UTAH OBSERVATIONAL SURVEYS OF SEAT BELT USE 2012

Prepared by

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EXECUTIVE SUMMARY

The National Highway Traffic Safety Administration (NHTSA) has issued new Uniform Criteria for State Observational Surveys of Seat Belt Use. The final rule was published in the Federal Register Vol. 76 No. 63, April 1, 2011, Rules and Regulations, pp. 18042 – 18059. The Utah Plan was accepted as fully compliant with the Uniform Criteria and was used for the implementation of Utah's 2012 seat belt surveys.

The Utah Highway Safety Office (UHSO) contracted with R Perkins Consulting to help design, implement, and analyze the 2012 observational surveys of seat belt use in Utah. The Utah Highway Safety Office, with support from the National Highway Traffic Safety Administration (NHTSA), participates in nationwide observational surveys of occupant restraint usage on an annual basis. This report details the results of the observational surveys of vehicles and front seat occupants throughout Utah.

The National Highway Traffic Safety Administration requires observational surveys to be completed annually in each state to determine the level of seat belt use.

The 17 counties chosen for the Utah observations were:

Box Elder, Cache, Carbon, Davis, Grand, Iron, Millard, Salt Lake, San Juan, Sanpete, Sevier, Summit, Tooele, Uintah, Utah, Washington, and Weber.

The 2012 observations took place from June 18–23, 2012. Seat belt use and gender were recorded for drivers and front seat outboard passengers in passenger cars, trucks, SUVs, and vans. A total of 27,983 vehicle occupants: 22,046 drivers and 5,937 outboard passengers were observed. Of the 27,983 occupants, seat belt use could not be determined for 141 or 0.5% of the total observations. Forty-three percent (43%) of the observed vehicles were cars, 25% sport utility vehicles (SUV), 24% trucks, and 8% were vans.

We stratified our roadway segments by functional classification (Interstate/Primary, Arterial/Secondary, and Local). This allowed for stratification of road segments and employed a systematic probability proportional to size (PPS) sample, to select the road segments to be used as observation sites. The total share of occupants wearing seat belts for Utah in 2012 (excluding "unknowns") was **81.9 percent**. Usage rates by type of vehicle were also analyzed. Eighty-five (84.6%) percent of the front seat outboard "car" occupants were belted, 87% of SUVs, 86% of vans, and 69% of truck occupants were using seat belts during these observations. Truck occupants, once again, had the lowest rate for any of the vehicle categories.

The "urban" counties of Cache, Davis, Salt Lake, Utah, Washington, and Weber were analyzed separately from the "rural" counties. The seat belt usage rate for the urban counties was 85% and 70.1% for the rural counties.

INTRODUCTION

Background

Utah is composed of 29 counties; 17 of which account for at least 85 percent of the passenger vehicle crash-related fatalities according to Fatality Analysis Reporting System (FARS) data averages for the period 2008 to 2010. Therefore, we propose to sample all 17 counties in our survey.

Using a combination of the Utah Department of Transportation (UDOT) roadway file and the 2010 TIGER data developed by the U.S. Census Bureau, we developed a listing of county road segments. The UDOT roads consist of all primary and secondary roads and contain VMT. We stratified our roadway segments by functional classification (Interstate/Primary, Arterial/Secondary, and Local). In addition, the listings include segment length as determined by TIGER or UDOT. This descriptive information allowed for stratification of road segments and employed a systematic probability proportional to size (PPS) sample, to select the road segments to be used as observation sites.

All passenger vehicles with a gross vehicle weight up to 10,000 pounds were included in the survey. This included small commercial vehicles. The target population is all drivers and right front seat passengers (excluding children harnessed in child safety seats) of these vehicles who travel on public roads between the hours of 7 AM and 6 PM. The observation period for each selected road segment was 45 minutes.

Data collection was performed by single observers who received one day of classroom and field training. Quality Control (QC) Monitors made unannounced visits to scheduled data collection locations in order to ensure that data were being collected according to the research protocol.

The approaches to data weighting and belt use estimation and variance estimation comply with the Uniform Criteria and stipulate procedures to be followed when data quality goals (e.g. item response rates) are not met.

DATA COLLECTION

Survey Design

Dr. Lawrence J Cook of the University of Utah was contracted by UHSO to help with the design of the surveys. Dr. Cook used a probability-based design to gather data and estimate the seat belt usage rates for the state of Utah. All of the observations were completed in the month of June 2012. Our study design complies with criteria published in the Federal Register, Uniform Criteria for State Observational Surveys of Seat Belt Use, Vol. 76 No. 63, April 1, 2011, Rules and Regulations, pp. 18042 – 18059.

