

Reviews of Reviews: just how meta does it get?

By: Nova Smalley

MRC/CSO Social and Public Health Sciences Unit



Medical
Research
Council



CHIEF
SCIENTIST
OFFICE



University
of Glasgow

What is a Review of Reviews

Reviews of reviews and Systematic reviews are
very much alike

What are the similarities?

Systematic review

Review of reviews

Use a protocol

Screening process

Data Extraction

Synthesis

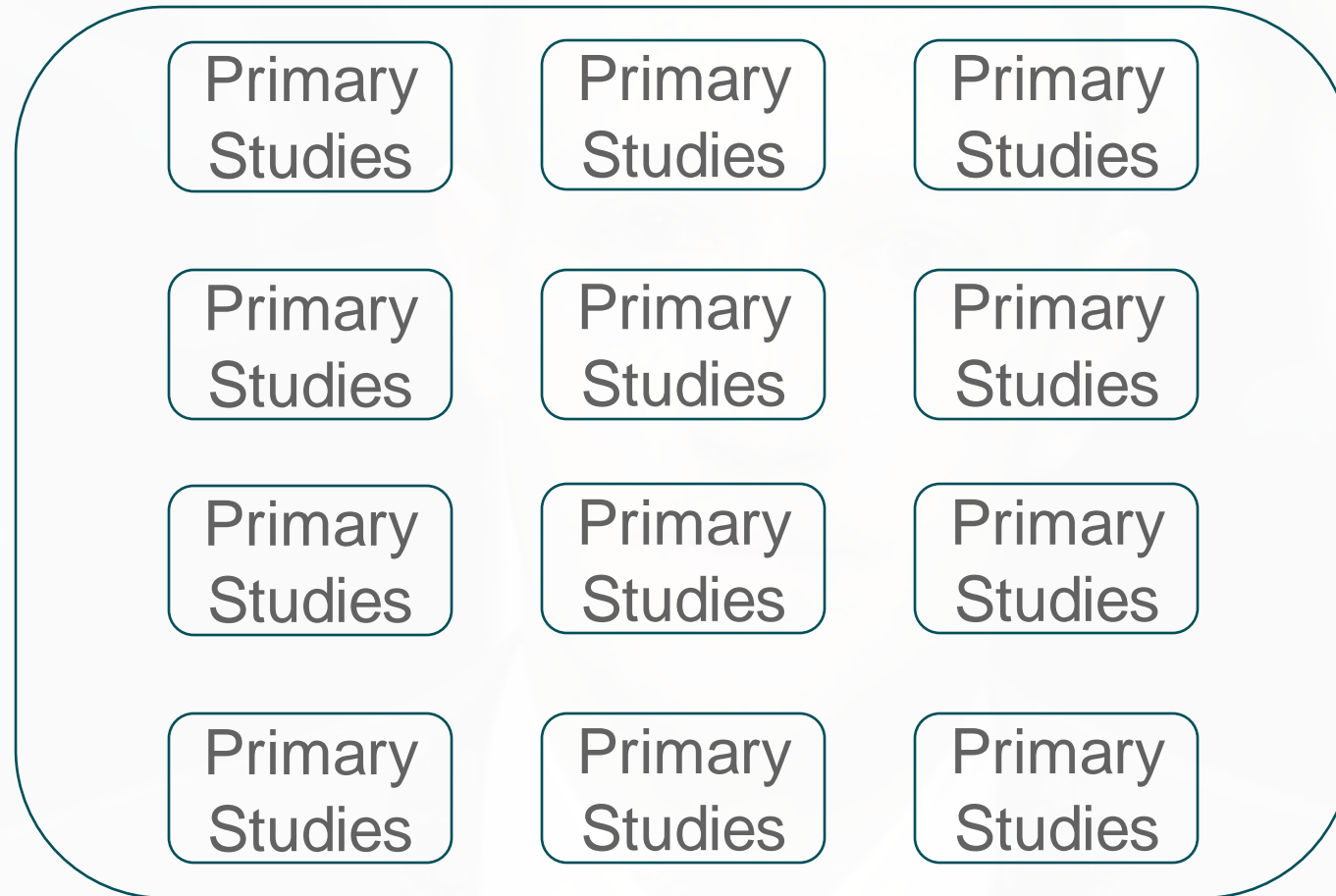
So what's the difference?

