

# Diabetes impacts mortality in breast cancer patients

January 26 2018

---



(HealthDay)—Breast cancer-specific mortality remains higher among

women with diabetes who have longer diabetes duration or preexisting cardiovascular disease, according to a study published online Jan. 19 in *Diabetes Care*.

Iliana C. Lega, M.D., from the University of Toronto, and colleagues used Ontario administrative databases to compare the rate of receipt of [breast](#) cancer treatments between women with and without diabetes.

The researchers found that women with diabetes and stage III breast cancer were slightly less likely to receive chemotherapy (relative risk [RR], 0.93; 95 percent confidence interval [CI], 0.89 to 0.97), although this difference was not significant when adjusting for comorbidities (adjusted hazard ratio [aHR], 1.03; 95 percent CI, 0.93 to 1.13). Similar results were seen for receipt of guideline-adherent radiotherapy (RR, 0.97; 95 percent CI, 0.95 to 0.99; aHR, 0.98; 95 percent CI, 0.94 to 1.02). After adjusting for comorbidities, all-cause mortality was higher in women with diabetes (aHR, 1.16; 95 percent CI, 1.06 to 1.27), but, overall, there was no increase in breast cancer-specific mortality. However, among women with a longer duration of diabetes or preexisting [cardiovascular disease](#) there was increased all-cause and cancer-specific mortality.

"Although cancer treatments received were similar between women with and without diabetes, breast cancer-specific mortality remains higher among women with diabetes who have longer diabetes duration or preexisting cardiovascular disease," the authors write. "This study uncovers new information about key risk factors for poorer prognosis in [women](#) with [diabetes](#) and breast cancer."

**More information:** [Abstract/Full Text \(subscription or payment may be required\)](#)

Copyright © 2018 [HealthDay](#). All rights reserved.

Citation: Diabetes impacts mortality in breast cancer patients (2018, January 26) retrieved 23 June 2024 from

<https://medicalxpress.com/news/2018-01-diabetes-impacts-mortality-breast-cancer.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.