

# Georgia eHealth Summit



**GA HITREC**  
Georgia HIT Regional Extension Center  
The NCPC at Morehouse School of Medicine

Georgia Health Information  
Exchange Inc.



GEORGIA DEPARTMENT  
OF COMMUNITY HEALTH

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# Georgia eHealth Summit

## Current and Future HIT for Consumers: The View from Georgia Tech



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# The HIT Prescription

Poor Quality:

**EHR/Clinical Decision Support**

Poor Compliance:

**PHR, Ubiquitous Computing**

Episodic Interaction/Poor Care Coordination:

**HIE**

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"Well, yes, we could fix it in Photoshop, but your arm would still be broken."

# Bipartisan Policy Center Task Force on Delivery System Reform and Health IT

Limited level of consumer engagement using electronic tools identified as a barrier to achieving health IT capabilities needed to support high performance health delivery and new models of care.



# Relevant Georgia Tech Capabilities

**Computational Science and Engineering:** “Big data”

**Georgia Tech Information Security Center (GTISC):** Privacy and Security

**Georgia Tech Research Institute (GTRI):** Integration of HIT and devices

**GVU:** Data visualization, human-computer interaction

**health@ei2:** Transforming healthcare delivery through applied science/technology

**Institute for People and Technology (IPaT):** Research in healthcare, education, consumer media

**SimTigrate Lab:** Integrated, process-based design of health spaces, devices and IT

**Tennenbaum Institute (TI):** Modeling of novel care delivery systems



# Georgia Tech HIT Initiatives

## ARRA-HITECH

Partnering with Morehouse in GA-HITREC

Total enrollment: 4000+ GT enrollment: 927

HIE advisory services to DCH



# Georgia Tech HIT Initiatives

## Consumer-medicated HIE Challenge Grant

Rome

Supporting DCH

Bi-directional personal HIE

Cancer care, improved survivorship experience



# Georgia Tech HIT Initiatives

## PHRs for employer cost reduction through employee engagement

EI2 and GT HR are alpha/beta test locations

Future planned campus wide roll-out

Connectivity to GAHIE



# Georgia Tech HIT Initiatives

## Ongoing patient-centric research

Mobile apps for asthma, diabetes, etc.

Improved in-home sensing

Behavioral imaging

Augmented reality

...



# Georgia Tech HIT Initiatives

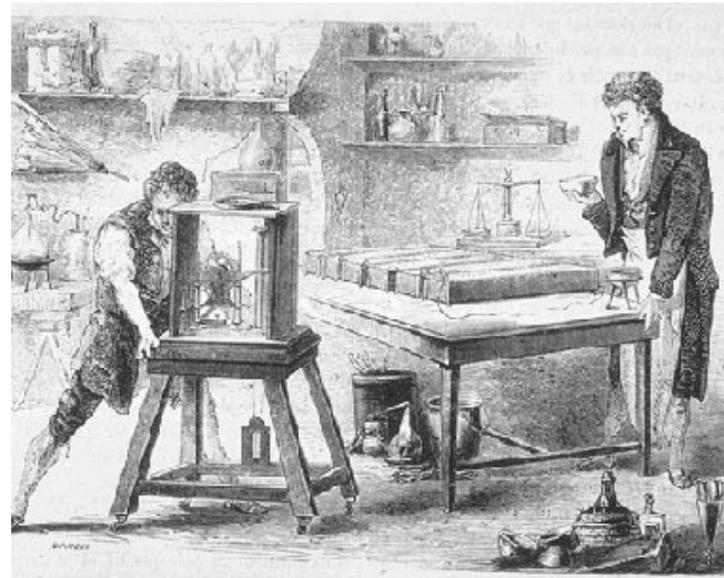
## Interoperability & Integration Innovation Lab (I3L)

Standards testing

Conformance trials

ToC pilot support

Student project support



# Georgia Tech HIT Initiatives

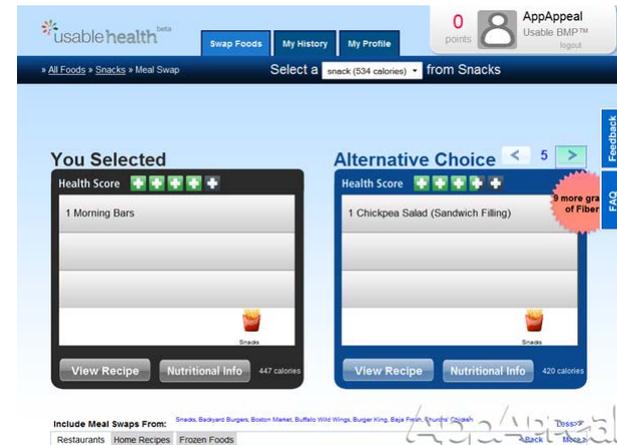
## PHR-based student projects (MediKeeper, Dossia, HealthVault)

