

Vision for Health Information Systems: the Manitoba Perspective

Manitoba Centre for Health Policy
20th Anniversary Conference
March 8, 2010

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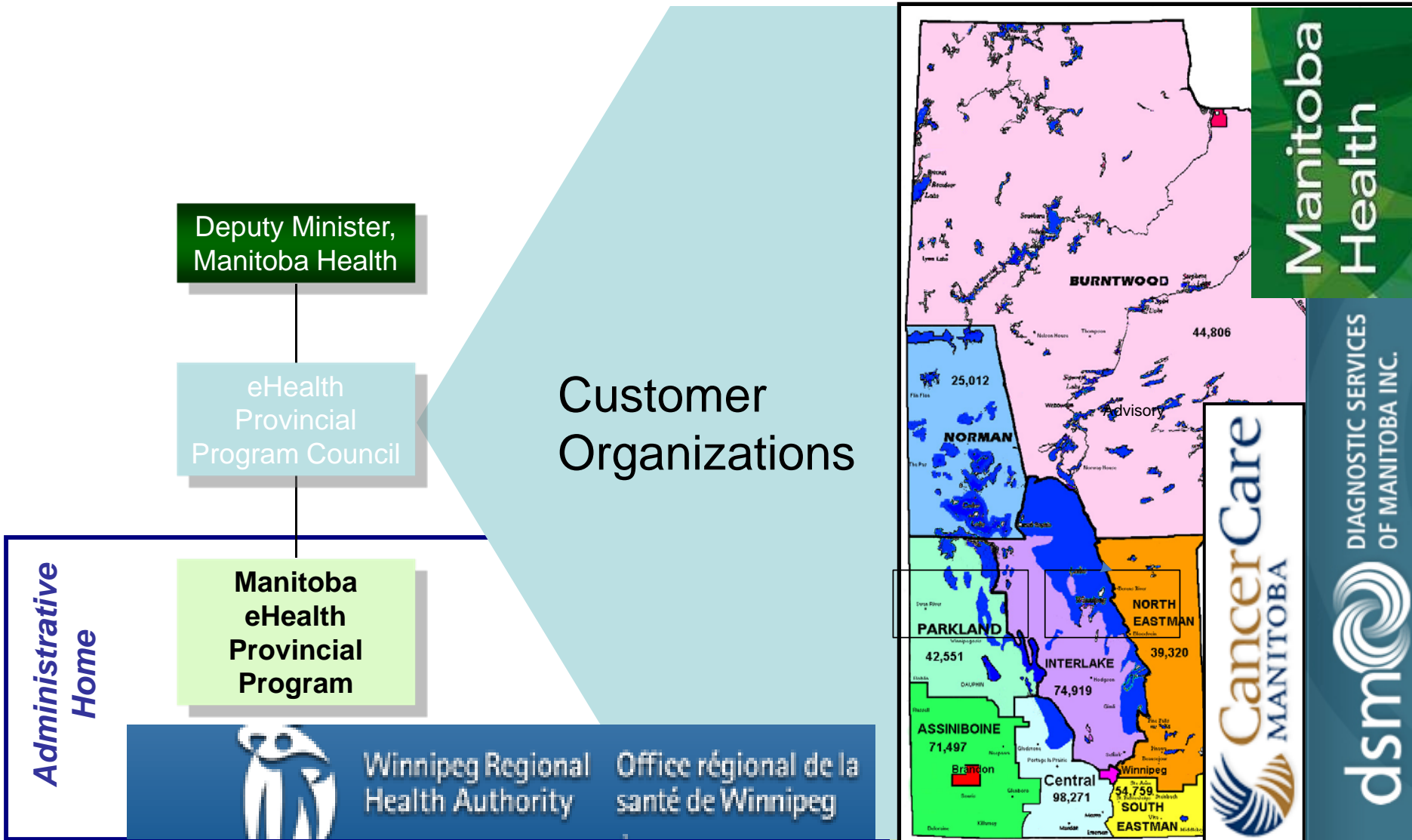


