

CRASHES

This section presents a series of data displays which identify total crashes by severity, contributing factors by severity, percentage of crashes by crash type, fatalities by county, crashes involving fixed objects, construction zone crashes by type, and gender and age data of drivers involved.

1998 SUMMARY ANALYSIS

- ◆ There were a total of 59,726 traffic crashes in 1998; 40,924 (68.5%) of the crashes resulted in property damage only, 18,487 (31%) of the crashes resulted in injuries, 315 (.5%) of the crashes resulted in one or more fatalities.
- ◆ There were a total of 28,400 people injured and 361 killed on Nevada public roadways in 1998.
- ◆ The top three crash types by severity were:

| Fatal Crashes | Injury Crashes | Prop. Damage Only Crashes |
|---------------------------------|------------------------|-----------------------------|
| 1. Ran off roadway & Overturned | 1. Rear End Collision | 1. Rear End Collision |
| 2. Pedestrian | 2. Angle Collision | 2. Sideswipe-Same Direction |
| 3. Hit median & overturned | 3. Left Turn Collision | 3. Angle Collision |

- ◆ The top three contributing factors by severity were:

| Fatal Crashes | Injury Crashes | Prop. Damage Only Crashes |
|--|----------------------------|----------------------------|
| 1. Alcohol | 1. Failure to Yield | 1. Failure to Yield |
| 2. Failure to Yield | 2. Failure to Reduce Speed | 2. Failure to Reduce Speed |
| 3. Inattentive Driving & Excessive Speed | 3. Inattentive Driving | 3. Inattentive Driving |

- ◆ The only county in Nevada with no reported fatal crashes in 1998 was Storey County.
- ◆ The most frequently struck fixed objects along Nevada's highways were concrete barrier rails.
- ◆ The most common type of vehicle involved in crashes was the standard passenger car. Pick-up trucks and Small passenger cars ranked number 2 and 3 respectively. Trucks with one trailer ranked number 4.
- ◆ There were 1,427 construction zone crashes that resulted in 7 killed and 616 injured.
- ◆ Male and Female drivers between the ages of 25 and 34 show the highest crash totals.

