

Appendix: The impact of long-term care insurance in China on beneficiaries and caregivers: A systematic review

In this appendix, we provide additional details related to our study.

A1. Search strategies and terms used for the systematic review on the impact of long-term care insurance in China

A1.1 Chinese databases search

Search strategies	Search terms
China National Knowledge Infrastructure(CNKI) search up to 7 September 2020 to include studies reporting data from 2016 onwards	
#1 long-term care insurance	<p>SUBJECT=('长期护理保险'+长期照护保险'+长期医疗护理保险'+长护保险'+长护险'+长期护理险'+长期照护险'+第六险'+('长期护理'+长期照护'+长期医疗护理'+长期医疗')*保险)+'医疗照护保险)</p> <p>Translation:</p> <p>SUBJECT=('long-term care insurance'+long-term healthcare insurance'+the sixth insurance'+(('long-term care'+long-term healthcare')*insurance)</p>
#2 Publication Time: From 2016 to now	<p>发表时间: 从 2016-01-01 至今</p> <p>Translation:</p> <p>Publication Time: From 2016-01-01 to now</p>
#3	#1 AND #2
Wanfang search up to 7 September 2020 to include studies reporting data from 2016 onwards	
#1 long-term care insurance	<p>"长期护理保险" OR "长期照护保险" OR "长期医疗护理保险" OR "长护保险" OR "长护险" OR "长期护理险" OR "长期照护险" OR "第六险" OR (("长期照护" OR "长期护理" OR "长期医疗护理" OR "长期医疗") AND "保险") OR "医疗照护保险"</p> <p>Translation:</p> <p>"long-term care insurance" OR "long-term healthcare insurance" OR "the sixth insurance" OR (("long-term care" OR "long-term healthcare") AND insurance)</p>
#2 long-term care insurance AND Publication Time: From 2016 to now	<p>("长期护理保险" OR "长期照护保险" OR "长期医疗护理保险" OR "长护保险" OR "长护险" OR "长期护理险" OR "长期照护险" OR "第六险" OR (("长期照护" OR "长期护理" OR "长期医疗护理" OR "长期医疗") AND "保险") OR "医疗照护保险") Date:2016-</p> <p>Translation:</p>

Search strategies	Search terms
	("long-term care insurance" OR "long-term healthcare insurance" OR "the sixth insurance" OR (("long-term care" OR "long-term healthcare") AND insurance)) Date:2016-
VIP search up to 7 September 2020 to include studies reporting data from 2016 onwards	
#1 long-term care insurance	M=("长期护理保险" OR "长期照护保险" OR "长期医疗护理保险" OR "长护保险" OR "长护险" OR "长期护理险" OR "长期照护险" OR "第六险" OR (("长期照护" OR "长期护理" OR "长期医疗护理" OR "长期医疗") AND "保险") OR "医疗照护保险") Translation: TITLE OR KEYWORDS=("long-term care insurance" OR "long-term healthcare insurance" OR "the sixth insurance" OR (("long-term care" OR "long-term healthcare") AND insurance))
#2 long-term care insurance	R=("长期护理保险" OR "长期照护保险" OR "长期医疗护理保险" OR "长护保险" OR "长护险" OR "长期护理险" OR "长期照护险" OR "第六险" OR (("长期照护" OR "长期护理" OR "长期医疗护理" OR "长期医疗") AND "保险") OR "医疗照护保险") Translation: ABSTRACT=("long-term care insurance" OR "long-term healthcare insurance" OR "the sixth insurance" OR (("long-term care" OR "long-term healthcare") AND insurance))
#3	#1 OR #2
#4 Publication Year: 2016-2020	年份: 2016-2020 Translation: Publication Year: 2016-2020
#5	#3 AND #4

