Empowering the Consumer through Accountable-eHealth (AeH) Systems

Dr. Randike Gajanayake, Daniel Grunwell & Dr. Tony Sahama
KEY PROBLEM AND AIM OF THIS INNOVATION

Have to Achieve a Correct Balance

Healthcare Provider Requirements
- Expect better, faster, easy access to as much information as possible

Competing concerns
- Concerns over the safety of their sensitive information and possible breaches of privacy

Consumer Requirements
- Expect better, faster, easy access to as much information as possible

Goal
APPROACH

- Technological Innovation
  - Consumer policies with Health Services
  - Access Control with demarcation lines rather than rigid restriction

- Socio-Technical Innovation
  - Adoption
  - Meaningful Use
  - Economic Impact

- Legal Aspects
  - Information privacy Vs Information Access
  - Model implementation
The Health Roundtable
OUTCOMES SO FAR

Accountable-eHealth Model

The Health Roundtable
FUTURE WORK

- Semantic Reasoning
  - Automating the Accountability Services
    - Building Knowledge Ontologies

- User Studies
  - Trials in a Clinical Environment

- Legal Models for system implementation
  - Data Ownership/Access/Use
  - Information privacy Vs Information access
  - Dispute resolution