

The Rome Challenge Grant, the Jobs Accelerator Project & Health IT Cluster Development in Georgia

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health@GT

Georgia
Tech 

Rome Challenge Grant Participants

- Georgia Department of Community Health
- Floyd Medical Center
- Harbin Clinic
- Redmond Regional Medical Center
- Georgia Institute of Technology

Project Goals

- To securely provide patient access to her/his health information
- To provide secure, authenticated bi-directional communication to and from patient and provider
- To allow for individual health data to be sent to patient-selected PHR and that allows for patient-directed future use/transmission of data to that PHR

Project Plan

- Analyze and research
- Design and develop
- Execute
- Evaluate

Analyze and Research

- Conduct user-centered research
 - Providers
 - Patients and caregivers
 - Navigators
- Evaluate existing clinical workflows
- Define and evaluate current IT infrastructure
- Analyze current ER and hospital utilization

Design and Develop

- Develop marketing campaign strategy
- Develop training and education modules
- Develop clinical workflow redesign
- Develop information packets
- Design technology framework
 - Direct
 - GA HIE HISP (Medicity)
 - Athena
 - Cerner
 - Meditech
 - Microsoft HealthVault
 - Dossia
 - I3L
 - ONC S & I ToC

Execute

- Technology
- Training and education
- Marketing campaign
- Dissemination plan

Evaluate

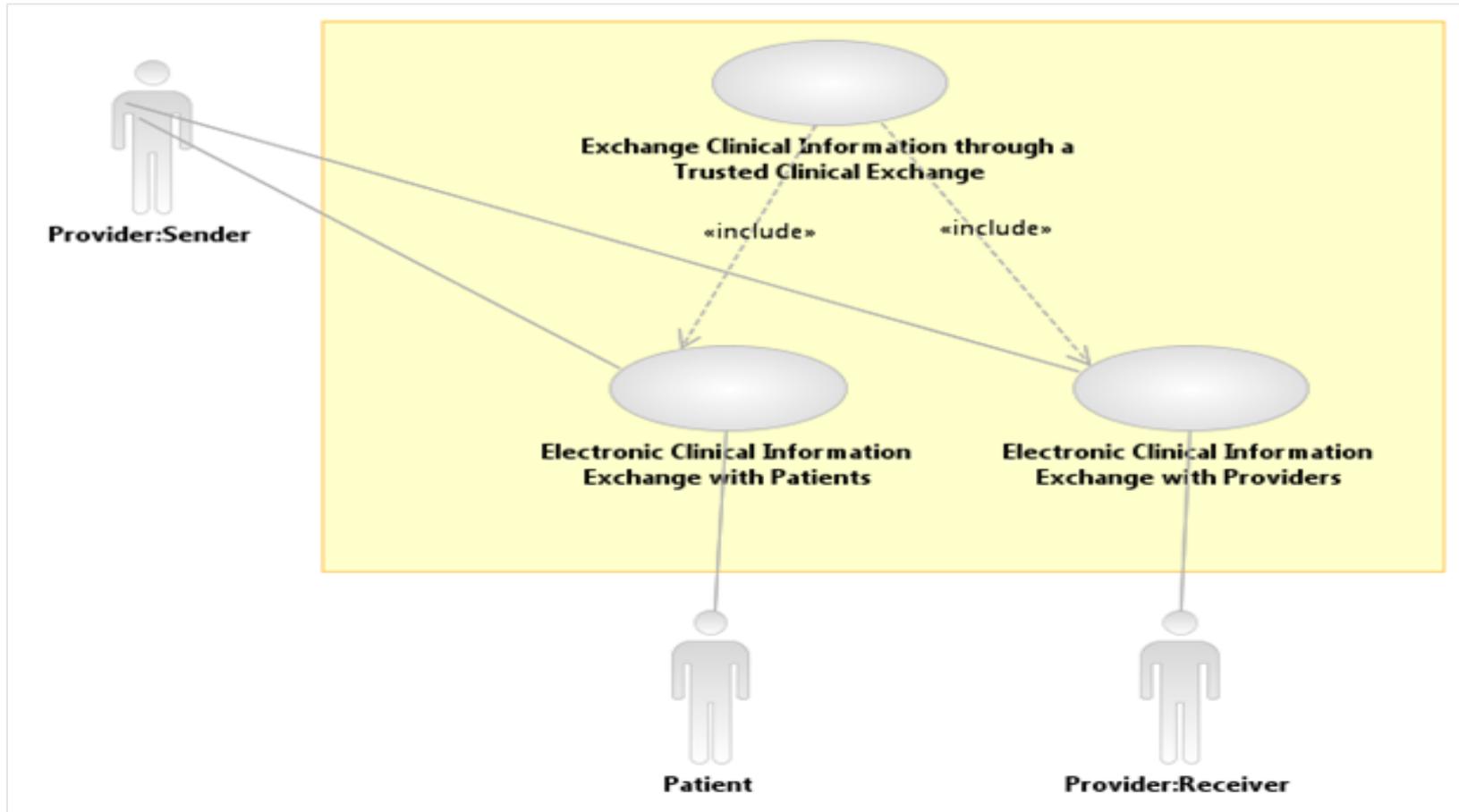
Key performance indicators (KPIs) including provider, patient and caregiver :