A1.2 English databases search

Search strategies	Search terms
PubMed search up to 7 September 2020 to include studies reporting data from 2016 onwards	
#1 long-term care insurance	"Insurance, Long-Term Care"[Mesh] OR ("Insurance"[Mesh] AND "Long-Term Care"[Mesh])
#2 long-term care insurance	("long-term care insurance" OR "long term care insurance" OR "insurance, long term care" OR "care insurance" OR ("long-term care" OR "long term care") AND insurance) OR "long-term health care insurance" OR "long-term health insurance"
#3	#1 OR #2
#4 China	China OR Chinese OR Beijing OR Shanghai OR Guangdong OR Guangzhou OR Shenzhen OR Jiangsu OR Hubei OR Shandong OR Zhejiang OR Chongqing OR Sichuan OR Anhui OR Jilin OR Liaoning OR Henan OR Shanxi OR Xinjiang OR Shanxi OR Tianjin OR Heilongjiang OR Xinjiang OR Qingdao OR Chengdu OR Suzhou OR Nantong OR Shangrao OR Jingmen OR Anqing OR Ningbo OR Chengde OR Changchun OR Qiqihaer OR Shihezi OR Neimenggu OR Huhehaote OR Panjin OR Fuzhou OR Kaifeng OR Hunan OR Xiangtan OR Guangxi OR Nanning OR Guizhou OR Yunnan OR Gansu
#5	#3 AND #4
#6	2016:3000[dp]
#7	#5 AND #6
Embase search up to 7 September 2020 to include studies reporting data from 2016 onwards	
#1 insurance	'insurance'/exp
#2 long term care	'long term care'/exp
#3	#1 AND #2
#4 long-term care insurance	'long-term care insurance':ti,ab OR 'long term care insurance':ti,ab OR 'insurance, long term care':ti,ab OR 'care insurance':ti,ab OR (('long-term care':ti,ab OR 'long term care':ti,ab) AND 'insurance':ti,ab) OR 'long-term health care insurance':ti,ab OR 'long-term health insurance':ti,ab
#5	#3 OR #4
#6 Publication Year: 2016-2020	2016:py OR 2017:py OR 2018:py OR 2019:py OR 2020:py

Search strategies	Search terms
#7	#5 AND #6
#8 China	China OR Chinese OR Beijing OR Shanghai OR Guangdong OR Guangzhou OR Shenzhen OR Jiangsu OR Hubei OR Shandong OR Zhejiang OR Chongqing OR Sichuan OR Anhui OR Jilin OR Liaoning OR Henan OR Shanxi OR Xinjiang OR Shanxi OR Tianjin OR Heilongjiang OR Xinjiang OR Qingdao OR Chengdu OR Suzhou OR Nantong OR Shangrao OR Jingmen OR Anqing OR Ningbo OR Chengde OR Changchun OR Qiqihaer OR Shihezi OR Neimenggu OR Huhehaote OR Panjin OR Fuzhou OR Kaifeng OR Hunan OR Xiangtan OR Guangxi OR Nanning OR Guizhou OR Yunnan OR Gansu
#9	#7 AND #8
Web of Science search up to 7 September 2020 to include studies reporting data from 2016 onwards	
#1 long-term care insurance	TS=("long-term care insurance" OR "long term care insurance" OR "insurance, long term care" OR "care insurance" OR ("long-term care" OR "long term care") AND insurance) OR "long-term health care insurance" OR "long-term health insurance")
#2 Publication Year: 2016-2020	PY=2016-2020
#3	#1 AND #2
#4 China	ALL=(China OR Chinese OR Beijing OR Shanghai OR Guangdong OR Guangzhou OR Shenzhen OR Jiangsu OR Hubei OR Shandong OR Zhejiang OR Chongqing OR Sichuan OR Anhui OR Jilin OR Liaoning OR Henan OR Shanxi OR Xinjiang OR Shanxi OR Tianjin OR Heilongjiang OR Xinjiang OR Qingdao OR Chengdu OR Suzhou OR Nantong OR Shangrao OR Jingmen OR Anqing OR Ningbo OR Chengde OR Changchun OR Qiqihaer OR Shihezi OR Neimenggu OR Huhehaote OR Panjin OR Fuzhou OR Kaifeng OR Hunan OR Xiangtan OR Guangxi OR Nanning OR Guizhou OR Yunnan OR Gansu)
#5	#3 AND #4

