<u>Peer-Review Report</u>

Peer Review of "Measuring Integrated Novel Dimensions in Neurodevelopmental and Stress-Related Mental Disorders (MIND-SET): Protocol for a Cross-sectional Comorbidity Study From a Research Domain Criteria Perspective"

Emma Palmer

James L Winkle College of Pharmacy, University of Cincinnati, Cincinnati, OH, United States

This is a peer-review report submitted for the paper "Measuring Integrated Novel Dimensions in Neurodevelopmental and Stress-Related Mental Disorders (MIND-SET): Protocol for a Cross-sectional Comorbidity Study From a Research Domain Criteria Perspective."

Round 1 Review

General Comments

This paper [1] is interesting and sets the stage for a pretty comprehensive study.

Specific Comments

Major Comments

1. The background is very long, and some spaces are redundant, talking about the overlap of symptoms in comorbidities. Some of this may be better in a discussion—there is a lot of information here.
2. There are a lot of definitive/overly positive statements (eg, "...the RDoC [Research Domain Criteria] frameworks fits ideally..." "...we can disentangle." Consider rewording as

this is a fairly small sample size in a singular area of the world.
3. Adjust the title so it is clear that this is a description of methods.
4. Anticipated limitations should be included (eg, single-center, nondiverse population, or the number of data points making differentiation challenging).

Minor Comments

1. Change addiction disorder to substance use disorder
2. Provide a citation for the first line about the acceptance of psychiatric comorbidities as common
3. Define abbreviations upon first use (eg, DSM-5)
4. Consider changing "healthy" to "neurotypical." Personality traits were examined too, but there is not a lot of rationale here regarding overlap. I agree it is important to review this too, but this needs to be discussed.
5. Is microbiome included at the very end as a data point?

Round 2 Review

It appears that the recommended revisions have been addressed, and I have no additional comments

Conflicts of Interest

None declared.

Reference

1. van Eijndhoven P, Collard R, Vrijsen J, Geurts DE, Vasquez AA, Schellekens A, et al. Measuring Integrated Novel Dimensions in Neurodevelopmental and Stress-Related Mental Disorders (MIND-SET): protocol for a cross-sectional comorbidity study from a Research Domain Criteria perspective. JMIRx Med 2022;3(1):e31269 [FREE Full text]

XSL•FO
RenderX

Abbreviations

RDoC: Research Domain Criteria

XSL•FO
RenderX