



VII Congreso Chileno
de Salud Pública
IX Congreso Chileno
de Epidemiología

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UNIVERSIDAD
DE LA FRONTERA
SEDE 2023

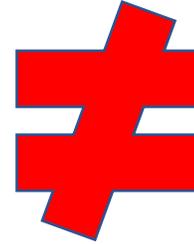
ESTRATEGIAS UTILIZADAS PARA MANEJAR EL SOLAPAMIENTO EN OVERVIEWS RELACIONADAS CON EL EJERCICIO. UNA META-INVESTIGACIÓN

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Introducción

Revisión sistemática



Overview

RCTs	Mitchell 1993	Henry 1994	Smallwood 2001	Holmes 2002	Gray 2002	Bowes 2002	Ballard 2002	Akhondzadeh 2003	Lin 2007	Burns 2011	Cameron 2011	OConnor 2013	Fu 2013
Review 1 (2008)	Blue	Blue	Yellow	Yellow	Yellow	Blue	Yellow	White	Yellow	White	White	White	White
Review 2 (2012)	White	White	Yellow	Yellow	Yellow	White	Yellow	Blue	Yellow	Yellow	White	White	White
Review 3 (2014)	White	White	Yellow	White	White	White	Yellow	White	Yellow	Yellow	Blue	Blue	Blue

Visualización

Cuantificación

	Systematic Reviews						No. of times included	
	StudyID	Chasan2014	Gilinsky2015	Guo2016	Middleton2014	Morton2014		Peacock2014
Primary Studies	Cheung2011	✓ Yes	✓ Yes	✓ Yes	✗ No	✗ No	✓ Yes	4
	Clark2009	✗ No	✗ No	✗ No	✓ Yes	✗ No	✗ No	1
	Ferrara2011	✓ Yes	✓ Yes	✓ Yes	✗ No	✗ No	✓ Yes	4
	Hu2012	✓ Yes	✓ Yes	✓ Yes	✗ No	✗ No	✗ No	3
	Ji2011	✗ No	✗ No	✓ Yes	✗ No	✗ No	✗ No	1
	Kim2012	✓ Yes	✓ Yes	✓ Yes	✗ No	✗ No	✓ Yes	4
	McIntyre2012	✓ Yes	✓ Yes	✓ Yes	✗ No	✗ No	✓ Yes	4
	Peterson1995	✗ No	✓ Yes	✗ No	✗ No	✗ No	✗ No	1
	Ratner2008	✓ Yes	✓ Yes	✓ Yes	✗ No	✓ Yes	✓ Yes	5
	Reinhardt2012	✓ Yes	✓ Yes	✓ Yes	✗ No	✗ No	✓ Yes	4
	Shek2014	✗ No	✓ Yes	✓ Yes	✗ No	✓ Yes	✗ No	3
	Shyam2013	✓ Yes	✓ Yes	✓ Yes	✗ No	✓ Yes	✗ No	4
	Wein1999	✓ Yes	✓ Yes	✓ Yes	✗ No	✓ Yes	✗ No	4
	Yu2012	✗ No	✗ No	✓ Yes	✗ No	✗ No	✗ No	1
Total studies included	9	11	12	1	4	6		

Cuantificación

		Columns			
		Review 1	Review 2	Review 3	...
Rows	Primary publication 1	x			
	Primary publication 2	x		x	
	Primary publication 3	x	x	x	
	Primary publication 4		x		
	Primary publication 5		x	x	
	...				

Primary publication 2 is included in review 1 and review 3, but not in review 2

Table 1. Interpretation of CCA

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

Abbreviation: CCA, corrected covered area.

