



## Clinical Transformation Enabled by Information Technology

- UVic eHealth Observatory
- BE Framework and Maturation Stages
- Rapid Response Evaluation Methods
- Physician Office EMR Evaluation Studies

1

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## What is the UVic eHealth Observatory?

- **Overall Aim**
  - Monitor effects of HIS deployment and use in Canada
- **Specific Objectives**
  - Employ models/methods/metrics to evaluate HIS adoption/use/impact
  - Engage eHealth community in KT to synthesize/share/use knowledge
  - Build research capacity in HIS implementation/evaluation
- **Program Scope**
  - Medication management, EMR/EHR integration; care providers ...
  - Secondary use in performance management
- **Contexts**
  - System related: eDrug, EMR, lab and EHR in BC and elsewhere
  - social/healthcare related: communities, organizations, domains

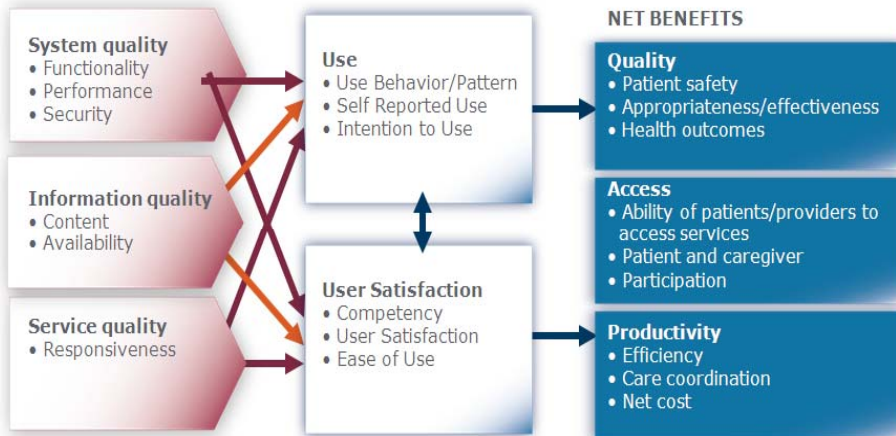


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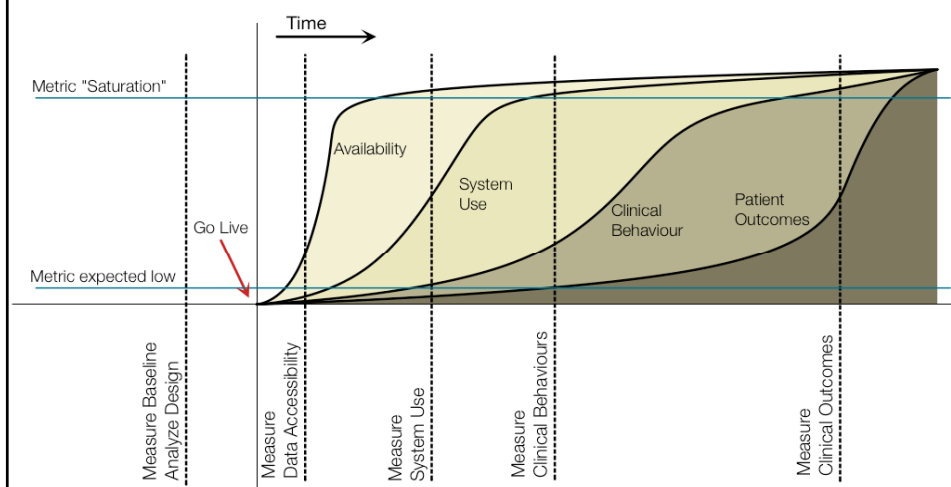
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# Canada Health Inforoute Benefits Evaluation Framework



