

The Office of the National Coordinator for
Health Information Technology



**Public Health – EHR Vendors Collaboration Initiative
Webinar**

**Leveraging Health IT to Support Public Health Labs
June 19, 2018**

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

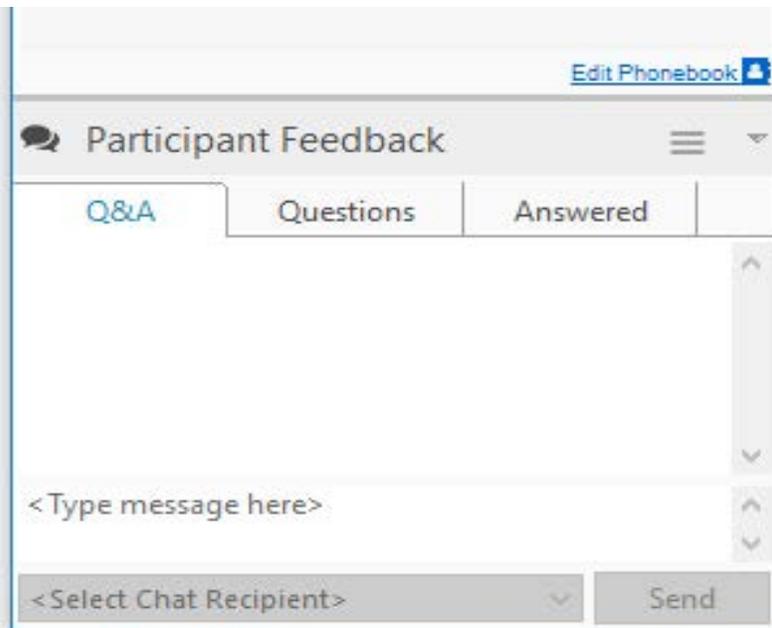
This webinar will be focused on the recommendations around Ask at Order Entry (AOE)* for pregnancy status in Zika virus (ZIKV) laboratory test orders with the possibility of a broader discussion on the capture of pregnancy status in electronic health records, per the clinical workflow and an update on 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 in ReadyTalk 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.



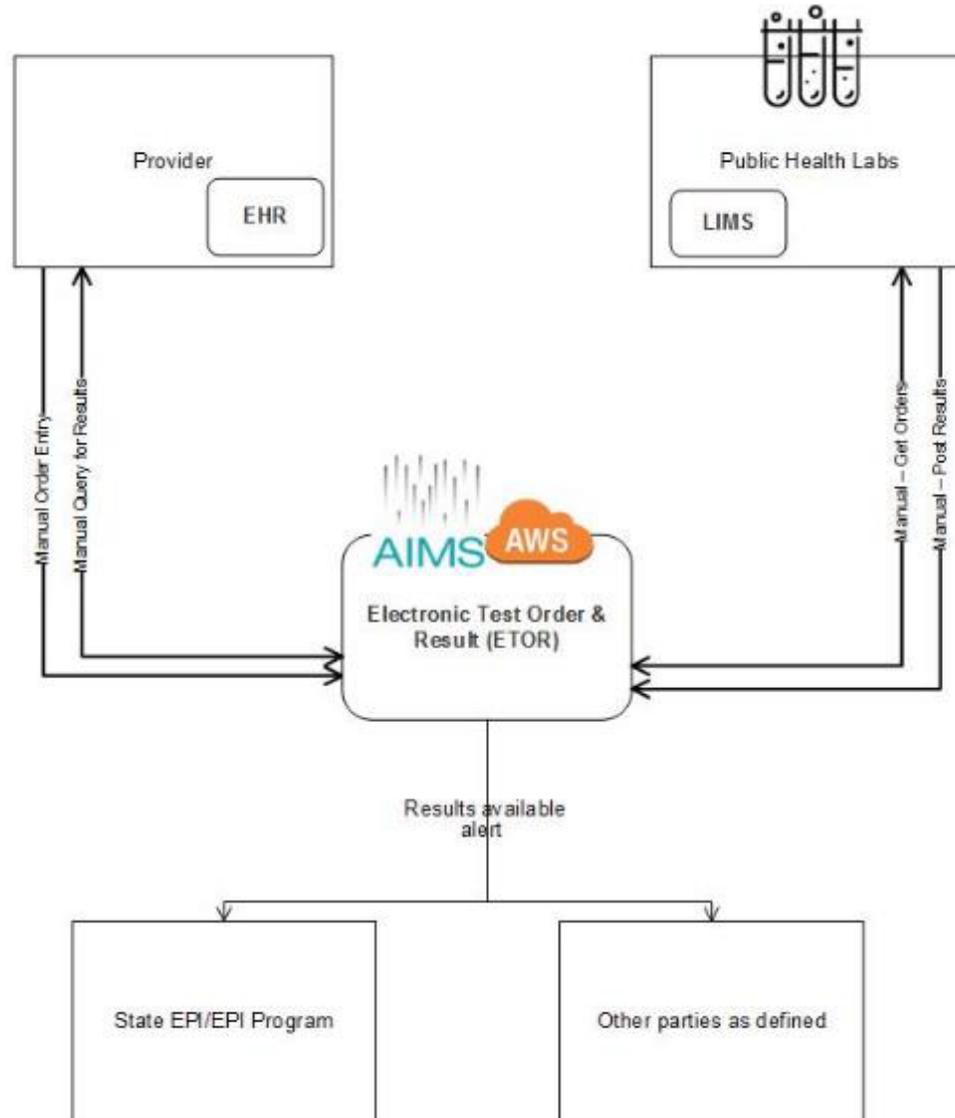
Leveraging Health IT to Support Public Health Labs

Michael Baker, Policy Advisor, Department of Health and Human Services, Office of the Secretary,
Office of Intergovernmental and External Affairs

