

CONFLICT OF INTEREST



Nothing to declare.

OVERVIEW



- Background
- Methods
- Preliminary Results
- Next Steps



WHAT ARE RETRACTION PUBLICATIONS?



- Self-correcting mechanism in science
- "A public statement made about an earlier statement that withdraws, cancels, refutes, or reverses the original statement."
 (PubMed Health Glossary)

WHY CARE ABOUT RETRACTED STUDIES?



- Retracted papers are increasing
- Post-retraction citations problematic
 - Early Report

RETRACTED: Ileal-lymphoid-nodular hyperplasia, non-specific colitis, and pervasive developmental disorder in children

Dr AJ Wakefield, FRCS, SH Murch, MB, A Anthony, MB, J Linnell, PhD, DM Casson, MRCP, M Malik, MRCP, M Berelowitz, FRCPsych, AP Dhillon, MRCPath, MA Thomson, FRCP, P Harvey, FRCP, A Valentine, FRCR, SE Davies, MRCPath, JA Walker-Smith, FRCP

References

Published: 28 February 1998



DOI: https://doi.org/10.1016/S0140-6736(97)11096-0

Article Info

LITERATURE ON RETRACTED STUDIES



- Reviews for retracted papers are growing
- Studies on retraction expanding across disciplines
- Potential for librarian involvement



RESEARCH MISCONDUCT & TOOLS



- Office for Research Integrity (definitions)
- COPE: Committee on Publication Ethics
- ICMJE: International Committee of Medical Journal Editors

GUIDELINES & FRAMEWORKS

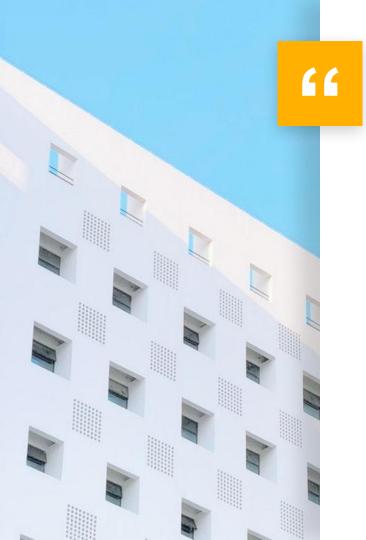


 STROBE = Strengthening The Reporting of OBservational studies in Epidemiology

Example from recommendations:

Variables	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable
Data sources/ measurement	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group
Bias	Describe any efforts to address potential sources of bias





What are the methodologies used in retracted review papers?

Aim: Map the methodologies used in retraction reviews in health sciences.

METHOD



Search conducted January 31, 2018.

Comprehensive search of literature:

- MEDLINE
- Embase
- CINAHL

Screening via Covidence.

MEDLINE SEARCH



- 1. (retract* adj3 (paper* or article* or publication* or publish* or research* or notice or study)).ti,ab,kw.
- 2. exp "Retraction of Publication"/ or exp Retracted Publication/
- 3. exp "Retraction of Publication as Topic"/
- 4. 1 or 2 or 3
- 5. scientific misconduct.mp. or exp Scientific Misconduct/
- 6. (publishing ethics or publishing misconduct or compromised peer review or plagiarism or duplication or fraud* or authorship or non-reproducibility or "not reproducible").mp.
- 7.5 or 6
- 8. 4 and 7
- 9. remove duplicates from 8
- 10. limit 9 to english language

INCLUSION / EXCLUSION CRITERIA

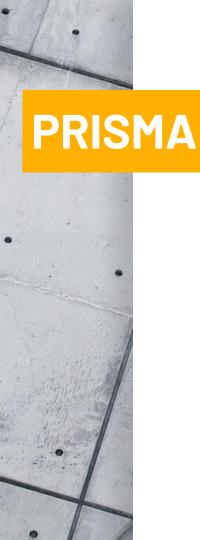


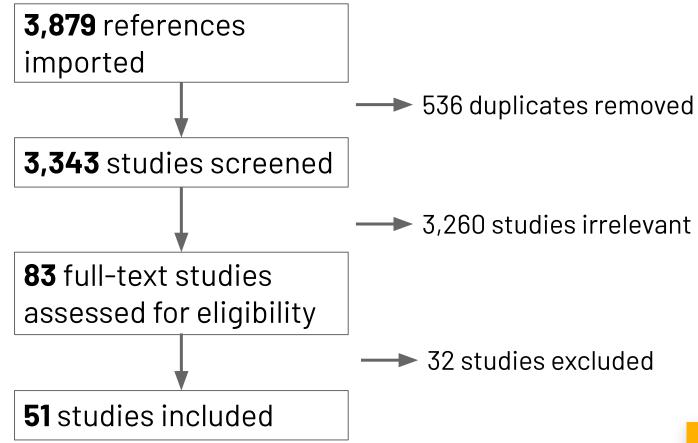
Inclusion

- Meta-analysis or synthesis that tracks retracted publications
- Primary research
- Health sciences

Exclusion

- Studies that review only one article or single retraction
- Editorials, letters
- Topics other than medicine or health-related topics







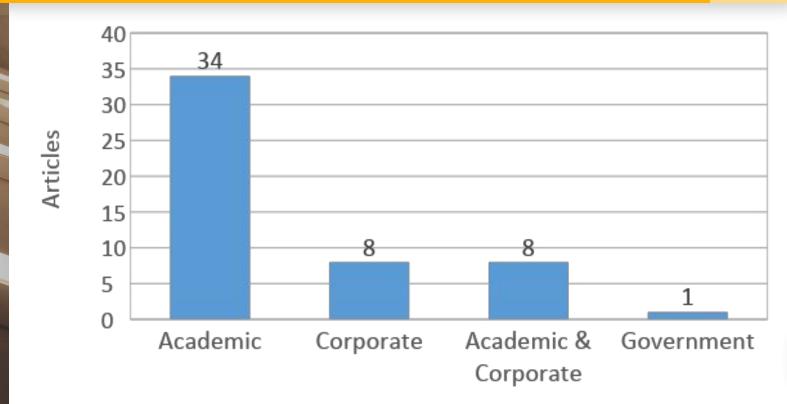
DATA EXTRACTION



- Academic vs. Corporate authorship
- Librarian involvement
- Subject coverage
- Guidelines used
- Reasons for retraction
- Databases clearly identified
- Full search strategy (and replicability)

