Supplementary material

Identifying priorities for research on financial risk protection to achieve universal health coverage: A scoping overview of reviews

Supplementary file 1. Electronic database search strategy
Supplementary file 2. Detailed eligibility criteria for scoping overview of reviews

Supplementary file 1. Electronic database search strategy (last updated July 20, 2021)

Ovid MEDLINE (n = 1,348)

	Ovid MEDLINE: Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE® Daily and Ovid MEDLINE® <1946-Present>	
#	**Searches**	**# Results**
1	exp Insurance Coverage/	18088
2	(UHC or ((universal or population or public or national or essential or social) adj4 (coverage or benefit* or insurance or care or healthcare or health care or health-care or health servic* or medicin*))).tw,kf.	192191
3	1 or 2	205627
4	(financial adj3 (protection or risk or coverage or risk-sharing or hardship or assist* or barrier* or access)).tw,kf.	7609
5	(financing adj3 (health or healthcare or health care or health-care or health service* or medicin*)).tw,kf.	5727
6	(cost-sharing or cost sharing or social health protection or social protection in health or social health promotion or reimbursement incentive* or monetary incentive* or cash transfer or cash transfers or cash grant or cash grants or monetary grant or monetary grants or non-monetary grant or non-monetary grants or non monetary grant or non monetary grants or social welfare or social assist* or social grant or social grants or social safety net or social safety-net or sociali?ed healthcare or sociali?ed health care or sociali?ed health-care or social security or health security or healthcare security or health care security or health-care security or public welfare servic*).tw,kf.	21032
7	4 or 5 or 6	33432
8	Vulnerable populations/ or exp Socioeconomic Factors/ or Healthcare Disparities/ or Health Status Disparities/ or Poverty Areas/ or Urban Population/ or "Social Determinants of Health"/	548521
9	(health adj3 (gap or gaps or gradient* or hierarch*)).tw,kf.	4294
10	(equit* or inequit* or inequalit* or disparit* or equality).tw,kf.	153269
11	((social* or socio-economic or socioeconomic or economic or structural or material) adj3 (advantage* or disadvantage* or exclude* or exclusion or include* or inclusion or status or position or gradient* or hierarch* or class* or determinant* or vulnerab* or insecurit*)).tw,kf.	145322
12	(SES or SEP or sociodemographic* or socio-demographic* or income or wealth* or poverty or educational level or level of education or educational attainment or well educated or better educated or unemploy* or home owner* or tenure or affluen* or well off or better off or worse off).tw,kf.	335018
13	(poverty or precar* or impoverish* or depriv* or destitut* or marginalis* or marginaliz* or indigen* or low-income or low income).tw,kf.	214037
14	((out-of-pocket or out of pocket or catastrophic) adj4 (spend* or expend* or cost* or expens* or payment*)).tw,kf.	6509
15	8 or 9 or 10 or 11 or 12 or 13 or 14	1045017
16	3 and 7	7126
17	3 and 15	48135
18	16 or 17	51289
19	Meta-Analysis as Topic/	20252

20	meta analy$.tw.	209726
21	metaanaly$.tw.	2309
22	Meta-Analysis/	141057
23	(systematic adj (review$1 or overview$1)).tw.	215867
24	exp Review Literature as Topic/	17597
25	19 or 20 or 21 or 22 or 23 or 24	360568
26	cochrane.ab.	102470
27	cochrane.ab.	102470
28	(psychlit or psyclit).ab.	915
29	(psychinfo or psycinfo).ab.	44220
30	(cinahl or cinhal).ab.	34735
31	science citation index.ab.	3359
32	bids.ab.	576
33	cancerlit.ab.	635
34	26 or 27 or 28 or 29 or 30 or 31 or 32 or 33	149833
35	reference list$.ab.	19743
36	bibliograph$.ab.	19851
37	hand-search$.ab.	7592
38	relevant journals.ab.	1253
39	manual search$.ab.	5024
40	35 or 36 or 37 or 38 or 39	47958
41	selection criteria.ab.	32644
42	data extraction.ab.	25296
43	41 or 42	55488
44	Review/	2855357
45	43 and 44	30460
46	Comment/	926722
47	Letter/	1150406
48	Editorial/	579399
49	animal/	6910459
50	human/	19655862
51	49 not (49 and 50)	4848355
52	46 or 47 or 48 or 51	6770006
53	25 or 34 or 40 or 45	426013
54	53 not 52	404619
55	18 and 54	1399
56	limit 55 to (english or french)	1370
57	limit 56 to dt=19950101-20210720	1348

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Ovid APA PsycINFO (n = 454)