Utah is composed of 29 Counties; 17 of which account for about 86 percent of the passenger vehicle crash-related fatalities according to Utah Fatality Analysis Reporting System (FARS). Therefore, we drew sample sites from all 17 counties for inclusion in the survey. Road segments were selected randomly and with PPS from all segments in

the counties. The road segments were stratified by functional classification (Interstate/Primary, Arterial/Secondary, and Local). A random, systematic sample of 10 road segments were selected PPS within each sampled county. This process resulted in the selection of 170 road segments (17 counties x 10 sites per county).

All passenger vehicles with a gross vehicle weight up to 10,000 pounds were included in the survey. The target population was all drivers and right front seat passengers (excluding children in child safety seats) of these vehicles, travelling on the sample segment between the hours of 7 AM and 6 PM. The observation period for each selected road segment was 45 minutes.

Trained observers recorded shoulder belt use by drivers and outboard passengers at selected locations, for forty-five minute periods, between 7:00 a.m. and 6:00 p.m. in June 2012.

Training

The Contractor (Ron Perkins, MPH) individually trained each observer. A training manual was developed and given to each observer. The training covered each section of the manual and required field feedback from the observer to ensure understanding and implementation of the methodology. Quality Control checks were required for 9 of the sample sites, but QC visits were actually performed on each observer at a total of 12 sites, to make sure the observer understood how to read the maps, determine the direction of traffic to be measured, where to perform the observations, and to determine the accuracy of the observations.

Each observer was given a work schedule which included the days, times, locations, lanes and traffic directions to be observed. A detailed map for each site was also included to reduce confusion. Observers were encouraged to call with any discrepancies or questions, and were given instructions on what to do if a site could not be observed. Unannounced visits were made to 12 of the sites for quality control.

This was the first year for using voice recorders to document seat belt usage rates in Utah. This method eliminates the need to look down while writing and the problems associated with writing in inclement weather.

Observation Methodology

Each observer recorded seat belt use at predetermined locations for four to eight, 45 minute periods per shift. Random start times were selected for each day. Daily observation sites were grouped geographically to facilitate moving from one site to the next.

Observers used an Olympus DM-620 digital recorder to record their observations. These recorders were a tremendous asset in facilitating the transcription process. The observers recorded information on each vehicle in the <10,000 lb. category. Observers were instructed on what to do if traffic was moving too quickly to record information on each vehicle, or if they couldn't observe at the specified site. Finally, observers

recorded any comments they felt might be helpful when interpreting the data. Transcriptionist (Michelle Hess, Hess Transcriptions) was contracted to convert the voice recordings into an Excel spreadsheet.

DATA ANALYSIS

After data collection and transcription were completed, Dr. Cook compiled and weighted the data. Mr. Perkins then analyzed the data using *SPSS 15*, with collaboration from Dr. Cook. SPSS is a program for managing data and performing statistical analyses and it is particularly adept at manipulating data sets with many cases and variables.

Results

The surveyors observed a total of 27,983 vehicle occupants (22,046 drivers and 5,937 outboard passengers) in 2012. Forty-three percent (43%) of the observed vehicles were cars, 25% sport utility vehicles (SUV), 24% trucks, and 8% were vans.

During the 2012 observation period in Utah, the data (excluding "unknowns") showed that 81.8 percent of the drivers and 82.5 percent of the outboard passengers were wearing seat belts. The total proportion of occupants wearing seat belts was **81.9 percent.** Trucks occupants had the lowest seat belt usage rate at 69.3%, while SUVs had the highest usage rate at 87%.

Table 1 shows the percent of drivers, passengers, and combined occupants who were wearing seat belts and the change across study years (weighted).

Table 1: Seat belt Use by Vehicle type in Utah. 2012

| | Tuble 1. Beat beit ese by ve | mere type in e tain, 2012 |
|----------|------------------------------|---------------------------|
| A.I. | | 2012 |
| All | | |
| Vehicles | Share of Occupants Belted | 81.9 % |
| 01.07 | | 27.00/ |
| SUVs | Share of Occupants Belted | 87.0 % |
| Vans | Share of Occupants Belted | 86.4 % |
| Cars | Share of Occupants Belted | 84.6 % |
| Trucks | Share of Occupants Belted | 69.3 % |

Table 1 shows that the use of seat belts in "SUVs" was the highest and the lowest rate was seen in "Trucks".

According to federal guidelines, the reliability of the survey results should be within the 95 percent confidence interval. The **standard error was determined to be 0.0081**. The data were analyzed and found to be well within a standard error of 2.5 percentage points as required by NHTSA guidelines.

Regional Differences

Survey results reflect restraint use by the driver and outboard passenger in a probability sample of vehicles drawn from the counties with the greatest motor vehicle fatality rates in Utah. The seat belt usage rates for occupants are very different from county to county.

Table 2 presents the seat belt usage rates by county and by gender within each county.

