



ARRA HIT Professional Workforce Development Project Western Region

Los Rios Community College District

Cosumnes River College

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Overview of ARRA

- **Jumpstart the Economy**
- **“Shovel Ready”**
- **Create Jobs**
- **Modernize Infrastructure**
- **Focus on Energy Independence**
- **Expand educational opportunities**
- **Provide tax relief**
- **Protect those in greatest need**
- **Preserve & Improve Health Care**
 - For info goto www.healthit.hhs.gov



HIT/EMR Benefits

- **Health information technology (health IT) management of medical information and its secure exchange between health care consumers and providers.**
 - **improve health care quality**
 - **prevent medical errors**
 - **increase the efficiency of care provision and reduce unnecessary health care costs**
 - **increase administrative efficiencies**
 - **decrease paperwork**
 - **patient access to health records**
 - **expand access to affordable care**
 - **improve population health**



HIT Workforce Demand

- Bureau of Labor Statistics (BLS), Department of Education and independent studies indicate a shortfall of approximately

– **51,000 qualified health IT workers**

- required over the next five years to meet the needs of hospitals and physicians



EHR Use in Provider Offices

- **ONC Survey 2009**
 - **Dr. Office**
 - **Basic-21%**
 - **Full-6%**
 - **Hospitals**
 - **Basic-8%**
 - **Full-2%**



The (Federal) HITECH Act

To achieve the vision of a transformed health system through the use of health information technology. Three critical short-term prerequisites:

- 1. Clinicians and hospitals must acquire and implement certified, interoperable EHRs in a way that fully integrates these tools into the care delivery process**
- 2. Technical, legal, and financial supports are needed to enable information to flow securely to wherever it is needed to support health care and population health**
- 3. A skilled workforce needs to support the adoption of EHRs, exchange of health information among health care providers and public health authorities**





EMR Funding Opportunities

- **Beacon Community Coop Agreement Program- support of demonstration projects**
- **Curriculum Development Centers**
 - **\$10 million to educational institutions for HIT curriculum development**
- **Community College Consortia to Educate Health Information Technology Professional**
 - **Community Colleges funded under this initiative will establish intensive, non-degree training programs that can be completed in six months or less. \$74 million**



EMR Funding Opportunities

- **Program Assistance for University -Based Training**
- **Competency Examination for Individuals Completing Non-Degree Training**
 - **\$6 million to an educational institution to establish competency exam**
- **Strategic Health IT Advanced Research Projects (SHARP) Program**
 - **Fund Research on issues/barriers**
 - **Privacy & security**
 - **Secondary Use of Data**
 - **Network Architecture**
 - **Patient-Centered Support**



Office of the National Coordinator

- **ONC is the principal Federal entity charged with coordination of nationwide efforts to implement and use the most advanced health information technology and the electronic exchange of health information.**
- **Created in 2004, through an Executive Order, and legislatively mandated in the Health Information Technology for Economic and Clinical Health Act (HITECH Act) of 2009.**



ONC Mission

- **Promoting development of a nationwide HIT infrastructure that allows for electronic use and exchange of information that:**
 - **Ensures secure and protected patient health information**
 - **Improves health care quality**
 - **Reduces health care costs**
 - **Informs medical decisions at the time/place of care**
 - **Includes meaningful public input in infrastructure development**
 - **Improves coordination of care and information among hospitals, labs, physicians, etc.**



ONC Mission (cont.)

- Improves public health activities and facilitates early identification/rapid response to public health emergencies
- Facilitates health and clinical research
- Promotes early detection, prevention, and management of chronic diseases
- Promotes a more effective marketplace
- Improves efforts to reduce health disparities
- Certification of HIT products
- Health IT policy coordination
- Strategic planning for HIT adoption and health information exchange
- Establishing governance for the Nationwide Health Information Network



Meaningful Use

- **ARRA authorizes the Centers for Medicare & Medicaid Services (CMS) to provide reimbursement incentives for physician and hospital providers who are successful in becoming ‘Meaningful Users’ of an electronic health record (EHR).**
- **These incentive payments begin in 2011 and gradually phase down.**
- **Starting in 2015, providers are expected to be in compliance or be subject to financial penalties under Medicare.**



Meaningful Use Stage 1

Electronically capturing health information in a coded format, using that information to:

- **track key clinical conditions, communicating that information for care coordination purposes**
- **reporting of clinical quality measures and public health information**



Health Information Technology Extension Program

- Grant program to establish Health Information Technology Regional Extension Centers (REC) to offer technical assistance, guidance and information on best practices to support and accelerate health care providers' efforts to become meaningful users of Electronic Health Records (EHRs).

