

Manitoba's Electronic Health Record Project

Manitoba Nursing Informatics Association

May 17 2010

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The key to connecting your health information

- The electronic health record is a **secure and private** lifetime record of a person's key health history, available to be viewed electronically by **authorized** health care providers anytime, anywhere.
- The electronic health record brings together patient information collected at multiple points of care including hospitals, clinics and other care facilities.



Opportunities

Clinicians

- Immediate access to reliable patient information to support and improve the quality of clinical decisions, treatment and diagnosis
- Efficiencies in workflow and practice with less time spent calling/paper chasing for information (past labs, medications)
- Collaborate and share patient information with health care providers across the continuum of care strengthening networks and relationships

Patient

- Avoid unnecessary, duplicate testing
- Knowledge of key health history is available to health care providers
- Increased quality and safety of care




Progressing Toward a Comprehensive Record

- The journey to a comprehensive record is underway – and it will take many years
 - This project will begin to bring information together through a single solution
 - Additional information will be added over time
 - A limited number of sites and users will be selected for the initial implementation
 - Additional sites and users will be added over time



System Selection


 The electronic health record system has been chosen with broad stakeholder input

➤ Key system functionality was defined based on:

- Stakeholder Engagement
- Industry Experts
- Other Jurisdictional Requirements
- Canada Health Infoway Requirements

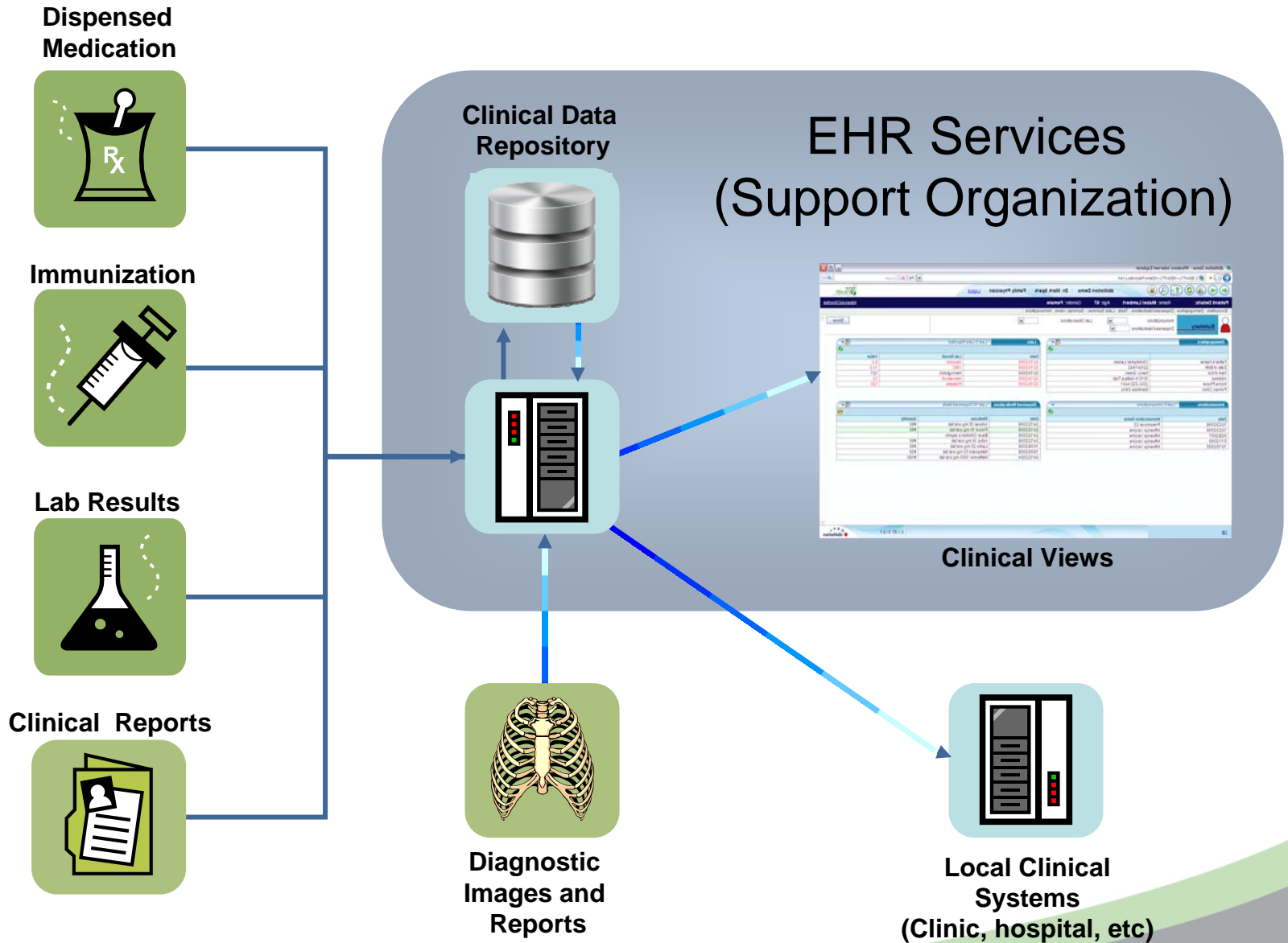
➤ Evaluation of the proposed solutions included following stakeholders:

