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BMJ Open

Activities and programs that support the emotional wellness of refugees, immigrants, and other newcomers within settlement agencies: A scoping review protocol

Journal:	<i>BMJ Open</i>
Manuscript ID	bmjopen-2019-033377
Article Type:	Protocol
Date Submitted by the Author:	02-Aug-2019
Complete List of Authors:	Goopy, Suzanne; University of Calgary, Faculty of Nursing Suva, Cesar; Calgary Immigrant Educational Society; University of Calgary, Faculty of Nursing Hayden, K. Alix; University of Calgary, Libraries and Cultural Resources Silversides, Halley; University of Calgary, Faculty of Nursing Palova, Katerina; Calgary Immigrant Educational Society
Keywords:	emotional wellness, immigrants, scoping review

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TITLE

Activities and programs that support the emotional wellness of refugees, immigrants, and other newcomers within settlement agencies: A scoping review protocol

CORRESPONDING AUTHOR

Suzanne Goopy PhD RN
Adjunct Associate Professor,
Faculty of Nursing,
University of Calgary
Calgary, Alberta, Canada

Postal address:

10 Shandon Street,
Edinburgh, Midlothian EH11 1QH,
Scotland, UK

Email address:

sgoopy@ucalgary.ca

Telephone:

+44 (0)7490 741577

AUTHORS

Suzanne Goopy PhD RN
Adjunct Associate Professor,
Faculty of Nursing,
University of Calgary
Calgary, Alberta, Canada

Cesar Suva PhD
Director, Research and Program Development / Visiting Research Scholar
The Immigrant Education Society / Faculty of Nursing, University of Calgary
Calgary, Canada

K. Alix Hayden, MLIS MSc PhD
Senior Research Librarian
Libraries and Cultural Resources
University of Calgary

Halley Silversides, BA BN MLIS RN
Research Associate, Refugees and Newcomers Emotional Wellness (ReNEW) Project
Faculty of Nursing
University of Calgary

Katerina Palova, M.A.
Research & Program Development Supervisor
The Immigrant Education Society
Calgary, Canada

WORD COUNT: 2648

KEYWORDS: emotional wellness, immigrants, scoping review

AUTHOR CONTRIBUTIONS

SG conceptualized the review, was involved in drafting and editing the protocol paper, guided the development and refinement of the research question, revised the title, guided the development of inclusion/exclusion criteria, the establishment of the review objectives, final preparation of protocol for submission; KAH provided methodological guidance throughout the development of the protocol, wrote the data collection component, and developed the search strategy. HS was involved in the was involved in drafting and editing the protocol paper, the development of inclusion/exclusion criteria, strengths and limitations, PRISMA chart, final edits and reference clean-ups, and proof reading ; CS and KP were involved in drafting and editing the protocol, reviewing of the background literature and giving contextualization to the study within the third sector, and involved in development of inclusion and exclusion criteria.

FUNDING STATEMENT

This work was supported by *Immigration, Refugees, Citizenship Canada* (IRCC) grant number X194857003

COMPETING INTERESTS STATEMENTS

Dr. Goopy reports grants from Immigration, Refugees, and Citizenship Canada (IRCC), during the conduct of the study.

Dr. Suva reports grants from Immigration, Refugees and Citizenship Canada, during the conduct of the study; and Cesar Suva is a full time employee of the Immigrant Education Society (TIES), a recipient of the funding for this project in collaboration with the University of Calgary. He acknowledges that the IRCC provides the funding for this project and is a major funder of the organization he works for. TIES also receives grants from other funding bodies - including municipal and provincial governments of Canada, in addition to private foundations.

Dr. Hayden I have no conflicts of interest

Ms. Silversides reports grants from Immigration, Refugees and Citizenship Canada during the conduct of the study.

Katerina Palova reports grants from Immigration, Refugees and Citizenship Canada (IRCC), during the conduct of the study; and Katerina Palova is full time employee of The Immigrant Education Society (TIES), a recipient of the funding for this project in collaboration with the University of Calgary. She would like to acknowledge that the IRCC provides the funding for this project and is a major funder of the organization she works for. TIES also receives grants from other funding bodies, including municipal and provincial governments of Canada, in addition to private foundations.

DATA SHARING STATEMENT

The search strategy, list of included studies, and data extraction tables will be available in an online supplement. No additional data will be available.

KEYWORDS

Emotional wellness, Immigrants, Scoping review

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3 **ABSTRACT**

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5 Obstacles to successful settlement – social isolation, language hardship, issues with

6 employment, housing questions, transportation, barriers to health, education and government

7 service access – all potentially play a role in emerging physical and mental health problems. The

8 objective of this scoping review is to map the available evidence in order to provide an overview

9 of the services and resources offered to refugees, immigrants and other newcomers by settlement

10 agencies to support emotional wellness.

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13 **Methods and Analysis**

14 The protocol to be followed for this scoping review is based on the Joanna Briggs

15 Institute to provide a map of the current and emergent literature, and examine the extent, range,

16 and nature of the current and emergent literature. The scoping review will also identify the gaps

17 in research pertaining to the emotional wellness of refugees, immigrants, and other newcomers

18 as well as summarize and disseminate research findings. While it will be primarily used to

19 inform knowledge users by identifying gaps in the research knowledge base, clarifying key

20 concepts, and reporting on the types of evidence that address and inform the delivery of

21 integration services across a range of disciplinary and sub-disciplinary areas, it may also be used

22 to provide direction for future systematic reviews.

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26 **Study Design**

27 This scoping review will be guided by the Joanna Briggs Institute’s Methodology for

28 Scoping Reviews, which provides a five-stage framework:

- 29 (1) Scoping review title, objective and question;
- 30 (2) Inclusion criteria;
- 31 (3) Search strategy;
- 32 (4) Extraction of the results, and
- 33 (5) Presentation of the results.
- 34
- 35

36 This five-stage framework informs our scoping review protocol, which is discussed at each

37 stage.

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40 **Discussion**

41 We anticipate that this scoping review will identify gaps in research pertaining to the

42 emotional wellness of refugees, immigrants and other newcomers. The results of the review will

43 be the first comprehensive recent survey of emotional wellness practices employed by settlement

44 agencies.

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47 **Ethics and dissemination**

48 Ethics is not required as the research will not involve human or animal subjects. The

49 research is a scoping review, and thus relies on published and grey literature studies and

50 documents.

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53 **Keywords**

54 Emotional wellness, Immigrants, Scoping review

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ARTICLE SUMMARY

Strengths and Limitations of this study

- Studies will only be reviewed if they are in English and/or French – there is the possibility that some relevant studies may be missed
- The team consists of content experts, methodological expert health sciences librarian, key stakeholders from the community
- Following rigorous JBI methodology and utilizing software (Covidence and JBI-SUMARI) for review
- Comprehensive data collection – searching multiple sources and will include grey literature

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INTRODUCTION

Research since the early twentieth century has revealed that immigrants can frequently experience mental health issues to a higher degree than local populations.[1, 2] Although such individuals might arrive in Canada with a lower average incidence of mental health issues compared to locals, these can increase due to the stress, insecurity, and precariousness that often accompanies the settlement process.[3] This is precipitated by the loss of long-established and diverse social and emotional ties that existed in newcomers' home countries but are absent at the settlement destination.[4] Rates of mental illness can be especially high amongst immigrants who are most vulnerable, such as seniors, women, and children. There can also be variation in experiences between cultural groups, depending on similarities with the host culture such as language and religion.[4] Obstacles to successful settlement – social isolation, language hardship, issues with employment, housing questions, transportation, barriers to health, education and government service access – all potentially play a role in emerging physical and mental health problems.[3] Recent immigrants, for example, are more likely to suffer disproportionately with the cost of housing, and with its consequent impact on physical and emotional health.[5]

Vulnerable newcomers can be reticent to approach mainstream health and social services because of actual and imagined consequences. These imagined consequences can include impacts on their immigration status,[6] while actual ones may include financial liability.[7] Difficulties in expressing themselves in English, as well as hesitancy to share highly personal information with health professionals with whom they have no established relationship, can be nearly insurmountable barriers for many newcomers.[7] While the *Canada Health Act* recommends that approaches to service delivery include accommodation for cultural and linguistic diversity, there is still a high degree of inconsistency in the provision of these services that ensure access to newcomers of various backgrounds.[6]

Some studies have advocated the fostering of a heterogeneous and diversified series of social connections for a more accommodating, culturally appropriate, and comprehensive provision of health and support services for immigrant populations.[8] The presence of a broad network of 'weak ties', some authors have argued, is in fact more viable in ensuring community health access for care-giving women, for example, than of strong ties in a more limited network.[9]

In a similar vein and for a host of other contextual reasons, settlement agencies in Canada have, in the past few years, developed services and programming that focus on the support of newcomer emotional health and wellness. However, these practices are diverse, limited, underdeveloped, often inconsistent, and sometimes redundant. A comprehensive examination of these practices over a wide range of contexts can inform researchers as well as practitioners about the most effective ways of ensuring the emotional wellness of the newcomers they serve.

METHODS AND ANALYSIS

This scoping review will be conducted in the following manner, adhering to the process/guidelines of the JBI scoping review methodology:

1. Research question identification
2. Identification of relevant studies
3. Selection of studies to be included

4. Extraction of relevant data from included studies
5. Summary, compilation and reporting of results
6. Sharing of results with stakeholders

Review title: Activities and programs that support the emotional wellness of refugees, immigrants, and other newcomers within settlement agencies: A scoping review protocol

Review Objective: The aim of the scoping review is to provide a map of the existing literature, and examine the extent, range, and nature of the current and emergent literature. This review will also identify the gaps in research pertaining to the emotional wellness of refugees, immigrants, and other newcomers as well as summarize and disseminate research findings. While it will be primarily used to inform knowledge users by identifying gaps in the research knowledge base,[10] clarifying key concepts,[11] and reporting on the types of evidence that address and inform the delivery of integration services across a range of disciplinary and sub-disciplinary areas,[12] it may also be used to provide direction for future systematic reviews.

Review Question: JBI suggests using the mnemonic PCC – Population, Concept and Context – to inform the research question as well as the inclusion criteria when conducting a scoping review.[13] For our review, the population is refugees, immigrants, and other newcomers, the concept is emotional wellness, and the context is settlement agencies. Therefore, our research question is as follows:

Which practices aimed at addressing the emotional wellness of refugees, immigrants and other newcomers are, or have been, offered by settlement agencies?

Inclusion Criteria

Population:

Newcomers, refugees, immigrants, and external migrants who have reached their final destination and who are involved with settlement agencies' services will be the focus of the review. The participant population includes individuals over 18 or families. Children, without a family unit or where services are offered within schools only, will be excluded.

Concept:

Our review will investigate the emotional wellness of newcomers settling in their final destination country. Studies, program descriptions, or interventions that focus on enhancing well-being or addressing well-being or barriers/gaps to well-being, will be included. Studies that involve conditions addressed and intervened upon by formal health service professionals such as those concerning psychiatric mental disorders will be excluded. Further, studies that focus on interventions for diagnosable conditions, communicable diseases, or other diseases and physical illnesses will be excluded. Studies that consider mental state but without Diagnostic and Statistical Manual (DSM-5) criteria will be included. Studies focused on participants' thinking around ethnicity, identity, identification, and ethnic identification will be excluded in the scoping review

Context:

The review focuses on newcomers in formal settlement agency contexts within their final destination country. As we are looking at the emotional wellness of refugees, immigrants, and other newcomers, we will include studies that deal with families (adults and their children) or adults within the context of formal settlement agencies and services provided by settlement agencies within the destination country. Community-based programs or research will be included because of the study’s interest on non-governmental assistance within Canadian communities aimed at the successful integration of newcomers. As the study examines service delivery, studies can be about an intervention or formalized program. School-based programs for children will be excluded. Services that assist clients in more transitory situations, without consideration for the long-term adjustment and integration of the client, will be excluded. Because of the study’s focus on service providers who aim to settle and integrate clients permanently into the local community, studies that consider participants whose place of settlement are refugee camps will not be included.

Types of Studies

All study designs, such as those that are descriptive, qualitative, case studies, or using mixed methods, will be included in the review. Further, we will include grey literature including dissertations, government reports, and settlement agency documents or program descriptions. Systematic reviews, and other knowledge synthesis research will be excluded, but the reference lists will be scanned for potentially relevant studies. Studies where participants settle in Europe, North America, or Australasia – regions that have comparable forms of governance, degree of economic development and cultural context to Canada – will be included. Studies where participants settle outside of these regions will be excluded. The search strategy will be limited to works published in either French or English. This review will consider studies that are in either English or French because the study is aimed at use in Canada for both English and French settlement services. There will be no date restrictions.

Search Strategy

The search strategy for data collection for the scoping review will be purposefully comprehensive and exhaustive. As recommended by JBI, our review follows a three-step search strategy.[13] The first step involved exploring the literature. The team met to discuss and brainstorm potential keywords for the three main concepts: newcomers, wellness, and settlement agencies. The team also identified seed articles. An initial search was conducted by an expert health sciences librarian in PsycINFO and Google Scholar with the identified keywords. The seed articles were also analyzed for keywords and subject headings. Second, the identified keywords and subject headings were then developed into a comprehensive search strategy, with continuous exploring of newly identified keywords through scanning the retrieved results. This was an iterative process, where new keywords and subject headings were added as discovered. This search strategy, in PsycINFO, was shared with the team, who provided feedback, and further revisions were undertaken. The PsycINFO search was also pilot tested to be sure that it captured the known seed articles. The provisional search strategy is available in Table 1. The PsycINFO search strategy will be adapted for each database, with keywords remaining constant across databases, and subject headings being responsive to the controlled vocabulary of the database. The final step will involve snowball searching. Specifically, both reference lists and works cited in included studies will be screened. Citations, references and bibliographies of

included studies will also be screened. It is the intent of the reviewers to contact the author of primary studies or reviews for further information as appropriate.

Preliminary simple searches, focusing on the main concepts (newcomers/immigrants/refugees, wellness/wellbeing, settlement) were conducted in numerous databases to identify those which would be most informative. Based on these preliminary searches, the search will be conducted in the following OVID databases: PsycINFO, Medline, and Embase. EbscoHost databases to be searched include the following: CINAHL Plus, Academic Search Premier, Anthropology Plus, Education Research Complete, ERIC, Family & Society Studies Worldwide, Family Studies Abstracts, and SocINDEX. Sociological abstracts will be searched on the ProQuest platform. Scopus will also be searched. Table 1 provides the provisional search strategy, for PsycINFO.

