

Thank you for joining us for today's session.

- We will begin the webinar promptly at 1:00 PM EDT.
- Please mute your phone lines to avoid system feedback.
- Please do not use the Hold feature on your phone if your system plays music or an automated message.
- There will be a Q&A Session at the end of the webinar.
- Please “chat” with our organizer, Apeksha Iyer, if you have any technical questions.

Thank you! We will get started shortly!



Workforce Training for Health IT Professionals: Staying Current in the Changing Healthcare Environment

September 20, 2016




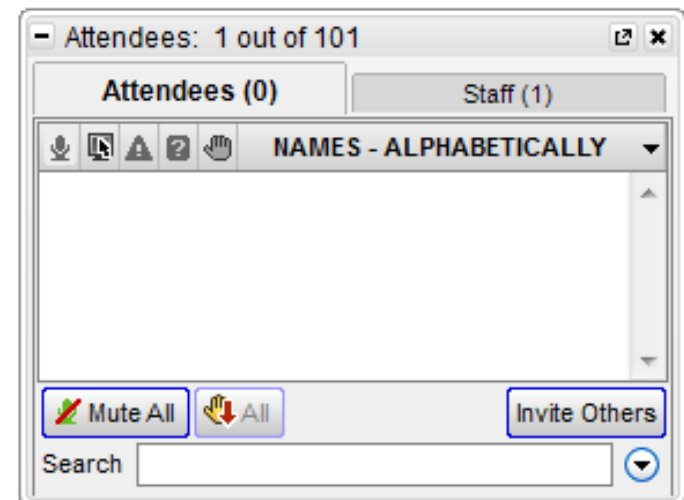
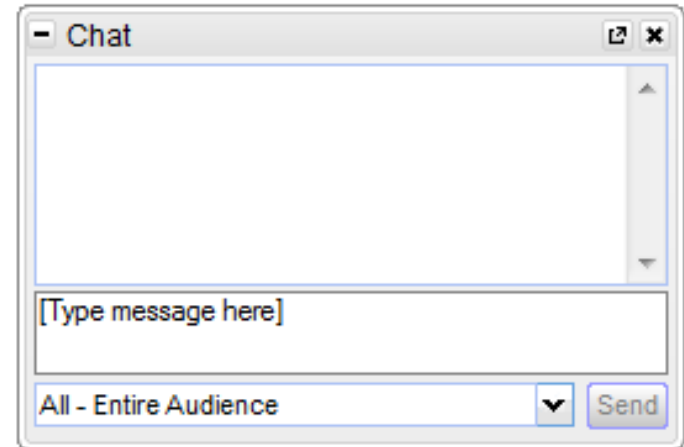
Webinar Environment

Telephone

- All participant lines are muted
- This session will be recorded for posting

Webinar Environment Features

- Send questions using the chat feature during the presentation
 - » Send questions to the organizers, Apeksha Iyer or Heather Plochman
- There will also be a Q&A session at the end of the webinar
 - » Use the  Raise Hand feature to have your line unmuted and ask a question



Webinar Support Team



Today's Subject Matter Experts (SMEs)

- ▶ Dr. Rita Kukafka
- ▶ Dr. Bill Hersh
- ▶ Dr. Kimberly Smith



ONC

- ▶ Dr. Wanda Govan-Jenkins
- ▶ Dr. Maggie Wanis
- ▶ Chitra Mohla



CoP Moderator and Meeting Assistance

- ▶ Apeksha Iyer
- ▶ Heather Plochman

Agenda

Health IT Workforce Training Program - Historical Background

Overview of New Instructional Materials

Training Program Opportunities

Questions and Discussion

Health IT Workforce Training Program – Historical Background

HITECH ACT – February 2009

Sec. 3016. Information technology professionals in health

... shall provide assistance to institutions of higher education (or consortia thereof) to establish or expand medical health informatics education programs....



With healthcare undergoing enormous changes, hospitals and other providers must continually focus on hiring and retaining quality workers ...

Healthcare IT News – May 2013

Health IT Workforce Training Program – Historical Background (cont.)

- In 2010, ONC awarded approximately \$118M to colleges and universities for the development of training materials and educational initiatives to meet projected workforce needs for health IT training.
- The grant goal was to rapidly and sustainably train a new workforce of health IT professionals to help providers implement and optimize electronic health records (EHRs) to improve health care quality, safety, and cost-efficiency.
- The Workforce Training Program was comprised of four integrated programs:
 - » Community College
 - » University Based Training Program
 - » Curriculum Development Centers
 - » Competency Examination for Individuals Completing Non-Degree Training (HITPRO)

Workforce Training Program – Outcome of the First Round of Funding

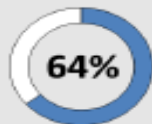
ONC's HITECH Workforce Development Program

