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