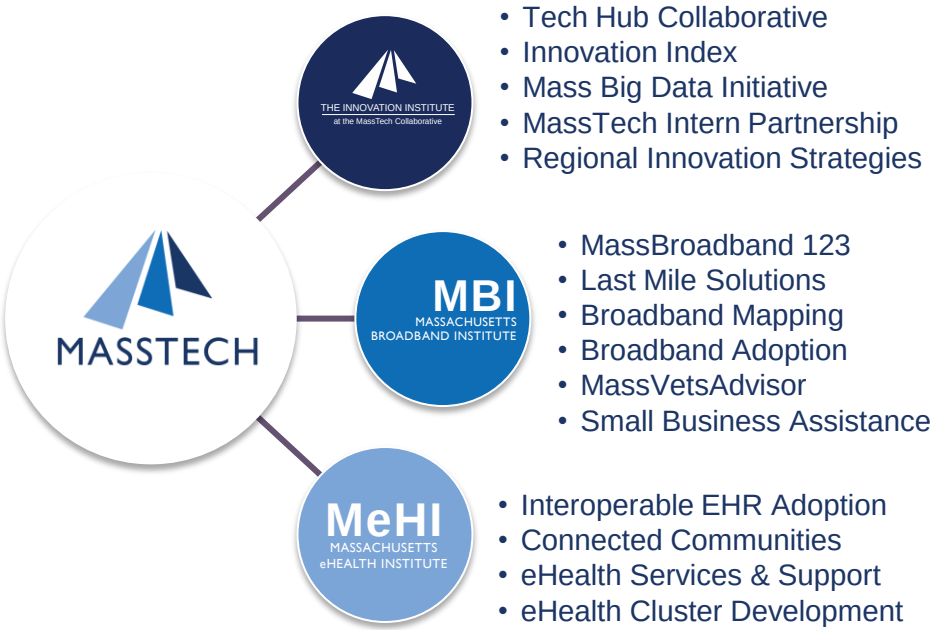
eHealth Cluster Development in Massachusetts

MeHI
MASSACHUSETTS eHEALTH INSTITUTE
at the MassTech Collaborative

MeHI Overview



- Tech Hub Collaborative
- Innovation Index
- Mass Big Data Initiative
- MassTech Intern Partnership
- Regional Innovation Strategies

- MassBroadband 123
- Last Mile Solutions
- Broadband Mapping
- Broadband Adoption
- MassVetsAdvisor
- Small Business Assistance

- Interoperable EHR Adoption
- Connected Communities
- eHealth Services & Support
- eHealth Cluster Development

MeHI is a division of the Massachusetts Technology Collaborative, a public economic development agency

MeHI is the designated state agency for:

- Coordinating health care innovation, technology and competitiveness
- Accelerating the adoption of health information technologies
- Promoting health IT to improve the safety, quality and efficiency of health care in Massachusetts
- Advancing the dissemination of electronic health records systems in all health care provider settings

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The Vision

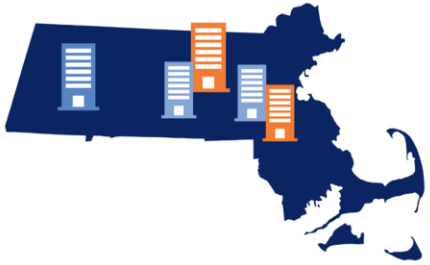
Massachusetts eHealth Cluster

Continued growth of the nation's leading eHealth economy which includes electronic health records, telehealth, mobile health, and big data solutions.

mehi.masstech.org/eHealthMA

@MassEHealth
Updates #eHealthMA

2014 200+ **companies** / **$8 billion**
5000+ **employees**



2020 400+ **companies** / **$15 billion**
15,000+ **employees**

Stakeholders

- eHealth Companies
- Capital Investors
- Care Providers
- Payers
- Academia
- Associations
- Government

Programs

- eHealth Cluster Development
- Workforce Development
- Innovation Promotion

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Innovation Is Our Business

Nearly **40%** of our total employment is in the 11 key sectors of the Innovation Economy

From 2005–2010, the total wages paid in the Massachusetts Innovation Economy grew **23%**

The **#1 new economy state** in 2014 as ranked by the Information Technology & Innovation Foundation

Recent Bureau of Labor Statistics reports rank Massachusetts **#2 in high tech job growth**, at 5.5% growth

The Mass. tech sector includes 209,000 employees, and over 13,000 firms, with an estimated

$165 billion

of output.

