

Additional file 1: Search Strategy. A description of the search strategies for database searches in the review.

Ovid Interface: Medline and In-Process & Other Non-indexed Citations and Embase

Search Date: 15/09/2023

Search Line	Search Terms	Results
1	(factor\$ or determinant\$ or influenc\$ or enabler\$ or "risk factor\$" or "causal factor\$" or "cause\$").mp	21334564
2	(IDP\$ or "displaced person\$" or "internally displaced person\$" or "internally displaced people" or "displaced people" or "refugee\$").mp.	49149
3	(malnutrition or "moderate acute malnutrition" or "malnourished children" or malnourishment or undernourishment).mp.	172352
4	("dietary deficienc\$" or "protein energy malnutrition" or undernutrition or wasting or underweight or nutrition).mp.	778244
5	3 OR 4	865331
6	1 AND 2 AND 5	887
7	limit 6 to yr="2019 -Current"	285
8	limit 7 to ("all infant (birth to 23 months)" or "newborn infant (birth to 1 month)" or "infant (1 to 23 months)" or "preschool child (2 to 5 years)")	204
9	remove duplicates from 8	173

EBSCO Interface: CINAHL

Search Date: 19/09/2023

Search Line	Search Terms	Results
1	TX malnutrition OR TX nutrition OR TX acute malnutrition OR TX (malnourishment or malnutrition or undernourishment or nutrition) OR TX (wasting and stunting)	341289
2	TX moderate acute malnutrition OR TX undernourished child OR TX malnourished children OR TX malnourishment in children OR TX dietary deficiency	1844
3	TX underweight OR TX underweight children OR TX undernutrition OR TX (protein energy malnutrition or protein-energy malnutrition or marasmus or kwashiorkor or protein energy undernutrition or protein-energy undernutrition or protein calorie malnutrition or protein-calorie malnutrition or malnutrition) OR TX diet	205248
4	#1 OR #2 OR #3	433414
5	TX (factors or causes or influences or reasons or determinants) OR TX (enablers or facilitators or factors) OR TX causal factors	2186690
6	TX idp camp OR TX idp\$ OR TX (displaced or refugee or migrant) OR TX displaced persons OR TX internally displaced persons OR TX (internally displaced persons or refugees) OR TX displacement	48949
7	TX africa OR TX (subsaharan africa or africa) OR TX west africa OR TX east africa OR TX north africa OR TX south africa OR TX southern africa	84932
8	#4 AND #5 AND #6 AND #7	142
9	Limit 8 to Publication Year: 2019-2023. Narrow by Language: English. Expanders- Apply equivalent subjects. Search modes-Boolean/Phrase	30

Web of Science

Search Date: 01/09/2023

Search Line	Search Terms	Results
1	ALL=(factor\$ OR determinant\$ OR influenc\$ OR enabler\$ OR "risk factor\$")	9921043
2	ALL=("causal factor\$" OR cause\$)	4181586
3	#1 OR #2	13084088
4	ALL=((idp\$ OR "displaced person\$" OR "internally displaced person\$"))	10667
5	TS=("internally displaced people" OR "displaced people" OR refugee\$)	47711
6	#4 OR #5	53652
7	TS=(malnutrition OR "moderate acute malnutrition" OR "malnourished children" OR malnourishment OR undernourishment OR "dietary deficienc\$" OR underweight OR wasting OR nutrition OR "protein energy malnutrition")	1197682
8	#3 AND #6 AND #7	384
9	#8 AND ((PY==("2019" OR "2020" OR "2021" OR "2022" OR "2023") AND DT==("ARTICLE") AND CU==("ETHIOPIA" OR "CAMEROON" OR "GHANA" OR "ZAMBIA" OR "RWANDA" OR "REP CONGO" OR "MOROCCO" OR "GUINEA" OR "GAMBIA" OR "EGYPT" OR "COTE IVOIRE" OR "NIGERIA" OR "UGANDA" OR "KENYA" OR "SOMALIA" OR "BENIN" OR "TANZANIA")) NOT (SILOID==("PPRN"))))	43

Additional file 2: Data Extraction Form. A copy of the data extraction form used to extract data from the included studies.

Study Features	
Authors	
Study Title	
Year of Publication	
Study Setting	
Date Conducted	
Aims and Objectives	
Study Characteristics	
Sample Size	

Recruitment Method	
Participants Characteristics	
Gender	
Mean age	
Methodology	
Study Design	
Sampling method	
Study type	
Study measures	
Measurement of outcomes	
Findings	
Study Results	
Interpretation	