

Drowsy Drivers

You Snooze  You Lose
Don't Drive Drowsy



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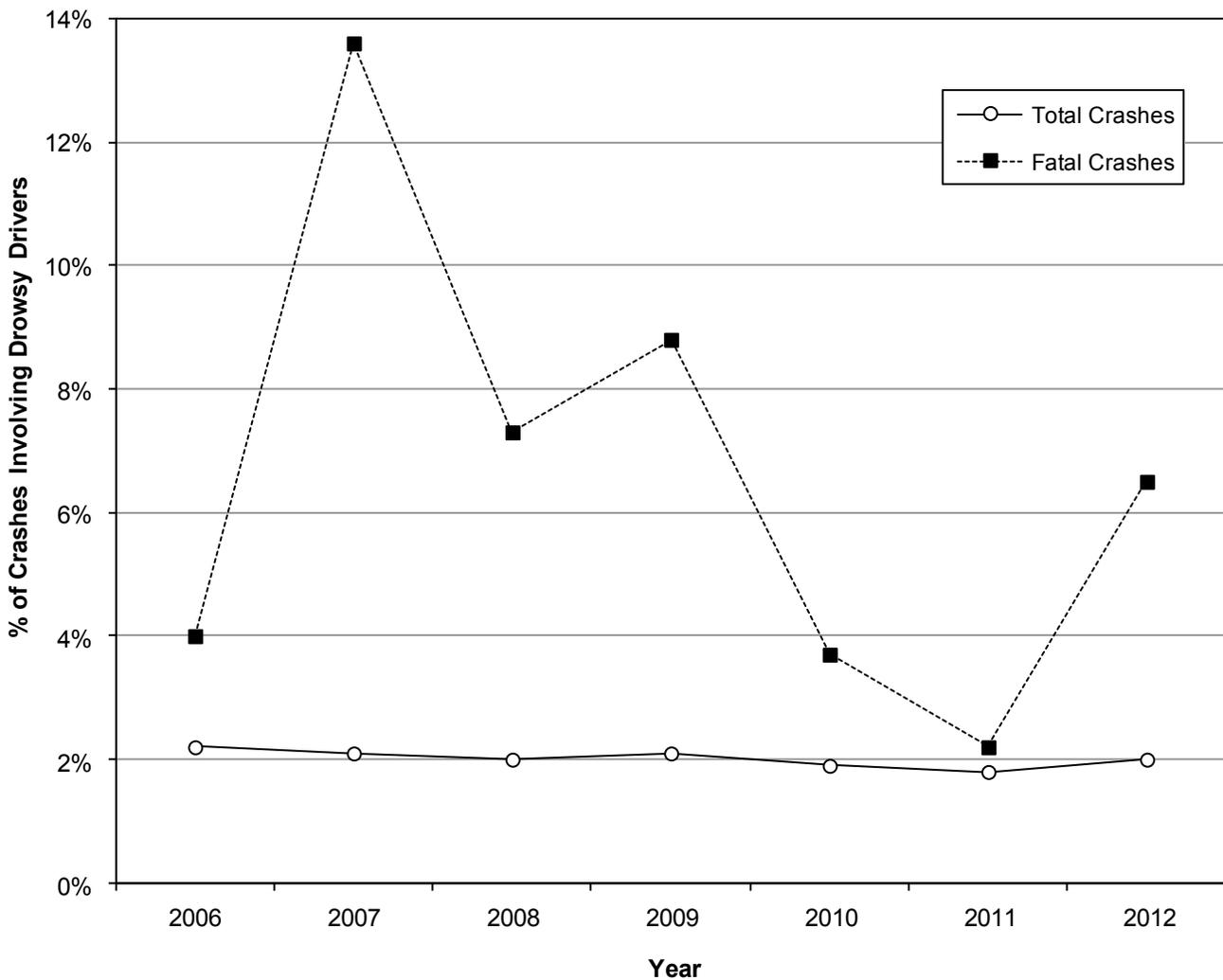
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Trends

Drowsy Driver Crashes (Utah 2006-2012)