Table 2: Seat belt Use by County and Gender, 2012

| County | % Belted | % Male Belted | % Female Belted |
|------------|----------|---------------|-----------------|
| Box Elder | 75.0 % | 70.0 | 80.0 |
| Cache | 75.1 | 68.7 | 81.5 |
| Carbon | 57.3 | 55.5 | 59.8 |
| Davis | 82.1 | 80.6 | 83.6 |
| Grand | 78.1 | 71.9 | 86.4 |
| Iron | 73.4 | 65.7 | 83.1 |
| Millard | 57.2 | 52.3 | 62.7 |
| Salt Lake | 88.3 | 85.4 | 92.0 |
| San Juan | 62.3 | 56.6 | 67.9 |
| Sanpete | 57.3 | 52.7 | 63.9 |
| Sevier | 73.2 | 68.0 | 79.5 |
| Summit | 92.6 | 90.2 | 95.7 |
| Tooele | 74.4 | 73.6 | 75.7 |
| Uintah | 70.8 | 69.5 | 72.7 |
| Utah | 87.1 | 82.5 | 93.5 |
| Washington | 79.0 | 73.2 | 88.1 |
| Weber | 78.4 | 74.6 | 83.5 |
| TOTAL | 81.9 % | 78.4 % | 86.4 % |

Table 2 shows Summit county had the highest usage rate and the rural counties of Millard, Carbon, and Sanpete had the lowest. Also, women had a significantly higher usage rate than men.

Table 3 presents the Urban-Rural results for seat belt use. The Urban counties included Cache, Davis, Salt Lake, Utah, Washington, and Weber. Summit County was excluded from this analysis because it contained many of the urban characteristics and was considered an outlier. The other 10 counties were considered Rural.

Table 3: Occupant Restraint Use (%) by Urban/Rural

| | Urban | Rural | | | |
|------------------|-------|-------|--|--|--|
| All Occupants | 85.0% | 70.1% | | | |
| Male Occupants | 81.6 | 65.8 | | | |
| Female Occupants | 89.4 | 75.4 | | | |
| | | | | | |
| CARS | 87.0 | 73.8 | | | |
| SUVs | 89.2 | 78.0 | | | |
| Trucks | 74.1 | 55.6 | | | |
| Vans | 89.0 | 77.8 | | | |

Table 3 shows that seat belt usage rates were considerably higher for "Urban" counties but the difference is most dramatic for urban/rural truck drivers.

Conclusions

The survey methodology for observing seat belt use changed in 2012 for the entire U.S. and territories. Utah was one of the few states that had their new methodology approved by NHTSA. The sampling methodology and statistical analyses used in this survey yielded results well within the parameters required by the Utah Highway Safety Office and the National Highway Traffic Safety Administration.

SUV occupants, females, and Urban residents were the leaders for seat belt usage this year. The theoretical profile for the individual most likely to be wearing a seat belt in Utah in June 2012, would be a female passenger riding in an SUV while in Summit County. The lowest seat belt usage profile would be a male driving a truck in Millard County.

Future enforcement and educational campaigns would be most beneficial if directed toward rural residents, and especially truck occupants.

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County * Belted Crosstabulation

| | | | Bel | | |
|--|-------------|-----------------|----------|----------|----------|
| | | | unbelted | belted | Total |
| County | Box Elder | Count | 836754 | 2505714 | 3342468 |
| | | % within County | 25.0% | 75.0% | 100.0% |
| A CONTRACTOR OF THE CONTRACTOR | Cache | Count | 519261 | 1562375 | 2081636 |
| STORAGE STORAG | | % within County | 24.9% | 75.1% | 100.0% |
| | Carbon | Count | 337218 | 452719 | 789937 |
| | | % within County | 42.7% | 57.3% | 100.0% |
| | Davis | Count | 1411108 | 6451660 | 7862768 |
| | | % within County | 17.9% | 82.1% | 100.0% |
| | Grand | Count | 269406 | 961521 | 1230927 |
| | | % within County | 21.9% | 78.1% | 100.0% |
| | Iron | Count | 615102 | 1694125 | 2309227 |
| | | % within County | 26.6% | 73.4% | 100.0% |
| | Millard | Count | 767344 | 1025245 | 1792589 |
| | | % within County | 42.8% | 57.2% | 100.0% |
| | Salt Lake . | Count | 2716042 | 20503861 | 23219903 |
| | | % within County | 11.7% | 88.3% | 100.0% |
| | San Juan | Count | 411895 | 680968 | 1092863 |
| | | % within County | 37.7% | 62.3% | 100.0% |
| | Sanpete | Count | 264569 | 355556 | 620125 |
| | 1 000 | % within County | 42.7% | 57.3% | 100.0% |
| | Sevier | Count | 301253 | 822633 | 1123886 |
| | | % within County | 26.8% | 73.2% | 100.0% |
| | Summit | Count | 188627 | 2349425 | 2538052 |
| | | % within County | 7.4% | 92.6% | 100.0% |
| | Tooele | Count | 688105 | 2003297 | 2691402 |
| | | % within County | 25.6% | 74.4% | 100.0% |
| | Uintah | Count | 300359 | 727780 | 1028139 |
| | | % within County | 29.2% | 70.8% | 100.0% |
| | Utah | Count | 1387601 | 9337789 | 10725390 |
| | | % within County | 12.9% | 87.1% | 100.0% |
| | Washington | Count | 798096 | 3010282 | 3808378 |
| | | % within County | 21.0% | 79.0% | 100.0% |
| | Weber | Count | 1025260 | 3716402 | 4741662 |
| | | % within County | 21.6% | 78.4% | 100.0% |
| Total | | Count | 12838000 | 58161352 | 70999352 |
| | | % within County | 18.1% | 81.9% | 100.0% |