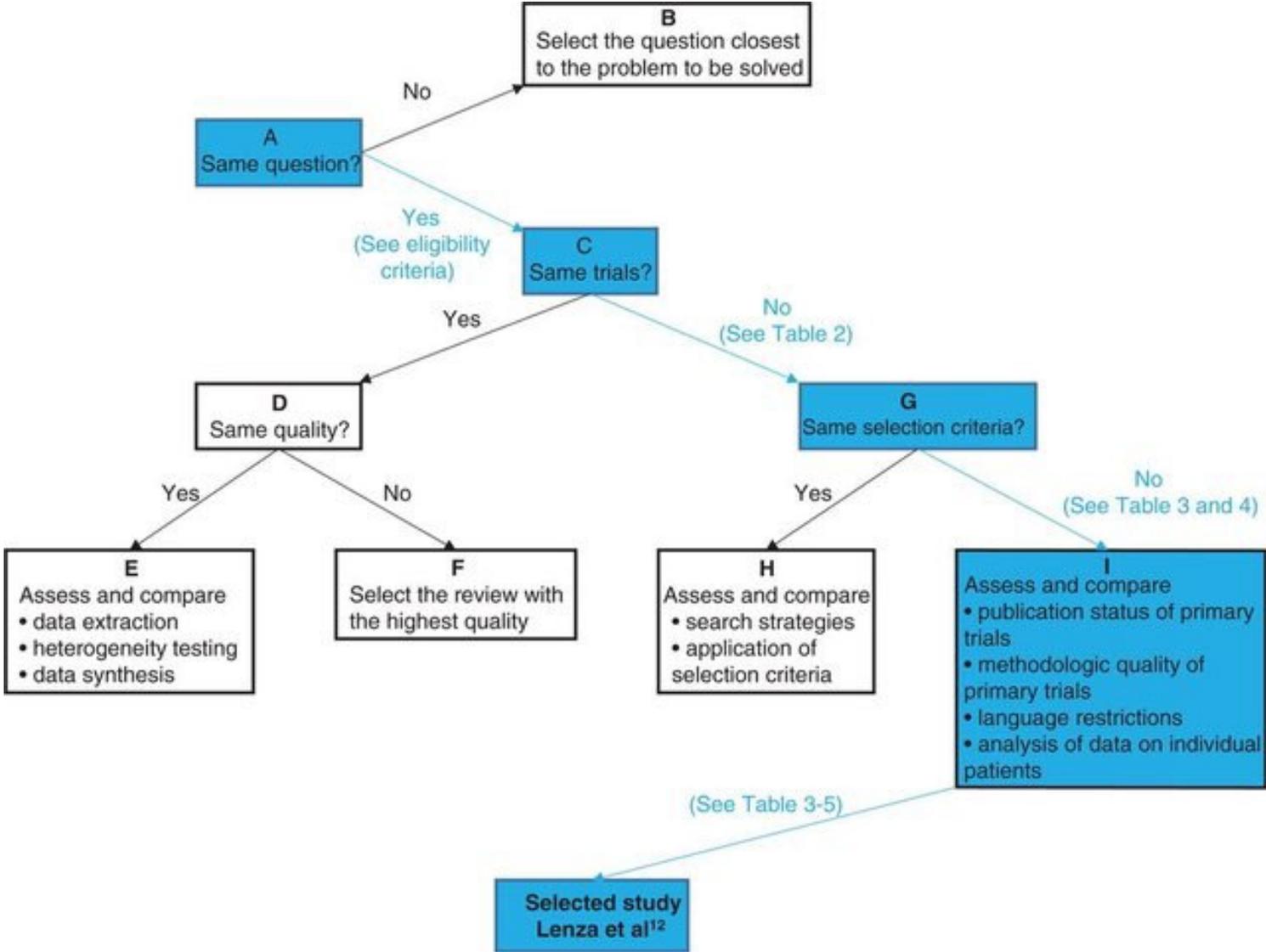
$$CA \text{ (covered area)} = \frac{N}{r c}$$

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

where N is the number of included publications (including double counting) in evidence synthesis (this is the sum of the ticked boxes in the citation matrix); where r is the number of rows (number of index publications) and c is the number of columns (number of reviews).

Resolución

Algoritmo de decisión de Jadad



INPLASY
PROTOCOL

To cite: Gutierrez-Arias et al. Strategies used to manage overlap of primary study data by exercise-related overviews authors. Protocol for a systematic methodological review. Inplasy protocol 202250161. doi: 10.37766/inplasy2022.5.0161

Strategies used to manage overlap of primary study data by exercise-related overviews authors. Protocol for a systematic methodological review

Gutierrez-Arias, R¹; Pieper, D²; Lunny, C³; Torres Aguilera-Eguia, R⁵; Seron, P⁶.