Table 1: Provisional Search Strategy

Database(s): PsycINFO 1806 to May Week 3 2019

Search Strategy:

#	Searches	Results
1	exp Immigration/	20977
2	exp MIGRANT FARM WORKERS/	423
3	exp refugees/	5409
4	exp Asylum Seeking/	464
5	(immigrant* or immigration).tw,id.	30349
6	(refugee* or foreign born* or asylum seek* or migrant* or illegal alien*).tw,id.	18807
7	(displaced adj2 (people* or person*)).tw,id.	595
8	(newcomer* or economic migrant* or economic immigrant*).tw,id.	2462
9	or/1-8	47298
10	exp Well Being/ or exp BELONGING/ or exp Social Integration/	47053
11	exp HAPPINESS/ or exp Social Capital/ or exp Sociocultural Factors/	125310
12	exp LIFE SATISFACTION/ or exp "Quality of Life"/ or exp Social Support/	81217
13	exp COPING BEHAVIOR/ or exp Mental Health/	106607
14	(social inclusion or well being or wellbeing or belonging*).tw,id.	104158
15	(acculturation or resettlement or settlement).tw,id.	15866
16	(satisfaction or happiness).tw,id.	116585
17	(social capital or integration or cultural capital or cultural code*).tw,id.	95530
18	("quality of life" or mental health or wellness or social support or coping).tw,id.	337843
19	or/10-18	699901
20	exp DISSATISFACTION/ or exp SADNESS/	3966
21	exp Loneliness/ or exp SOCIAL ISOLATION/	11153
22	exp SOCIAL STRESS/ or exp DISTRESS/	22893

23	exp Anxiety/ or exp FEAR/ or exp Disadvantaged/ or exp DISAPPOINTMENT/	90620
24	(dissatisfaction or dis-satisfaction or sadness).tw,id.	21615
25	(social adj3 (exclusion or isolation)).tw,id.	10760
26	(loneliness or lonely).tw,id.	10136
27	(distress* or stress*).tw,id.	303290
28	(anxious* or worrying* or fear* or afraid or frightened or nervous*).tw,id.	171714
29	(unsettled or disillusion* or disappoint*).tw,id.	8995
30	or/20-29	542376
31	19 or 30	1097619
32	(service adj2 provider*).tw,id.	10490
33	((English or French) adj2 (teacher* or instructor* or provider*)).tw,id.	1815
34	((ESL or FSL) adj2 (teacher* or instructor* or provider*)).tw,id.	315
35	(language adj2 (instruct* or learning or education*)).tw,id.	15510
36	(translator* or advocat* or helper* or volunteer*).tw,id.	72093
37	((settlement or resettlement or voluntary or community) adj2 worker*).tw,id.	1783
38	((refugee* or immigrant* or settlement* or resettlement*) adj2 (agenc* or worker* or agent* or service*)).tw,id.	969
39	community member*.tw,id.	5609
40	(not-for-profit or nonprofit).tw,id.	5255
41	(child mind* or babysit*).tw,id.	331
42	(child adj2 (minder* or minding or worker*)).tw,id.	1811
43	babysit*.tw,id.	224
44	exp NONPROFIT ORGANIZATIONS/	2264
45	exp VOLUNTEERS/	4519
46	exp Community Services/	31548
47	or/32-46	141652
48	9 and 31 and 47	2155
49	limit 48 to (english or french)	2060

All search results from the databases will be uploaded into Endnote 8. The results will be deduplicated, and the unique references will be exported to Covidence for title and abstract screening.

Study Selection

The retrieved studies will be screened in two phases, both of which will utilize Covidence to assist in the screening process. In Phase 1, two content experts will independently screen these studies by title and abstract, applying the inclusion/exclusion criteria to each record. Prior to

commencing screening, the content experts will pilot screen a sample of 100 records, applying the inclusion/exclusion criteria. The content experts will discuss their decisions, and revise or further define inclusion/exclusion criteria if required. Title and abstract screening may commence when an inter-rater agreement of 95% or greater has been established. Discrepancies in screening will be decided through consensus, or a third content expert will be consulted for discussion. Records that meet the inclusion criteria, or were inconclusive, will move to the second phase of screening, which involves full-text screening. Again, two content experts will independently apply the inclusion/exclusion criteria to the full text of each study. Disagreements will be determined through consensus, or discussion with a third content expert. Search results, screening results for both title/abstract, and full text screening will be reported in the PRISMA Flow Diagram as demonstrated in Figure 1.[14]

Figure 1: PRISMA Flow Diagram demonstrating the planned screening-to-extraction activities of the scoping review

After screening has been completed, reviewers will extract the data from each study utilizing JBI-SUMARI to create a consistent framework. This framework may be further refined at the reviewing stage and modified accordingly. Table 2 outlines the categories in which reviewers will extract data.

Table 2: Data Extraction Categories

Author(s)
Year of publication
Origin/Country of Origin (where the study was published or conducted)
Aims/purpose
Study population and Sample size (if applicable)
Methodology/Methods
Intervention type, comparator and details of these (e.g type of programming or service) (if applicable)
Duration of the intervention (if applicable)
Outcomes and details of these (e.g. how measures) (if applicable)
Key findings that relate to the scoping review question/s.

The methodology and results of the scoping review will be presented in accordance with the reporting guidelines outlined in the PRISMA Extension for Scoping Reviews (PRISMA-ScR) checklist.[15] Data will be analyzed using narrative synthesis, guided by Popay et al.'s (2006) approach. These researchers note that narrative synthesis is "an approach to the systematic review and synthesis of findings from multiple studies that relies primarily on the use of words and text to summarise and explain the findings of the synthesis".[16]

Patient and Public Involvement

This scoping review protocol was written without public involvement. The public was not asked to comment on the design of the scoping review, nor were they invited to contribute to the reading or writing of this document.

DISCUSSION

A wide scope of practices is employed by settlement agencies to address the emotional wellness of newly arrived immigrants and refugees. This scoping review will generate findings that will aid in identifying settlement agencies’ activities and programs that support agencies who undertake work with the emotional wellness of refugees, immigrants, and other newcomers as described in academic and grey literature.

This review will focus both on practices at ‘formal’ organizations as well as ‘informal’ organizations. ‘Formal’ organizations are typically not-for-profit settlement agencies that employ permanent staff and receive funding from various levels of government and other non-governmental funding agencies. ‘Informal’ organizations are driven primarily by volunteer staff and participants, regardless of their source of funding. While more ‘formal’ organizations typically have a higher degree of consistency and sustainability within their programs, volunteer-based community organizations can have varied programming due to their precarious funding and resources. This review will look at both types of organizations, which both hold significant value and contributions to newcomer communities, often in different ways.

While the area of mental health within this population has received a significant amount of research, little research attention has been paid to emotional wellness. This scoping review therefore focuses on ‘emotional wellness’ practices as opposed to those aimed at newcomer ‘mental health’. The reason for this is that often settlement agency staff do not have the professional resources to address clinical mental health issues that can often be present in their client population, particularly in those clients who come from conflict zones or have been forced to migrate to their new country. There is much established research, however, that suggests the value of preventative measures in mental health, [17, 18] including when addressing social isolation and cultural anxiety. It is often within this area that settlement agencies act, an examination of which can provide valuable insight into the integration process of many new immigrants.

The results of this review will offer comprehensive analysis of emotional wellness practices employed by settlement agencies. The findings generated will also be useful to policymakers, academics, researchers, and program implementers who work with refugees, immigrants, and other newcomers within resettlement organizations or in other similar capacities. These can provide a picture of which approaches used by agencies are more common and sustainable in particular contexts. It will also reveal which contexts agencies who operate emotional wellness supports in are more common. The ways in which funder reporting impacts service delivery and program design, for example, can reveal sector-wide patterns and practices that might be similar. These mirrored structures, in turn, can lead to specific outcomes in clients. Evidence generated through this review will offer a critical foundation from which primary prevention strategies, which directly impact the social and ecological determinants of health and emotional wellness, may be built.

For policymakers, practitioners, agencies, and other stakeholders, this scoping review can also help identify gaps in practices where needs remain inadequately addressed or examined. A comprehensive overview of practices examined in depth in the literature can serve as a point of reference for agencies who may only have their local experiences and contexts to draw from in determining interventions on emotional wellness and well-being issues. Agencies may also refer

to studies in the review to find future effects and impacts on interventions they may be considering in order to make more informed choices in terms of approach.

STRENGTHS AND LIMITATIONS

Results from this scoping review can identify and assess the wide scope of practices employed by settlement agencies to address the emotional wellness of new immigrants and refugees. A synthesis and analysis of these practices and approaches by the authors will also provide a comprehensive summary of the most successful of these practices as they are found in the established academic literature. However, this study will only include articles and reports published in English and French, and therefore works in other languages will not be reviewed for the purposes of this review. Additional strengths and limitations will be identified during the conduct of the scoping review itself.

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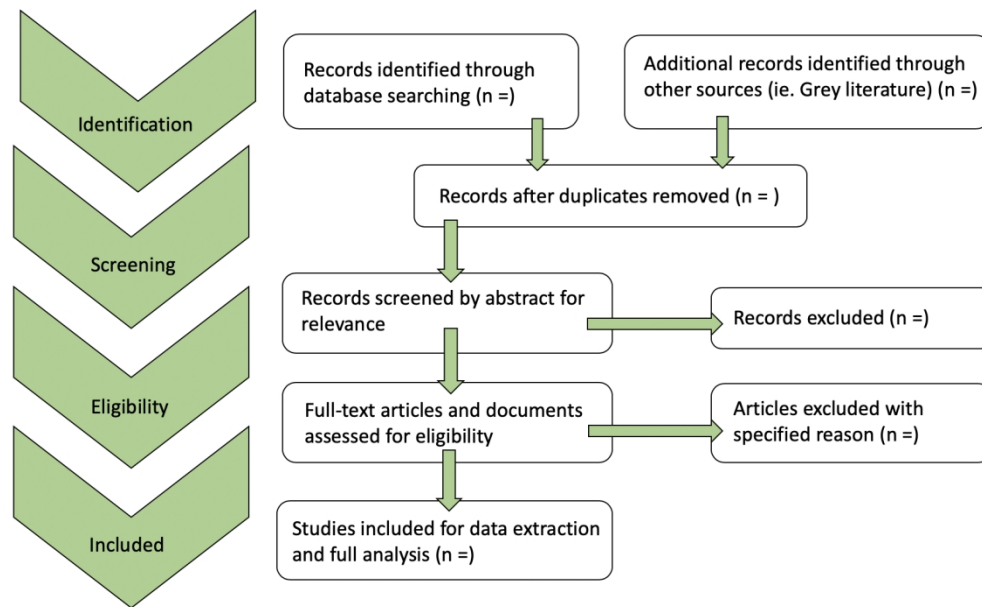


Figure 1: PRISMA Flow Diagram demonstrating the planned screening-to-extraction activities of the scoping review

Reporting checklist for protocol of a systematic review.

Based on the PRISMA-P guidelines.

Instructions to authors

Complete this checklist by entering the page numbers from your manuscript where readers will find each of the items listed below.

Your article may not currently address all the items on the checklist. Please modify your text to include the missing information. If you are certain that an item does not apply, please write "n/a" and provide a short explanation.

Upload your completed checklist as an extra file when you submit to a journal.

In your methods section, say that you used the PRISMA-Preorting guidelines, and cite them as:

Moher D, Shamseer L, Clarke M, Ghersi D, Liberati A, Petticrew M, Shekelle P, Stewart LA. Preferred Reporting Items for Systematic Review and Meta-Analysis Protocols (PRISMA-P) 2015 statement. Syst Rev. 2015;4(1):1.

Reporting Item			Page Number
Title			
Identification	#1a	Identify the report as a protocol of a systematic review	1
Update	#1b	If the protocol is for an update of a previous systematic review, identify as such	n/a
Registration			
	#2	If registered, provide the name of the registry (such as PROSPERO) and registration number	n/a
Authors			
Contact	#3a	Provide name, institutional affiliation, e-mail address of all protocol authors; provide physical mailing address of corresponding author	1
Contribution	#3b	Describe contributions of protocol authors and identify the guarantor of the review	2

Amendments

	#4	If the protocol represents an amendment of a previously completed or published protocol, identify as such and list changes; otherwise, state plan for documenting important protocol amendments	n/a
Support			
Sources	#5a	Indicate sources of financial or other support for the review	2
Sponsor	#5b	Provide name for the review funder and / or sponsor	2
Role of sponsor or funder	#5c	Describe roles of funder(s), sponsor(s), and / or institution(s), if any, in developing the protocol	2
Introduction			
Rationale	#6	Describe the rationale for the review in the context of what is already known	6
Objectives	#7	Provide an explicit statement of the question(s) the review will address with reference to participants, interventions, comparators, and outcomes (PICO)	7
Methods			
Eligibility criteria	#8	Specify the study characteristics (such as PICO, study design, setting, time frame) and report characteristics (such as years considered, language, publication status) to be used as criteria for eligibility for the review	8
Information sources	#9	Describe all intended information sources (such as electronic databases, contact with study authors, trial registers or other grey literature sources) with planned dates of coverage	8
Search strategy	#10	Present draft of search strategy to be used for at least one electronic database, including planned limits, such that it could be repeated	9
Study records - data management	#11a	Describe the mechanism(s) that will be used to manage records and data throughout the review	10
Study records - selection process	#11b	State the process that will be used for selecting studies (such as two independent reviewers) through each phase of the review (that is, screening, eligibility and inclusion in meta-analysis)	10
Study records - data collection process	#11c	Describe planned method of extracting data from reports (such as piloting forms, done independently, in duplicate), any processes for	11

1			obtaining and confirming data from investigators	
2				
3	Data items	#12	List and define all variables for which data will be sought (such as	n/a
4			PICO items, funding sources), any pre-planned data assumptions and	
5			simplifications	
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8	Outcomes and	#13	List and define all outcomes for which data will be sought, including	n/a
9	prioritization		prioritization of main and additional outcomes, with rationale	
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12	Risk of bias in	#14	Describe anticipated methods for assessing risk of bias of individual	n/a
13	individual studies		studies, including whether this will be done at the outcome or study	
14			level, or both; state how this information will be used in data synthesis	
15				
16				
17	Data synthesis	#15a	Describe criteria under which study data will be quantitatively	n/a
18			synthesised	
19				
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21	Data synthesis	#15b	If data are appropriate for quantitative synthesis, describe planned	n/a
22			summary measures, methods of handling data and methods of	
23			combining data from studies, including any planned exploration of	
24			consistency (such as I2, Kendall's τ)	
25				
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27	Data synthesis	#15c	Describe any proposed additional analyses (such as sensitivity or	12
28			subgroup analyses, meta-regression)	
29				
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31	Data synthesis	#15d	If quantitative synthesis is not appropriate, describe the type of	12
32			summary planned	
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35	Meta-bias(es)	#16	Specify any planned assessment of meta-bias(es) (such as publication	n/a
36			bias across studies, selective reporting within studies)	
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39	Confidence in	#17	Describe how the strength of the body of evidence will be assessed	n/a
40	cumulative		(such as GRADE)	
41	evidence			
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44	None The PRISMA-P checklist is distributed under the terms of the Creative Commons Attribution License			
45	CC-BY 4.0. This checklist can be completed online using https://www.goodreports.org/ , a tool made by the			
46	EQUATOR Network in collaboration with Penelope.ai			
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60	For peer review only - http://bmjopen.bmj.com/site/about/guidelines.xhtml			

BMJ Open

Activities and programs that support the emotional wellness of refugees, immigrants, and other newcomers within settlement agencies: A scoping review protocol