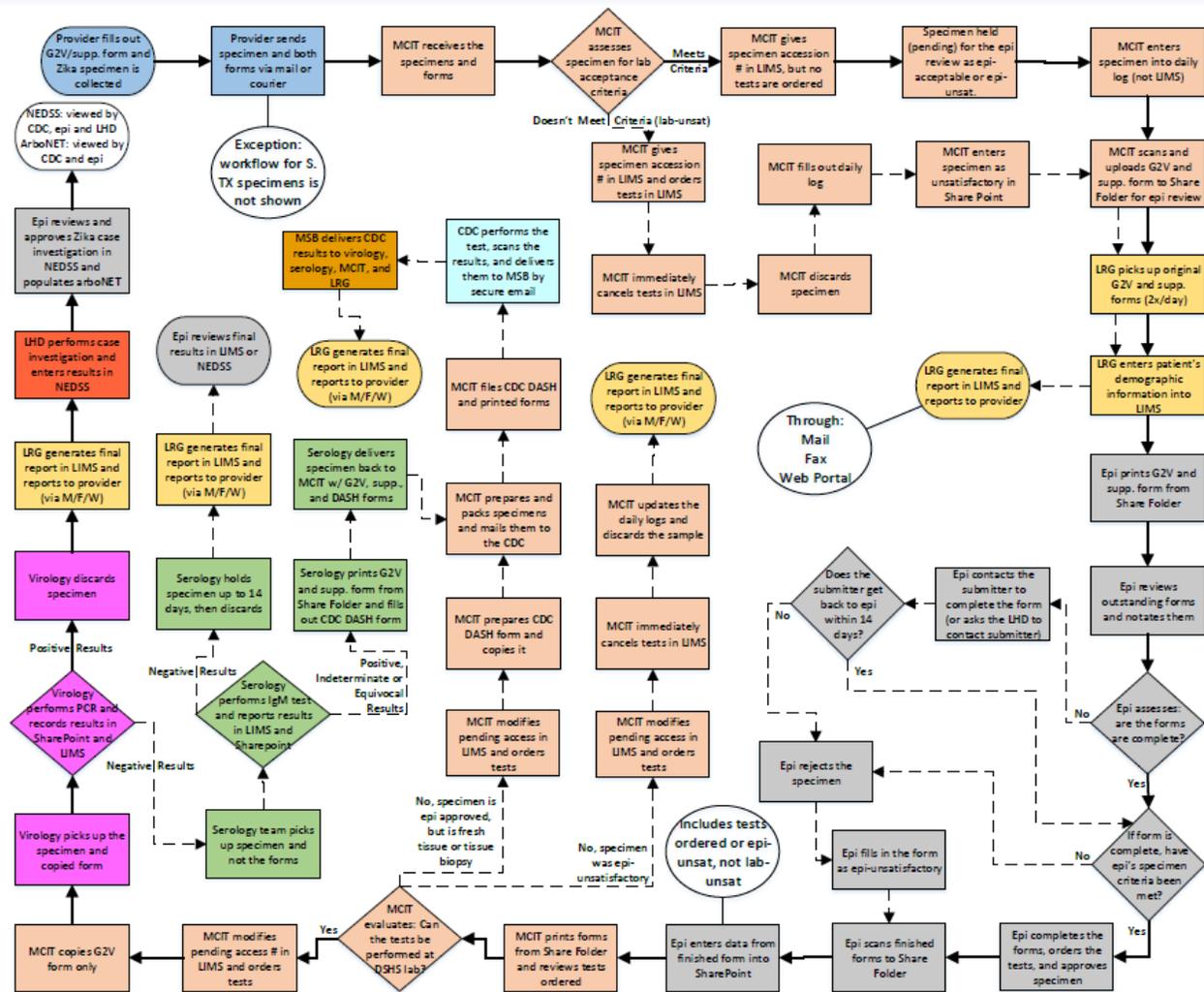
June 19, 2018



Where we are

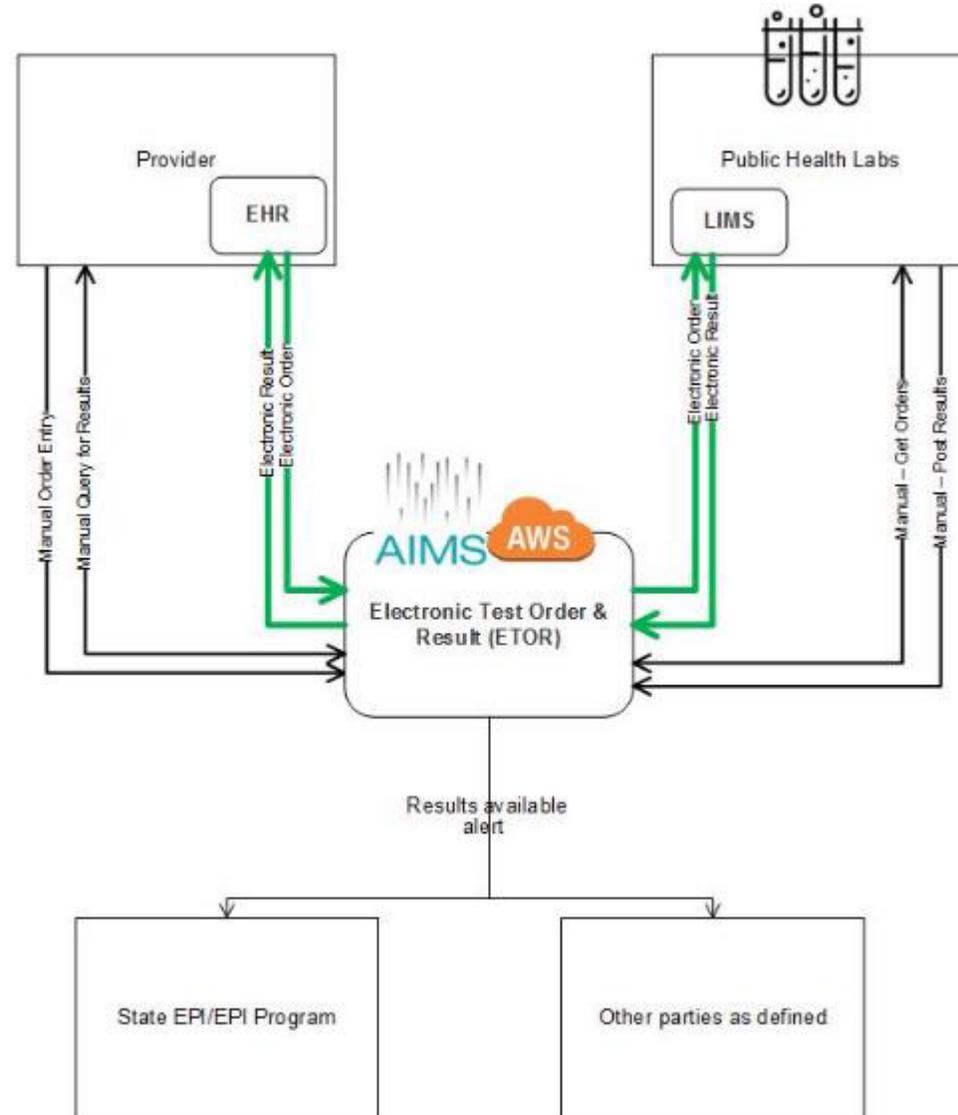


An example of current workflow



* Documented by Dr. Leanne Field at the University of Texas at Austin

Where We Want To Go





Analysis. Answers. Action.

www.aphl.org

Enhancing Clinical/Epi/Lab Coordination through the Use of a Electronic Test Order and Result Web Portal

*Medicaid Public Health CoP & Public Health EHR Vendors call
June 19, 2018*

Synopsis

- Project background
- Critical success factors
- Developing the solution
- Outcomes and Next Steps

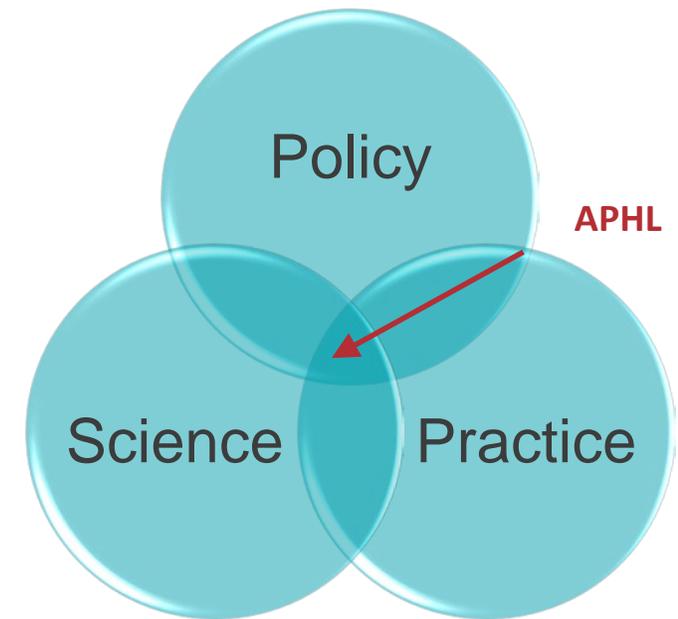
APHL

Vision

A healthier world through quality laboratory systems

Mission

Shape national and global health outcomes by promoting the value and contribution of **public health laboratories** and continuously **improving** the public health laboratory **system and practice.**



Public Health Programs

Infectious Diseases

Preparedness & Response

Environmental Health

NBS & Genetics

Food Safety

Public Health Systems

Institutional Research

Quality Systems

Global Health

Informatics

Electronic Test Order and Result Work

- Web Portal RFP distributed

- CDC TB program supported
- National DST reference center
- iConnect/Lab Web Portal (LWP) Selected

- Programmatic Efforts to assist ETOR

- White paper / policy statement (CDC DLS)
- Standards Development (LOI/LRI)

- LWP deployed on AIMS VPC

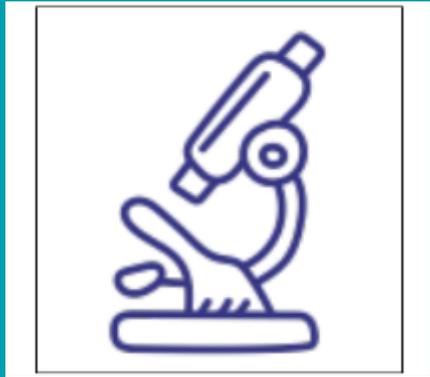
- 5 Antibiotic Resistance Lab Network (ARLN) regional labs
- CDPH National TB DST reference center

- HHS ONC ETOR process improvement

- Expand use of LWP to support emerging infectious disease use case.
- Expand to look at provider, lab and epi communication channels-

ETOR in the Clinical Domain

Care & Treatment: Passive Surveillance



DETECT



REPORT

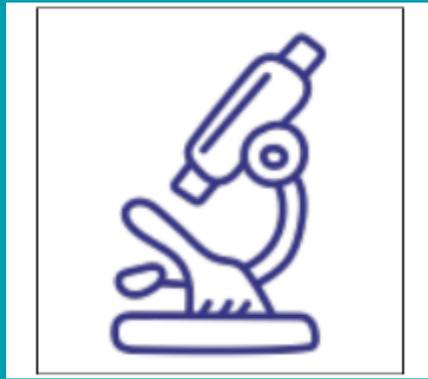


REPORT



RESPOND

ETOR in Public Health: *Active Surveillance Needed*



DETECT



REPORT



RESPOND



Public Health Data Needs Constantly Evolve



For Zika virus testing eligibility:

www.publichealth.lacounty.gov/acd/Diseases/EpiForms/ZikaEligibility.pdf

For Zika virus testing and notification information:

www.publichealth.lacounty.gov/acd/ZikaTesting.htm

Clinical Data

Name of Clinic
Date of treatment
Observations
Preliminary Diagnosis

Patient Identifier

Lab Data

Patient Identifier

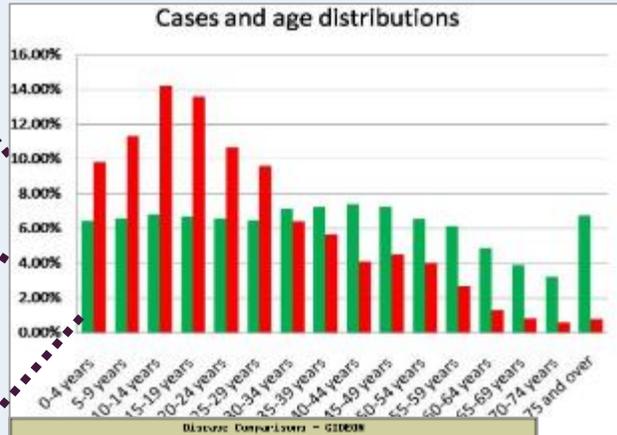
Sample ID (Lab)
Test Method Ordered
Date Collected
Test Result

Population Data

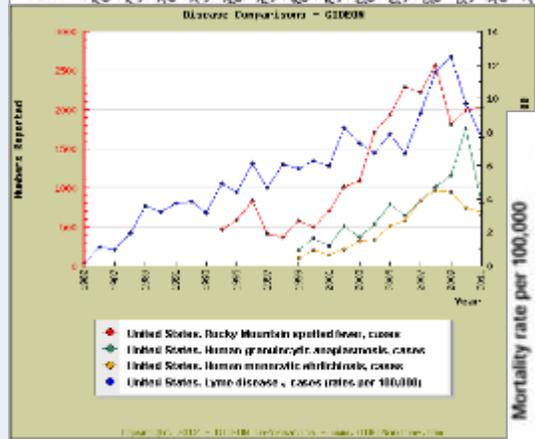
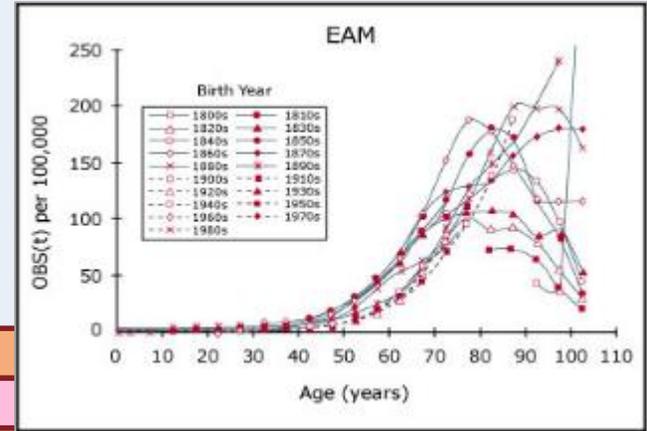
Patient Identifier