Overview

- ➊ Manitoba Context
- ➋ Framework for eHealth Strategy
- ➌ Health Information Vision
 - Data management
 - Information flow
 - Information usability
 - Information access
 - Research value of information assets
- ➍ Realizing the Information Vision
- ➎ A Higher Vision: analysis-informed health care



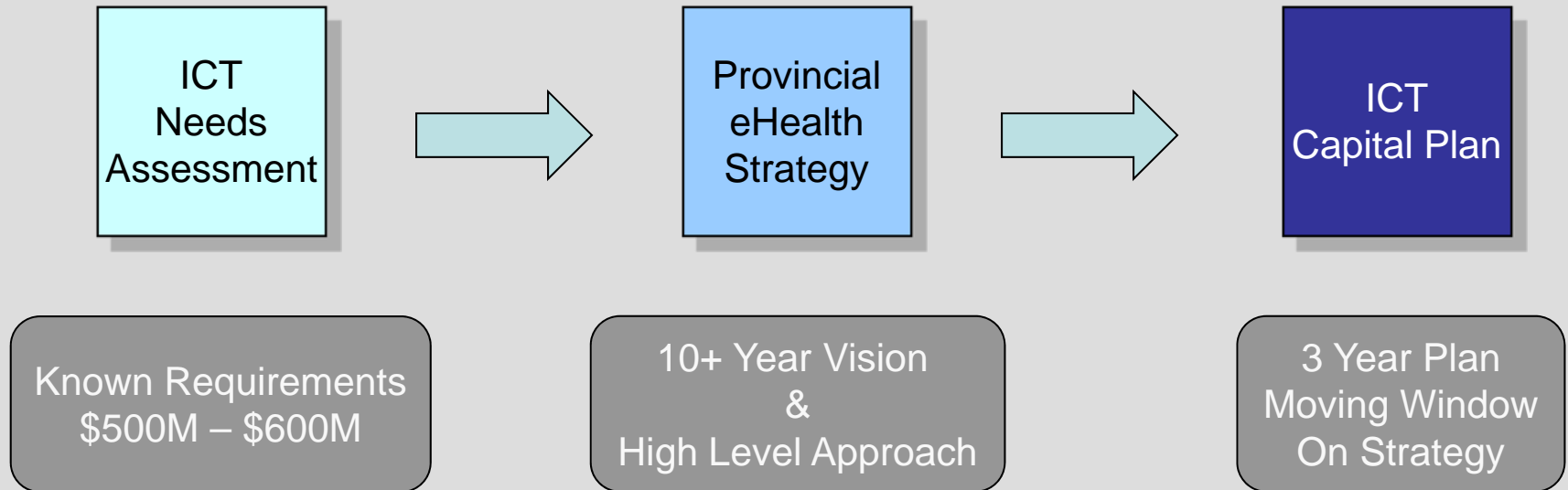
