Washington Impaired Driving Data

Target ZERO
Washington’s Strategic Highway Safety Plan
WA Traffic Safety Commissioners

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Department of Social and Health Services

Sharon Dillon  
Washington State Association of Counties

Jon Snyder  
Association of Washington Cities
Traffic Fatalities 2003-2013 [Preliminary]
Source: Fatality Analysis Reporting System [WTSC]
Traffic Serious Injuries 2003-2013 [Preliminary]

Source: Collision Location Analysis System [WSDOT]
Since 1999, IDI deaths have declined at about half the rate of decline in Washington non-IDI traffic deaths. One 'artifact' of this trend is that even as the number of AIDI deaths has decreased, the percent of IDI deaths among all traffic deaths has increased.
Washington Impaired-Driver-Involved Deaths, 2002-2013*

*IDI Deaths include all traffic deaths involving at least one driver with a BAC of .08 or above and/or a positive toxicology test for a potentially-impairing drug. 2013 figures based on preliminary data.
Washington Drug/Alcohol-Involved Driving Deaths, 1998-2013*
By Year and Substance Involvement, *2013 figures based on preliminary data

Source: FARS

Drug-impaired-Driver Involved (DIDI)
Alcohol-impaired-Driver Involved (AIDI)
Drug- and/or Alcohol-impaired-Driver Involved (IDI)

N.B. Numeric values are based on police-reported information. Categories are not mutually-exclusive, so percentages will sum to more than 100%. Thus, in 2010, when Washington had 460 total traffic deaths, DIDI and AIDI deaths accounted for 33%; DDI deaths comprised 41%; and IDI deaths amounted to 52%. These percentages sum to 159%, so clearly a number of deaths 'fit' into more than one category.

Definitions
IDI: At least one driver (in the crash) had either a BAC of .08 or above, or a positive test for impairing drugs; DDI: At least one driver had either a positive BAC test or was reported by police as 'Had Been Drinking'; AIDI: At least one driver had a BAC of .08 or above; DIDI: At least one driver tested positive for impairing drugs.
# National Roadside Survey

- **Weekend Nighttime Drivers Testing Positive for Alcohol by Year**

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<tr>
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</thead>
<tbody>
<tr>
<td>No Alcohol</td>
<td>64%</td>
<td>74%</td>
<td>83%</td>
<td>87%</td>
</tr>
<tr>
<td>Positive for Alcohol</td>
<td>36%</td>
<td>26%</td>
<td>16%</td>
<td>12%</td>
</tr>
<tr>
<td>Under 21 Alcohol</td>
<td>5.5%</td>
<td>3%</td>
<td>1.3%</td>
<td>0.9%</td>
</tr>
</tbody>
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# National Roadside Survey

- Weekend Nighttime Drivers Testing Positive for Drugs, by Drug Category

<table>
<thead>
<tr>
<th>Drug Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illegal</td>
<td>11%</td>
</tr>
<tr>
<td>Medications</td>
<td>4%</td>
</tr>
<tr>
<td>Illegal and Medications</td>
<td>1%</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>16%</strong></td>
</tr>
</tbody>
</table>

PIRE Survey in WA

- **Densely populated (2) areas** (King, Snohomish, Pierce, Spokane)
- **Moderately populated (2) areas** (Yakima, Olympia, Moses Lake, Vancouver)
- **Low population areas (2)** (Hood Canal, Whidbey Island, Clallam County)

- 6 locations in each area
- 150 participants at each site
- 900 participants total
- Two waves (Spring, Fall)
Survey Procedure

• Drivers who consent directed into the site
• Process explained
• Passive Alcohol Sensor
• Breath test
• Tablet survey of AOD [$5]
• Oral fluid collection [$10]
• Blood sample collection [$50]
Impaired Driver Protocol

Procedure for impaired drivers:

– Survey Manager explains concern to driver and requests a breath test.

– BAC = .05 or higher, alternative offered (at no cost to subject):
  - Switch with sober passenger
  - Call family or friend
  - Driver and vehicle driven to destination (tow truck)
  - Taxi ride home
  - Hotel room for non-local drivers
Driver Drug Involvement in Washington Fatal Crashes, 2002-2012*

By Top Five Categories and Year, Percent of ALL Drivers in Fatal Crashes

*2012 figures based on preliminary data as of 8/22/13

Source: FARS
Number of Cannabinoid-Positive Drivers Involved in Fatal Collisions, Involvement of Other Drugs and Alcohol, 2002-2012*

- Cann. Only
- Cann. Only+<.08
- Cann. Only+>.08
- Cann. +
- Cann. +&<.08
- Cann. +&>.08
Impaired Driving-Involved Deaths by Month of Crash, 2008 - 2012

- JAN: 172
- FEB: 167
- MAR: 157
- APR: 175
- MAY: 190
- JUN: 186
- JUL: 224
- AUG: 283
- SEP: 238
- OCT: 197
- NOV: 184
- DEC: 190
Impaired Driving-Involved Deaths by Day of Crash
2008 - 2012
Impaired Driving-Involved Deaths by Time of Crash, 2008 - 2012

- 12-3am: 341
- 3-6am: 177
- 6-9am: 181
- 9a-12p: 204
- 12-3pm: 285
- 3-6pm: 435
- 6-9pm: 390
- 9p-12a: 342
- unk: 8
Impaired Driving-Involved Deaths by Age & Sex, 2008 - 2012

Males | Females | Unk
--- | --- | ---
0-15 | 47 | 2 | 42
16-20 | 179 | 68 | 68
21-25 | 258 | 68 | 42
26-30 | 182 | 81 | 80
31-40 | 237 | 97 | 97
41-50 | 236 | 162 | 162
51-60 | 265 | 154 | 154
61-70 | 110 | 3 | 3
71+ | 2 | 2 | 2
U | 0 | 0 | 0
BAC Tests– Taken and Refused

Breath Tests Taken
Refusals

2008 2009 2010 2011 2012 2013

Target ZERO
Links

Cannabis / Marijuana Fact Sheet
http://www.nhtsa.gov/people/injury/research/job185drugs/cannabis.htm

WTSC “What’s Your Goal?” Video
http://www.youtube.com/watch?v=zaT6d1pwBEE

Colorado “Drive High Get a DUI” PSAs
More information

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