Journal:	<i>BMJ Open</i>
Manuscript ID	bmjopen-2019-033377.R1
Article Type:	Protocol
Date Submitted by the Author:	18-Nov-2019
Complete List of Authors:	Goopy, Suzanne; University of Calgary, Faculty of Nursing Suva, Cesar; Calgary Immigrant Educational Society; University of Calgary, Faculty of Nursing Hayden, K. Alix; University of Calgary, Libraries and Cultural Resources Silversides, Halley; University of Calgary, Faculty of Nursing Palova, Katerina; Calgary Immigrant Educational Society
Primary Subject Heading:	Health services research
Secondary Subject Heading:	Mental health, Nursing
Keywords:	emotional wellness, immigrants, scoping review

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TITLE

Activities and programs that support the emotional wellness of refugees, immigrants, and other newcomers within settlement agencies: A scoping review protocol

CORRESPONDING AUTHOR

Suzanne Goopy PhD RN
Adjunct Associate Professor,
Faculty of Nursing,
University of Calgary
Calgary, Alberta, Canada

Postal address:

10 Shandon Street,
Edinburgh, Midlothian EH11 1QH,
Scotland, UK

Email address:

sgoopy@ucalgary.ca

Telephone:

+44 (0)7490 741577

AUTHORS

Suzanne Goopy PhD RN
Adjunct Associate Professor,
Faculty of Nursing,
University of Calgary
Calgary, Alberta, Canada

Cesar Suva PhD
Director, Research and Program Development / Visiting Research Scholar
The Immigrant Education Society / Faculty of Nursing, University of Calgary
Calgary, Canada

K. Alix Hayden, MLIS MSc PhD
Senior Research Librarian
Libraries and Cultural Resources
University of Calgary

Halley Silversides, BA BN MLIS RN
Research Associate, Refugees and Newcomers Emotional Wellness (ReNEW) Project
Faculty of Nursing
University of Calgary

Katerina Palova, M.A.
Research & Program Development Supervisor
The Immigrant Education Society
Calgary, Canada

WORD COUNT: 2890

KEYWORDS: emotional wellness, immigrants, scoping review

AUTHOR CONTRIBUTIONS

SG conceptualized the review, was involved in drafting and editing the protocol paper, guided the development and refinement of the research question, revised the title, guided the development of inclusion/exclusion criteria, the establishment of the review objectives, final preparation of protocol for submission; KAH provided methodological guidance throughout the development of the protocol, wrote the data collection component, and developed the search strategy. HS was involved in drafting and editing the protocol paper, the development of inclusion/exclusion criteria, strengths and limitations, PRISMA chart, final edits and reference clean-ups, and proof reading ; CS and KP were involved in drafting and editing the protocol, reviewing of the background literature and giving contextualization to the study within the third sector, and involved in development of inclusion and exclusion criteria.

FUNDING STATEMENT

This work was supported by *Immigration, Refugees, Citizenship Canada* (IRCC) grant number X194857003

COMPETING INTERESTS STATEMENTS

This research was funded through a grant awarded by Immigration, Refugees, and Citizenship Canada (IRCC). The co-authors from The Immigrant Education Society (formerly the Calgary Immigrant Educational Society) are full time employees for this agency and IRCC is a major funder for their organization. They would like to acknowledge that The Immigrant Education Society also receives grants from other funding bodies, including municipal and provincial governments of Canada, in addition to private foundations.

DATA SHARING STATEMENT

The search strategy, list of included studies, and data extraction tables will be available in an online supplement. No additional data will be available.

KEYWORDS

Emotional wellness, Immigrants, Scoping review

For peer review only

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2

3 **ABSTRACT**

4

5 Obstacles to successful settlement – social isolation, language hardship, issues with

6 employment, housing questions, transportation, barriers to health, education and government

7 service access – all potentially play a role in emerging physical and mental health problems. The

8 objective of this scoping review is to map the available evidence in order to provide an overview

9 of the services and resources offered to refugees, immigrants and other newcomers by settlement

10 agencies to support emotional wellness and well-being.

11

12

13 **Methods and Analysis**

14

15 The protocol to be followed for this scoping review is based on the Joanna Briggs

16 Institute to provide a map of the current and emergent literature, and examine the extent, range,

17 and nature of the current and emergent literature. The scoping review will also identify the gaps

18 in research pertaining to the emotional wellness of refugees, immigrants, and other newcomers

19 as well as summarize and disseminate research findings. While it will be primarily used to

20 inform knowledge users by identifying gaps in the research knowledge base, clarifying key

21 concepts, and reporting on the types of evidence that address and inform the delivery of

22 integration services across a range of disciplinary and sub-disciplinary areas, it may also be used

23 to provide direction for future systematic reviews.

24

25

26 **Study Design**

27

28 This scoping review will be guided by the Joanna Briggs Institute’s Methodology for

29 Scoping Reviews, which provides a five-stage framework:

- 30 (1) Scoping review title, objective and question;
- 31 (2) Inclusion criteria;
- 32 (3) Search strategy;
- 33 (4) Extraction of the results, and
- 34 (5) Presentation of the results.
- 35

36 This five-stage framework informs our scoping review protocol, which is discussed at each

37 stage.

38

39

40 **Discussion**

41

42 We anticipate that this scoping review will identify gaps in research pertaining to the

43 emotional wellness of refugees, immigrants and other newcomers. The results of the review will

44 be the first comprehensive recent survey of emotional wellness practices employed by settlement

45 agencies.

46

47 **Ethics and dissemination**

48

49 Ethics is not required as the research will not involve human or animal subjects. The

50 research is a scoping review, and thus relies on published and grey literature studies and

51 documents.

52

53 **Keywords**

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55 Emotional wellness, Immigrants, Scoping review

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ARTICLE SUMMARY

Strengths and Limitations of this study

- Studies will only be reviewed if they are in English and/or French – there is the possibility that some relevant studies may be missed
- The team consists of content experts, methodological expert health sciences librarian, key stakeholders from the community
- Following rigorous JBI methodology and utilizing software (Covidence and JBI-SUMARI) for review
- Comprehensive data collection – searching multiple sources and will include grey literature

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INTRODUCTION

Research since the early twentieth century has revealed that immigrants can frequently experience mental health issues to a higher degree than local populations.[1, 2] Although such individuals might arrive in Canada with a lower average incidence of mental health issues compared to locals, these can increase due to the stress, insecurity, and precariousness that often accompanies the settlement process.[3] This is precipitated by the loss of long-established and diverse social and emotional ties that existed in newcomers' home countries but are absent at the settlement destination.[4] Rates of mental illness can be especially high amongst immigrants who are most vulnerable, such as seniors, women, and children. There can also be variation in experiences between cultural groups, depending on similarities with the host culture such as language and religion.[4] Obstacles to successful settlement – social isolation, language hardship, issues with employment, housing questions, transportation, barriers to health, education, government service access, and the overall experience of migrating to a new country – all potentially play a role in emerging physical and mental health problems.[3] Recent immigrants, for example, are more likely to suffer disproportionately with the cost of housing, and with its consequent impact on physical and emotional health.[5]

Vulnerable newcomers, such as refugees, undocumented immigrants, and asylum seekers, can be reticent to approach mainstream health and social services because of actual and imagined consequences. These imagined consequences can include impacts on their immigration status,[6] while actual ones may include financial liability.[7] Difficulties in expressing themselves in English, as well as hesitancy to share highly personal information with health professionals with whom they have no established relationship, can be nearly insurmountable barriers for many newcomers.[7] While the *Canada Health Act* recommends that approaches to service delivery include accommodation for cultural and linguistic diversity, there is still a high degree of inconsistency in the provision of these services that ensure access to newcomers of various backgrounds.[6]

Some studies have advocated the fostering of a heterogenous and diversified series of social connections for a more accommodating, culturally appropriate, and comprehensive provision of health and support services for immigrant populations.[8] The presence of a broad network of 'weak ties', some authors have argued, is in fact more viable in ensuring community health access for care-giving women, for example, than of strong ties in a more limited network.[9]

In a similar vein and for a host of other contextual reasons, settlement agencies in Canada have, in the past few years, developed services and programming that focus on the support of newcomer emotional health and wellness. However, these practices are diverse, limited, underdeveloped, often inconsistent, and sometimes redundant, which can have a detrimental effect on how newcomers engage, and ultimately benefit, from these services. A comprehensive examination of these practices over a wide range of contexts can inform researchers as well as practitioners about the most effective ways of ensuring the emotional wellness of the newcomers they serve.

METHODS AND ANALYSIS

This scoping review will be conducted in the following manner, adhering to the process/guidelines of the JBI scoping review methodology:

1. Research question identification
2. Identification of relevant studies
3. Selection of studies to be included
4. Extraction of relevant data from included studies
5. Summary, compilation and reporting of results
6. Sharing of results with stakeholders

Review title: Activities and programs that support the emotional wellness of refugees, immigrants, and other newcomers within settlement agencies: A scoping review protocol

Review Objective: The aim of the scoping review is to provide a map of the existing literature, and examine the extent, range, and nature of the current and emergent literature. This scoping review will also identify the gaps in research pertaining to the emotional wellness and well-being of refugees, immigrants, and other newcomers as well as summarize and disseminate research findings. It will also provide the basis for a summary of the most successful practices and initiatives employed to support newcomer emotional wellness available in the literature, as well as the parameters of their success. The discussion of these parameters will also identify barriers as well as facilitators to the success of this programming. While the scoping review will be primarily used to inform knowledge users by identifying gaps in the research knowledge base,[10] clarifying key concepts,[11] and reporting on the types of evidence that address and inform the delivery of integration services across a range of disciplinary and sub-disciplinary areas,[12] it may also be used to provide direction for future systematic reviews.

Review Question: JBI suggests using the mnemonic PCC – Population, Concept and Context – to inform the research question as well as the inclusion criteria when conducting a scoping review.[13] For our review, the population is refugees, immigrants, and other newcomers, the concept is emotional wellness and emotional well-being, and the context is settlement agencies. Therefore, our research question is as follows:

Which practices aimed at addressing the emotional wellness and well-being of refugees, immigrants and other newcomers are, or have been, offered by settlement agencies?

Inclusion Criteria

Population:

Newcomers, refugees, immigrants who have reached their final destination and who are involved with ‘formal’ settlement agencies’ services will be the focus of the review. Undocumented and illegal immigrants served at more ‘informal’ community associations and organizations will also be included. This review will focus both on practices at ‘formal’ organizations as well as ‘informal’ organizations. ‘Formal’ organizations are typically not-for-profit settlement agencies that employ permanent staff and receive funding from various levels of government and other non-governmental funding agencies. ‘Informal’ organizations are driven primarily by volunteer staff and participants, regardless of their source of funding. While more ‘formal’ organizations typically have a higher degree of consistency and sustainability within their programs, volunteer-based community organizations can have varied programming due to their precarious funding and resources. This review will look at both types of organizations, which both hold significant value and contributions to newcomer communities, often in different ways. The participant

population includes individuals over 18 or families. Children, without a family unit or where services are offered within schools only, will be excluded.

Concept:

Our review will investigate the emotional wellness and well-being of newcomers settling in their final destination country. Studies, program descriptions, or interventions that focus on enhancing well-being or addressing well-being or barriers/gaps to well-being, will be included. Studies that involve conditions addressed and intervened upon by formal health service professionals such as those concerning psychiatric mental disorders will be excluded. Further, studies that focus on interventions for diagnosable conditions, communicable diseases, or other diseases and physical illnesses will be excluded. Studies that consider mental state but without Diagnostic and Statistical Manual (DSM-5) criteria will be included. Studies focused on participants’ thinking around ethnicity, identity, identification, and ethnic identification will be excluded in the scoping review

Context:

The review focuses on newcomers in formal settlement agency contexts within their final destination country. As we are looking at the emotional wellness and well-being of refugees, immigrants, and other newcomers, we will include studies that deal with families (adults and their children) or adults within the context of formal settlement agencies and services provided by settlement agencies within the destination country. Community-based programs or research will be included because of the study’s interest on non-governmental assistance within Canadian communities aimed at the successful integration of newcomers. As the study examines service delivery, studies can be about an intervention or formalized program. School-based programs for children will be excluded. Services that assist clients in more transitory situations, without consideration for the long-term adjustment and integration of the client, will be excluded. Because of the study’s focus on service providers who aim to settle and integrate clients permanently into the local community, studies that consider participants whose place of settlement are refugee camps will not be included.

Types of Studies

All study designs, such as those that are descriptive, qualitative, quantitative, case studies, surveys or using mixed methods, will be included in the review. Further, we will include grey literature including dissertations, government reports, and settlement agency documents or program descriptions. Systematic reviews, and other knowledge synthesis research will be excluded, but the reference lists will be scanned for potentially relevant studies. Studies where participants settle in Europe, North America, or Australasia – regions that have comparable forms of governance, degree of economic development and cultural context to Canada – will be included. Studies where participants settle outside of these regions will be excluded. The search strategy will be limited to works published in either French or English. This review will consider studies that are in either English or French because the study is aimed at use in Canada for both English and French settlement services. There will be no date restrictions.

Search Strategy

The search strategy for data collection for the scoping review will be purposefully comprehensive and exhaustive. As recommended by JBI, our review follows a three-step search

strategy.[13] The first step involved exploring the literature. The team met to discuss and brainstorm potential keywords for the three main concepts: newcomers, wellness, and settlement agencies. The team also identified seed articles. An initial search was conducted by an expert health sciences librarian in PsycINFO and Google Scholar with the identified keywords. The seed articles were also analyzed for keywords and subject headings. Second, the identified keywords and subject headings were then developed into a comprehensive search strategy, with continuous exploring of newly identified keywords through scanning the retrieved results. This was an iterative process, where new keywords and subject headings were added as discovered. This search strategy, in PsycINFO, was shared with the team, who provided feedback, and further revisions were undertaken. The PsycINFO search was also pilot tested to be sure that it captured the known seed articles. The provisional search strategy is available in Table 1. The PsycINFO search strategy will be adapted for each database, with keywords remaining constant across databases, and subject headings being responsive to the controlled vocabulary of the database. The final step will involve snowball searching. Specifically, both reference lists and works cited in included studies will be screened. Citations, references and bibliographies of included studies will also be screened. It is the intent of the reviewers to contact the author of primary studies or reviews for further information as appropriate.

Preliminary simple searches, focusing on the main concepts (newcomers/immigrants/refugees, wellness/wellbeing, settlement) were conducted in numerous databases to identify those which would be most informative. Based on these preliminary searches, the search will be conducted in the following OVID databases: PsycINFO, Medline, and Embase. EbscoHost databases to be searched include the following: CINAHL Plus, Academic Search Premier, Anthropology Plus, Education Research Complete, ERIC, Family & Society Studies Worldwide, Family Studies Abstracts, and SocINDEX. Sociological abstracts will be searched on the ProQuest platform. Scopus will also be searched. Table 1 provides the provisional search strategy, for PsycINFO.

