IT Connects the World at the IHE North American Connectathon and HIMSS Interoperability Showcase 2019

An Introductory Webinar for New and Previous Participants
Thanks for joining us today

- Webinar will be recorded and posted online at [www.iheusa.org/webinars-ihe-usa](http://www.iheusa.org/webinars-ihe-usa)
- We will host a Q&A session at the end of the webinar
- Submit your questions in advance using the Q&A box on the lower left hand of your WebEx
IHE USA and Connectathon Support

Sarah Bell, Coordinator, IHE USA
IHE NA Connectathon Project Coordinator
Email: sbell@himss.org

Steve Moore
Assistant Professor, Washington University
IHE NA Connectathon Technical Project Manager
Email: naconnectathon.helpdesk@gmail.com
Presenters

Joyce Sensmeier MS, RN-BC, CPHIMS, FHIMSS, FAAN
Vice President Informatics, Office of the CTIO
IHE USA President
Email: jsensmeier@himss.org

Bronwen Huron BSN, RN-BC, MS, PMP
HIMSS, Manager, Interoperability Initiatives
Email: bhuron@himss.org
Today’s Agenda

- What is IHE?
- Benefits of interoperability testing
- IHE’s Relevance in the United States
- Participation in the IHE NA Connectathon
- HIMSS Interoperability Showcase™
- Questions
What is IHE?

Integrating the Healthcare Enterprise (IHE) is an International Standards Development/Profiling Organization

- Founded in 1999 by RSNA and HIMSS
- Develops free technical specifications, called IHE Profiles, to achieve interoperability
- Promotes the coordinated use of established standards to address specific clinical needs in support of optimal patient care

**Vision:** To enable seamless and secure access to information whenever and wherever it is needed

**Mission:** To improve healthcare by providing specifications, tools and services for interoperability
What are the Benefits of Using IHE?

- IHE provides workflow driven standards-based interoperability solutions that are freely available in the public domain.
- IHE profiles document how to constrain mature standards and resources to enable consistent implementation.
- IHE specifications are vetted through the ISO process.
- IHE removes barriers to create seamless and secure access to health data.
- IHE can reduce costs by reducing the number of interfaces needed between systems through agreement on a common implementation of existing standards.
What do IHE Profiles do?

• IHE Profiles provide a common language for purchasers and vendors to discuss the integration needs of healthcare providers and the integration capabilities of healthcare IT products.

• They offer developers a clear implementation path for communication standards supported by industry partners and carefully documented, reviewed and tested.

• They give purchasers a tool that reduces the complexity, cost and anxiety of implementing interoperable systems.
What is the IHE Connectathon?

- IHE Connectathons provide a detailed implementation and testing process to enable the adoption of standards-based interoperability by vendors and users of health information systems.
- Connectathons are held annually in Asia, Europe and North America.
- Connectathons are managed by experienced, neutral, technical experts and supported by robust testing tools, including Gazelle.
- Thousands of vendor-to-vendor connections are tested each year. The results of this testing are published in the Connectathon Results Database.
- IHE Connectathons are NOT Hackathons. They are the gold standard for interoperability testing.
Benefits of Interoperability Testing

• Systems exchange information with corresponding systems in a structured and supervised peer-to-peer testing environment.

• The Connectathon provides detailed validation of the participants’ interoperability and compliance with IHE profiles.

• Connectathons help validate the profile specifications. Any errors or ambiguities are fed back to the authors and the specs are updated.

• Participating companies can prepare for the event using testing software developed for this purpose.

• Connectathons offer vendors a unique opportunity for connectivity testing, removing barriers to integration that would otherwise often need to be addressed on site, at the customer’s expense.
Key Benefits to Connectathon Participation

• Build quality into your products
• Reduce product development costs and time to market
• Gain knowledge from industry’s top health IT professional and experts
• Test product capabilities with key players such as:
  o EMR and device vendors
  o Public health agencies
  o Key infrastructure players
• Demonstrate leadership in interoperability
• Qualify to participate in public demonstrations such as the HIMSS Interoperability Showcase™
Advancing Interoperability in the U.S.

