

# Mind the Gap

While all men are at risk for prostate cancer, there are disproportionate gaps in treatment, research, clinical trials and mortality rates among African American men that need to be recognized and can be addressed with the aid of AI

## All men are at risk of prostate cancer



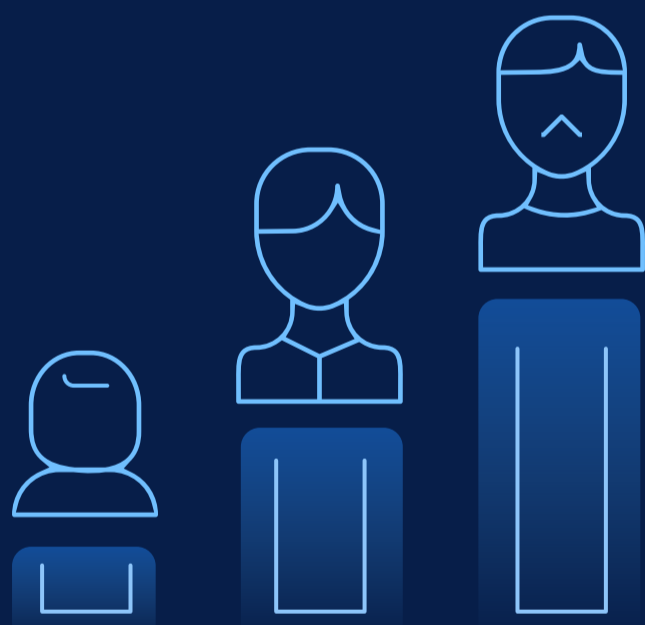
13 out of 100

American men will get prostate cancer



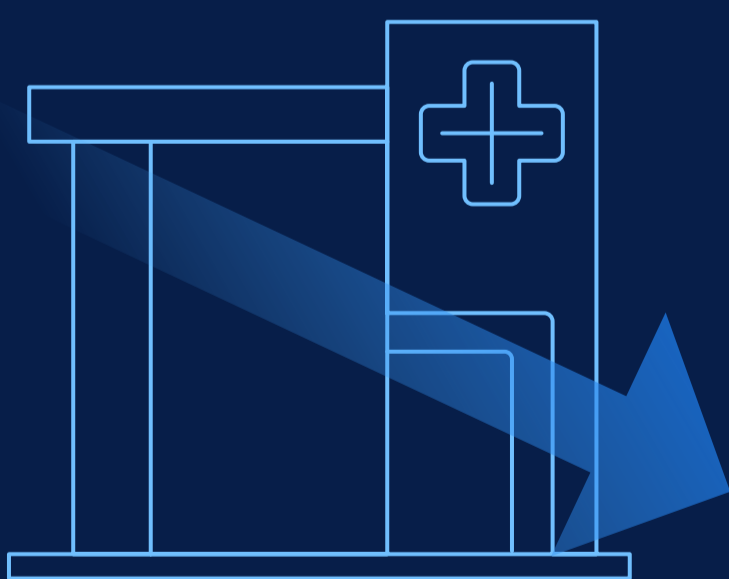
Up to 3

of these men will die from the disease



The most common risk factor for prostate cancer is age

The older the man, the greater the risk<sup>1</sup>

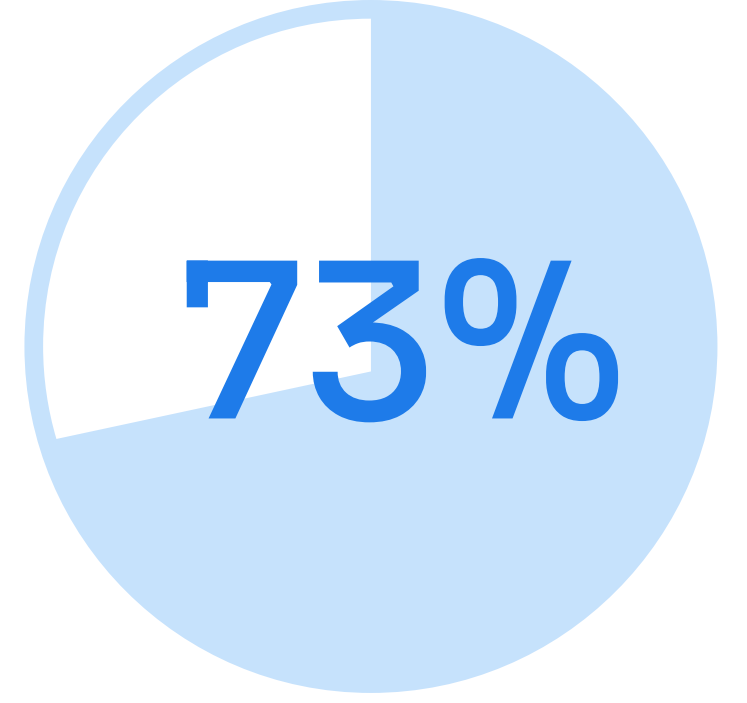


Prostate cancer screenings have steadily decreased over the past few years with a drop from from 39.5% to 36.3% during the pandemic<sup>2</sup>

However, not all men have the same mortality rate for prostate cancer - Mind the Gap

Prostate cancer is the most common cancer type in African American men<sup>3</sup>