Vehicle Type * Belted * County Crosstabulation

| | | | | Bel | ted | |
|-----------|---------|-------|-----------------------|----------|---------|---------|
| County | | | | unbelted | belted | Total |
| Box Elder | Vehicle | car | Count | 258031 | 1049434 | 1307465 |
| | Type | | % within Vehicle Type | 19.7% | 80.3% | 100.0% |
| | | SUV | Count | 150382 | 640940 | 791322 |
| | | | % within Vehicle Type | 19.0% | 81.0% | 100.0% |
| | | truck | Count | 323779 | 448206 | 771985 |
| | | | % within Vehicle Type | 41.9% | 58.1% | 100.0% |
| | | van | Count | 104562 | 367134 | 471696 |
| | | | % within Vehicle Type | 22.2% | 77.8% | 100.0% |
| | Total | | Count | 836754 | 2505714 | 3342468 |
| | | | % within Vehicle Type | 25.0% | 75.0% | 100.0% |
| Cache | Vehicle | car | Count | 156832 | 744306 | 901138 |
| | Type | | % within Vehicle Type | 17.4% | 82.6% | 100.0% |
| | | SUV | Count | 103739 | 418023 | 521762 |
| | | | % within Vehicle Type | 19.9% | 80.1% | 100.0% |
| | | truck | Count | 228725 | 255575 | 484300 |
| | | | % within Vehicle Type | 47.2% | 52.8% | 100.0% |
| | | van | Count | 29965 | 144471 | 174436 |
| | | | % within Vehicle Type | 17.2% | 82.8% | 100.0% |
| | Total | | Count | 519261 | 1562375 | 2081636 |
| | | | % within Vehicle Type | 24.9% | 75.1% | 100.0% |
| Carbon | Vehicle | car | Count | 138069 | 207414 | 345483 |
| | Type | | % within Vehicle Type | 40.0% | 60.0% | 100.0% |
| | | SUV | Count | 60268 | 103873 | 164141 |
| | | | % within Vehicle Type | 36.7% | 63.3% | 100.0% |
| | | truck | Count | 124793 | 106751 | 231544 |
| | | | % within Vehicle Type | 53.9% | 46.1% | 100.0% |
| | | van | Count | 14088 | 34682 | 48770 |
| | | | % within Vehicle Type | 28.9% | 71.1% | 100.0% |
| | Total | | Count | 337218 | 452720 | 789938 |
| | | | % within Vehicle Type | 42.7% | 57.3% | 100.0% |
| Davis | Vehicle | car | Count | 676835 | 3025005 | 3701840 |
| | Type | | % within Vehicle Type | 18.3% | 81.7% | 100.0% |

Vehicle Type * Belted * County Crosstabulation

| | | | | Bel | ted | |
|---------|---------|--|-----------------------|----------|---------|---------|
| County | | | | unbelted | belted | Total |
| Davis | Vehicle | SUV | Count | 261094 | 1612077 | 1873171 |
| | Type | | % within Vehicle Type | 13.9% | 86.1% | 100.0% |
| | | truck | Count | 372585 | 1029487 | 1402072 |
| | | | % within Vehicle Type | 26.6% | 73.4% | 100.0% |
| | | van | Count | 100594 | 785092 | 885686 |
| | | | % within Vehicle Type | 11.4% | 88.6% | 100.0% |
| | Total | CONTROL OF THE CONTRO | Count | 1411108 | 6451661 | 7862769 |
| | | | % within Vehicle Type | 17.9% | 82.1% | 100.0% |
| Grand | Vehicle | car | Count | 64465 | 329986 | 394451 |
| | Туре | | % within Vehicle Type | 16.3% | 83.7% | 100.0% |
| | | SUV | Count | 63874 | 331269 | 395143 |
| | | | % within Vehicle Type | 16.2% | 83.8% | 100.0% |
| | | truck | Count | 126463 | 229993 | 356456 |
| | | | % within Vehicle Type | 35.5% | 64.5% | 100.0% |
| | | van | Count | 14605 | 70273 | 84878 |
| | | | % within Vehicle Type | 17.2% | 82.8% | 100.0% |
| | Total | | Count | 269407 | 961521 | 1230928 |
| | | | % within Vehicle Type | 21.9% | 78.1% | 100.0% |
| Iron | Vehicle | car | Count | 187012 | 738588 | 925600 |
| | Type | | % within Vehicle Type | 20.2% | 79.8% | 100.0% |
| | | SUV | Count | 50886 | 391205 | 442091 |
| | | | % within Vehicle Type | 11.5% | 88.5% | 100.0% |
| | | truck | Count | 341637 | 356054 | 697691 |
| | | | % within Vehicle Type | 49.0% | 51.0% | 100.0% |
| | | van | Count | 35567 | 208278 | 243845 |
| | | | % within Vehicle Type | 14.6% | 85.4% | 100.0% |
| | Total | | Count | 615102 | 1694125 | 2309227 |
| | | | % within Vehicle Type | 26.6% | 73.4% | 100.0% |
| Millard | Vehicle | car | Count | 216789 | 433314 | 650103 |
| | Type | | % within Vehicle Type | 33.3% | 66.7% | 100.0% |
| | | SUV | Count | 188878 | 281732 | 470610 |
| | | | % within Vehicle Type | 40.1% | 59.9% | 100.0% |