Dates of Travel
Country Visited
Exposure to Stagnant Water
Exposure to Mosquitos

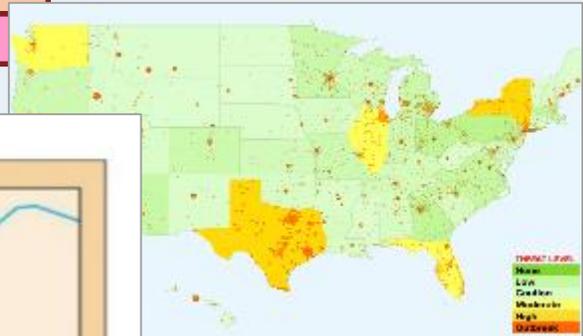
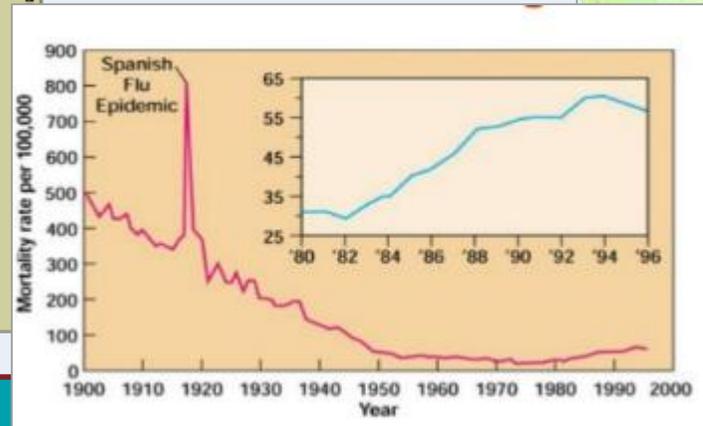
Integrated Disease Surveillance



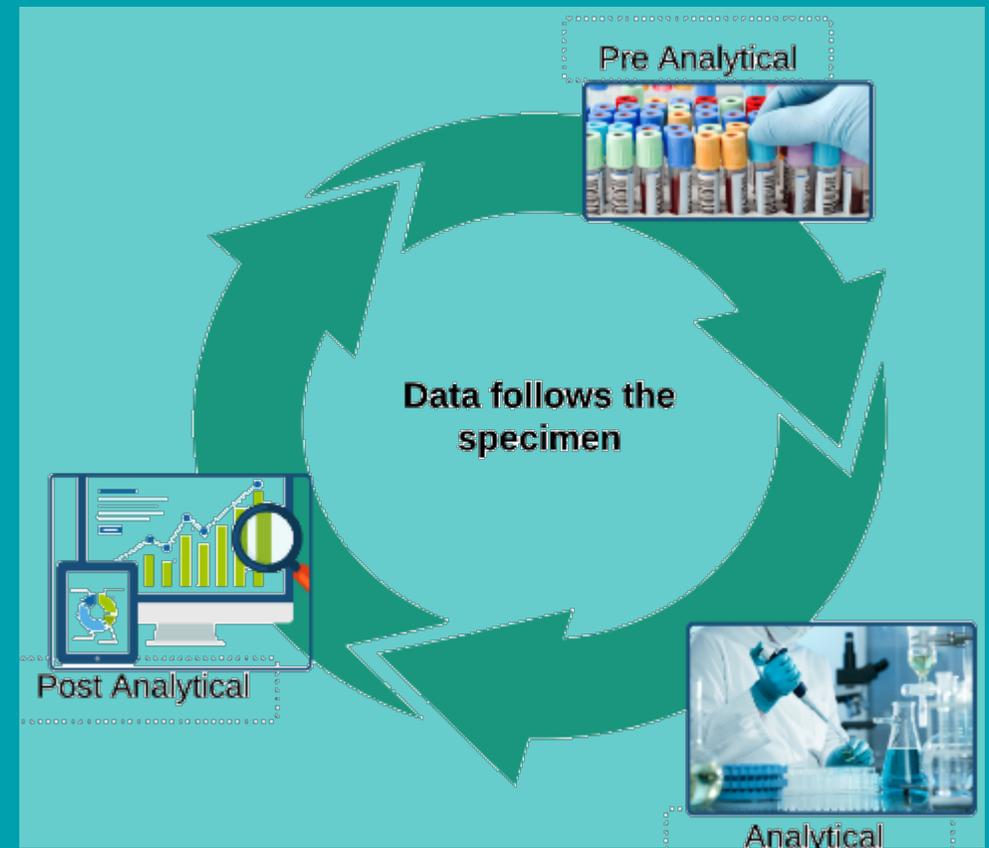
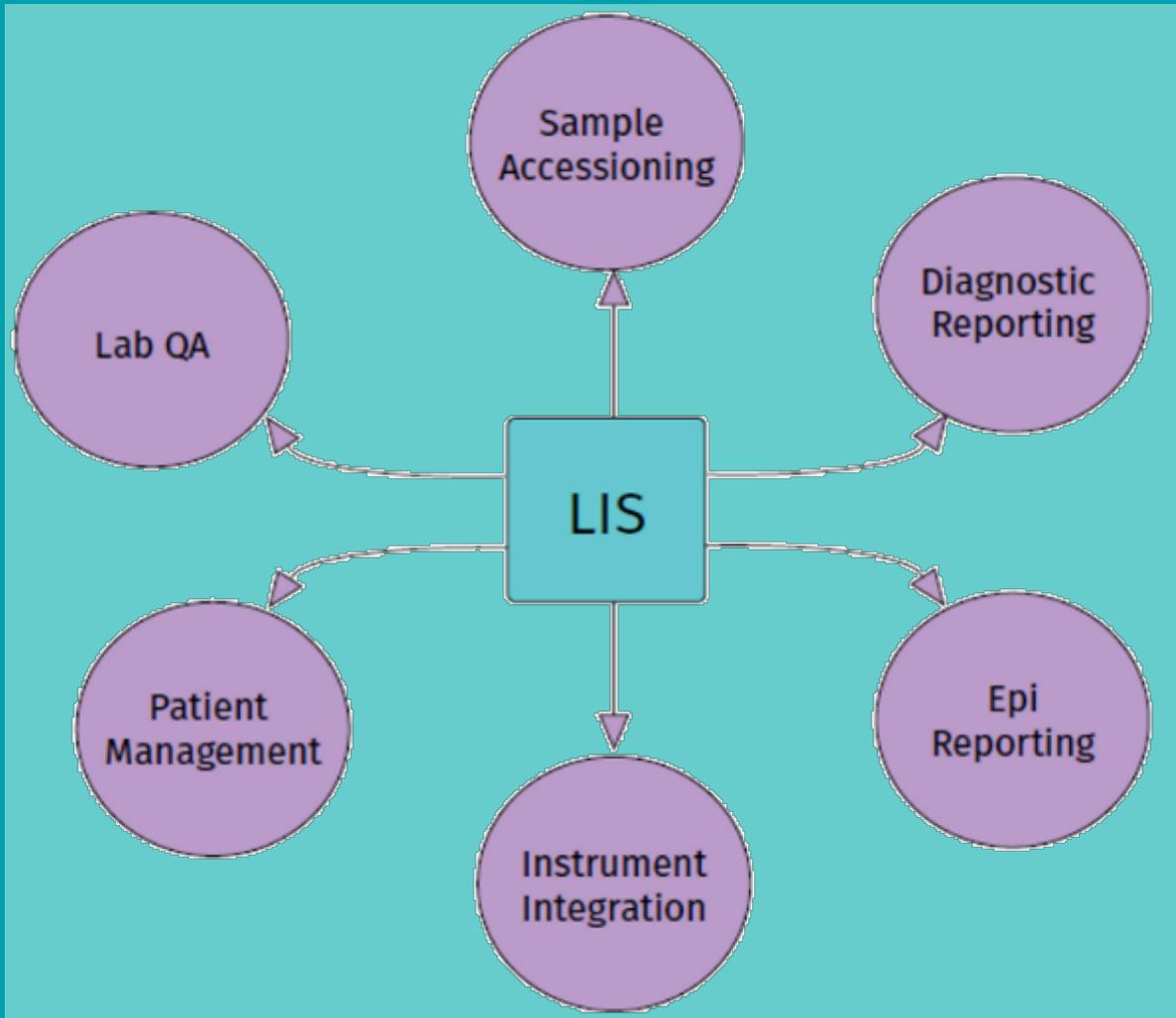
Name of Clinic
Date of treatment
Observations
Preliminary Diagnosis
Patient Identifier



Sample ID (Lab)
Test Method Ordered
Date Collected
Test Result
Dates of Travel
Country Visited
Exposure to Stagnant Water
Exposure to Mosquitos



Laboratory data



Modifying LIMS to support epidemiologically significant data difficult

Problem Statement: Zika and Other “non-standard” tests

- Clinical submitters lack an **efficient way of ordering tests, retrieving status and receiving results** for suspect Zika cases.
- Current methods to **capture epidemiological significant questions** when a specimen is submitted for Zika testing (known as Ask at Order Entry questions), are not efficient or cumbersome and “after the fact” to help with testing prioritization.
- Epidemiologists do not have an **efficient way to assist in the testing process to authorize, sort and prioritize testing** based on submitter provided information and national case definitions.

