

Supplementary Appendix 1. The PRISMA-ScR checklist

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM	REPORTED ON PAGE #
TITLE			
Title	1	Identify the report as a scoping review.	1
ABSTRACT			
Structured summary	2	Provide a structured summary that includes (as applicable): background, objectives, eligibility criteria, sources of evidence, charting methods, results, and conclusions that relate to the review questions and objectives.	1
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of what is already known. Explain why the review questions/objectives lend themselves to a scoping review approach.	2-3
Objectives	4	Provide an explicit statement of the questions and objectives being addressed with reference to their key elements (e.g., population or participants, concepts, and context) or other relevant key elements used to conceptualize the review questions and/or objectives.	3
METHODS			
Protocol and registration	5	Indicate whether a review protocol exists; state if and where it can be accessed (e.g., a Web address); and if available, provide registration information, including the registration number.	3
Eligibility criteria	6	Specify characteristics of the sources of evidence used as eligibility criteria (e.g., years considered, language, and publication status), and provide a rationale.	3
Information sources*	7	Describe all information sources in the search (e.g., databases with dates of coverage and contact with authors to identify additional sources), as well as the date the most recent search was executed.	3
Search	8	Present the full electronic search strategy for at least 1 database, including any limits used, such that it could be repeated.	Supplementary Appendix 2
Selection of sources of evidence†	9	State the process for selecting sources of evidence (i.e., screening and eligibility) included in the scoping review.	3-4

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM	REPORTED ON PAGE #
Data charting process‡	10	Describe the methods of charting data from the included sources of evidence (e.g., calibrated forms or forms that have been tested by the team before their use, and whether data charting was done independently or in duplicate) and any processes for obtaining and confirming data from investigators.	4
Data items	11	List and define all variables for which data were sought and any assumptions and simplifications made.	4
Critical appraisal of individual sources of evidence§	12	If done, provide a rationale for conducting a critical appraisal of included sources of evidence; describe the methods used and how this information was used in any data synthesis (if appropriate).	Not applicable
Synthesis of results	13	Describe the methods of handling and summarizing the data that were charted.	4-5
RESULTS			
Selection of sources of evidence	14	Give numbers of sources of evidence screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage, ideally using a flow diagram.	4-5
Characteristics of sources of evidence	15	For each source of evidence, present characteristics for which data were charted and provide the citations.	Supplemental Appendix 3
Critical appraisal within sources of evidence	16	If done, present data on critical appraisal of included sources of evidence (see item 12).	Not applicable
Results of individual sources of evidence	17	For each included source of evidence, present the relevant data that were charted that relate to the review questions and objectives.	7
Synthesis of results	18	Summarize and/or present the charting results as they relate to the review questions and objectives.	5-7
DISCUSSION			
Summary of evidence	19	Summarize the main results (including an overview of concepts, themes, and types of evidence available), link to the review questions and objectives, and consider the relevance to key groups.	7-8
Limitations	20	Discuss the limitations of the scoping review process.	8

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM	REPORTED ON PAGE #
Conclusions	21	Provide a general interpretation of the results with respect to the review questions and objectives, as well as potential implications and/or next steps.	8-9
FUNDING			
Funding	22	Describe sources of funding for the included sources of evidence, as well as sources of funding for the scoping review. Describe the role of the funders of the scoping review.	9