The Manitoba Context



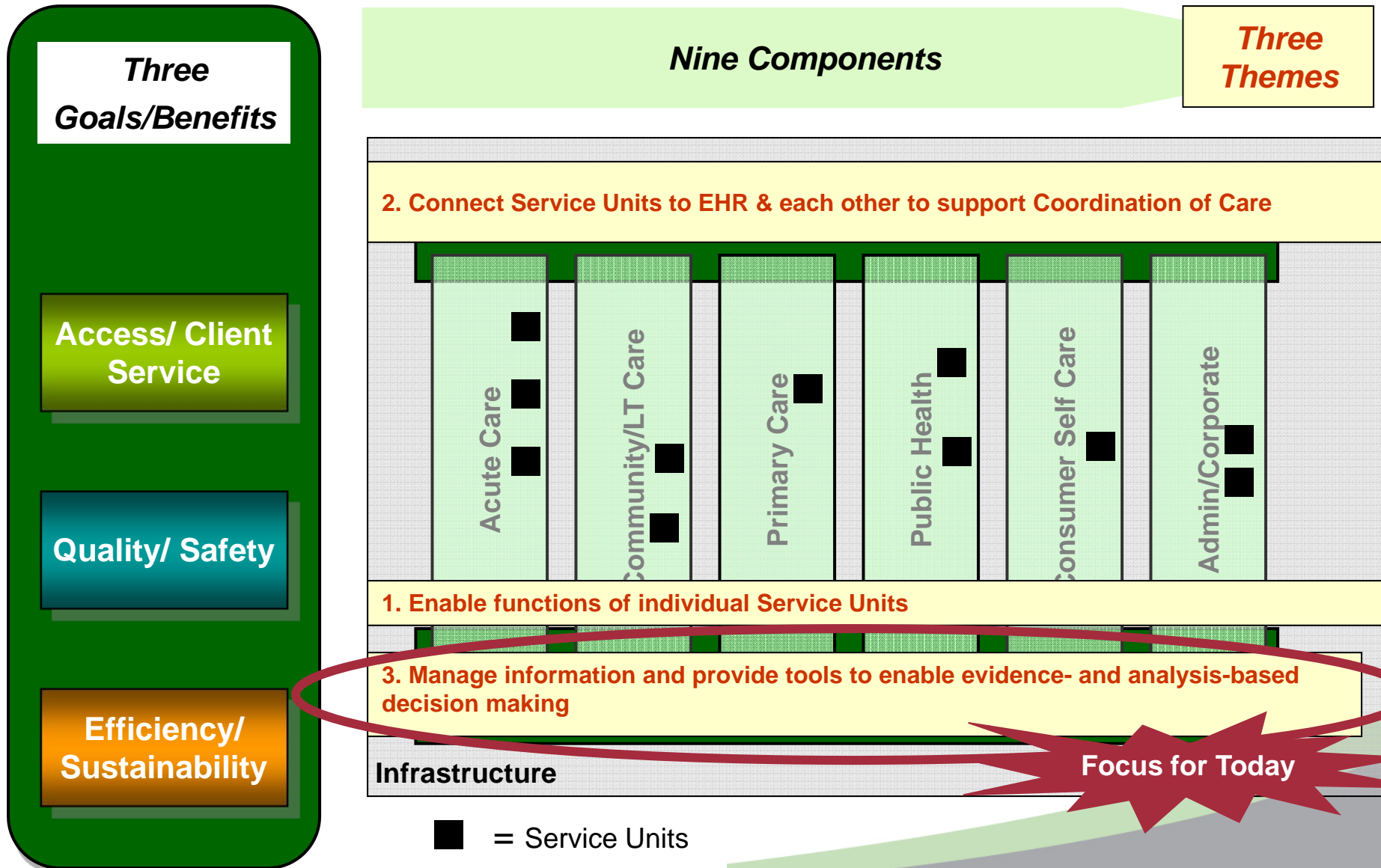
Manitoba eHealth Mandate

- Integrate healthcare systems across regions and care sectors
- Improve and expand healthcare services by managing ICT to achieve economies of scale province-wide; and
- Improve the efficiency and effectiveness of ICT services.