Table 1: Provisional Search Strategy

Database(s): PsycINFO 1806 to May Week 3 2019

Search Strategy:

#	Searches	Results
1	exp Immigration/	20977
2	exp MIGRANT FARM WORKERS/	423
3	exp refugees/	5409
4	exp Asylum Seeking/	464
5	(immigrant* or immigration).tw,id.	30349
6	(refugee* or foreign born* or asylum seek* or migrant* or illegal alien*).tw,id.	18807
7	(displaced adj2 (people* or person*)).tw,id.	595
8	(newcomer* or economic migrant* or economic immigrant*).tw,id.	2462
9	or/1-8	47298
10	exp Well Being/ or exp BELONGING/ or exp Social Integration/	47053

11	exp HAPPINESS/ or exp Social Capital/ or exp Sociocultural Factors/	125310
12	exp LIFE SATISFACTION/ or exp "Quality of Life"/ or exp Social Support/	81217
13	exp COPING BEHAVIOR/ or exp Mental Health/	106607
14	(social inclusion or well being or wellbeing or belonging*).tw,id.	104158
15	(acculturation or resettlement or settlement).tw,id.	15866
16	(satisfaction or happiness).tw,id.	116585
17	(social capital or integration or cultural capital or cultural code*).tw,id.	95530
18	("quality of life" or mental health or wellness or social support or coping).tw,id.	337843
19	or/10-18	699901
20	exp DISSATISFACTION/ or exp SADNESS/	3966
21	exp Loneliness/ or exp SOCIAL ISOLATION/	11153
22	exp SOCIAL STRESS/ or exp DISTRESS/	22893
23	exp Anxiety/ or exp FEAR/ or exp Disadvantaged/ or exp DISAPPOINTMENT/	90620
24	(dissatisfaction or dis-satisfaction or sadness).tw,id.	21615
25	(social adj3 (exclusion or isolation)).tw,id.	10760
26	(loneliness or lonely).tw,id.	10136
27	(distress* or stress*).tw,id.	303290
28	(anxious* or worrying* or fear* or afraid or frightened or nervous*).tw,id.	171714
29	(unsettled or disillusion* or disappoint*).tw,id.	8995
30	or/20-29	542376
31	19 or 30	1097619
32	(service adj2 provider*).tw,id.	10490
33	((English or French) adj2 (teacher* or instructor* or provider*)).tw,id.	1815
34	((ESL or FSL) adj2 (teacher* or instructor* or provider*)).tw,id.	315
35	(language adj2 (instruct* or learning or education*)).tw,id.	15510
36	(translator* or <u>advocat</u> * or helper* or volunteer*).tw,id.	72093
37	((settlement or resettlement or voluntary or community) adj2 worker*).tw,id.	1783
38	((refugee* or immigrant* or settlement* or resettlement*) adj2 (agenc* or worker* or agent* or service*)).tw,id.	969
39	community member*.tw,id.	5609
40	(not-for-profit or nonprofit).tw,id.	5255
41	(child mind* or babysit*).tw,id.	331
42	(child adj2 (minder* or minding or worker*)).tw,id.	1811
43	babysit*.tw,id.	224
44	exp NONPROFIT ORGANIZATIONS/	2264
45	exp VOLUNTEERS/	4519

46	exp Community Services/	31548
47	or/32-46	141652
48	9 and 31 and 47	2155
49	limit 48 to (english or french)	2060

All search results from the databases will be uploaded into Endnote 8. The results will be deduplicated, and the unique references will be exported to Covidence for title and abstract screening.

Study Selection

The retrieved studies will be screened in two phases, both of which will utilize Covidence to assist in the screening process. In Phase 1, two content experts (CS and HS) will independently screen these studies by title and abstract, applying the inclusion/exclusion criteria to each record. Prior to commencing screening, the content experts will pilot screen a sample of 100 records, applying the inclusion/exclusion criteria. The content experts will discuss their decisions, and revise or further define inclusion/exclusion criteria if required. Title and abstract screening may commence when an inter-rater agreement of 95% or greater has been established. Discrepancies in screening will be decided through consensus, or a third content expert (SG) will be consulted for discussion. Records that meet the inclusion criteria, or were inconclusive, will move to the second phase of screening, which involves full-text screening. Again, two content experts (KP and SG) will independently apply the inclusion/exclusion criteria to the full text of each study. Disagreements will be determined through consensus, or discussion with a third content expert (HS or CS). Search results, screening results for both title/abstract, and full text screening will be reported in the PRISMA Flow Diagram as demonstrated in Figure 1.[14]

Figure 1: PRISMA Flow Diagram demonstrating the planned screening-to-extraction activities of the scoping review

After screening has been completed, reviewers will extract the data from each study utilizing JBI-SUMARI to create a consistent framework. This framework may be further refined at the reviewing stage and modified accordingly. Table 2 outlines the categories in which reviewers will extract data.

Table 2: Data Extraction Categories

Author(s)
Year of publication
Origin/Country of Origin (where the study was published or conducted)
Aims/purpose
Study population and Sample size (if applicable)

Methodology/Methods
Intervention type, comparator and details of these (e.g. type of programming or service) (if applicable)
Duration of the intervention (if applicable)
Outcomes and details of these (e.g. how measures) (if applicable)
Key findings that relate to the scoping review question/s.

The methodology and results of the scoping review will be presented in accordance with the reporting guidelines outlined in the PRISMA Extension for Scoping Reviews (PRISMA-ScR) checklist.[15] Data will be analyzed using narrative synthesis, guided by Popay et al.’s (2006) approach. These researchers note that narrative synthesis is “an approach to the systematic review and synthesis of findings from multiple studies that relies primarily on the use of words and text to summarise and explain the findings of the synthesis”.[16]

Patient and Public Involvement

This scoping review protocol was written without public involvement. The public was not asked to comment on the design of the scoping review, nor were they invited to contribute to the reading or writing of this document.

DISCUSSION

A wide scope of practices is employed by settlement agencies to address the emotional wellness of newly arrived immigrants and refugees. This scoping review will generate findings that will aid in identifying settlement agencies’ activities and programs that support agencies who undertake work with the emotional wellness of refugees, immigrants, and other newcomers as described in academic and grey literature.

While the area of mental health within this population has received a significant amount of research, little research attention has been paid to emotional wellness. This scoping review therefore focuses on ‘emotional wellness’ practices as opposed to those aimed at newcomer ‘mental health’. The reason for this is that often settlement agency staff do not have the professional resources to address clinical mental health issues that can often be present in their client population, particularly in those clients who come from conflict zones or have been forced to migrate to their new country. There is much established research, however, that suggests the value of preventative measures in mental health, [17, 18] including when addressing social isolation and cultural anxiety. It is often within this area that settlement agencies act, an examination of which can provide valuable insight into the integration process of many new immigrants.

The results of this scoping review will offer comprehensive analysis of emotional wellness practices employed by settlement agencies. The findings generated will also be useful to policymakers, academics, researchers, and program implementers who work with refugees, immigrants, and other newcomers within resettlement organizations or in other similar capacities. These can provide a picture of which approaches used by agencies are more common and sustainable in particular contexts. It will also reveal which contexts agencies who operate emotional wellness supports in are more common. The ways in which funder reporting impacts service delivery and program design, for example, can reveal sector-wide patterns and practices that might be similar. These mirrored structures, in turn, can lead to specific outcomes in clients. Evidence generated through this review will offer a critical foundation from which primary

prevention strategies, which directly impact the social and ecological determinants of health and emotional wellness, may be built.

For policymakers, practitioners, agencies, and other stakeholders, this scoping review can also help identify gaps in practices where needs remain inadequately addressed or examined. A comprehensive overview of practices examined in depth in the literature can serve as a point of reference for agencies who may only have their local experiences and contexts to draw from in determining interventions on emotional wellness and well-being issues. Agencies may also refer to studies in the review to find future effects and impacts on interventions they may be considering in order to make more informed choices in terms of approach. It is acknowledged by the authors that this audience does not typically access academic literature. As such study results will be disseminated in briefings, presentations at industry-oriented (as opposed to primarily academic) conferences. The involvement of the two authors of this review whose affiliation lies with a settlement agency, facilitates access to this audience of stakeholders.

STRENGTHS AND LIMITATIONS

Results from this scoping review can identify and assess the wide scope of practices employed by settlement agencies to address the emotional wellness of new immigrants and refugees. These practices and programming may, however, not be documented completely and extensively in published academic literature, but rather are available in grey literature that include government reports and project results summaries held at the agency, funder or community level. As access to these documents may be challenging, the researchers acknowledge that this may be a limitation to the study.

A synthesis and analysis of these practices and approaches by the authors will also provide a comprehensive summary of the most successful of these practices as they are found in the established academic literature. However, this study will only include articles and reports published in English and French, and therefore works in other languages will not be reviewed for the purposes of this review. Additional strengths and limitations will be identified during the conduct of the scoping review itself.

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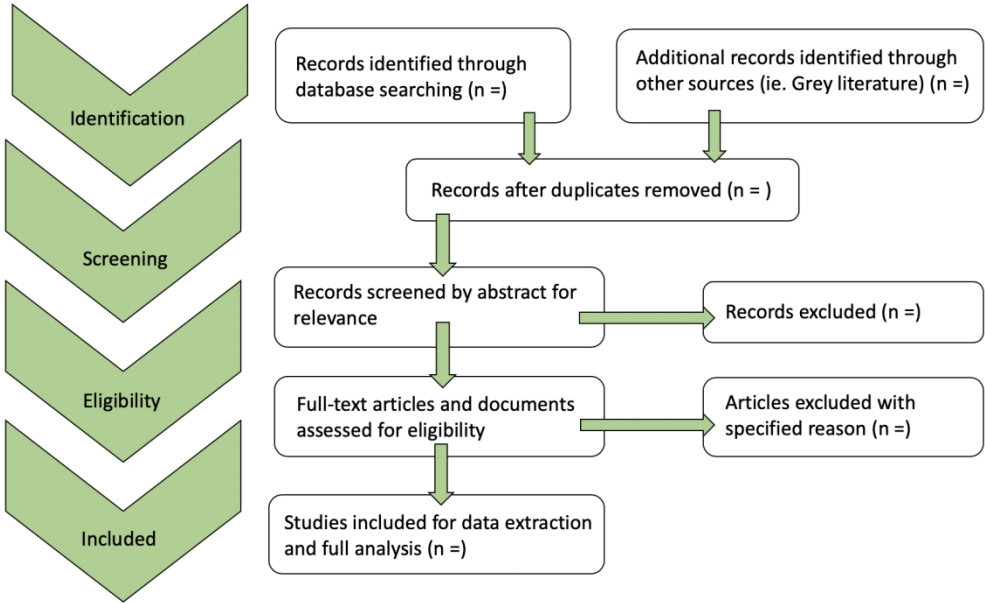


Figure 1: PRISMA Flow Diagram demonstrating the planned screening-to-extraction activities of the scoping review

Reporting checklist for protocol of a systematic review.

Based on the PRISMA-P guidelines.

Instructions to authors

Complete this checklist by entering the page numbers from your manuscript where readers will find each of the items listed below.

Your article may not currently address all the items on the checklist. Please modify your text to include the missing information. If you are certain that an item does not apply, please write "n/a" and provide a short explanation.

Upload your completed checklist as an extra file when you submit to a journal.

In your methods section, say that you used the PRISMA-Preorting guidelines, and cite them as:

Moher D, Shamseer L, Clarke M, Ghersi D, Liberati A, Petticrew M, Shekelle P, Stewart LA. Preferred Reporting Items for Systematic Review and Meta-Analysis Protocols (PRISMA-P) 2015 statement. Syst Rev. 2015;4(1):1.

Reporting Item			Page Number
Title			
Identification	#1a	Identify the report as a protocol of a systematic review	1
Update	#1b	If the protocol is for an update of a previous systematic review, identify as such	n/a
Registration			
	#2	If registered, provide the name of the registry (such as PROSPERO) and registration number	n/a
Authors			
Contact	#3a	Provide name, institutional affiliation, e-mail address of all protocol authors; provide physical mailing address of corresponding author	1
Contribution	#3b	Describe contributions of protocol authors and identify the guarantor of the review	2

Amendments

	#4	If the protocol represents an amendment of a previously completed or published protocol, identify as such and list changes; otherwise, state plan for documenting important protocol amendments	n/a
Support			
Sources	#5a	Indicate sources of financial or other support for the review	2
Sponsor	#5b	Provide name for the review funder and / or sponsor	2
Role of sponsor or funder	#5c	Describe roles of funder(s), sponsor(s), and / or institution(s), if any, in developing the protocol	2
Introduction			
Rationale	#6	Describe the rationale for the review in the context of what is already known	6
Objectives	#7	Provide an explicit statement of the question(s) the review will address with reference to participants, interventions, comparators, and outcomes (PICO)	7
Methods			
Eligibility criteria	#8	Specify the study characteristics (such as PICO, study design, setting, time frame) and report characteristics (such as years considered, language, publication status) to be used as criteria for eligibility for the review	8
Information sources	#9	Describe all intended information sources (such as electronic databases, contact with study authors, trial registers or other grey literature sources) with planned dates of coverage	8
Search strategy	#10	Present draft of search strategy to be used for at least one electronic database, including planned limits, such that it could be repeated	9
Study records - data management	#11a	Describe the mechanism(s) that will be used to manage records and data throughout the review	10
Study records - selection process	#11b	State the process that will be used for selecting studies (such as two independent reviewers) through each phase of the review (that is, screening, eligibility and inclusion in meta-analysis)	10
Study records - data collection process	#11c	Describe planned method of extracting data from reports (such as piloting forms, done independently, in duplicate), any processes for	11

		obtaining and confirming data from investigators	
Data items	#12	List and define all variables for which data will be sought (such as PICO items, funding sources), any pre-planned data assumptions and simplifications	n/a
Outcomes and prioritization	#13	List and define all outcomes for which data will be sought, including prioritization of main and additional outcomes, with rationale	n/a
Risk of bias in individual studies	#14	Describe anticipated methods for assessing risk of bias of individual studies, including whether this will be done at the outcome or study level, or both; state how this information will be used in data synthesis	n/a
Data synthesis	#15a	Describe criteria under which study data will be quantitatively synthesised	n/a
Data synthesis	#15b	If data are appropriate for quantitative synthesis, describe planned summary measures, methods of handling data and methods of combining data from studies, including any planned exploration of consistency (such as I ² , Kendall's τ)	n/a
Data synthesis	#15c	Describe any proposed additional analyses (such as sensitivity or subgroup analyses, meta-regression)	12
Data synthesis	#15d	If quantitative synthesis is not appropriate, describe the type of summary planned	12
Meta-bias(es)	#16	Specify any planned assessment of meta-bias(es) (such as publication bias across studies, selective reporting within studies)	n/a
Confidence in cumulative evidence	#17	Describe how the strength of the body of evidence will be assessed (such as GRADE)	n/a

None The PRISMA-P checklist is distributed under the terms of the Creative Commons Attribution License CC-BY 4.0. This checklist can be completed online using <https://www.goodreports.org/>, a tool made by the EQUATOR Network in collaboration with [Penelope.ai](#)

BMJ Open

Activities and programs that support the emotional wellness and wellbeing of refugees, immigrants, and other newcomers within settlement agencies: A scoping review protocol

Journal:	<i>BMJ Open</i>
Manuscript ID	bmjopen-2019-033377.R2
Article Type:	Protocol
Date Submitted by the Author:	14-Apr-2020
Complete List of Authors:	Goopy, Suzanne; University of Calgary, Faculty of Nursing Suva, Cesar; Calgary Immigrant Educational Society; University of Calgary, Faculty of Nursing Hayden, K. Alix; University of Calgary, Libraries and Cultural Resources Silversides, Halley; University of Calgary, Faculty of Nursing Palova, Katerina; Calgary Immigrant Educational Society
Primary Subject Heading:	Health services research
Secondary Subject Heading:	Mental health, Nursing
Keywords:	emotional wellness, immigrants, scoping review

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TITLE

Activities and programs that support the emotional wellness and wellbeing of refugees, immigrants, and other newcomers within settlement agencies: A scoping review protocol

CORRESPONDING AUTHOR

Suzanne Goopy PhD RN
Adjunct Associate Professor,
Faculty of Nursing,
University of Calgary
Calgary, Alberta, Canada

Postal address:

10 Shandon Street,
Edinburgh, Midlothian EH11 1QH,
Scotland, UK

Email address:

sgoopy@ucalgary.ca

Telephone:

+44 (0)7490 741577

AUTHORS

Suzanne Goopy PhD RN
Adjunct Associate Professor,
Faculty of Nursing,
University of Calgary
Calgary, Alberta, Canada

Cesar Suva PhD
Director, Research and Program Development / Visiting Research Scholar
The Immigrant Education Society / Faculty of Nursing, University of Calgary
Calgary, Canada

K. Alix Hayden, MLIS MSc PhD
Senior Research Librarian
Libraries and Cultural Resources
University of Calgary

Halley Silversides, BA BN MLIS RN
Research Associate, Refugees and Newcomers Emotional Wellness (ReNEW) Project
Faculty of Nursing
University of Calgary

Katerina Palova, MA-A-
Research & Program Development Supervisor
The Immigrant Education Society
Calgary, Canada

WORD COUNT: ~~3002~~2890

KEYWORDS: emotional wellness, immigrants, scoping review

AUTHOR CONTRIBUTIONS

SG conceptualized the review, was involved in drafting and editing the protocol paper, guided the development and refinement of the research question, revised the title, guided the development of inclusion/exclusion criteria, the establishment of the review objectives, final preparation of protocol for submission; KAH provided methodological guidance throughout the development of the protocol, wrote the data collection component, and developed the search strategy. HS was involved in drafting and editing the protocol paper, the development of inclusion/exclusion criteria, strengths and limitations, PRISMA chart, final edits and reference clean-ups, and proof reading ; CS and KP were involved in drafting and editing the protocol, reviewing of the background literature and giving contextualization to the study within the third sector, and involved in development of inclusion and exclusion criteria.