Vehicle Type * Belted * County Crosstabulation

| | | | redictive contains de contracte en contracte en sacrative de contracte en de contracte de contracte en contra | Belted | | |
|-----------|---|-----------------------|--|----------|----------|----------|
| County | | | | unbelted | belted | Total |
| Millard | Vehicle | truck | Count | 302946 | 148821 | 451767 |
| | Туре | | % within Vehicle Type | 67.1% | 32.9% | 100.0% |
| | | van | Count | 58731 | 161377 | 220108 |
| | | | % within Vehicle Type | 26.7% | 73.3% | 100.0% |
| | Total | | Count | 767344 | 1025244 | 1792588 |
| | | | % within Vehicle Type | 42.8% | 57.2% | 100.0% |
| Salt Lake | Vehicle | car | Count | 1202335 | 10452589 | 11654924 |
| | Туре | | % within Vehicle Type | 10.3% | 89.7% | 100.0% |
| | | SUV | Count | 508561 | 5024049 | 5532610 |
| | | | % within Vehicle Type | 9.2% | 90.8% | 100.0% |
| | | truck | Count | 829805 | 3297431 | 4127236 |
| | | % within Vehicle Type | 20.1% | 79.9% | 100.0% | |
| | | van | Count | 175341 | 1729793 | 1905134 |
| | WILLIAM THE RAY THE REST OF THE STREET STREET, STREET STREET, STREET, STREET, STREET, STREET, STREET, STREET, | | % within Vehicle Type | 9.2% | 90.8% | 100.0% |
| | Total | | Count | 2716042 | 20503862 | 23219904 |
| | | | % within Vehicle Type | 11.7% | 88.3% | 100.0% |
| San Juan | Vehicle | car | Count | 140919 | 282838 | 423757 |
| | Туре | | % within Vehicle Type | 33.3% | 66.7% | 100.0% |
| | | SUV | Count | 65459 | 175439 | 240898 |
| | | | % within Vehicle Type | 27.2% | 72.8% | 100.0% |
| | | truck | Count | 155840 | 141313 | 297153 |
| | | | % within Vehicle Type | 52.4% | 47.6% | 100.0% |
| | | van | Count | 49677 | 81378 | 131055 |
| | | | % within Vehicle Type | 37.9% | 62.1% | 100.0% |
| | Total | | Count | 411895 | 680968 | 1092863 |
| | | | % within Vehicle Type | 37.7% | 62.3% | 100.0% |
| Sanpete | Vehicle | car | Count | 112153 | 177312 | 289465 |
| | Туре | | % within Vehicle Type | 38.7% | 61.3% | 100.0% |
| | | SUV Count % within | | 37689 | 76267 | 113956 |
| | | | % within Vehicle Type | 33.1% | 66.9% | 100.0% |
| | | truck | Count | 105350 | 90403 | 195753 |
| | | % within Vehicle Ty | | 53.8% | 46.2% | 100.0% |