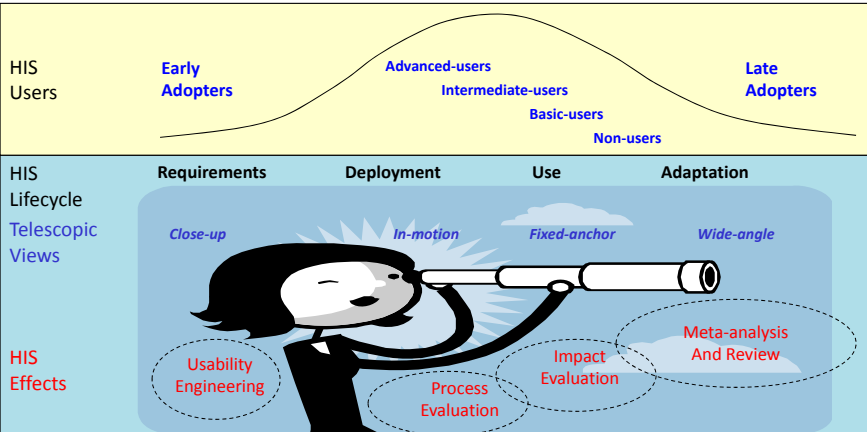
# Health Information System Maturation Stages





# RREM - Rapid Response Evaluation Methods

## Assembling an HIS evaluation methodology toolkit



5



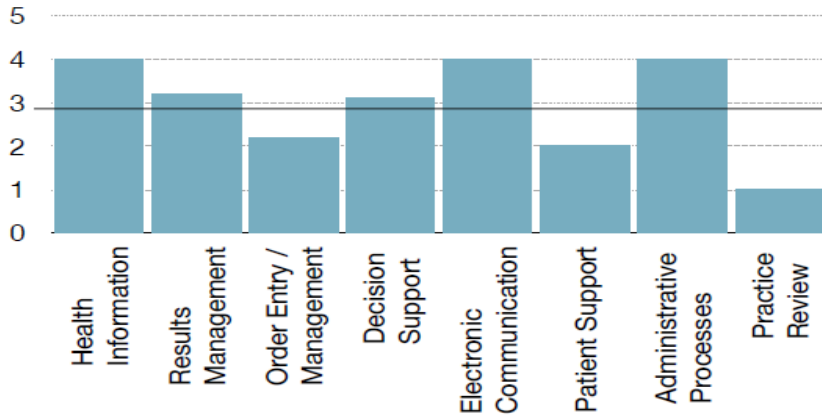
# RREM - Physician Office EMR Systems

	HIMSS Levels	IOM Features
5	EMR Integrated with Health System, Point of Reflection CDSS	Health Information & Data
4	Electronic Chart with Advanced Point of Care CDSS	Results Management
3	Electronic Medical Record (more passive record)	Order Entry / Order Management
2	Hybrid Electronic Paper Chart	Decision Support
1	Online Access to Reference Materials	Electronic Communication
0	Paper Charts for Clinical Information	Patient Support
		Administrative Processes
		Reporting & Population Health

6



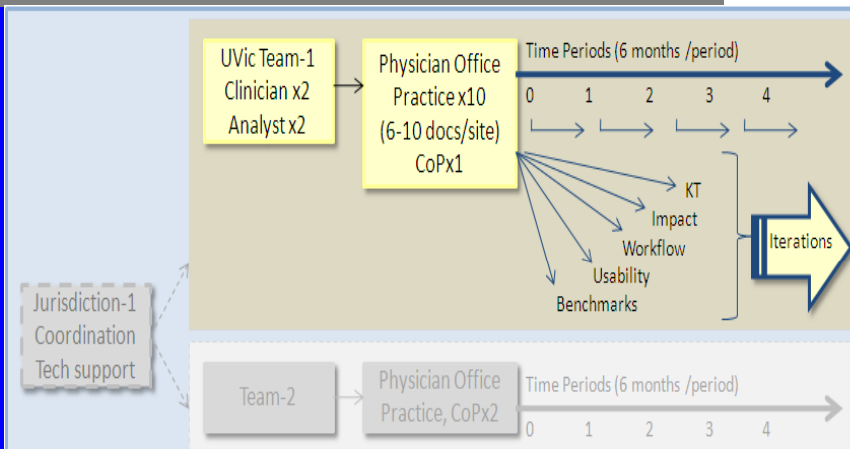
## RREM - EMR Adoption Model Benchmarking



7



## RREM - Physician Office EMR Evaluation Studies



8

Lau F, Price M, Bassi J, Boyd J EMR Rapid Response Evaluation Plan. Feb/2010 – unpublished.