Although they are similar, there are two main differences between them

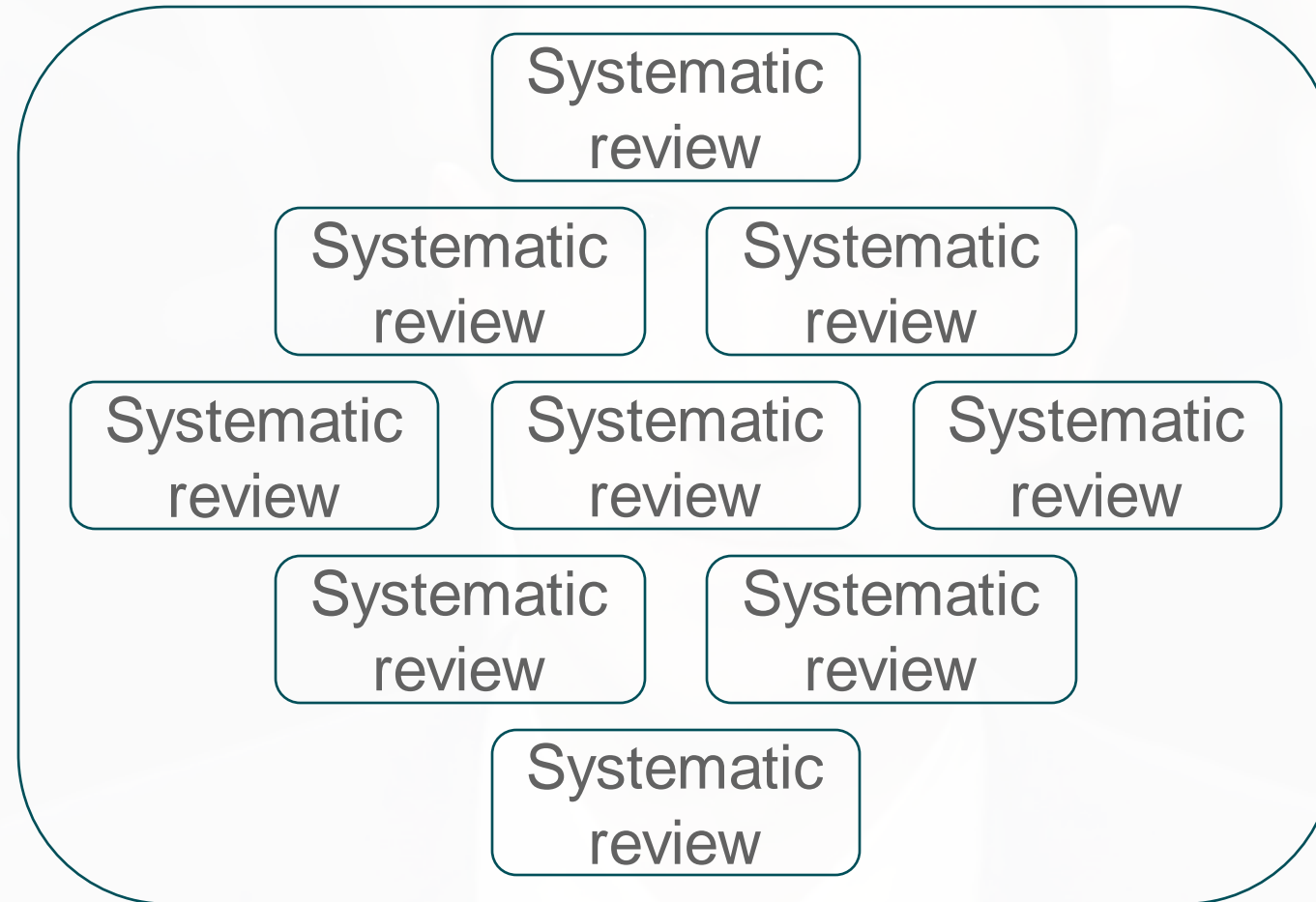
What's being reviewed

Checking overlap

Systematic review