- Satisfaction
 - Baseline
 - Periodic
- Engagement
 - Education
- Utilization
 - ToC
 - Patient reported outcomes
 - Bi-directionality

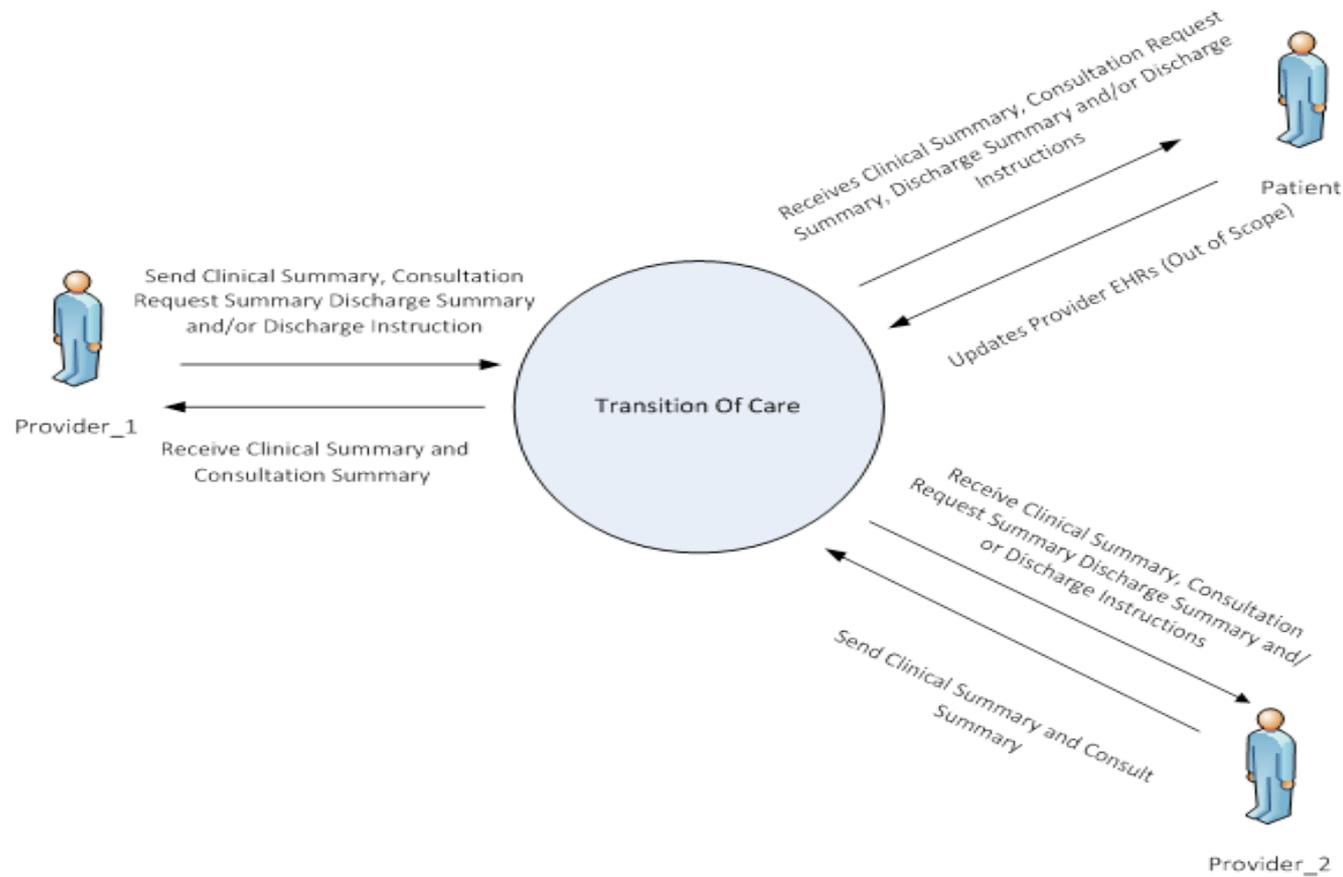
Outcomes KPIs including:

- ER visits pre- and post-implementation
- Hospital admissions pre- and post-implementation

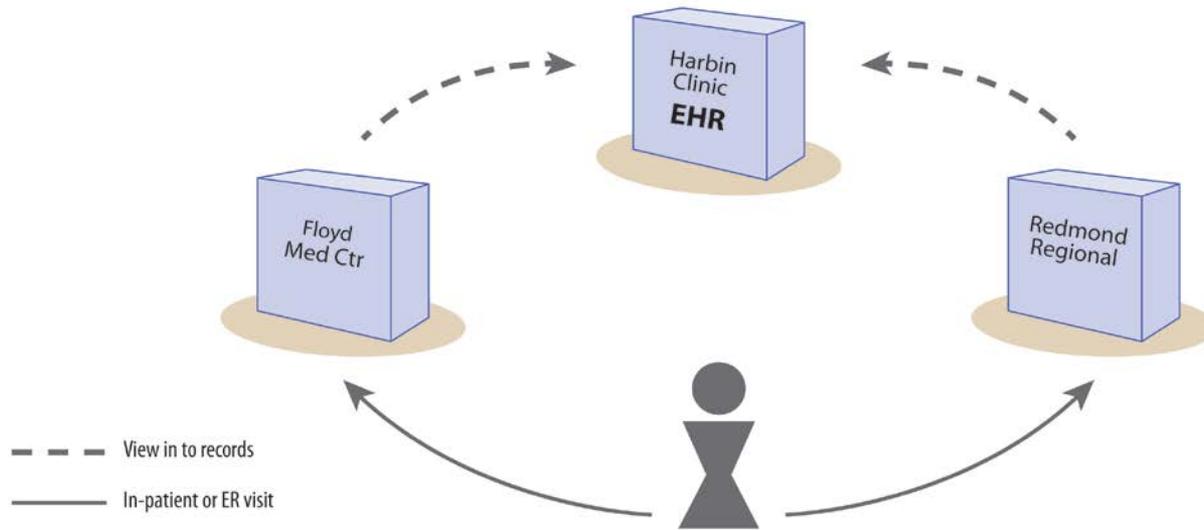
Transition of Care (ToC) Use Case Diagram



