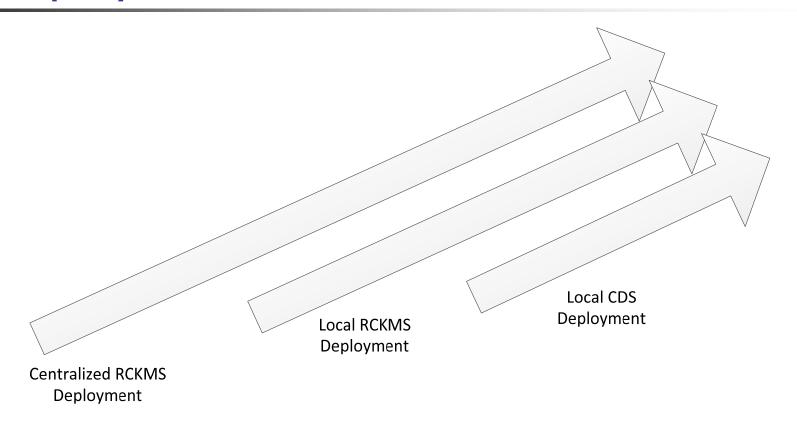
Alternative #2: Local CDS Deployment







Deployment Timeline







Contact Information

Noam H. Arzt

President, HLN Consulting, LLC

858-538-2220 (Voice)

858-538-2209 (FAX)

arzt@hln.com

@NoamArzt

http://www.hln.com/noam/

