

Social determinants of health affect racial disparity in prostate cancer mortality

January 13 2023, by Elana Gotkine



When accounting for social determinants of health (SDOH), Black men

with prostate cancer have lower prostate cancer-specific mortality (PCSM) than White men, according to a systematic review and meta-analysis published online Jan. 11 in *JAMA Network Open*.

Randy A. Vince Jr., M.D., from the University Hospitals Seidman Cancer Center at Case Western Reserve University in Cleveland, and colleagues examined the association of SDOH with PCSM and overall survival among Black and White patients. Data were reviewed from 47 studies with 1,019,908 patients (176,028 Black men and 843,880 White men) who were followed for a median of 66.0 months.

The researchers found that for Black versus White men, there was no significant difference in PCSM or overall survival. A significant race-SDOH interaction was seen for both PCSM and overall survival (regression coefficient, -0.041 and -0.017 , respectively). Black patients had significantly higher PCSM than White patients in studies with minimal accounting for SDOH (

Citation: Social determinants of health affect racial disparity in prostate cancer mortality (2023, January 13) retrieved 12 July 2024 from <https://medicalxpress.com/news/2023-01-social-health-affect-racial-disparity.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.