

Prostate Cancer in Florida, 2010

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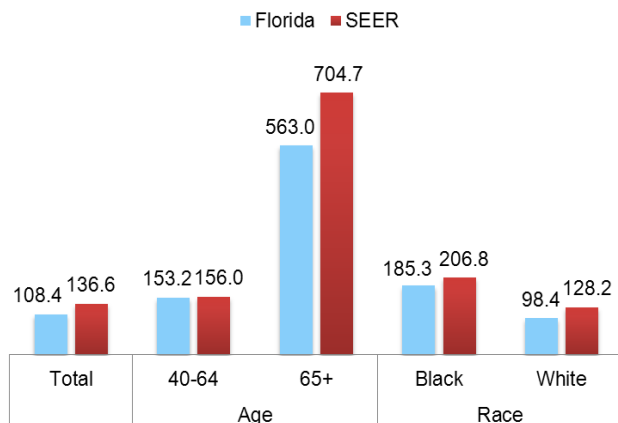
Prostate cancer forms in the tissues of the prostate, which is a gland in the male reproductive system found below the bladder and in front of the rectum. Risk factors that are associated with prostate cancer include: older age (rates increase exponentially after 50 years of age), family history, black race, dietary factors such as a high dietary intake of animal fat, dairy products, and calcium, and excessive use of multivitamins.

This report presents incidence data on prostate cancer obtained from the Florida Cancer Data System (FCDS), and mortality data from Florida Department of Health Office of Vital Statistics. The Florida data are compared with data from the Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute (NCI). The U.S. mortality data reported by SEER are provided by the National Center for Health Statistics (NCHS). Prostate cancer screening data are obtained from the 2010 Florida Behavioral Risk Factor Surveillance System (BRFSS) survey.

Incidence

- In 2010, 13,460 new prostate cancer cases were diagnosed among males in Florida.
- The Florida age-adjusted incidence rate per 100,000 males was 108.4, which was lower than the SEER rate of 136.6 (Figure 1).

Figure 1: Florida vs. SEER Incidence Rates (per 100,000) by Age and Race, 2010

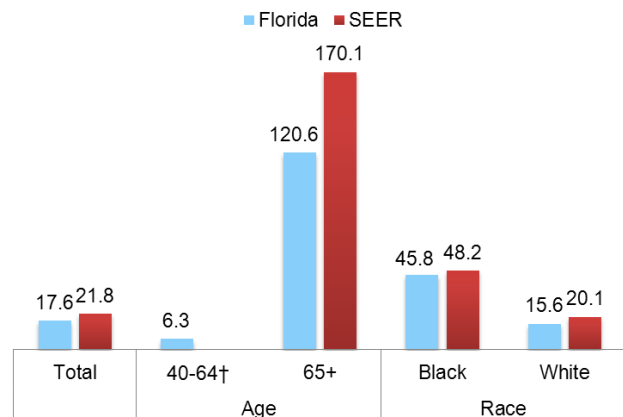


- In 2010, the Florida incidence rate was higher among males 65 years of age and older compared to males less than 65 years of age (Figure 1).
- In 2010, the Florida incidence rate for blacks was 1.9 times the incidence rate for whites (Figure 1).
- The incidence rates among both race groups in Florida were lower than the SEER rates (Figure 1).

Mortality

- In 2010, 2,043 males died of prostate cancer in Florida.
- The Florida age-adjusted mortality rate per 100,000 males was 17.6, which was lower than the U.S. rate of 21.8 (Figure 2).

Figure 2: 2010 Florida vs. 2006-2010 SEER Mortality Rates (per 100,000) by Age and Race

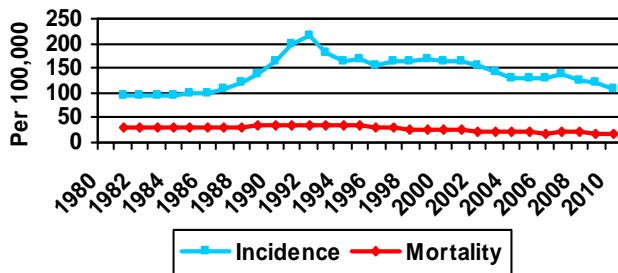


- In 2010, the Florida mortality rate was higher among males 65 years of age and older compared to males less than 65 years of age (Figure 2).
- In 2010, the Florida mortality rate for blacks was 2.9 times the incidence rate for whites (Figure 2).
- The mortality rates among both races in Florida were lower than the U.S. rates (Figure 1).