A2. PRISMA 2020 Checklist

Section and Topic	Item #	Checklist item	Location where item is reported
TITLE			
Title	1	Identify the report as a systematic review.	
ABSTRACT			
Abstract	2	See the PRISMA 2020 for Abstracts checklist.	
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	
METHODS			
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	
Information sources	6	Specify all databases, registers, websites, organisations, reference lists and other sources searched or consulted to identify studies. Specify the date when each source was last searched or consulted.	
Search strategy	7	Present the full search strategies for all databases, registers and websites, including any filters and limits used.	
Selection process	8	Specify the methods used to decide whether a study met the inclusion criteria of the review, including how many reviewers screened each record and each report retrieved, whether they worked independently, and if applicable, details of automation tools used in the process.	
Data collection process	9	Specify the methods used to collect data from reports, including how many reviewers collected data from each report, whether they worked independently, any processes for obtaining or confirming data from study investigators, and if applicable, details of automation tools used in the process.	
Data items	10a	List and define all outcomes for which data were sought. Specify whether all results that were compatible with each outcome domain in each study were sought (e.g. for all measures, time points, analyses), and if not, the methods used to decide which results to collect.	
	10b	List and define all other variables for which data were sought (e.g. participant and intervention characteristics, funding sources). Describe any assumptions made about any missing or unclear information.	
Study risk of bias assessment	11	Specify the methods used to assess risk of bias in the included studies, including details of the tool(s) used, how many reviewers assessed each study and whether they worked independently, and if applicable, details of automation tools used in the process.	
Effect measures	12	Specify for each outcome the effect measure(s) (e.g. risk ratio, mean difference) used in the synthesis or presentation of results.	
Synthesis methods	13a	Describe the processes used to decide which studies were eligible for each synthesis (e.g. tabulating the study intervention characteristics and comparing against the planned groups for each synthesis (item #5)).	
	13b	Describe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics, or data conversions.	
	13c	Describe any methods used to tabulate or visually display results of individual studies and syntheses.	
	13d	Describe any methods used to synthesize results and provide a rationale for the choice(s). If meta-analysis was performed, describe the model(s), method(s) to identify the presence and extent of statistical heterogeneity, and software package(s) used.	
	13e	Describe any methods used to explore possible causes of heterogeneity among study results (e.g. subgroup analysis, meta-regression).	
	13f	Describe any sensitivity analyses conducted to assess robustness of the synthesized results.	
Reporting bias assessment	14	Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from reporting biases).	

Section and Topic	Item #	Checklist item	Location where item is reported
Certainty assessment	15	Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome.	
RESULTS			
Study selection	16a	Describe the results of the search and selection process, from the number of records identified in the search to the number of studies included in the review, ideally using a flow diagram.	
	16b	Cite studies that might appear to meet the inclusion criteria, but which were excluded, and explain why they were excluded.	
Study characteristics	17	Cite each included study and present its characteristics.	
Risk of bias in studies	18	Present assessments of risk of bias for each included study.	
Results of individual studies	19	For all outcomes, present, for each study: (a) summary statistics for each group (where appropriate) and (b) an effect estimate and its precision (e.g. confidence/credible interval), ideally using structured tables or plots.	
Results of syntheses	20a	For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies.	
	20b	Present results of all statistical syntheses conducted. If meta-analysis was done, present for each the summary estimate and its precision (e.g. confidence/credible interval) and measures of statistical heterogeneity. If comparing groups, describe the direction of the effect.	
	20c	Present results of all investigations of possible causes of heterogeneity among study results.	
	20d	Present results of all sensitivity analyses conducted to assess the robustness of the synthesized results.	
Reporting biases	21	Present assessments of risk of bias due to missing results (arising from reporting biases) for each synthesis assessed.	
Certainty of evidence	22	Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed.	
DISCUSSION			
Discussion	23a	Provide a general interpretation of the results in the context of other evidence.	
	23b	Discuss any limitations of the evidence included in the review.	
	23c	Discuss any limitations of the review processes used.	
	23d	Discuss implications of the results for practice, policy, and future research.	
OTHER INFORMATION			
Registration and protocol	24a	Provide registration information for the review, including register name and registration number, or state that the review was not registered.	
	24b	Indicate where the review protocol can be accessed, or state that a protocol was not prepared.	
	24c	Describe and explain any amendments to information provided at registration or in the protocol.	
Support	25	Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review.	
Competing interests	26	Declare any competing interests of review authors.	
Availability of data, code and other materials	27	Report which of the following are publicly available and where they can be found: template data collection forms; data extracted from included studies; data used for all analyses; analytic code; any other materials used in the review.	

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