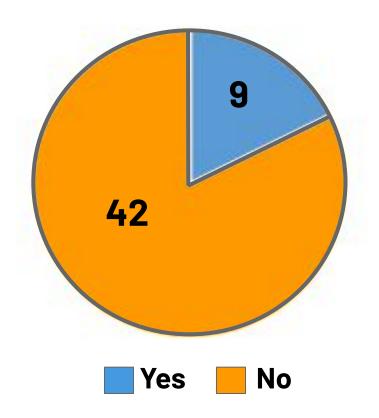
ACADEMIC VS. CORPORATE AUTHORSHIP







LIBRARIAN INVOLVEMENT / COLLABORATION





SUBJECT COVERAGE

- All Topics (6)
- Anesthesiology (1)
- Biomedical literature (27)
- Dentistry (1)
- Drug literature (1)
- Emergency medicine (1)
- General/internal medicine (1)

- Medicine (1)
- Neurosurgery (1)
- Orthopaedics (2)
- Psychology (2)
- Radiology (1)
- Rheumatology (1)
- Surgery (1)
- Other (3)



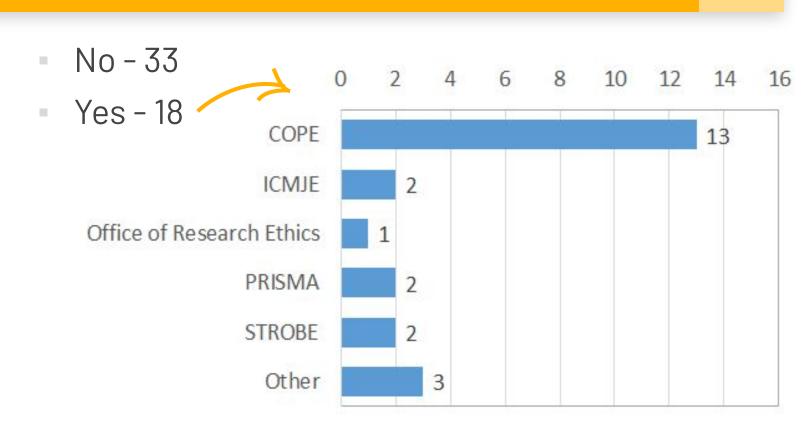
Australia
Austria
Brazil
Canada
China
Finland
France
Greece
India
Singapore
South Korea
Switzerland
UK
USA

Number of First Authors

1 2

GUIDELINES USED





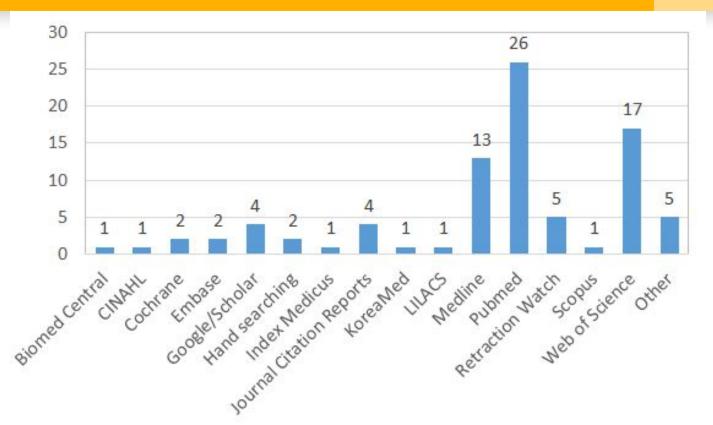
REASONS FOR RETRACTION



Misconduct Mistakes Other Duplication Honest errors No reasons Plagiarism Admin errors Unclear Fabrication Copyright Replication Ethical issues **Authorissues**

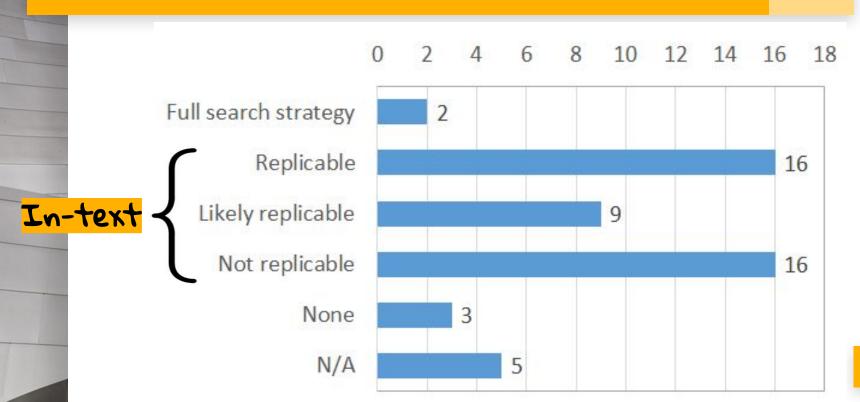
DATABASES & SEARCH ENGINES USED





FULL SEARCH STRATEGY & REPLICABILITY





FULL SEARCH STRATEGY & REPLICABILITY









THANKS!

Questions?

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LENGTH OF STUDY

Frequency