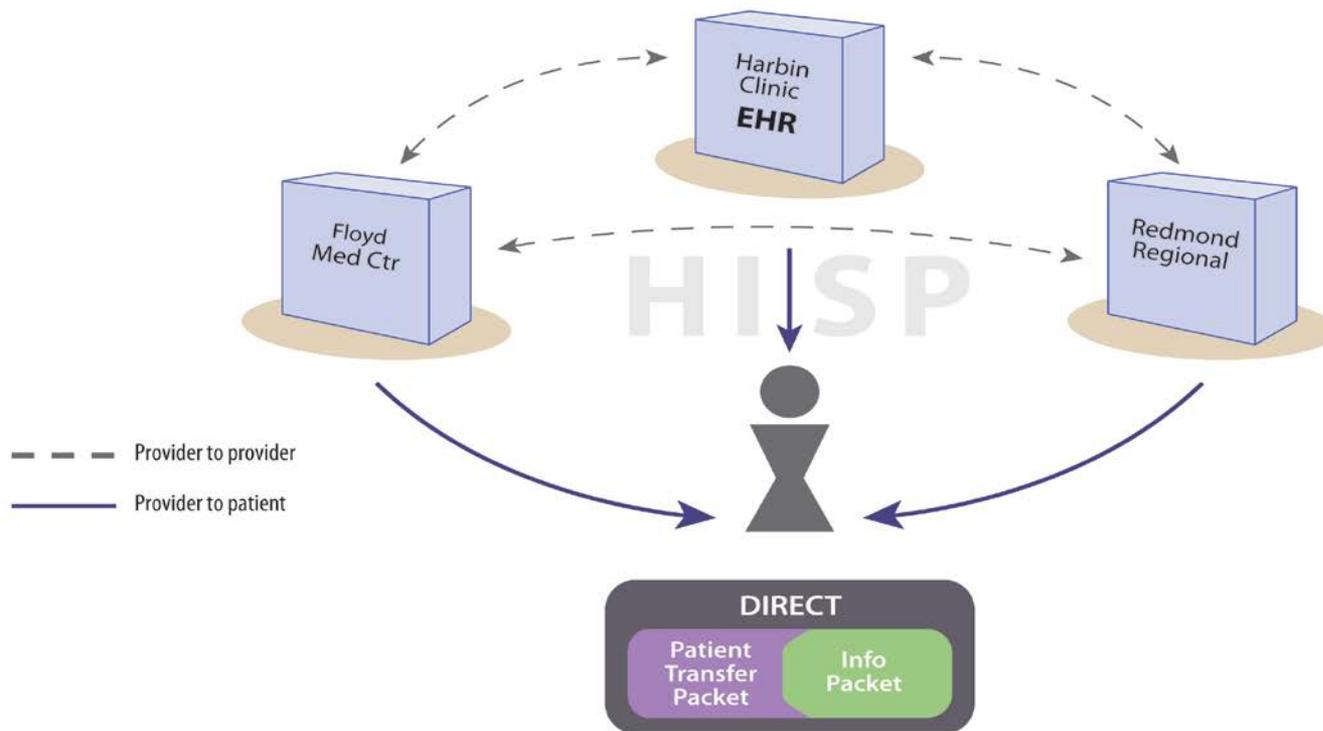
ToC Context Diagram



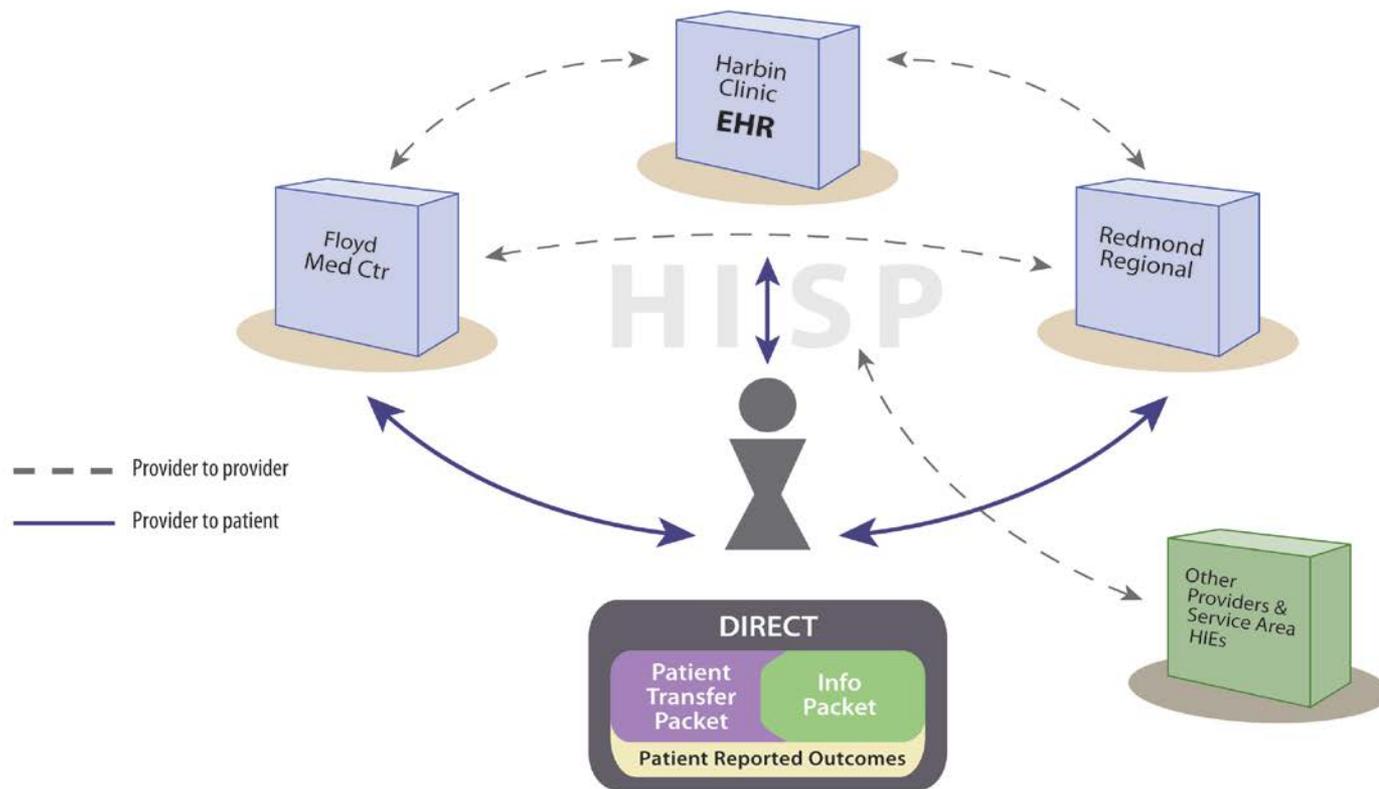
Current Environment



HIT Ecosystem Genesis



Rome's HIT Ecosystem



The Jobs Accelerator Project's Role

...To address the statewide ecosystem gaps that exist between the development and commercialization of new health information technologies, the diffusion of those technologies into the dispersed healthcare sector, and the training and deployment of a job-ready workforce able to utilize or support innovative health IT in patient-centric, community-based care

....To develop innovation to stimulate jobs in distressed areas of the state, train veteran and chronically unemployed workers to fill the numerous, open HIT positions, and support SBA 7(j) companies with resource connections, as well as trained workers.

