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Background

- Asian Americans living with undiagnosed HIV is estimated to be around 19.6%
- Asian Americans have similar rates of HIV infections to Non-Hispanic Whites (NHW) (CDC, 2015)
- Only few studies that study predictors of HIV testing among the Asian American populations (Lee and Zhou, 2018)
- HIV testing = early diagnosis = reduce medical cost = longer life expectancy (Lo et al., 2018)

Objective: To estimate the association between HIV testing and demographic, socioeconomic and health-related factors in both White and Asian populations.

Methods

Study Design: Observational, cross-sectional study

National Health Interview Survey (2006-2018)

Non-Hispanic Whites (n=197,855)

Asian (n=15,616)

Multivariate Log Binomial Regression

Race Analysis controlling for covariates

Subset analysis on sexual orientation data

Results

Fig. 1 Adjusted factors associated with HIV testing among NHW and Asians. Colors correspond to factor type: Red (Demographic), Green (Socioeconomic), Blue (Health).

Fig. 2 Sensitivity Analysis on Sexual Orientation between Non-Hispanic Whites (blue) and Asians (red).

Limitations/Next Steps

- Sexual orientation data is limited to 2013-2018
- Low counts of Asians in respect to NHW
- Language Barrier to Survey

Next Steps

- Analysis HIV testing predictors for Asian subgroups
- Annual trends of HIV testing

Discussion

<table>
<thead>
<tr>
<th>Race</th>
<th>Strongest Predictors of HIV Testing</th>
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<tbody>
<tr>
<td>White</td>
<td>Female, Age 27-49, Nativity (= 10 years), Married, Western Region, Better Health Status, Better Education, Healthcare Worker, Private Insurance, 4+ Doctors Visits, Lesbian or Gay</td>
</tr>
<tr>
<td>Asian</td>
<td>Female, Age 27-49, Southern Region, Better Education, Healthcare Worker, Private Insurance, 4+ Doctors Visits</td>
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References/Acknowledgement

Tab. 1 Number/Percentage of HIV Testing between Asian and NHW

<table>
<thead>
<tr>
<th>HIV Tested</th>
<th>White</th>
<th>Asian</th>
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<tbody>
<tr>
<td>No</td>
<td>127566 (64.5%)</td>
<td>10179 (65.2%)</td>
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<tr>
<td>Yes</td>
<td>70289 (35.5%)</td>
<td>5437 (34.8%)</td>
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