National Policies and Rulings
• ONC 2017 Interoperability Standards Advisory
• Nationwide Health IT Interoperability Roadmap
• 2015 Edition Health Information Technology Certification Criteria

Industry Leaders
• HL7 FHIR® including FHIR based IHE Profiles
• Continua
• American College of Cardiology
• Sequoia Project
• HIMSS and RSNA

National Initiatives and Projects
• eHealth Exchange & Carequality
• CommonWell Health Alliance
• IHE Conformity Assessment
• RSNA Image Share Validation
• Strategic HIE Collaborative (SHIEC)
• Patient Centered Data Home Initiative
IHE NA Connectathon 2018
January 15-19, 2018 at the Huntington Convention Center & HIMSS Innovation Center

- 63 participating organizations
- 90 health IT systems tested
- 456 on-site participants
- Educational workshop focused on benefits of IHE implementation
- 2,374 tests were verified by 44 monitors
- 75 of these health IT systems were featured in use cases at the HIMSS Interoperability Showcase™
IHE NA Connectathon 2019

20th Year!

More info on www.iheusa.org
IHE NA Connectathon 2019 Week

- A powerful industry event uniting hundreds of health IT professionals
- Leading organizations partner together to advance health IT interoperability in North America
- Founded on the world's largest interoperability testing event, IHE USA offers exceptional educational and networking opportunities
IHE NA Connectathon 2019 Testing Options

- IHE Profiles
- Core set of FHIR-based IHE Profiles = API’s
- MiHIN Rings of FHIR
- Project Gemini*

*What is Project Gemini?
A collaborative project between IHE, HL7 and the FHIR Foundation to demonstrate clinical benefits from implementing FHIR and IHE
IHE Connectathon Results

- IHE publishes results for all actor/profile pairs successfully tested
  - Results published in the IHE Connectathon Results Database
- IHE does not guarantee conformance to your customers
- IHE never publishes failures or incomplete tests
- IHE Connectathon testing is not certification
- Successful testing provides option to demonstrate at the HIMSS19 Interoperability Showcase™
  - February 11-15, 2019 in Orlando, Florida
IHE NA Connectathon 2019 Fees

• $8,700 for one test system
• $4,700 for each additional test system
• Participant can test multiple IHE Profiles across multiple domains on their system
• Staff badge fees are not included and will be collected after system registration

System Fees include:
• Table with two chairs on-site
• Access to the Connectathon network
• Electrical service
• Access to test tools to support preparation
• Staff support from registration through the end of testing
• Option to participate in any HL7 FHIR® based testing tracks
• One free registration to the IHE & Innovation Educational Program/Networking Event

Visit the system registration page for more details: www.iheusa.org/system-registration
System Registration
September 10 – October 12, 2018

- Follow instructions on IHE USA’s System Registration webpage [www.iheusa.org/system-registration](http://www.iheusa.org/system-registration)

- Register your system and submit your signed contract and payment by **October 12, 2018**

- Review IHE USA’s Policies and Guidelines
  - [www.iheusa.org/ihe-connectathon-participant-resources](http://www.iheusa.org/ihe-connectathon-participant-resources)
    - Guidebook for IHE NA Connectathon 2019
    - Designed to ensure successful testing
    - Incorporated into system contract

- IHE’s Technical Project Manager Support Page
  - [https://gazelle.ihe-europe.net/cat/NA2019](https://gazelle.ihe-europe.net/cat/NA2019)
IHE Profile Selection – Start asking questions today

What IHE Profiles will you test?
• Registration requires selection of IHE Profiles (not just a contract)
• Read the brief profile descriptions at wiki.ihe.net/index.php/Profiles
• Read IHE’s technical frameworks at www.ihe.net/Technical_Frameworks
• Watch IHE International free educational webinars online at www.ihe.net/Webinars

Manage Expectations
• Start asking the Technical Project Managers questions now
• Determine outside factors that influence IHE Profile selection
• Assign staff and resources now for IHE NA Connectathon 2019

Contact Steve Moore at: naconnectathon.helpdesk@gmail.com
## IHE Connectathon Resources