HHS Challenge:

Build on current informatics tools to support clinical and public needs in the face of Zika and other emerging diseases

National Tuberculosis Drug Susceptibility Testing Reference Lab

Provide ETOR tools that support TB-DST
shared services



Antibiotic Resistance Lab Network

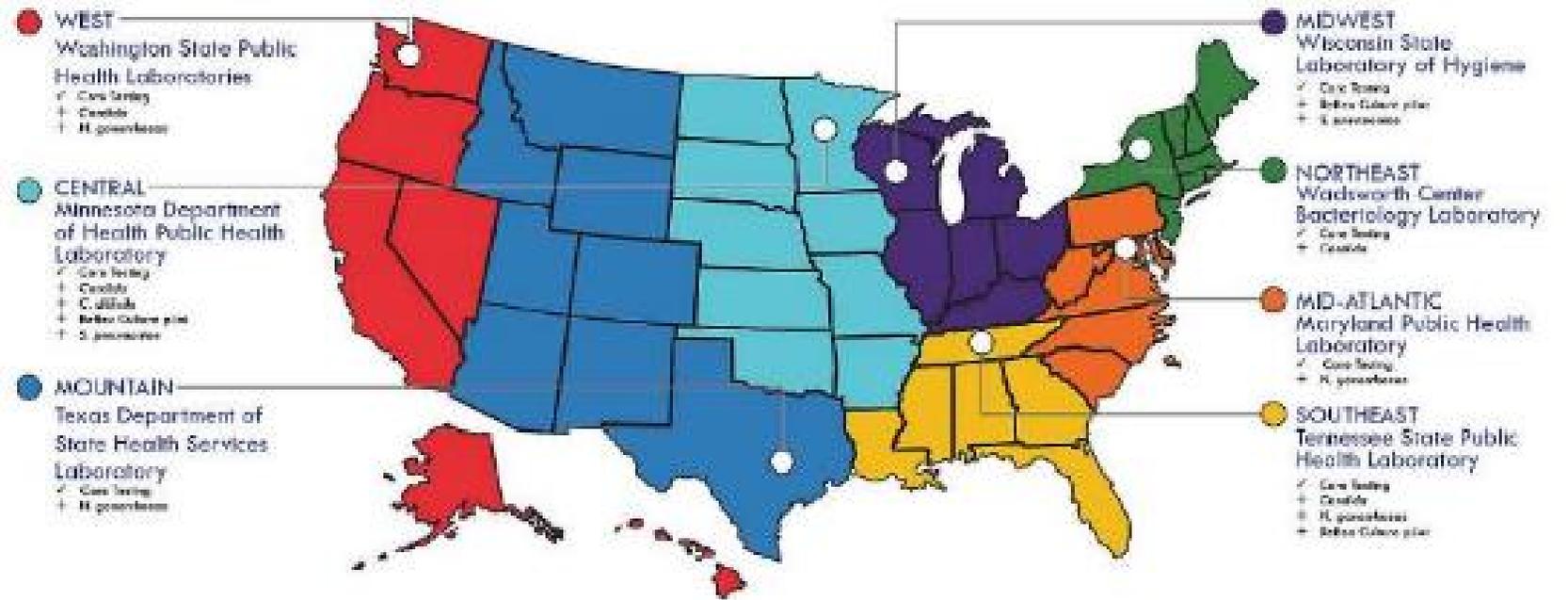
Electronically report CRE colonization results to a network of cross-jurisdictional clinical and public health partners within 48 hours of specimen receipt



LRI

LOI

CDC Antibiotic Resistance Laboratory Network: 7 Regional Labs



Critical Success Factors

- Use existing resources and share best practices
- Design flexible, extensible ETOR system
- LIMS EMR agnostic
- Accommodate multiple workflow submission modes:
 - Paper, Web-based, EMR Submission, LIMS Synchronization
- Ensure solution standardization, while maintaining flexible approach

Identified Barriers

- Tough to meet all user expectations out of the gate
- Use of cloud computing tools
- Extensive support needed for long-term maintenance of different HL7 message specifications, transport configurations
- Ongoing maintenance requires time, personnel, and technical support expertise

Proof of Concept Approach



Discovery Phase Deliverables

- Document and validate **existing and potential** workflows
- Document **functional** requirements
- Perform **Gap Analysis** between LWP and Requirements
- Define user scenarios and **prioritize enhancements**

Technical Approach



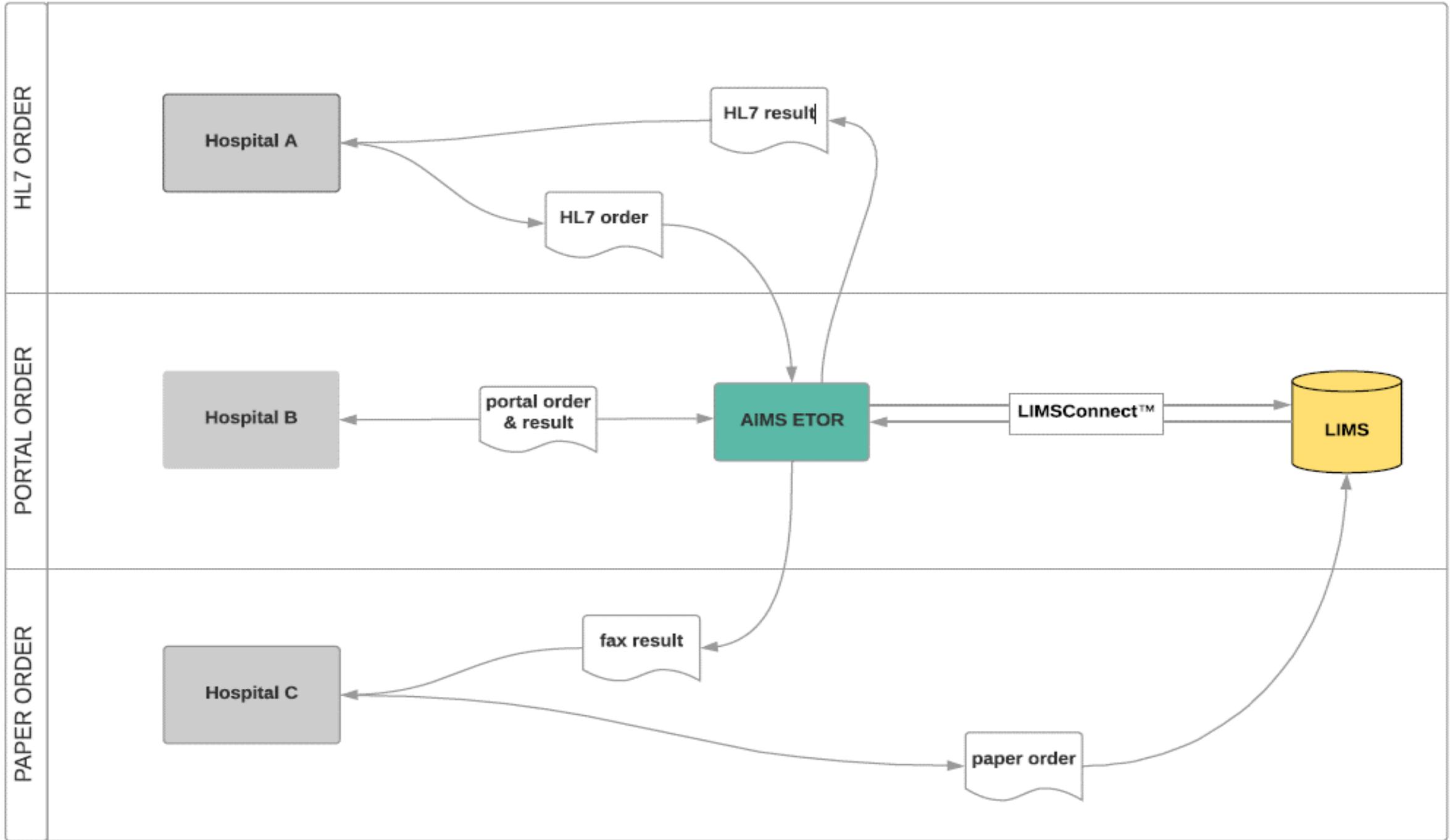
Selected competitively



LIMS agnostic



Centrally hosted





A **secure, cloud based** environment that accelerates the implementation of health messaging by providing shared services to aid in the **transport, validation, translation, transformation and routing** of electronic data.