Health Information Technology *and* For the Future of Health Care



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Certification NPRM Posted



On March 2, 2010, an NPRM proposing the establishment of certification programs for purposes of testing and certifying health information technology was posted.

On December 30, 2009, proposed regulations were issued on the definition of meaningful use and the initial set of standards, and certification criteria for EHR technology.

[Certification NPRM](#) | [Meaningful Use NPRM Standards & Certification IFR](#)

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SPOTLIGHT

- [HITECH Programs](#)
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Email Updates from ONC

Sign up to receive the latest news from ONC, its programs and



Why Health IT?

Health information technology (health IT) allows comprehensive management of medical



Other HITECH components:

- **Regional Extension Centers**
 - Facilitate EHR adoption and meaningful use among primary care providers
- **Health Information Technology Research Center (HITRC).**
 - Analyze and support national efforts to provide technical assistance and develop or recognize best practices
- **State Health Information Exchange Program.**
 - develop plans for coordinating health information exchange (HIE) planning and implementation at the state-level



Western Region Consortium for HIT Professional Workforce Development

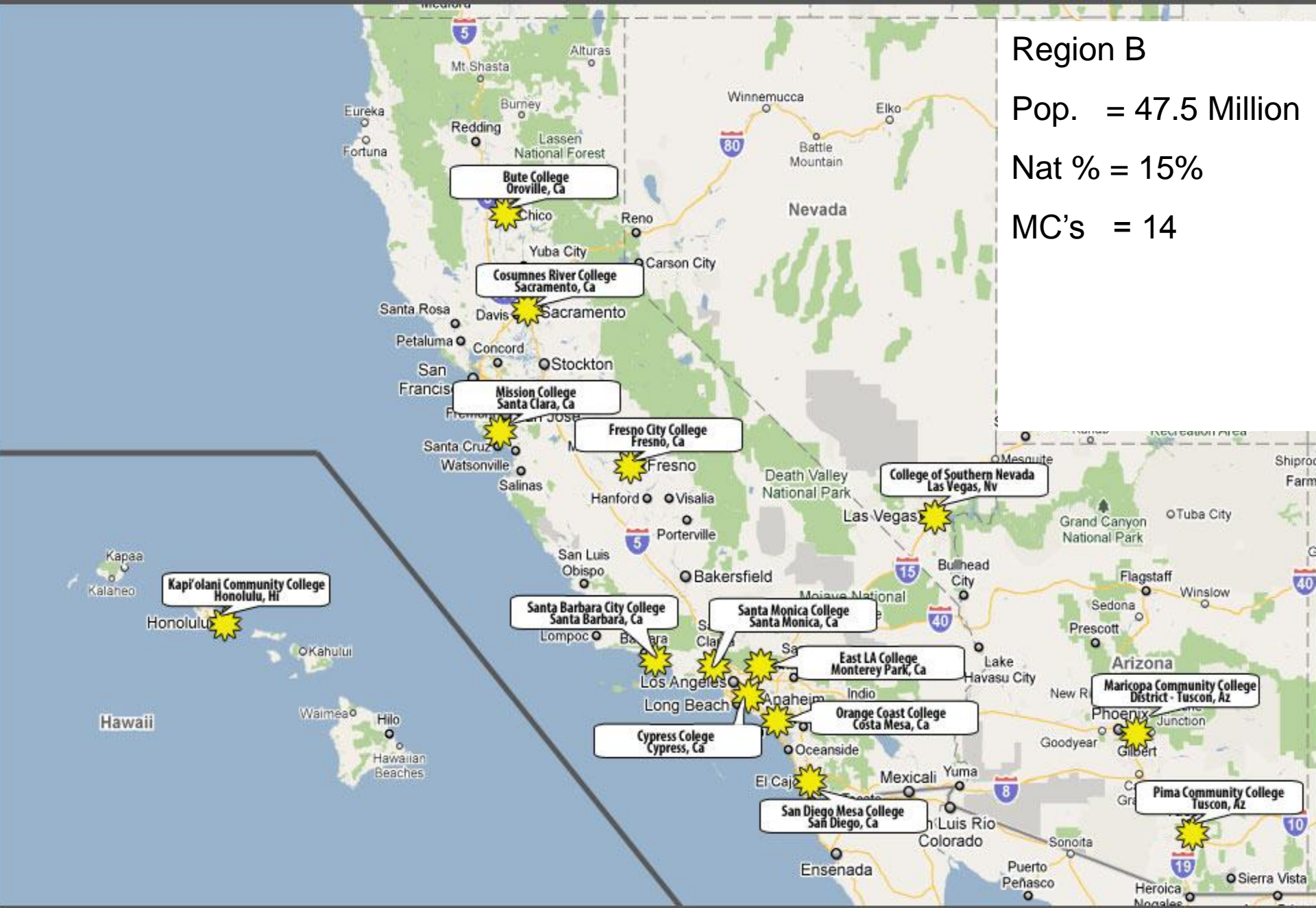
- **One of five regions nationally**
- **2-year project**
- **14 colleges from California, Nevada, Hawaii, Arizona**
- **Los Rios/Cosumnes River as lead to coordinate all 14 colleges, management of grant**
- **Member College Selection**
 - **HIT Program**
 - **Geographical coverage**
 - **Strong IT workforce in region**
- **Implement classes by September 2010**
- **Each college to train 150 workers/year**
- **Coordinate with REC, HITRIC, State HHS, State Chancellor's Office and Regional Health Occupation Resource Centers**

