

Study identifies prostate cancer-related disparities between Indigenous and non-Indigenous men

July 10 2023



Credit: CC0 Public Domain

Indigenous Peoples in Canada have higher illness rates and lower life expectancies than non-Indigenous Canadians. A new study reveals that

Indigenous men in the country who have prostate cancer are being diagnosed with more advanced and more aggressive tumors than their non-Indigenous counterparts. The findings are published in *Cancer*.

To identify disparities in [prostate cancer screening](#), diagnoses, management, and outcomes between Indigenous and non-Indigenous men in Canada, a team led by Adam Kinnaird, MD, Ph.D., of the University of Alberta, examined data on 1,444,974 men who were screened for prostate cancer in 2014–2022 and were enrolled in the Alberta Prostate Cancer Research Initiative.

When they examined testing rates by postal code, the investigators found that men in Indigenous communities were less likely to have prostate-specific antigen (PSA) tests to detect prostate cancer than men outside of Indigenous communities (32 versus 46 PSA tests per 100 men aged 50–70 years within one year).

Also, among 6,049 men diagnosed with prostate cancer, Indigenous men were more likely to have PSA levels ≥ 10 ng/mL (48% versus 30%), stage II or higher cancer (65% versus 47%), and high-grade tumors (79% versus 64%) than non-Indigenous men. In addition, over a median follow-up of 3.3 years, Indigenous patients were 2.3-times more likely to experience cancer spread, or metastasis, than non-Indigenous patients.

"What is critical about this is that these results come from within a publicly funded universal health care system in which all peoples should have [equal access](#) to care," said Dr. Kinnaird. "The findings are significant because they identify Indigenous men as a population at risk for more aggressive prostate cancer and potentially worse survival. Key infrastructure changes, including better access to primary care physicians, may help improve [prostate cancer](#) screening and identify men at earlier, and curable, stages of the disease."

More information: Alex Kiciak, Disparities in prostate cancer screening, diagnoses, management, and outcomes between Indigenous and non-Indigenous men in a universal healthcare system, *Cancer* (2023). [DOI: 10.1002/cncr.34812](https://doi.org/10.1002/cncr.34812)

Provided by Wiley

Citation: Study identifies prostate cancer-related disparities between Indigenous and non-Indigenous men (2023, July 10) retrieved 29 April 2024 from <https://medicalxpress.com/news/2023-07-prostate-cancer-related-disparities-indigenous-non-indigenous.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.