Vehicle Type * Belted * County Crosstabulation

| | | Mellow Statement of the Control of t | | Bel | ted | |
|---------|---------|--|-----------------------|----------|---------|---------|
| County | | | | unbelted | belted | Total |
| Sanpete | Vehicle | van | Count | 9377 | 11574 | 20951 |
| | Type | % within Vehicle Type | | 44.8% | 55.2% | 100.0% |
| | Total | | Count | 264569 | 355556 | 620125 |
| | | | % within Vehicle Type | 42.7% | 57.3% | 100.0% |
| Sevier | Vehicle | car | Count | 84040 | 343594 | 427634 |
| | Type | | % within Vehicle Type | 19.7% | 80.3% | 100.0% |
| | | SUV | Count | 62150 | 246580 | 308730 |
| | | | % within Vehicle Type | 20.1% | 79.9% | 100.0% |
| | | truck | Count | 139195 | 165920 | 305115 |
| | | | % within Vehicle Type | 45.6% | 54.4% | 100.0% |
| | | van | Count | 15868 | 66539 | 82407 |
| | | % within Vehicle | % within Vehicle Type | 19.3% | 80.7% | 100.0% |
| | Total | | Count | 301253 | 822633 | 1123886 |
| | | | % within Vehicle Type | 26.8% | 73.2% | 100.0% |
| Summit | Vehicle | car | % within Vehicle Type | 57856 | 914874 | 972730 |
| | Туре | | | 5.9% | 94.1% | 100.0% |
| | | SUV | Count | 39730 | 808808 | 848538 |
| | | | % within Vehicle Type | 4.7% | 95.3% | 100.0% |
| | | truck | Count | 86840 | 490659 | 577499 |
| | | | % within Vehicle Type | 15.0% | 85.0% | 100.0% |
| | | van | Count | 4201 | 135083 | 139284 |
| | | | % within Vehicle Type | 3.0% | 97.0% | 100.0% |
| | Total | | Count | 188627 | 2349424 | 2538051 |
| | | | % within Vehicle Type | 7.4% | 92.6% | 100.0% |
| Tooele | Vehicle | car | Count | 342240 | 805800 | 1148040 |
| | Туре | | % within Vehicle Type | 29.8% | 70.2% | 100.0% |
| | | SUV | Count | 100637 | 496069 | 596706 |
| * | | truck | % within Vehicle Type | 16.9% | 83.1% | 100.0% |
| | | | Count | 198943 | 521615 | 720558 |
| | | | % within Vehicle Type | 27.6% | 72.4% | 100.0% |
| | | van | Count | 46285 | 179814 | 226099 |
| | | | % within Vehicle Type | 20.5% | 79.5% | 100.0% |

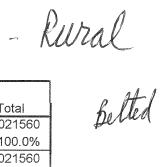
Vehicle Type * Belted * County Crosstabulation

| | | Belted | | | | |
|--|---|------------------------------------|-----------------------|----------|---------|----------|
| County | 110000000000000000000000000000000000000 | | | unbelted | belted | Total |
| Tooele | Total | | Count | 688105 | 2003298 | 2691403 |
| THE ACCUSATION AND AC | | | % within Vehicle Type | 25.6% | 74.4% | 100.0% |
| Uintah | Vehicle | car | Count | 76367 | 191591 | 267958 |
| NAMES AND ASSESSMENT OF THE PROPERTY OF THE PR | Type | | % within Vehicle Type | 28.5% | 71.5% | 100.0% |
| | | SUV | Count | 49930 | 194488 | 244418 |
| NEWSCHOOLS OF THE STATE OF THE | | | % within Vehicle Type | 20.4% | 79.6% | 100.0% |
| | | truck | Count | 168940 | 279696 | 448636 |
| | | | % within Vehicle Type | 37.7% | 62.3% | 100.0% |
| | | van | Count | 5122 | 62005 | 67127 |
| | | | % within Vehicle Type | 7.6% | 92.4% | 100.0% |
| | Total | | Count | 300359 | 727780 | 1028139 |
| | | | % within Vehicle Type | 29.2% | 70.8% | 100.0% |
| Utah | Vehicle | car | Count | 557534 | 4193597 | 4751131 |
| | Type | % within Vehicle Type | 11.7% | 88.3% | 100.0% | |
| | | SUV Count % within Vehicle Type | 163278 | 2421564 | 2584842 | |
| | | | % within Vehicle Type | 6.3% | 93.7% | 100.0% |
| | | truck | Count | 596300 | 1842644 | 2438944 |
| | | van Count | % within Vehicle Type | 24.4% | 75.6% | 100.0% |
| | | | 1 | 70490 | 879983 | 950473 |
| | | | % within Vehicle Type | 7.4% | 92.6% | 100.0% |
| | Total | | Count | 1387602 | 9337788 | 10725390 |
| | | | % within Vehicle Type | 12.9% | 87.1% | 100.0% |
| Washington | Vehicle | car | Count | 226178 | 1256335 | 1482513 |
| | Туре | | % within Vehicle Type | 15.3% | 84.7% | 100.0% |
| | | SUV | Count | 136720 | 777556 | 914276 |
| | | | % within Vehicle Type | 15.0% | 85.0% | 100.0% |
| | | truck | Count | 386672 | 718802 | 1105474 |
| | | | % within Vehicle Type | 35.0% | 65.0% | 100.0% |
| | | | Count | 48526 | 257589 | 306115 |
| | - | | % within Vehicle Type | 15.9% | 84.1% | 100.0% |
| | Total | - | Count | 798096 | 3010282 | 3808378 |
| | | | % within Vehicle Type | 21.0% | 79.0% | 100.0% |