Open access

Protocol

BMJ Open Strategies used to manage overlap of primary study data by exercise-related overviews: protocol for a systematic methodological review

Ruvistay Gutierrez-Arias ,^{1,2} Dawid Pieper,^{3,4} Carole Lunny ,⁵ Rodrigo Torres-Castro,⁶ Raúl Aguilera-Eguía ,⁷ Pamela Seron ⁸

To cite: Gutierrez-Arias R, Pieper D, Lunny C, *et al.* Strategies used to manage overlap of primary study data by exercise-related overviews: protocol for a systematic methodological review. *BMJ Open* 2023;**13**:e069906. doi:10.1136/bmjopen-2022-069906

ABSTRACT

Introduction One of the most conflicting methodological issues when conducting an overview is the overlap of primary studies across systematic reviews (SRs). Overlap in the pooled effect estimates across SRs may lead to overly precise effect estimates in the overview. SRs that focus on exercise-related interventions are often included in overviews aimed at grouping and determining the effectiveness of various interventions for managing specific health conditions. The aim of this systematic

STRENGTHS AND LIMITATIONS OF THIS STUDY

- ⇒ This methodological review will use a systematic approach to describe the strategies used to manage the overlap of primary studies in exercise-related overviews.
- ⇒ This review will conduct a sensitive search of MEDLINE (Ovid), Embase (Ovid), The Cochrane Database of Systematic Reviews (Cochrane Library), Epistemonikos databases and registers of evidence



SWAR Store

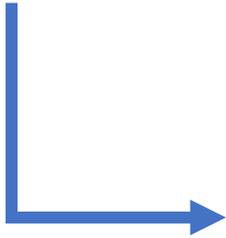
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REPOSITORIES

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18)	Strategies for managing primary study overlap in overviews of systematic reviews of exercise-related interventions	<u>SWAR18 Ruvistay Gutierrez-Arias (2022 MAY 1 1105)</u>
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Materiales y Métodos

Diseño del estudio

- Estudio tipo meta-investigación (meta-research study).

Criterios de elegibilidad

- Overviews de intervenciones relacionadas con el ejercicio.
- Cualquier condición de salud.
- Se excluyeron overviews realizadas con metodología rápida.
- No se limitó por idioma o fecha de publicación