University-Based Training Program

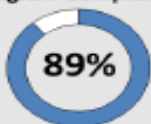


**1,704
Students
Trained**

Employment at
Program Completion



Employment
6 Months After
Program Completion



Close to two-thirds of
students were
employed in health IT
6 months after
program completion

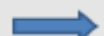


Community College Consortia Program

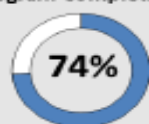


**19,733
Students
Trained**

Employment at
Program Completion



Employment
6 Months After
Program Completion



Two-thirds of students
were *employed in health
IT or had health IT
related responsibilities*
6 months after program
completion*



Curriculum Development



**20 Components
Developed**



**18,000+
Downloads**

**HITPro
Exam**



**9,500+
Exams
Administered**

*Data is from the third survey cohort only. The first two cohorts asked students whether they were employed in health IT. The third cohort had a follow-up question asking students that answered "no" to health IT employment, whether they had health IT responsibilities. The measure above reflects students employed in health IT or had health IT related responsibilities.

Workforce Training to Educate Health Care Professionals in Health Information Technology - Building on the Foundation

- In 2015, ONC awarded 7 grantees \$6.7 million over 2 years to:
 - » Update 20 existing components
 - » Develop 5 new components to support the health IT workforce
 - » Train 6,000 incumbent health care workers to use health information technologies in a variety of settings
- Awardees
 - » University of Alabama at Birmingham
 - » Bellevue College
 - » Columbia University
 - » Johns Hopkins University
 - » Normandale Community College
 - » Oregon Health & Science University
 - » The University of Texas Health Science Center at Houston

INSTRUCTIONAL MATERIALS

- Updated ONC national Health IT Curriculum
- Emerging Topics
- Target: Health Care Workers or Students

TRAINING PROGRAMS

- Many Free
- Length, format, CME/CNE credits, and topics vary
- Target: Health Care Workers



Instructional Material Elements

- Recorded lectures, slide decks, audio transcripts, and audio files
- Activities
- Assessment questions
- Organized into components and units



Instructional Materials: Topics Covered in the Original National Health IT Workforce Curriculum

1. Introduction to Health Care and Public Health in the U.S.
2. The Culture of Health Care
3. Terminology in Health Care and Public Health Settings
4. Introduction to Computer Science
5. History of Health Information Technology in the U.S .
6. Health Management Information Systems
7. Working with Health IT Systems
8. Installation and Maintenance of Health IT Systems
9. Networking and Health Information Exchange
10. Fundamentals of Health Workflow Process Analysis & Redesign
11. Configuring Electronic Health Records
12. Quality Improvement
13. Public Health Information Technology
14. Special Topics Course on Vendor-Specific Systems
15. Usability and Human Factors
16. Professionalism/Customer Service in the Health Environment
17. Working in Teams
18. Planning, Management and Leadership for Health IT
19. Introduction to Project Management
20. Training and Instructional Design

New Instructional Materials: Emerging Topics in Health Care and Health IT

- **Population Health**
- **Care Coordination & Interoperable Health IT Systems**
- **Value-Based Care**
- **Patient-Centered Care**
- **Healthcare Data Analytics**



Population Health

This component covers:

- Role of health IT and emerging data sources in deriving population health solutions
- Application in the context of population health management

Topics:

- Population Health and the Application of Health IT
- “Accountable” Care Approaches for Target Population
- Implications of Policy, Finance, and Business on Population Health
- Research Evaluation and Evidence Generation in Population Health
- Population Health IT and Data Systems
- Big Data, Interoperability, and Analytics for Population Health
- Identifying Risk and Segmenting Populations: Predictive Analytics for Population Health
- Population Health Management Interventions
- Applying Health IT to Improve Population Health at the Community Level
- Engaging Consumers, Providers, and Community in Population Health Programs

Care Coordination & Interoperable Health IT Systems

This component describes care coordination and discusses how interoperability plays an important role.

Topics:

- Overview of Care Coordination
- Team-Based Approach to Patient Care
- Overview of Interoperable Health IT
- Principles and Technology of Health Interoperability
- Standards for Interoperable Health IT
- Implementing Health Interoperability
- Policy and Interoperable Health IT
- Exchange of Health Information
- Expanding Patient Access to Care with Technology
- Privacy & Security of Shared Information
- Supporting Patient-Driven Care Coordination

Value-Based Care

This component describes the movement toward value-based care and introduces key elements of emerging models of care and new payment models.

Topics:

- Introduction to Value-Based Care
- Regulatory Environment
- Overview of New Care Delivery Models
- New Models of Care Management
- Value-Based Quality & Safety
- Volume → Value
- Outcomes and Reimbursement
- Contracts & Payments

Patient-Centered Care

This component describes concepts and skills to encourage patient-centered care.

