

# Benefit of aggressive prostate CA Tx weakens as comorbidity rises

May 21 2014

---



(HealthDay)—For men with early-stage prostate cancer, the cancer-specific survival benefit associated with aggressive prostate cancer treatment is reduced with increasing comorbidity, according to a study published online May 13 in *Cancer*.

Timothy J. Daskivich, M.D., from the University of California in Los Angeles, and colleagues compared the effectiveness of aggressive versus nonaggressive treatment for reducing cancer-specific [mortality](#) in a cohort of 140,553 men aged  $\geq 66$  years with early-stage [prostate cancer](#). Data for participants, diagnosed between 1991 and 2007, were extracted from the Surveillance, Epidemiology, and End Results-Medicare database.

The researchers found that, among men with Charlson scores of 0, 1, and 2, but not among those with scores of  $\geq 3$ , aggressive treatment

correlated with a reduced risk of cancer-specific mortality (subhazard ratio for Charlson score  $\geq 3$ , 0.85; 95 percent confidence interval, 0.62 to 1.18) in propensity-adjusted competing-risks regression analysis. For men with Charlson scores of 0, 1, 2, and  $\geq 3$ , the absolute reduction in 15-year cancer-specific mortality between men who received aggressive versus nonaggressive treatment was 6.1, 4.3, 3.9, and 0.9 percent, respectively. Aggressive treatment correlated with a lower risk of cancer-specific mortality among men who had well-differentiated and moderately-differentiated tumors with Charlson scores of 0, 1, and 2, but not  $\geq 3$  (subhazard ratio for Charlson score  $\geq 3$ , 1.14; 95 percent confidence interval, 0.70 to 1.89). When considering only well- and moderately-differentiated tumors, the absolute reduction in 15-year cancer-specific mortality was 3.8, 3.0, 1.9, and  $-0.5$  percent for men with Charlson scores of 0, 1, 2, and  $\geq 3$ , respectively.

"The cancer-specific [survival benefit](#) from [aggressive treatment](#) for early-stage prostate cancer diminishes with increasing comorbidity at diagnosis," the authors write.

One author is a cofounder of Wiser Care.

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

Copyright © 2014 [HealthDay](#). All rights reserved.

Citation: Benefit of aggressive prostate CA Tx weakens as comorbidity rises (2014, May 21)  
retrieved 2 May 2024 from  
<https://medicalxpress.com/news/2014-05-benefit-aggressive-prostate-ca-tx.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.
---