#	Searches	# Results
APA PsycInfo <1806 to August Week 5 2021>	
1	Health Care Reform/ or Global Health/	4912
2	health insurance/ or exp employee health insurance/ or "underinsured (health insurance)"/ or "uninsured (health insurance)"/	6044
3	(UHC or ((universal or population or public or national or essential or social) adj4 (coverage or benefit* or insurance or care or healthcare or health care or health-care or health servic* or medicin*))).ti,ab.	50112
4	1 or 2 or 3	58615
5	(financial adj3 (protection or risk or coverage or risk-sharing or hardship or assist* or barrier* or access)).ti,ab.	3467
6	(financing adj3 (health or healthcare or health care or health-care or health service* or medicin*)).ti,ab.	693
7	(cost-sharing or cost sharing or social health protection or social protection in health or social health promotion or reimbursement incentive* or monetary incentive* or cash transfer or cash transfers or cash grant or cash grants or monetary grant or monetary grants or non-monetary grant or non-monetary grants or non monetary grant or non monetary grants or social welfare or social assist* or social grant or social grants or social safety net or social safety-net or sociali?ed healthcare or sociali?ed health care or sociali?ed health-care or social security or health security or healthcare security or health care security or health-care security or public welfare servic*).ti,ab.	8625
8	5 or 6 or 7	12656
9	health disparities/	9049
10	exp Socioeconomic Status/	60784
11	health disparities/	9049
12	poverty/ or disadvantaged/ or lower income status/ or poverty areas/	18173
13	"Equity (Social)"/ or "Equity (Payment)"/	3162
14	(health adj3 (gap or gaps or gradient* or hierarch*)).ti,ab.	1830
15	(equit* or inequit* or inequalit* or disparit* or equality).ti,ab.	84511
16	((social* or socio-economic or socioeconomic or economic or structural or material) adj3 (advantage* or disadvantage* or exclude* or exclusion or include* or inclusion or status or position or gradient* or hierarch* or class* or determinant* or vulnerab* or insecurit*)).ti,ab.	97625
17	(SES or SEP or sociodemographic* or socio-demographic* or income or wealth* or poverty or educational level or level of education or educational attainment or well educated or better educated or unemploy* or home owner* or tenure or affluen* or well off or better off or worse off).ti,ab.	189818
18	(poverty or precar* or impoverish* or depriv* or destitut* or marginalis* or marginaliz* or indigen* or low-income or low income).ti,ab.	108472
19	((out-of-pocket or out of pocket or catastrophic) adj4 (spend* or expend* or cost* or expens* or payment*)).ti,ab.	977
20	9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19	400615
21	4 and 8	2166

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22	4 and 20	13418
23	21 or 22	14597
24	(((comprehensive* or integrative or systematic*) adj3 (bibliographic* or review* or literature)) or (meta-analy* or metaanaly* or "research synthesis" or ((information or data) adj3 synthesis) or (data adj2 extract*))).ti,ab,id. or ((review adj5 (rationale or evidence)).ti,ab,id. and "Literature Review".md.) or (cinahl or (cochrane adj3 trial*) or embase or medline or psyclit or pubmed or scopus or "sociological abstracts" or "web of science").ab. or ("systematic review" or "meta analysis").md.	105124
25	23 and 24	504
26	limit 25 to up=19950101-20210720	486
27	limit 26 to (english or french)	454

EBSCO CINAHL-Plus (n = 935)

EBSCO CINAHL Plus with Full Text		
#	**Searches**	**# Results**
S21	S14 AND S20 Limiters - Published Date: 19950101-20210731; Exclude MEDLINE records; Language: English, French	935
S20	S18 OR S19	50,552
S19	S15 AND S17	47,638
S18	S15 AND S16	5,991
S17	S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13	559,599
S16	S3 OR S4 OR S5	14,448
S15	S1 OR S2	232,140
S14	(TI (systematic* n3 review*)) or (AB (systematic* n3 review*)) or (TI (systematic* n3 bibliographic*)) or (AB (systematic* n3 bibliographic*)) or (TI (systematic* n3 literature)) or (AB (systematic* n3 literature)) or (TI (comprehensive* n3 literature)) or (AB (comprehensive* n3 literature)) or (TI (comprehensive* n3 bibliographic*)) or (AB (comprehensive* n3 bibliographic*)) or (TI (integrative n3 review)) or (AB (integrative n3 review)) or (JN "Cochrane Database of Systematic Reviews") or (TI (information n2 synthesis)) or (TI (data n2 synthesis)) or (AB (information n2 synthesis)) or (AB (data n2 synthesis)) or (TI (data n2 extract*)) or (AB (data n2 extract*)) or (TI (medline or pubmed or psyclit or cinahl or (psycinfo not "psycinfo database") or "web of science" or scopus or embase)) or (AB (medline or pubmed or psyclit or cinahl or (psycinfo not	231,631