1998 TOTAL CRASHES BY SEVERITY

**TOTAL
CRASHES**
59,726

**PROPERTY
DAMAGE
ONLY**
40,924
68.5%

**INJURY
CRASHES**
18,487
31.0%

**FATAL
CRASHES**
315
0.5%

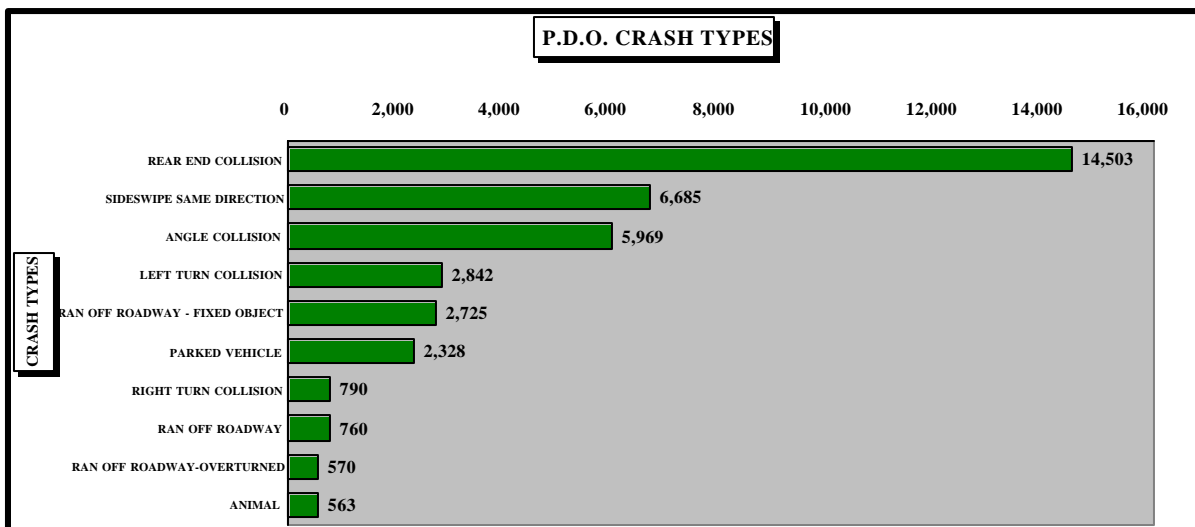
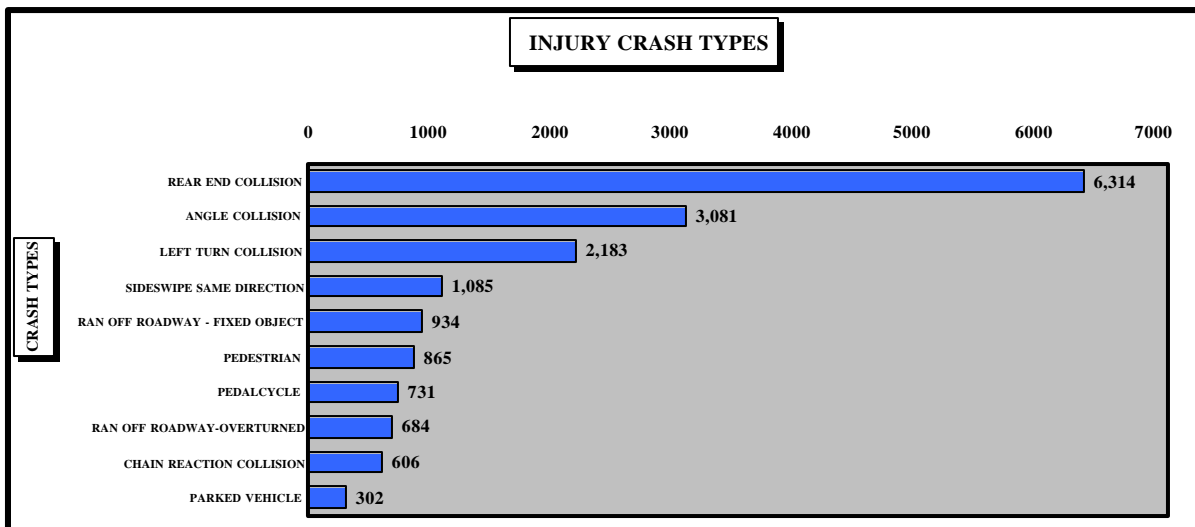
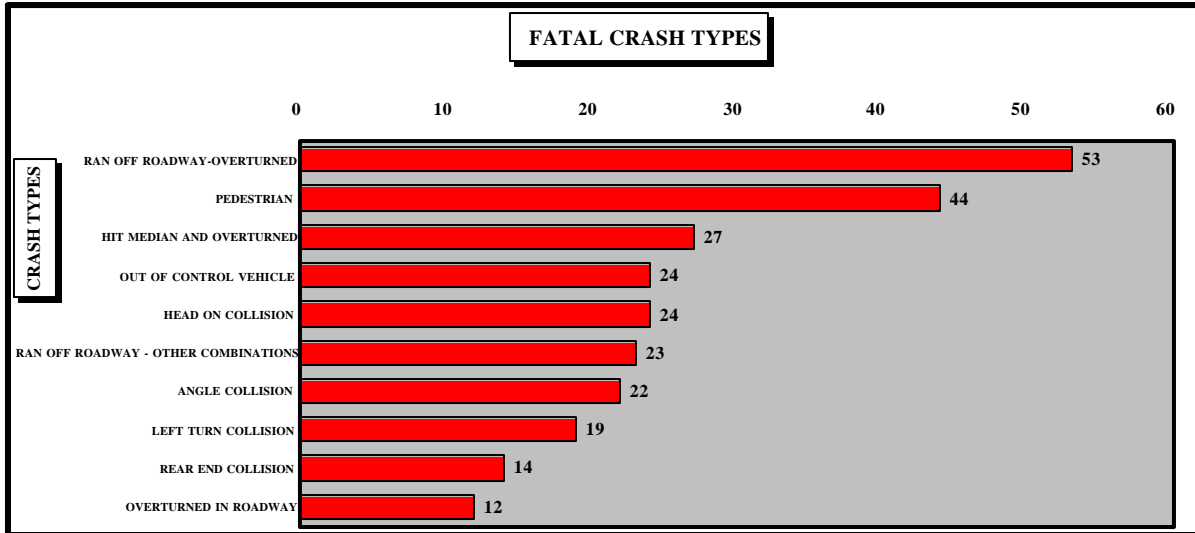
**TOTAL
INJURIES**
28,400

