

Supplemental Table A: Additional Reproducibility Characteristics

Characteristics		Variables
		No. (%)
Type of Study	No empirical	69 (23.3)
	Meta-analysis	26 (8.8)
	Commentary	0 (0)
	Cost effectiveness	0 (0)
	Clinical Trial	36 (12.2)
	Case Study	7 (2.4)
	Case Series	9 (3.0)
	Cohort	46 (15.5)
	Retrospective	0 (0)
	Case Control	32 (10.8)
	Survey	45 (15.2)
	Laboratory	8 (2.7)
	Multiple	2 (0.7)
	Other	16 (5.4)
Material availability	Personal or institutional	4
	Supplementary information hosted by the journal	3
	Online third party	12
	Upon request	3
	Yes, material was accessible	17
	No, material was not accessible	5
Data availability	A personal or institutional webpage	1
	Supplementary information hosted by the journal	2
	An online third party repository (e.g., OSF, Figshare, etc.)	0
	Upon request	6
	Other	5
	Yes, data could be accessed and downloaded	2
	No, data could not be accessed and downloaded	12
	Yes, data files were clearly documented	2
	No, data files were not clearly documented	0
	Yes, data files contain all raw data	1
	No, data files do not contain all raw data	1
Unclear if all raw data was available	0	
Pre-registration	Pre-registered on <i>ClinicalTrials.gov</i>	7

	Pre-registered on Open Science Framework	1
	Other	5
	Yes, pre-registration was accessible	13
	No, pre-registration was not accessible	0
	Hypothesis was pre-registered	4
	Methods were pre-registered	10
	Analysis plan was pre-registered	8
Protocol		
	Hypothesis was included in the protocol	2
	Methods were included in the protocol	4
	Analysis plan was included in the protocol	4

Supplemental Table B: Factors Analyzed. The factors examined in each article were based upon study type. Further details about extraction and coding is available at: <https://osf.io/x24n3/>

<i>Reproducibility Factors</i>		<i>Impact on research transparency and reproducibility.</i>
Articles		
Is the publication accessible publicly or only through a paywall?	All studies (n=300)	Open access to publications can improve reproducibility by increasing the occurrence of replication studies, collaboration, and universal access to current findings.
Funding		
Does the publication indicate a funding source or lack of one?	All included studies (n=296)	Funding sources have an influence on the roles and practices of the investigators.
Conflict of Interest		
Does the publication indicate a conflict of interest or lack of one?	All included studies (n=296)	Statements disclosing conflict of interest or funding allow the investigators to disclose or deny potential bias. Transparency of all possible conflicts of interest or funding sources promotes the validity and reliability of findings. .
Evidence synthesis		
Has the article been cited by a systematic review or meta-analysis?	Empirical studies † (n=201)	Citing of published studies in systematic reviews and meta-analyses is used to incorporate multiple publications and produce new assessments.
Protocols		
Does the publication state whether it includes an availability statement or not?	Empirical studies § (n=211)	Access to a comprehensive, detailed protocol is essential for accurate replication of a study.
Which components does the protocol contain?		
Materials		
Does the publication state whether it includes a materials statement or not?	Empirical studies ¶ (n=185)	Lack of access to materials inhibits the quality and accuracy of a replication study.
Does the publication state how to retrieve an available materials statement?		
Can these materials actually be accessed?		
Raw data		
Does the publication include a data availability statement?	Empirical studies § (n=211)	The sharing of raw data allows for more accountability and increases the quality and efficiency of the replication.
How can the data be retrieved (e.g., upon request or via online repository)?		

Can the data be accessed?		
Does the data include all the raw data necessary?		
Is the data file clearly documented?		
Analysis scripts		
Are the analysis scripts availability stated?	Empirical studies§ (n=211)	Analysis scripts contains a step-by-step of instructions needed to perform precise analyses, particularly via computer code such as Python or R, allowing a more accurate replication of the data analysis.
How can the analysis script be retrieved (e.g., upon request or via online repository)?		
Are the scripts accessible?		
Pre-registration		
Does the publication include a pre-registration statement?	Empirical studies§ (n=211)	Pre-registration limits reporting bias, including outcome switching and P-hacking.
Which registry did the publication use?		
Is it possible to access the pre-registration?		
What content was available in the pre-registration?		
<p>†: ‘Empirical studies’ encompass the following study designs: cohort, case series, case reports, case-control, secondary analysis, chart review, commentaries [with data analysis], laboratory, and cross-sectional study designs, clinical trial.</p> <p>§: Includes empirical studies without case reports and case series</p> <p>¶: Includes empirical studies with case reports, case series, meta-analysis or systematic review, and commentaries with analysis</p>		