

# Efficacy of educational interventions in adolescent population with feeding and eating disorders: a systematic review

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#### Abstract

**Background** Educational interventions are a key element in the care of young patients with feeding and eating disorders, forming part of the majority of therapeutic approaches. The aim of this review is to evaluate the impact of educational interventions in adolescents with feeding and eating disorders.

Methods: Following the PRISMA recommendations electronic databases were searched up to 29 June 2023. Studies related to educational interventions in young population diagnosed with feeding and eating disorders (anorexia nervosa, avoidant/ restrictive food intake disorder, bulimia nervosa, pica and ruminative disorders and binge- eating disorder) in Spanish and English language, without temporal limitation, were located in the databases: PubMed, Scopus, CINAHL, Cochrane Library, PsycINFO, CUIDEN, DIALNET, and ENFISPO. A search in the databases of grey literature was performed in OpenGrey and Tesco. The review protocol was registered in PROSPERO (CRD42020167736).

Results: A total of 191 articles were selected from the 9744 citations screened. Ten publications were included. The results indicated variability between educational programs, including individual and group interventions, learning techniques and various research methodologies. Variables such as learning, attitudinal and perceptual changes, anthropometric parameters, symptom improvement, normalization of eating patterns, evaluation of the program and cognitive flexibility were identified. The risk of bias was high due to the low methodological quality of a large number of studies analyzed.

Conclusion The results indicate that educational interventions can influence the improvement of knowledge level and have a positive effect on health outcomes. Although education is a common practice in the treatment of these pathologies, high-quality studies were not identified. Thus, this review concludes that additional evidence is needed to evaluate the effectiveness of educational programs, with further research studies, especially randomized controlled trials, to confirm these results. Level of evidence Level 1: Systematic review.

Keywords Adolescent - Children - Feeding and eating disorders - Health education

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#### Introduction

Feeding and eating disorders (FEDs) are a group that includes a variety of diagnoses including anorexia nervosa, avoidant/restrictive food intake disorder, bulimia nervosa, pica and ruminative disorders and binge-eating disorder.

Although some of these pathologies share common elements, the diagnostic criteria for each of them are particular. Table 1 summarizes the most important diagnostic features according to the DSM-V criteria. [1]

The onset of FEDs occurs mainly at early ages, with 18 years being the mean age for diagnosis of anorexia nervosa (AN) and bulimia nervosa (BN) [2]. It has been shown that the prognosis for detecting EDs is more favorable in

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Recent Trends in Pharmacovigilance Elena Ramírez, Francisco J. De Abajo, Miguel Gonzalez-Muñoz, Chanda Kulkarni.2022-10-07 **The Progress of Education** ,1998 Cancer Care Delivery and Women's Health Sarah M. Temkin, 2017-10-04 Cancer care delivery refers to the multiple layers of the health care system that interact to affect outcomes for patients with cancer and the quality of that care The factors included in the care delivery system that potentially alter outcomes include social dynamics financing systems organizational structures and processes health technologies provider and individual behaviors Because women's health care has its own unique challenges the intersection between cancer care delivery and women s health is to be examined in this Frontiers in Oncology issue The unique opportunities and challenges of improving the health care system for women with breast and gynecologic cancers are to be explored in depth We will visit many topics of cancer care delivery with the unique perspective geared towards the care of women s malignancies Journal of the American Dietetic Association ,2002 New Zealand Dental Journal ,1984 Fifth Survey of Educational Research, 1988-92: Abstracts, 1997 Rural Development Strategies & Role of Institutions B. S. Vasudeva Rao, 2007 Papers presented at the National Seminar on Recent Trends in Knowledge Management held at Journal of Indian Education ,1993 **International Family Planning Project Reports** American Home Anantapur Economics Association. International Family Planning Project, 1971 Collected reports from the International Family Planning Project of the American Home Economics Association carried out under contract no AID csd 3623 examining the implications of population pressures for home economists in implementing family planning projects **Dissertation Abstracts** International ,2009 Preventive Educational Intervention for Mental Health S. Richard Sauber, 1973 Abstracts ... Annual Meeting of the American Public Health Association and Related Organizations American Public Health Association. Annual Meeting, 2000 Current Index to Journals in Education ,1998-07 **Indian Educational Abstracts** ,1999

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