The WHY

The Health Information Technology (H.I.T.) Cluster Jobs Accelerator is really all about JOBS, JOBS, JOBS:

- Georgia, with an unemployment rate of 10.1% in July 2011, was a full point higher than the national average*
- Atlanta lost 200,000 jobs since the recession began in 2007*
- Despite losses, growth industries and their clusters have a strong, unmet demand for job-ready, trained talent
- In 2011, these industries included advanced manufacturing, health care, and technology
- Solutions are needed to match the supply of talent with companies experiencing a growing demand

* Department of Labor

** U.S. Conference of Mayors Report

The WHY *(continued)*

And there is a well-defined cluster in immediate need...

- Impressive List of 185+ companies in Atlanta's H.I.T. Cluster
- These companies are growing: 57% percent expected, in 2011, to expand within two years; expected revenue growth was 40 percent per annum
- Average wages for all cluster firms are just over \$100,000, with 7 of 11 industry codes with average wages over \$80,000
- Unemployed lack skills to fill job openings: Industry says so!
- Many are trying to get back to work through short-term programs – need stipends to enable workforce with talent to shift gears

The HOW

Project objectives will facilitate job creation, i.e., provide resources & connectivity

- Augment business formation, especially small businesses, and leverage existing program and cluster assets
- Advance commercialization of market-driven H.I.T. solutions for the good of individual and public health (*H.I.T. can dramatically reduce avoidable deaths*)
- Develop a skilled workforce that is market-ready and skill-transferable – facilitate the creation of solid career pathways
- Integrate historically underserved businesses and communities into the economic activities of the cluster...*we all win only when that happens*

The HOW *(continued)*

Design direct nexus between scopes of work, beginning with cluster support & sector development...

- The EDA-funded I3L – The Interoperability & Integration Innovation Lab
- Create and sustain a Health I.T. Collaboration & Applications Vetting Space
- Reflect the State of the Market
- Bind to Workforce Training & Development
- Include the Entire Sector – rural, regional, and underserved

The Federal “Push”

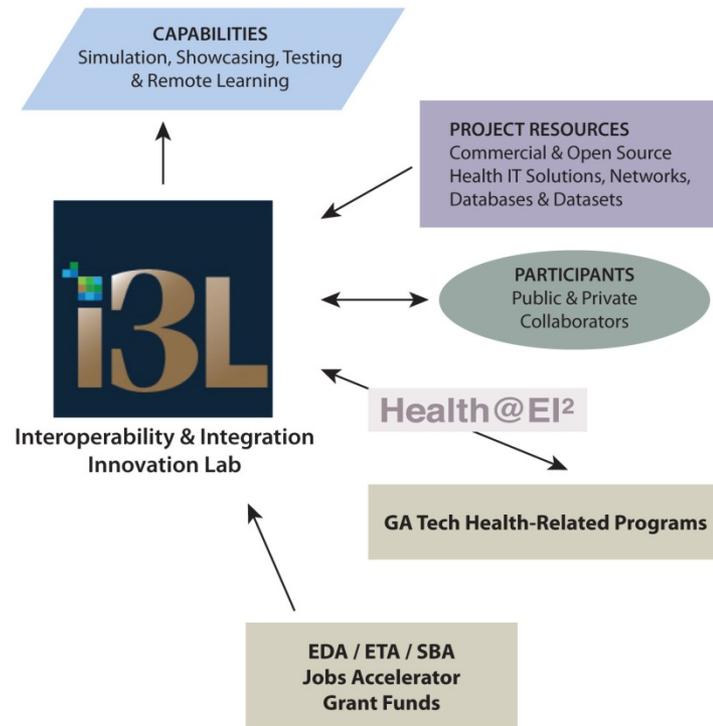
Jobs & Innovation Accelerator Project & Collaborative Health IT Ecosystem

