



## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Psychiatry*

**Manuscript NO:** 89419

**Title:** Global epidemiology of mental disorder in atrial fibrillation between 1998-2021: A systematic review and meta-analysis

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05824731

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Indonesia

**Author's Country/Territory:** China

**Manuscript submission date:** 2023-11-01

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-11-01 07:22

**Reviewer performed review:** 2023-11-01 09:26

**Review time:** 2 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Novelty of this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
<b>Creativity or innovation of this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**

1. Original Findings: The manuscript presents original findings regarding the prevalence of depression and anxiety among patients with atrial fibrillation (AF). Through a systematic review and meta-analysis of 26 studies, the authors found that the prevalence of depression and anxiety varied based on gender and region. This highlights the importance of considering these factors when implementing psychological interventions for AF patients.

2. Quality and Importance: The manuscript demonstrates high quality in terms of adherence to the PRISMA 2020 statement and MOOSE guidelines. The study's importance lies in its contribution to the understanding of the global epidemiology of mental disorders in AF patients. By identifying prevalence rates, gender differences, and regional variations, the study adds valuable insights to the existing knowledge in this field.

3. Limitations and Future Directions: While the manuscript provides valuable information, it is important to acknowledge some limitations. One limitation is the inclusion of observational studies, which may introduce potential biases. Additionally, the manuscript could benefit from addressing the potential underlying mechanisms linking AF and mental disorders. In terms of future



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** office@baishideng.com  
**https://**www.wjgnet.com

directions, it would be beneficial for the authors to explore the impact of different treatment modalities on the prevalence of mental disorders in AF patients. Furthermore, investigating the longitudinal course of mental disorders in relation to AF could provide a deeper understanding of the relationship between these conditions. 4. Impact on Basic Science and Clinical Practice: This publication has the potential to impact both basic science and clinical practice. The findings contribute to the growing body of literature on the association between mental disorders and AF. The identification of gender and regional differences in prevalence rates can inform the development of tailored psychological interventions for AF patients. Furthermore, this study prompts further research into the underlying mechanisms and long-term outcomes of mental disorders in the context of AF. Overall, the manuscript presents valuable findings regarding the prevalence of mental disorders in AF patients. With some consideration of the limitations and future directions suggested, this study has the potential to make a significant impact on both research and clinical practice in this field.



**PEER-REVIEW REPORT**

**Name of journal:** *World Journal of Psychiatry*

**Manuscript NO:** 89419

**Title:** Global epidemiology of mental disorder in atrial fibrillation between 1998-2021: A systematic review and meta-analysis

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer’s code:** 02445209

**Position:** Editorial Board

**Academic degree:** N/A, MD, PhD

**Professional title:** Professor

**Reviewer’s Country/Territory:** Czech Republic

**Author’s Country/Territory:** China

**Manuscript submission date:** 2023-11-01

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-11-08 05:41

**Reviewer performed review:** 2023-11-12 19:01

**Review time:** 4 Days and 13 Hours

<b>Scientific quality</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Novelty of this manuscript</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
<b>Creativity or innovation of this manuscript</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



# Baishideng Publishing Group

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** office@baishideng.com  
**https://**www.wjgnet.com

<b>Scientific significance of the conclusion in this manuscript</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

Dear authors, I have only a few comments on your manuscript: - You should describe the pathogenesis of depression and anxiety in atrial fibrillation in a more detail. - You should state which psychotropic medication is suitable for anxiety and depression in atrial fibrillation (i.e. in cardiovascular morbidity). Best regards The reviewer