African American men have a 73% greater risk of prostate cancer and are more than twice as likely to die from prostate cancer compared to White men<sup>3</sup>



37% of new cancer diagnoses in African American men is prostate cancer<sup>3</sup>



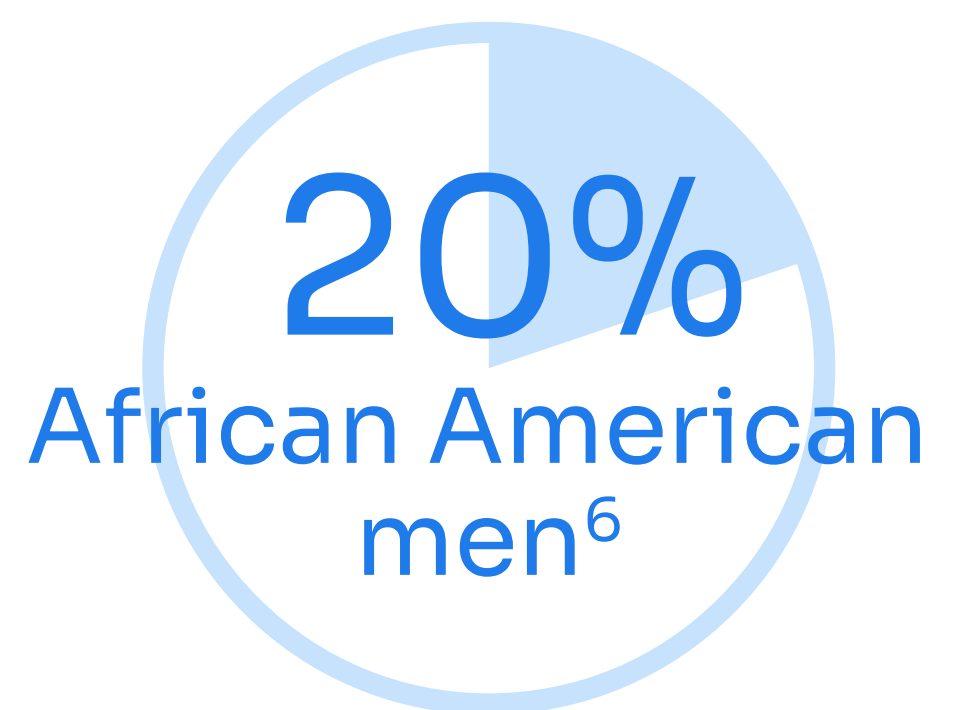
9.4% of participants in clinical trials relating to prostate cancer are African American men<sup>5</sup>

African American men are underrepresented across many areas of public health research<sup>4</sup>



ArteraAI's multimodal AI (MMAI) models perform similarly between African American and non-African American men groups<sup>6</sup>

ArteraAI's MMAI models were developed with cohorts that consisted of about



Learn more about how AI can improve cancer care at:  
[artera.ai](https://artera.ai)

Sources:

[1] Center for Disease Control and Prevention. (2023, July 17). Who Is at Risk for Prostate Cancer? CDC Prostate Cancer Basic Information.

[https://www.cdc.gov/cancer/prostate/basic\\_info/risk\\_factors.htm#:~:text=Out%20of%20every%20100%20American,increased%20risk%20for%20prostate%20cancer](https://www.cdc.gov/cancer/prostate/basic_info/risk_factors.htm#:~:text=Out%20of%20every%20100%20American,increased%20risk%20for%20prostate%20cancer)

[2] Cancer Screening in the United States During the Second Year of the COVID-19 Pandemic Jessica Star, Priti Bandi, Rebecca L. Siegel, Xuesong Han, Adair Minihan, Robert A. Smith, and Ahmedin Jemal Journal of Clinical Oncology 2023 41:27, 4352-4359

[3] American Association for Cancer Research. (2022, December). The State of Cancer Health Disparities in 2022. AACR Cancer Disparities Progress Report 2022. <https://cancerprogressreport.aacr.org/disparities/cdpr22-contents/cdpr22-the-state-of-cancer-health-disparities-in-2022/>

[4] American Association for Cancer Research. (2019, November 22). Commercial Prognostic Tests for Prostate Cancer May Not Be Accurate in African American Men [Press Release].

<https://www.aacr.org/about-the-aacr/newsroom/news-releases/commercial-prognostic-tests-for-prostate-cancer-may-not-be-accurate-in-african-american-men/>

[5] Saltzman, R., Zucker, I., Campbell, K., Gandhi, D., Otiono, K., Weber, A., Masterson, T., Ramasamy, R. (2022, August 28). An evaluation of race-based representation among men participating in clinical trials for prostate cancer and erectile dysfunction. National Library of Medicine.

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[6] Roach, M., Zhang, J., Esteva, A., Mohamad, O., Van der Wal, D., Simko, J. (2022, June 2). Prostate cancer risk in African American men evaluated via digital histopathology multi-modal deep learning models developed on NRG Oncology phase III clinical trials. Journal of Clinical Oncology. [https://ascopubs.org/doi/abs/10.1200/JCO.2022.40.16\\_suppl.108](https://ascopubs.org/doi/abs/10.1200/JCO.2022.40.16_suppl.108)