

Workforce Development

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My Background and Biases

- Computer Science converted to Informatician
- Worked on LOINC and the Indiana HIE for 10+ years
- Now I teach and do research on HIE systems
 - Mainly in the area of public health
- I have taught an HIE course for 7 years
- I published a book on HIE in 2016 because none existed



Background and Assumptions

- Health Information Exchange (HIE) is critical to the success of every eHealth Strategy
- No country has enough HIE-trained individuals to support HIE at-scale within a country
- Few health care workers or lay people understand HIE



How is HIE Taught Today

- Single module within an informatics course
 - Interoperability module in Intro to Health Informatics
- An entire course within a program (or independent)
 - Interoperability & HIE Course part of MS program
 - AMIA 10x10 Course @ IUPUI
- Trial by FHIR...



Example from Public Health Informatics



Opportunities: Workforce Roles and Types of Informatics Competencies



Executive / Leadership Role

Plans, directs, and formulates policies, sets strategies and provides the overall direction of agency's informatics Activities.

Manager / Program Leader Role

Directs, manages, and executes day to day operational objectives of public health programs.

Professional Role

Applies specialized informatics knowledge, informatics theories, concepts, methods, and tools to ensure effective programmatic use of information and information technology.

Health / Clinical (Licensure) Role

Applies informatics theory and practice to the design and use of clinical information systems within a public health agency, or in the design of public health information or decision support systems to better support Health/care.

Source: 2013 - CDC, Public health Informatics Institute / Minnesota Dept. of Health with input from ASTHO & NACCHO Members



My Proposal for HIE

- We need to develop a framework like PH Informatics
 - What level of training is necessary for clinicians?
 - What level of training is necessary for MOH/health sys leaders?
 - What level of training is necessary for MOH workers?
 - What level of training is necessary for Health IT workers?
 - What level of training is necessary for Interop Specialists?
- Framework based on the OHIE Architecture such that specialists have deep knowledge of it AND its components
 - Others need some familiarity with it – but how much?



Outstanding Questions and Challenges

- At what level might HIE training fit?
 - Bachelors, Masters, Post-graduation, Certificate?
- Who will train the HIE workforce?
- How will the training be financed?
- How do we continue this conversation?



Questions?

Discussion



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