

eHealth: Solutions to Transform Care Delivery



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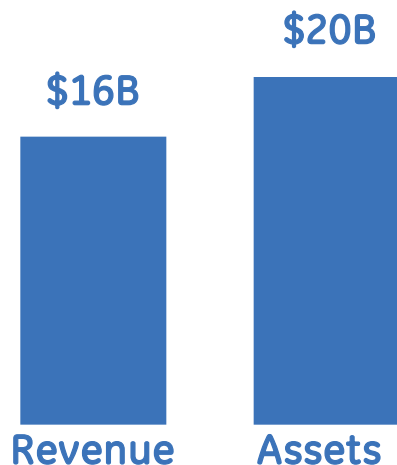
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Presentation Overview

1. GE and healthcare
2. Understanding healthcare challenges
3. How can eHealth help solve challenges?
4. GE solutions for eHealth

GE lives in the healthcare domain

A strong business



- ✓ A global leader in diagnostics
- ✓ In business since 1915
- ✓ Major exporter

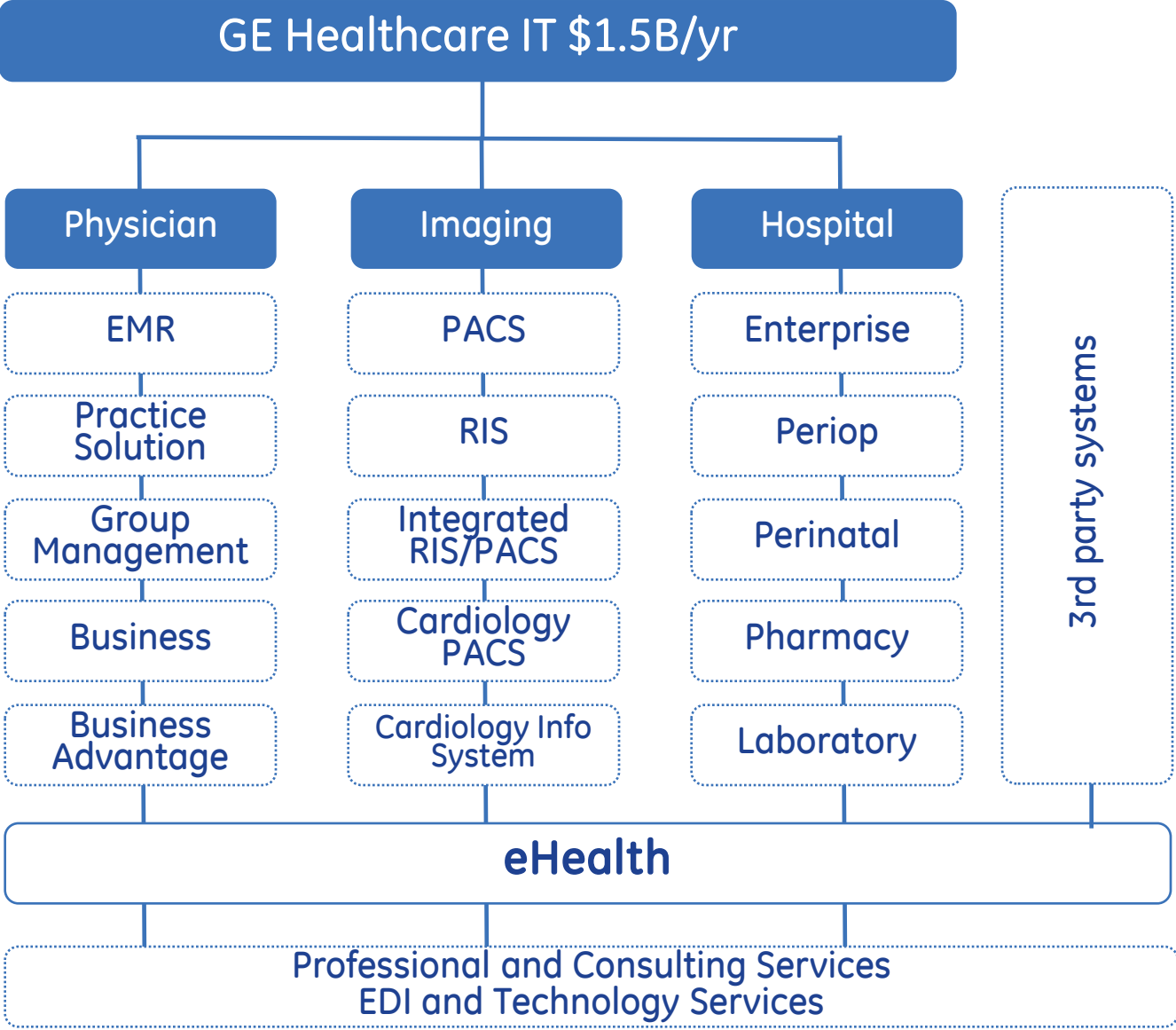
A big payer



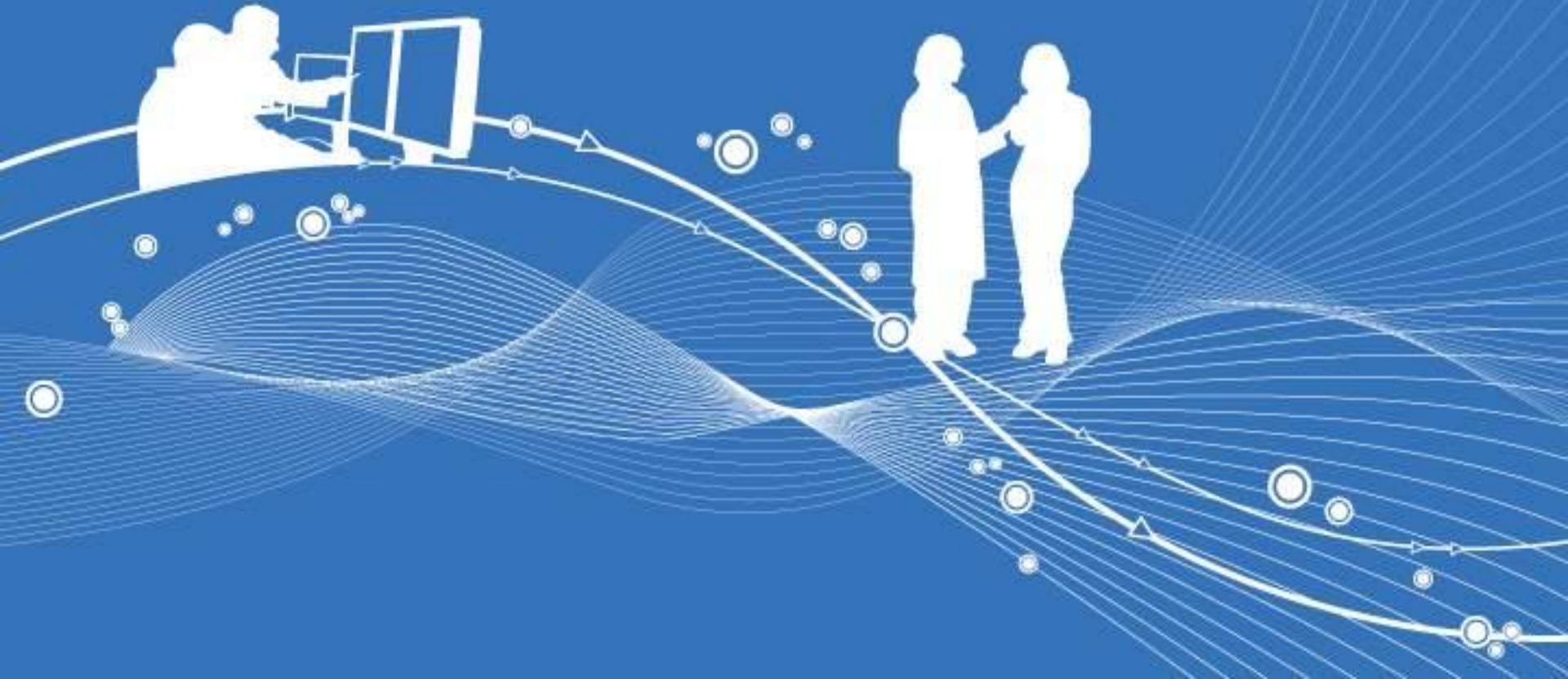
- ✓ 600,000 covered lives in U.S.
- ✓ 170 healthcare clinics
- ✓ Leapfrog founder



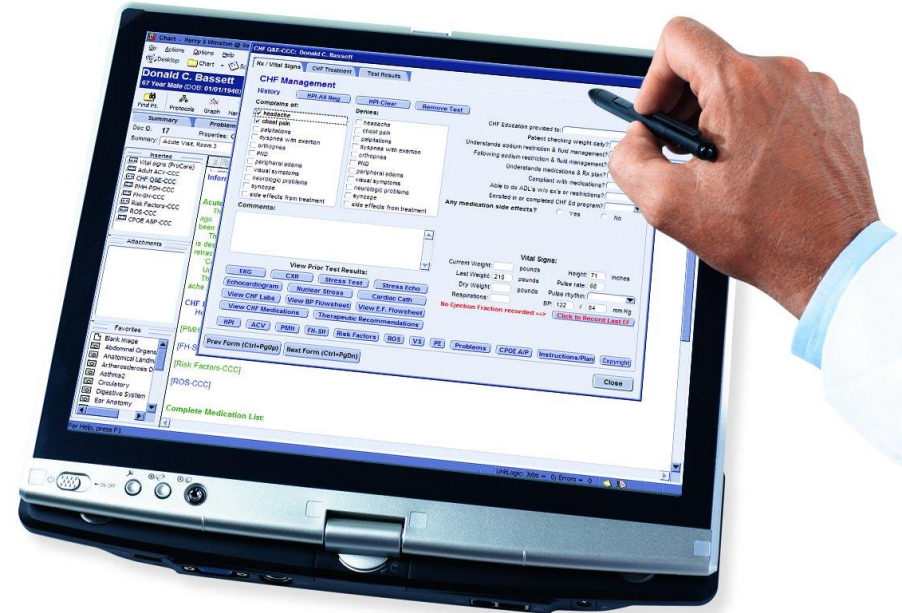
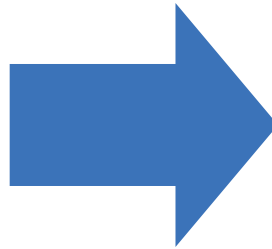
GE Healthcare IT - a global IT leader



