



The Office of the National Coordinator for
Health Information Technology



eHealth Workforce Roundtable

Concurrent Session A
24 October 2012, 1300-1400

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Putting the **I** in **HealthIT**
www.HealthIT.gov





- Brief Background
- Health IT Workforce Training Programs
 1. University-Based Program
 2. Community College Program
 3. Curriculum Development Program
 4. Competency Examination Program

American Recovery & Reinvestment Act of 2009 (ARRA / Stimulus Bill)

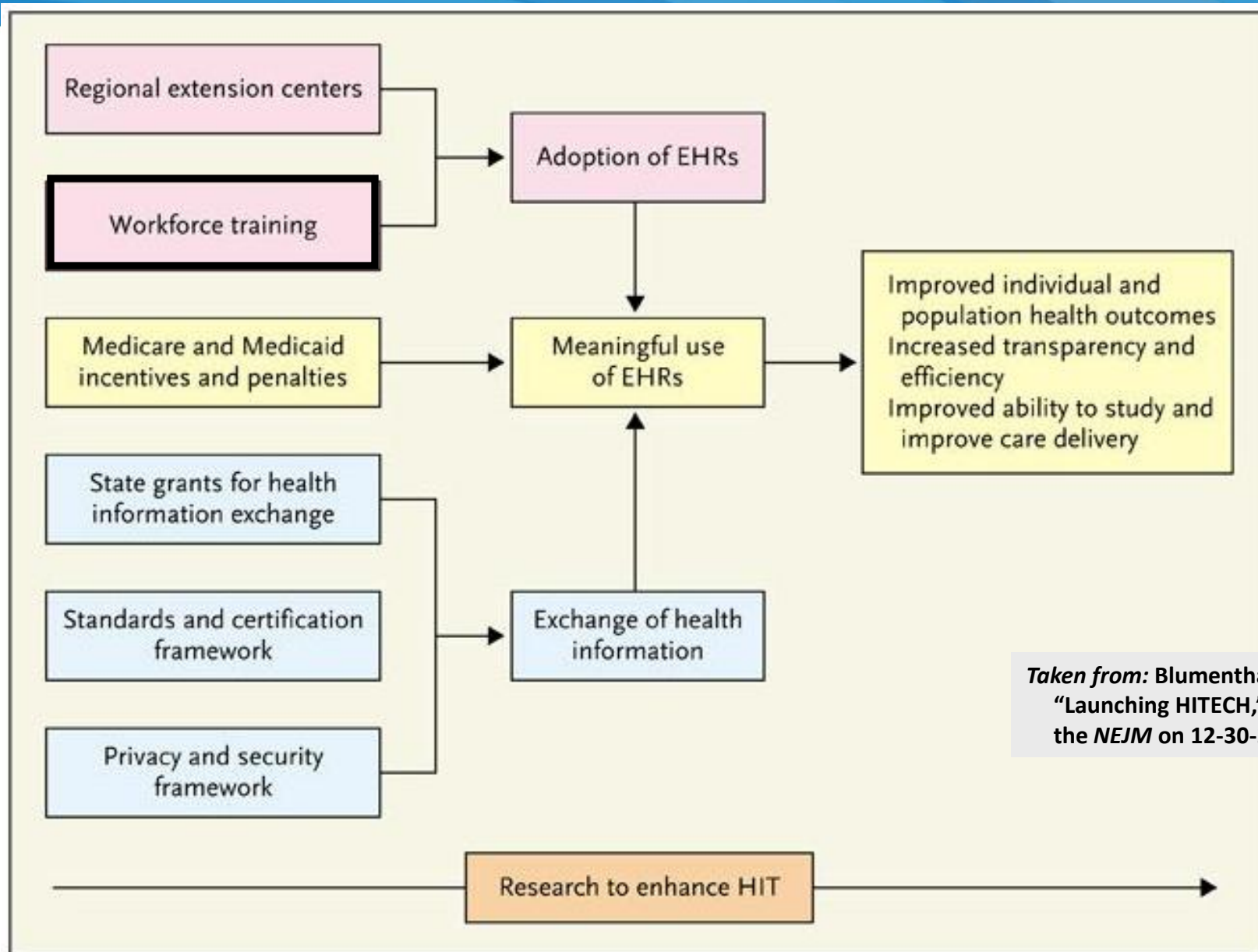


- HR 1 -- 111th Congress
- \$787 Billion
- Healthcare gets \$147.7 Billion
 - \$87B for Medicaid
 - \$25B for support for extending COBRA
 - \$10B for NIH
 - **HITECH Component:**
 - **\$22.5B for EHR Incentives through CMS**
 - **\$2B for HIT Support Programs through ONC**