Vehicle Type * Belted * County Crosstabulation

| | | | | Bel | ted | |
|--|---------|-----------------------|-----------------------|----------|---------|---------|
| County | | | | unbelted | belted | Total |
| Weber | Vehicle | car | Count | 379458 | 1686990 | 2066448 |
| STATE OF THE PROPERTY OF THE P | Туре | | % within Vehicle Type | 18.4% | 81.6% | 100.0% |
| | | SUV | Count | 162428 | 812416 | 974844 |
| PRINCIPAL SECURITION OF THE SECURITIES OF THE SECURITION OF THE SE | | % within Vehicle Type | 16.7% | 83.3% | 100.0% | |
| TELESCO | | % wit | Count | 402713 | 920167 | 1322880 |
| en est constituent de la constituent de | | | % within Vehicle Type | 30.4% | 69.6% | 100.0% |
| | | | Count | 80662 | 296829 | 377491 |
| | | | % within Vehicle Type | 21.4% | 78.6% | 100.0% |
| Proposition of the Control of the Co | Total | | Count | 1025261 | 3716402 | 4741663 |
| | | % within Vehicle Type | 21.6% | 78.4% | 100.0% | |

Rural-urban * Belted Crosstabulation



| | | | Bel | | |
|--|-------|----------------------|----------|----------|----------|
| | | | unbelted | belted | Total |
| Rural-urban | rural | Count | 4792004 | 11229556 | 16021560 |
| | | % within Rural-urban | 29.9% | 70.1% | 100.0% |
| Total | | Count | 4792004 | 11229556 | 16021560 |
| NA CONTRACTOR OF THE CONTRACTO | | % within Rural-urban | 29.9% | 70.1% | 100.0% |

Gender * Belted Crosstabulation

| | | | Bel | | |
|------------|--------|-----------------|----------|----------|----------|
| | | | unbelted | belted | Total |
| Gender | male | Count | 3026351 | 5833514 | 8859865 |
| | | % within Gender | 34.2% | 65.8% | 100.0% |
| NA ANDREAS | female | Count | 1764576 | 5395146 | 7159722 |
| | | % within Gender | 24.6% | 75.4% | 100.0% |
| Total | | Count | 4790927 | 11228660 | 16019587 |
| | | % within Gender | 29.9% | 70.1% | 100.0% |

Rural gender

Vehicle Type * Belted Crosstabulation

| | | | Belted | | |
|--|-------|---|----------|----------|----------|
| | | HI/AMILTON AND AND AND AND AND AND AND AND AND AN | unbelted | belted | Total |
| Vehicle | car | Count | 1620085 | 4559871 | 6179956 |
| Туре | | % within Vehicle Type | 26.2% | 73.8% | 100.0% |
| | SUV | Count | 830152 | 2937860 | 3768012 |
| | | % within Vehicle Type | 22.0% | 78.0% | 100.0% |
| 2(2000) | truck | Count | 1987885 | 2488772 | 4476657 |
| All Market and Control of the Contro | | % within Vehicle Type | 44.4% | 55.6% | 100.0% |
| | van | Count | 353882 | 1243053 | 1596935 |
| W Colonia Colo | | % within Vehicle Type | 22.2% | 77.8% | 100.0% |
| Total | | Count | 4792004 | 11229556 | 16021560 |
| | | % within Vehicle Type | 29.9% | 70.1% | 100.0% |

Rural Vahicle type

Occupant * Belted Crosstabulation

| | | NOT THE STATE OF T | Belted | | |
|----------|--|--|----------|----------|----------|
| | | | unbelted | belted | Total |
| Occupant | Driver | Count | 3531295 | 7973608 | 11504903 |
| | | % within Occupant | 30.7% | 69.3% | 100.0% |
| | Passenger | Count | 1260709 | 3255948 | 4516657 |
| | | % within Occupant | 27.9% | 72.1% | 100.0% |
| Total | THE STATE OF THE S | Count | 4792004 | 11229556 | 16021560 |
| | | % within Occupant | 29.9% | 70.1% | 100.0% |

Rural Occupant

Rural-urban * Belted Crosstabulation

| | | an managan an a | Belted | | |
|-------------|-------|--|----------|----------|----------|
| | | | unbelted | belted | Total |
| Rural-urban | urban | Count | 7857369 | 44582369 | 52439738 |
| | | % within Rural-urban | 15.0% | 85.0% | 100.0% |
| | rural | Count | 4792004 | 11229556 | 16021560 |
| | | % within Rural-urban | 29.9% | 70.1% | 100.0% |
| Total | | Count | 12649373 | 55811925 | 68461298 |
| | | % within Rural-urban | 18.5% | 81.5% | 100.0% |

Rural-urban * Belted Crosstabulation

| | | Belted | | | |
|-------------|-------|----------------------|----------|----------|----------|
| | | | unbelted | belted | Total |
| Rural-urban | urban | Count | 7857369 | 44582369 | 52439738 |
| | | % within Rural-urban | 15.0% | 85.0% | 100.0% |
| Total | | Count | 7857369 | 44582369 | 52439738 |
| | | % within Rural-urban | 15.0% | 85.0% | 100.0% |