Understanding challenges in healthcare



Digitizing healthcare

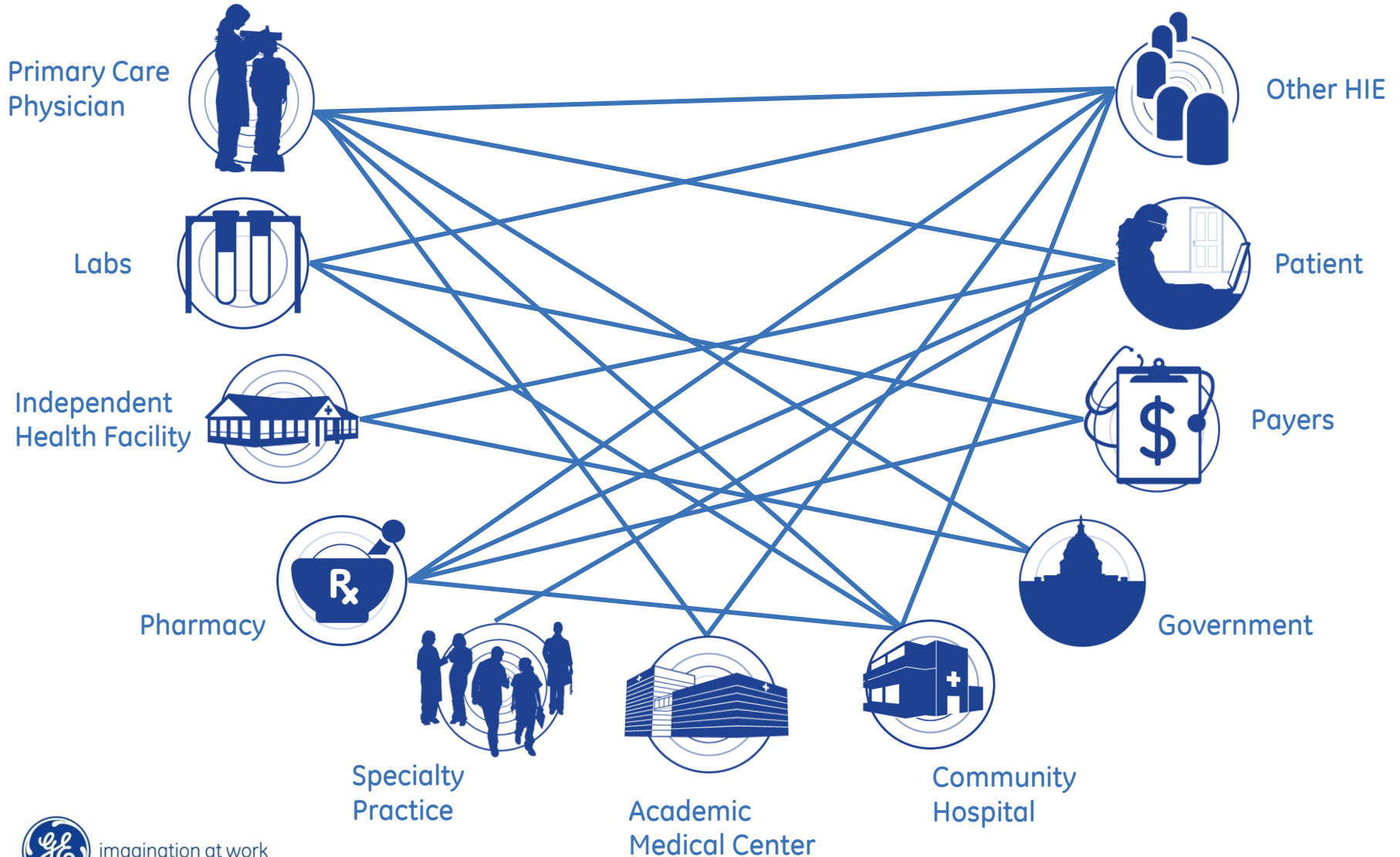


Healthcare IT makes information accessible and actionable for the patient and provider.

