Leading Causes of Death for Filipino Americans Compared to Non-Hispanic White Americans (2010-2020)

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Background
Filipino Americans:
- 3rd largest Asian subgroup in the U.S.
- Disproportionately affected by chronic disease - Filipino American men have the highest prevalence of diabetes among US ethnic groups and non-Hispanic Whites
- Highest prevalence of obesity, high blood pressure, diabetes, asthma
- Last mortality paper was done in 2009 but population has changed

Objective:
Investigate leading causes of mortality in FAs from 2010-2020 in comparison to NHW populations, comparing mortality rates and percentages by race, sex, and nativity (whether they were born in the US)

Exclusion of: Unknown cause of death, all races besides NHW and Filipino American

10 Leading Causes of Death in Filipino Americans

<table>
<thead>
<tr>
<th>Rank in Filipino</th>
<th>Rank in NHW</th>
<th>Cause</th>
<th>% of Filipino Deaths (N)</th>
<th>% of NHW Deaths (N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Cancer</td>
<td>25.98 (34091)</td>
<td>21.77 (5104286)</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>Ischemic Heart Disease</td>
<td>14.62 (19183)</td>
<td>13.80 (3235785)</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>Cerebrovascular Disease</td>
<td>7.95 (10437)</td>
<td>4.99 (1168959)</td>
</tr>
<tr>
<td>4</td>
<td>6</td>
<td>Diabetes</td>
<td>4.82 (6326)</td>
<td>2.53 (592109)</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td>Hypertension</td>
<td>3.85 (5057)</td>
<td>2.70 (633072)</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>Flu and Pneumonia</td>
<td>2.89 (3746)</td>
<td>1.98 (463491)</td>
</tr>
<tr>
<td>7</td>
<td>4</td>
<td>Alzheimer’s</td>
<td>2.71 (3558)</td>
<td>4.17 (978657)</td>
</tr>
<tr>
<td>8</td>
<td>9</td>
<td>Nephritis, Nephrotic Syndrome, and Nephrosis</td>
<td>2.54 (3337)</td>
<td>1.63 (384068)</td>
</tr>
<tr>
<td>9</td>
<td>8</td>
<td>Suicide</td>
<td>1.18 (1554)</td>
<td>1.67 (392336)</td>
</tr>
<tr>
<td>10</td>
<td>11</td>
<td>Motor Vehicle Accidents</td>
<td>1.04 (1359)</td>
<td>1.19 (278351)</td>
</tr>
</tbody>
</table>

Methods
Counts of Leading Causes
Estimated Population Counts
Crude Mortality Rates
Adjusted Mortality Rates
Exclusion of: Unknown cause of death, all races besides NHW and Filipino American
Stratification by: Race, Age Group, Nativity, Sex

Results

Non-US Born Filipino Americans showed >1.5x risk for Cerebrovascular Disease, Diabetes, and Flu and Pneumonia than US-Born Filipino Americans

Adjusted Mortality Rates by Race, Sex, and Birthplace

Discussion

Key Findings:
- Native Filipino Americans a 2x rate of Suicide compared to the general population
- Non-Native Filipino Americans (especially men) had 1.5x risk of Diabetes, 1.7x risk of Cerebrovascular Disease, and 1.5x risk Flu and Pneumonia compared to Native Filipino Americans

Limitations:
- ACS is a population sampling data with some error
- Multi-racial people were excluded from the study
- Potential misclassification of causes of death

Conclusion:
- Greater mental health resources may be needed to address higher rates of suicide among Native Filipino American males
- Public health interventions may be needed to address lifestyle-related diseases among Filipinos born outside of the US

Next Steps:
- Compare Filipino American data to Filipino national database to see if numbers are comparable or if US cultural factors have an influence
- Transition to more specific causes of death using ICD10 codes

References

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