FUNDING STATEMENT

This work was supported by *Immigration, Refugees, Citizenship Canada* (IRCC) grant number X194857003

COMPETING INTERESTS STATEMENTS

This research was funded through a grant awarded by Immigration, Refugees, and Citizenship Canada (IRCC). The co-authors from The Immigrant Education Society (formerly the Calgary Immigrant Educational Society) are full time employees for this agency and IRCC is a major funder for their organization. They would like to acknowledge that The Immigrant Education Society also receives grants from other funding bodies, including municipal and provincial governments of Canada, in addition to private foundations.

DATA SHARING STATEMENT

The search strategy, list of included studies, and data extraction tables will be available in an online supplement. No additional data will be available.

KEYWORDS

Emotional wellness, Immigrants, Scoping review

For peer review only

ABSTRACT

Introduction

Obstacles to successful settlement – social isolation, language hardship, issues with employment, housing questions, transportation, barriers to health, education and government service access – all potentially play a role in emerging physical and mental health problems. The objective of this scoping review is to map the available evidence in order to provide an overview of the services and resources offered to refugees, immigrants and other newcomers by settlement agencies to support emotional wellness and well-being.

Methods and Analysis

The protocol to be followed for this scoping review is based on the Joanna Briggs Institute to provide a map of the current and emergent literature, and examine the extent, range, and nature of the current and emergent literature. The proposed scoping review will also identify the gaps in research pertaining to the emotional wellness of refugees, immigrants, and other newcomers as well as summarize and disseminate research findings and provide direction for future reviews. Key databases for this scoping review include PsycINFO, Medline, Embase, CINAHL Plus, Academic Search Premier, and Education Research Complete. Planned article search dates for this scoping review are from August to September 2020.

Ethics and Dissemination

Ethics is not required as the research will not involve human or animal subjects. The research is a scoping review, and thus relies on published and grey literature studies and documents. The findings of this proposed scoping review will be disseminated through future publications as well as presentations to relevant stakeholders including immigrant serving agencies. We anticipate that this scoping review will identify gaps in research pertaining to the emotional wellness of refugees, immigrants and other newcomers. The results of this review will be the first comprehensive recent survey of emotional wellness practices employed by settlement agencies.

~~Obstacles to successful settlement – social isolation, language hardship, issues with employment, housing questions, transportation, barriers to health, education and government service access – all potentially play a role in emerging physical and mental health problems. The objective of this scoping review is to map the available evidence in order to provide an overview of the services and resources offered to refugees, immigrants and other newcomers by settlement agencies to support emotional wellness and well-being.~~

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Study Design

This scoping review will be guided by the Joanna Briggs Institute's Methodology for Scoping Reviews, which provides a five-stage framework:

- (1) Scoping review title, objective and question;
- (2) Inclusion criteria;
- (3) Search strategy;
- (4) Extraction of the results, and
- (5) Presentation of the results.

This five-stage framework informs our scoping review protocol, which is discussed at each stage.

Discussion

We anticipate that this scoping review will identify gaps in research pertaining to the emotional wellness of refugees, immigrants and other newcomers. The results of the review will be the first comprehensive recent survey of emotional wellness practices employed by settlement agencies.

Ethics and dissemination

Ethics is not required as the research will not involve human or animal subjects. The research is a scoping review, and thus relies on published and grey literature studies and documents.

Keywords

Emotional wellness, Immigrants, Scoping review

ARTICLE SUMMARY

Strengths and Limitations of this study

- Studies will only be reviewed if they are in English and/or French – there is the possibility that some relevant studies may be missed
- The team consists of content experts, methodological expert health sciences librarian, key stakeholders from the community
- Following rigorous JBI methodology and utilizing software (Covidence and JBI-SUMARI) for review
- Comprehensive data collection – searching multiple sources and will include grey literature

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INTRODUCTION

Research since the early twentieth century has revealed that immigrants can frequently experience mental health issues to a higher degree than local populations.[1, 2] Although such individuals might arrive in Canada with a lower average incidence of mental health issues compared to locals, these can increase due to the stress, insecurity, and precariousness that often accompanies the settlement process.[3] This is precipitated by the loss of long-established and diverse social and emotional ties that existed in newcomers' home countries but are absent at the settlement destination.[4] Rates of mental illness can be especially high amongst immigrants who are most vulnerable, such as seniors, women, and children. There can also be variation in experiences between cultural groups, depending on similarities with the host culture such as language and religion.[4] Obstacles to successful settlement – social isolation, language hardship, issues with employment, housing questions, transportation, barriers to health, education, government service access, and the overall experience of migrating to a new country – all potentially play a role in emerging physical and mental health problems.[3] Recent immigrants, for example, are more likely to suffer disproportionately with the cost of housing, and with its consequent impact on physical and emotional health.[5]

Vulnerable newcomers, such as refugees, undocumented immigrants, and asylum seekers, can be reticent to approach mainstream health and social services because of actual and imagined consequences. These imagined consequences can include impacts on their immigration status,[6] while actual ones may include financial liability.[7] Difficulties in expressing themselves in English, as well as hesitancy to share highly personal information with health professionals with whom they have no established relationship, can be nearly insurmountable barriers for many newcomers.[7] While the *Canada Health Act* recommends that approaches to service delivery include accommodation for cultural and linguistic diversity, there is still a high degree of inconsistency in the provision of these services that ensure access to newcomers of various backgrounds.[6]

Some studies have advocated the fostering of a heterogenous and diversified series of social connections for a more accommodating, culturally appropriate, and comprehensive provision of health and support services for immigrant populations.[8] The presence of a broad network of 'weak ties', some authors have argued, is in fact more viable in ensuring community health access for care-giving women, for example, than of strong ties in a more limited network.[9]

In a similar vein and for a host of other contextual reasons, settlement agencies in Canada have, in the past few years, developed services and programming that focus on the support of newcomer emotional health and wellness. However, these practices are diverse, limited, underdeveloped, often inconsistent, and sometimes redundant, which can have a detrimental effect on how newcomers engage, and ultimately benefit, from these services. A comprehensive examination of these practices over a wide range of contexts can inform researchers as well as practitioners about the most effective ways of ensuring the emotional wellness of the newcomers they serve.

METHODS AND ANALYSIS

This **proposed** scoping review will be conducted in the following manner, adhering to the process/guidelines of the JBI scoping review methodology:

1. Research question identification
2. Identification of relevant studies
3. Selection of studies to be included
4. Extraction of relevant data from included studies
5. Summary, compilation and reporting of results
6. Sharing of results with stakeholders

Review title: Activities and programs that support the emotional wellness of refugees, immigrants, and other newcomers within settlement agencies: A scoping review protocol

Review Objective: The aim of this proposed e-scoping review is to provide a map of the existing literature, and examine the extent, range, and nature of the current and emergent literature. This scoping review will also identify the gaps in research pertaining to the emotional wellness and well-being of refugees, immigrants, and other newcomers as well as summarize and disseminate research findings. It will also provide the basis for a summary of the most successful practices and initiatives employed to support newcomer emotional wellness available in the literature, as well as the parameters of their success. The discussion of these parameters will also identify barriers as well as facilitators to the success of this programming. While the scoping review will be primarily used to inform knowledge users by identifying gaps in the research knowledge base,[10] clarifying key concepts,[11] and reporting on the types of evidence that address and inform the delivery of integration services across a range of disciplinary and sub-disciplinary areas,[12] it may also be used to provide direction for future systematic reviews.

Review Question: JBI suggests using the mnemonic PCC – Population, Concept and Context – to inform the research question as well as the inclusion criteria when conducting a scoping review.[13] For our review, the population is refugees, immigrants, and other newcomers, the concept is emotional wellness and emotional well-being, and the context is settlement agencies. Therefore, our research question is as follows:

Which practices aimed at addressing the emotional wellness and well-being of refugees, immigrants and other newcomers are, or have been, offered by settlement agencies?

Inclusion Criteria

Population:

Newcomers, refugees, immigrants who have reached their final destination and who are involved with ‘formal’ settlement agencies’ services will be the focus of the review. Undocumented and illegal immigrants served at more ‘informal’ community associations and organizations will also be included. This review will focus both on practices at ‘formal’ organizations as well as ‘informal’ organizations. ‘Formal’ organizations are typically not-for-profit settlement agencies that employ permanent staff and receive funding from various levels of government and other non-governmental funding agencies. ‘Informal’ organizations are driven primarily by volunteer staff and participants, regardless of their source of funding. While more ‘formal’ organizations typically have a higher degree of consistency and sustainability within their programs, volunteer-based community organizations can have varied programming due to their precarious funding and resources. This review will look at both types of organizations, which both hold significant value and contributions to newcomer communities, often in different ways. The participant

population includes individuals over 18 or families. Children, without a family unit or where services are offered within schools only, will be excluded.

Concept:

Our review will investigate the emotional wellness and well-being of newcomers settling in their final destination country. Studies, program descriptions, or interventions that focus on enhancing well-being or addressing well-being or barriers/gaps to well-being, will be included. Studies that involve conditions addressed and intervened upon by formal health service professionals such as those concerning psychiatric mental disorders will be excluded. Further, studies that focus on interventions for diagnosable conditions, communicable diseases, or other diseases and physical illnesses will be excluded. Studies that consider mental state but without Diagnostic and Statistical Manual (DSM-5) criteria will be included. Studies focused on participants’ thinking around ethnicity, identity, identification, and ethnic identification will be excluded in the scoping review

Context:

The review focuses on newcomers in formal settlement agency contexts within their final destination country. As we are looking at the emotional wellness and well-being of refugees, immigrants, and other newcomers, we will include studies that deal with families (adults and their children) or adults within the context of formal settlement agencies and services provided by settlement agencies within the destination country. Community-based programs or research will be included because of the study’s interest on non-governmental assistance within Canadian communities aimed at the successful integration of newcomers. As the study examines service delivery, studies can be about an intervention or formalized program. School-based programs for children will be excluded. Services that assist clients in more transitory situations, without consideration for the long-term adjustment and integration of the client, will be excluded. Because of the study’s focus on service providers who aim to settle and integrate clients permanently into the local community, studies that consider participants whose place of settlement are refugee camps will not be included.

Types of Studies

All study designs, such as those that are descriptive, qualitative, quantitative, case studies, surveys or using mixed methods, will be included in the review. Further, we will include grey literature including dissertations, government reports, and settlement agency documents or program descriptions. Systematic reviews, and other knowledge synthesis research will be excluded, but the reference lists will be scanned for potentially relevant studies. Studies where participants settle in Europe, North America, or Australasia – regions that have comparable forms of governance, degree of economic development and cultural context to Canada – will be included. Studies where participants settle outside of these regions will be excluded. The search strategy will be limited to works published in either French or English. This review will consider studies that are in either English or French because the study is aimed at use in Canada for both English and French settlement services. There will be no date restrictions.

Search Strategy

The search strategy for data collection for the scoping review will be purposefully comprehensive and exhaustive. As recommended by JBI, our review follows a three-step search

strategy.[13] The first step involved exploring the literature. The team met to discuss and brainstorm potential keywords for the three main concepts: newcomers, wellness, and settlement agencies. The team also identified seed articles. An initial search was conducted by an expert health sciences librarian in PsycINFO and Google Scholar with the identified keywords. The seed articles were also analyzed for keywords and subject headings. Second, the identified keywords and subject headings were then developed into a comprehensive search strategy, with continuous exploring of newly identified keywords through scanning the retrieved results. This was an iterative process, where new keywords and subject headings were added as discovered. This search strategy, in PsycINFO, was shared with the team, who provided feedback, and further revisions were undertaken. The PsycINFO search was also pilot tested to be sure that it captured the known seed articles. The provisional search strategy is available in Table 1. The PsycINFO search strategy will be adapted for each database, with keywords remaining constant across databases, and subject headings being responsive to the controlled vocabulary of the database. The final step will involve snowball searching. Specifically, both reference lists and works cited in included studies will be screened. Citations, references and bibliographies of included studies will also be screened. It is the intent of the reviewers to contact the author of primary studies or reviews for further information as appropriate.

Preliminary simple searches, focusing on the main concepts (newcomers/immigrants/refugees, wellness/wellbeing, settlement) were conducted in numerous databases to identify those which would be most informative. Based on these preliminary searches, the search will be conducted in the following OVID databases: PsycINFO, Medline, and Embase. EbscoHost databases to be searched include the following: CINAHL Plus, Academic Search Premier, Anthropology Plus, Education Research Complete, ERIC, Family & Society Studies Worldwide, Family Studies Abstracts, and SocINDEX. Sociological abstracts will be searched on the ProQuest platform. Scopus will also be searched. Table 1 provides the provisional search strategy, for PsycINFO.

