Scope & Content of an Epidemiological Profile of African-American Prostate Cancer Survivors

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Introduction

- African American men in the United States are disproportionately burdened by prostate cancer.
- It is estimated that 1 in 5 African-American men will be diagnosed with prostate cancer in their lifetime.
- African Americans have a 60% higher incidence rate and are 2.4 times more likely to die from prostate cancer.
- Previous studies of prostate cancer survivors rarely include a representative sample, one that is truly generalized and that mirrors the population of society as a whole.
- This study will look at how minorities that are affected by prostate cancer can become more informed and be active in making decisions within the context of a supportive community that can possible lead to improved quality of life and enhanced possibility of survivorship.

Goals, Objectives, and Aims

- To create a unique prostate cancer registry that will capture the African-American survivor’s epidemiological profile, clinical disease information and data regarding their experiences throughout the prostate cancer continuum.
- Providing a better understanding of how a survey could be adapted to create an effective registry of African-American patients and survivors affected by prostate cancer.
- Fueling greater understanding of the social and emotional needs of minority prostate cancer survivors.
- Leveraging findings and positively impacting prostate cancer care by developing resources that will help improve long-term quality care.
- Ensure that relevant audiences receive new information and best practices for addressing the health needs of prostate cancer survivors to guide the development of educational tools and outreach efforts.

Methodology

- Inclusion Criteria:
  - Male
  - over the age of 18
  - African-American or minority ethnicity
  - Received a prostate cancer diagnosis, whether recently diagnosed, in treatment, or years post-treatment.
- The registry will be accessible online on CCRTD’s webpage: www.pcregistry.cau.edu
- Survivors can create a personal account to add a profile to further discuss their cancer experience.
- Recruitment via:
  - Georgia Prostate Cancer Coalition
  - WCLK 91.9 Jazz FM
  - CAU-TV
  - Community Outreach Activities
  - Social Media Outlets
  - Print Media
  - In-Person Recruitment
  - Website Literature

Results-Demographics

Table 1. Demographics of current registry survivors (n=27)

<table>
<thead>
<tr>
<th>Demographic</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean Age (Mean ± SD)</td>
<td>64.89 ± 9.84</td>
<td></td>
</tr>
<tr>
<td>Racial/Ethnic Background</td>
<td></td>
<td></td>
</tr>
<tr>
<td>White or Caucasian</td>
<td>5 (19%)</td>
<td></td>
</tr>
<tr>
<td>Black or African-American</td>
<td>22 (81%)</td>
<td></td>
</tr>
<tr>
<td>Region Breakdown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Southeast - AL, AR, FL, GA, KY, IA, MS, NC, SC, TN, VA, WV</td>
<td>26 (96%)</td>
<td></td>
</tr>
<tr>
<td>Northeast - CT, DC, DE, MA, MD, ME, NH, NJ, NY, PA, RI, VT</td>
<td>2 (4%)</td>
<td></td>
</tr>
<tr>
<td>Health Insurance when Diagnosed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>26 (96%)</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>1 (4%)</td>
<td></td>
</tr>
<tr>
<td>Prostate Cancer found due to Screening</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>20 (74%)</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>7 (26%)</td>
<td></td>
</tr>
</tbody>
</table>

Analysis

- IBM SPSS Statistical software version 19.0
- Repeated Measures Analysis of Variance
- Multivariate and/or Univariate analysis of variance
- Ninety-five percent confidence intervals (95% CI)
- The significance will be set at P<0.05

Next Steps

- Recruitment of participants is still on going for this pilot project
- Collection of data
- Results of this evaluation will be used to:
  - Identify materials and approaches to improved cancer survivor care that appear to have a major impact
  - Provide insight that will enable researchers to take the lead in driving prostate cancer recommendations for minority populations
  - Publications will be prepared for submission to interdisciplinary journals
  - Create presentations that the investigators will carry out at local, state and national meeting
  - Disseminate an annual report to highlight the findings of the registry

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