

Mohawk College Presentation to OHT

April 14, 2008



Mohawk Applied Research Centre – Health Informatics

- n Applied research vs. academic research
 - n It is intended to learn what happens when the “rubber hits the road”
 - n The two are complementary
- n Consistent with Canada’s/Infoway’s goals – evidence-based architecture and standards development
 - n The project design will adhere to Infoway’s EHR Blueprint
 - n Implement interoperability standards



Overview of MARC HI

- n Consistent with Mohawk's goals
 - n Leverage college's key strengths in information technology and healthcare
 - n Leverage relationships with private sector partners to develop real-world solutions to real-world problems
 - n Cultivate the expertise and experience to introduce a Health Informatics specialization in the IT diploma program



...vision like a hawk

Mohawk College EHR Project

- n The Mohawk Applied Research Centre in Health Informatics (MARC HI) is building a reference implementation of the Canadian Electronic Health Record Solution
- n The project design will adhere to Infoway's Canadian EHR Blueprint



Mohawk College EHR Project

- n All code will be released through the Open Health Forge
- n Messaging and services to handle Discharge Summary, Referral and Health System Management have been built so far:
 - n HIAL, LRS, EHR Index, Authentication, Consent, Auditing, Client Registry, Provider Registry, Interoperable EHR



Mohawk College EHR Project

- n Testing tools
 - n Test suite generator
 - n Unit tester
 - n Load tester
 - n XML template editor
- n Database schema
- n Orchestrations



Mohawk College EHR Project

- n Partners could use the Mohawk code to create their own instance of the HIAL and related services
 - n Non-trivial task involving setting up approximately 20 servers
- n Partners could use the Mohawk testing tools to send and receive messages to Mohawk's instance of the HIAL over the Internet
 - n Much simpler than former option