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	"psycinfo database") or "web of science" or scopus or embase)) or (MH "Systematic Review") or (MH "Meta Analysis") or (TI (meta-analy* or metaanaly*)) or (AB (meta-analy* or metaanaly*))	
S13	TI((out-of-pocket or out of pocket or catastrophic) N4 (spend* or expend* or cost* or expens* or payment*)) or AB((out-of-pocket or out of pocket or catastrophic) N4 (spend* or expend* or cost* or expens* or payment*))	3,485
S12	TI(poverty or precar* or impoverish* or depriv* or destitut* or marginalis* or marginaliz* or indigen* or low-income or low income) or AB(poverty or precar* or impoverish* or depriv* or destitut* or marginalis* or marginaliz* or indigen* or low-income or low income)	68,496
S11	TI(SES or SEP or sociodemographic* or socio-demographic* or income or wealth* or poverty or educational level or level of education or educational attainment or well educated or better educated or unemploy* or home owner* or tenure or affluen* or well off or better off or worse off) or AB(SES or SEP or sociodemographic* or socio-demographic* or income or wealth* or poverty or educational level or level of education or educational attainment or well educated or better educated or unemploy* or home owner* or tenure or affluen* or well off or better off or worse off)	151,541
S10	TI((social* or socio-economic or socioeconomic or economic or structural or material) N3 (advantage* or disadvantage* or exclude* or exclusion or include* or inclusion or status or position or gradient* or hierarch* or class* or determinant* or vulnerab* or insecurit*)) or AB((social* or socio-economic or socioeconomic or economic or structural or material) N3 (advantage* or disadvantage* or exclude* or exclusion or include* or inclusion or status or position or gradient* or hierarch* or class* or determinant* or vulnerab* or insecurit*))	62,2760
S9	TI(equit* or inequit* or inequalit* or disparit* or equality) or AB(equit* or inequit* or inequalit* or disparit* or equality)	71,667
S8	TI(health N3 (gap or gaps or gradient* or hierarch*)) or AB(health N3 (gap or gaps or gradient* or hierarch*))	3,571
S7	(MH "Health Status Disparities") OR (MH "Social Determinants of Health") OR (MH "Healthcare Disparities")	27,070
S6	(MH "Socioeconomic Factors+")	370,443
S5	TI(cost-sharing or cost sharing or social health protection or social protection in health or social health promotion or reimbursement incentive* or monetary incentive* or cash transfer or cash transfers or cash grant or cash grants or monetary grant or monetary grants or non-monetary grant or non-monetary grants or non monetary grant or non monetary grants or social welfare or social assist* or social grant or social grants or social safety net or social safety-net or sociali#ed healthcare or sociali#ed health care or sociali#ed health-care or social security or health security or healthcare security or health care security or health-care security or public welfare servic*) or AB(cost-sharing or cost sharing or social health protection or social protection in health or social health promotion or reimbursement incentive* or monetary incentive* or cash transfer or cash transfers or cash grant or cash grants or monetary grant or monetary grants or non-monetary grant or non-monetary grants or non monetary grant or non monetary grants or social welfare or social assist* or social grant or social grants or social safety net or social safety-net or sociali#ed healthcare or sociali#ed health care or sociali#ed health-care or social security or health security or healthcare security or health care security or health-care security or public welfare servic*)	7,688

S4	TI(financing N3 (health or healthcare or health care or health-care or health service* or medicin*)) or AB(financing N3 (health or healthcare or health care or health-care or health service* or medicin*))	2,168
S3	TI(financial N3 (protection or risk or coverage or risk-sharing or hardship or assist* or barrier* or access)) or AB(financial N3 (protection or risk or coverage or risk-sharing or hardship or assist* or barrier* or access))	4,954
S2	TI(UHC or ((universal or population or public or national or essential or social) N4 (coverage or benefit* or insurance or care or healthcare or health care or health-care or health servic* or medicin*))) or AB(UHC or ((universal or population or public or national or essential or social) N4 (coverage or benefit* or insurance or care or healthcare or health care or health-care or health servic* or medicin*)))	118,296
S1	(MH "Insurance+")	123,553

ProQuest PAIS Index (n = 165)