| Drowsy Driver Crashes | | | | | | | | | | | | |
|-----------------------|----------------------|---------------|-------------|----------------|---------------|-------------|--------------|---------------|-------------|----------------|---------------|-------------|
| Year | Property Damage Only | | | Injury | | | Fatal | | | Total | | |
| | All | Drowsy Driver | % | All | Drowsy Driver | % | All | Drowsy Driver | % | All | Drowsy Driver | % |
| | # | # | % | # | # | % | # | # | % | # | # | % |
| 2006 | 37,674 | 636 | 1.7% | 18,264 | 573 | 3.1% | 249 | 10 | 4.0% | 56,187 | 1,219 | 2.2% |
| 2007 | 42,368 | 694 | 1.6% | 18,619 | 584 | 3.1% | 258 | 35 | 13.6% | 61,245 | 1,313 | 2.1% |
| 2008 | 38,997 | 594 | 1.5% | 17,125 | 510 | 3.0% | 245 | 18 | 7.3% | 56,367 | 1,122 | 2.0% |
| 2009 | 35,398 | 616 | 1.7% | 15,752 | 448 | 2.8% | 217 | 19 | 8.8% | 51,367 | 1,083 | 2.1% |
| 2010 | 34,155 | 524 | 1.5% | 14,995 | 429 | 2.9% | 218 | 8 | 3.7% | 49,368 | 961 | 1.9% |
| 2011 | 36,418 | 546 | 1.5% | 15,645 | 404 | 2.6% | 224 | 5 | 2.2% | 52,287 | 955 | 1.8% |
| 2012 | 34,635 | 597 | 1.7% | 15,765 | 414 | 2.6% | 200 | 13 | 6.5% | 50,600 | 1,024 | 2.0% |
| Total | 259,645 | 4,207 | 1.6% | 116,165 | 3,362 | 2.9% | 1,611 | 108 | 6.7% | 377,421 | 7,677 | 2.0% |



- The seven-year trend shows that 2.0% of all crashes in Utah involved a drowsy driver.
- Fatal drowsy driver crashes have fluctuated around the seven-year average of 6.7% of fatal crashes.
- While these numbers are significant, they may not state the true size of the problem, since the identification of drowsiness or fatigue and its role in the crash by law enforcement can be very difficult.

Crash Conditions

Drowsy Driver Crashes by County (Utah 2012)