Workforce Training Grants are part of ONC Programs

ARRA Framework for MU of EHRs



Taken from: Blumenthal, D. "Launching HITECH," posted by the NEJM on 12-30-2009.



Health IT Professionals



University-Based Training

Help more than 1,500 people receive certificates

Community College Consortia

Help train more than 10,500 new Health IT professionals

Curriculum Development Centers

Development of educational materials

Competency Examination Program

Basic Competency Assessment

1. University Based Training Program



9 universities were funded to train professionals at the post-baccalaureate certificate to Master's level over 1-2 years:

- Texas State University (*UT Austin; UT School of Biomedical Informatics Houston*)
- George Washington University
- University of Minnesota (*UM Crookston; College of St. Scholastica*)
- Columbia University (*Cornell U.*)
- Johns Hopkins University
- Oregon Health & Sciences University
- University of Colorado Denver, School of Nursing
- Duke University (*UNC*)
- Indiana University

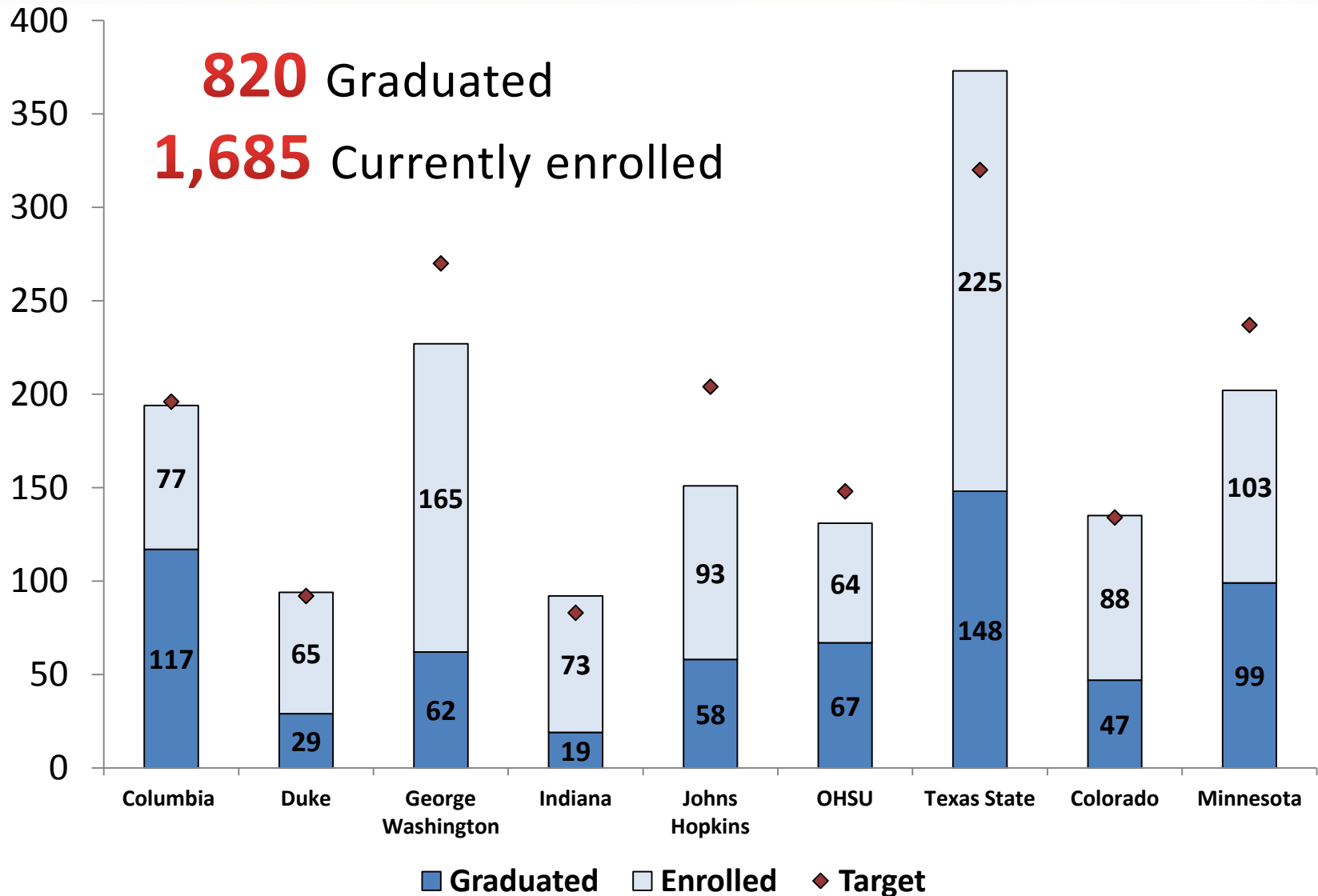
University Based Training Roles



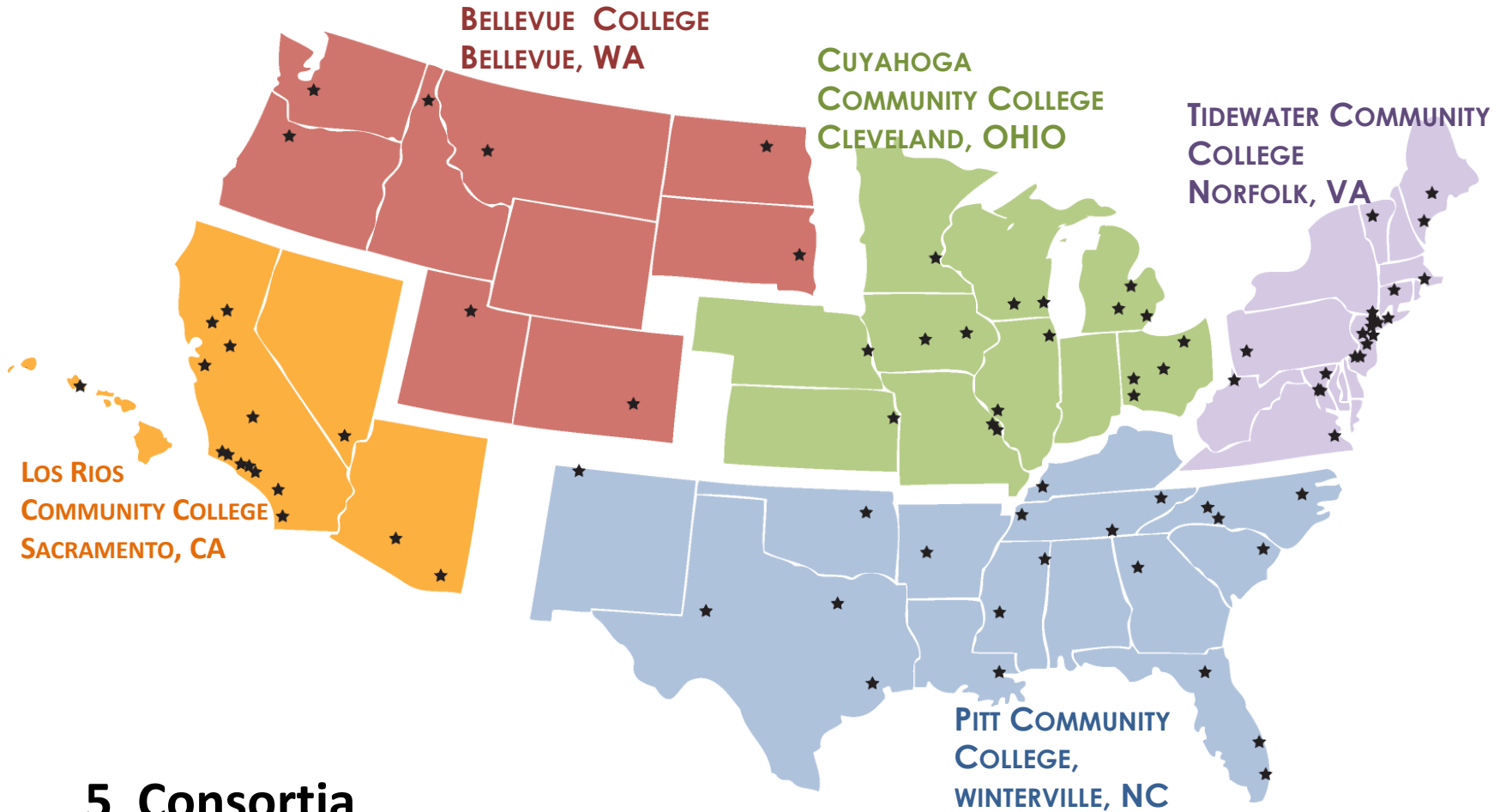
- Clinician or Public Health Leader
- Health Information Management & Exchange Specialist
- Health Information Privacy and Security Specialist
- Research and Development Scientist
- Programmers and Software Engineers
- Health IT Sub-Specialist



