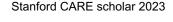
Mortality Trends of Glioma in Disaggregated Asian-American (AA) subgroups (SEER 2005-2020)

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Results

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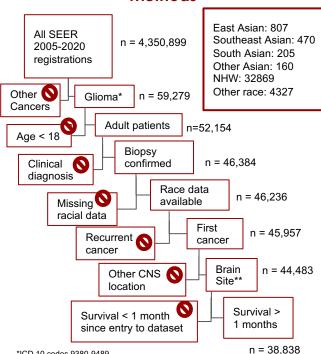


survival rate around 5%

Introduction

- Gliomas are the most common primary tumor in the brain Grade IV glioma (Glioblastoma) has a devastating 5-year
- There is a lack of glioma prevalence and mortality data among AA subgroups
- We conducted a retrospective cohort study to investigate the trends of brain cancer mortality in disaggregated AA subgroups

Methods



High Grade Glioma Low Grade Glioma Distribution of Glioma Grade in Asian subgroups

South

Asian

Southeast Non-Hispanic

White

Asian

Other

Asian

East

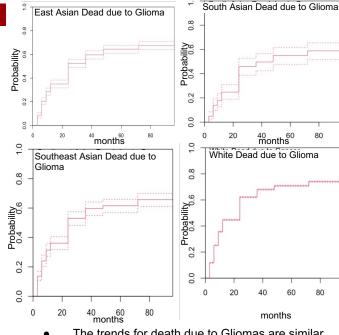
Asia

0.5

- shown in the figure above The distribution of high grade glioma varies significantly amongst different asian subgroups.
 - Other Asian had a significantly lower portion of high grade glioma.

In our multivariate logistic regression model

- Being South Asian (p = 0.02) and Southeast Asian (p = 0.033) are significantly associated with higher glioma grading compared to NHW.
- The survival probability of individuals with glioma of different Asian subgroups groups varied significantly over time, after adjusting for age and sex.
- Cumulative incidence of being "Alive" or "Dead due to Cancer" significantly varies across the different racial groups.



- The trends for death due to Gliomas are similar for the first 8 months for all groups
- South Asian should a significantly lower probability of death over time over 8 months, compared with other groups.

Conclusions

- Asians are often treated as one racial group in cancer epidemiology studies
- However, there are significant differences in diagnosis and prognosis amongst AA subgroups

Reference



*ICD 10 codes 9380-9489 **Brain Site ICD site hist WHO 2008 Standard