Search	Results
ti,ab((((UHC or ((universal or population or public or national or essential or social) NEAR/4 (coverage or benefit* or insurance or care or healthcare or "health care" or health-care or "health service" or "health services" or medicin*))) AND ((financial NEAR/3 (protection or risk or coverage or risk-sharing or hardship or assist* or barrier* or access)) OR (financing NEAR/3 (health or healthcare or "health care" or health-care or "health service" or "health services" or medicin*)) OR (cost-sharing or "cost sharing" or "social health protection" or "social protection in health" or "social health promotion" or "reimbursement incentive" or "reimbursement incentives" or "monetary incentive" or "monetary incentives" or "cash transfer" or "cash transfers" or "cash grant" or "cash grants" or "monetary grant" or "monetary grants" or "non-monetary grant" or "non-monetary grants" or "non monetary grant" or "non monetary grants" or "social welfare" or "social assistance" or "social grant" or "social grants" or "social safety net" or "social safety-net" or "socialized healthcare" or "socialised healthcare" or "socialized health care" or "socialised health care" or "socialized health-care" or "socialised health-care" or "social security" or "health security" or "healthcare security" or "health care security" or "health-care security" or "public welfare"))) OR ((UHC or ((universal or population or public or national or essential or social) NEAR/4 (coverage or benefit* or insurance or care or healthcare or "health care" or health-care or "health service" or "health services" or medicin*))) AND ((health NEAR/3 (gap or gaps or gradient* or hierarch*)) OR (equit* or inequit* or inequalit* or disparit* or equality) OR ((social* or socio-economic or socioeconomic or economic or structural or material) NEAR/3 (advantage* or disadvantage* or exclude* or exclusion or include* or inclusion or status or position or gradient* or hierarch* or class* or determinant* or vulnerab* or insecurit*)) OR (SES or SEP or sociodemographic* or socio-demographic* or income or wealth* or poverty or "educational level" or "level of education" or "educational attainment" or "well educated" or "well-education" or "better educated" or "better-educated" or unemploy* or homeowner or "home-owner" or "home owner" or homeowners or "home-owners" or "home owners" or tenure or affluen* or "well off" or "well-off" or "better off" or "better-off" or "worse off" or "worse-off") OR (poverty or precar* or impoverish* or depriv* or destitut* or marginalis* or marginaliz* or indigen* or low-income or "low income") OR ((out-of-pocket or "out of pocket" or catastrophic) NEAR/4 (spend* or	165

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expend* or cost* or expens* or payment*))))) AND (((comprehensive* or integrative or systematic* or realist or scoping or rapid or narrative) NEAR/3 (bibliographic* or review* or literature)) OR (meta-analy* or metaanaly* or "meta analysis" or "meta analyse" or "meta analyze" "meta analysed" or "meta analyzed" or "meta analyzing" or "meta analysing" or "research synthesis") OR ((information or data) NEAR/3 synthesis) OR (data NEAR/2 extract*) OR (review NEAR/5 (rationale OR evidence)) OR (cinahl or cinhal or cochrane or embase or medline or psyclit or psychlit or pubmed or scopus or "sociological abstracts" or "web of science")))   Limit dates: 1995-01-01 to 2021-07-20   Limit language: English (no French option)

Supplementary file 2. Detailed eligibility criteria for scoping overview of reviews

Criterion	Definition for inclusion	Definition for exclusion
Research design	Study methodology is a literature review (e.g., narrative, systematic, scoping, rapid, comparative, or realist reviews, including syntheses of quantitative, qualitative, or mixed methods data). Reviews could be combined with other methodologies (e.g., Delphi panel, survey, stakeholder interviews). An explicit 'Methods' section that confirms that a literature and/or document review was undertaken is available.	Study designs other than literature reviews. Studies where the methodology is unclear or not provided.
Focus on universal health coverage (UHC)	Study is focused on UHC, where UHC is of central interest to the article. UHC may be described using different terms denoting universality (e.g., universal coverage, insurance, or care).	Study does not discuss UHC. Study incidentally mentions UHC, but it is not the focus of the article.
Focus on financial risk protection	Study focuses on the achievement of UHC through FRP, where FRP is discussed in detail (e.g., as a concept, measure, or intervention). FRP is discussed in relation to the protection of health system users from financial hardship.	Study does not discuss FRP. Study incidentally mentions FRP, but it is not discussed in detail (e.g., as a concept, measure, or intervention). Study incidentally mentions FRP, but it is not discussed in the context of/as a dimension of UHC.
Language	Study is written in English or French.	Studies in any language other than English or French.
Time frame	Study is published in or after 1995.	Any studies published before 1995.
Type of publication	Study is an original published work that has undergone peer-review.	Conference abstracts, posters, editorials, thesis dissertations, technical reports, or books/book chapters.
Availability	Full text is accessible through the University of Toronto library services	