Legacy - heterogeneous, disconnected silos



Move beyond point to point



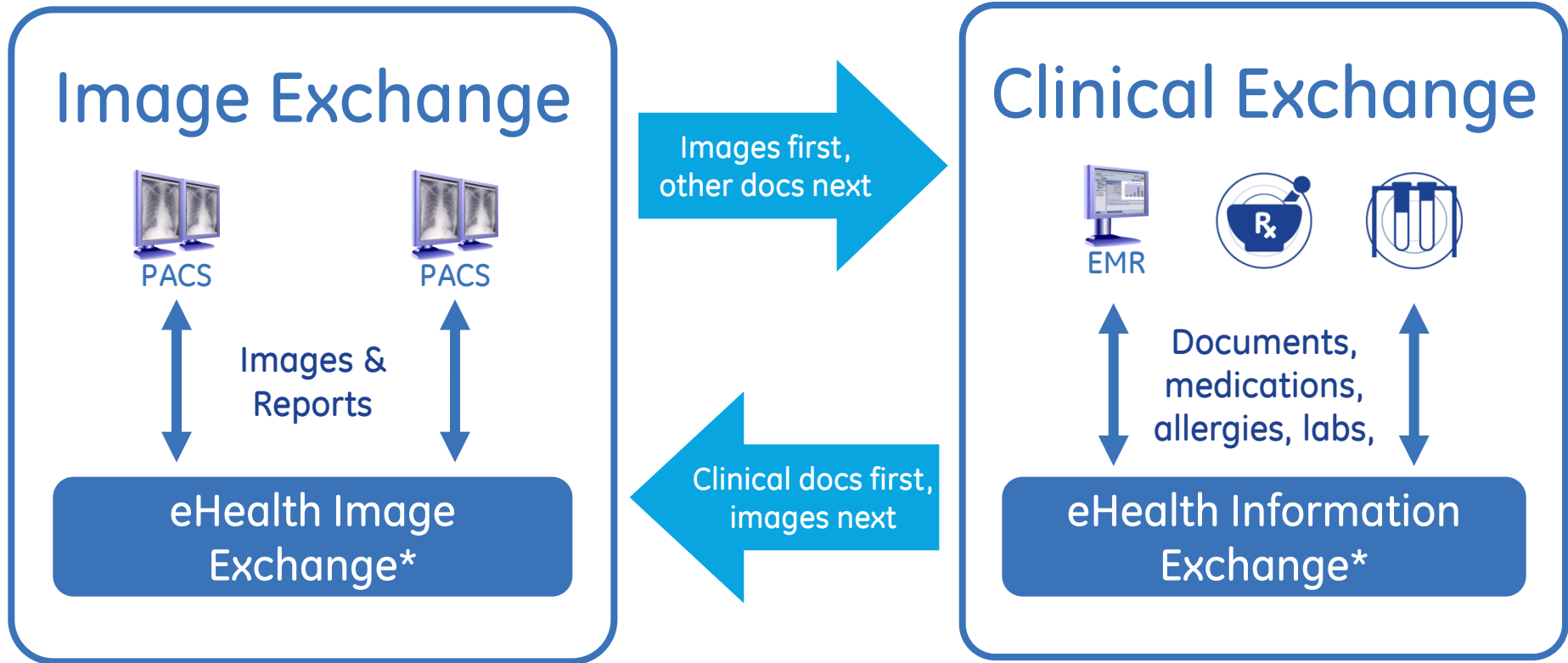
Next - connected healthcare communities



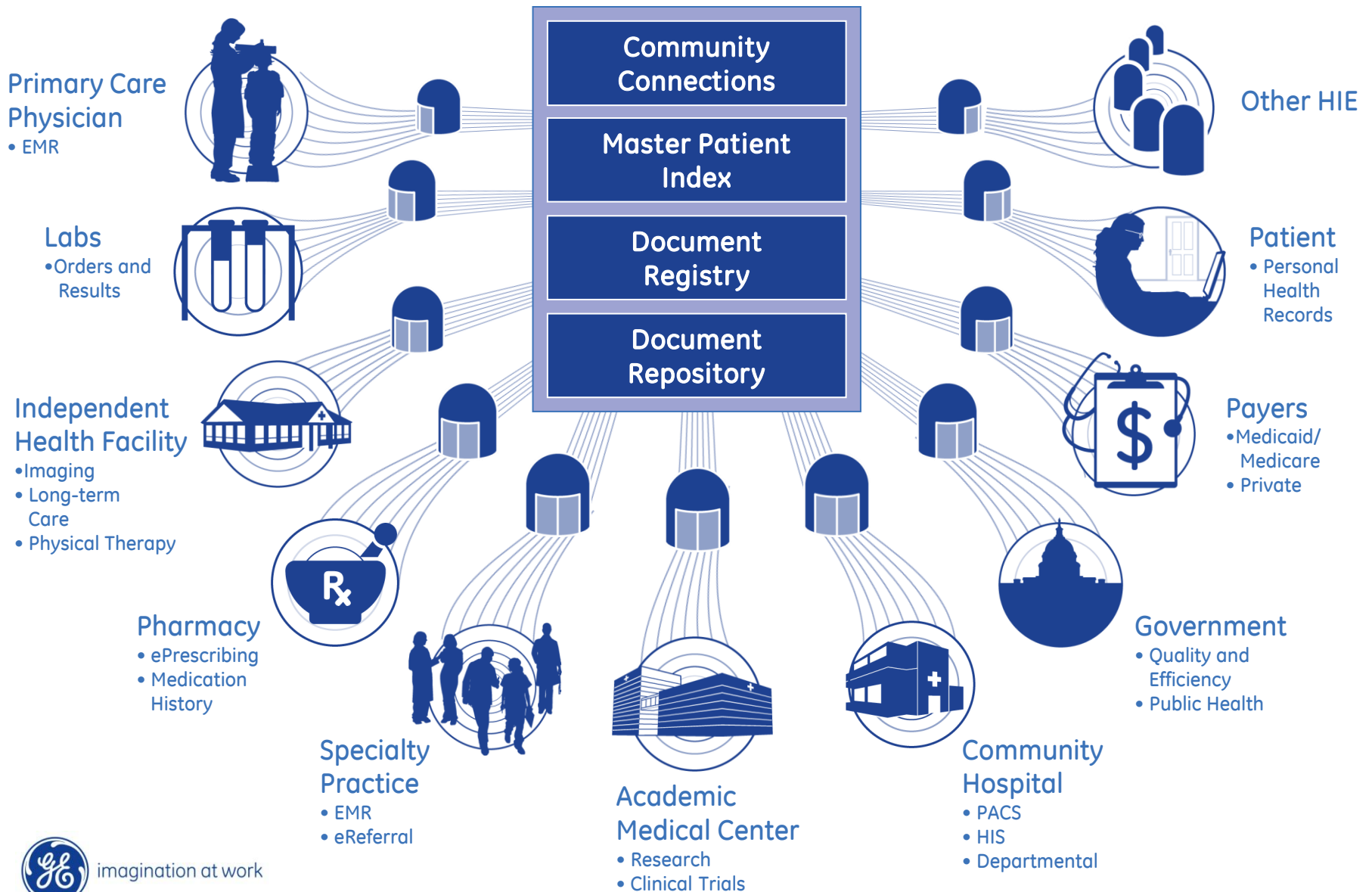
GE eHealth



Two paths towards eHealth

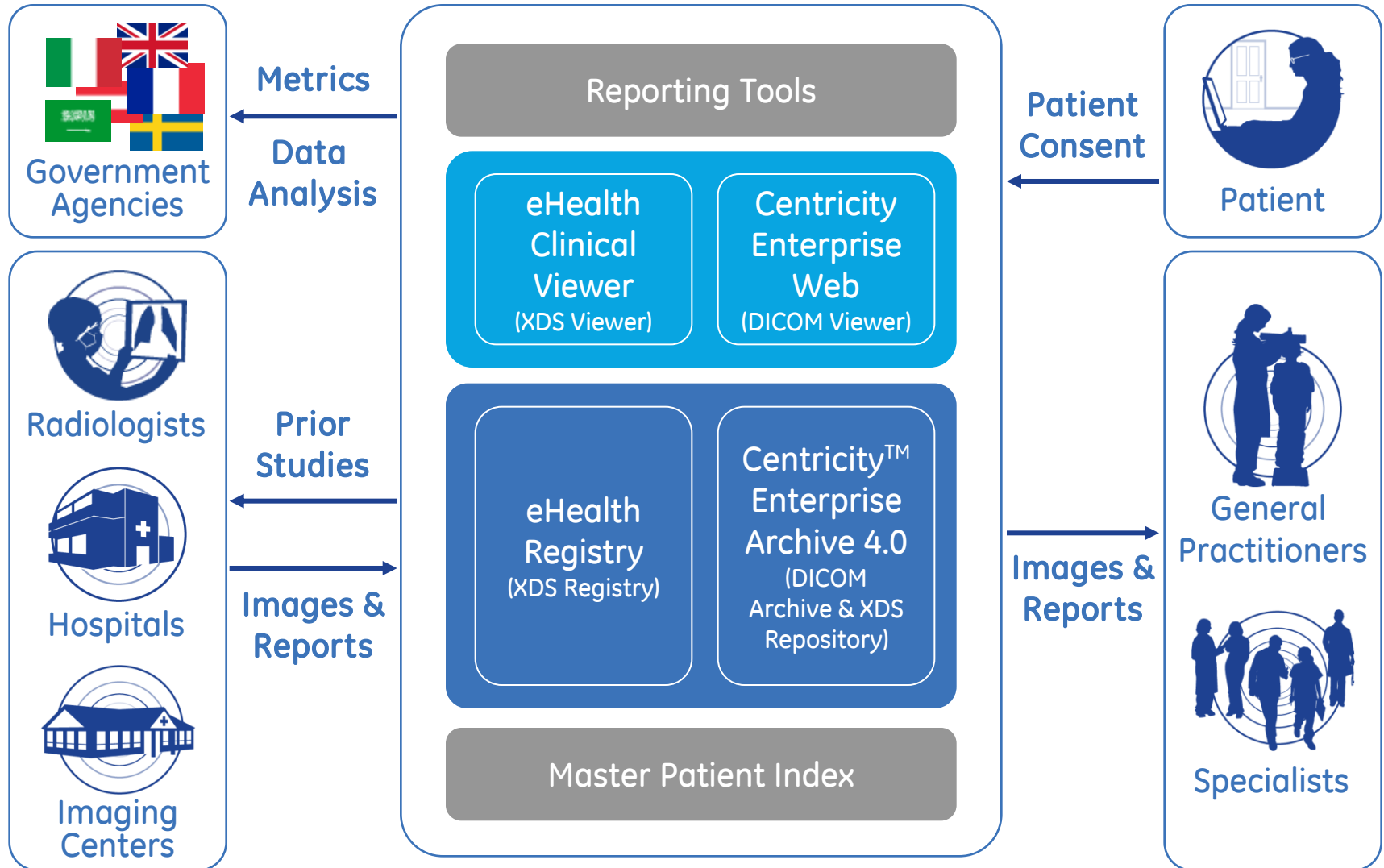


eHealth Information Exchange



eHealth Image Exchange

The best of imaging IT and HIE



standards-based solution connects heterogeneous systems

eHealth Community Desktop

A web-based clinical portal that enables collaborative care across a community of clinicians without EMRs

