

# Why is it difficult to implement methods consistently in Cochrane?

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 Some of my best friends are methodologists (even Cochrane methodologists)

 No point in trying to appear intellectual when you are talking after John loannidis, you are bound to fail.



### Dangerous minds ...





 Lex Luthor is one of the most dangerously intelligent men on the planet - a super-villain, a brilliant scientist, a billionaire industrialist

From: the Lex Luthor disambiguation page http://dc.wikia.com/wiki/Lex\_Luthor



# Dangerous minds of Cochrane methodologists





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### Mild mannered



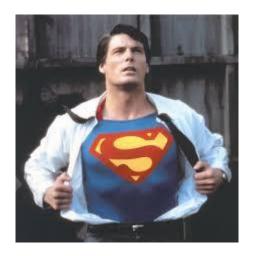






### Mild mannered ... review authors









### The Cochrane problem...

Many Lex Luthors



 Review authors are really mild mannered human beings...





... who wear underwear under their clothes!



# Best laid plans of mice and mad dangerously intelligent men

#### (A stereotypical view)

- Cochrane methods:
  - developed in rather ad hoc way
  - may not address key concerns of review authors or CRGs
  - introduced when (not quite) ready
  - review authors and review groups blamed for failures in implementation



## Methodological innovation requires behaviour change by review authors & CRGs

- Build stronger motivation (in review authors and CRG)
  - Why is this relevant for my review?
  - Give me the skills to do the new behaviour
  - Help me feel confident that I can do the new behaviour
  - Create social norms (will it help me get Lois Lane?)
- Translating motivation into action
  - Planned processes
  - Social support
- Supporting physical and psychological environment
  - Editorial processes and support
  - Editorial resources
  - Tools

## Key challenges (1)

- Methodological innovation that meets needs of review authors and CRGs
- Methodological innovation appropriate for range of issues in Cochrane reviews
- Planned and phased process
- Communicated for mild mannered human beings
- Globally co-ordinated training for CRGs and review authors
- Support tools (eg embedded in Revman)

## Key challenges (2)

#### PRINTS principle for methodological development

- P Pragmatic
- R Robust
- I Intelligible
- N Necessary
- T Timely
- S Supported

## Key challenge (3)

- Methodological innovations add to burden for updating
- Need to develop policies about when and how updates should implement methodological innovation
- Need to develop supports for implementing methodological innovations



## Mild mannered human beings around the world will thank you, Lex and Lexess