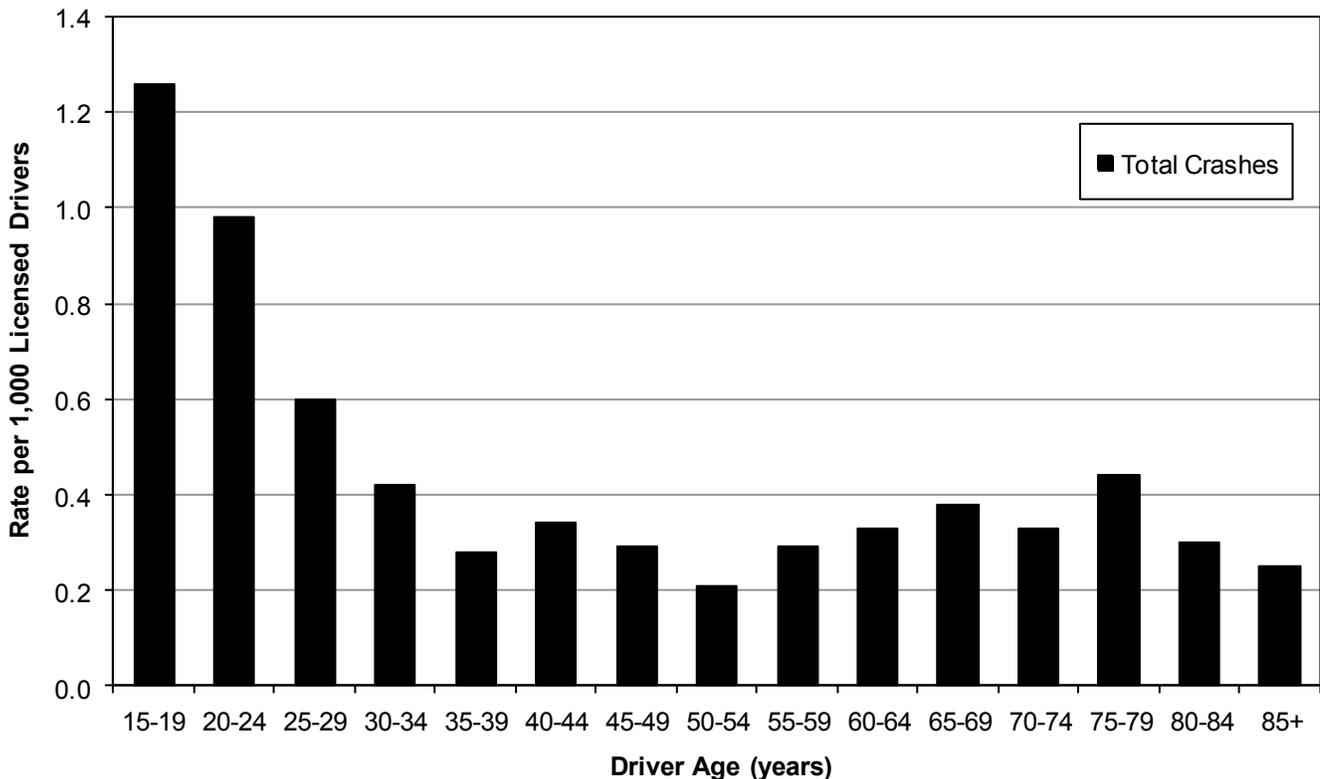
| County | Drowsy Driver Crashes | | | | | | | | | | | |
|------------------|-----------------------|--------------------|-------------|----------------|--------------------|-------------|---------------|--------------------|-------------|---------------|--------------------|-------------|
| | PDO Crashes | | | Injury Crashes | | | Fatal Crashes | | | Total | | |
| | All # | Drowsy Driver # | % | All # | Drowsy Driver # | % | All # | Drowsy Driver # | % | All # | Drowsy Driver # | % |
| Emery | 174 | 10 | 5.7% | 70 | 12 | 17.1% | 2 | 0 | 0.0% | 246 | 22 | 8.9% |
| Millard | 262 | 15 | 5.7% | 101 | 13 | 12.9% | 9 | 2 | 22.2% | 372 | 30 | 8.1% |
| Grand | 158 | 8 | 5.1% | 81 | 11 | 13.6% | 2 | 0 | 0.0% | 241 | 19 | 7.9% |
| Morgan | 107 | 6 | 5.6% | 39 | 4 | 10.3% | 1 | 0 | 0.0% | 147 | 10 | 6.8% |
| Sevier | 274 | 14 | 5.1% | 110 | 9 | 8.2% | 2 | 1 | 50.0% | 386 | 24 | 6.2% |
| Box Elder | 713 | 26 | 3.6% | 289 | 30 | 10.4% | 4 | 0 | 0.0% | 1,006 | 56 | 5.6% |
| Juab | 204 | 10 | 4.9% | 69 | 4 | 5.8% | 1 | 0 | 0.0% | 274 | 14 | 5.1% |
| Tooele | 686 | 27 | 3.9% | 270 | 17 | 6.3% | 16 | 3 | 18.8% | 972 | 47 | 4.8% |
| Piute | 18 | 1 | 5.6% | 6 | 0 | 0.0% | 0 | 0 | n/a | 24 | 1 | 4.2% |
| San Juan | 207 | 3 | 1.4% | 52 | 7 | 13.5% | 7 | 1 | 14.3% | 266 | 11 | 4.1% |
| Uintah | 471 | 11 | 2.3% | 193 | 13 | 6.7% | 9 | 0 | 0.0% | 673 | 24 | 3.6% |
| Beaver | 199 | 2 | 1.0% | 55 | 7 | 12.7% | 1 | 0 | 0.0% | 255 | 9 | 3.5% |
| Washington | 1,179 | 31 | 2.6% | 747 | 27 | 3.6% | 10 | 1 | 10.0% | 1,936 | 59 | 3.0% |
| Carbon | 317 | 9 | 2.8% | 88 | 3 | 3.4% | 1 | 0 | 0.0% | 406 | 12 | 3.0% |
| Daggett | 24 | 0 | 0.0% | 8 | 1 | 12.5% | 2 | 0 | 0.0% | 34 | 1 | 2.9% |
| Duchesne | 402 | 10 | 2.5% | 115 | 5 | 4.3% | 3 | 0 | 0.0% | 520 | 15 | 2.9% |
| Iron | 547 | 10 | 1.8% | 244 | 11 | 4.5% | 0 | 0 | n/a | 791 | 21 | 2.7% |
| Summit | 855 | 21 | 2.5% | 214 | 7 | 3.3% | 7 | 0 | 0.0% | 1,076 | 28 | 2.6% |
| Wasatch | 414 | 8 | 1.9% | 174 | 7 | 4.0% | 4 | 0 | 0.0% | 592 | 15 | 2.5% |
| Davis | 2,899 | 59 | 2.0% | 1,338 | 35 | 2.6% | 14 | 0 | 0.0% | 4,251 | 94 | 2.2% |
| Kane | 160 | 2 | 1.3% | 32 | 1 | 3.1% | 4 | 1 | 25.0% | 196 | 4 | 2.0% |
| Cache | 1,237 | 19 | 1.5% | 445 | 15 | 3.4% | 6 | 0 | 0.0% | 1,688 | 34 | 2.0% |
| Wayne | 36 | 1 | 2.8% | 17 | 0 | 0.0% | 1 | 0 | 0.0% | 54 | 1 | 1.9% |
| Utah | 5,070 | 78 | 1.5% | 2,700 | 50 | 1.9% | 19 | 2 | 10.5% | 7,789 | 130 | 1.7% |
| Weber | 2,545 | 40 | 1.6% | 1,352 | 25 | 1.8% | 13 | 0 | 0.0% | 3,910 | 65 | 1.7% |
| Rich | 49 | 0 | 0.0% | 29 | 1 | 3.4% | 1 | 0 | 0.0% | 79 | 1 | 1.3% |
| Salt Lake | 15,081 | 172 | 1.1% | 6,815 | 99 | 1.5% | 57 | 2 | 3.5% | 21,953 | 273 | 1.2% |
| Sanpete | 223 | 3 | 1.3% | 78 | 0 | 0.0% | 1 | 0 | 0.0% | 302 | 3 | 1.0% |
| Garfield | 124 | 1 | 0.8% | 34 | 0 | 0.0% | 3 | 0 | 0.0% | 161 | 1 | 0.6% |
| Statewide | 34,635 | 597 | 1.7% | 15,765 | 414 | 2.6% | 200 | 13 | 6.5% | 50,600 | 1,024 | 2.0% |

- Overall, Emery (8.9%), Millard (8.1%), and Grand (7.9%) counties had the highest percentages of crashes involving a drowsy driver.
- Overall, Garfield (0.6%), Sanpete (1.0%), and Salt Lake (1.2%) counties had the lowest percentages of crashes involving a drowsy driver.
- Statewide, drowsy driver crashes represented 2.0% of all crashes and 6.5% of all fatal crashes.