AIMS in Action

 **25 Million**
Messages Lifetime
Transported

 **20 Million**
Messages/week
via Interface Engine
Processing

 **26 Million**
Number of Daily Security
Log Files

 **~100**
Number of Servers

160
Trading Partners



13
States Cross
Jurisdictional Exchange



 **2.5 TB**
of WGS Data Processed and Counting

Quest

1 Million
Number of Quest ELR Messages
Per Month

Use Cases

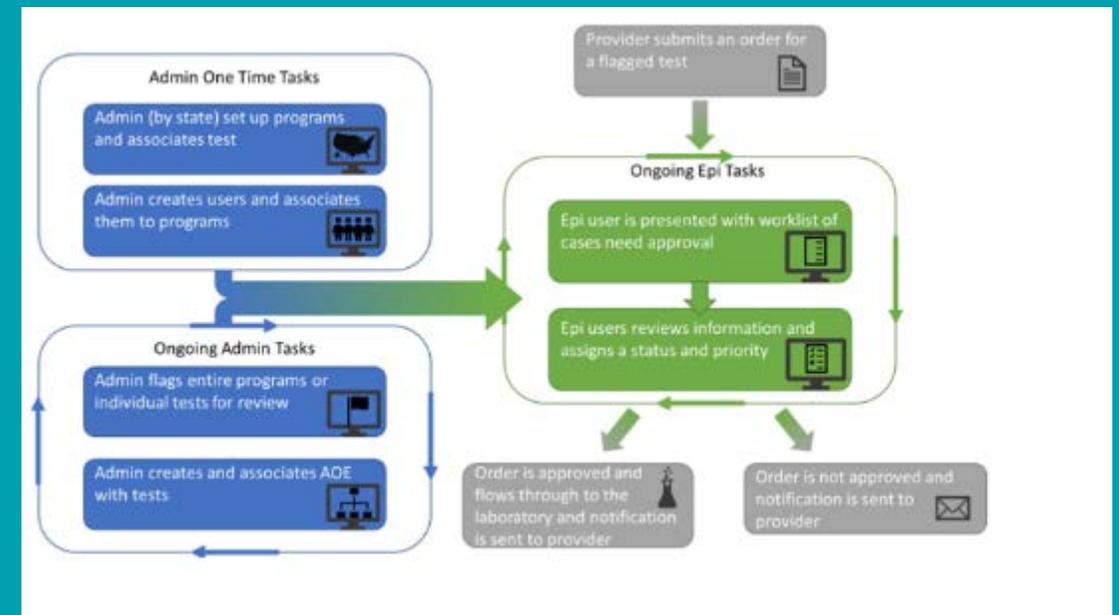
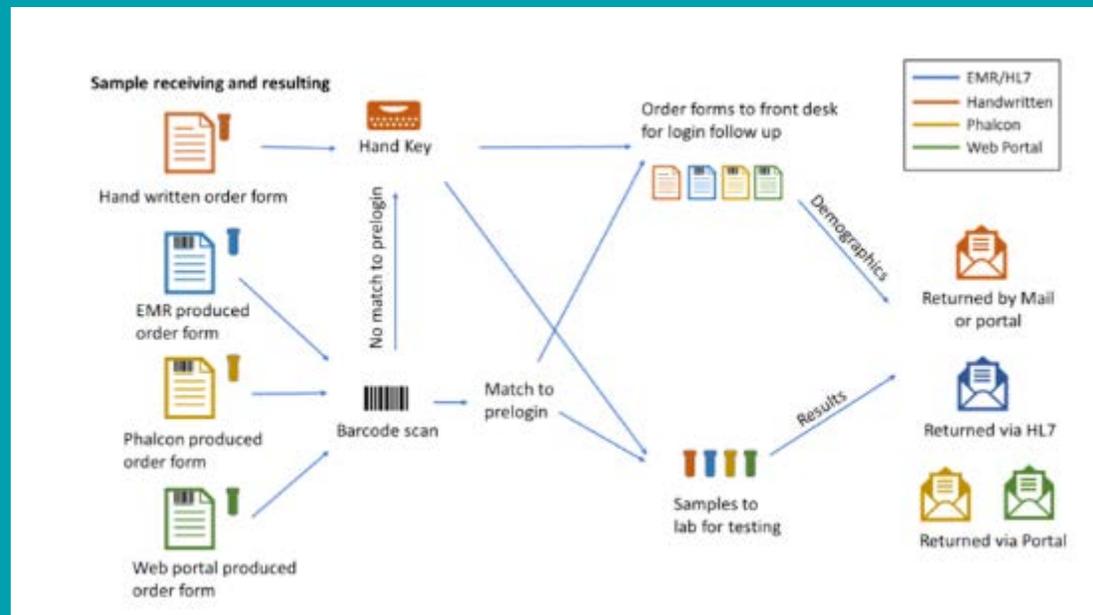
28,149
PHLIP
Messages
Per Month

63,070
Electronic Lab
Results Per
Month

222,874
Syndromic
Surveillance

Excluding Quest

Project Results



Enhancement 1:

EPI prioritization functionality & admin tool expansion

The screenshot displays a web-based interface for managing specimens. At the top, there are navigation tabs: DASHBOARD, TEST ORDER, INCOMPLETE ORDERS, ALL SPECIMENS (highlighted), and PUBLISHED REPORTS. Below the tabs, the page title is "All Specimens" with a count of 15. A search bar is located on the right. The main content area features a table of specimens with columns for Key, PatientName, Patient DOB, DateCollected, Status, Date Submitted, Date Received, Review, and Priority. A dropdown menu is open for the "Review" column of the selected record. Below the table, a "Patient Information" form is expanded, showing fields for Last Name, First Name, MR, Date of Birth, Age, Gender, and Patient Address. A callout box at the bottom left points to the expanded form with the text: "Option 1: Records expand to display Patient Information and EPI questions".

Key	PatientName	Patient DOB	DateCollected	Status	Date Submitted	Date Received	Review	Priority
OIDCA17000027	Ion, Pop J	02/02/2000	11/28/2017 07:00 PM	InTransit	11/28/2017 07:17 PM	12/31/0000 07:00 PM		
OIDCA17000028	Joe, Doe K	01/01/2000	11/24/2017 11:14 AM	InTransit	11/24/2017 11:16 AM	12/31/0000 07:00 PM		
OIDCA17000025	Ion, Pop J	02/02/2000	11/24/2017 11:14 AM	InTransit	11/24/2017 11:15 AM	12/31/0000 07:00 PM		
OIDCA17000023	Ion, Pop J	02/02/2000	11/23/2017 12:28 AM	InTransit	11/23/2017 12:29 AM	12/31/0000 07:00 PM		
OIDCA17000022	ana, maria	01/01/2000	11/21/2017 06:39 AM	InTransit	11/21/2017 06:40 PM	12/31/0000 07:00 PM		
OIDCA17000021	Ion, Pop J	02/02/2000	11/15/2017 07:00 PM	InTransit	11/15/2017 11:26 PM	12/31/0000 07:00 PM		

Patient Information

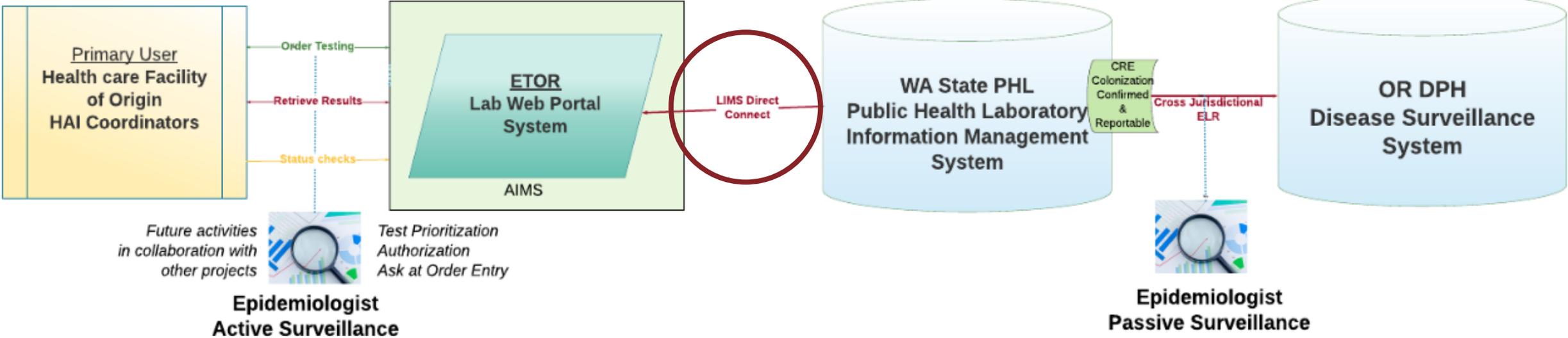
Last Name: [] First Name: [] MR: []
Date of Birth: [] Age: [] Gender: []
Patient Address: Street Address: []

Option 1: Records expand to display Patient Information and EPI questions

B2.1 Users can populate review status 1) directly from the worklist or 2) by drilling down into each record

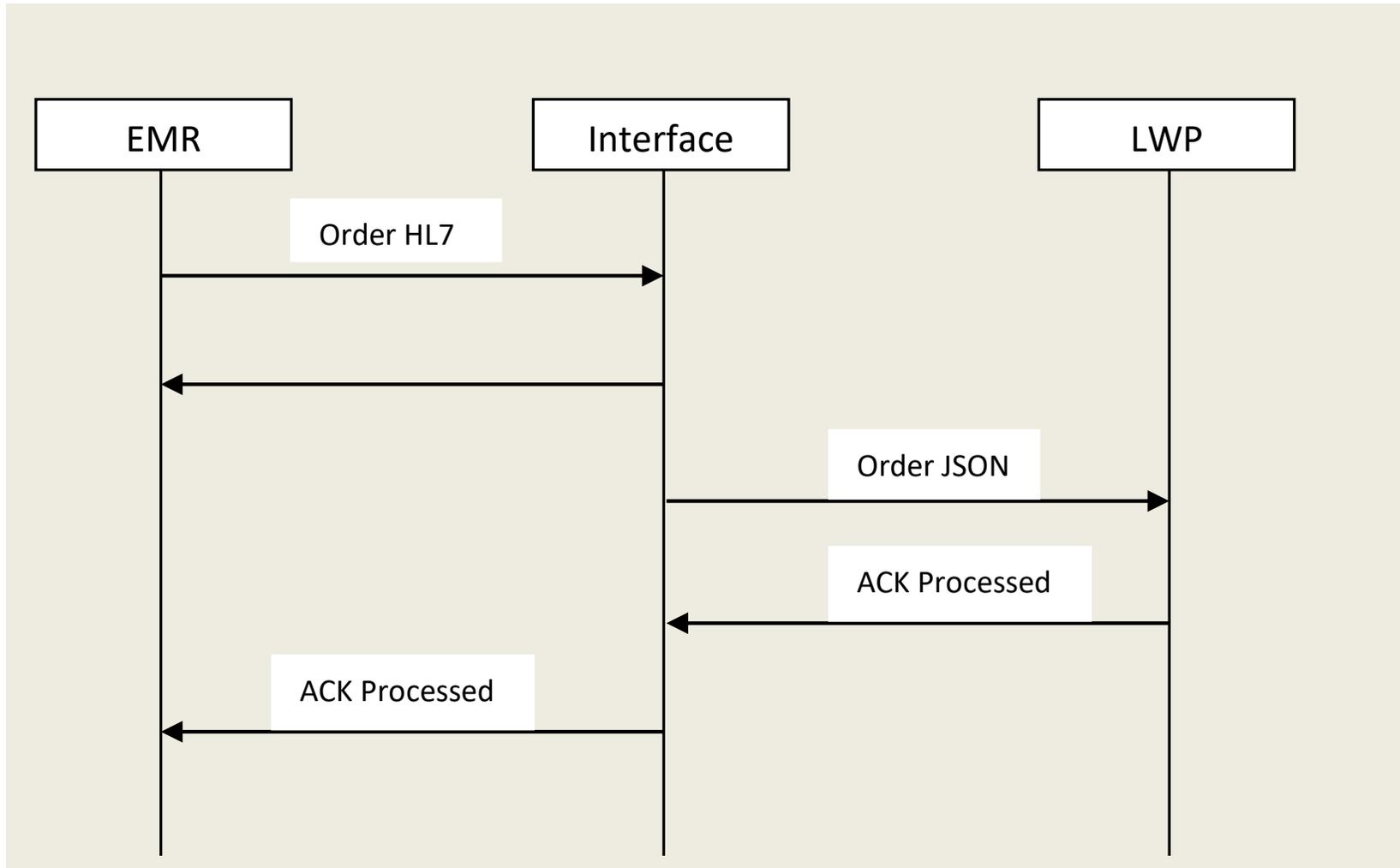
B2.1 Users can populate priority status 1) directly from the worklist or 2) by drilling down into each record

