Article title: Health Insurance Schemes and Their Influences on Healthcare Variation in Asian Countries: A Realist Review and Theory's Testing in Thailand

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Supplementary file 1

Search strategy

The PICOS (Population, Intervention, Comparator, Outcome, Study design) approach was used to help developing key domains of search terms and eligibility criteria. We also filtered Asian countries, English language, and years of publication where allowed. The following terms were attempted.

Domains	Qualification	Possible terms
Population	Asian country populations ⁺	Use filter where possible
Intervention	Different health insurance schemes	insurance, health insurance,
	Any differences in insurance policies	scheme*, program*, plan, system
Comparator	Population groups covered by different	insurance, health insurance,
	insurance schemes OR	scheme*, program*, plan, system
	Population groups targeted by different	
	insurance policies	
Outcome	Variation in medical practice, service	variation*, difference*, change*
	provision, utilization rate	
Study design	Original research, Reviews such as	Use filter where possible
	systematic review, scoping review, rapid	
	review	

[†] Referred to countries and territories in Asia used by the Statistics Division of the United Nations (<u>https://unstats.un.org/unsd/methodology/m49/</u>)

Finally, the search terms 'health insurance' AND 'variation' were selected as they were broad but precise enough to yield relevant results. The exact terms and filters used in each database were reported below.

DATABASE	MEDLINE	EMBASE	SCOPUS	Web of Science
KEYWORDS				
1	variation	variation	variation	variation
2	health insurance	health insurance	health insurance	"health insurance"
BOOLEAN	AND	AND	AND	AND
SCOPE		title, abstract, keywords	title, abstract, keywords	topic
FILTERS				
1	2010-2021	2010-2021	2010-2021	2010-2021
2		English	English	English
3		Article	Article	Article
4		Human	Medicine	Asia (UN)
5			All open access	Open access
6			Asia (UN)	
No of Hits	381	663	334	205
Date	04-0ct-21	05-0ct-21	25-0ct-21	25-0ct-21

Eligibility criteria

Inclusion		Exclusion		
-	studies that compared at least two insurance schemes or a single scheme with a policy change and presented the variation of medical practice, service provision, access to or utilisation of health services. studies that focused on Asian countries were included (based on the list of countries and territories in the Asia geographical region of the Statistics Division of the United Nations	OR 2.	studies that demonstrated the variation only between insured and uninsured people	
AND				
3.	only research or review articles			
AND				
4.	studies published in the English			
	language between 2010-2021			