Table 1: Provisional Search Strategy

Database(s): PsycINFO 1806 to May Week 3 2019

Search Strategy:

#	Searches	Results
1	exp Immigration/	20977
2	exp MIGRANT FARM WORKERS/	423
3	exp refugees/	5409
4	exp Asylum Seeking/	464
5	(immigrant* or immigration).tw,id.	30349
6	(refugee* or foreign born* or asylum seek* or migrant* or illegal alien*).tw,id.	18807
7	(displaced adj2 (people* or person*)).tw,id.	595
8	(newcomer* or economic migrant* or economic immigrant*).tw,id.	2462
9	or/1-8	47298
10	exp Well Being/ or exp BELONGING/ or exp Social Integration/	47053

11	exp HAPPINESS/ or exp Social Capital/ or exp Sociocultural Factors/	125310
12	exp LIFE SATISFACTION/ or exp "Quality of Life"/ or exp Social Support/	81217
13	exp COPING BEHAVIOR/ or exp Mental Health/	106607
14	(social inclusion or well being or wellbeing or belonging*).tw,id.	104158
15	(acculturation or resettlement or settlement).tw,id.	15866
16	(satisfaction or happiness).tw,id.	116585
17	(social capital or integration or cultural capital or cultural code*).tw,id.	95530
18	("quality of life" or mental health or wellness or social support or coping).tw,id.	337843
19	or/10-18	699901
20	exp DISSATISFACTION/ or exp SADNESS/	3966
21	exp Loneliness/ or exp SOCIAL ISOLATION/	11153
22	exp SOCIAL STRESS/ or exp DISTRESS/	22893
23	exp Anxiety/ or exp FEAR/ or exp Disadvantaged/ or exp DISAPPOINTMENT/	90620
24	(dissatisfaction or dis-satisfaction or sadness).tw,id.	21615
25	(social adj3 (exclusion or isolation)).tw,id.	10760
26	(loneliness or lonely).tw,id.	10136
27	(distress* or stress*).tw,id.	303290
28	(anxious* or worrying* or fear* or afraid or frightened or nervous*).tw,id.	171714
29	(unsettled or disillusion* or disappoint*).tw,id.	8995
30	or/20-29	542376
31	19 or 30	1097619
32	(service adj2 provider*).tw,id.	10490
33	((English or French) adj2 (teacher* or instructor* or provider*)).tw,id.	1815
34	((ESL or FSL) adj2 (teacher* or instructor* or provider*)).tw,id.	315
35	(language adj2 (instruct* or learning or education*)).tw,id.	15510
36	(translator* or advocat* or helper* or volunteer*).tw,id.	72093
37	((settlement or resettlement or voluntary or community) adj2 worker*).tw,id.	1783
38	((refugee* or immigrant* or settlement* or resettlement*) adj2 (agenc* or worker* or agent* or service*)).tw,id.	969
39	community member*.tw,id.	5609
40	(not-for-profit or nonprofit).tw,id.	5255
41	(child mind* or babysit*).tw,id.	331
42	(child adj2 (minder* or minding or worker*)).tw,id.	1811
43	babysit*.tw,id.	224
44	exp NONPROFIT ORGANIZATIONS/	2264
45	exp VOLUNTEERS/	4519

46	exp Community Services/	31548
47	or/32-46	141652
48	9 and 31 and 47	2155
49	limit 48 to (english or french)	2060

All search results from the databases will be uploaded into Endnote 8. The results will be deduplicated, and the unique references will be exported to Covidence for title and abstract screening.

Study Selection

The retrieved studies will be screened in two phases, both of which will utilize Covidence to assist in the screening process. In Phase 1, two content experts (CS and HS) will independently screen these studies by title and abstract, applying the inclusion/exclusion criteria to each record. Prior to commencing screening, the content experts will pilot screen a sample of 100 records, applying the inclusion/exclusion criteria. The content experts will discuss their decisions, and revise or further define inclusion/exclusion criteria if required. Title and abstract screening may commence when an inter-rater agreement of 95% or greater has been established. Discrepancies in screening will be decided through consensus, or a third content expert (SG) will be consulted for discussion. Records that meet the inclusion criteria, or were inconclusive, will move to the second phase of screening, which involves full-text screening. Again, two content experts (KP and SG) will independently apply the inclusion/exclusion criteria to the full text of each study. Disagreements will be determined through consensus, or discussion with a third content expert (HS or CS). Search results, screening results for both title/abstract, and full text screening will be reported in the PRISMA Flow Diagram as demonstrated in Figure 1.[14]

Figure 1: PRISMA Flow Diagram demonstrating the planned screening-to-extraction activities of the scoping review

After screening has been completed, reviewers will extract the data from each study utilizing JBI-SUMARI to create a consistent framework. This framework may be further refined at the reviewing stage and modified accordingly. Table 2 outlines the categories in which reviewers will extract data.

Table 2: Data Extraction Categories

Author(s)
Year of publication
Origin/Country of Origin (where the study was published or conducted)
Aims/purpose
Study population and Sample size (if applicable)

Methodology/Methods
Intervention type, comparator and details of these (e.g. type of programming or service) (if applicable)
Duration of the intervention (if applicable)
Outcomes and details of these (e.g. how measures) (if applicable)
Key findings that relate to the scoping review question/s.

The methodology and results of the scoping review will be presented in accordance with the reporting guidelines outlined in the PRISMA Extension for Scoping Reviews (PRISMA-ScR) checklist.[15] Data will be analyzed using narrative synthesis, guided by Popay et al.’s (2006) approach. These researchers note that narrative synthesis is “an approach to the systematic review and synthesis of findings from multiple studies that relies primarily on the use of words and text to summarise and explain the findings of the synthesis”.[16]

Patient and Public Involvement

This proposed scoping review protocol was written without public involvement. The public was not asked to comment on the design of the scoping review, nor were they invited to contribute to the reading or writing of this document.

Ethics and Dissemination

As this is a proposed scoping review and does not involve human or animal subjects, an ethics board approval was not necessary and thus not obtained. The findings of this proposed scoping review will be disseminated through a future publication as a completed scoping review. Findings will also be communicated to immigrant serving agencies and those with an interest in immigration issues at future conferences. The results of this review will be the first comprehensive recent survey of emotional wellness practices employed by settlement agencies. This scoping review will also be utilized to directly inform future research on newcomer emotional wellness and wellbeing.

DISCUSSION

A wide scope of practices is employed by settlement agencies to address the emotional wellness of newly arrived immigrants and refugees. This proposed scoping review will generate findings that will aid in identifying settlement agencies’ activities and programs that support agencies who undertake work with the emotional wellness of refugees, immigrants, and other newcomers as described in academic and grey literature.

While the area of mental health within this population has received a significant amount of research, little research attention has been paid to emotional wellness. This proposed scoping review therefore focuses on ‘emotional wellness’ practices as opposed to those aimed at newcomer ‘mental health’. The reason for this is that often settlement agency staff do not have the professional resources to address clinical mental health issues that can often be present in their client population, particularly in those clients who come from conflict zones or have been forced to migrate to their new country. There is much established research, however, that suggests the value of preventative measures in mental health, [17, 18] including when addressing social isolation and cultural anxiety. It is often within this area that settlement agencies act, an examination of which can provide valuable insight into the integration process of many new immigrants.

The results of this scoping review will offer comprehensive analysis of emotional wellness practices employed by settlement agencies. The findings generated will also be useful to policymakers, academics, researchers, and program implementers who work with refugees, immigrants, and other newcomers within resettlement organizations or in other similar capacities. These can provide a picture of which approaches used by agencies are more common and sustainable in particular contexts. It will also reveal which contexts agencies who operate emotional wellness supports in are more common. The ways in which funder reporting impacts service delivery and program design, for example, can reveal sector-wide patterns and practices that might be similar. These mirrored structures, in turn, can lead to specific outcomes in clients. Evidence generated through this review will offer a critical foundation from which primary prevention strategies, which directly impact the social and ecological determinants of health and emotional wellness, may be built.

For policymakers, practitioners, agencies, and other stakeholders, this **proposed** scoping review can also help identify gaps in practices where needs remain inadequately addressed or examined. A comprehensive overview of practices examined in depth in the literature can serve as a point of reference for agencies who may only have their local experiences and contexts to draw from in determining interventions on emotional wellness and well-being issues. Agencies may also refer to studies in the review to find future effects and impacts on interventions they may be considering in order to make more informed choices in terms of approach. It is acknowledged by the authors that this audience does not typically access academic literature. As such study results will be disseminated in briefings, presentations at industry-oriented (as opposed to primarily academic) conferences. The involvement of the two authors of this review whose affiliation lies with a settlement agency, facilitates access to this audience of stakeholders.

STRENGTHS AND LIMITATIONS

Results from this scoping review can identify and assess the wide scope of practices employed by settlement agencies to address the emotional wellness of new immigrants and refugees. These practices and programming may, however, not be documented completely and extensively in published academic literature, but rather are available in grey literature that include government reports and project results summaries held at the agency, funder or community level. As access to these documents may be challenging, the researchers acknowledge that this may be a limitation to the study.

A synthesis and analysis of these practices and approaches by the authors will also provide a comprehensive summary of the most successful of these practices as they are found in the established academic literature. However, this study will only include articles and reports published in English and French, and therefore works in other languages will not be reviewed for the purposes of this review. Additional strengths and limitations will be identified during the conduct of the scoping review itself.

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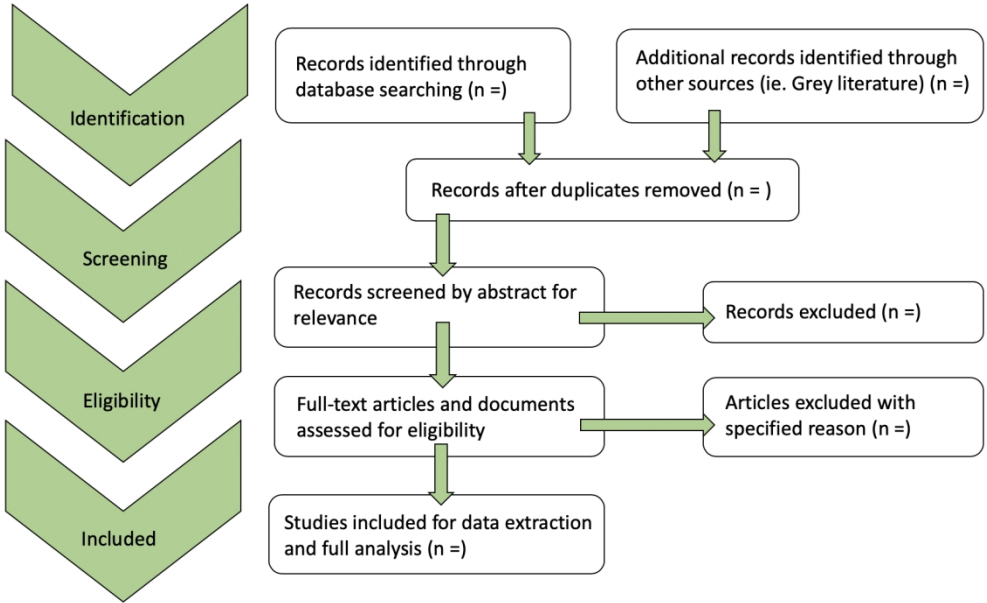


Figure 1: PRISMA Flow Diagram demonstrating the planned screening-to-extraction activities of the scoping review

Reporting checklist for protocol of a systematic review.

Based on the PRISMA-P guidelines.

Instructions to authors

Complete this checklist by entering the page numbers from your manuscript where readers will find each of the items listed below.

Your article may not currently address all the items on the checklist. Please modify your text to include the missing information. If you are certain that an item does not apply, please write "n/a" and provide a short explanation.

Upload your completed checklist as an extra file when you submit to a journal.

In your methods section, say that you used the PRISMA-Preorting guidelines, and cite them as:

Moher D, Shamseer L, Clarke M, Ghersi D, Liberati A, Petticrew M, Shekelle P, Stewart LA. Preferred Reporting Items for Systematic Review and Meta-Analysis Protocols (PRISMA-P) 2015 statement. Syst Rev. 2015;4(1):1.

			Page Number
Reporting Item			
Title			
Identification	#1a	Identify the report as a protocol of a systematic review	1
Update	#1b	If the protocol is for an update of a previous systematic review, identify as such	n/a
Registration			
	#2	If registered, provide the name of the registry (such as PROSPERO) and registration number	n/a
Authors			
Contact	#3a	Provide name, institutional affiliation, e-mail address of all protocol authors; provide physical mailing address of corresponding author	1
Contribution	#3b	Describe contributions of protocol authors and identify the guarantor of the review	2

Amendments

	#4	If the protocol represents an amendment of a previously completed or published protocol, identify as such and list changes; otherwise, state plan for documenting important protocol amendments	n/a
Support			
Sources	#5a	Indicate sources of financial or other support for the review	2
Sponsor	#5b	Provide name for the review funder and / or sponsor	2
Role of sponsor or funder	#5c	Describe roles of funder(s), sponsor(s), and / or institution(s), if any, in developing the protocol	2
Introduction			
Rationale	#6	Describe the rationale for the review in the context of what is already known	6
Objectives	#7	Provide an explicit statement of the question(s) the review will address with reference to participants, interventions, comparators, and outcomes (PICO)	7
Methods			
Eligibility criteria	#8	Specify the study characteristics (such as PICO, study design, setting, time frame) and report characteristics (such as years considered, language, publication status) to be used as criteria for eligibility for the review	8
Information sources	#9	Describe all intended information sources (such as electronic databases, contact with study authors, trial registers or other grey literature sources) with planned dates of coverage	8
Search strategy	#10	Present draft of search strategy to be used for at least one electronic database, including planned limits, such that it could be repeated	9
Study records - data management	#11a	Describe the mechanism(s) that will be used to manage records and data throughout the review	10
Study records - selection process	#11b	State the process that will be used for selecting studies (such as two independent reviewers) through each phase of the review (that is, screening, eligibility and inclusion in meta-analysis)	10
Study records - data collection process	#11c	Describe planned method of extracting data from reports (such as piloting forms, done independently, in duplicate), any processes for	11

		obtaining and confirming data from investigators	
Data items	#12	List and define all variables for which data will be sought (such as PICO items, funding sources), any pre-planned data assumptions and simplifications	n/a
Outcomes and prioritization	#13	List and define all outcomes for which data will be sought, including prioritization of main and additional outcomes, with rationale	n/a
Risk of bias in individual studies	#14	Describe anticipated methods for assessing risk of bias of individual studies, including whether this will be done at the outcome or study level, or both; state how this information will be used in data synthesis	n/a
Data synthesis	#15a	Describe criteria under which study data will be quantitatively synthesised	n/a
Data synthesis	#15b	If data are appropriate for quantitative synthesis, describe planned summary measures, methods of handling data and methods of combining data from studies, including any planned exploration of consistency (such as I ² , Kendall's τ)	n/a
Data synthesis	#15c	Describe any proposed additional analyses (such as sensitivity or subgroup analyses, meta-regression)	12
Data synthesis	#15d	If quantitative synthesis is not appropriate, describe the type of summary planned	12
Meta-bias(es)	#16	Specify any planned assessment of meta-bias(es) (such as publication bias across studies, selective reporting within studies)	n/a
Confidence in cumulative evidence	#17	Describe how the strength of the body of evidence will be assessed (such as GRADE)	n/a