Health Care Transformation “Push” HITECH, Health Reform Act

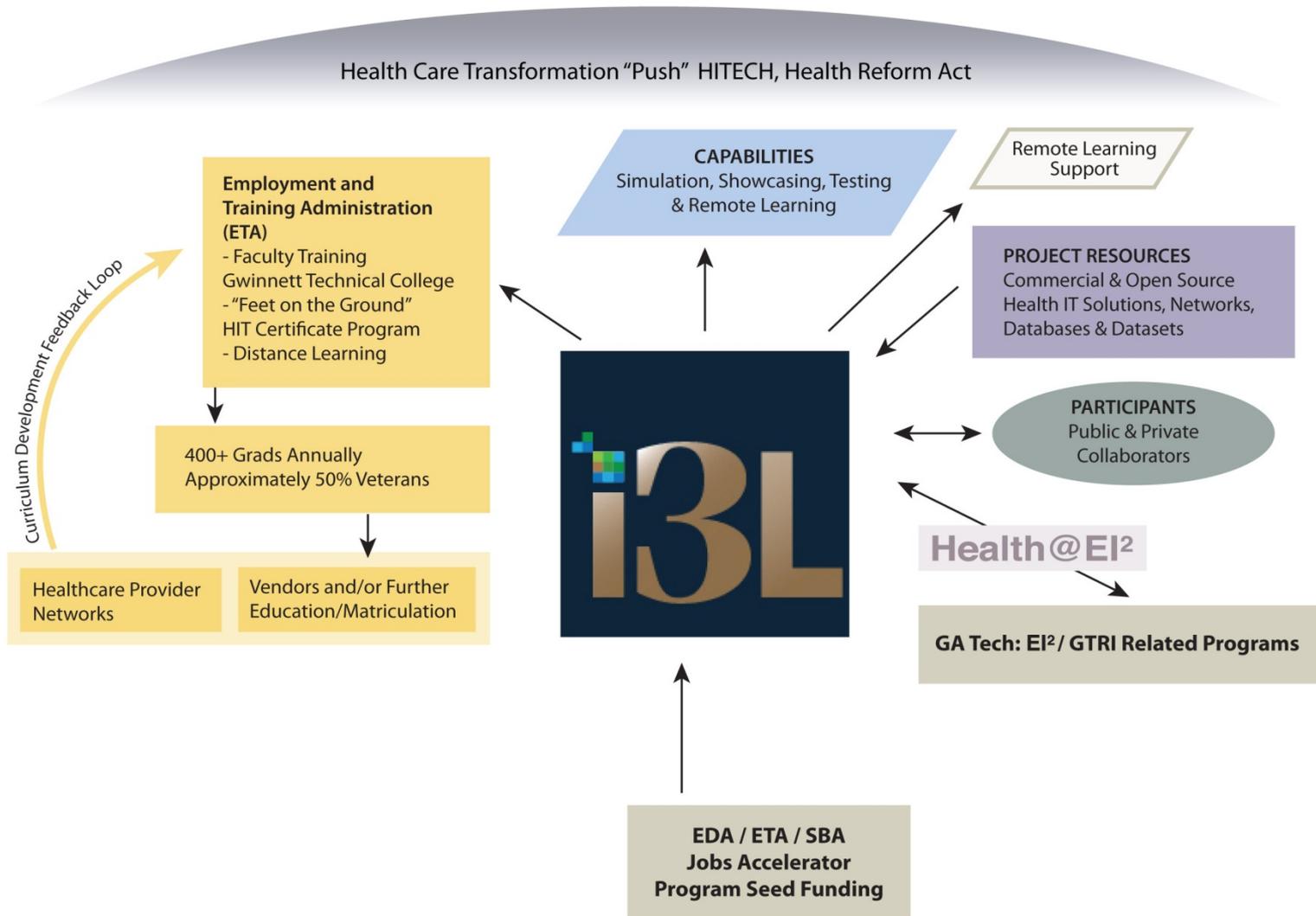
The Innovation Engine

Jobs & Innovation Accelerator Project & Collaborative Health IT Ecosystem

Health Care Transformation "Push" HITECH, Health Reform Act