Advantageous Environment for Cluster Growth

- Highly skilled technology workforce
  - Massachusetts graduates 5,600 data scientists annually
- Globally respected cluster of medical facilities
- Renowned cluster of research and educational institutions
- Vibrant and entrepreneurial technology sector
- Unique history of state-level policy innovation that pushes for, and enables, better use of technology in managing healthcare information and service delivery
  - US Health Reform modeled on Massachusetts' Health Reform
- Venture capital community with a record of success in biotechnology, IT and web-based investment
- Top ranked state
  - Boston #6 for *Under30CEO* Top 30 cities for young entrepreneurs
  - Rock Health ranks Massachusetts #2 for fertile ground for digital health entrepreneurs

Health Care Informatics Top 100

16 of top 100

Philips Healthcare

EMC

Nuance Communications

Athenahealth

MEDITECH

Alere

InterSystems

Kronos Incorporated

eClinicalWorks

Orion Health

Beacon Partners

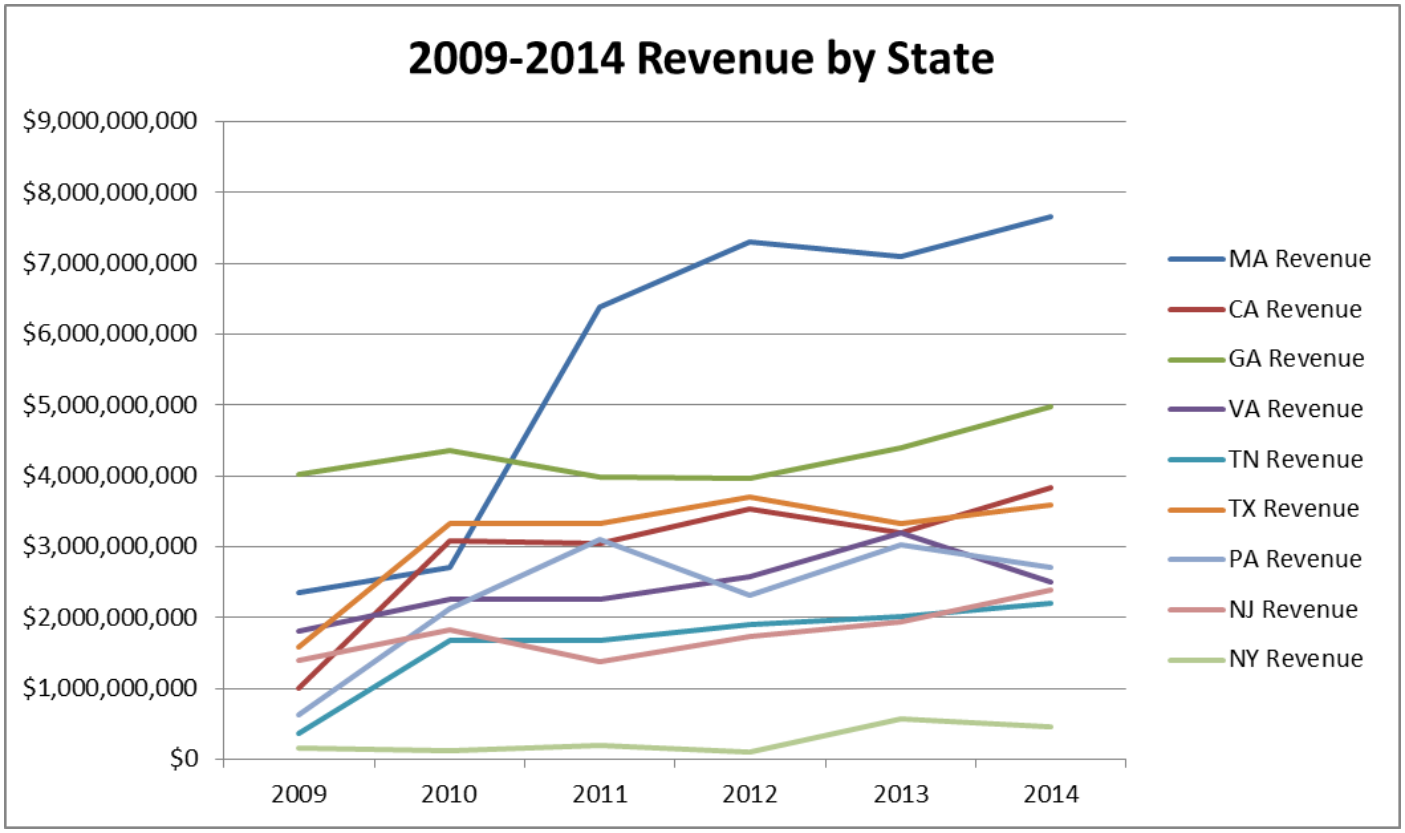
Imprivata

Capsule Tech, Inc.

CompuGroup Medical, Inc.

Iatric Systems, Inc.

HealthcareSource



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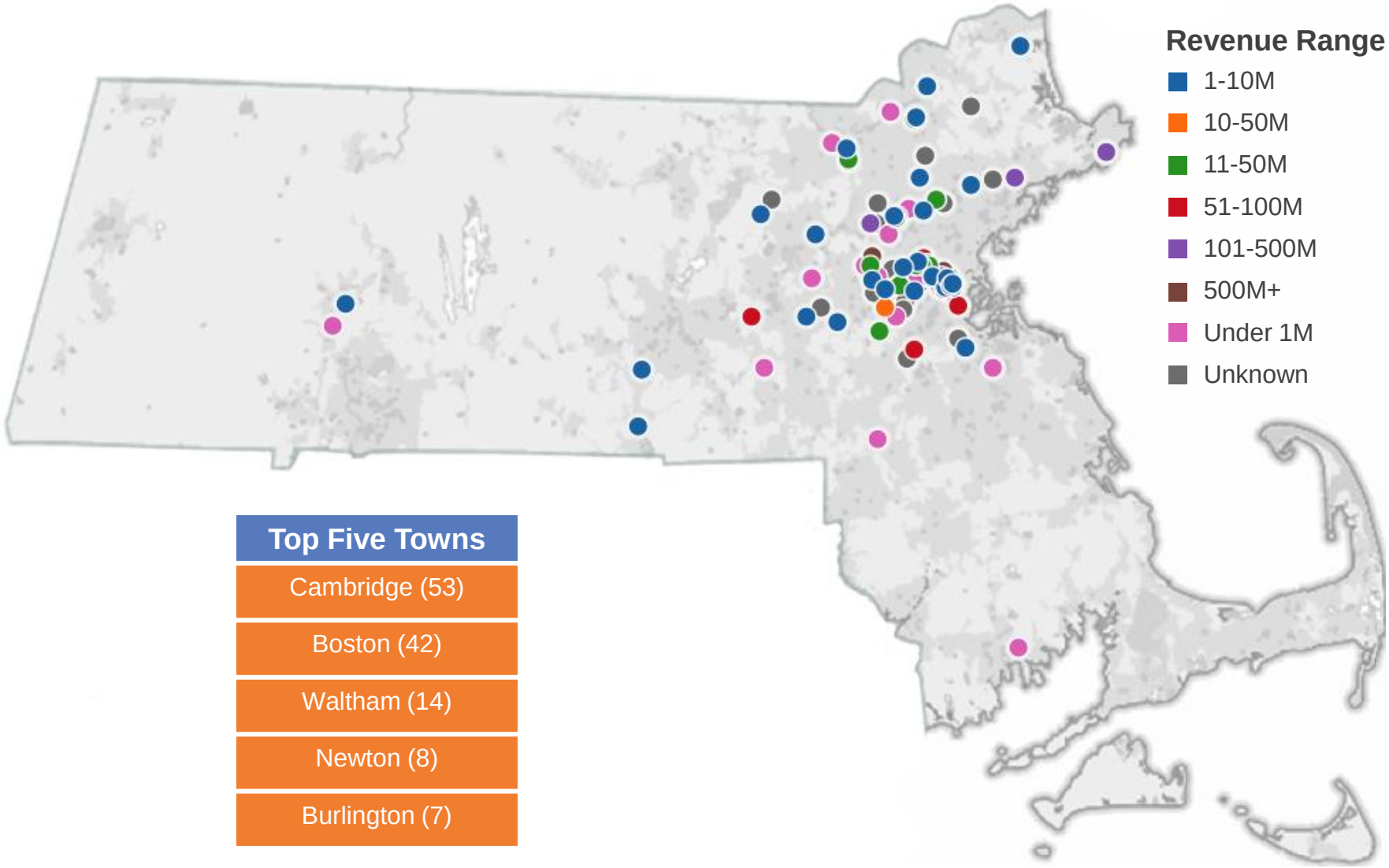
>200 eHealth Software Companies