Clinical trials recruitment

Childhood obesity

Transitions of care

PHR to EHR via DIRECT



# Georgia Tech HIT Initiatives

## GA HIT cluster Jobs Accelerator Grant

EDA/ETA/SBA

Workforce training

Entrepreneur support @ I3L

Partner with Gwinnett Tech

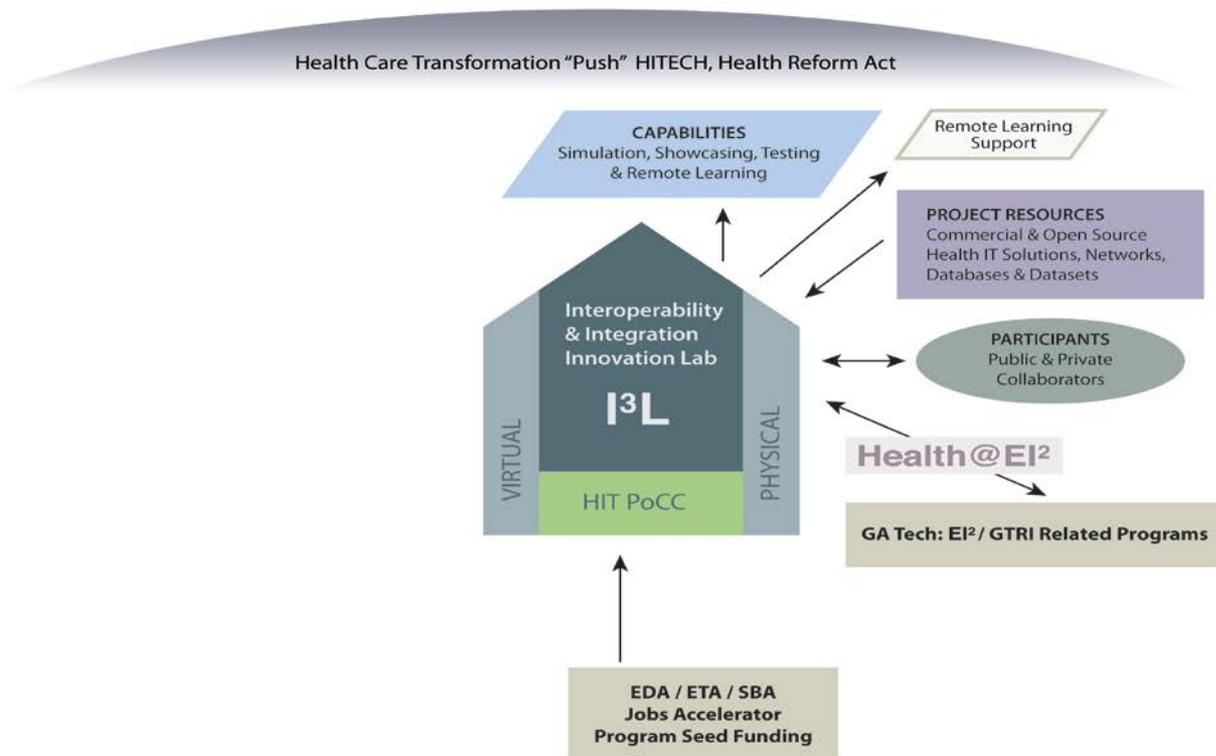


# Georgia Tech HIT Ecosystem

**Jobs & Innovation Accelerator Project & Collaborative Health IT Ecosystem**

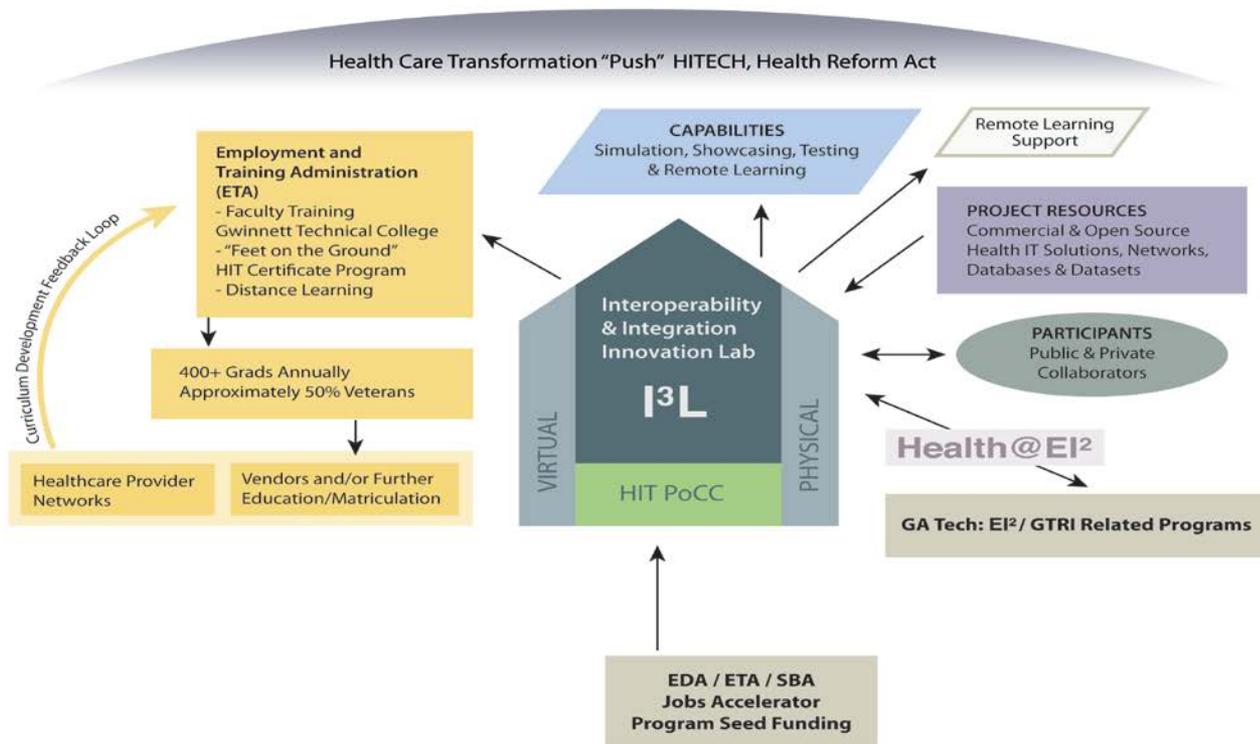
Health Care Transformation "Push" HITECH, Health Reform Act