Topics:

- Introduction to Patient Engagement & Participation
- Behavior Change Strategies
- Activated Patients
- Supporting Patient-Driven Care Coordination
- Patient-Provider Communication
- Communicating Health Risk
- Shared Decision-Making
- Precision Medicine
- Patient-Oriented Data Analytics

Health Care Data Analytics

This component provides techniques and tools to address the challenges of using data analytics in health care.

Topics:

- Working with Data
- Secondary Use of Clinical Data
- Communicating Data Analysis Results
- Patient Identification
- Machine Learning and Natural Language Processing
- Data Analytics in Clinical Settings
- Learning Health Systems
- Usability
- Risk Adjustment and Predictive Modeling

Training Program Opportunities

- Columbia University (New York)
- Johns Hopkins University (Maryland)
- Normandale Community College (Minnesota)
- Oregon Health & Science University
- University of Alabama at Birmingham
- University of Texas Health Science Center at Houston
- Bellevue College (Washington)



Training Opportunities: Columbia University

- **Topics:** Population health, care coordination, interoperability, value-based care, healthcare data analytics and patient-centered care
- **Format:** Self-paced, case-based online training.
- **Audience:** Tailored to specific healthcare roles: physicians, nurse practitioners, physician assistants, nurses, medical assistants, clinical support, clinical executives/managers, administrative executives/managers, administrative/business analysts, IT/data managers, IT/data analysts, front desk/registration staff, care coordinators, case managers, social workers, community health workers, patient navigators, and peer coaches
- Training can be adapted for hybrid or in-person training.
- **For more information:** contact Raven David (rd2501@cumc.columbia.edu).

Training Opportunities: Johns Hopkins University

- **Topics:** 3 tracks: Population Health Policy, Population Health Data Analytics, and Population Health Interventions.
- **Format:** 35 online lectures lasting about 20 minutes each.
- **Audience:** Organizations wanting to train their staff on population health or population health informatics, or individuals.
- Training begins mid-October 2016.
- Additional offerings:
 - » Beginning September 21: Two face-to-face training sessions in Voorhees, NJ for Virtual Health Systems staff.
- **For more information:** Contact pfranci4@jhu.edu.
- **For Population Health Courses:** www.mnhealthit.com/act.html

Training Opportunities: Normandale Community College

- **Topics:**

- » Healthcare Data Analytics; The Business of Healthcare – Value-Based Care; Care Management; Interoperability

Plus

- » Mini-Learning Modules: Covering a range of topics such as quality improvement, health information exchange, and patient engagement

- **Format:** Free, self-paced, online learning courses with in-person and conference delivery options if requested.
- **CMEs** available for a fee (pending approval).
- **Audience:** All healthcare professionals and individuals working in healthcare relevant roles.
- **Schedule:** Training will run in 2-week cohorts starting in October 2016.
- **For more information:** Contact Tracy.Mastel@normandale.edu or visit <https://www.mnhealthit.com/act.html>.

Training Opportunities: Oregon Health & Science University

- **Topics:** Healthcare Data Analytics, including population health, interoperability, and data analytics in clinical settings
- **Format:** Free online course in Healthcare Data Analytics, includes 18 hours of online lectures delivered over two-month period
- **Audience:** Those with a clinical focus on health IT, including physicians (CME and clinical informatics MOC-II credit available), nurses, other healthcare professionals, and health IT/informatics professionals
- Registration open at <https://www.surveymonkey.com/r/onc-course>
- **For more information:** Visit <http://dmice.ohsu.edu/onc-course/>

Training Opportunities: University of Alabama at Birmingham

Developed in collaboration with Health Choice Network of Florida

- **Topics:** Population health, value-based care, data analytics and care coordination.
- **Audience:** Clinicians and other staff at Federally Qualified Health Centers.

Coming soon!

- **Topics:** value-based care, data analytics and population risk management
- **Format:** Free online training
- **Audience:** Anyone working in health care
- **For more information:** Contact Eta Berner (eberner@uab.edu) or Meg Bruck (mbruck@uab.edu).

Training Opportunities: University of Texas Health Science Center at Houston

- **Topics:** Care coordination and interoperability of health IT systems, healthcare data analytics, patient-centered care, population health management and value-based care purchasing.
- **Format:** Free online health informatics training.
- **Audience:** Healthcare professionals working in hospitals, clinics, long-term care facilities, accountable care organizations and other settings.
- Continuing Medical, Pharmacy, and Nursing Education Credits are available
- Training started September 2016, additional training sessions are available
- **For more information:** Visit GO.UTH.EDU/HICATT.

