

'Prostate Inc & Mort by County & Race-Ethnicity.xlsx' Insights:

Incidence:

Overall – In South Carolina from 2016 through 2020, 18,293 men were diagnosed with prostate cancer (109.8 men per 100,000 males). When breaking the population down by race & ethnicity, a disparity can be seen between non-Hispanic White males' rate (95.0 cases per 100,000 population) and non-Hispanic Black males' rate (160.7 cases per 100,000 population). The rate of new prostate cancer cases in non-Hispanic Black males was approximately 1.70 times the rate of non-Hispanic White males.

Counties – Williamsburg County had the highest rate of new cases of prostate cancer (177.6 cases per 100,000 population; approximately 1.62 times the state rate) compared to other counties in the state. Within Williamsburg County, the disparity between non-Hispanic Black males' rate and non-Hispanic White males' rate was exacerbated (non-Hispanic Black males' rate of new cases was approximately 2.37 times higher than Non-Hispanic White males).

Mortality:

Overall - In South Carolina from 2016 through 2020, 2,787 men died from prostate cancer (20.8 men per 100,000 males' death rate). When breaking the population down by race & ethnicity, a massive disparity was seen between non-Hispanic White males' rate (17.0 deaths per 100,000 population) and non-Hispanic Black males' rate (39.0 deaths per 100,000 population). Non-Hispanic Black males' prostate cancer death rate was approximately 2.29 times the death rate of Non-Hispanic White males.

Counties – Colleton County had the highest death rate from prostate cancer (34.9 deaths per 100,000 population; approximately 1.68 times the state rate) compared to other counties in the state. It is concerning that Colleton County had the highest death rate from prostate cancer of any county in South Carolina (1st out of 46) despite being 21st out of 46 in prostate cancer new case diagnosis rate. This may indicate that those diagnosed with prostate cancer in Colleton County have a much lower chance of survival than those living in other South Carolina counties. Additionally, the death rate in Colleton County among Non-Hispanic Black males was 68.3 per 100,000 population (1.78 times Non-Hispanic Black males' state death rate).