PRESENTATION OUTLINE

1. INTRODUCTION
2. FATALITY ANALYSIS BASED ON ALCOHOL USE
3. FATALITY ANALYSIS BASED ON SPEEDING
4. FATALITY ANALYSIS BASED ON NON-USAGE OF RESTRAINT
5. MAJOR FINDINGS
6. RECOMMENDATIONS
INTRODUCTION
<table>
<thead>
<tr>
<th>Year</th>
<th>Total Population</th>
<th>NH Population</th>
<th>VMT (Million)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>1,315,675</td>
<td>253,283</td>
<td>10,260</td>
</tr>
<tr>
<td>2008</td>
<td>1,332,213</td>
<td>242,423</td>
<td>10,189</td>
</tr>
<tr>
<td>2009</td>
<td>1,346,717</td>
<td>259,866</td>
<td>10,095</td>
</tr>
<tr>
<td>2010</td>
<td>1,363,950</td>
<td>275,721</td>
<td>10,111</td>
</tr>
<tr>
<td>2011</td>
<td>1,378,251</td>
<td>296,383</td>
<td>10,654</td>
</tr>
<tr>
<td>2012</td>
<td>1,392,766</td>
<td>296,592</td>
<td>11,518</td>
</tr>
<tr>
<td>2013</td>
<td>1,419,561</td>
<td>298,385</td>
<td>12,078</td>
</tr>
<tr>
<td>2014</td>
<td>1,408,987</td>
<td>295,409</td>
<td>10,173</td>
</tr>
<tr>
<td>2015</td>
<td>1,431,603</td>
<td>309,904</td>
<td>11,130</td>
</tr>
<tr>
<td>2016</td>
<td>1,428,557</td>
<td>302,926</td>
<td>11,132</td>
</tr>
</tbody>
</table>

| Change (%) | 8.6 | 19.6 | 8.5 |

Source: [http://www.ohadatabook.com/ACS.html](http://www.ohadatabook.com/ACS.html)  
https://dashboard.hawaii.gov/stat/goals/5xhf-begg/ezet-axai/f4ic-3axz
FARS is a census of fatal motor vehicle crashes with a set of data files documenting all qualifying fatalities that occurred within the 50 States, the District of Columbia, and Puerto Rico since 1975.

FARS is directed by the National Center for Statistics and Analysis (NCSA), which is a component of NHTSA.

FARS data are obtained from various States’ documents, such as:
- Police Crash Reports
- Death Certificates
- Coroner/Medical Examiner Reports
- State Driver Licensing Files
- State Highway Department Data
TRAFFIC FATALITY ANALYSIS
40% of Native Hawaiian fatalities are below the age of 25 whereas its only 19% among all Others
FATALITIES YOUNGER THAN 25 (%)

- Native Hawaiians
- NH Average
- Others
- Others Average

** Significant at $\alpha=0.05$
FATALITY ANALYSIS BASED ON ALCOHOL USE
FATALITIES DUE TO ALCOHOL USE (%)

YEAR

PERCENTAGE

Native Hawaiians  Others  NH Average  Others Average  ** Significant at α=0.05
Among the alcohol impaired fatalities in Hawaii, **46%** NH are younger than **25** whereas in other races its only **26%**.
FATALITIES DUE TO ALCOHOL USE YOUNGER THAN 25 YEARS OF AGE (%)

** Significant at $\alpha=0.05$
FATALITIES DUE TO ALCOHOL USE BY GENDER (%)

<table>
<thead>
<tr>
<th>GENDER</th>
<th>PERCENTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>Native Hawaiians: 70%</td>
</tr>
<tr>
<td>Female</td>
<td>Native Hawaiians: 20%</td>
</tr>
</tbody>
</table>

0 10 20 30 40 50 60 70 80 90 100

GENDER

Native Hawaiians  Others
MALE FATALITIES DUE TO ALCOHOL USE (%)

FEMALE FATALITIES DUE TO ALCOHOL USE (%)

** Significant at $\alpha=0.05$
FATALITY ANALYSIS BASED ON SPEEDING
FATALITIES DUE TO SPEEDING (%)

YEAR
PERCENTAGE
0 10 20 30 40 50 60 70 80 90 100

Native Hawaiians
Others
NH Average
Others Average

** Significant at $\alpha=0.05$
75% NH fatalities due to speeding in Hawaii are below the age of 35 and 50% below 25
FATALITIES DUE TO SPEEDING YOUNGER THAN 25 YEARS OF AGE (%)

YEAR

PERCENTAGE
0 10 20 30 40 50 60 70 80 90 100

Native Hawaiians NH Average Others Others Average ** Significant at α=0.05
FATALITIES DUE TO SPEEDING BY GENDER (%)

<table>
<thead>
<tr>
<th>GENDER</th>
<th>Native Hawaiian</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>80</td>
<td>70</td>
</tr>
<tr>
<td>Female</td>
<td>20</td>
<td>10</td>
</tr>
</tbody>
</table>

FEMALE FATALITIES DUE TO SPEEDING (%)

- ** Significant at $\alpha=0.05$
FATALITY ANALYSIS DUE TO NON-USAGE OF RESTRAINT
NON-USAGE OF RESTRAINT (%)

YEAR
PERCENTAGE


Native Hawaiians NH Average Others Others Average
NON-USAGE OF RESTRAINT BY AGE GROUP (%)

50% fatalities due to non-usage of restraint are below the age of 25 in NH whereas its only 25% in other races
FATALITIES DUE TO NON-USAGE OF RESTRAINT YOUNGER THAN 25 YEARS OF AGE (%)

YEAR

PERCENTAGE

- Native Hawaiians
- NH Average
- Others
- Others Average

** Significant at $\alpha=0.05$
MAJOR FINDINGS

• In Hawaii, almost 60% of the NH fatalities are younger than 35 years of age and 40% are younger than 25 years of age.

• Among the alcohol impaired fatalities in Hawaii, 69% NH are younger than 35 and 46% younger than 25.

• 75% NH fatalities due to speeding in Hawaii are below the age of 35 and 50% below 25.

• 50% fatalities due to non-usage of restraint are below the age of 25 in NH community whereas its only 25% in other races.

• Female fatalities due to alcohol abuse and speeding is significantly higher in NH community than all other races.

• Fatalities of age group 50 and above is only 20% in NH whereas it is almost 43% in other races.
RECOMMENDATIONS

• Educational programs targeted for Native Hawaiian youths.

• Collaboration with Native Hawaiian leaders.

• Special traffic safety programs targeted for Native Hawaiians.
MAHALO!