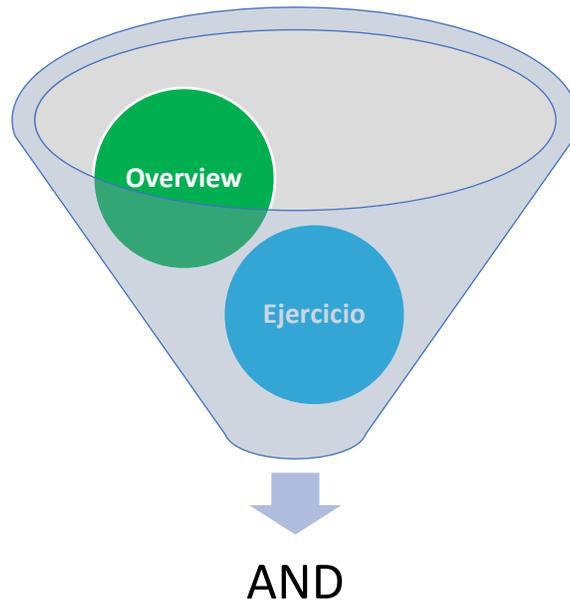
Estrategia de búsqueda

Ovid MEDLINE®

Embase®
on Ovid®

 **Cochrane
Library**

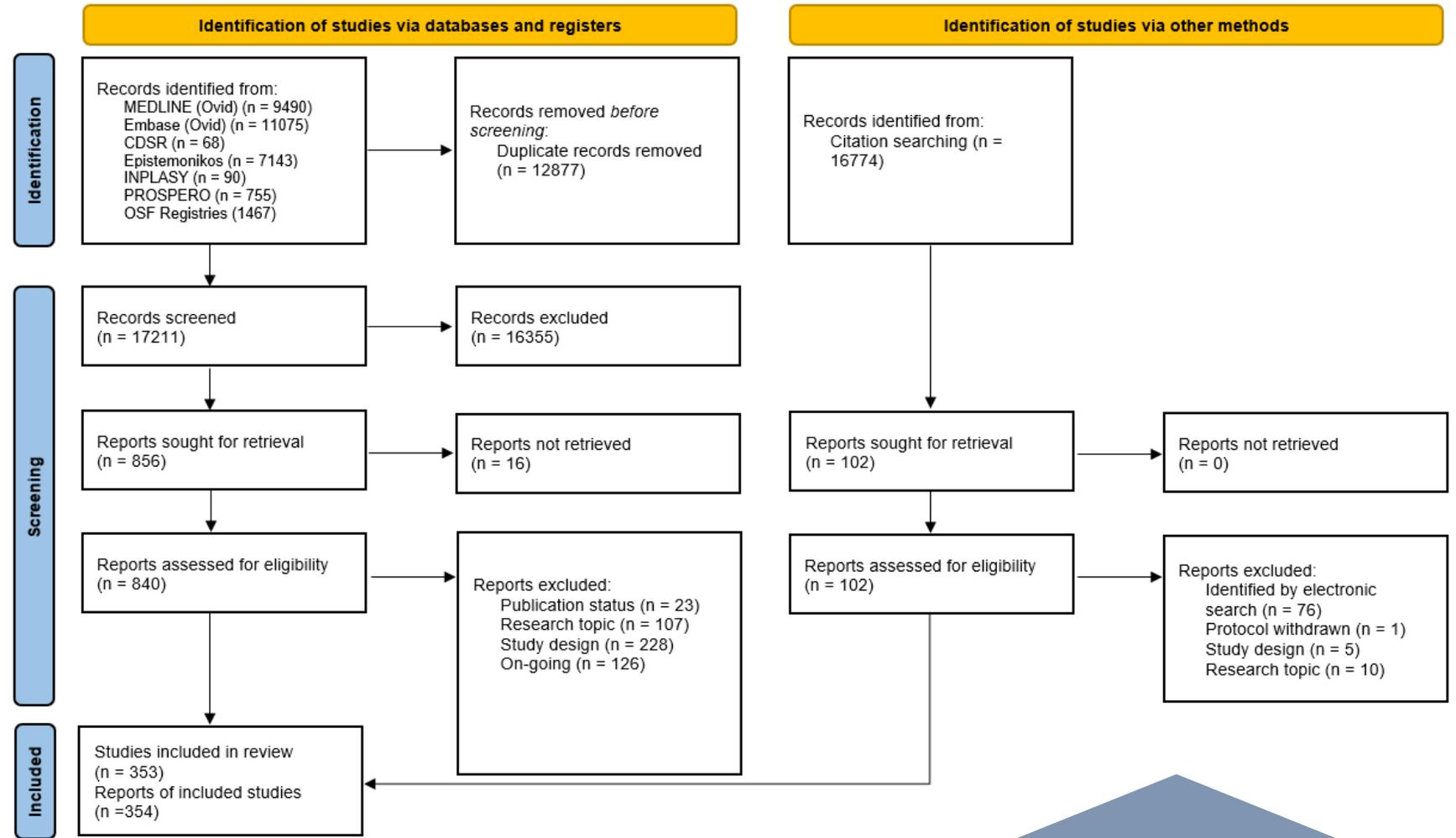
 Epistemonikos



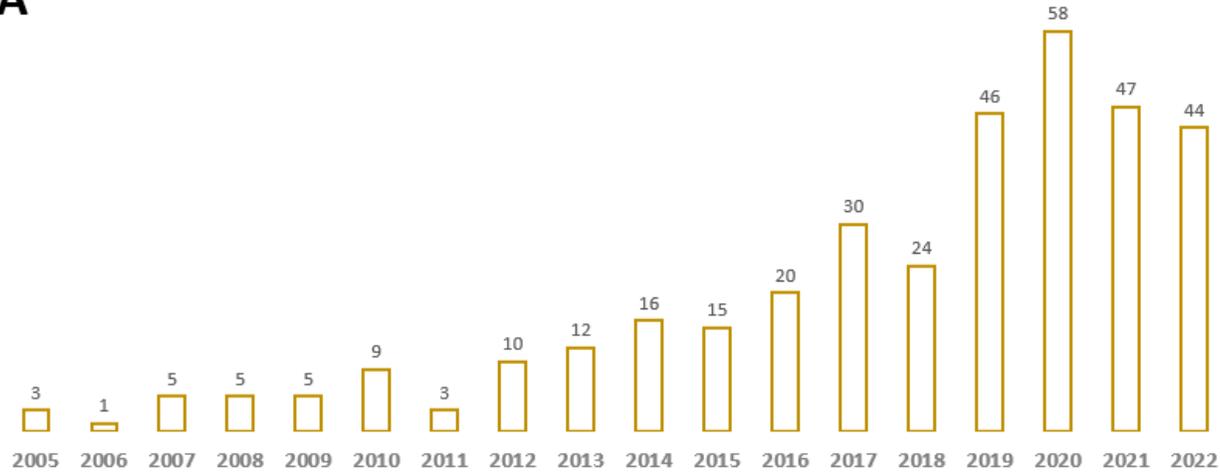
Junio 2022

Filtro validado para
identificar overviews

Resultados