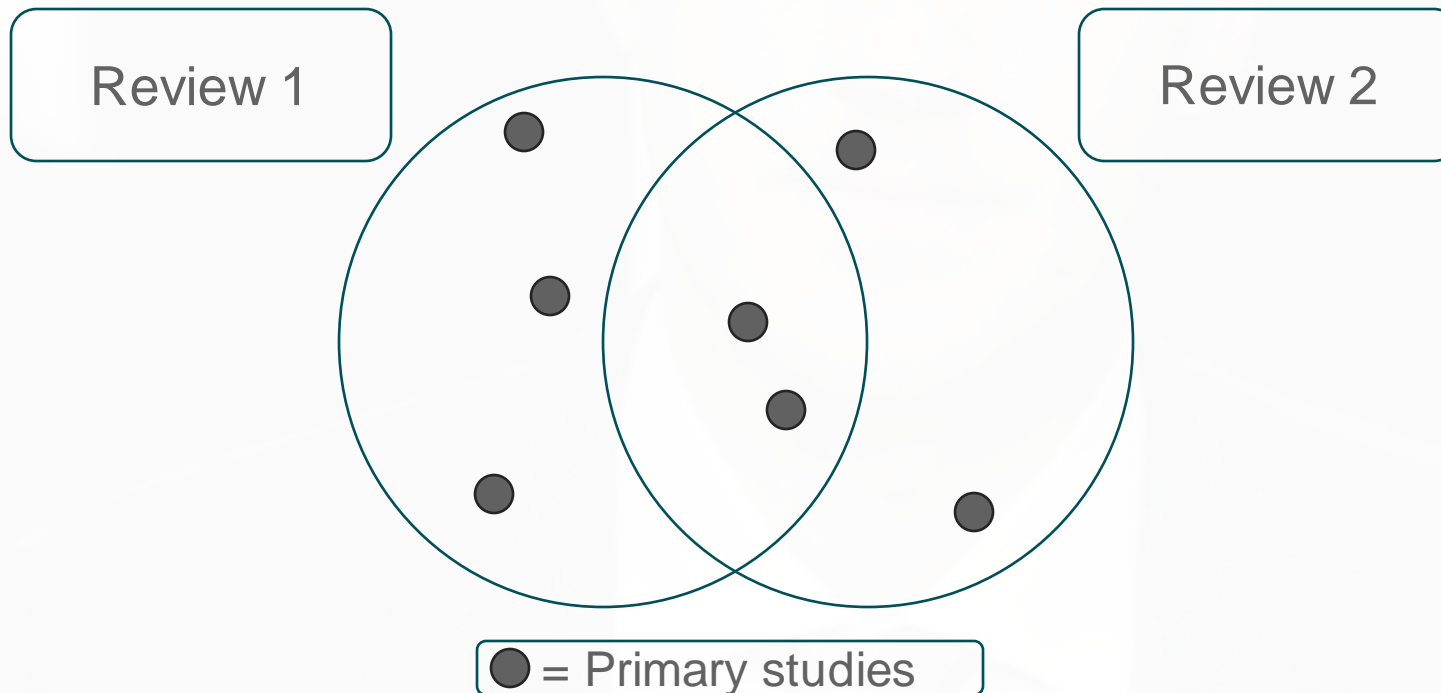


Review of reviews



Overlap

- Reviews of reviews analyse systematic reviews
- Each of the systematic reviews can overlap