Crash Conditions

Age of Drowsy Drivers in Crashes (Utah 2012)

| Drowsy Drivers | | | | | | | | | | | | |
|----------------|-------------|---------------|------------------------|----------------|---------------|------------------------|---------------|---------------|------------------------|--------------|---------------|------------------------|
| Age | PDO Crashes | | | Injury Crashes | | | Fatal Crashes | | | Total | | |
| | # | % | Rate per 1,000 Drivers | # | % | Rate per 1,000 Drivers | # | % | Rate per 1,000 Drivers | # | % | Rate per 1,000 Drivers |
| <15 | 1 | 0.2% | n/a | 1 | 0.2% | n/a | 0 | 0.0% | n/a | 2 | 0.2% | n/a |
| 15-19 | 141 | 23.5% | 0.76 | 94 | 22.7% | 0.50 | 1 | 7.7% | 0.005 | 236 | 23.0% | 1.26 |
| 20-24 | 132 | 22.0% | 0.63 | 73 | 17.6% | 0.35 | 1 | 7.7% | 0.005 | 206 | 20.1% | 0.98 |
| 25-29 | 79 | 13.2% | 0.36 | 50 | 12.1% | 0.23 | 2 | 15.4% | 0.009 | 131 | 12.8% | 0.60 |
| 30-34 | 50 | 8.3% | 0.23 | 42 | 10.1% | 0.19 | 2 | 15.4% | 0.009 | 94 | 9.2% | 0.42 |
| 35-39 | 35 | 5.8% | 0.19 | 18 | 4.3% | 0.10 | 0 | 0.0% | 0.000 | 53 | 5.2% | 0.28 |
| 40-44 | 34 | 5.7% | 0.21 | 21 | 5.1% | 0.13 | 1 | 7.7% | 0.006 | 56 | 5.5% | 0.34 |
| 45-49 | 20 | 3.3% | 0.13 | 24 | 5.8% | 0.16 | 0 | 0.0% | 0.000 | 44 | 4.3% | 0.29 |
| 50-54 | 16 | 2.7% | 0.10 | 17 | 4.1% | 0.11 | 0 | 0.0% | 0.000 | 33 | 3.2% | 0.21 |
| 55-59 | 25 | 4.2% | 0.18 | 16 | 3.9% | 0.11 | 0 | 0.0% | 0.000 | 41 | 4.0% | 0.29 |
| 60-64 | 16 | 2.7% | 0.14 | 21 | 5.1% | 0.18 | 1 | 7.7% | 0.009 | 38 | 3.7% | 0.33 |
| 65-69 | 18 | 3.0% | 0.21 | 14 | 3.4% | 0.17 | 0 | 0.0% | 0.000 | 32 | 3.1% | 0.38 |
| 70-74 | 9 | 1.5% | 0.15 | 10 | 2.4% | 0.17 | 1 | 7.7% | 0.017 | 20 | 1.9% | 0.33 |
| 75-79 | 14 | 2.3% | 0.31 | 4 | 1.0% | 0.09 | 2 | 15.4% | 0.044 | 20 | 1.9% | 0.44 |
| 80-84 | 5 | 0.8% | 0.15 | 4 | 1.0% | 0.12 | 1 | 7.7% | 0.030 | 10 | 1.0% | 0.30 |
| 85+ | 4 | 0.7% | 0.11 | 4 | 1.0% | 0.11 | 1 | 7.7% | 0.028 | 9 | 0.9% | 0.25 |
| Unknown | 0 | 0.0% | n/a | 1 | 0.2% | n/a | 0 | 0.0% | n/a | 1 | 0.1% | n/a |
| Total | 599 | 100.0% | 0.30 | 414 | 100.0% | 0.21 | 13 | 100.0% | 0.006 | 1,026 | 100.0% | 0.51 |



- The younger the driver the more likely they were to be drowsy.