Top Five Towns
Cambridge (53)
Boston (42)
Waltham (14)
Newton (8)
Burlington (7)

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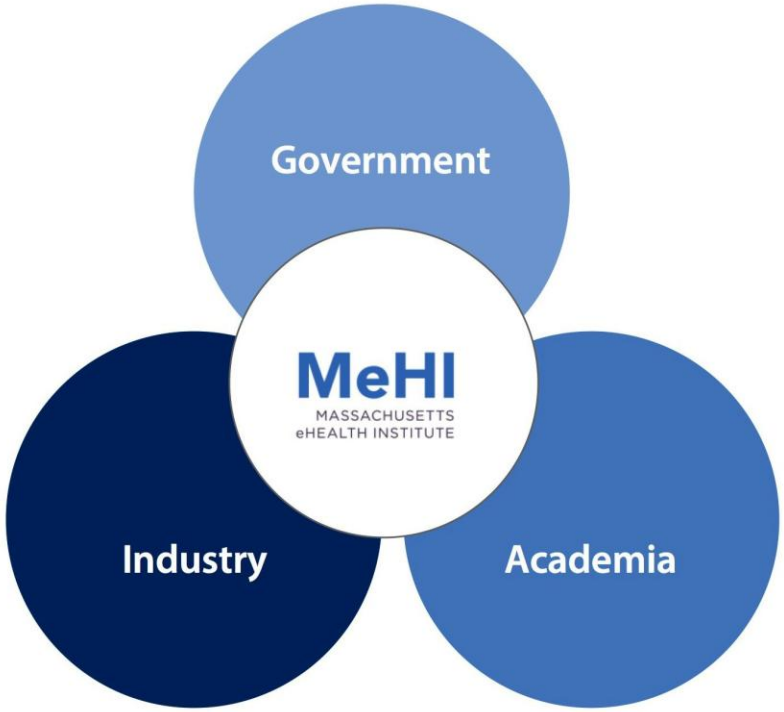
Cluster Growth Critical Success Factors

- Accelerate stakeholder collaboration
- Align industry demands with solution development
- Grow and retain Health IT talent in state
- Grow, obtain, and retain eHealth organizations
- Strengthen global and national brand



MeHI's eHealth Cluster 2014 Goals

- Facilitate better coordination and engagement between eHealth companies and educational institutions **to develop and retain statewide talent**
- Advance cooperation and interaction between companies and capital investors to **improve funding opportunities**
- Accelerate opportunities for eHealth companies to **gain access** to local, national, and global business markets
- Position and promote Massachusetts as the **leader in eHealth** innovation and economic growth