- ✓ Widen community access with an easy, browser-based user interface
- ✓ Enable care teams, including case managers, to facilitate care coordination
- ✓ Bring various in-house applications together in one place
- ✓ Extend your HIE investment over time with add-on workflow and performance apps
- ✓ Increase HIE use with flexible screen layouts to match your look-and-feel

The screenshot displays the eHealth Community Desktop interface for a patient named Leila Mrs. Watts, 51 years old female. The interface is organized into several sections:

- Summary:** Patient name, age, gender, contact info (email: leilawatts@comcast.net, phone: (503) 555-1234), insurance (Consolidated Health Care), and lifestyle notes (Lives at home with her husband, Has private insurance, Smoker: Moderate drinker).
- Problems:** A table listing medical conditions with their ICD-9 codes, status, and dates.

DESCRIPTION (ICD-9)	STATUS	DATE
Non-insulin dependent Diabetes... (ICD-250.0)	Active	3/15/2010
Essential Hypertension, Ben... (ICD-981.1)	Active	3/15/2010
Hypertension (ICD-972.0)	Active	3/15/2010
Diabetic foot ulcer, left great toe (ICD-250.80)	Active	3/15/2010
Anxiety depression (ICD-300.4)	Inactive	3/15/2010
- Medications:** A table listing medications with their names, instructions, and last dates.

NAME	INSTRUCTIONS	LAST Rx
Metformin	500mg by mouth once daily	3/13/2010
Glyburide	5mg by mouth once daily	3/13/2010
Nitroglycerin	25mg by mouth twice daily	3/19/2010
Lisinopril	10mg by mouth once daily	3/19/2010
Lipitor	10mg by mouth once daily (at hour of sleep)	3/19/2010
- Allergies:** A table listing allergies with their descriptions, types, reactions, and dates.

DESCRIPTION	TYPE	REACTION	DATE
Penicillin	Drug	Hives	3/19/2010
Sulfas	Drug	Swelling	3/15/2010
IV Contrast Dye	Drug	Swelling, Hives	3/19/2010
- Medical History:** A table listing medical history with descriptions, types, and dates.

DESCRIPTION	TYPE	DATE
Wound debridement of left great toe	Surgical	4/7/2010
MDDP	Medical	since May 2008
Hypertension	Medical	since December 2000
High Cholesterol	Medical	since May 2008
Generalized Anxiety	Medical	since December 2008
- Vital Signs/Measurements:** A table listing vital signs and measurements over time.

DATE	TEMP (F)	PULSE	RESPIRATION	BLOOD PRESSURE	WEIGHT	HEIGHT	BMI
4/17/2010	98.8°	84	12	142/88	181	65" (1' 7")	31.1
4/5/2010	98.8°	84	12	142/88	181	65" (1' 7")	31.1
3/16/2010	98.9°	82	13	138/86	180	65" (1' 7")	30.6
12/20/2009	97.7°	88	13	146/90	181	65" (1' 7")	31.2
6/9/2009	98.3°	90	14	141/90	181	65" (1' 7")	31.2
4/19/2009	98.8°	84	12	142/88	181	65" (1' 7")	31.1

Workflow Apps

Workflow apps can be added to the eHealth Community Desktop to customize workflows and enable care coordination and improved efficiency.

These apps drive productivity gains by leveraging HIE data to streamline care delivery and avoid unnecessary wait times.

Workflow Apps

solutions to enable more productive and effective workflows

Document
Manager

History
Dashboard

Collaborative
Charting

Labs
Dashboard

Secure Inbox



Knowledge Apps

Knowledge apps can be added to the eHealth Community Desktop to deliver new insight and decision support based on aggregated data in the health information exchange.

With this insight, performance apps can help improve quality.

