2012 Statewide Seat Belt Observational Survey Results
Nevada Traffic Safety Summit
November 7-8, 2012
Memorial Day 2012 Click It or Ticket (CIOT)

- Pre-CIOT mobilization survey held in May - the statewide seat belt usage average was 87.42 percent, based on the weighted usage rate.
- Post-CIOT mobilization held in June - the statewide seat belt usage average was 90.5, based on weighted usage rate.
- There is an increase of 3.08 percent weighted seat belt usage as a result of 2012 CIOT mobilization events.
Revisions to Uniform Criteria for State Seat Belt Observational Survey

On April 1, 2012, the National Highway Traffic Safety Administration published the final rule for the revised Uniform Criteria for State Observational Surveys of Seat Belt Use. This rule established new criteria for designing and conducting this type of survey.

Beginning CY 2012, Nevada’s annual statewide seat belt use survey was conducted based on survey design that conforms to the revised criteria. The new design utilized 19 requirements including statistical, operational, GIS, etc.
Revisions to Uniform Criteria for State Seat Belt Observational Survey

Old Criteria

• Population based county exclusion
• Road coverage limited to existing statewide inventory
• Margin of error: +/- 5 percent of estimated use rate
• No specified quality control procedures
• Statistician review only for Sec 406 applicants
Revisions to Uniform Criteria for State Seat Belt Observational Survey

New Criteria

- Vehicle occupant fatality-based county exclusion
- Covers all roads with limited exceptions
- Standard margin of error +/- 2.5 percent
- Quality control requirements include annual training of observers and unannounced site visits by monitors
- Statistician review for all
Observational Sites Distribution

<table>
<thead>
<tr>
<th>Strata</th>
<th>Clark</th>
<th>Washoe</th>
<th>Nye</th>
<th>Elko</th>
<th>Lyon</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1100</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>7</td>
<td>3</td>
</tr>
<tr>
<td>S1200</td>
<td>2</td>
<td>3</td>
<td>22</td>
<td>16</td>
<td>20</td>
</tr>
<tr>
<td>S1400</td>
<td>20</td>
<td>20</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>24</td>
<td>24</td>
<td>23</td>
<td>23</td>
<td>23</td>
</tr>
</tbody>
</table>
Statewide Seatbelt Usage 2012

- Driver: 90.83%
- Passenger: 90.25%
- All Occupants: 90.5%
Ethnicity based Statewide Seatbelt Usage 2012

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Driver</th>
<th>Passenger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caucasian</td>
<td>91.79</td>
<td>91.95</td>
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<tr>
<td>African-American</td>
<td>87.05</td>
<td>75.52</td>
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<tr>
<td>Hispanic</td>
<td>86.74</td>
<td>84.08</td>
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<tr>
<td>Other</td>
<td>90.3</td>
<td>88.68</td>
</tr>
<tr>
<td>All</td>
<td>90.83</td>
<td>90.25</td>
</tr>
</tbody>
</table>

Legend:
- Blue: Driver
- Red: Passenger
Road Segment wise Seatbelt Usage 2012

- S1100: Driver 93.34%, Passenger 94.61%
- S1200: Driver 90.62%, Passenger 90.06%
- S1400: Driver 89.67%, Passenger 87.69%
- All: Driver 90.83%, Passenger 90.25%

Legend:
- Blue: Driver
- Red: Passenger
County wise Seatbelt Usage 2012

- Clark: 89.12 (Driver) / 87.68 (Passenger)
- Washoe: 92.17 (Driver) / 71.75 (Passenger)
- Nye: 90.30 (Driver) / 27 (Passenger)
- Lyon: 91.80 (Driver) / 1.25 (Passenger)
- Elko: 90.70 (Driver) / 46 (Passenger)
- All: 90.80 (Driver) / 25 (Passenger)
Memorial Day 2012 Click It or Ticket (CIOT)

THANK YOU!!!

Questions???
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