Strategic Context



Framework for eHealth Strategy



Vision for HSM: Data Management

Security of data through technology and management practices

De-identification to preserve privacy

Linkage of data to support broad systemic analysis

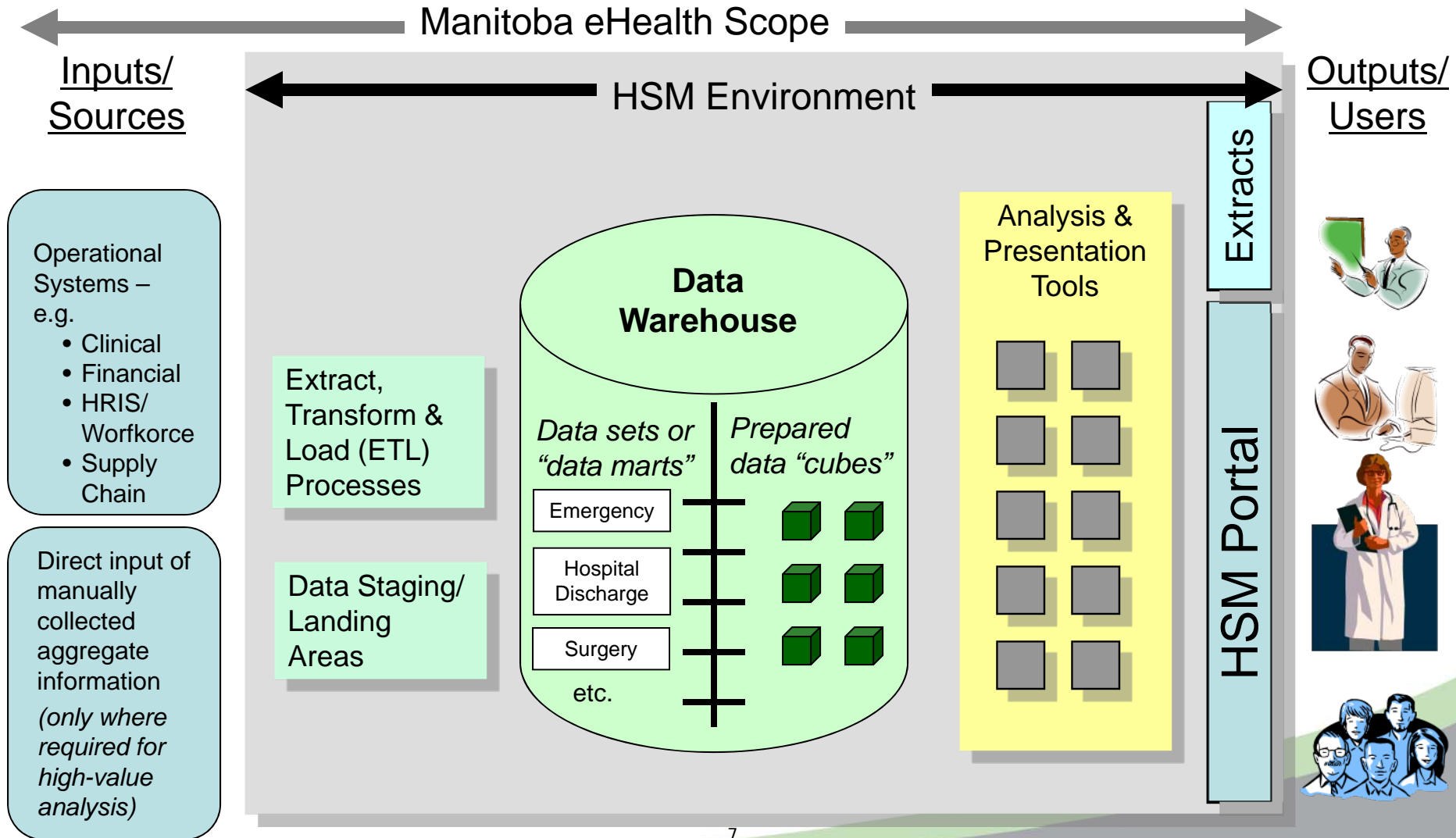
Maintenance of data granularity

Collection of data from all major operational systems

Standardization of data



Vision for Information Flow



Vision for Information Usability



			Manitoba-Wide Reengineering of Referral Practices
Advanced Access Initiative for Clinic Y		Regional Internal Benchmarking of ER Wait Times	
Weekly Performance Reports for Ward X			Tuberculosis Surveillance for Manitoba



The activities illustrated are only examples



Vision for Information Access

- Access can be limited to site, program or regional views
- Organizations have access to their own data and can authorize or withhold access by others
- Privacy, security and information management/trusteeship responsibilities are enforced through the right combination of policy, agreement, procedure and technology support



- Access requests for research purposes must be made through the collecting organization (trustee)
- It is the responsibility of the collecting organization to ensure that required research and HIPC (if applicable) approvals have been obtained before releasing information
- It is the responsibility of individuals working within collecting organizations to recognize when they are acting in a research vs. a management role and to follow the applicable protocols



Vision for Research Value of Information Assets

- ❶ We believe this strategy will furnish information of high value to researchers and should meet their needs through:
 - Standardization
 - Structure
 - Quality
 - Comprehensiveness
 - Timeliness
- ❷ Through arrangements made with eHealth's customer organizations, these information assets can be made available in an appropriate manner for research use. (eHealth cannot provide access without these arrangements being made.)



