

Poor health-related function, diabetes combo ups death risk

March 30 2012



(HealthDay) -- The combination of type 2 diabetes and impaired health-related functioning (HRF) is associated with an increased risk of cardiovascular disease (CVD) mortality, according to a study published online March 23 in *Diabetes Care*.

Emily D. Williams, Ph.D., of Monash University in Melbourne, Australia, and colleagues analyzed data from 11,247 adults (aged ≥ 25 years) from the Australian Diabetes Obesity and Lifestyle (AusDiab) study. Diabetes status was defined using the World Health Organization criteria at baseline (1999 to 2000), and HRF was assessed using the Short Form-36 questionnaire.

After 7.4 years of follow-up, the researchers found that 57 individuals

with diabetes and 105 without diabetes had died from CVD. HRF measures were significant predictors of increased CVD mortality in those with and without diabetes. There was a similar CVD mortality risk among those with diabetes or impaired physical health component summary (PCS) alone (diabetes alone: hazard ratio [HR], 1.4; impaired PCS alone: HR, 1.5). After adjustment for multiple covariates, participants with both diabetes and impaired PCS had a much higher CVD mortality (HR, 2.8) compared with those without diabetes and with normal PCS. Results were similar for the mental health component summary.

"This study demonstrates that the combination of diabetes and impaired HRF is associated with substantially higher CVD mortality," the authors write. "This suggests that, among those with [diabetes](#), impaired HRF is likely to be important in the identification of individuals at increased risk of CVD [mortality](#)."

The AusDiab study was funded by multiple pharmaceutical companies.

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

Copyright © 2012 [HealthDay](#). All rights reserved.

Citation: Poor health-related function, diabetes combo ups death risk (2012, March 30) retrieved 19 April 2024 from
<https://medicalxpress.com/news/2012-03-poor-health-related-function-diabetes-combo.html>

<p>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.</p>
--