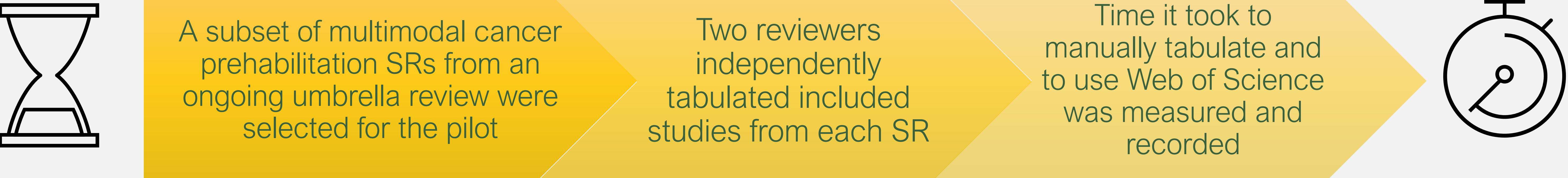


Title: Manual versus Web of Science-based tabulation of included studies to determine overlap in overviews of reviews: does it save time? A pilot study

Background and aim

Overviews of reviews (or umbrella reviews) include systematic reviews (SRs) instead of primary research studies to answer research questions and reduce research waste. Overlap can occur when the same study is contained within multiple included systematic reviews. This could lead to overestimation of sample sizes and events. While the degree of overlap can be investigated, it requires tabulation of the primary research studies within all included systematic reviews which can be time consuming. Web of Science can perform backwards citation searching with downloadable tables, which may speed up tabulation for overlap calculation. The aim of this study within a review (SWAR) is to investigate the impact on time and accuracy of manual versus Web of Science-based tabulation of included studies for determining overlap in overviews of reviews.

Methods: More details on this SWAR can be found by scanning the QR code below.



Time (min:sec.mililsec)

Reviewer 1			Reviewer 2		
Number of studies tabulated	Web of Science	Manual	Number of studies tabulated	Web of Science	Manual
n=7	05:28.96 7	05:58.72	n=5	03:25.90 5	03:27.74
n=2	02:12.74 2	01:20.74	n=3	03:59.53 3	02:27.56
n=3	02:11.14 3	02:50.38	n=2	03:07.55 2	03:43.41
n=2	01:54.45 2	01:08.09	n=2	02:25.56 2	01:09.94
n=3	02:39.32 3	03:23.31	n=3	03:33.95 3	03:26.40
n=7	07:20.98 7	05:53.49	n=2	03:47.04 2	01:27.40

Results

It took a similar amount of time or longer to tabulate primary research studies via Web of Science compared to manually

What have we learned so far?

- The time it takes to tabulate primary research studies via Web of Science may be longer than manually when the number of included studies is less than five. Results will be confirmed during main data collection.
- Web of Science downloads the complete reference list of a review (including background and methods) and unrelated citation details, which need to be removed for ease of use. This can increase time to completion.
- Web of Science is unable to identify and download certain citations. Unidentified studies still need to be added in manually.

Next steps

- To finalise Standard Operating Procedure for the main SWAR.
- All systematic reviews within an umbrella review of multimodal cancer prehabilitation (CRD42024511601) will be used to tabulate primary research studies, creating a larger sample size.
- Some of these systematic reviews may include more than five primary research studies of relevance.

 @WCEBC_official



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