

# Eye Cancer Prevalence Among African Americans

Jackson Collins and Kyree Roberts

UMB CURE Scholars Program - Seventh Grade Cohort 1, Southwest Baltimore Charter School and Green Street Academy, Baltimore, MD  
Marlene and Stewart Greenebaum Cancer Center, University of Maryland, Baltimore

## Purpose of Study

To examine the disparity in the prevalence of eye cancer in African Americans.

## Background Information

- The eyeball has 3 main layers
- The orbit consists of the tissues surrounding the eyeball
- Two types of cancer can be found in the eye-primary and secondary intraocular cancers
- 3,000 people will be diagnosed with eye cancer in 2017
- 330 people will die from eye cancer in 2017

## Prevention and Screening

- Limiting exposure to sunlight
- Wearing sunglasses
- HIV infection may increase risk for eye lymphoma

## Symptoms

- Shadows and flashes of light
- Dark patch in your eye
- Partial or total loss of vision
- Bulging of one eye

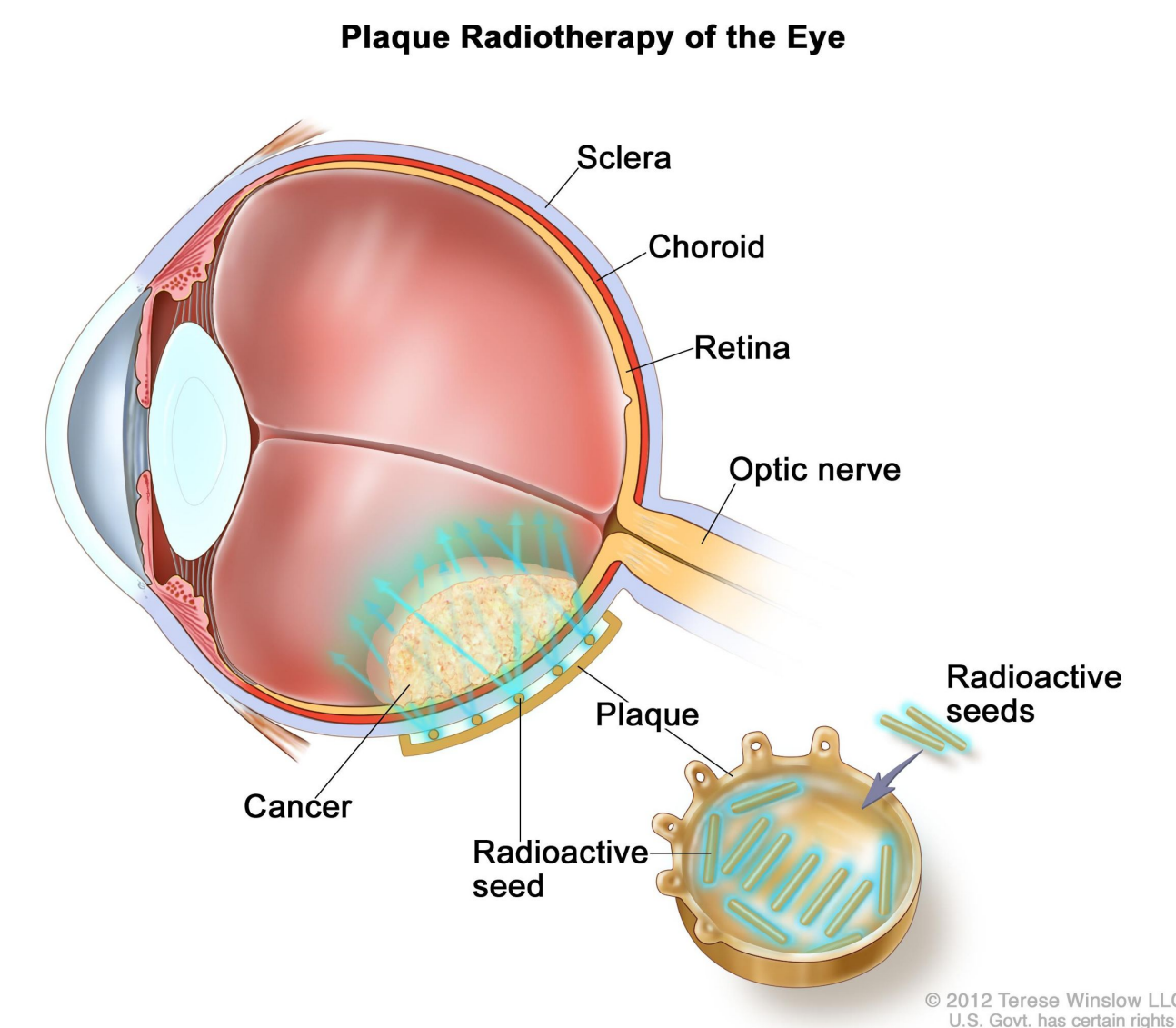


Figure 1. Location of eye cancer (cdc.gov)