When

Gender * Belted Crosstabulation

| | | | Belted | | |
|--------|--------|-----------------|----------|----------|----------|
| | | | unbelted | belted | Total |
| Gender | male | Count | 5444791 | 24151819 | 29596610 |
| | | % within Gender | 18.4% | 81.6% | 100.0% |
| | female | Count | 2412577 | 20430551 | 22843128 |
| | | % within Gender | 10.6% | 89.4% | 100.0% |
| Total | | Count | 7857368 | 44582370 | 52439738 |
| | | % within Gender | 15.0% | 85.0% | 100.0% |

urban gender

Vehicle Type * Belted Crosstabulation

| | | | Belted | | |
|---------|------------------------------------|-----------------------|----------|----------|----------|
| | | | unbelted | belted | Total |
| Vehicle | car | Count | 3199172 | 21358821 | 24557993 |
| Туре | | % within Vehicle Type | 13.0% | 87.0% | 100.0% |
| | SUV | Count | 1335819 | 11065685 | 12401504 |
| 0000 | | % within Vehicle Type | 10.8% | 89.2% | 100.0% |
| | truck | Count | 2816800 | 8064106 | 10880906 |
| | | % within Vehicle Type | 25.9% | 74.1% | 100.0% |
| | van Count % within Vehicle Type | Count | 505577 | 4093757 | 4599334 |
| | | 11.0% | 89.0% | 100.0% | |
| Total | - Control Control | Count | 7857368 | 44582369 | 52439737 |
| | | % within Vehicle Type | 15.0% | 85.0% | 100.0% |

urton vehicle Type

Occupant * Belted Crosstabulation

| | | | | | 4.0 |
|-----------------|-----------|-------------------|----------|----------|----------|
| 600 | | | Bel | ted | |
| | | | unbelted | belted | Total |
| Occupant | Driver | Count | 6644209 | 36730479 | 43374688 |
| | | % within Occupant | 15.3% | 84.7% | 100.0% |
| William Control | Passenger | Count | 1213159 | 7851890 | 9065049 |
| | | % within Occupant | 13.4% | 86.6% | 100.0% |
| Total | | Count | 7857368 | 44582369 | 52439737 |
| KINANA | | % within Occupant | 15.0% | 85.0% | 100.0% |

urban Seating position

Vehicle Type * Belted * Gender Crosstabulation

| | | | | Ве | lted | |
|--|-----------------------|-----------------------|-----------------------|----------|----------|----------|
| Gender | | | | unbelted | belted | Total |
| male | Vehicle | car | Count | 2629745 | 13401383 | 16031128 |
| | Туре | % within Vehicle Type | 16.4% | 83.6% | 100.0% | |
| | | SUV | Count | 1127941 | 6373353 | 7501294 |
| | | | % within Vehicle Type | 15.0% | 85.0% | 100.0% |
| | | | Count | 4309637 | 8998803 | 13308440 |
| | % within Vehicle Type | 32.4% | 67.6% | 100.0% | | |
| | | van | Count | 545860 | 2522001 | 3067861 |
| | | | % within Vehicle Type | 17.8% | 82.2% | 100.0% |
| | Total | | Count | 8613183 | 31295540 | 39908723 |
| | | | % within Vehicle Type | 21.6% | 78.4% | 100.0% |
| female | Vehicle | car | Count | 2246554 | 13430545 | 15677099 |
| Туре | Туре | | % within Vehicle Type | 14.3% | 85.7% | 100.0% |
| | | SUV | Count | 1077497 | 8438367 | 9515864 |
| H-NOTING COORDINATE OF THE NAME OF THE NAM | | % withi | % within Vehicle Type | 11.3% | 88.7% | 100.0% |
| | | truck | Count | 581889 | 2044470 | 2626359 |
| | | | % within Vehicle Type | 22.2% | 77.8% | 100.0% |
| | | van | Count | 317801 | 2949893 | 3267694 |
| | | | % within Vehicle Type | 9.7% | 90.3% | 100.0% |
| | Total | | Count | 4223741 | 26863275 | 31087016 |
| | | | % within Vehicle Type | 13.6% | 86.4% | 100.0% |

Road Type * Belted Crosstabulation

| | 330000000000000000000000000000000000000 | | Belted | | |
|-------|---|--------------------|----------|----------|----------|
| | | | unbelted | belted | Total |
| Road | Primary | Count | 4356058 | 26189353 | 30545411 |
| Туре | | % within Road Type | 14.3% | 85.7% | 100.0% |
| | Secondary | Count | 7221701 | 28012051 | 35233752 |
| | | % within Road Type | 20.5% | 79.5% | 100.0% |
| | Local | Count | 1260240 | 3959946 | 5220186 |
| | | % within Road Type | 24.1% | 75.9% | 100.0% |
| Total | | Count | 12837999 | 58161350 | 70999349 |
| | | % within Road Type | 18.1% | 81.9% | 100.0% |