Living systematic reviews as part of a new evidence ecosystem



The Gallery of MindMaps



LSRs as part of something bigger



Design RCTs

- Based on gaps in knowledge base
- Based on value of information analysis from previous evidence synthesis
- Ensures there is a clinical relevance to conducting the evidence synthesis and potential to change policy

Living

- Regular updates
- Stops based on value of information analysis

Evidence Synthesis (MA/NMA)

- Synthesise all relevant evidence (could lead to some 'outdated' treatments being dropped from analysis over time)
- Value of information analysis to determine what future evidence is needed to inform design of RCTs
- Inclusion of treatment-covariate interactions provides opportunity to tailor decision-making to specific sub-groups of patients (stratified/personalised medicine)

RCTs

- Collect core outcomes to improve proportion of data available for inclusion in evidence synthesis using 'standard' methods
- Other outcomes collected, as applicable
- (Desirable) IPD made available in repository to allow for analysis of treatment-covariate interactions which could inform stratified medicine approaches



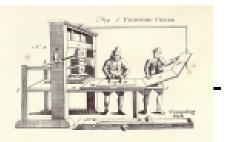
Trial A



Trial C

NIHR

Trial B



NMA



SR 1

SR 2

Overview

National Institute for Health and Care Excellence





Robust prioritisation

Repository of RCTs

Core outcomes

Automation

Crowd

Pre-clinical Science Evidence circuit

Important questions

Study A Study B

udy B | Study C

Data in open access formatted database

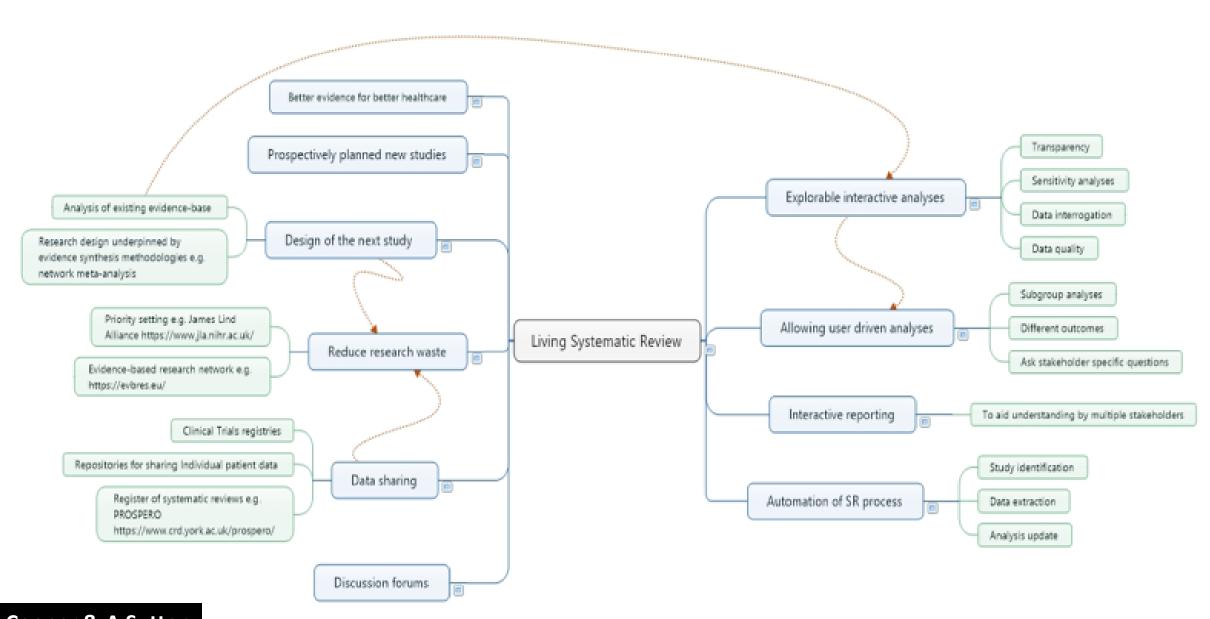
> LSR (?IPD)

Results in interactive open access website

Living guideline

Implementation Science Evidence circuit

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