None The PRISMA-P checklist is distributed under the terms of the Creative Commons Attribution License CC-BY 4.0. This checklist can be completed online using <https://www.goodreports.org/>, a tool made by the EQUATOR Network in collaboration with [Penelope.ai](#)

BMJ Open

Activities and programs that support the emotional wellness and wellbeing of refugees, immigrants, and other newcomers within settlement agencies: A scoping review protocol

Journal:	<i>BMJ Open</i>
Manuscript ID	bmjopen-2019-033377.R3
Article Type:	Protocol
Date Submitted by the Author:	14-Jul-2020
Complete List of Authors:	Goopy, Suzanne; University of Calgary, Faculty of Nursing Suva, Cesar; Calgary Immigrant Educational Society; University of Calgary, Faculty of Nursing Hayden, K. Alix; University of Calgary, Libraries and Cultural Resources Silversides, Halley; University of Calgary, Faculty of Nursing Palova, Katerina; Calgary Immigrant Educational Society
Primary Subject Heading:	Health services research
Secondary Subject Heading:	Mental health, Nursing
Keywords:	emotional wellness, immigrants, scoping review

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TITLE

Activities and programs that support the emotional wellness and wellbeing of refugees, immigrants, and other newcomers within settlement agencies: A scoping review protocol

CORRESPONDING AUTHOR

Suzanne Goopy PhD RN
Adjunct Associate Professor,
Faculty of Nursing,
University of Calgary
Calgary, Alberta, Canada

Postal address:

10 Shandon Street,
Edinburgh, Midlothian EH11 1QH,
Scotland, UK

Email address:

sgoopy@ucalgary.ca

Telephone:

+44 (0)7490 741577

AUTHORS

Suzanne Goopy PhD RN
Adjunct Associate Professor,
Faculty of Nursing,
University of Calgary
Calgary, Alberta, Canada

Cesar Suva PhD
Director, Research and Program Development / Visiting Research Scholar
The Immigrant Education Society / Faculty of Nursing, University of Calgary
Calgary, Canada

K. Alix Hayden, MLIS MSc PhD
Senior Research Librarian
Libraries and Cultural Resources
University of Calgary

Halley Silversides, BA BN MLIS RN
Research Associate, Refugees and Newcomers Emotional Wellness (ReNEW) Project
Faculty of Nursing
University of Calgary

Katerina Palova, MA
Research & Program Development Supervisor
The Immigrant Education Society
Calgary, Canada

WORD COUNT: 3007

KEYWORDS: emotional wellness, immigrants, scoping review

AUTHOR CONTRIBUTIONS

SG conceptualized the review, was involved in drafting and editing the protocol paper, guided the development and refinement of the research question, revised the title, guided the development of inclusion/exclusion criteria, the establishment of the review objectives, final preparation of protocol for submission; KAH provided methodological guidance throughout the development of the protocol, wrote the data collection component, and developed the search strategy. HS was involved in drafting and editing the protocol paper, the development of inclusion/exclusion criteria, strengths and limitations, PRISMA chart, final edits and reference clean-ups, and proof reading ; CS and KP were involved in drafting and editing the protocol, reviewing of the background literature and giving contextualization to the study within the third sector, and involved in development of inclusion and exclusion criteria.

FUNDING STATEMENT

This work was supported by *Immigration, Refugees, Citizenship Canada* (IRCC) grant number X194857003

COMPETING INTERESTS STATEMENTS

This research was funded through a grant awarded by Immigration, Refugees, and Citizenship Canada (IRCC). The co-authors from The Immigrant Education Society (formerly the Calgary Immigrant Educational Society) are full time employees for this agency and IRCC is a major funder for their organization. They would like to acknowledge that The Immigrant Education Society also receives grants from other funding bodies, including municipal and provincial governments of Canada, in addition to private foundations.

DATA SHARING STATEMENT

The search strategy, list of included studies, and data extraction tables will be available in an online supplement. No additional data will be available.

KEYWORDS

Emotional wellness, Immigrants, Scoping review

For peer review only

1

2

3 **ABSTRACT**

4

5 Introduction

6 Obstacles to successful settlement – social isolation, language hardship, issues with

7 employment, housing questions, transportation, barriers to health, education and government

8 service access – all potentially play a role in emerging physical and mental health problems. The

9 objective of this scoping review is to map the available evidence in order to provide an overview

10 of the services and resources offered to refugees, immigrants and other newcomers by settlement

11 agencies to support emotional wellness and well-being.

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15 Methods and Analysis

16 The protocol to be followed for this scoping review is based on the Joanna Briggs

17 Institute to provide a map of the current and emergent literature, and examine the extent, range,

18 and nature of this literature. The proposed scoping review will also identify the gaps in research

19 pertaining to the emotional wellness of refugees, immigrants, and other newcomers as well as

20 summarize and disseminate research findings and provide direction for future reviews. Key

21 databases for this scoping review include PsycINFO, Medline, Embase, CINAHL Plus,

22 Academic Search Premier, and Education Research Complete. The database search start and end

23 dates for this scoping review will be from inception to July 2020. The article searches will take

24 place between August and October 2020.

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28 Ethics and Dissemination

29 Ethics is not required as the research will not involve human or animal subjects. The research

30 is a scoping review, and thus relies on published and grey literature studies and documents. The

31 findings of this proposed scoping review will be disseminated through future publications as well

32 as presentations to relevant stakeholders including immigrant serving agencies. We anticipate

33 that this scoping review will identify gaps in research pertaining to the emotional wellness of

34 refugees, immigrants and other newcomers. The results of this review will be the first

35 comprehensive recent survey of emotional wellness practices employed by settlement agencies.

36

37

38 **Keywords**

39 Emotional wellness, Immigrants, Scoping review

40

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42 **ARTICLE SUMMARY**

43 **Strengths and Limitations of this study**

- 44
- 45 • Studies will only be reviewed if they are in English and/or French – there is the
 - 46 possibility that some relevant studies may be missed
 - 47 • The team consists of content experts from both the academic and non-profit immigrant-
 - 48 serving sector as well as a methodological expert health sciences librarian
 - 49 • Following rigorous JBI methodology and utilizing software (Covidence and JBI-
 - 50 SUMARI) for review
 - 51 • Comprehensive data collection – searching multiple sources and will include grey
 - 52 literature
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For peer review only

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INTRODUCTION

Research since the early twentieth century has revealed that immigrants can frequently experience mental health issues to a higher degree than local populations.[1, 2] Although such individuals might arrive in Canada with a lower average incidence of mental health issues compared to locals, these can increase due to the stress, insecurity, and precariousness that often accompanies the settlement process.[3] This is precipitated by the loss of long-established and diverse social and emotional ties that existed in newcomers' home countries but are absent at the settlement destination.[4] Rates of mental illness can be especially high amongst immigrants who are most vulnerable, such as seniors, women, and children. There can also be variation in experiences between cultural groups, depending on similarities with the host culture such as language and religion.[4] Obstacles to successful settlement – social isolation, language hardship, issues with employment, housing questions, transportation, barriers to health, education, government service access, and the overall experience of migrating to a new country – all potentially play a role in emerging physical and mental health problems.[3] Recent immigrants, for example, are more likely to suffer disproportionately with the cost of housing, and with its consequent impact on physical and emotional health.[5]

Vulnerable newcomers, such as refugees, undocumented immigrants, and asylum seekers, can be reticent to approach mainstream health and social services because of actual and imagined consequences. These imagined consequences can include impacts on their immigration status,[6] while actual ones may include financial liability.[7] Difficulties in expressing themselves in English, as well as hesitancy to share highly personal information with health professionals with whom they have no established relationship, can be nearly insurmountable barriers for many newcomers.[7] While the *Canada Health Act* recommends that approaches to service delivery include accommodation for cultural and linguistic diversity, there is still a high degree of inconsistency in the provision of these services that ensure access to newcomers of various backgrounds.[6]

Some studies have advocated the fostering of a heterogeneous and diversified series of social connections for a more accommodating, culturally appropriate, and comprehensive provision of health and support services for immigrant populations.[8] The presence of a broad network of 'weak ties', some authors have argued, is in fact more viable in ensuring community health access for care-giving women, for example, than of strong ties in a more limited network.[9]

In a similar vein and for a host of other contextual reasons, settlement agencies in Canada have, in the past few years, developed services and programming that focus on the support of newcomer emotional health and wellness. However, these practices are diverse, limited, underdeveloped, often inconsistent, and sometimes redundant, which can have a detrimental effect on how newcomers engage, and ultimately benefit, from these services. A comprehensive examination of these practices over a wide range of contexts can inform researchers as well as practitioners about the most effective ways of ensuring the emotional wellness of the newcomers they serve.

METHODS AND ANALYSIS

This proposed scoping review will be conducted in the following manner, adhering to the process/guidelines of the JBI scoping review methodology:

1. Research question identification
2. Identification of relevant studies
3. Selection of studies to be included
4. Extraction of relevant data from included studies
5. Summary, compilation and reporting of results
6. Sharing of results with stakeholders

Review title: Activities and programs that support the emotional wellness of refugees, immigrants, and other newcomers within settlement agencies: A scoping review protocol

Review Objective: The aim of this proposed scoping review is to provide a map of the existing literature, and examine the extent, range, and nature of the current and emergent literature. This scoping review will also identify the gaps in research pertaining to the emotional wellness and well-being of refugees, immigrants, and other newcomers as well as summarize and disseminate research findings. It will also provide the basis for a summary of the most successful practices and initiatives employed to support newcomer emotional wellness available in the literature, as well as the parameters of their success. The discussion of these parameters will also identify barriers as well as facilitators to the success of this programming. While the scoping review will be primarily used to inform knowledge users by identifying gaps in the research knowledge base,[10] clarifying key concepts,[11] and reporting on the types of evidence that address and inform the delivery of integration services across a range of disciplinary and sub-disciplinary areas,[12] it may also be used to provide direction for future systematic reviews.

Review Question: JBI suggests using the mnemonic PCC – Population, Concept and Context – to inform the research question as well as the inclusion criteria when conducting a scoping review.[13] For our review, the population is refugees, immigrants, and other newcomers, the concept is emotional wellness and emotional well-being, and the context is settlement agencies. Therefore, our research question is as follows:

Which practices aimed at addressing the emotional wellness and well-being of refugees, immigrants and other newcomers are, or have been, offered by settlement agencies?

Inclusion Criteria

Population:

Newcomers, refugees, immigrants who have reached their final destination and who are involved with ‘formal’ settlement agencies’ services will be the focus of the review. Undocumented and illegal immigrants served at more ‘informal’ community associations and organizations will also be included. This review will focus both on practices at ‘formal’ organizations as well as ‘informal’ organizations. ‘Formal’ organizations are typically not-for-profit settlement agencies that employ permanent staff and receive funding from various levels of government and other non-governmental funding agencies. ‘Informal’ organizations are driven primarily by volunteer staff and participants, regardless of their source of funding. While more ‘formal’ organizations typically have a higher degree of consistency and sustainability within their programs, volunteer-based community organizations can have varied programming due to their precarious funding and resources. This review will look at both types of organizations, which both hold significant value and contributions to newcomer communities, often in different ways. The participant

population includes individuals over 18 or families. Children, without a family unit or where services are offered within schools only, will be excluded.

Concept:

Our review will investigate the emotional wellness and well-being of newcomers settling in their final destination country. Studies, program descriptions, or interventions that focus on enhancing well-being or addressing well-being or barriers/gaps to well-being, will be included. Studies that involve conditions addressed and intervened upon by formal health service professionals such as those concerning psychiatric mental disorders will be excluded. Further, studies that focus on interventions for diagnosable conditions, communicable diseases, or other diseases and physical illnesses will be excluded. Studies that consider mental state but without Diagnostic and Statistical Manual (DSM-5) criteria will be included. Studies focused on participants’ thinking around ethnicity, identity, identification, and ethnic identification will be excluded in the scoping review

Context:

The review focuses on newcomers in formal settlement agency contexts within their final destination country. As we are looking at the emotional wellness and well-being of refugees, immigrants, and other newcomers, we will include studies that deal with families (adults and their children) or adults within the context of formal settlement agencies and services provided by settlement agencies within the destination country. Community-based programs or research will be included because of the study’s interest on non-governmental assistance within Canadian communities aimed at the successful integration of newcomers. As the study examines service delivery, studies can be about an intervention or formalized program. School-based programs for children will be excluded. Services that assist clients in more transitory situations, without consideration for the long-term adjustment and integration of the client, will be excluded. Because of the study’s focus on service providers who aim to settle and integrate clients permanently into the local community, studies that consider participants whose place of settlement are refugee camps will not be included.

Types of Studies

All study designs, such as those that are descriptive, qualitative, quantitative, case studies, surveys or using mixed methods, will be included in the review. Further, we will include grey literature including dissertations, government reports, and settlement agency documents or program descriptions. Systematic reviews, and other knowledge synthesis research will be excluded, but the reference lists will be scanned for potentially relevant studies. Studies where participants settle in Europe, North America, or Australasia – regions that have comparable forms of governance, degree of economic development and cultural context to Canada – will be included. Studies where participants settle outside of these regions will be excluded. The search strategy will be limited to works published in either French or English. This review will consider studies that are in either English or French because the study is aimed at use in Canada for both English and French settlement services. There will be no date restrictions.

Search Strategy

The search strategy for data collection for the scoping review will be purposefully comprehensive and exhaustive. As recommended by JBI, our review follows a three-step search

strategy.[13] The first step involved exploring the literature. The team met to discuss and brainstorm potential keywords for the three main concepts: newcomers, wellness, and settlement agencies. The team also identified seed articles. An initial search was conducted by an expert health sciences librarian in PsycINFO and Google Scholar with the identified keywords. The seed articles were also analyzed for keywords and subject headings. Second, the identified keywords and subject headings were then developed into a comprehensive search strategy, with continuous exploring of newly identified keywords through scanning the retrieved results. This was an iterative process, where new keywords and subject headings were added as discovered. This search strategy, in PsycINFO, was shared with the team, who provided feedback, and further revisions were undertaken. The PsycINFO search was also pilot tested to be sure that it captured the known seed articles. The provisional search strategy is available in Table 1. The PsycINFO search strategy will be adapted for each database, with keywords remaining constant across databases, and subject headings being responsive to the controlled vocabulary of the database. The final step will involve snowball searching. Specifically, both reference lists and works cited in included studies will be screened. Citations, references and bibliographies of included studies will also be screened. It is the intent of the reviewers to contact the author of primary studies or reviews for further information as appropriate.

Preliminary simple searches, focusing on the main concepts (newcomers/immigrants/refugees, wellness/wellbeing, settlement) were conducted in numerous databases to identify those which would be most informative. Based on these preliminary searches, the search will be conducted in the following OVID databases: PsycINFO, Medline, and Embase. EbscoHost databases to be searched include the following: CINAHL Plus, Academic Search Premier, Anthropology Plus, Education Research Complete, ERIC, Family & Society Studies Worldwide, Family Studies Abstracts, and SocINDEX. Sociological abstracts will be searched on the ProQuest platform. Scopus will also be searched. Table 1 provides the provisional search strategy, for PsycINFO.