Enhancement 2: *StarLIMS to LWP sync-up*



Enhancement 3:

EMR to LWP Order Interface



Enhancement 4: Patient Centric Functions

- Ability to track patients over time, across systems
- Ability to manage patient demographics, insurance, diagnosis, medications
- Ability to define custom patient metrics
- Ability to view trends and track patient results over time

New Patients page - Demographics

- Dashboard
- Failed Orders
- Incomplete Orders
- In Transit
- On Hold
- All Specimens
- Published Reports
- My Patients

ORDER TESTS

VIEW REPORTS



Cricket, Jimmy D

Office Patient Id:

SSN: 798465202

DOB: 01/16/1974

Gender: Male



Demographics

Medications and Diagnoses

Insurances

Orders

2
Medications

25
Orders

4
Insurances

Orders 12 months: 25

Orders YTD: 25

Trends



Personal Information

Last Name

Cricket

First Name

Jimmy

Middle Initial

D

Date of Birth

01/16/1974

Gender

Female Male

SSN

798-46-5202

Office Patient ID

Phone

Email

Address

Address

Address (2nd line)

City

Jacksboro

State

TN

Zip

37757

EDIT

New Patients page – orders specific to patient

- Dashboard
- Failed Orders
- Incomplete Orders
- In Transit
- On Hold
- All Specimens
- Published Reports
- My Patients

ORDER TESTS

VIEW REPORTS



Cricket, Jimmy D

Office Patient Id:
SSN: 798465202
DOB: 01/16/1974
Gender: Male



Demographics

Medications and Diagnoses

Insurances

Orders

2 Medications 25 Orders 4 Insurances

Orders 12 months: 25

Orders YTD: 25

Trends



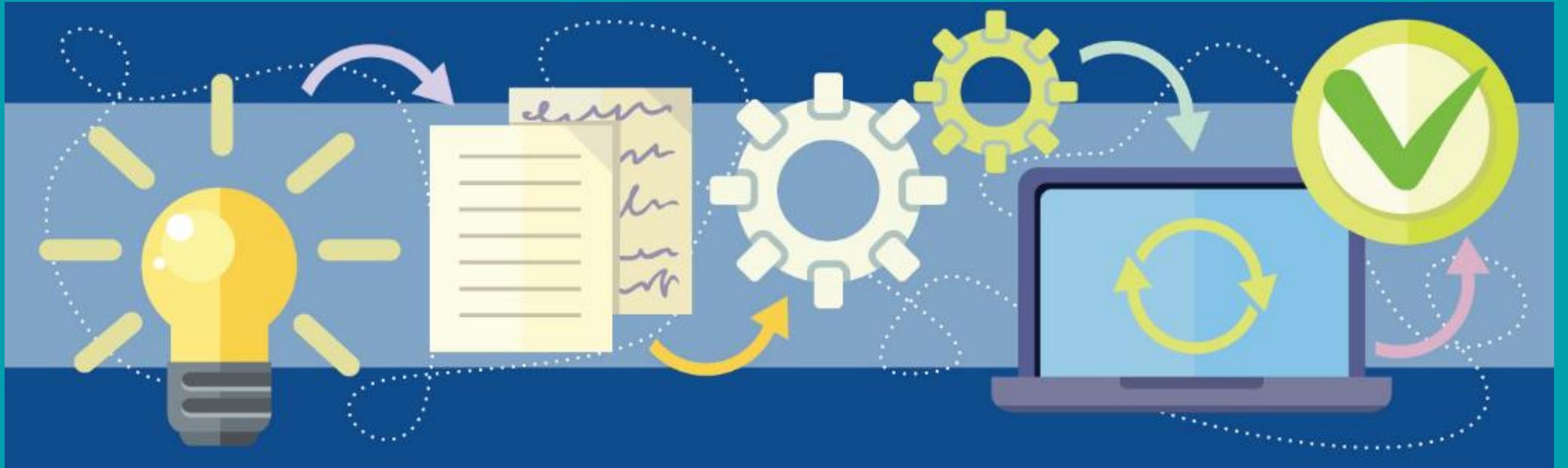
Quick Search

Specimen Id	Collected	Submitted	Received	Facility Name	Specimen Type	Status
EMRONC13	06/11/2018 09:00 ...	06/13/2018	01/01/0001	ABC CLINIC	Urine	InTransit
testw324	06/13/2018 08:36 ...	06/13/2018	01/01/0001	ABC CLINIC	Urine	InTransit
EMRONC12	06/10/2018 09:00 ...	06/12/2018	06/12/2018	ABC CLINIC	Urine	Released
EMRONC11	06/10/2018 09:00 ...	06/12/2018	06/12/2018	ABC CLINIC	Urine	Released
ANDREW069	06/12/2018 04:39 ...	06/12/2018	06/12/2018	ABC CLINIC	Urine	Released
EMRONC10	06/10/2018 09:00 ...	06/12/2018	06/12/2018	ABC CLINIC	Urine	Released
EMRONC09	06/07/2018 09:00 ...	06/12/2018	06/12/2018	ABC CLINIC	Oral Fluid	Released
EMRONC08	05/31/2018 09:00 ...	06/12/2018	06/12/2018	ABC CLINIC	Oral Fluid	Released
EMRONC06	06/06/2018 05:00 ...	06/12/2018	01/01/0001	ABC CLINIC	Urine	InTransit
EMRONC05	06/08/2018 05:00 ...	06/12/2018	06/12/2018	ABC CLINIC	Oral Fluid	Released
EMRONC004	06/05/2018 05:00 ...	06/12/2018	01/01/0001	ABC CLINIC	Oral Fluid	InTransit
EMRONC03	06/04/2018 05:00 ...	06/12/2018	01/01/0001	ABC CLINIC	Urine	InTransit
EMRONC02	06/03/2018 05:00 ...	06/12/2018	01/01/0001	MED PLUS SC	Oral Fluid	InTransit
EMRONC01	06/10/2018 05:00 ...	06/12/2018	01/01/0001	MED PLUS SC	Oral Fluid	InTransit
EMRORDER0004	06/04/2018 09:00 ...	06/11/2018	01/01/0001	MED PLUS SC	Oral Fluid	InTransit
EMRORDER0003	06/04/2018 09:00 ...	06/11/2018	06/11/2018	ADAPT PROGRAMS LLC ...	Oral Fluid	ReceivedInLat
EMRORDER0002	06/03/2018 09:00 ...	06/11/2018	01/01/0001	ABC CLINIC	Oral Fluid	InTransit
EMRONC07	06/03/2018 09:00 ...	06/12/2018	06/12/2018	ABC CLINIC	Oral Fluid	ReceivedInLat
SFTTEST009	01/17/2018 12:34 ...	01/16/2018	01/01/0001	ABC CLINIC	Urine	InTransit
123456780	04/24/2018 10:16 ...	05/08/2018	01/01/0001	ABC CLINIC	Urine	InTransit
111111114	04/25/2018 09:49 ...	05/01/2018	01/01/0001	ABC CLINIC	Urine	InTransit
test00201	04/18/2018 01:19 ...	04/19/2018	01/01/0001	ABC CLINIC	Urine	InTransit
test00017	04/18/2018 12:57 ...	04/18/2018	01/01/0001	ABC CLINIC	Urine	InTransit

EXPORT

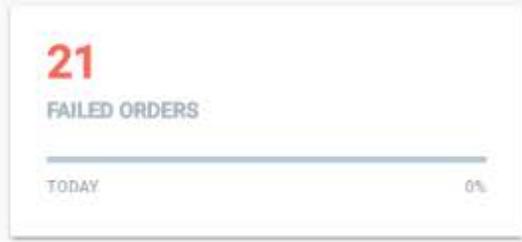
Rows per page: 25 1-25 of 29

Proof of Concept System Screens

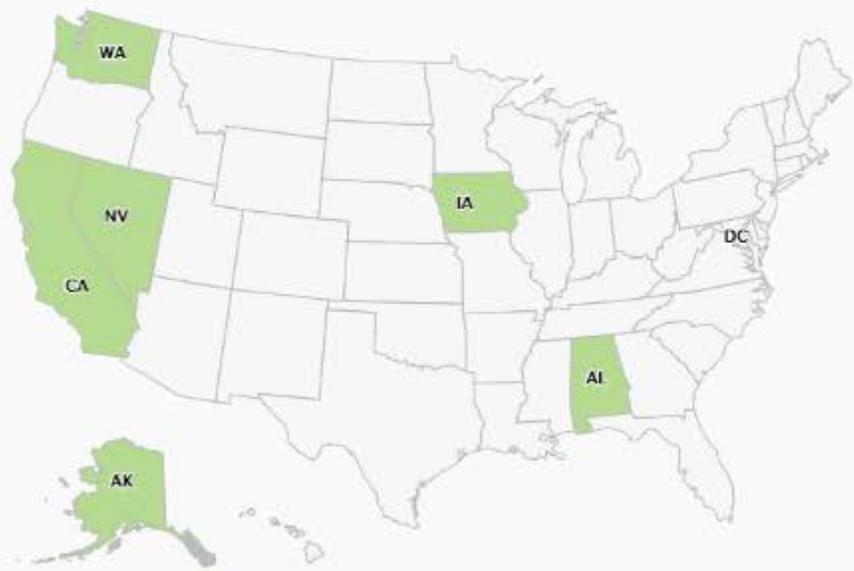


- Dashboard
- Failed Orders
- Incomplete Orders
- In Transit
- On Hold
- All Specimens
- Published Reports
- My Patients