Knowledge Apps

advanced capabilities for enhancing insight and reporting

Quality
Benchmarking

Referrals
Manager

Decision
Support

Disease
Manager

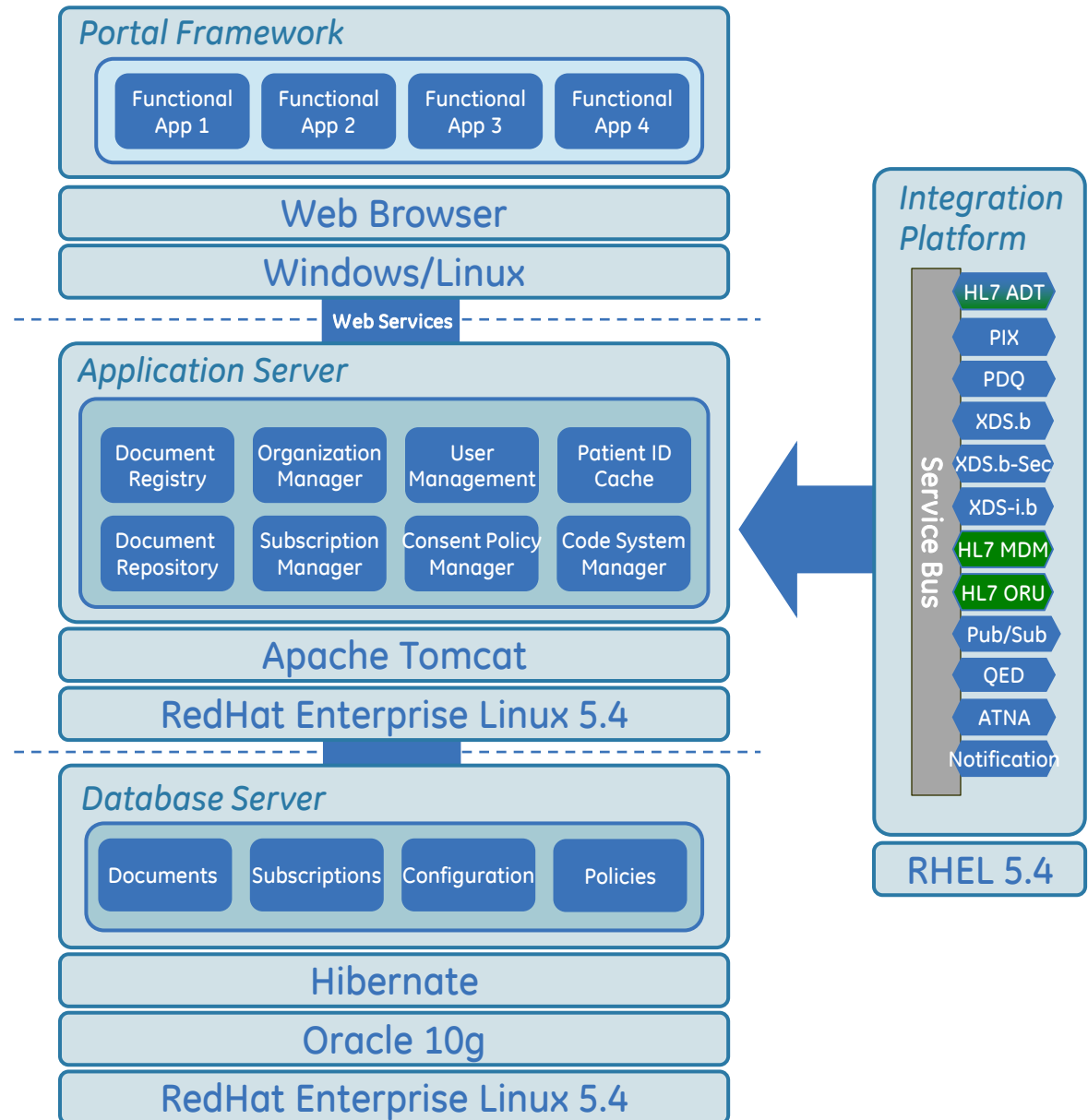
Surveillance

eHealth Solutions Architecture

A standards-based solution built for optimized connectivity and collaboration

Key Tenants:

- ✓ Open
- ✓ Extensible
- ✓ Scalable
- ✓ Customizable
- ✓ Proven

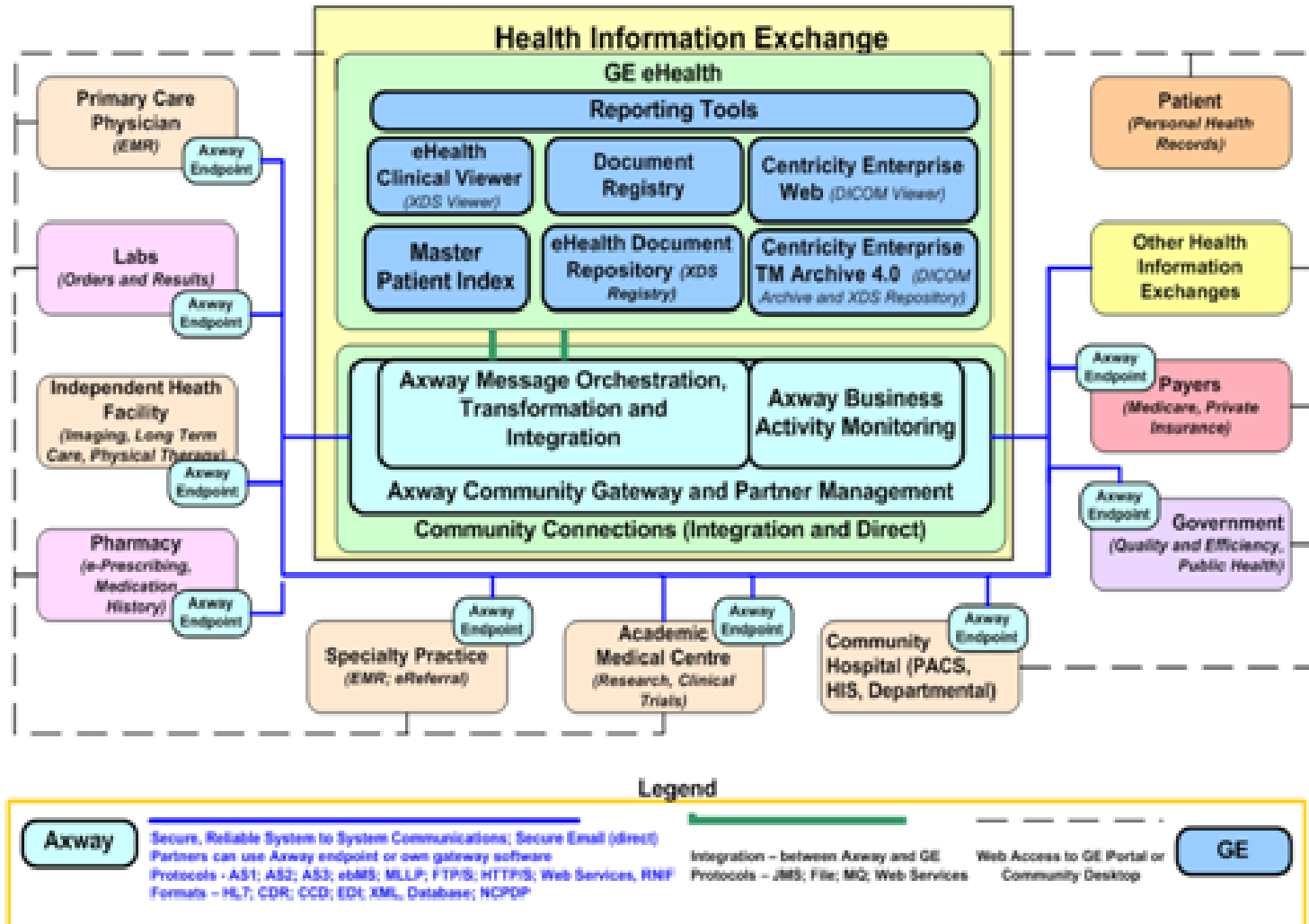


GE & Away win Connecticut HIE

- **Axway and GE - Best of Breed HIE Solution**
- **Away**
 - Prime for project and provides
 - DIRECT (Secure Email Messaging)
 - Community Management (Ramping users onto the HIE)
 - B2B gateway (Connectivity – web services, ITI transactions)
 - End-point technology (Spoke for automated movement of messages from providers/hospitals/clinics)
 - Transformation (HL7 mapping, any to any transformation, XML)
- **GE provides**
 - XDS Repository and Registry
 - Provider and EMPI indexes
 - Clinical Desktop Portal (view clinical data)

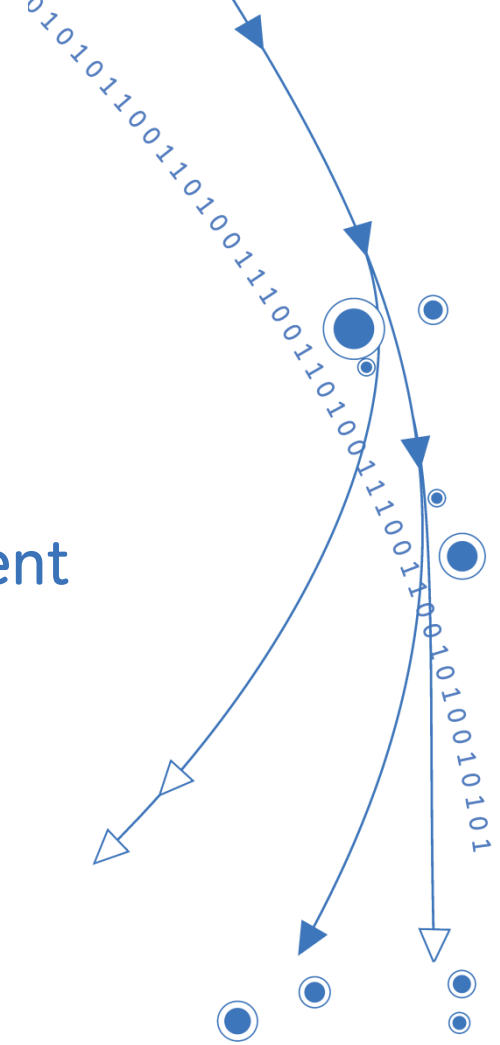
GE & Axway

GE eHealth and Axway Health Information Exchange Architecture



Your partner for eHealth

- ✓ Empower physicians with better intelligence
- ✓ Proactively manage chronic diseases
- ✓ Grow revenues with better referral management
- ✓ Improve productivity with digital workflows
- ✓ Engage patients in the continuum of care
- ✓ Build on your existing investments
- ✓ Capture the value of eHealth



Proven Healthcare Experience