University-Based Workforce Training Enrollment and Graduation (as of Sept 2012)



2. Community College Program



5 Consortia
82 Member Colleges

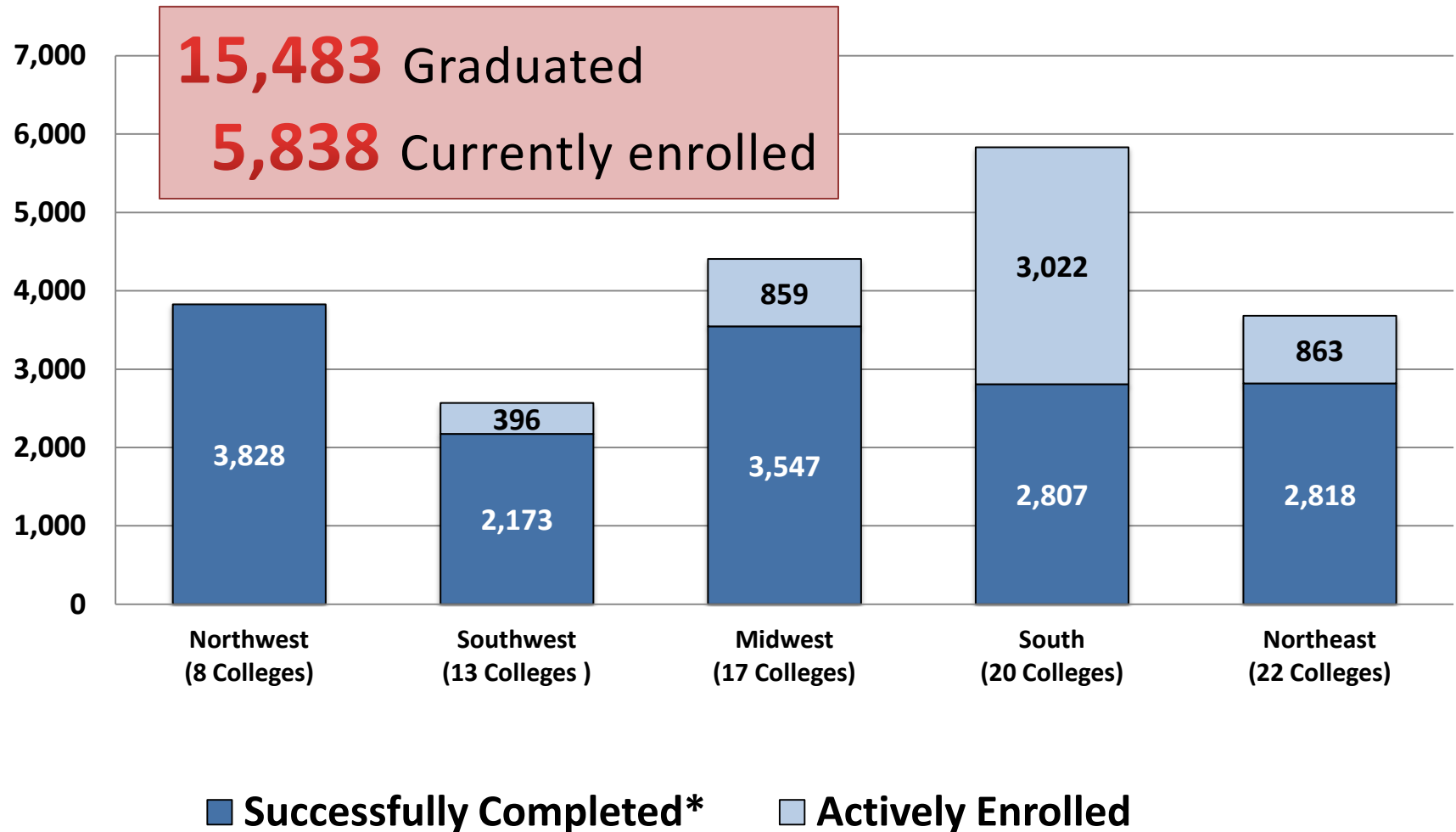
Community College Training Roles



- Practice Workflow Redesign
- Clinician Practitioner
- Implementation Support Specialist
- Implementation Manager
- Technical Software Support Specialist
- Trainer



Community College Workforce Training Enrollment and Graduation (as of Sept 2012)



3. Curriculum Development Program



- Cooperative agreements with 5 universities to support health IT curriculum development that started in April 2010 and is slated to finish at the end of 2012
 - Duke University
 - Columbia University
 - Johns Hopkins University
 - Oregon Health & Science University
 - University of Alabama Birmingham
- Awardees have each developed 4 curriculum components and collectively address 20 content areas

Curriculum Components in 20 Content Areas



- Introduction to Health Care and Public Health in the U.S.
- The Culture of Health Care
- Terminology in Health Care and Public Health Settings
- Introduction to Information and Computer Science
- History of Health Information Technology in the U.S.
- Health Management Information Systems
- **Working with Health IT Systems***
- **Installation and Maintenance of Health IT Systems***
- Networking and Health Information Exchange
- Fundamentals of Health Workflow Process Analysis & Redesign
- **Configuring EHRs***
- Quality Improvement
- Public Health IT
- Special Topics Course on Vendor-Specific Systems
- Usability and Human Factors
- Professionalism/Customer Service in the Health Environment
- Working in Teams
- Planning, Management and Leadership for Health IT
