# [***University of Waterloo Reports Findings in Climate Change (Climate change, biodiversity loss, and Indigenous Peoples' health and wellbeing: A systematic umbrella review)***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:6BP9-49Y1-DY7R-R2R4-00000-00&context=1516831)

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**Section:** CLIMATE CHANGE

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**Body**

2024 APR 01 (NewsRx) -- By a News Reporter-Staff News Editor at Insurance Daily News -- New research on Climate Change is the subject of a report. According to news reporting originating in Waterloo, Canada, by NewsRx journalists, research stated, "Indigenous Peoples worldwide are experiencing a cascade of impacts on their health and wellbeing as a result of climate change and ***biodiversity*** ***loss***. Existing literature at the interface of climate change, ***biodiversity*** ***loss***, and Indigenous health tells us that Indigenous Peoples are among those most disproportionately and acutely affected by these impacts."

Financial support for this research came from Government of Canada.

The news reporters obtained a quote from the research from the University of Waterloo, "Yet, a gap exists with respect to comprehensively and critically synthesizing the impacts reported across this literature and identifying Indigenous-led responses. Guided by an Indigenous advisory group, we employed a systematic umbrella review methodology, following PRISMA guidelines, to characterize the global secondary literature (PROSPERO registration #: CRD42023417060). In so doing, we identified the proximal, intermediate, distal, and gendered impacts of climate change and ***biodiversity*** ***loss*** on Indigenous health and wellbeing as well as Indigenous-led responses. Five databases were searched for published reviews, along with a grey literature search that focused on underrepresented geographic regions in the academic literature. Two independent reviewers conducted two-stage screening, data extraction, and quality assessment of retrieved records. Basic descriptive statistics were calculated. Qualitative data were analyzed thematically, using a constant comparative approach. A total of 38 review articles met the eligibility criteria and 37 grey literature records were retrieved and included in the review. Reviews were published between 2010-2023 and geographically clustered in the Circumpolar North. Intersecting proximal, intermediate, and distal impacts were characterized as place-based and specific, and linked to colonialism as an antecedent to and driver of these impacts. Gendered impacts were underexplored within reviews. Reviewed literature underscored the value of engaging diverse knowledge systems; platforming localized, community-led adaptation to climate change and ***biodiversity*** ***loss***, while addressing sociopolitical constraints to these efforts; and applying a broader conceptualization of health that aligns with Indigenous frameworks."

According to the news reporters, the research concluded: "Going forward, we must foreground equity- and rights-based considerations within integrated responses to climate and ***biodiversity*** crises."

For more information on this research see: Climate change, ***biodiversity*** ***loss***, and Indigenous Peoples' health and wellbeing: A systematic umbrella review. PLOS Global Public Health, 2024;4(3).

Our news correspondents report that additional information may be obtained by contacting Laura Peach, School of Public Health Sciences, University of Waterloo, Waterloo, Ontario, Canada. Additional authors for this research include Laura Jane Brubacher, Tara Tai-Wen Chen, Sheri Longboat, Warren Dodd, Susan J. Elliott, Kaitlyn Patterson and Hannah Neufeld.

The direct object identifier (DOI) for that additional information is: https://doi.org/10.1371/journal.pgph.0002995. This DOI is a link to an online electronic document that is either free or for purchase, and can be your direct source for a journal article and its citation.

Keywords for this news article include: Waterloo, Canada, North and Central America, ***Biodiversity***, Climate Change, Ecology, Global Warming.

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