## Treatment

- Surgery
- Chemotherapy
- Radiation (used less often)
- Best approach combines two treatments

## Factors Influencing Disparity

- Lack of access to quality healthcare
- Poverty
- Stress
- Exposure to environmental toxins

## Data

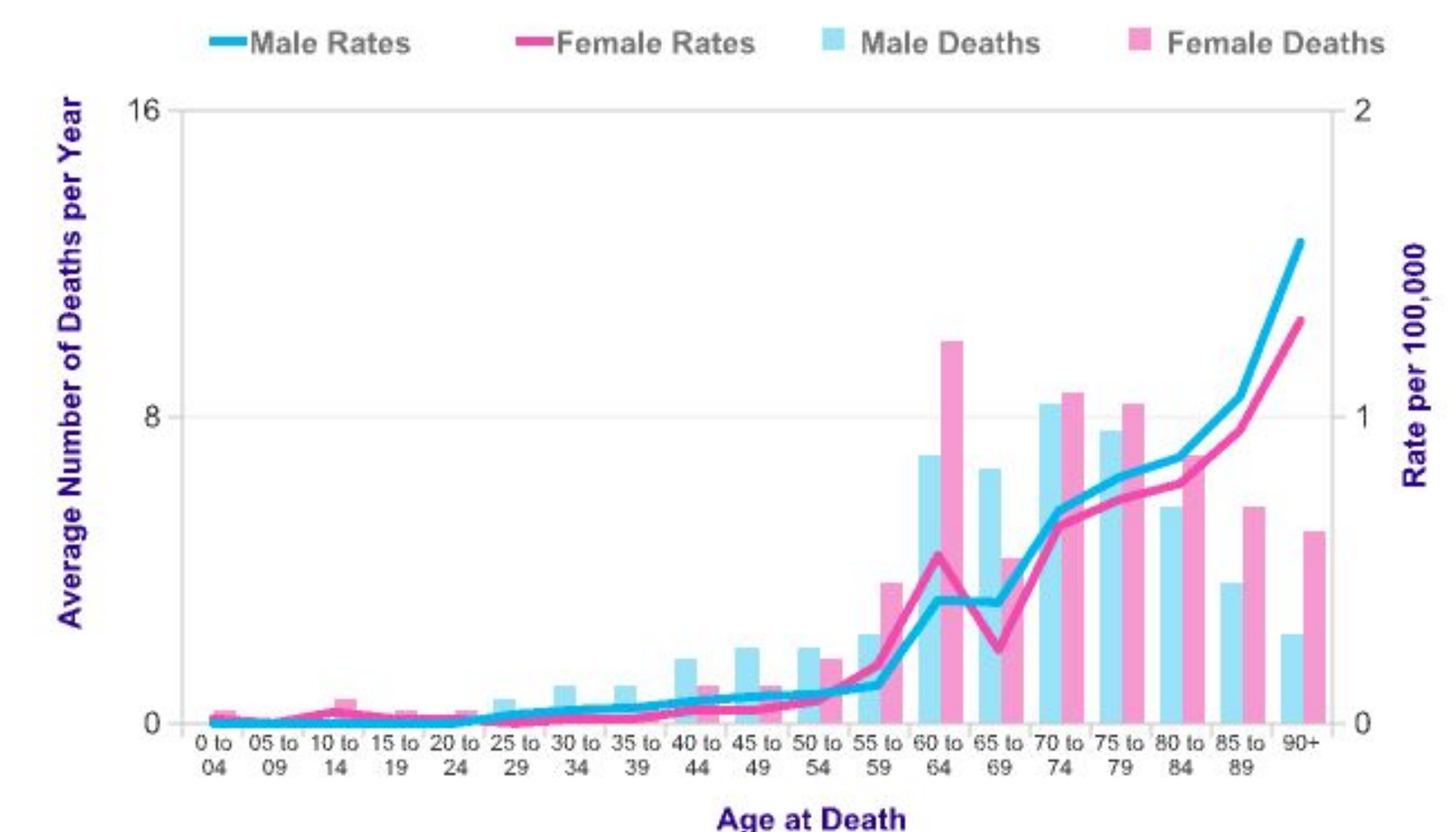


Figure 2. Eye cancer mortality rates

## Addressing the Disparity

- Educate UMB CURE Scholars.
- Educate families.
- Educate community.
- Become healthcare providers.
- Become cancer researchers.

## References

1. Centers for Disease Control and Prevention
2. National Cancer Institute
3. National Institute of Health