

Hispanic women less likely to survive endometrial uterine cancer

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Dr. Ana Rodriguez of the University of Texas Medical Branch at Galveston. Credit: Courtesy University of Texas Medical Branch at Galveston

In the largest study to date evaluating outcomes of Hispanic women with endometrial uterine cancer, researchers at the University of Texas Medical Branch at Galveston have found that Hispanic women in the United States were significantly less likely to survive the cancer than non-Hispanic white women.

A total of 69,764 [women](#) diagnosed with [endometrial cancer](#) between 2000 and 2010 were included in this study of public-use data from the National Cancer Institute's Surveillance, Epidemiology, and End Results Program. The study is available online in the December issue of *Gynecologic Oncology*.

According to Dr. Ana M. Rodriguez, assistant professor of obstetrics and gynecology at UTMB and lead author, the purpose of the study was to determine whether demographic factors, tumor characteristics, and treatment influence the endometrial [cancer](#)-specific survival of Hispanic women compared with non-Hispanic white women.

Results can be generalized to the entire U.S. population.

Endometrial cancer is the most common malignancy of the female reproductive organs. It begins in the cellular lining, the endometrium, of the uterus.

"Most research to date has focused on comparisons of white and black women with endometrial cancer" Rodriguez said, noting that very few studies have examined the age distribution, disease presentation, and endometrial cancer outcomes among Hispanic women.

"While the incidence of endometrial cancer is higher in non-Hispanic [white women](#), we found that minority patients tend to be diagnosed with more aggressive cancer. Early detection is vital to improving endometrial cancer survival as most of the disparity was due to the progression of the disease," she said. "Increased efforts are needed to improve education and increase access to early care for Hispanic women."

Currently there is no screening test for endometrial cancer like there is for cervical cancer (the Pap smear). Endometrial cancer diagnosis is usually the result of a woman's coming to her doctor with symptoms like unusual bleeding or discharge. Endometrial tissue sample biopsy is then usually performed to test for cancer.

The UTMB research suggests that Hispanic women don't seek medical attention promptly upon experiencing symptoms, thus allowing the cancer to progress to a more deadly stage instead of addressing it early.

In their analysis, researchers found that U.S.-born, foreign-born, and birthplace-unknown Hispanics presented with the disease at a younger age (under 50 years) compared to non-Hispanic whites. The data also suggested that a higher percentage of

Hispanic women had late stage disease (stage 3 or 4) and more aggressive cancer cells compared to non-Hispanic whites.

The survival curves showed that Hispanic ethnicity, whether a woman is U.S.- or foreign-born, is associated with less favorable outcomes than being non-Hispanic white.

The National Cancer Institute's SEER Program includes 18 population-based cancer registries covering approximately 28 percent of the U.S. population. This study was supported by the Comparative Effectiveness Research on Cancer in Texas Project. CERCIT is part of a new area of research that examines cancer care practices that lead to both good and poor health outcomes and identifies gaps in services for different populations.

Provided by University of Texas Medical Branch at Galveston

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