Table 1: Provisional Search Strategy

Database(s): PsycINFO 1806 to May Week 3 2019

Search Strategy:

#	Searches	Results
1	exp Immigration/	20977
2	exp MIGRANT FARM WORKERS/	423
3	exp refugees/	5409
4	exp Asylum Seeking/	464
5	(immigrant* or immigration).tw,id.	30349
6	(refugee* or foreign born* or asylum seek* or migrant* or illegal alien*).tw,id.	18807
7	(displaced adj2 (people* or person*)).tw,id.	595
8	(newcomer* or economic migrant* or economic immigrant*).tw,id.	2462
9	or/1-8	47298
10	exp Well Being/ or exp BELONGING/ or exp Social Integration/	47053
11	exp HAPPINESS/ or exp Social Capital/ or exp Sociocultural Factors/	125310
12	exp LIFE SATISFACTION/ or exp "Quality of Life"/ or exp Social Support/	81217
13	exp COPING BEHAVIOR/ or exp Mental Health/	106607

14	(social inclusion or well being or wellbeing or belonging*).tw,id.	104158
15	(acculturation or resettlement or settlement).tw,id.	15866
16	(satisfaction or happiness).tw,id.	116585
17	(social capital or integration or cultural capital or cultural code*).tw,id.	95530
18	("quality of life" or mental health or wellness or social support or coping).tw,id.	337843
19	or/10-18	699901
20	exp DISSATISFACTION/ or exp SADNESS/	3966
21	exp Loneliness/ or exp SOCIAL ISOLATION/	11153
22	exp SOCIAL STRESS/ or exp DISTRESS/	22893
23	exp Anxiety/ or exp FEAR/ or exp Disadvantaged/ or exp DISAPPOINTMENT/	90620
24	(dissatisfaction or dis-satisfaction or sadness).tw,id.	21615
25	(social adj3 (exclusion or isolation)).tw,id.	10760
26	(loneliness or lonely).tw,id.	10136
27	(distress* or stress*).tw,id.	303290
28	(anxious* or worrying* or fear* or afraid or frightened or nervous*).tw,id.	171714
29	(unsettled or disillusion* or disappoint*).tw,id.	8995
30	or/20-29	542376
31	19 or 30	1097619
32	(service adj2 provider*).tw,id.	10490
33	((English or French) adj2 (teacher* or instructor* or provider*)).tw,id.	1815
34	((ESL or FSL) adj2 (teacher* or instructor* or provider*)).tw,id.	315
35	(language adj2 (instruct* or learning or education*)).tw,id.	15510
36	(translator* or advocat* or helper* or volunteer*).tw,id.	72093
37	((settlement or resettlement or voluntary or community) adj2 worker*).tw,id.	1783
38	((refugee* or immigrant* or settlement* or resettlement*) adj2 (agenc* or worker* or agent* or service*)).tw,id.	969
39	community member*.tw,id.	5609
40	(not-for-profit or nonprofit).tw,id.	5255
41	(child mind* or babysit*).tw,id.	331
42	(child adj2 (minder* or minding or worker*)).tw,id.	1811
43	babysit*.tw,id.	224
44	exp NONPROFIT ORGANIZATIONS/	2264
45	exp VOLUNTEERS/	4519
46	exp Community Services/	31548
47	or/32-46	141652
48	9 and 31 and 47	2155
49	limit 48 to (english or french)	2060

All search results from the databases will be uploaded into Endnote 8. The results will be deduplicated, and the unique references will be exported to Covidence for title and abstract screening.

Study Selection

The retrieved studies will be screened in two phases, both of which will utilize Covidence to assist in the screening process. In Phase 1, two content experts (CS and HS) will independently

screen these studies by title and abstract, applying the inclusion/exclusion criteria to each record. Prior to commencing screening, the content experts will pilot screen a sample of 100 records, applying the inclusion/exclusion criteria. The content experts will discuss their decisions, and revise or further define inclusion/exclusion criteria if required. Title and abstract screening may commence when an inter-rater agreement of 95% or greater has been established. Discrepancies in screening will be decided through consensus, or a third content expert (SG) will be consulted for discussion. Records that meet the inclusion criteria, or were inconclusive, will move to the second phase of screening, which involves full-text screening. Again, two content experts (KP and SG) will independently apply the inclusion/exclusion criteria to the full text of each study. Disagreements will be determined through consensus, or discussion with a third content expert (HS or CS). Search results, screening results for both title/abstract, and full text screening will be reported in the PRISMA Flow Diagram as demonstrated in Figure 1.[14]

Figure 1: PRISMA Flow Diagram demonstrating the planned screening-to-extraction activities of the scoping review

After screening has been completed, reviewers will extract the data from each study utilizing JBI-SUMARI to create a consistent framework. This framework may be further refined at the reviewing stage and modified accordingly. Table 2 outlines the categories in which reviewers will extract data.

Table 2: Data Extraction Categories

Author(s)
Year of publication
Origin/Country of Origin (where the study was published or conducted)
Aims/purpose
Study population and Sample size (if applicable)
Methodology/Methods
Intervention type, comparator and details of these (e.g. type of programming or service) (if applicable)
Duration of the intervention (if applicable)
Outcomes and details of these (e.g. how measures) (if applicable)
Key findings that relate to the scoping review question/s.

The methodology and results of the scoping review will be presented in accordance with the reporting guidelines outlined in the PRISMA Extension for Scoping Reviews (PRISMA-ScR) checklist.[15] Data will be analyzed using narrative synthesis, guided by Popay et al.'s (2006) approach. These researchers note that narrative synthesis is "an approach to the systematic review and synthesis of findings from multiple studies that relies primarily on the use of words and text to summarise and explain the findings of the synthesis".[16]

Patient and Public Involvement

This proposed scoping review protocol was written without public involvement. The public was not asked to comment on the design of the scoping review, nor were they invited to contribute to the reading or writing of this document.

Ethics and Dissemination

As this is a proposed scoping review and does not involve human or animal subjects, an ethics board approval was not necessary and thus not obtained. The findings of this proposed scoping review will be disseminated through a future publication as a completed scoping review. Findings will also be communicated to immigrant serving agencies and those with an interest in immigration issues at future conferences. The results of this review will be the first comprehensive recent survey of emotional wellness practices employed by settlement agencies. This scoping review will also be utilized to directly inform future research on newcomer emotional wellness and wellbeing.

DISCUSSION

A wide scope of practices is employed by settlement agencies to address the emotional wellness of newly arrived immigrants and refugees. This proposed scoping review will generate findings that will aid in identifying settlement agencies’ activities and programs that support agencies who undertake work with the emotional wellness of refugees, immigrants, and other newcomers as described in academic and grey literature.

While the area of mental health within this population has received a significant amount of research, little research attention has been paid to emotional wellness. This proposed scoping review therefore focuses on ‘emotional wellness’ practices as opposed to those aimed at newcomer ‘mental health’. The reason for this is that often settlement agency staff do not have the professional resources to address clinical mental health issues that can often be present in their client population, particularly in those clients who come from conflict zones or have been forced to migrate to their new country. There is much established research, however, that suggests the value of preventative measures in mental health, [17, 18] including when addressing social isolation and cultural anxiety. It is often within this area that settlement agencies act, an examination of which can provide valuable insight into the integration process of many new immigrants.

The results of this scoping review will offer comprehensive analysis of emotional wellness practices employed by settlement agencies. The findings generated will also be useful to policymakers, academics, researchers, and program implementers who work with refugees, immigrants, and other newcomers within resettlement organizations or in other similar capacities. These can provide a picture of which approaches used by agencies are more common and sustainable in particular contexts. It will also reveal which contexts agencies who operate emotional wellness supports in are more common. The ways in which funder reporting impacts service delivery and program design, for example, can reveal sector-wide patterns and practices that might be similar. These mirrored structures, in turn, can lead to specific outcomes in clients. Evidence generated through this review will offer a critical foundation from which primary prevention strategies, which directly impact the social and ecological determinants of health and emotional wellness, may be built.

For policymakers, practitioners, agencies, and other stakeholders, this proposed scoping review can also help identify gaps in practices where needs remain inadequately addressed or examined. A comprehensive overview of practices examined in depth in the literature can serve

as a point of reference for agencies who may only have their local experiences and contexts to draw from in determining interventions on emotional wellness and well-being issues. Agencies may also refer to studies in the review to find future effects and impacts on interventions they may be considering in order to make more informed choices in terms of approach. It is acknowledged by the authors that this audience does not typically access academic literature. As such study results will be disseminated in briefings, presentations at industry-oriented (as opposed to primarily academic) conferences. The involvement of the two authors of this review whose affiliation lies with a settlement agency, facilitates access to this audience of stakeholders.

STRENGTHS AND LIMITATIONS

Results from this scoping review can identify and assess the wide scope of practices employed by settlement agencies to address the emotional wellness of new immigrants and refugees. These practices and programming may, however, not be documented completely and extensively in published academic literature, but rather are available in grey literature that include government reports and project results summaries held at the agency, funder or community level. As access to these documents may be challenging, the researchers acknowledge that this may be a limitation to the study.

A synthesis and analysis of these practices and approaches by the authors will also provide a comprehensive summary of the most successful of these practices as they are found in the established academic literature. However, this study will only include articles and reports published in English and French, and therefore works in other languages will not be reviewed for the purposes of this review. Additional strengths and limitations will be identified during the conduct of the scoping review itself.

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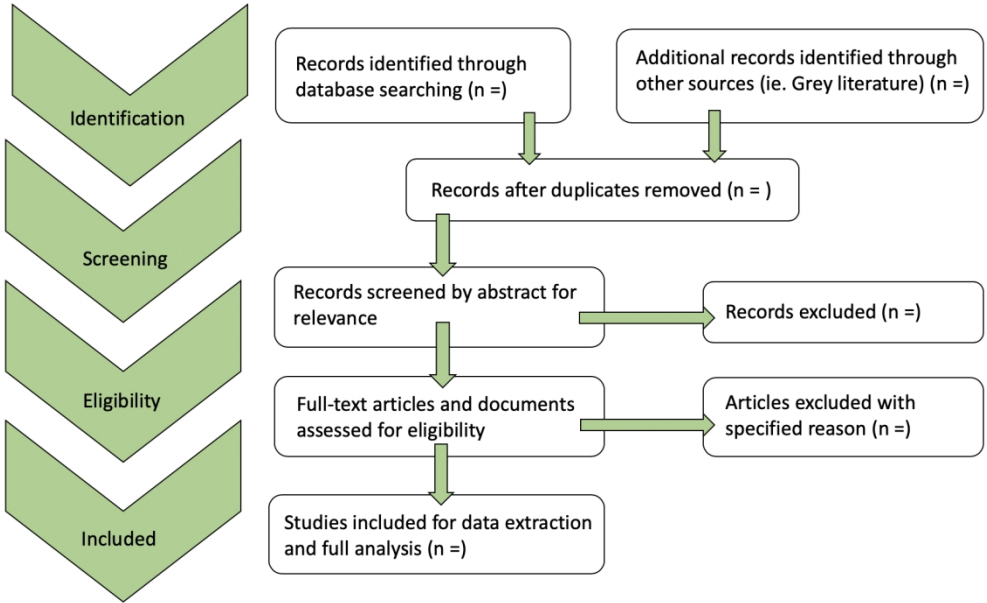


Figure 1: PRISMA Flow Diagram demonstrating the planned screening-to-extraction activities of the scoping review

Reporting checklist for protocol of a systematic review.

Based on the PRISMA-P guidelines.

Instructions to authors

Complete this checklist by entering the page numbers from your manuscript where readers will find each of the items listed below.

Your article may not currently address all the items on the checklist. Please modify your text to include the missing information. If you are certain that an item does not apply, please write "n/a" and provide a short explanation.

Upload your completed checklist as an extra file when you submit to a journal.

In your methods section, say that you used the PRISMA-Preorting guidelines, and cite them as:

Moher D, Shamseer L, Clarke M, Ghersi D, Liberati A, Petticrew M, Shekelle P, Stewart LA. Preferred Reporting Items for Systematic Review and Meta-Analysis Protocols (PRISMA-P) 2015 statement. Syst Rev. 2015;4(1):1.

			Page Number
Reporting Item			
Title			
Identification	#1a	Identify the report as a protocol of a systematic review	1
Update	#1b	If the protocol is for an update of a previous systematic review, identify as such	n/a
Registration			
	#2	If registered, provide the name of the registry (such as PROSPERO) and registration number	n/a
Authors			
Contact	#3a	Provide name, institutional affiliation, e-mail address of all protocol authors; provide physical mailing address of corresponding author	1
Contribution	#3b	Describe contributions of protocol authors and identify the guarantor of the review	2

Amendments

	#4	If the protocol represents an amendment of a previously completed or published protocol, identify as such and list changes; otherwise, state plan for documenting important protocol amendments	n/a
Support			
Sources	#5a	Indicate sources of financial or other support for the review	2
Sponsor	#5b	Provide name for the review funder and / or sponsor	2
Role of sponsor or funder	#5c	Describe roles of funder(s), sponsor(s), and / or institution(s), if any, in developing the protocol	2
Introduction			
Rationale	#6	Describe the rationale for the review in the context of what is already known	6
Objectives	#7	Provide an explicit statement of the question(s) the review will address with reference to participants, interventions, comparators, and outcomes (PICO)	7
Methods			
Eligibility criteria	#8	Specify the study characteristics (such as PICO, study design, setting, time frame) and report characteristics (such as years considered, language, publication status) to be used as criteria for eligibility for the review	8
Information sources	#9	Describe all intended information sources (such as electronic databases, contact with study authors, trial registers or other grey literature sources) with planned dates of coverage	8
Search strategy	#10	Present draft of search strategy to be used for at least one electronic database, including planned limits, such that it could be repeated	9
Study records - data management	#11a	Describe the mechanism(s) that will be used to manage records and data throughout the review	10
Study records - selection process	#11b	State the process that will be used for selecting studies (such as two independent reviewers) through each phase of the review (that is, screening, eligibility and inclusion in meta-analysis)	10
Study records - data collection process	#11c	Describe planned method of extracting data from reports (such as piloting forms, done independently, in duplicate), any processes for	11

		obtaining and confirming data from investigators	
Data items	#12	List and define all variables for which data will be sought (such as PICO items, funding sources), any pre-planned data assumptions and simplifications	n/a
Outcomes and prioritization	#13	List and define all outcomes for which data will be sought, including prioritization of main and additional outcomes, with rationale	n/a
Risk of bias in individual studies	#14	Describe anticipated methods for assessing risk of bias of individual studies, including whether this will be done at the outcome or study level, or both; state how this information will be used in data synthesis	n/a
Data synthesis	#15a	Describe criteria under which study data will be quantitatively synthesised	n/a
Data synthesis	#15b	If data are appropriate for quantitative synthesis, describe planned summary measures, methods of handling data and methods of combining data from studies, including any planned exploration of consistency (such as I ² , Kendall's τ)	n/a
Data synthesis	#15c	Describe any proposed additional analyses (such as sensitivity or subgroup analyses, meta-regression)	12
Data synthesis	#15d	If quantitative synthesis is not appropriate, describe the type of summary planned	12
Meta-bias(es)	#16	Specify any planned assessment of meta-bias(es) (such as publication bias across studies, selective reporting within studies)	n/a
Confidence in cumulative evidence	#17	Describe how the strength of the body of evidence will be assessed (such as GRADE)	n/a

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