



Queen Mary
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The largest single barrier to Learning Health Systems

Introduction

- What are we doing?
- Barriers to Learning Health Systems
- The Biggest Single Barrier to LHS
- Questions

What are we doing?

PamBayesian seeks to:

- Create intelligent medical decision support systems with real-time monitoring:
 - For the treatment of chronic conditions
 - Create new knowledge using BNs built with;
 - Expert input and training knowledge from retrospective anonymised patient data;

The Learning Health System is:

- A system in which progress in science, informatics and care culture converges:
 - And as a natural by-product of care;
 - Creates new knowledge;
 - In which expertise and best practice are applied;

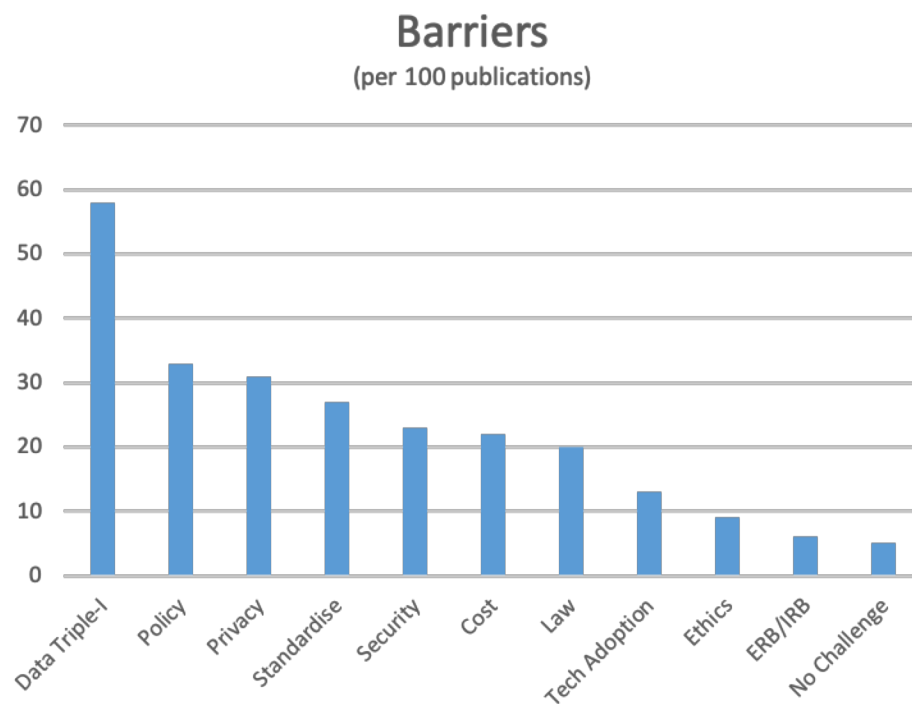
Both seek to use expertise, past experience and intelligent computing systems to derive new knowledge to identify more effective treatment strategies personalised to the signs, symptoms and prior treatment outcomes of each individual patient.

What are we doing?

We are building a Learning Health System

Barriers to Learning Health Systems

Common barriers to achieving Learning Health Systems include:



The Largest Single Barrier to LHS

Almost 2/3rds of all LHS projects suffer from the *Data Triple-I* issue where one or more of these elements is absent or unavailable:

- Integrity
- Integration
- Interoperability

...and PamBayesian is no different

Questions



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End