

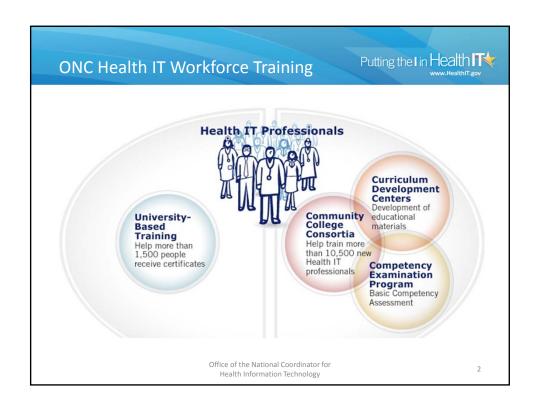
ONC Health IT Workforce Training



➤ Health IT Workforce Program Goals

- Addressing the shortfall of at least 50,000 trained workers
- Training for the future of health IT
- Helping providers implement and "meaningfully use" electronic health records to improve health care quality, safety, and cost-effectiveness

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➤ Program information

- Provides \$10 million in cooperative agreements to 5 institutions of higher education to support health IT curriculum development over a two-year period that began on April 2, 2010, and will end in Spring 2012.
 - Duke University
 - Columbia University
 - Johns Hopkins University
 - Oregon Health & Science University
 - University of Alabama Birmingham
- The awardees have developed 4 curriculum components each and collectively address 20 content areas.

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- Curriculum Components the overall program has produced materials supporting instruction 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

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Curriculum Development Centers



National Training and Dissemination Center (NTDC)

- One of the awardees, Oregon Health & Science University (OHSU), also serves as the National Training and Dissemination Center (NTDC) for the materials.
- This center:
 - Organized and hosted an in-person training event for community college faculty during the first year of the project.
 - 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.

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^{*}lab component



> Program information

- Version 3.0 will be released to the public in mid- to late March 2012.
 - New and improved content, especially on privacy and security, meaningful use
 - Better integration of content across components
 - More robust accessibility features
 - Standardized document formats and naming
 - Search and index tools added to the NTDC site
- Version 2.0 of the materials was released to the public in June 2011 after Version 1.0 had been used by the Consortia member colleges since August/November 2010.

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6

Curriculum Development Centers



> Curriculum Component Terminology

- I. Curriculum, meaning a group of courses at an institution
 - A. <u>Course</u>, meaning a group of related instructional class sessions over a period of time
 - 1. <u>Curriculum Component</u>, meaning the blueprint and teaching materials covering a specific health IT content area that are used to develop a course
 - a. <u>Unit</u> of a component, meaning a lesson or set of lessons on a topic
 - (1) Element of a unit, such as a lecture or activity

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> Content of the Components

- Each lecture is accompanied by the PowerPoint slide presentation, a slide handout, an mp3 audio file, and a transcript of the audio. Flash presentations are also available.
- Also available are learning activities, discussion questions, and self-assessment questions.
- All discussion and self-assessment keys include expected/suggested outcomes and reference unit objectives from the blueprint and the appropriate lecture or other materials.
- The volume of materials (V2) is large: 7.8 GB of information made up of over 12,000 files across 213 units.

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8



> How the Components are Used

- Blueprints have been written for each component to outline component objectives, unit topics and objectives, some detail on the unit lessons and elements
- A matrix of curriculum components and workforce roles has been created as a guideline for using components to train for particular workforce roles, nicknamed the "set table." The matrix illustrates the core set of components for each role for two types of student backgrounds, health care and IT.
- Curriculum components should be viewed as a resource that can be modified, as an "educational buffet." Components do not need to be used in their entirety; rather, colleges may choose the components and units that best fit their needs.

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10

Curriculum Development Centers



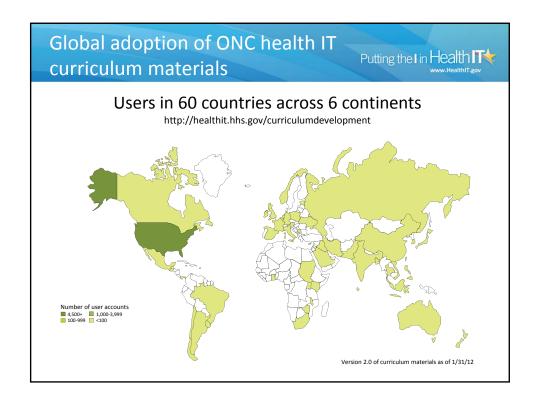
➤ Intellectual property issues

- Per original funding announcement, universities own intellectual property for their components.
- For public rollout, adopting a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 Unported License.
- This means all users can use, share, and adapt but must:
 - Attribute originator of work



- Use only for non-commercial purposes
- Share any changes made under same license

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➤ How to Access the Materials

- To obtain the curriculum materials, go to http://www.onc-ntdc.info to set up a profile and download the components.
- Visit the ONC website at hhs.healthit.hhs.gov to learn more about the Curriculum Development Centers program and other ONC health IT workforce development programs.

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