Prevalence of Asthma and its Associated Factors in California Children of Asian American Descent

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Background

- Asthma is the most common chronic disease in children
- Limited existing research literature on asthma prevalence for Asian Americans as a whole, much less specific Asian American ethnic subpopulations
- May be differences in prevalence due to sociocultural factors, which vary greatly between Asian American subgroups

Methods

- Exclusion of all adults and all races besides Non-Hispanic White and Asian
- CHIS Teen + Children Data
- Stratify by all-children covariates
- Exclusion of all children below age 12
- Stratify by teen-only covariates
- Examine unweighted distribution of study characteristics

Unweighted Results

Key Findings:

- Race: Among Asian Americans, Filipino Americans have the greatest asthma risk; Korean Americans and Southeast Asian Americans have the lowest
- Sex: males generally have a greater asthma prevalence
- Nativity: US-born Asian Americans have a slightly greater asthma prevalence compared to foreign-born Asian Americans, but it varies by race
- Year: asthma prevalence is lower in 2020 than in 2011 for all races except Other Asians and Southeast Asians

Limitations:

- Non-Hispanic Whites far outnumber Asian Americans
- Asian Americans, though oversampled, are still small in numbers in the survey
- CHIS did not stratify “Other Asians/2+ Asian Types” into distinct categories

Future Directions:

- Introduce asthma-reduction interventions targeted at Filipino Americans, Other Asian Americans, male Asian Americans, and Asian Americans in poverty
- Collect data with a greater Asian American sample size to improve the external validity of the findings

Learn More:

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