## Jobs & Innovation Accelerator Project & Collaborative Health IT Ecosystem

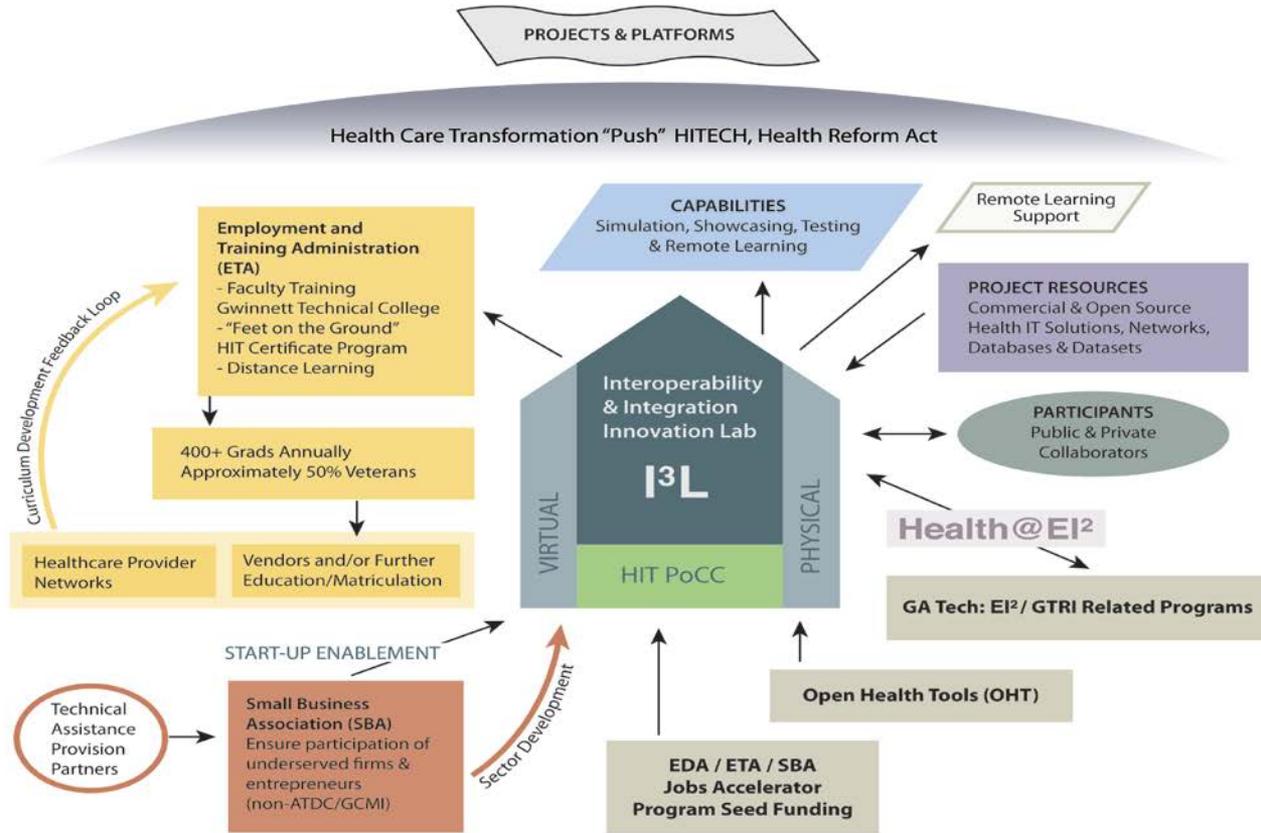


LIVING LAB

## Jobs & Innovation Accelerator Project & Collaborative Health IT Ecosystem



# Jobs & Innovation Accelerator Project & Collaborative Health IT Ecosystem



Academic Research • Government • Vendors • Entrepreneurs • Standards Development Orgs • Healthcare Providers / Orgs