

## Digital Health CCIO Summer School 2018, University of Birmingham

### *Innovation or Evidence: Why can't we have both?*

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**Pre-reading:** <http://journals.plos.org/plosmedicine/article?id=10.1371/journal.pmed.1000387>

(Read at least the Abstract, Introduction, Discussion, Conclusions)

### 1. Introductory presentations (30 min)

- Why should claims about digital health benefits be treated with caution?
- What do we know about the unintended consequences of digital health?
- How can we make independent evaluation of health IT into routine good practice?
- Does the need for evidence hinder innovation?
- Workshop setup

### 2. Workshop (60 min)

Sub-group practical session with prompts and direction from moderators

How to design an evaluation study for:

- Hospital EPMA, or
- Regional shared health and care record, or
- Community mental health EPR, or
- Some other project suggested by delegates in advance

### 3. Feedback (20 min)

Group feedback on most useful points

### 4. Conclusion/Q&A (10 min)

Summary points on evaluation methods [7, 8]

Questions on current/planned projects

Takeaway reading list (tbc)

**Appendix: Background** (Select some as a reading list)

Numerous basic research questions remain to be satisfactorily addressed in clinical informatics, including in the fields of:

- Cost effectiveness [9, 10]
- Efficiency/productivity [11-13]
- Impact on service utilisation [14]
- Patient empowerment/outcomes [15]
- Decision support [16]
- Usability and human factors [17, 18]
- Unintended consequences [19-22]
- Application of safety-critical software engineering methods [23].

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