- ORDER TESTS
- VIEW REPORTS



- CLINICS
- ORDERS
- PATIENTS
- OUTCOME



Specimens Grid

☰ All Specimens 913

⚙️ ANDREW SINYAVER

🔍 Quick Search

<input type="checkbox"/>		Specimen Id	Patient Name	Patient DOB	Collected	Submitted	Received	Facility Name	Specimen Type	Status	Trend	Outcome
<input type="checkbox"/>		EMRONC025	Duddupudi, Rajesh	01/01/1990	04/28/2018 09:00 pm	05/01/2018	05/01/2018	ABC CLINIC	Oral Fluid	ReceivedInLab		
<input type="checkbox"/>		2 ANDREW060	Cruz, Tom J	01/23/1961	05/01/2018 03:36 pm	05/01/2018	05/01/2018	ABC CLINIC	Urine	Released		NEGAT
<input type="checkbox"/>		ANDREW059	Cruz, Tom J	01/23/1961	05/01/2018 02:42 pm	05/01/2018	05/01/2018	ABC CLINIC	Urine	ReceivedInLab		
<input type="checkbox"/>		ANDREW058	Cruz, Tom J	01/23/1961	05/01/2018 10:14 am	05/01/2018	01/01/0001	ABC CLINIC	Urine	InTransit		
<input type="checkbox"/>		1 ANDREW058	Duddupudi, Rajesh	01/01/1990	05/01/2018 02:14 pm	05/01/2018	05/01/2018	ABC CLINIC	Urine	ReceivedInLab		
<input type="checkbox"/>		EMRONC999	Duddupudi, Rajesh	01/01/1990	04/27/2018 09:00 pm	05/01/2018	01/01/0001	ABC CLINIC	Oral Fluid	PendingReview		
<input type="checkbox"/>		2 EMRONC022	Duddupudi, Rajesh	01/01/1990	04/27/2018 09:00 pm	05/01/2018	05/01/2018	ABC CLINIC	Oral Fluid	Released		NEGAT
<input type="checkbox"/>		ANDREW057	Cruz, Tom J	01/23/1961	04/27/2018 11:35 am	05/01/2018	05/01/2018	ABC CLINIC	Urine	Released		NEGAT
<input type="checkbox"/>		ANDREW056	Cruz, Tom J	01/23/1961	04/27/2018 07:30 am	05/01/2018	01/01/0001	ABC CLINIC	Urine	PendingReview		
<input type="checkbox"/>		2 EMRONC021	Duddupudi, Rajesh	01/01/1990	04/23/2018 12:00 am	04/30/2018	01/01/0001	ABC CLINIC	Oral Fluid	Released		POSITIV
<input type="checkbox"/>		ANDREW055	Cruz, Tom J	01/23/1961	04/30/2018 09:57 pm	04/30/2018	01/01/0001	ABC CLINIC	Urine	Released		POSITIV
<input type="checkbox"/>		ANDREW054	Cruz, Tom J	01/23/1961	04/30/2018 09:39 pm	04/30/2018	01/01/0001	ABC CLINIC	Urine	ReceivedInLab		
<input type="checkbox"/>		ANDREW051	Cruz, Tom J	01/23/1961	04/30/2018 08:44 pm	04/30/2018	01/01/0001	ABC CLINIC	Urine	PendingReview		
<input type="checkbox"/>		EMRONC020	Duddupudi, Rajesh	01/01/1990	04/28/2018 12:00 am	04/30/2018	01/01/0001	ABC CLINIC	Oral Fluid	Released		POSITIV
<input type="checkbox"/>		EMRONC007	Duddupudi, Rajesh	01/01/1990	04/26/2018 09:00 pm	04/30/2018	01/01/0001	ABC CLINIC	Oral Fluid	InTransit		
<input type="checkbox"/>		EMRONC005	Duddupudi, Rajesh	01/01/1990	04/26/2018 09:00 pm	04/30/2018	04/30/2018	ABC CLINIC	Urine	ReceivedInLab		

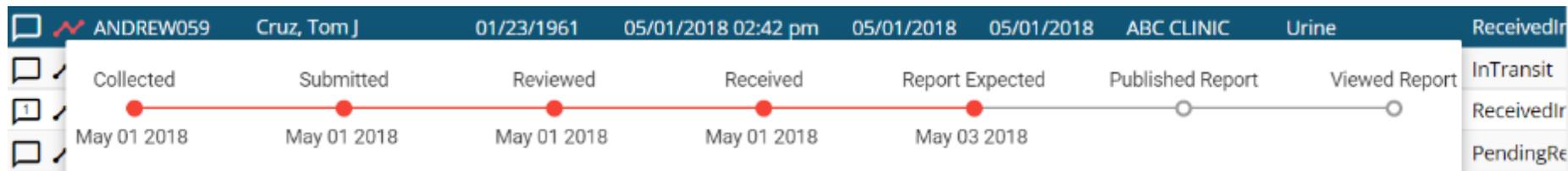
EXPORT

Rows per page: 25

1-25 of 913



Timeline displays key events in specimen life cycle



Commentary panel enables secure message exchange between clinics and laboratory



- A** Andrew Sinyaver
05/01/2018 11:43 am
answered all the AOE questions. let me know if anything else is needed
- T** Test User
05/01/2018 11:44 am
roger that

Test Ordering

≡ TRF

ANDREW SINYAVER

Specimen Id *

ONC110211

1 Physician Information

Physician Name *

DOE, JANE MD



Facility Name *

ABC CLINIC

2 Patient Information

Last Name *

Cruz



First Name

Tom

Middle Initial

J

Birth Date

01/23/1961

Gender

Male

Address

Address (2nd line)

City

Philadelphia

State

PA

Zip

23121

Billing Method *

Insured Self-Pay Uninsured

AOE Questions based on program/test

Answer few questions.

Is patient pregnant? *

Yes No

Date of Exposure?

06/06/2018



Symptoms (select all that apply):

Cough

Fever

Chills

CANCEL

SUBMIT

EPI Review screen

modified CANCEL SUBMIT

		Specimen Id	Patient Name	Patient DOB	Collected	Submitted	Facility Name	Epi Program Name	Priority	Review	Specimen Type
]	 	testbb555	WHYNOT, TIM	11/12/1975	06/13/2018 09:12 am	06/13/2018 01:13 am	ABC CLINIC	Zika	High	▼ Approved	▼ Urine
]	 	test3424o	Vera, Oscar	10/02/1976	06/12/2018 12:43 pm	06/12/2018 04:44 am	ABC CLINIC	Zika		▼	▼ Urine
]	 	ANDREW067	Wayne, John	10/16/1917	06/12/2018 12:35 pm	06/12/2018 04:38 am	ABC CLINIC	FLU	Low	▼ Rejected	▼ Urine
]	 	test342pp	WHYNOT, TIM	11/12/1975	06/12/2018 06:37 am	06/12/2018 04:37 am	ABC CLINIC	Zika		▼	▼ Urine

Published Patient Reports

Quick Search

<input type="checkbox"/>	SpecimenId	LimsAccessionId	PatientName	PatientDateOfBirth	DateCollected	DateReceived	Outcome
<input type="checkbox"/>	OIDPR180001260	170700048	pregnancy, nancy	10/10/2010	07/27/2017 11:12 am	07/27/2017 11:12 am	POSITIVE
<input type="checkbox"/>	OIDPR180001259	170700046	pregnancy, nancy	10/10/2010	07/26/2017 01:31 pm	07/26/2017 01:31 pm	POSITIVE
<input type="checkbox"/>	OIDPR180001256	170700042	pregnancy, nancy	10/10/2010	07/20/2017 01:56 pm	07/20/2017 01:56 pm	POSITIVE
<input type="checkbox"/>	OIDPR180001255	170700041	pregnancy, nancy	10/10/2010	07/20/2017 01:38 pm	07/20/2017 01:38 pm	POSITIVE
<input type="checkbox"/>	OIDPR180001235	170700017	pregnancy, nancy	10/10/2010	07/06/2017 07:58 am	07/06/2017 07:58 am	
<input type="checkbox"/>	OIDPR180001233	170700012	pregnancy, nancy	10/10/2010	07/01/2017 12:00 am	07/05/2017 10:04 am	POSITIVE
<input type="checkbox"/>	OIDPR180001232	170700011	pregnancy, nancy	10/10/2010	07/01/2017 12:00 am	07/05/2017 09:17 am	POSITIVE
<input type="checkbox"/>	OIDPR180001231	170700010	pregnancy, nancy	10/10/2010	07/01/2017 12:00 am	07/05/2017 09:11 am	POSITIVE
<input type="checkbox"/>	OIDPR180001230	170700009	pregnancy, nancy	10/10/2010	07/01/2017 12:00 am	07/05/2017 09:07 am	POSITIVE
<input type="checkbox"/>	OIDPR180001229	170700008	pregnancy, nancy	10/10/2010	07/01/2017 12:00 am	07/05/2017 09:02 am	POSITIVE
<input type="checkbox"/>	OIDPR180001228	170700007	pregnancy, nancy	10/10/2010	07/05/2017 08:54 am	07/05/2017 08:54 am	POSITIVE
<input type="checkbox"/>	OIDPR180001227	170700006	pregnancy, nancy	10/10/2010	07/01/2017 12:00 am	07/05/2017 08:50 am	POSITIVE
<input type="checkbox"/>	OIDPR180001218	170600127	GORDON, FLASH	11/12/1941	06/19/2017 11:50 am	06/27/2017 10:04 am	NEGATIVE
<input type="checkbox"/>	OIDPR180001216	170600124	GORDON, FLASH	11/12/1941	06/19/2017 11:50 am	06/27/2017 07:36 am	POSITIVE
<input type="checkbox"/>	OIDPR180001212	170600118	GORDON, FLASH	11/12/1941	06/19/2017 11:50 am	06/26/2017 03:09 pm	NEGATIVE
<input type="checkbox"/>	OIDPR180001211	170600116	GORDON, FLASH	11/12/1941	06/19/2017 11:50 am	06/26/2017 02:44 pm	POSITIVE
<input type="checkbox"/>	OIDPR180001209	170600113	GORDON, FLASH	11/12/1941	06/19/2017 11:50 am	06/23/2017 10:28 am	NEGATIVE

EXPORT

Rows per page: 25 26-50 of 103

Send to Physician

If you would like to share this patient report with another physician, please enter his or her email address below. Please note that you are responsible for verifying that the receiver has appropriate rights to see this patient's PHI. This email is not encrypted.