- Clinicians (physicians, allied health, fee for service, salaried)
- Health Sector Executive
- Technology and System Architecture Experts
- Privacy and Security

 The solution selected through this process is largely an “out of the box” implementation



What We Are Delivering



Manitoba's Electronic Health Record Project

Release 1

- ➊ Production ready - "first user" live by end of Dec 2010
- ➋ Controlled implementation over ~6-9 months
- ➌ On screen viewing of clinical activity (viewing access only)
 - Drugs dispensed at retail pharmacies (DPIN)
 - Provincial immunization information (MIMS)
 - Patient demographics, PHIN and other identifiers
 - Lab results from Winnipeg LIS, Brandon LIS and private labs
 - Trainor, Unicity, Assiniboine, Central Medical
- ➍ Early integration with clinic based systems
- ➎ EHR Services support organization



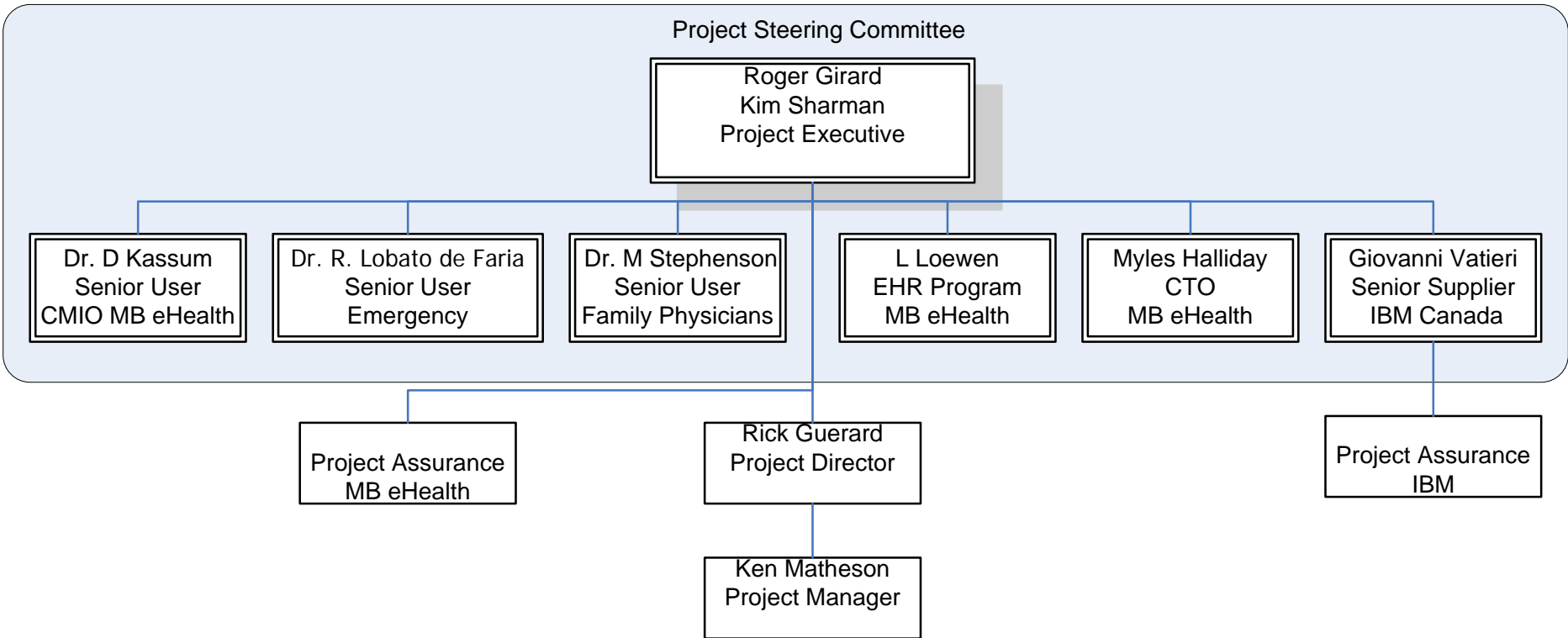
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Release 2 – 2011

