

INPLASY

Comorbidity of Binge Eating and other psychiatric disorders: a systematic review

INPLASY202370075

doi: 10.37766/inplasy2023.7.0075

Received: 19 July 2023

Published: 19 July 2023

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ADMINISTRATIVE INFORMATION

Support - This work was financially supported by the Centre of Medical Postgraduate Education (stationary funding, program no 501-1-065-38-21).

Review Stage at time of this submission - Completed but not published.

Conflicts of interest - None declared.

INPLASY registration number: INPLASY202370075

Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 19 July 2023 and was last updated on 19 July 2023.

INTRODUCTION

Review question / Objective This systematic review aims to organize the current knowledge on the co-occurrence of BED with other psychiatric disorders.

Rationale Binge eating disorder (BED) is now recognized as the most common eating disorder, although it has only been identified as a distinct clinical syndrome relatively recently. BED can manifest either as an independent condition or in conjunction with other mental disorders, further compounding the overall burden of the illness. Given the relatively recent recognition of BED as a distinct disorder, the purpose of this review is to consolidate the existing understanding of the coexistence of BED with other psychiatric disorders.

Condition being studied BED and co-occurring psychiatric disorders.

METHODS

Search strategy The following bibliographic databases have been used: MEDLINE, MEDLINE Complete, and Academic Search Ultimate. We used the following search string: 'binge eating disorder AND (mental health OR mental illness OR mental disorder OR psychiatric illness)'.

Participant or population Patients with BED as a main diagnosis, patients with other psychiatric condition as a main diagnosis (including mood disorders, anxiety disorders, substance use disorders), population-based samples, and community samples.

Intervention N/A.

Comparator N/A.

Study designs to be included Only quantitative data.

Eligibility criteria We included articles only if they were published in English and published between January 1, 2010 and April 30, 2023. Articles were excluded if they (1) were not related to BED, (2) did not present empirical data, (3) were not scientifically peer-reviewed, (4) duplicated, (5) did not have full-text available, (6) were not related directly to the subject of the review, and (7) put emphasis on bariatric patients.

Information sources MEDLINE, MEDLINE Complete, and Academic Search Ultimate.

Main outcome(s) Our analysis revealed the associations between BED and several mental disorders, with mood disorders, anxiety disorders, and substance use disorders being the most common diagnoses accompanying BED.

Additional outcome(s) BED has been found to co-occur with various psychiatric conditions. These include reaction to severe stress and adjustment disorders, impulse control disorder, ADHD (Attention-Deficit/Hyperactivity Disorder), personality disorders, behavioral disorders, somatoform disorders, and schizophrenia. Additionally, research suggests that BED is often associated with experiences of physical, emotional, or sexual abuse, suicidality, and sleep disorders.

Data management Microsoft Excel.

Quality assessment / Risk of bias analysis No risk of bias analysis has been conducted.

Strategy of data synthesis Results were summarized and presented in tables by group: patients with BED as a main diagnosis, patients with other mental disorders as a main diagnosis, population samples and community samples.

Subgroup analysis No subgroup analysis has been conducted.

Sensitivity analysis No sensitivity analysis has been conducted.

Language restriction English.

Country(ies) involved Poland.

Keywords binge eating disorder; comorbidity; mental disorders.

Dissemination plans Journal dedicated to psychiatry and mental health.

Contributions of each author

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