<table>
<thead>
<tr>
<th>Resource</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHE NA Connectathon Registration</td>
<td><a href="www.iheusa.org/ihe-connectathon-registration">www.iheusa.org/ihe-connectathon-registration</a></td>
</tr>
<tr>
<td>Participant Resources including Policies &amp; Guidelines, Schedule, etc.</td>
<td><a href="www.iheusa.org/ihe-connectathon-participant-resources">www.iheusa.org/ihe-connectathon-participant-resources</a></td>
</tr>
<tr>
<td>Gazelle</td>
<td><a href="ihe.wustl.edu/gazelle-na">ihe.wustl.edu/gazelle-na</a></td>
</tr>
<tr>
<td>Technical Manager’s Support Website</td>
<td><a href="gazelle.ihe-europe.net/cat/NA2019">gazelle.ihe-europe.net/cat/NA2019</a></td>
</tr>
<tr>
<td>IHE Technical Frameworks</td>
<td><a href="ihe.net/Technical_Frameworks/">ihe.net/Technical_Frameworks/</a></td>
</tr>
</tbody>
</table>
HIMSS Global Conference Overview

• A global opportunity, hosted in the US, to engage our audiences
• #1 Largest Health Event in U.S.
• Top 25 Largest Events of any Industry in U.S.
• 43,000+ Conference Attendees
• 1,300+ Exhibitors
• 400+ education sessions
MARK YOUR CALENDAR AND MAKE PLANS TO JOIN US NEXT YEAR...

HIMSS19

Global Conference & Exhibition | Feb 11-15, 2019
Orlando | Orange County Convention Center

WWW.HIMSSCONFERENCE.ORG

#HIMSS19
HIMSS Interoperability Showcase

HIMSS Interoperability Showcase is the highest trafficked area of the exhibit floor and is packed with nearly 20 demonstration areas, a large education theater, a product marketplace and more. Our mission is to demonstrate the power of standards-based interoperability by showcasing systems exchanging and using data in real time to improve care, outcomes and experience.
HIMSS19 Interoperability Showcase Layout

Use Case Vignettes

Education Theater

Marketplace Kiosks
HIMSS Interoperability Showcase

• IHE NA Connectathon provides testing for participants that are demonstrating IHE Profiles* in the HIMSS Interoperability Showcase

• Registration for these events requires two (2) separate contracts and fees

*If you are demonstrating an IHE profile you must register, attend and successfully pass at an IHE Connectathon (separate fee required). Your system must have tested that profile at a Global Connectathon within 12 months priors to conference.
ALL Interoperability Stakeholders are invited to participate

Government agencies, vendors, non-profit organizations, payers, providers, academia, standard development organizations, consulting firms, etc.

More than 85 organizations and 130 demonstrating systems and initiatives participated at HIMSS18. They demonstrated over 450 times to attendees of the Interoperability Showcase.

You can see who has already signed up to participate at HIMSS19 here.
Connected Use Case Demonstration

Demonstrations with 7-10 organizations utilizing standard based exchanges.

Choose your topic or have our staff help place you in one of our Use Cases.

Planning begins in October to collaborate and design the Use Case.

Turn key package- bring your ideas and solutions, we provide the rest.
Connected Demonstration

Why connected demonstrations?
• Helps drive home the value for a wide audience
• Helps them understand what each product does to support care and how working together impact the ecosystem
  • Your product impacts the information other systems have which impacts the information available to provides and patients to make better choices and improve care.
Unlike any other area you will exhibit in...
Participating Organizations Testimonials

The interoperability showcase gives us a good opportunity to work with the best vendors of health care area in the world. During the communication, we found a lot of good ideas to develop our market.

- meehealth

GREAT VALUE! The IO showcase has helped Philips businesses to test/validate integration with EMR and other vendors which normally is hard to do without a common customer involved. Philips

We don't have a booth at HIMSS, so this gave folks a place to come find us and solicit information and have open communication. We have participated in the showcase 5 or so years and will continue to do so because of the value it brings to the organization.