Subject

patient report

(optional)

Emails *

3rd_party_physician@abchospital.com

Message

please take a look at the attached report

(optional)

CLOSE

SUBMIT

User Support

≡ Help

ANDREW SINYAVER

Resources

CONTACT US

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Brisbane, CA 94005

Documents

[AlloMap](#)

[Draw site locator](#)

[Quick Guide](#)

[Quick guide example](#)

Frequently Asked Questions

Quick Search

How do I submit a test order? 

Go to Dashboard and click on "Click to Order" tile to open electronic Test Requisition Form.

How do I track my test order? 

How to view published lab report? 

How to view submitted order? 

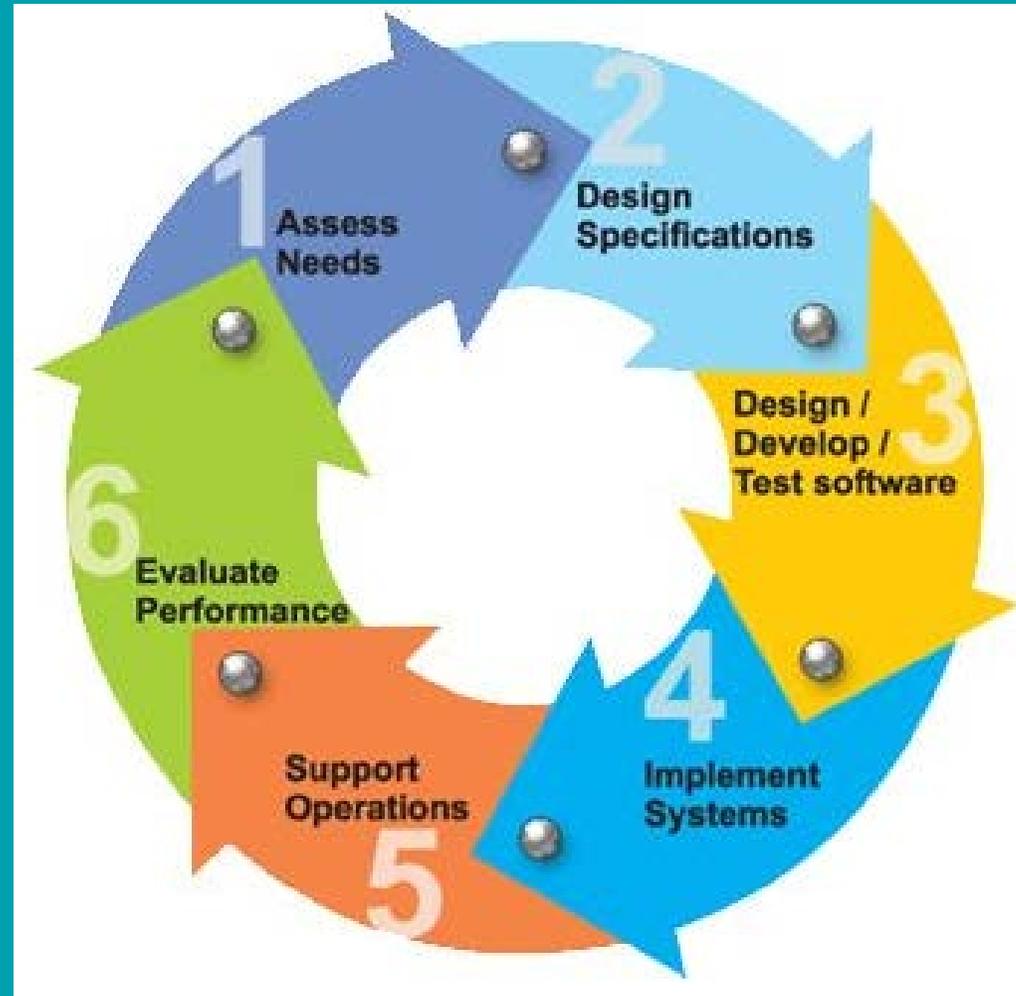
EMR to ETOR to LIMS integration

Patient: Jimmy Cricket (PIDON180000174) + Open Encounter: None
DOB: 1976-08-10 Age: 41

LIMS Order LIMS History

Order ID	Specimen ID	Facility	Physician	Date Collected	Results
1	EMRONC02	MED PLUS SC	BURRESS, KELLI FNP	2018-06-04 00:00:00	Not Available
2	EMRONC03	ABC CLINIC	DOE, JOHN MD	2018-06-05 00:00:00	Not Available
3	EMRONC004	ABC CLINIC	DOE, JOHN MD	2018-06-06 00:00:00	Not Available
4	EMRONC05	ABC CLINIC	DOE, JOHN MD	2018-06-09 00:00:00	Download
5	EMRONC06	ABC CLINIC	DOE, JOHN MD	2018-06-07 00:00:00	Not Available
6	EMRONC07	ABC CLINIC	DOE, JOHN MD	2018-06-04 00:00:00	Not Available
7	EMRONC08	ABC CLINIC	DOE, JOHN MD	2018-06-01 00:00:00	Download
8	EMRONC09	ABC CLINIC	DOE, JOHN MD	2018-06-08 00:00:00	Download
9	EMRONC10	ABC CLINIC	DOE, JOHN MD	2018-06-11 00:00:00	Download
10	EMRONC11	ABC CLINIC	DOE, JOHN MD	2018-06-11 00:00:00	Download
11	EMRONC12	ABC CLINIC	DOE, JOHN MD	2018-06-11 00:00:00	Download
12	EMRONC13	ABC CLINIC	DOE, JOHN MD	2018-06-12 00:00:00	Not Available

What's Next?



Continued system evolution & deployment

Implementation of Enhanced Epi Functionality:

Use Case: *ARLN: CRE Colonization*

Objective: *Interrupt AMR Transmission*



DETECT

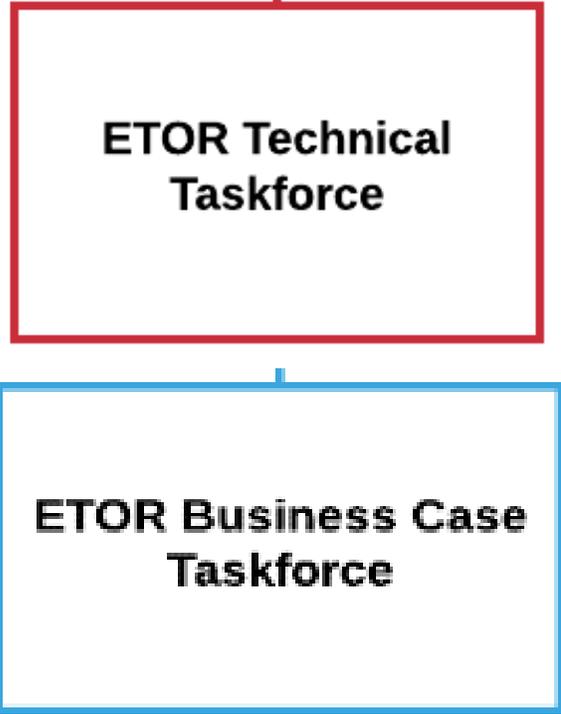


REPORT



48 Hours

Engage and Collaborate

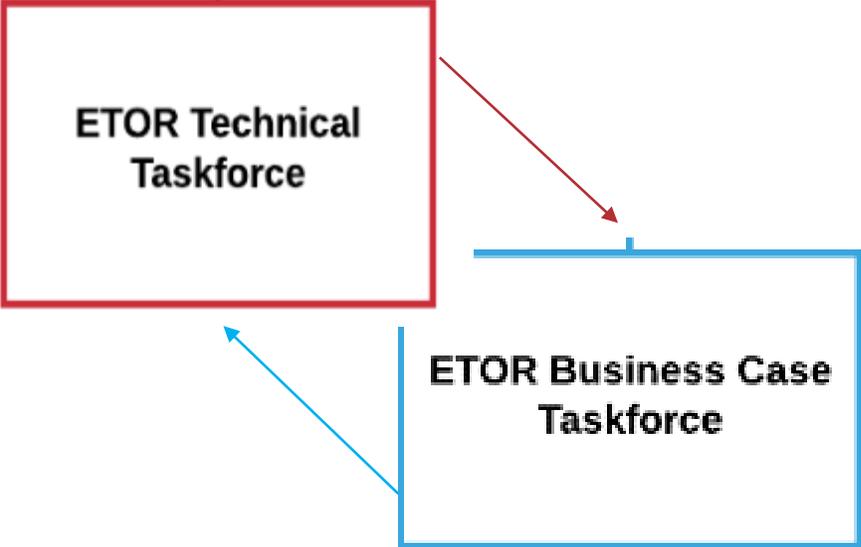


**ETOR Technical
Taskforce**

**ETOR Business Case
Taskforce**

- Complex initiative- needed to expand membership beyond PHLs
- Technical, business and operational components
- Meeting the needs of the project sponsors and PH stakeholders
- APHL technical efforts come into play
 - AIMS/member services
 - Cloud Computing options

Identify operational/institutional topics for BC taskforce to consider



Look at an all-hazards approach-

How can we better leverage the community to:

- ✓ **Define and evolve common solutions to support both clinical and public health ETOR**
- ✓ **Identify the ETOR business case/operational drivers**

Thank You!

Questions?



Analysis. Answers. Action.

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