Citation matrices

	Review 1	Review 2	Review 3	Review 4
Primary publication 1	x			
Primary publication 2	x			x
Primary publication 3	x	x	x	x
Primary publication 4	x	x	x	
Primary publication 5	x	x		x
Primary publication 6	x			
Primary publication 7	x	x	x	
Primary publication 8	x			
Primary publication 9		x		
Primary publication 10		x		
Primary publication 11				x
Primary publication 12				x

$$CA \text{ (covered area)} = \frac{N}{r \ c}$$

$$CCA \text{ (Corrected CA)} = \frac{N - r}{r \ c - r}$$

Table 1. Interpretation of CCA

CCA	Overlap
0–5	Slight
6–10	Moderate
11–15	High
> 15	Very high

Abbreviation: CCA, corrected covered area.

Screenshots taken from Pieper et al. 2014

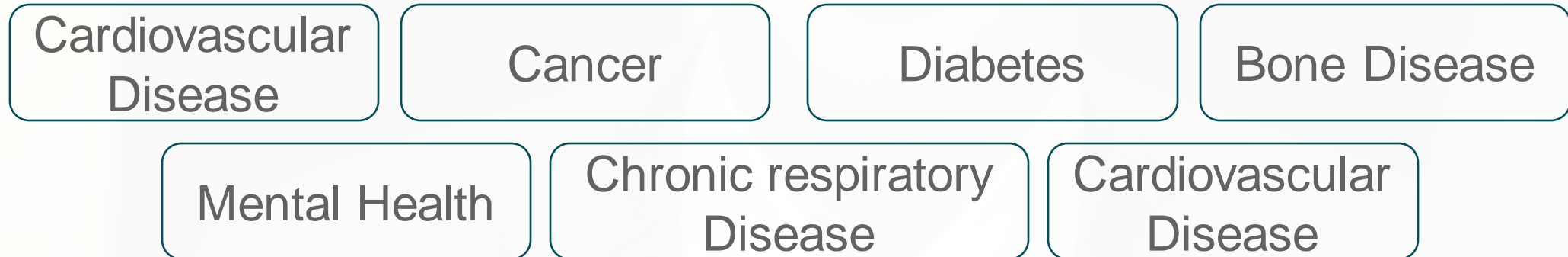
Citation Matrices

- Not a perfect solution
- If one study has many more primary studies than another it can affect how well the method works

Number of Reviews (<i>c</i>)	Total number of publications (<i>N</i>)	Number of Unique publications (<i>r</i>)	CCA
2	189	37	0

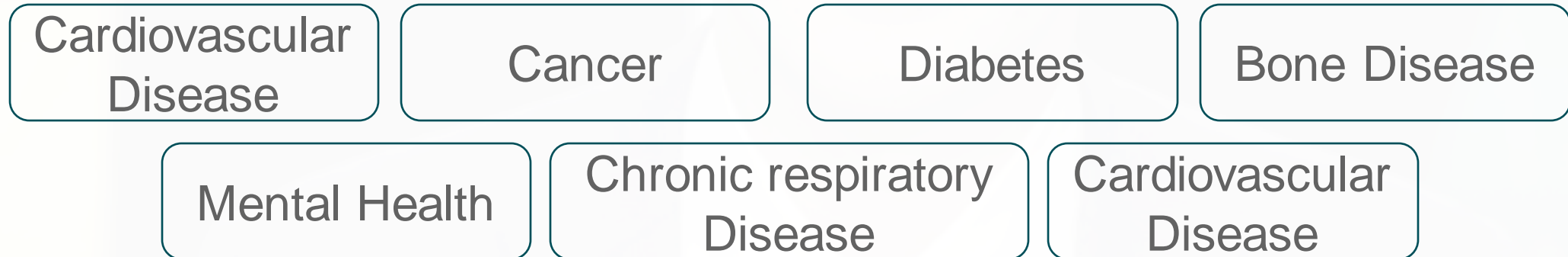
How I'm using it

- NCD Umbrella review
- The goal is to provide an overview of the current coverage by systematic reviews on NCD's in 7 key areas



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The end

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