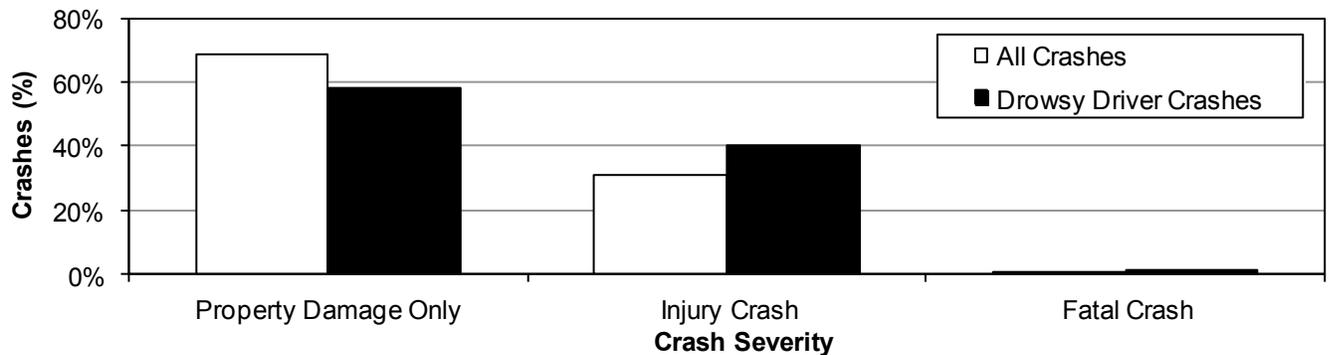
Crash Conditions

Gender of Drowsy Drivers in Crashes (Utah 2012)

| Drowsy Drivers | | | | | | | | |
|----------------|-------------|---------------|----------------|---------------|---------------|---------------|--------------|---------------|
| Gender | PDO Crashes | | Injury Crashes | | Fatal Crashes | | Total | |
| | # | % | # | % | # | % | # | % |
| Male | 457 | 76.3% | 281 | 67.9% | 11 | 84.6% | 749 | 73.0% |
| Female | 141 | 23.5% | 131 | 31.6% | 2 | 15.4% | 274 | 26.7% |
| Unknown | 1 | 0.2% | 2 | 0.5% | 0 | 0.0% | 3 | 0.3% |
| Total | 599 | 100.0% | 414 | 100.0% | 13 | 100.0% | 1,026 | 100.0% |

- The majority of drowsy drivers in all motor vehicle crashes (73.0%) and fatal crashes (84.6%) were male.
- Male drivers were 2.1 times more likely to be drowsy in a crash than female drivers.

Drowsy Driver Crash Severity (Utah 2012)



- Drowsy driver crashes were more likely to result in injury compared to all motor vehicle crashes (40.4% to 31.2%).

Drowsy Driver Crashes by Month (Utah 2012)

| Drowsy Driver Crashes | | | | | | | | |
|-----------------------|-------------|--------------|----------------|--------------|---------------|--------------|--------------|--------------|
| Month | PDO Crashes | | Injury Crashes | | Fatal Crashes | | Total | |
| | # | Rate per Day | # | Rate per Day | # | Rate per Day | # | Rate per Day |
| January | 45 | 1.5 | 19 | 0.6 | 0 | 0.00 | 64 | 2.1 |
| February | 25 | 0.9 | 27 | 0.9 | 0 | 0.00 | 52 | 1.8 |
| March | 44 | 1.4 | 28 | 0.9 | 2 | 0.06 | 74 | 2.4 |
| April | 36 | 1.2 | 39 | 1.3 | 1 | 0.03 | 76 | 2.5 |
| May | 66 | 2.1 | 52 | 1.7 | 2 | 0.06 | 120 | 3.9 |
| June | 72 | 2.4 | 38 | 1.3 | 1 | 0.03 | 111 | 3.7 |
| July | 64 | 2.1 | 53 | 1.7 | 0 | 0.00 | 117 | 3.8 |
| August | 56 | 1.8 | 45 | 1.5 | 1 | 0.03 | 102 | 3.3 |
| September | 52 | 1.7 | 38 | 1.3 | 0 | 0.00 | 90 | 3.0 |
| October | 52 | 1.7 | 33 | 1.1 | 2 | 0.06 | 87 | 2.8 |
| November | 52 | 1.7 | 20 | 0.7 | 1 | 0.03 | 73 | 2.4 |
| December | 33 | 1.1 | 22 | 0.7 | 3 | 0.10 | 58 | 1.9 |
| Total | 597 | 1.6 | 414 | 1.1 | 13 | 0.04 | 1,024 | 2.8 |

- Overall, May (3.9) and July (3.8) had the highest rates per day for drowsy driver crashes.
- The highest rate per day of fatal drowsy driver crashes occurred in December (0.10).