- Introduction to Project Management
- Training and Instructional Design

***lab components**



- One of the awardees, Oregon Health & Science University (OHSU), also serves as the National Training and Dissemination Center (NTDC) for the materials and
 - Established a secure website from which all materials may be downloaded
 - Manages the download process and offers help as needed
 - Supports the VA VistA for Education software used for the three lab components

Curriculum Content Statistics



- 11.2 gigabytes, contained in 18,072 files
- The 20 components of the curriculum contain
 - 9,974 Powerpoint slides
 - Audio lasting over 136 hours (5 days, 16 hours, and 4 minutes, to be precise!)
- Search engine for the text-based files contains 38,181 unique words indexed
- For more details
 - <http://informaticsprofessor.blogspot.com/2012/05/on-c-health-it-curriculum-version-3-and.html>

How to Access the Materials



- To set up a profile and download the components go to <http://www.onc-ntdc.info>
- Visit the ONC website at [hhs.healthit.gov](https://www.hhs.gov/healthit) to learn more about the Curriculum Development Centers program and other ONC health IT workforce development programs

4. Competency Examination Program



Take the HIT Pro™ exam. Become a *HIT Pro*.

Make a difference.

- Demonstrate proficiency in the health IT workforce roles
- 230 Pearson Professional Centers in the US and its territories.



For a limited time the HIT Pro™ exam will be available **at no charge** to test-takers interested in leading the transformation of health IT.

<http://www.hitproexams.org/>

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Thank you!

*For more information, contact:
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