Training Opportunities: Bellevue College

- **Topic:** Introduction to Health Care Data Analytics
- **Format:** Eight-week, 40-hour online course.
- **Audience:** U.S. Veterans Health Administration
- **Goal:** Designed to equip individuals in widely varied clinical and administrative roles to effectively conduct and contribute to data analytics projects.
- Training is available to Veterans Health Administration staff beginning in October 2016.
- **For more information:** Contact Heather Neikirk (heather.neikirk@bellevuecollege.edu).

A National Resource

TRAINING NOW THROUGH JUNE, 2017

Contact Individual College / University

**INSTRUCTIONAL MATERIALS FREE & READY TO DOWNLOAD
JUNE, 2017**

www.HealthIT.gov

INCREASE HEALTH IT WORKFORCE

Healthcare organizations

Health system employees


Workforce development agencies

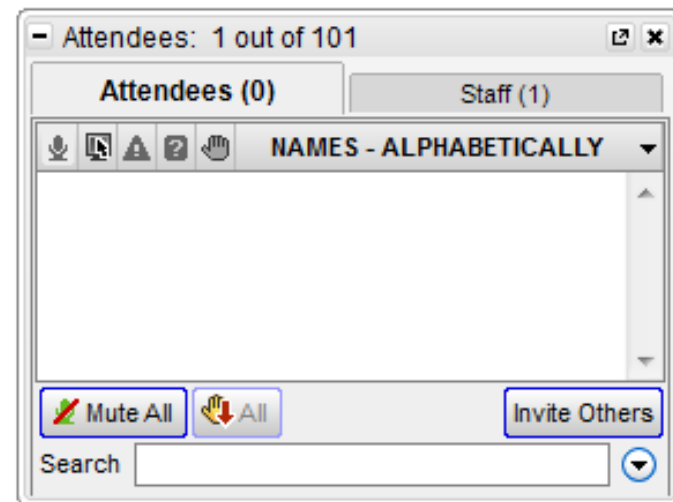
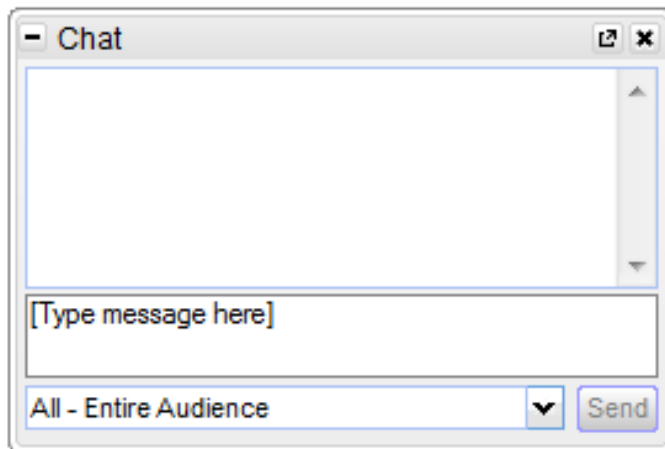
Colleges and universities

Public health agencies



Webinar Environment Features

- Send questions using the chat feature during the presentation
 - » Send questions to the organizers, Apeksha Iyer or Heather Plochman
 - » Use the  Raise Hand feature to have your line unmuted and ask a question



For More Information on Training Programs

- **ONC Workforce Training Program**
 - » Wanda Govan-Jenkins Wanda.Govan-Jenkins@hhs.gov
 - » Maggie Wanis Maggie.Wanis@hhs.gov
 - » Chitra Mohla Chitra.Mohla@hhs.gov

Access Training Materials

- Existing materials are available at <https://knowledge.amia.org/onc-ntdc>
- Updated materials and newly developed materials will be available June 2017 at <https://www.healthit.gov/providers-professionals/workforce-development-programs>
- Free Training – Links that are OPEN for registration NOW – Nationwide Training for All Incumbent Healthcare Workers
 - » The University of Texas Health Science Center at Houston - Care coordination and interoperability of health IT systems, healthcare data analytics, patient-centered care, population health management and value-based care purchasing - go.uth.edu/HICATT
 - » Normandale College - Healthcare Data Analytics and Value-Based Care <https://www.mnhealthit.com/act.html>
 - » Oregon Health & Science University - Healthcare Data Analytics, including population health, interoperability, and data analytics in clinical settings - <https://dmice.ohsu.edu/onc-course/>
 - » Johns Hopkins – Population Health Courses - www.mnhealthit.com/act.html (using same platform as Normandale)
 - » Columbia University – Population health, care coordination, interoperability, value-based care, healthcare data analytics and patient-centered care - Contact Raven David (rd2501@cumc.columbia.edu)
 - » University of Alabama at Birmingham – Population health, value-based care, data analytics and care coordination - Contact Eta Berner (eberner@uab.edu) or Meg Bruck (mbruck@uab.edu)
 - » Bellevue College – Health Care Data Analytics - ONLY Veterans Administration (VA) Staff