

# LAB Interoperability HUB

Bringing Orders and Results into your EMR



**LAB Interoperability HUB** from **ViSolve** is an integration platform that enables physicians and staff to place orders and review results and images right from their EMR.

It improves workflow by virtually eliminating test codes errors, routing orders to different labs, receiving results and images directly in the physician's EHR for a complete patient profile, and helping track rejections and order status.

**LAB Interoperability HUB** not only brings down cost but saves time helping physicians spend more time on care and deliver improved patient outcome.

For Clinicians

## Challenge

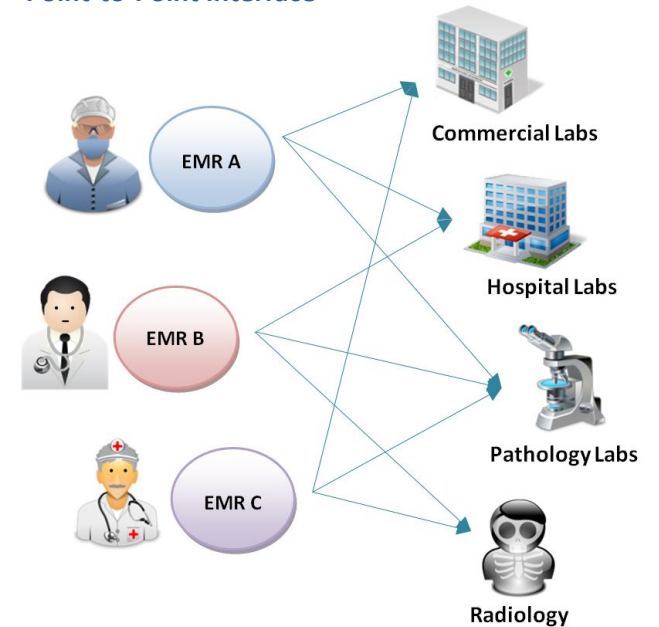
One of the critical challenges faced by Physicians today, blame it on Meaningful Use requirement, is sending Lab Orders electronically.

Physicians who have adopted Electronic Medical Records (EMR) find that connecting their EMR(s) with disparate Lab Information Systems (LIS) for electronic transfer of orders require customized point-to-point interfaces for each system, which mounts the challenge.

The interface development/ implementation cost, effort, time and training costs not just eats into physician's budget but prolongs effective patient care.

Other perceptive issues include factors that determine routing of orders to different Labs such as Physician preferences, insurance and specialty to name a few. The mapping of test codes, methodologies used among different lab providers adds to the concern.