Crash Conditions

Drowsy Driver Crashes by Day of Week (Utah 2012)

| Drowsy Driver Crashes | | | | | | | | |
|-----------------------|-------------|---------------|----------------|---------------|---------------|---------------|--------------|---------------|
| Day of Week | PDO Crashes | | Injury Crashes | | Fatal Crashes | | Total | |
| | # | % | # | % | # | % | # | % |
| Sunday | 82 | 13.7% | 60 | 14.5% | 0 | 0.0% | 142 | 13.9% |
| Monday | 81 | 13.6% | 61 | 14.7% | 4 | 30.8% | 146 | 14.3% |
| Tuesday | 73 | 12.2% | 54 | 13.0% | 2 | 15.4% | 129 | 12.6% |
| Wednesday | 73 | 12.2% | 50 | 12.1% | 5 | 38.5% | 128 | 12.5% |
| Thursday | 84 | 14.1% | 53 | 12.8% | 1 | 7.7% | 138 | 13.5% |
| Friday | 98 | 16.4% | 71 | 17.1% | 0 | 0.0% | 169 | 16.5% |
| Saturday | 106 | 17.8% | 65 | 15.7% | 1 | 7.7% | 172 | 16.8% |
| Total | 597 | 100.0% | 414 | 100.0% | 13 | 100.0% | 1,024 | 100.0% |

- Overall, the highest percentage of drowsy driver crashes occurred on Saturday (16.8%).
- The highest percentage of fatal drowsy driver crashes occurred on Wednesday (38.5%).

Drowsy Driver Crashes by Hour (Utah 2012)

| Drowsy Driver Crashes | | | | | | | | |
|-----------------------|-------------|---------------|----------------|---------------|---------------|---------------|--------------|---------------|
| Hour | PDO Crashes | | Injury Crashes | | Fatal Crashes | | Total | |
| | # | % | # | % | # | % | # | % |
| Midnight | 26 | 4.4% | 13 | 3.1% | 0 | 0.0% | 39 | 3.8% |
| 1 a.m. | 19 | 3.2% | 14 | 3.4% | 0 | 0.0% | 33 | 3.2% |
| 2 a.m. | 26 | 4.4% | 14 | 3.4% | 0 | 0.0% | 40 | 3.9% |
| 3 a.m. | 27 | 4.5% | 19 | 4.6% | 0 | 0.0% | 46 | 4.5% |
| 4 a.m. | 21 | 3.5% | 8 | 1.9% | 0 | 0.0% | 29 | 2.8% |
| 5 a.m. | 30 | 5.0% | 30 | 7.2% | 1 | 7.7% | 61 | 6.0% |
| 6 a.m. | 46 | 7.7% | 25 | 6.0% | 2 | 15.4% | 73 | 7.1% |
| 7 a.m. | 41 | 6.9% | 32 | 7.7% | 0 | 0.0% | 73 | 7.1% |
| 8 a.m. | 33 | 5.5% | 24 | 5.8% | 1 | 7.7% | 58 | 5.7% |
| 9 a.m. | 30 | 5.0% | 15 | 3.6% | 2 | 15.4% | 47 | 4.6% |
| 10 a.m. | 24 | 4.0% | 14 | 3.4% | 0 | 0.0% | 38 | 3.7% |
| 11 a.m. | 17 | 2.8% | 22 | 5.3% | 2 | 15.4% | 41 | 4.0% |
| Noon | 15 | 2.5% | 11 | 2.7% | 1 | 7.7% | 27 | 2.6% |
| 1 p.m. | 28 | 4.7% | 16 | 3.9% | 0 | 0.0% | 44 | 4.3% |
| 2 p.m. | 26 | 4.4% | 22 | 5.3% | 2 | 15.4% | 50 | 4.9% |
| 3 p.m. | 37 | 6.2% | 19 | 4.6% | 0 | 0.0% | 56 | 5.5% |
| 4 p.m. | 40 | 6.7% | 30 | 7.2% | 2 | 15.4% | 72 | 7.0% |
| 5 p.m. | 30 | 5.0% | 24 | 5.8% | 0 | 0.0% | 54 | 5.3% |
| 6 p.m. | 16 | 2.7% | 12 | 2.9% | 0 | 0.0% | 28 | 2.7% |
| 7 p.m. | 14 | 2.3% | 9 | 2.2% | 0 | 0.0% | 23 | 2.2% |
| 8 p.m. | 16 | 2.7% | 9 | 2.2% | 0 | 0.0% | 25 | 2.4% |
| 9 p.m. | 8 | 1.3% | 4 | 1.0% | 0 | 0.0% | 12 | 1.2% |
| 10 p.m. | 10 | 1.7% | 13 | 3.1% | 0 | 0.0% | 23 | 2.2% |
| 11 p.m. | 17 | 2.8% | 15 | 3.6% | 0 | 0.0% | 32 | 3.1% |
| Total | 597 | 100.0% | 414 | 100.0% | 13 | 100.0% | 1,024 | 100.0% |

- Drowsy driver total crashes were highest during the hours of 6:00 a.m., 7:00 a.m., and 4:00 p.m.