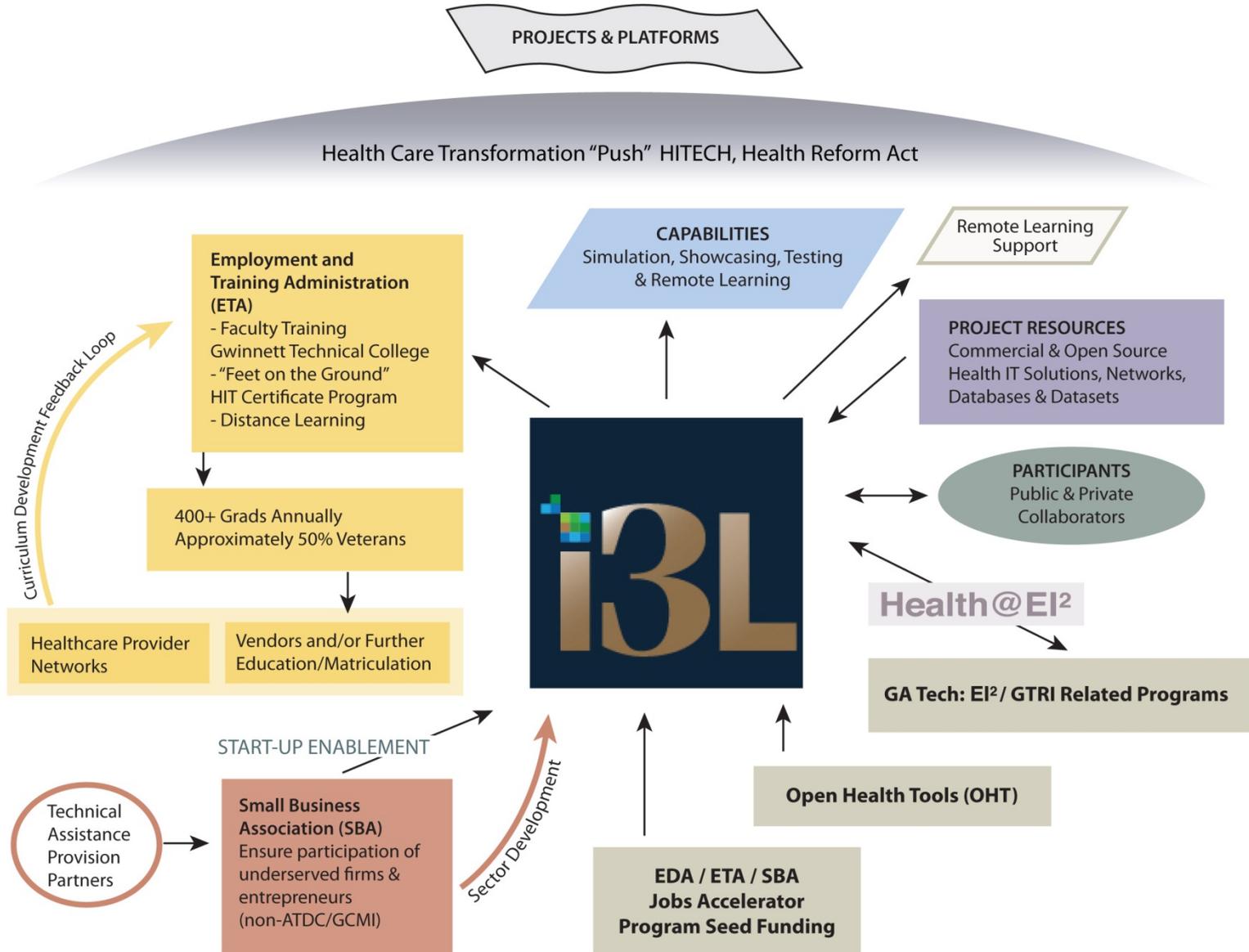
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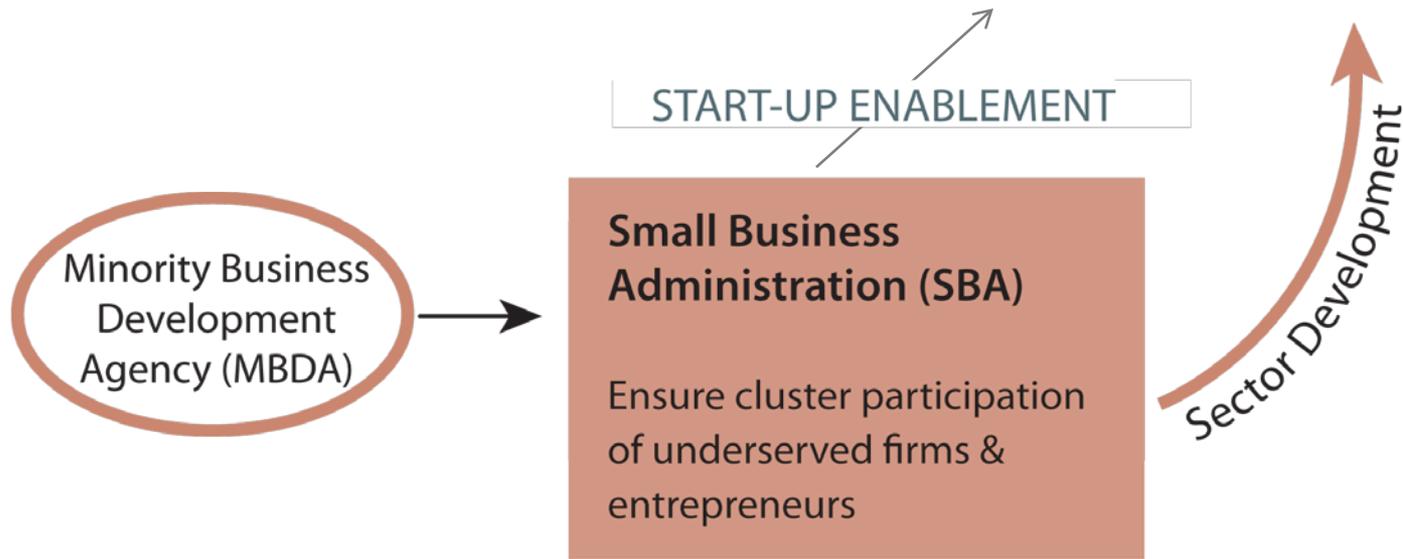
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CLOUD COMPUTING

