

TRANSPARENCY AND OPENNESS PROMOTION (TOP) GUIDELINES

THE GUIDELINES

Transparency and independent replication are core values of science. However, scientists must publish, which is more likely with positive and tidy results, even at the expense of transparent, reproducible research. The TOP Guidelines were created by a diverse group of science publishers, editors, and funders in order to **align scientific values with its rewards**.

8 MODULAR STANDARDS

Citation Standards Describes citation of data	Data Transparency Describes availability and sharing of data
Analytical Methods Transparency Describes analytical code accessibility	Research Materials Transparency Describes research materials accessibility
Design and Analysis Transparency Sets standards for research design disclosures	Preregistration of Studies Specification of study details before data collection
Preregistration of Analysis Plans Specification of analytical details before data collection	Replication Encourages publication of replication studies

ACROSS 3 TIERS

- 1 DISCLOSURE:**
the final research output must disclose if the work satisfies the standard
- 2 REQUIREMENT:**
the final research output must satisfy the standard
- 3 VERIFICATION:**
third party must verify that the standard is being met

WHAT DOES YOUR SIGNATURE MEAN?

- 1** A statement of approval for the principle of rewarding transparency in research.
- 2** The organization commits to review the standards within one year and determine which are appropriate for their field.

Over 2,900
journal signatories
Learn more at cos.io/top