Florida Trends in Incidence and Mortality

- The 2010 incidence rate (108.4 per 100,000) was 15% higher than the rate in 1981 (94.0 per 100,000; Figure 3).
- The 2010 mortality rate (17.6 per 100,000) was 42% lower than the rate in 1981 (30.2 per 100,000; Figure 3).

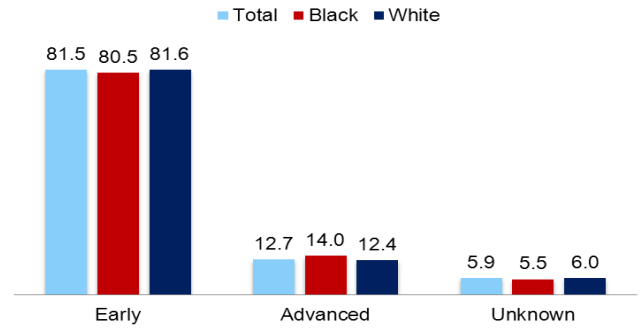
Figure 3: Age-Adjusted Incidence and Mortality Rates of Prostate Cancer, Florida, 1981-2010



Stage at Diagnosis

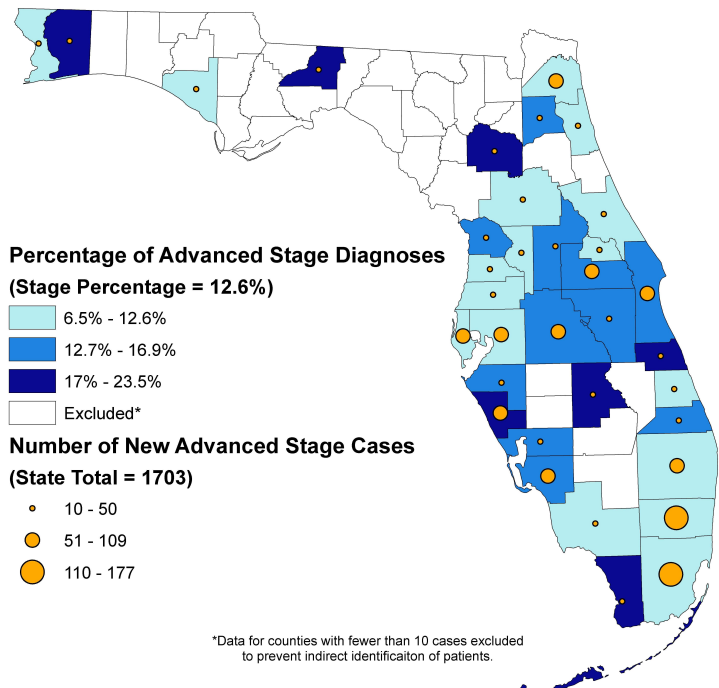
- Early-stage cancer is defined in this report as cancer that is localized to one part or organ of the body. Advanced-stage cancer is defined as cancer that has spread to other organs or throughout the body beyond the organ of cancer origin.
- Of all prostate cancer cases, 81.5% were diagnosed at an early stage, 12.7% were diagnosed at an advanced stage, and 5.9% were reported without stage information (Figure 4).
- The percentage of cases with an advanced-stage diagnosis was greater among blacks compared to whites (Figure 4).
- The percentage of cases with an advanced-stage diagnosis was 48% lower in 2010 (12.7%) compared to 1981 (24.5%).

Figure 4: Percentage of Prostate Cancer by Stage at Diagnosis, Florida, 2010



- In 2010, more than 17% of men diagnosed with advanced stage prostate cancer were reported from seven of 67 Florida counties (Figure 5).
- In 2010, Miami-Dade (177) and Broward (134) counties had the greatest number of new late stage cases (Figure 5).

Figure 5: Diagnosis of Prostate Cancer and New Cases, Advanced Stage, Florida, 2010



For additional information on this report, please contact the Florida Department of Health, Bureau of Epidemiology at 850.245.4401 or visit our website at: <http://www.FloridasHealth.com/diseases-and-conditions/cancer/index.html>