MedBiquituous
CAPETIHP Workshop
Presentations
MedBiquitous

Community action planning for educational technology interoperability in health professions

Tuesday October 13, 2020
Pauline Becker, MA  
*Business Operations Manager, EdTech*  
Stanford Medicine

Helen Macfarlane, MA  
*Director of Educational Technology*  
University of Colorado School of Medicine

Julie Youm, PhD  
*Assistant Dean for Education Compliance and Quality and the Director of Educational Technology*  
University of California, Irvine School of Medicine

Scott Helf, DO, MSIT  
*CEO and Co-Founder*  
ProgressIQ

Boyd Knosp, MS, FAMIA  
*Associate Dean for Information Technology*  
University of Iowa’s Carver College of Medicine

Johmarx Patton, MD, MHI  
*Director Of Educational Technology and Standards*  
Association of American Medical Colleges (AAMC)
Workshop Objectives

1. Articulate and prioritize educational technology interoperability challenges in health professions education

2. Propose a set of best practices for interoperability

Organize local participation in an international consortium towards building standards to facilitate integration of health professions edtech systems.
Julie Youm
Introduction & Work to Date
MedBiquitous and WGEA CRIME present
Interoperability for Educational Technology
October 13, 2020
Does this look familiar?
Why are we here?

LCME Element 1.1: Strategic Planning and Continuous Quality Improvement

“A medical school engages in ongoing planning and continuous quality improvement processes that establish short and long-term programmatic goals, result in the achievement of measurable outcomes that are used to improve programmatic quality, and ensure effective monitoring of the medical education program’s compliance with accreditation standards.”

BME WFME Standard 9: Continuous Renewal

“The medical school must as a dynamic and socially accountable institution
• initiate procedures for regularly reviewing and updating the process, structure, content, outcomes/competencies, assessment and learning environment of the programme. (B 9.0.1)
• rectify documented deficiencies. (B 9.0.2)
• allocate resources for continuous renewal. (B 9.0.3).”
What types of systems are used in Medical Education?

- Student Information
- Learning Management
- Curriculum Management
- Evaluation
- Medical School Management (e.g., scheduling, procedure logs, duty hours)
- Reporting
Current Integrations

How do you centralize your data?

- No Integration
- fragile
- struggle
- brute force
- manual
- customized
- legacy
- multiple teams
- API
- LTI

Full Integration
Technology Needs

- Communication
- Warehouse
- Data
- System
- Sustainable
- Streamlined
- GME-friendly
- Consistency
- Integration
- Comprehensive
- Learner-centric
- Complex
- Lake
Alphabet Soup

API
SCORM
xAPI
LTI
SSO
XML
ESB
...

What are some benefits from integration?

- Efficiency (for both data access and processes)
- Greater insight into student and program performance
- Flexibility in adding/replacing tools to meet organizational needs
- Scalability
What are some challenges from integration?

- Few standards for interoperability specific to medical education
- Lack of mainstream vendor support to implement the standards
- Specialized or customized applications used in medical education
- Absence of a unified, collective voice from the user perspective
What can we do?

META Inaugural Meeting
MedEdTech Alliance
Stanford University
July 20-21, 2017
Mission
The mission of the **MedEdTech Alliance (META)** is to promote and advocate for a robust technology ecosystem that supports highly effective medical education and its continuous improvement through best practices, interoperability standards, and requirements convergence.

Vision
The vision of the MedEdTech Alliance (META) is to...

1. **communicate** functional requirements for interoperability with a **single voice**;
2. make META viable nationally through **community and sharing**;
3. develop and evaluate **best practices for interoperability** between specific solutions on an annual basis.
Call to Action

Join the Conversation!
WebEx Training Basics

Pauline Becker (Host, me)

Pauline Becker (Host, me)
For Technical Assistance

- Chat the Host

- send email to medbiq@aamc.org
Breakout #1

Interoperability Pain Point Brainstorm
(25 minutes)
Breakout #1 Report-out
Prioritization of Themes
Coffee Break
(10 minutes)
MedBiquitous Announcements

Dr. Johmarx Patton
MedBiquitous Director
MedBiquitous

Announcements

http://www.medbiq.org/about_us/faq
Webinar Series Returns in January

• Knowledge-sharing sessions from the community
• Invited keynote speakers
• To submit a presentation, contact medbiq@aamc.org
• For listing of prior and upcoming webinars, medbiq.org/mediapublications
Community Connection Newsletter

• Monthly newsletter with updates about the work of the program
• Information on ways for you and your colleagues to contribute
• To sign up, please contact medbiq@aamc.org
• For past newsletters, medbiq.org/news
Working Groups Begin in January

• Committees and Working Groups of MedBiquitous resume work Jan. 2021

• Announcements on participation will be made in the newsletter.

• Contribute to the development of data standards or help develop best practice guides for technology implementation
Join MedBiquitous!

- Influence national/international conversations on education and credentialing data practices
- Network with health professions educators and technology innovators
- Participating organizations include:
  - AAMC, AACN, NYU Grossman School of Medicine, ProgressIQ, ScholarRx and others
- Application and more information, medbiq.org/participation
Thank You!
Breakout #2
Drafting an Action Plan
(30 minutes)
Wrap-up and Next Steps

- Summary
- Formation of working groups
- Follow-up this week:
  - Links to today’s work
  - Poll on community-building needs
  - Workshop evaluation
- December, we will communicate further outcomes with materials for community building at your individual institution

https://medbiq.org/capetihp
Thank You!

Questions?
medbiq@aamc.org