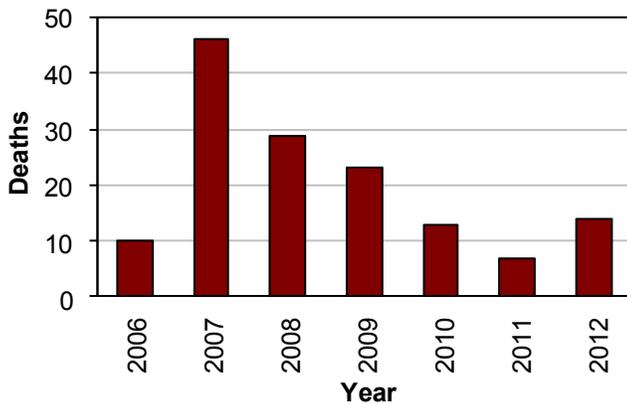
Did you know in 2012:

- 1,024 motor vehicle crashes occurred in Utah involving a drowsy driver.
- 86 people have died in Utah over the last 5 years in drowsy driver crashes.
- 2% of the motor vehicle crashes in Utah involved a drowsy driver.

Drowsy Driving

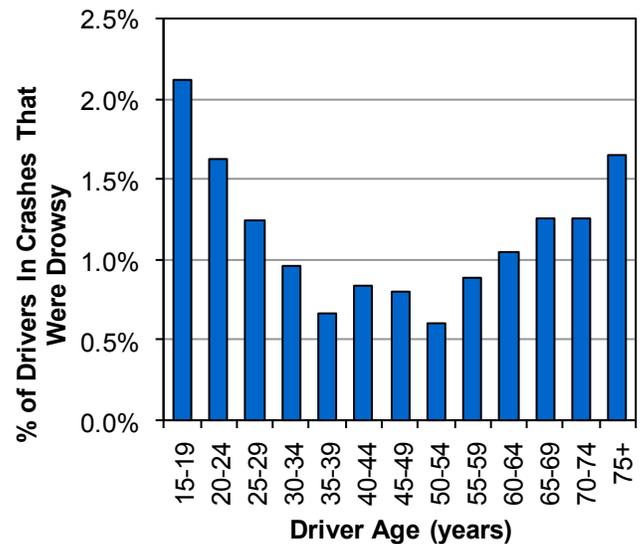


Drowsy Driver Deaths by Year (Utah 2006-2012)



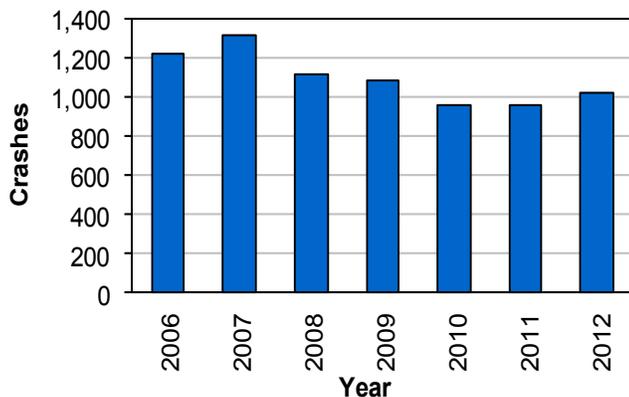
- An average of 20 people die each year from drowsy drivers.

Age of Drowsy Drivers in Crashes (Utah 2012)



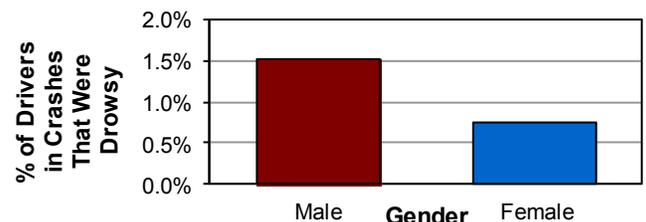
- Drivers aged 15-24 and 75+ had the highest percent of drowsy drivers in crashes.
- Drivers under age 25 years are involved in nearly half (43%) of drowsy driving crashes.

Drowsy Driver Crashes by Year (Utah 2006-2012)



- 2012 saw an increase in drowsy driver crashes after two years of decreasing crashes.

Gender of Drowsy Drivers in Crashes (Utah 2012)

