



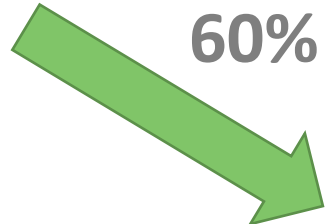
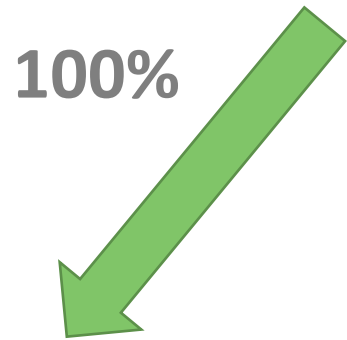
MiHIN + Interoperability Institute

Matt Englehart

Director of Research and Development



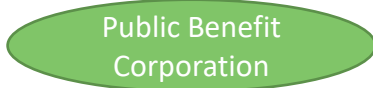
Part of the MiHIN Family of Organizations



INTEROPERABILITY INSTITUTE



velatura



Interoperability Institute, LLC

Mission

The Interoperability Institute develops solutions and the next generation workforce required to enable organizations and communities to harness the benefits of interoperability at scale.

Vision

To serve as a focal point for creating communities and environments that accelerate the adoption of interoperability in ways that result in greater health and more impactful delivery of human services.



Interoperability Institute provides a neutral space where:

- Organizations can collectively demonstrate the interoperability of software as a service (SaaS) solutions
- People can learn modern technologies or standards like FHIR
- Novel innovations can safely encounter complex synthetic real-world scenarios before being deployed or adopted in production

Interoperability Institute Pillars

Interoperability
Land[®]

Interoperability
Hackathons &
Training

Interoperability
Workforce
Program

Introducing Interoperability Land™

A collaboration platform designed to power the future of multi-organization development, integration, acceptance, and testing of innovative technologies and open standards.



Interoperability Land

Build and test multi-organizational interoperable systems

Create and share meaningful visualizations and models

Create and host events to focus on a problem, service, API or topic

Create highly realistic test scenarios with synthetic healthcare data

Reduce the cost of creating and managing a developer API sandbox

Harness the power of the community to solve interoperability problems

Exercise full control over intellectual property and data

Showcase applications, services and community contributions

Gain insights into how standards are being implemented in the real world



Patient Gen



PIT



Ring of PITs



Personas



Open API's



Network of Trusted "Sandboxes"



Interoperability Hackathon Events



Event Prep & Materials

Develop event scope, prepare necessary materials for event, and support technical planning. Select and/or create Personas and supporting activities.



Event Promotion

Identify target audience, define participant roles, and design activities for successful outcomes.



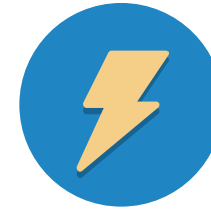
Test Environment

Provide Turnkey event environment with Test Data and Sample Code for interoperability testing and development of apps.



Event Facilitation

Support training and demonstrations for event participants. Provide skilled resources for facilitation of technical and business activities.



Follow-Up

Post-event review and feedback, collect marketing and media material, and consolidation of materials.

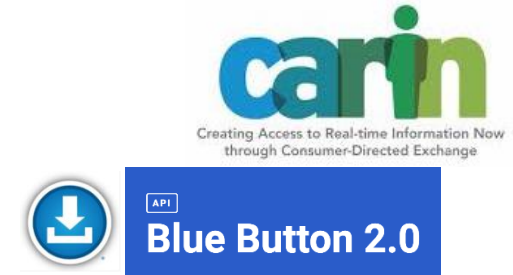
Interoperability Hackathon Themes



Open APIs



NPRM's



Patient Centered Care



Value Based Care



Public Health



eConsent



Care Planning & Coordination



3rd Party App Development



Social Determinants



Addressing the Talent Gap in Information Technology and Healthcare

- Over the next 5 years, Michigan employer demand for IT and healthcare professionals with college degrees is expected to increase by as much as 35%.

SOURCE: MI DTMB Bureau of Labor Market Information and Strategic Initiatives, 2019

- Only 28% of Michigan residents ages 25 to 64 have obtained a bachelor's degree.

SOURCE: U.S. Bureau of Labor Statistics, 2013-2017 data

- Approximately 60% of Michigan's college graduates move to other states. Losses are greatest among graduates in technical fields.

SOURCE: U.S. Department of Education

Annually MiHIN Trains 80+ Interns with Diverse Backgrounds



Interoperability Workforce Program

Leverage the existing success of the MiHIN internship program to launch a broader internship training and part time employment service to meet growing future talent demands (informatics, information technology, data science, cyber security, artificial intelligence, advanced cloud services, etc.)



Thank you!

Matt Englehart

Director of Research and Development

matt.englehart@mihin.org