Supplementary Appendix 2. Search strategy across the databases

Concept	Ovid MEDLINE, Global Health	Embase	Scopus
1. Population	(pediatric* or paediatric* or (child* not childbearing) or (birth* not birthdate) or newborn* or congenital* or infan* or baby or babies or neonat* or pre term or preterm or premature birth or toddler* or teen* or youth* or adolesc*).tw,kf.	(pediatric* or paediatric* or (child* not childbearing) or (birth* not birthdate) or newborn* or congenital* or infan* or baby or babies or neonat* or "pre term" or preterm or premature birth or toddler* or teen* or youth* or adolesc*).ti,ab,kw.	TITLE-ABS- KEY((pediatric* OR paediatric* OR (child* NOT childbearing) OR (birth* NOT birthdate) OR newborn* OR congenital* OR infan* OR baby OR babies OR neonat* OR "pre adj1 term* OR "premature birth" OR toddler* OR teen* OR youth* OR adolesc*))
2. Administrative data	("administrative adj1 data" or "administrative data" or "administrative health data" or "administrative health database*" or "administrative healthcare data" or "administrative healthcare database*").tw,kf.	("administrative adj1 data" or "administrative data" or "administrative health data" or "administrative health database*" or "administrative healthcare data" or "administrative healthcare database*").ti,ab,kw.	TITLE-ABS- KEY(("administrative W/1 data" OR "administrative data" OR "administrative health data" OR "administrative health database*" OR "administrative healthcare data" OR "administrative healthcare database*"))
3. Geography (Canadian provinces/territories)	exp Canada/ OR (Canad* or "British Columbia" or "Colombie Britannique" or Alberta* or Saskatchewan or Manitoba* or Ontario or Quebec or "Nouveau Brunswick" or "New Brunswick" or "Nova Scotia" or "Nouvelle Ecosse" or "Prince Edward Island" or	exp Canada/ OR (Canad* or "British Columbia" or "Colombie Britannique" or Alberta* or Saskatchewan or Manitoba* or Ontario or Quebec or "Nouveau Brunswick" or "New Brunswick" or "Nova Scotia" or "Nouvelle Ecosse" or "Prince Edward	ALL(Canada OR Canad* OR "British Columbia" OR "Colombie Britannique" OR Alberta* OR Saskatchewan OR Manitoba* OR Ontario OR Quebec OR "Nouveau Brunswick" OR "New Brunswick" OR "Nova Scotia" OR "Nouvelle Ecosse" OR "Prince Edward

	Newfoundland or Labrador or Nunavut or NWT or "Northwest Territories" or Yukon or Nunavik or Inuvialuit).mp.	Island" or Newfoundland or Labrador or Nunavut or NWT or "Northwest Territories" or Yukon or Nunavik or Inuvialuit).ti,ab,kw.	Island" OR Newfoundland OR Labrador OR Nunavut OR NWT OR "Northwest Territories" OR Yukon OR Nunavik OR Inuvialuit)
Final combination	1 AND 2 AND 3	1 AND 2 AND 3	(#1 AND #2 AND #3)

Supplemental Appendix 3. Information of 42 articles included in the scoping review

First author	Article title	Province/Territory in which the study was conducted	Publication year
Oreopoulos et al	Short-, medium-, and long-term consequences of poor infant health: An analysis using siblings and twins	Manitoba	2008
Guttmann et al	Immunization coverage among young children of urban immigrant mothers: findings from a universal health care system	Ontario	2008
Fransoo et al	How health status affects progress and performance in school: a population-based study	Manitoba	2008
Roos et al	What is most important: Social factors, health selection, and adolescent educational achievement	Manitoba	2013
Martens et al	The effect of neighborhood socioeconomic status on education and health outcomes for children living in social housing	Manitoba	2014
Roos et al	Adolescent outcomes and opportunities in a Canadian province: looking at siblings and neighbors	Manitoba	2014
Kingston et al	Predictors of Childhood Anxiety: A Population-Based Cohort Study	Manitoba	2015
Coo et al	The association between the interpregnancy interval and autism spectrum disorder in a Canadian cohort	Manitoba	2015
Wall-Wieler et al	What predictors matter: Risk factors for late adolescent outcomes	Manitoba	2016
Wall-Wieler et al	Teenage pregnancy: the impact of maternal adolescent childbearing and older sister's teenage pregnancy on a younger sister	Manitoba	2016
Singal et al	Neonatal and childhood neurodevelopmental, health and educational outcomes of children exposed to antidepressants and maternal depression during pregnancy: protocol for a retrospective population-based cohort study using linked	Manitoba	2016

