

WILEY

A new analysis has found a link between exposure to **Agent Orange** and **lethal forms of prostate cancer** among **US Veterans**

. Published early online in

[CANCER](#)

, a peer-reviewed journal of the American Cancer Society, the findings suggest that Agent Orange exposure history should be incorporated into prostate screening decisions for Veterans.

The herbicide Agent Orange was heavily used during the Vietnam War era and was often contaminated with dioxin, a dangerous toxin and potential carcinogen. Prior research suggests that exposure to Agent Orange may increase men's risk of developing prostate cancer, but it is unclear whether it specifically increases their risk of developing lethal forms of the disease. "This is an important distinction as the majority of prostate cancer cases are non-lethal and thus do not necessarily require detection or therapy. Having a means of specifically detecting life-threatening

cancer would improve the effectiveness of screening and treatment of prostate cancer,” said Mark Garzotto, MD, of the Portland Veterans Administration Medical Center and Oregon Health & Science University.

To look for a link between Agent Orange exposure and life-threatening, or high-grade, prostate cancer, Nathan Ansbaugh, MPH, designed and conducted analyses on a group of 2,720 US Veterans who were referred by multiple providers for initial prostate biopsy. Biopsy results and clinical information were compiled for analysis by principal investigator Dr. Garzotto.

Prostate cancer was diagnosed in 896 (32.9 percent) of the Veterans; 459 (16.9 percent) had high-grade disease. Agent Orange exposure was linked with a 52 percent increase in overall risk of prostate cancer detection by biopsy. Exposure to the herbicide did not confer an increase in risk of

low-grade prostate cancer, but it was linked with a 75 percent increase in risk of high-grade prostate cancer. In addition, Agent Orange exposure was associated with more than a two-fold increase in the highest-grade, most lethal cancers.

This study indicates that determining men's Agent Orange exposure status is a readily identifiable means of improving prostate cancer screening for US Veterans, allowing for earlier detection and treatment of lethal cases and potentially prolonging survival and improving quality of life. "It also should raise awareness about potential harms of chemical contaminants in biologic agents used in warfare and the risks associated with waste handling and other chemical processes that generate dioxin or dioxin-related compounds," said Dr. Garzotto.

Agent Orange Exposure Linked to Life-Threatening Prostate Cancer

Écrit par Wiley
Lundi, 13 Mai 2013 19:34 -
