

A systematic review of patient reported outcome measures in maternal postpartum post-traumatic stress disorder.

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Introduction

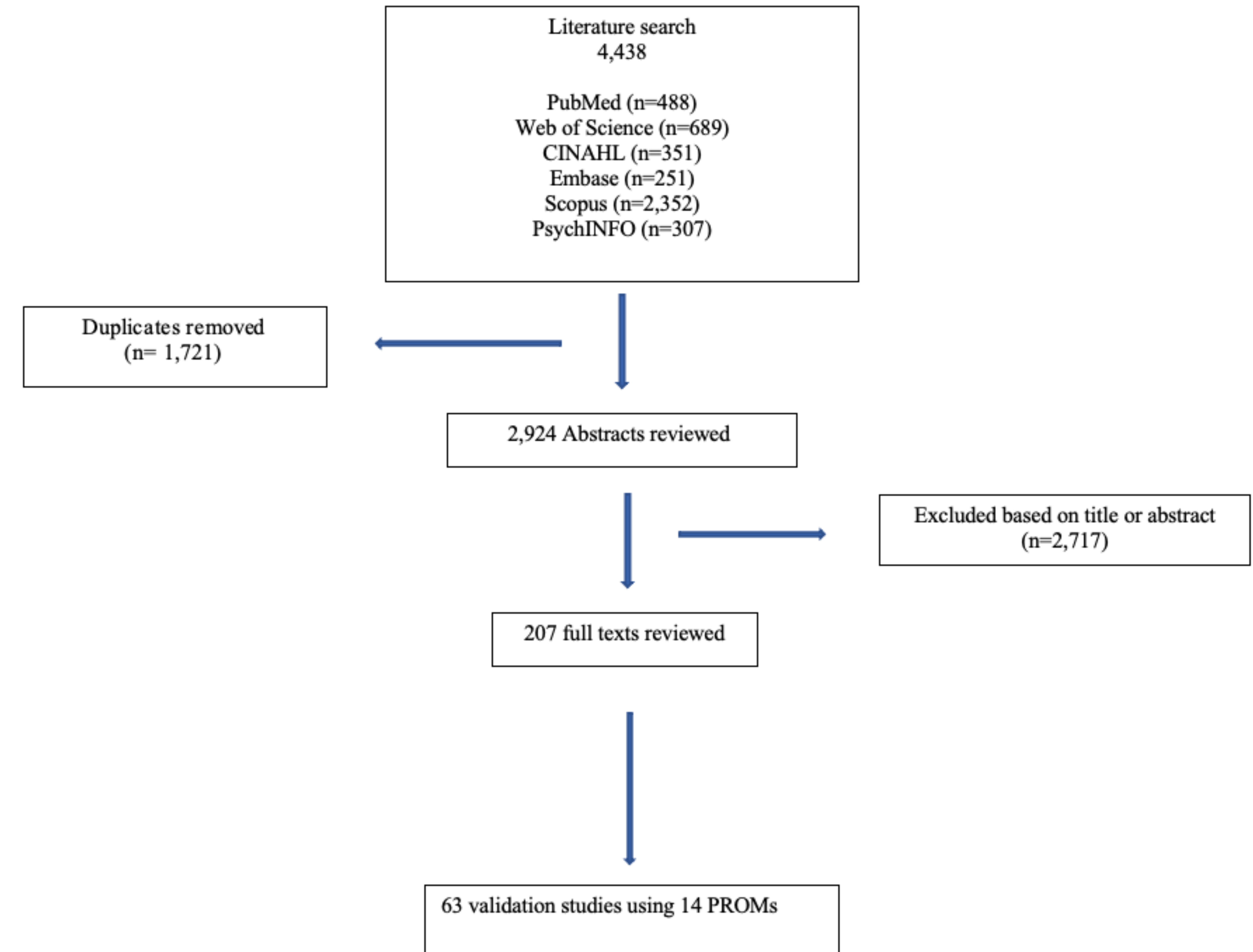
- Postpartum psychological health is an important part of postpartum recovery.
- Psychological trauma related to childbirth is common with up to 44% perceiving their birth experiences as traumatic
- Prevalence of diagnosed postpartum posttraumatic stress disorder (PTSD) ranging from 4% to 19% in higher risk groups.
- Patient Reported Outcome Measures (PROMs) are important instruments in which patients can report their own health states.
- We evaluated the psychometric measurement properties of existing PROMs used for maternal postpartum PTSD.
- To provide recommendations regarding the best available measure(s).

Methods

- Prospectively registered with PROSPERO.
- Search of 6 databases for validated PROMs of postpartum PTSD
- Studies were considered if they evaluated at least one psychometric measurement property of a PROM and a risk of bias assessment was performed to evaluate the methodology of each study.
- Psychometric measurement properties of each PROM were rated using the COSMIN criteria.
- Modified GRADE approach to assess the level of evidence.
- Recommendations were then made for the overall quality of each PROM.

Results

- 63 studies met the inclusion criteria.
- 14 PROMs evaluated between 2002 and 2022.
- PROMs in 18 different languages.
- Studies conducted in 24 countries.
- 43,383 postpartum patients.



Results

- Modified PTSD Symptom Scale Self-Report (MPSS-SR) and Posttraumatic Diagnostic Scale (PDS)
- Only CityBiTs assessed all 8 domains of content validity according to the DSM-5 criteria.
- Eight PROMs had sufficient content validity (≥4 out of 8 domains) and at least low level of evidence for internal consistency, therefore achieved Grade A recommendation.

Conclusion

- Highlights the range of PROMs available to evaluate and screen for postpartum PTSD.
- Further studies are required to assess screening cut-offs against gold standard tools and cross-cultural validity in the postpartum population.

PROM	Obstetric pop. specific? Yes/ No	Language(s) used (n) studies	Recommendation
City Birth Trauma Scale (CityBiTS)	Yes	Croatian (3); English (2); Hebrew (2); French (1); German (1); Russian (1); Spanish (1) and Turkish (1)	A
Harvard Trauma Questionnaire-16 (HTQ-16)	No	Kiswahili (1)	B
Impact of Event Scale (IES)	No	Norwegian (6); English (2)	B
Impact of Event Scale- German (IES-G)	Yes	German (1)	B
Impact of Event Scale- Revised (IES-R)	No	Dutch (2); Persian (2); English (1); French (1); Italian (1) and Swedish (1)	A
Los Angeles Symptoms Checklist (LASc)	No	Italian (1)	A
Modified PTSD Symptom Scale Self-Report (MPSS-SR)	No	English/French (1)	B
Posttraumatic Stress Disorder Checklist for DSM-5 (PCL-5)	No	Greek (2); Persian (2); Dutch (1); English (1); French (1) and not known (2)	A
Posttraumatic Diagnostic Scale (PDS)	No	English (1); German (1) and Turkish (1)	A
Perinatal PTSD Questionnaire (PPQ)	Yes	Italian (3) and English (2)	A
Perinatal PTSD Questionnaire- II (PPQ-II)	Yes	Spanish (2); Chichewa (1); Chinese (1); English (1); Italian (1) and Korean (1)	A
PTSD Symptom Scale - Self-Report (PSS-SR)	No	Dutch (3); English (3) Hebrew (1) and not known (1)	B
Self-rating inventory for PTSD (SRIP)	No	Dutch (1)	B
Traumatic Events Scale (TES)	No	Dutch (3); French (1); German (1) and Swedish (1)	A