	administrative data		
Shooshtari et al	Comparing health status, health trajectories and use of health and social services between children with and without developmental disabilities: A population-based longitudinal study in Manitoba	Manitoba	2017
Comaskey et al	Maternal depression and anxiety disorders (MDAD) and child development: A Manitoba population-based study	Manitoba	2017
Roos et al	Life course epidemiology: Modeling educational attainment with administrative data	Manitoba	2017
Brownell et al	An unconditional prenatal income supplement reduces population inequities in birth outcomes	Manitoba	2018
Wall-Wieler et al	Social context of welfare in Manitoba, Canada	Manitoba	2018
Bartsch et al	Infant feeding practices within a large electronic medical record database	Ontario	2018
Saunders et al	Use of the emergency department as a first point of contact for mental health care by immigrant youth in Canada: a population-based study	Ontario	2018
Wilson et al	Rotavirus vaccine coverage and factors associated with uptake using linked data: Ontario, Canada	Ontario	2018
Izakian et al	Trajectory of service use among Albertan youth with complex service need	Alberta	2019
Enns et al	Association between participation in the Families First Home Visiting programme and First Nations families' public health outcomes in Manitoba, Canada: a retrospective cohort study using linked administrative data	Manitoba	2019
Pulver et al	Differences in early childhood maltreatment by maternal birthplace and child sex	Ontario	2020
Guttmann et al	Implementation of a physician incentive program for 18-month developmental screening in Ontario, Canada	Ontario	2020

Fitzpatrick et al	Family and child risk factors for early-life RSV illness	Ontario	2021
Sow et al	Risk of low birth weight according to household composition in Brussels and Montreal: Do income support policies variations explain the differences observed between both regions?	Quebec	2021
Kenny et al	Do socioeconomic and birth order gradients in child maltreatment differ by immigrant status?	Ontario	2021
Saunders et al	Use of administrative record linkage to measure medical and social risk factors for early developmental vulnerability in Ontario, Canada	Ontario	2021
Magee et al	Diagnosed incidence of non-affective psychotic disorders amongst adolescents in British Columbia and sociodemographic risk factors: A retrospective cohort study	British Columbia	2022
Enns et al	A longitudinal cohort study of participation in the Boys & Girls Clubs of Winnipeg	Manitoba	2022
Vigod et al	Maternal schizophrenia and the risk of a childhood chronic condition	Ontario	2022
Magee et al	Risk of diagnosed adolescent-onset non-affective psychotic disorder by migration background in British Columbia: A retrospective cohort study	British Columbia	2023
Taylor et al	Preventive health care among children of women with schizophrenia: A population-based cohort study	Ontario	2023
Jairam et al	Morbidity and mortality of newborns born to immigrant and nonimmigrant females residing in low-income neighbourhoods	Ontario	2023
Smith et al	Association of maternal risk factors with infant maltreatment: an administrative data cohort study	Ontario	2023
Clemens et al	The association between household food insecurity and healthcare costs among Canadian children	Ontario	2023
Toulany et al	Sociodemographic differences in	Ontario	2023

	physician-based mental health and virtual care utilization and uptake of virtual care among children and adolescents during the COVID-19 pandemic in Ontario, Canada: A population-based study		
Friesen et al	COVID-19 and the mental health of adolescents in British Columbia	British Columbia	2024
Russell et al	Youth mental health care use during the COVID-19 pandemic in Alberta, Canada: an interrupted time series, population-based study	Alberta	2024
Nickel et al	Birth outcomes among First Nations birthing parents incarcerated while pregnant: A linked administrative data study from Manitoba, Canada	Manitoba	2024
Kaoser et al	The relationship between neighbourhood income and youth mental health service use differs by immigration experience: analysis of population-based data in British Columbia, Canada	British Columbia	2024
Chartier et al	The mental health of First Nations children in Manitoba: A population-based retrospective cohort study using linked administrative data	Manitoba	2024
Du et al	Human papillomavirus vaccine coverage among immigrant adolescents in Alberta: a population-based cohort study	Alberta	2025