- Detailed planning to be initiated in June 2010
- Current Scope
 - Diagnostic imaging and reports (RIS and PACS)
 - Additional lab results - Cadham Provincial Lab
 - Additional clinical information
 - Enhanced integration with local systems



Project Governance



Electronic Health Record Program

- ➊ Program is being developed in parallel to the solution
- ➋ Developing “principles” and procedures across many areas including:
 - Overarching electronic health record program
 - Access and use
 - Control of personal health information
 - Information integrity
 - Information management (change, correction, etc)
 - Operational controls
- ➌ The following are the initial overarching program

 principles

Electronic Health Record Program Principles

1. The electronic health record will be a trusted source of information.
 - All clinical and demographic information will be provided from source systems (i.e. users will not enter data directly).
 - Information contained in the electronic health record will be an accurate copy of data received from source systems.
 - Information from source systems will not be modified in the electronic health record.
 - Any corrections, deletions and additions to information will originate from source systems.



Electronic Health Record Program Principles

2. The electronic health record will collect PHI for providing health care.
3. The electronic health record system will be intuitive and easy to use, even for infrequent users.
4. The electronic health record system will be developed as a resource for authorized health-care providers with minimal downtime (24/7).
5. The electronic health record program will have repeatable and scalable processes to support the operation of the program and implementation of new users.



Electronic Health Record Program Principles

6. The electronic health record program will comply with all relevant legislative and regulatory requirements.
7. The electronic health record will maintain the security and confidentiality of information while in transmission and storage.
 - Only authorized health-care providers will have access to information in the electronic health record.
 - Authorized health-care providers will only access the information they “need to know” for provision of care and treatment.
8. The electronic health record program will establish formal relationships with source organizations and end users that outline accountability and obligations through agreements and other mechanisms.



Electronic Health Record Program Principles

9. The electronic health record program will provide the public and health-care providers with information about the electronic health record and how individuals can initiate disclosure directives and/or access their personal health information held within the electronic health record.
10. The electronic health record program will have clear technical standards and guidelines to ensure interoperability with source systems and achievement of desired business functionality.
11. WRHA/Manitoba eHealth is the trustee for data held within the electronic health record system, as such, the electronic health record program will follow the policies and practices of the WRHA.



EHR Demo



Questions?

Additional information available:

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