Region B

Pop. = 47.5 Million

Nat % = 15%

MC's = 14



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Worker Types in Project

Mobile Adoption Support Positions

- Practice workflow and information management redesign specialists
- Clinician/practitioner consultants
- Implementation support specialists
- Implementation managers

Permanent Staff of Health Care Delivery and Public Health Sites

- Technical/software support staff:
- Trainers



Curriculum Development

- **Universities led by Oregon Health and Sciences University**
- **Team Universities**
 - **Duke University**
 - **Columbia**
 - **University of Alabama**
 - **Johns Hopkins**
 - **Partnering community colleges are involved in project**
 - **Leads for each region are on Training and Dissemination workgroups along with University partners.**
 - **Train the Trainer conferences scheduled August 9-11 in Portland**



Curricula to Be Developed

- **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**



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Curricula to Be Developed

- **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**



Project Status

- **Grant budget in negotiations for approval by ONC target July 1**
- **Operational plans have been submitted to the ONC and are being reviewed alongside final budget**
- **Plans for the Train the Trainer Event in Portland are under way**
- **Curriculum Modules are under development and slated for readiness for the August conference**
- **Target for class startups September 30**
- **Develop partnership with UC Davis Health Information/Telemedicine Program**
 - **UCD will hold slots for HIT Consortium project graduates in their graduate program in telemedicine**
- **Develop partnership with Betty Irene Moore School of Nursing at UC Davis for a Master of Nursing in Health Informatics**



ARRA HIT Professional Workforce Development Project Western Region

Mission

The Mission of the Western Regional Health Information Technology Consortium is to promote the achievement of Meaningful Use of EHR by health care providers through selecting, preparing, and deploying Health Information Technology specialists for the needs of the modern health care system who can implement their skills in the inpatient as well as the primary care and physician offices of the future. These workers will be workforce ready upon graduation, and prepared for movement into positions of high responsibility and authority as well as higher education.



LOS RIOS
WORKFORCE & ECONOMIC
DEVELOPMENT

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