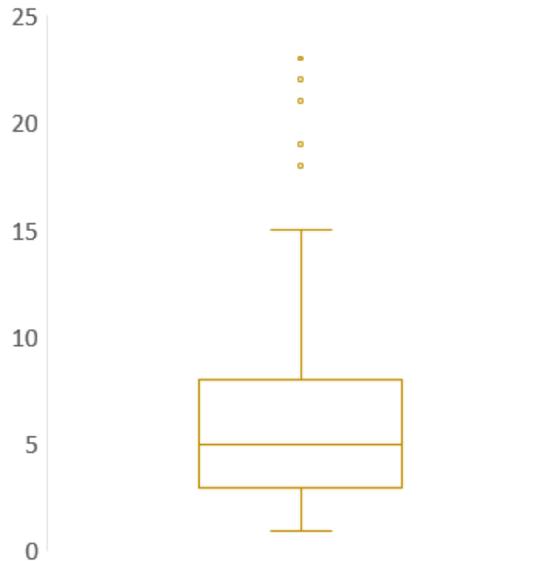
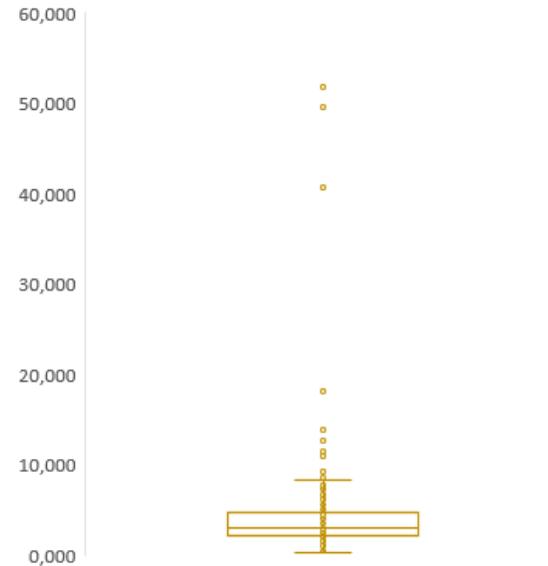


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Overviews

A

Descripción

A: Tendencia en la publicación de overviews de intervenciones relacionadas con el ejercicio. *El año 2022 incluyó Overviews publicadas sólo hasta junio.

