

Detection bias may explain raised bladder CA risk in T2DM

September 17 2013



Early detection bias may explain the pattern of increased bladder cancer risk previously reported in patients with type 2 diabetes, according to a study published online Aug. 29 in *Diabetes Care*.

(HealthDay)—Early detection bias may explain the pattern of increased bladder cancer risk previously reported in patients with type 2 diabetes, according to a study published online Aug. 29 in *Diabetes Care*.

Isabelle N. Colmers, from the University of Alberta in Edmonton, Canada, and colleagues used linked administrative databases (1996 to 2006) to create a cohort of 185,100 adults from British Columbia, Canada, with incident [type 2 diabetes](#), who were age-, sex-, and index date-matched to individuals without [diabetes](#) in a 1:1 ratio. During annual time windows following the index date, the incidence rates and hazard ratios for bladder cancer were calculated.

During a median follow-up of four years, the researchers found that within the study population (54 percent men; average age, 60.7 years) 1,171 new bladder cancer cases were diagnosed. Bladder cancer incidence in the diabetes cohort was 85.3 per 100,000 person-years in the first year after diabetes diagnosis, compared with 66.1 in the control cohort (adjusted hazard ratio, 1.30; $P = 0.03$). The increased bladder cancer risk seen in the first year was limited to those with the fewest physician visits two years prior to the index date (≥ 12 visits, adjusted hazard ratio, 2.14; $P = 0.003$). Type 2 diabetes was not associated with bladder cancer after the first year.

"The results suggest that early detection bias may account for an overestimation in previously reported increased risks of [bladder cancer](#) associated with type 2 diabetes," the authors write.

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

Copyright © 2013 [HealthDay](#). All rights reserved.

Citation: Detection bias may explain raised bladder CA risk in T2DM (2013, September 17) retrieved 20 March 2024 from <https://medicalxpress.com/news/2013-09-bias-bladder-ca-t2dm.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.
