

Associations between dietary intake, diet quality and depressive symptoms in youth: A systematic review of observational studies

Yiqi Wang^{1,2*}, Jianghong Liu³, Charlene Compher⁴, Tanja V.E. Kral^{4,5}

¹University of Pennsylvania School of Nursing, Philadelphia, PA, USA

²University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, USA

³Department of Family and Community Health, University of Pennsylvania School of Nursing, Philadelphia, PA, USA

⁴Department of Biobehavioral Health Sciences, University of Pennsylvania School of Nursing, Philadelphia, PA, USA

⁵Department of Psychiatry, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, USA

Supplementary file 1

Table S1. Search strings by database

Database	Search Strings
Embase	((('trace element'/exp OR micronutrient* OR 'mineral intake'/exp) AND ('nutritional deficiency'/exp OR 'vitamin deficiency'/exp OR deficien* OR insuffien*)) AND ('depression'/exp OR depressive) AND ([adolescent]/lim OR [child]/lim OR [infant]/lim OR [preschool]/lim OR [school]/lim OR [young adult]/lim OR adolescen* OR teenage*) AND [2000-2021]/py NOT 'conference abstract'/it
CINAHL	(MH "Micronutrients" OR micronutrient*) AND (MH "depression" OR depression OR depressive) AND (MH "Deficiency Diseases+" OR MH "nutritional deficiency" OR MH "Avitaminosis+" OR deficien* OR insufficien*) AND (child or adolescent OR infant OR adolescence OR teenage*)
PsycINFO	MAINSUBJECT.EXACT.EXPLODE("Nutrition") AND ("trace elements" OR micronutrient*) AND (MAINSUBJECT.EXACT.EXPLODE("Major Depression") OR depression OR depressive) AND (MAINSUBJECT.EXACT("Vitamin Deficiency Disorders") OR MAINSUBJECT.EXACT("Nutritional Deficiencies") OR deficien* OR insufficien*) AND (child or adolescent OR infant OR adolescence OR teenage*)
PubMed	("Micronutrients"[Mesh] OR "Micronutrients" [Pharmacological Action] OR "Trace Elements"[Mesh] OR "Trace Elements" [Pharmacological Action]) AND (depression OR "Depressive Disorder"[Mesh]) AND ("avitaminosis"[Mesh] OR "deficiency diseases"[Mesh] OR deficien* OR deficient OR insuffien*) AND ("Adolescent"[Mesh] OR "Child"[Mesh] OR "Infant"[Mesh] OR "young adult" OR teenage* OR adolescen*) AND ("2000/01/01"[Pdat]:"2030/01/01"[Pdat])