Creating implementation laboratories and synthesizing study findings

Discussion

Goals

Reducing waste (usable, discoverable)

Increasing applicability (contextually relevant)

Increasing confidence (triangulation, volume of data)

Improving timeliness (answers on demand)

Increasing efficiency (automation)

Increasing volume (filling more gaps)

Improving translation (putting evidence into practice)

The two approaches

Aggregate individual level data in real-world settings

Aggregate study-level data from RCTs

Key requirements

Common variables measured in comparable ways:

Intervention/comparator

Exposure

Population

Setting

Outcomes

Challenges

Desire for originality

Inadequate record keeping

Varying priorities of funders and researchers

Vested interests

Inadequate study reporting

Solutions

Ontologies

Templates for data gathering

Tools for improving study reporting

Systems for aggregating and synthesising

Embedding this in care organisations

Implementation labs
Behaviour change knowledge systems

This is not an option