- Kno2

Provided a more precise channel for health system exposure - exhibit booths at HIMSS are often easy to get lost in.

- Omnicell

The HIMSS event offers the chance to collaborate with many different individuals from various facets of the industry along with seeing new technology that is being introduced into the Interoperability space. – Zoll Data Management
Attendee Feedback

Puts real world solutions in a place where we can see them in action, ask questions and take those solutions back to our organizations. - UC Davis Health

The Interoperability Showcase was an interesting interactive part of the HIMSS conference. It enabled attendees to witness how different vendors are putting their creations to use. Instead of imagining, the showcase allowed people to see real-life situations and how these interoperable products worked. - Texas Woman's University

The overall message: interoperability is actually HERE! - California State University, San Bernardino
HIMSS18 Interoperability Showcase Accomplishments

More than 85 organizations and 130 demonstrating systems and initiatives participated at HIMSS18.

They demonstrated over 450 times to attendees of the Interoperability Showcase.

Over 3 months, 19 new live demonstrations were developed and documented in detail never done before.

New 900 sq ft area dedicated to the VA’s Pursuit of Seamless Care, bringing new audiences into the Showcase

3,000 visitors engaged in our education theater hosting 24 hot topics

Overall, nearly 8,000 visitors attended the Interoperability Showcase, a 5% increase over last year!

On average, visitors spent nearly 40 minutes at a time within the Interoperability Showcase.
Now

- **Contact us** to let us know you plan to participate:
- **Complete your contract** and send to **salesinfo@himss.org**
- Select a Use Case.
  - Use cases are expanded by those who participate in them. The descriptions of these topics are guidelines, but often change based on the organizations participating.
  - Don’t see your specific role mentioned in a topic? It would be impossible to mention all options in each Use Case. Please reach out to our team and we can help identify which Use Cases you may make the biggest impact.
Interoperability Showcase Resources

Bronwen Huron Manager, Interoperability Initiatives bhuron@himss.org @BwenRN
Philip DePalo, Lead Technical Project Manager, drphil@consultology.us @Consultology

Resources
• HIMSS19 Contract
• HIMSS19 Use Case Topics
• HIMSS18 Statistics and Demographics
• Recordings of HIMSS18: Interviews, Use cases, Education sessions.

Follow us @Interopshowcase
# Contact Us

## IHE NA Connectathon 2019

<table>
<thead>
<tr>
<th>Questions</th>
<th>Staff</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contracts and Payments</td>
<td>Sarah Bell, IHE Coordinator</td>
<td>Email: <a href="mailto:connectathon@ihe.net">connectathon@ihe.net</a></td>
</tr>
<tr>
<td>General Administration</td>
<td></td>
<td>Visit: <a href="http://www.iheusa.org/ihe-connectathon-overview">www.iheusa.org/ihe-connectathon-overview</a></td>
</tr>
<tr>
<td>Logistics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connectathon Badges</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technical questions</td>
<td>Steve Moore</td>
<td>Email: <a href="mailto:naconnectathon.helpdesk@gmail.com">naconnectathon.helpdesk@gmail.com</a></td>
</tr>
<tr>
<td>Gazelle Test Management</td>
<td>Technical Project Manager</td>
<td>Visit: <a href="http://gazelle.ihe-europe.net/cat/NA2019">gazelle.ihe-europe.net/cat/NA2019</a></td>
</tr>
</tbody>
</table>

## HIMSS Interoperability Showcase

<table>
<thead>
<tr>
<th>Questions</th>
<th>Staff</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Bronwen Huron, Manager, Interop...</td>
<td>Email: <a href="mailto:bhuron@himss.org">bhuron@himss.org</a></td>
</tr>
<tr>
<td></td>
<td>Interoperability Initiatives</td>
<td>Visit: <a href="http://www.interoperabilityshowcase.org">www.interoperabilityshowcase.org</a></td>
</tr>
</tbody>
</table>
Q&A Session

• Submit your questions in the Q&A box on the lower left hand of your WebEx now

• Today’s webinar will be recorded and posted online at www.iheusa.org/webinars-ihe-usa
Thank you!