

INPLASY

Nutritional status and dietary behaviors of children with intellectual or developmental disabilities in Saudi Arabia

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ADMINISTRATIVE INFORMATION

Support - King Salman Center For Disability Research, POBox 94682 Riyadh 11614, Saudi Arabia.

Review Stage at time of this submission - The review has not yet started.

Conflicts of interest - None declared.

INPLASY registration number: INPLASY202420055

Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 13 February 2024 and was last updated on 13 February 2024.

INTRODUCTION

Review question / Objective What are the findings that can be collected from available literature related to nutritional status and dietary behaviors among children with intellectual or developmental disabilities from Saudi Arabia?

Rationale Their risk of malnutrition can be increased among disabled children due to several factors.

Condition being studied Intellectual or developmental disabilities; including autism spectrum disorders (ASD), Down syndrome (DS), attention deficit hyperactivity disorder (ADHD), or cerebral palsy (CP).

METHODS

Search strategy Journal articles will be identified from selected databases that had been published in December 2023 or before.

Participant or population The target population will be children aged 18 years or younger who are diagnosed with one of intellectual or developmental disabilities.

Intervention Not applicable.

Comparator Typically-developing children.

Study designs to be included Observational or cohort studies.

Eligibility criteria The inclusion criteria include: 1) research articles issued in English in peer-reviewed journals, 2) The target population will be children aged 18 years or younger 3) the children should be diagnosed with one of intellectual or developmental disabilities, including autism spectrum disorders (ASD), Down syndrome (DS), attention deficit hyperactivity disorder (ADHD), and cerebral palsy (CP), 4) the study objectives include assessing nutritional status or dietary behaviors of children with intellectual or developmental disabilities, and 5) the study should be conducted in Saudi Arabia.

Information sources Web of Science, Scopus, PubMed, and Google Scholar databases.

Main outcome(s) This systematic review will offer a summary of the data that is currently available regarding the nutritional status and dietary behaviors of children with intellectual or developmental disabilities in Saudi Arabia.

Additional outcome(s) Not applicable.

Data management Study selection will be accomplished in two phases. Firstly, the titles and abstracts of collected studies will be screened for relevance by two independent authors based on the inclusion criteria and inappropriate studies were excluded. Secondly, the full text of relevant studies will be collected and screened by two independent authors to assess their eligibility to be included in this systematic review. A comparison of data collected by each researcher will be carried out after each phase by a third author and inconsistencies will be discussed and polished. The final list of relevant studies will be determined and used for data extraction. Required data will be collected from the selected studies and then organized in a charting table using the Microsoft Excel spreadsheet.

Quality assessment / Risk of bias analysis The methodological quality and bias risk will be evaluated by two authors using the Quality Criteria Checklist of the Academy of Nutrition and Dietetics.

Strategy of data synthesis Data collected from the included studies will be organized in relevant tables.

Subgroup analysis None.

Sensitivity analysis None.

Language restriction All searches will be limited to English-language.

Country(ies) involved Saudi Arabia; Jordan.

Keywords Nutritional status; dietary behaviors, intellectual or developmental disabilities; children; Saudi Arabia.

Dissemination plans Review results will be published in a peer-reviewed journal.

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