LIVING LAB

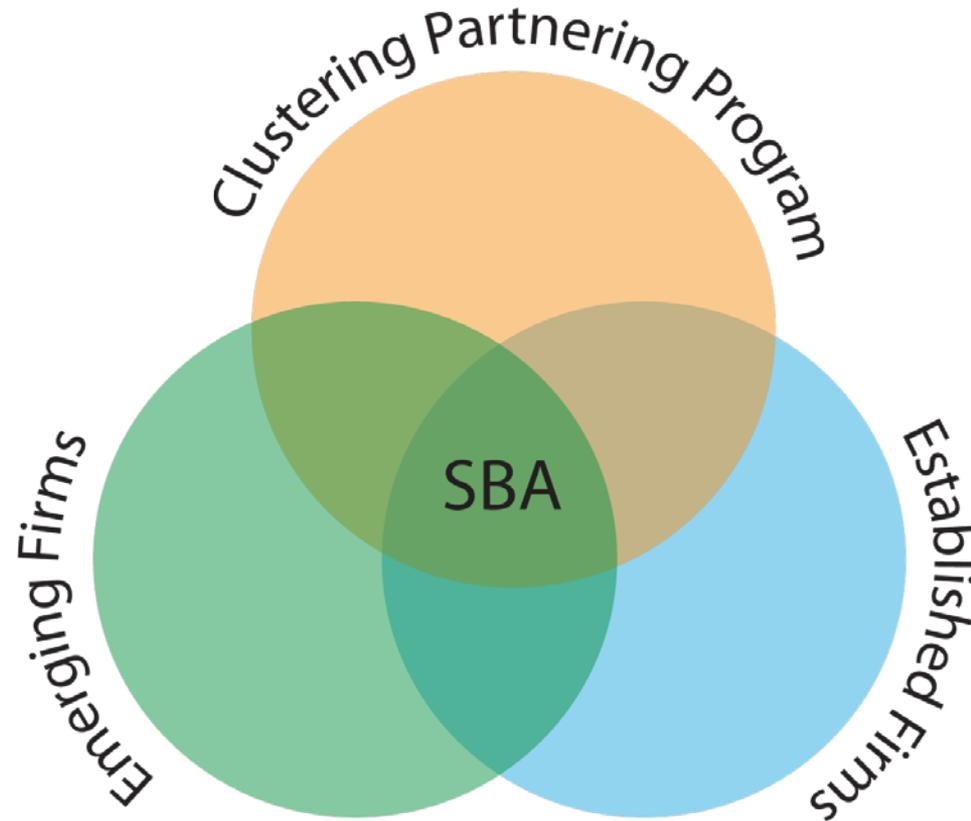


Health IT Cluster Partnering Program



The WHO

Key Stakeholders



The WHAT

Health IT Cluster Partnering Program

Mission: introduce emerging businesses into the Health IT space to “join the conversation” and eventually participate in industry commerce and commercialization.

Goal- Job creation

The HOW

3 Pronged Approach:

Connect

Connect established and emerging companies into the cluster through industry meetings, company meet and greets, lab access and workforce training.

Inform

Provide a wealth of information to emerging firms including industry trends and cluster activities.

Engage

Draw companies into the Health IT Cluster conversation and engage emerging firms through - Innovation (R&D), Partnerships, Education and Training, Opportunities, and Technical/Management Assistance.

Engagement

Innovation (R&D)- assist firms with exposure to the program lab (physical and virtual) and assist with research grants.

Partnering- develop a synergistic community with the ultimate goal of established and emerging firms partnering.

Opportunities- assist with identifying opportunities in the public and private sectors.

Education and Training- access the lab for R&D and quality testing. Connect participants into professional industry activities (conferences, workshops, etc.)

Technical/Management Assistance- assist with research grants, consulting services, proposal development and financing options.

Emerging Business Community Development

Physical

Partnering Opportunities

CEO Roundtables

Mastermind Group

Lunch & Learns

Innovation Lab

Virtual

Webinars

LinkedIn Group

Yahoo Group

Innovation Lab

Questions or Comments?

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