## Point-to-Point Interface

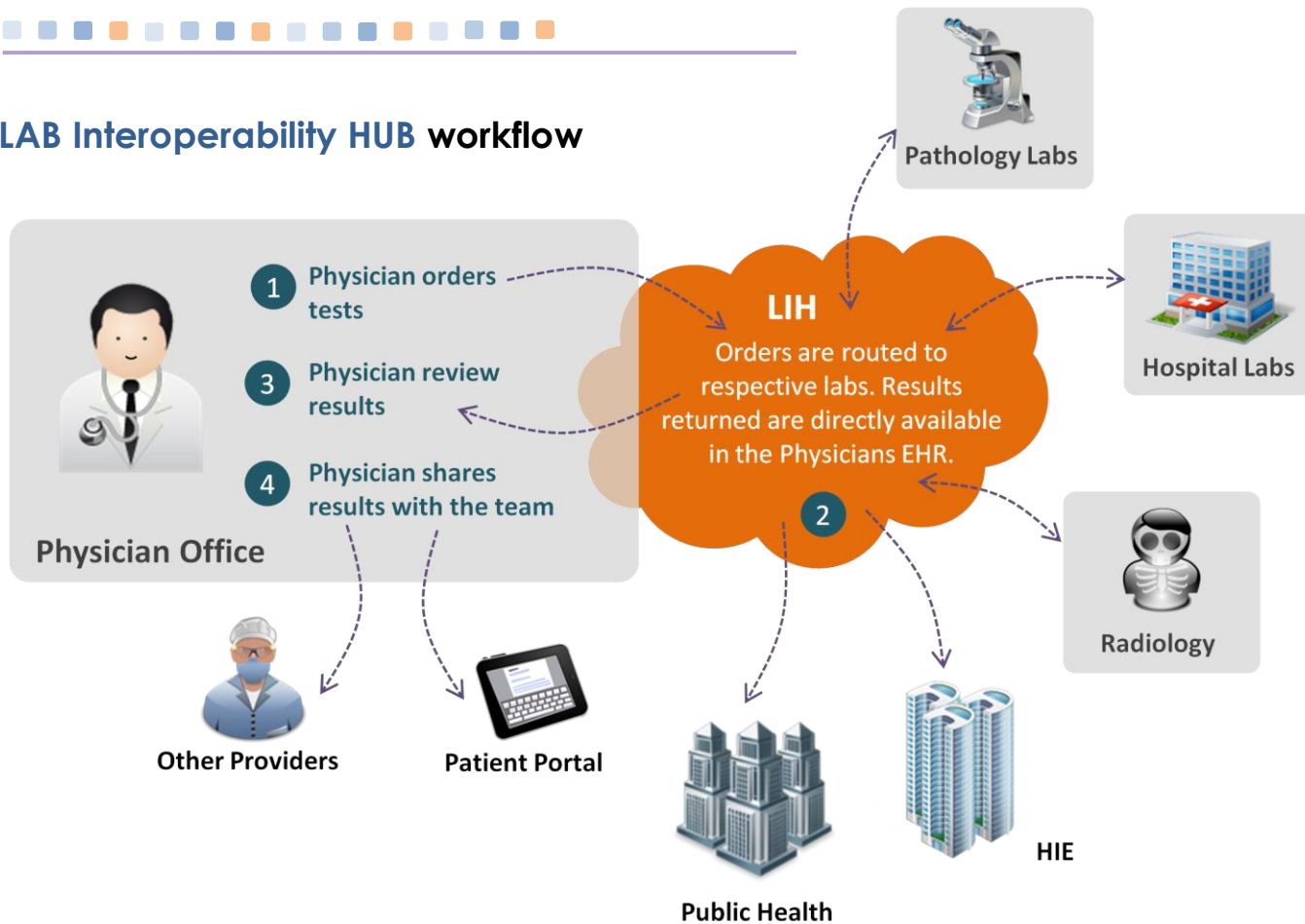


## Solution

**ViSolve**, in an effort to address this challenge and to be a part of building a better health system, developed the **Lab Interoperability Hub (LIH)** – a standardized interface engine, gateway and a clearing-house that enables seamless connectivity between Clinicians and Labs. LIH breaks the norm of building point-to-interfaces and provides a **single bi-directional interface** to connect all capable systems to exchange patient information.



## LAB Interoperability HUB workflow



### 1. Physician orders tests

Physician orders tests from his EMR, which LIH converts to HL7 standards, validates, and electronically and securely routes to labs and imaging centers.

### 2. Orders routed to respective labs, results returned to physicians EMR

Orders are routed to respective labs or imaging centers based on physician preference or insurance rules. Results returned from the lab are automatically indexed with the patient profile in the physician's EMR.

### 3. Physician reviews results

Standardized tests results are available in the physicians EMR against respective patient's record for review.

### 4. Physician shares results with team

For improved patient care, physician can securely forward lab results to other providers. Results can also be made available for patients through the patient portal.

## LIH Key Benefits

- Send Lab Orders electronically and satisfy Meaningful Use Stage 2 CPOE requirements
- Send orders to multiple labs with a single bi-directional interface – Save significantly on integration / implementation & training cost, effort and time
- Eliminate test code errors (LOINC Mapping) and add value to your EHR with Order Tracking among other functionalities
- Clinicians who aren't yet on a EMR can use the LIH portal for ordering and reviewing results
- Securely, efficiently and effectively exchange patient information in standardized form to all those involved in the healthcare continuum

## About ViSolve

ViSolve is a leading **software services, product development** and **consulting** firm committed to serve Healthcare providers and Healthcare IT Vendors by providing customized interoperable and vendor neutral healthcare IT solutions and services. Our services span from customized EMR/EHR services, Interoperability services, Meaningful Use consulting, Identity Access Management and Cloud based on leading-edge technologies and Open Source solutions with 7x24 Support.



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