Realizing the Vision: Our Starting Point

Current Manitoba situation is a long way from this Vision:

- 📍 Some good “data marts” in place (e.g. Emergency Medicine) but coverage sporadic and datasets defined in isolation
- 📍 Historically, a lack of consistent attention to health system management needs in implementing operational systems
- 📍 Lack of an integrated health system management environment and toolset
- 📍 Limited capacity within eHealth to fulfil its role in this area
- 📍 Confusion about policies and procedures
- 📍 Level of buy-in to the value of investment in health system management uncertain

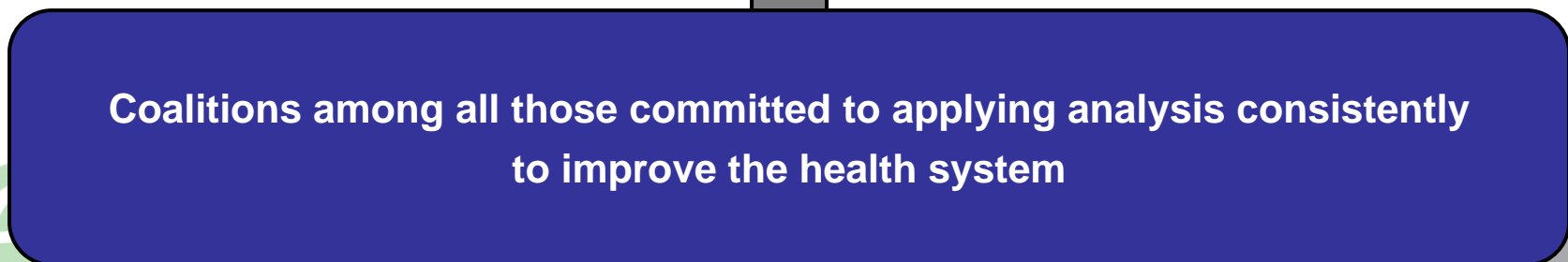
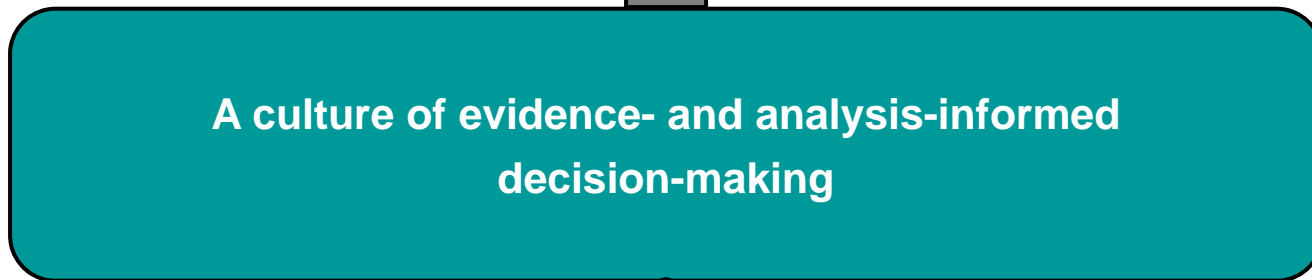


Realizing the Vision: Keys to Moving Forward

- 🅔 "Seize the opportunities" as new operational systems are implemented
- 🅔 For existing operational systems, find a few "early wins" to build momentum and support
- 🅔 Give preference to initiatives that build partnerships or coalitions and spread know-how
- 🅔 Implement data warehouse infrastructure as part of other projects where possible - avoid large technical projects that don't produce clear clinical/business value
- 🅔 Define and communicate key policies and procedures related to information access and use



A Higher Vision: Coalition for Analysis-Informed Health Care



A Modest Working Example: Manitoba's Physician Integrated Network (PIN) Initiative

