

# AUA VIRTUAL EXPERIENCE



# A 17-Gene Genomic Assay as a Predictor of Outcomes in African Americans with Prostate Cancer

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# **Study Overview**

Adoption of prognostic molecular assays for prostate cancer requires evidence of robust performance in different racial groups, especially in African Americans.

**Objective:** Assess the performance of Oncotype DX Genomic Prostate Score<sup>®</sup> (GPS™) test in African American and Caucasian American men.

**Methods:** Retrospective analysis of GPS results and gene group scores in biopsies from 201 African American and 1144 Caucasian American men across 6 independent study cohorts. Adverse pathology (AP) and biochemical recurrence (BCR) outcome data collected in 4 cohorts from patients treated by radical prostatectomy.

#### **AP Outcomes**

Cleveland Clinic (CC)
University of California, San Fran. (UCSF)
Center Prostate Cancer Disease Res (CPDR)\*

#### **BCR Outcomes**

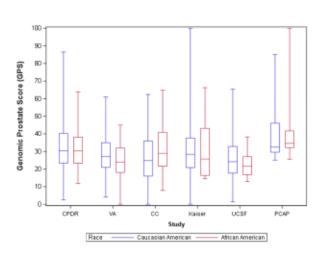
Kaiser Permanente N. California (KPNC) Center Prostate Cancer Disease Res (CPDR)\*

#### No Outcomes

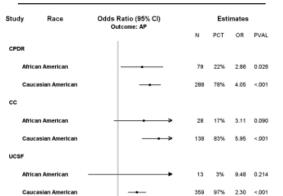
Veterans Healthcare Administration (VA)
North California-Louisiana Prostate Cancer
Project (PCaP)

## AUA VIRTUAL EXPERIENCE

GPS assay is similarly predictive of outcomes in African American and Caucasian American men with prostate cancer

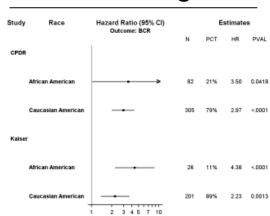






2 3 5 7 10

### **GPS Predicting BCR**



Distribution of GPS results is similar between racial groups.

GPS test was predictive of AP and BCR in both racial groups on univariable analyses.