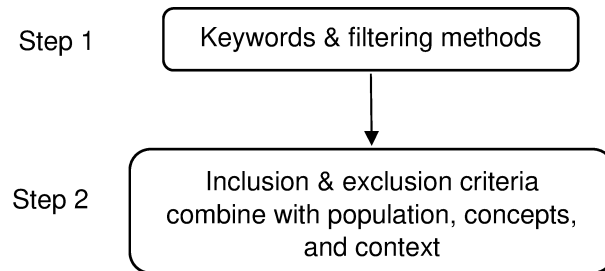


Supplementary file 1**Detailed search strategy:****Step 1 – Main search strategy and filtering option**

Database	Keyword (1)	Keyword (2)	Language filter	Publication time filter
PubMed	malaria* (MeSH Terms)	cross\$border OR border* (title/abstract)	English	1 Jan 2010 to 31 Oct 2021
EBSCOHOST	malaria* (title)	crossborder OR cross border OR cross-border OR border* (abstract)	English	1 Jan 2010 to 31 Oct 2021
ProQuest	malaria* (title)	crossborder OR cross border OR cross-border OR border (abstract)	English	1 Jan 2010 to 31 Oct 2021
ScienceDirect	malaria* (title)	crossborder OR cross border OR cross-border OR border* (abstract)	English	2010-2021

Step 2 – Hand search strategy for Population, Concepts, and Context (OR)

Population	
People or community at risk who live in the cross border area	Men OR women; all/document text Pregnant; all/document text Children OR child; all/document text Migrant; all/document text Nomad OR mobile population; all/document text Traveler OR miner OR forest worker; all/document text Vulnerable populations; all/document text
Concepts	
Interventions model or activities of malaria control program at the cross border	Intervention OR activity*; all/document text Diagnosis OR treatment OR prevention; all/document text LLIN OR IRS OR MBS; all/document text Surveillance; all/document text Data sharing; all/document text Notification; all/document text Case finding; all/document text Monitoring and evaluation; all/document text Capacity building; all/document text
Context	
Any areas (districts level, countries level)	National OR district OR village; all/document text (China OR North Korea OR Lao DPR OR Myanmar OR Bhutan OR Nepal OR Vietnam OR Afghanistan OR Bangladesh OR India OR Cambodia OR Malaysia OR Indonesia OR Timor Leste OR Papua New Guinea OR Iran OR Yamen OR Saudi Arabia); all/document text NOR Africa NOR Europe NOR America NOR Australia; abstract
Any antimalarial activities or phases of malaria control program	Control OR elimination OR prevention of re-establishment; all/document text
Any type of mobility in cross border	Land border; all/document text NOR sea border NOR port border; abstract