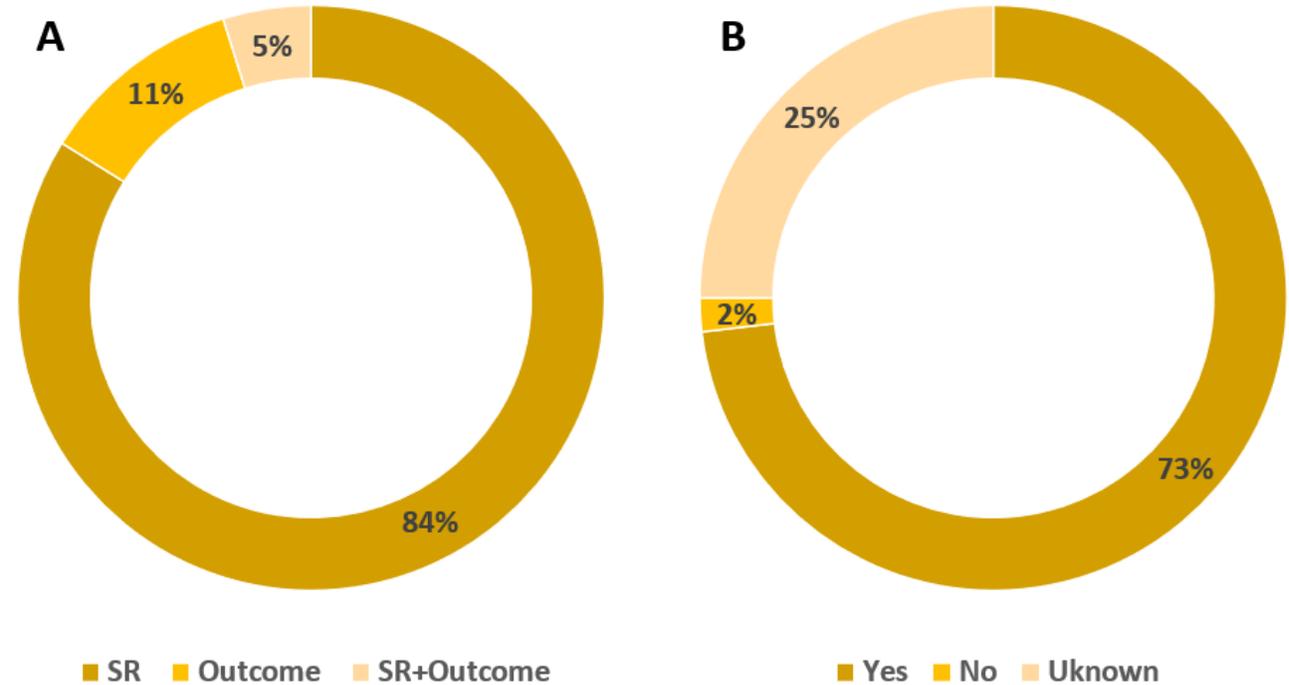
B**C**

B: Distribución del número de autores implicados en la realización de Overviews de intervenciones relacionadas con el ejercicio físico.

C: Distribución del factor de impacto de las revistas que publicaron overviews de intervenciones relacionadas con el ejercicio.

Estrategias

Ciento sesenta y cuatro (46,46%) overviews de intervenciones relacionadas con el ejercicio utilizaron alguna estrategia para visualizar, cuantificar o resolver el solapamiento de estudios primario.



A: Nivel de utilización de estrategias para visualizar, cuantificar y gestionar el solapamiento.

B: Porcentaje de resolución de solapamiento.

Conclusión

- Menos de la mitad de los autores de las overviews de intervenciones relacionadas con el ejercicio utilizaron una estrategia para visualizar, cuantificar o resolver el solapamiento de los estudios primarios.
- En el futuro, los autores deberían utilizar estrategias para visualizar, cuantificar y resolver el solapamiento de datos de estudios primarios para comunicar resultados más válidos.

Referencias

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- Pieper D, Antoine S-L, Mathes T, Neugebauer EAM, Eikermann M. Systematic review finds overlapping reviews were not mentioned in every other overview. *J Clin Epidemiol.* 2014;67:368–75.



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ORGANIZAN:



AUSPICIAN:

