

# Endocrinology, Diabetes and Metabolism Journals Adherence to Reporting Guidelines: A Systematic Review

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## Background

Clinicians rely on evidence-based research for clinical practice to ensure safe, efficacious patient care. Reporting guidelines and clinical trial registration improve the quality of this research by increasing transparency and reducing the risk of biases. The extent of which endocrinology journals adopt the use of these tools is unclear. Therefore, the purpose of this study is to assess the recommendation/requirement of reporting guidelines and clinical trial registration in the top endocrinology journals.

## Methods

- The top 100 journals in the “Endocrinology, Diabetes and Metabolism” subcategory were identified using the 2021 Scopus CiteScore tool.
- Each journal’s “Instructions for Authors” was examined to see adherence to EQUATOR guidelines and clinical trial registration.
- Adherence was analyzed based on statements given and were recorded as “Not Mentioned”, “Recommended”, “Does Not Require”, or “Required.”
- To prevent unfair assessment, each journal was contacted three times to confirm the article types that are accepted.

## Results

- ICMJE guidelines were mentioned by 78 journals.
- The EQUATOR network guidelines were mentioned by 45 journals.
- CONSORT was the most mentioned guideline with 40 journals recommending adherence and 36 requiring adherence.
- Clinical Trial Registration was required by 77 journals.
- Only 18 journals responded to our correspondence on which article types they accept.

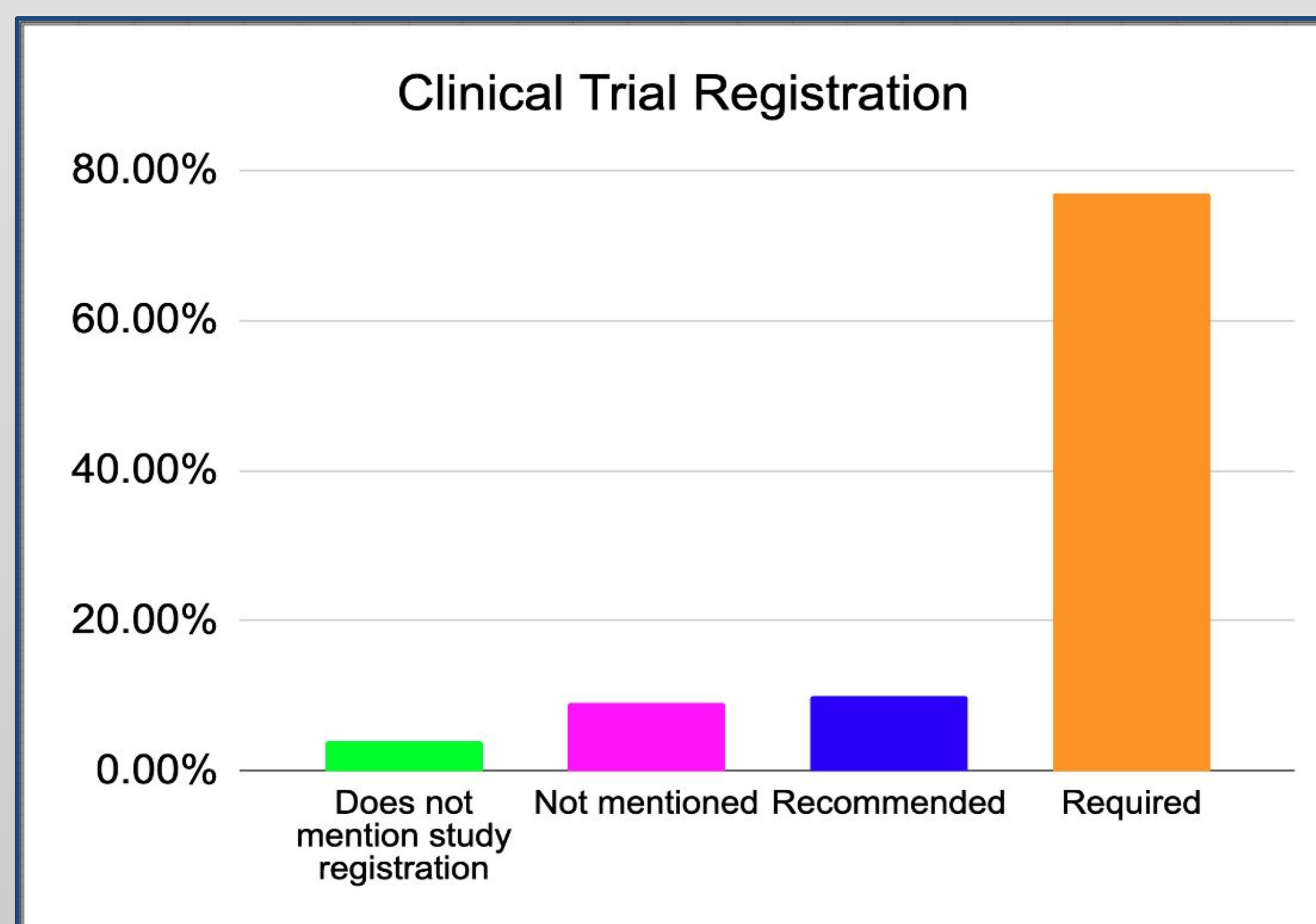


Figure 1: Clinical Trial Registration in the journals

Table 1. Select Reporting Guideline Data		n=100
<b>ARRIVE</b>		
Not Mentioned		25 (26%)
Recommended		51 (53%)
Required		22 (22%)
<b>PRISMA</b>		
Not Mentioned		37 (38%)
Recommended		42 (43%)
Required		19 (19%)
<b>CONSORT</b>		
Not Mentioned		22 (22%)
Recommended		40 (41%)
Required		36 (37%)

## Conclusion

- Reporting guideline adherence is inconsistent among Endocrinology journals.
- Improved communication is needed for researchers to know which guidelines are required by the journal.
- To further improve the quality of medical research, we recommend journals adhere to EQUATOR guidelines.

## References



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