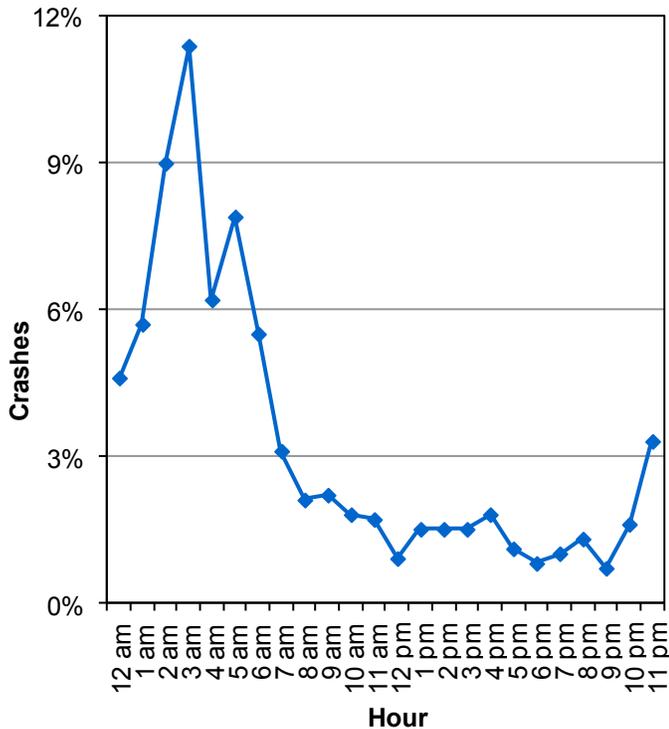


- Males were twice as likely to be in a drowsy driver crash than females.

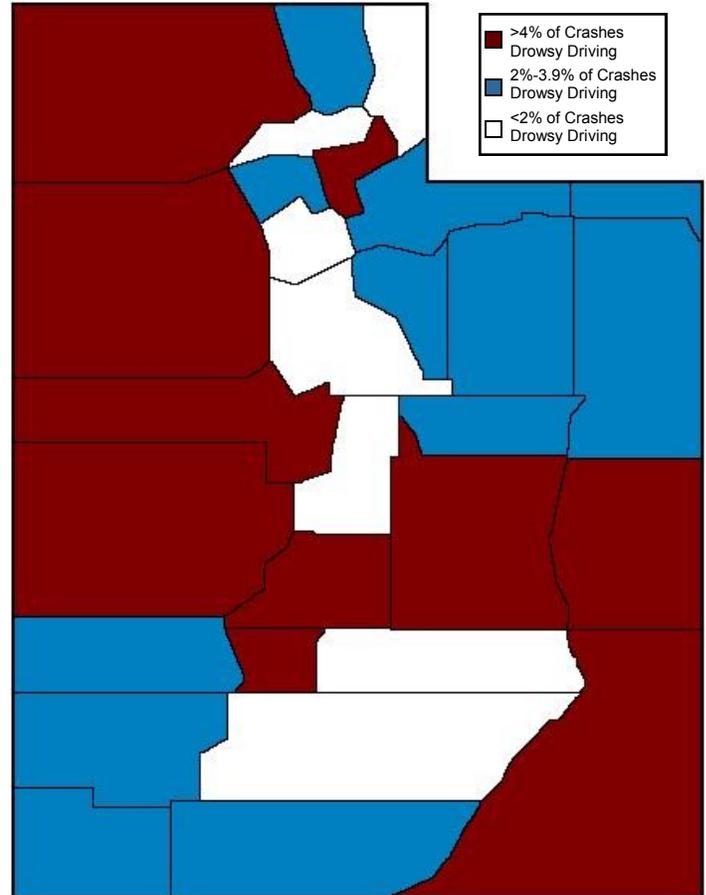
Drowsy Driving



Percent of Total Crashes with a Drowsy Driver by Hour (Utah 2012)



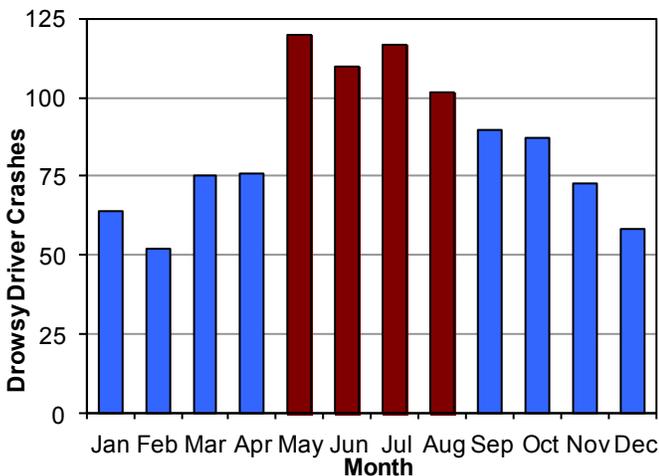
Percent of Total Crashes with a Drowsy Driver by County (Utah 2012)



- While 2% of total crashes involved a drowsy driver, 7% of crashes occurring during the hours of midnight-6:59 a.m. involved a drowsy driver.
- The highest number of drowsy driver crashes occurred during the hours of 6 a.m., 7 a.m., and 4 p.m.

- Emery, Millard, and Grand Counties had the highest percent of crashes involving drowsy drivers.
- Rural crashes were 2.7 times more likely to involve a drowsy driver than urban crashes.

Drowsy Driver Crashes by Month (Utah 2012)



- May through August had the most drowsy driver crashes.

Before driving:

- **Get adequate sleep - most adults need 7-9 hours to maintain proper alertness during the day**
- **Schedule proper breaks - about every 100 miles or 2 hours during long trips**
- **Arrange for a travel companion - someone to talk with and share driving**
- **Avoid alcohol and sedating medications - check your labels or ask your doctor**