**TOTAL
FATALITIES**
361

**CRASH TYPES BY SEVERITY
STATEWIDE**

| TYPE OF CRASH | PROPERTY DAMAGE ONLY CRASH | INJURY ONLY CRASH | FATAL CRASH | TOTAL CRASH | NO. OF INJURIES | NO. OF FATALITIES |
|---|---|----------------------------------|------------------------|------------------------|----------------------------|------------------------------|
| REAR END COLLISION | 14,503 | 6,314 | 14 | 20,831 | 9,792 | 15 |
| ANGLE COLLISION | 5,969 | 3,081 | 22 | 9,072 | 5,049 | 27 |
| SIDESWIPE SAME DIRECTION | 6,686 | 1,085 | 7 | 7,778 | 1,565 | 7 |
| LEFT TURN COLLISION | 2,842 | 2,183 | 19 | 5,044 | 3,752 | 19 |
| RAN OFF ROADWAY - FIXED OBJECT | 2,727 | 934 | 11 | 3,672 | 1,204 | 11 |
| PARKED VEHICLE | 2,328 | 302 | 7 | 2,637 | 373 | 8 |
| RAN OFF ROADWAY-OVERTURNED | 570 | 684 | 53 | 1,307 | 1,071 | 59 |
| RIGHT TURN COLLISION | 790 | 191 | 1 | 982 | 287 | 1 |
| CHAIN REACTION COLLISION | 350 | 606 | 4 | 960 | 1,243 | 4 |
| RAN OFF ROADWAY | 760 | 162 | 0 | 922 | 208 | 0 |
| PEDESTRIAN | 1 | 865 | 44 | 910 | 928 | 45 |
| PEDALCYCLE | 0 | 731 | 5 | 736 | 754 | 5 |
| OUT OF CONTROL VEHICLE | 466 | 240 | 24 | 730 | 482 | 30 |
| ANIMAL | 565 | 57 | 0 | 622 | 79 | 0 |
| RAN OFF ROAD STRUCK MEDIAN FIXED OBJECT | 313 | 155 | 4 | 472 | 201 | 4 |
| OBJECT THROWN FROM OTHER VEHICLE | 364 | 13 | 0 | 377 | 16 | 0 |
| RAN OFF ROADWAY - OTHER COMBINATIONS | 139 | 176 | 23 | 338 | 265 | 25 |
| OBJECT IN ROADWAY | 295 | 24 | 0 | 319 | 33 | 0 |
| OVERTURNED IN ROADWAY | 117 | 187 | 12 | 316 | 255 | 12 |
| SIDESWIPE OPPOSITE DIRECTION | 213 | 99 | 2 | 314 | 171 | 2 |
| HIT MEDIAN AND OVERTURNED | 84 | 157 | 27 | 268 | 267 | 31 |
| OTHER NON MOTOR VEHICLE | 142 | 30 | 0 | 172 | 34 | 0 |
| RAN OFF ROAD INTO MEDIAN | 140 | 25 | 0 | 165 | 27 | 0 |
| HEAD ON COLLISION | 47 | 84 | 24 | 155 | 194 | 44 |
| OTHER NON COLLISION | 126 | 14 | 1 | 141 | 14 | 1 |
| RAN OFF ROADWAY EMBANKMENT | 77 | 31 | 2 | 110 | 43 | 2 |
| RAN OFF ROADWAY - CULVERT OR ABUTMENT | 46 | 18 | 0 | 64 | 26 | 0 |
| PROTRUDING PART OF VEHICLE | 55 | 7 | 0 | 62 | 8 | 0 |
| TRAILING VEHICLE DISCONNECTS | 52 | 1 | 0 | 53 | 2 | 0 |
| OTHER TYPE COLLISION | 36 | 8 | 1 | 45 | 11 | 1 |
| UNKNOWN NON COLLISION | 39 | 2 | 0 | 41 | 2 | 0 |
| DOWN EMBANKMENT OR CLIFF | 14 | 15 | 6 | 35 | 36 | 6 |
| JACK-KNIFE IN ROADWAY | 30 | 0 | 0 | 30 | 0 | 0 |
| HIT PARKED VEHICLE OFF ROADWAY | 13 | 3 | 1 | 17 | 5 | 1 |
| UNKNOWN COLLISION | 14 | 2 | 0 | 16 | 2 | 0 |
| HIT RAILROAD XING GATE ACROSS ROAD | 8 | 0 | 0 | 8 | 0 | 0 |
| UNKNOWN NON MOTOR VEHICLE | 3 | 0 | 0 | 3 | 0 | 0 |
| TRAIN | 0 | 1 | 1 | 2 | 1 | 1 |
| RAN OFF ROADWAY AT RAILROAD CROSSING | 0 | 0 | 0 | 0 | 0 | 0 |
| RAN OFF ROADWAY INTO RIVER | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 40,924 | 18,487 | 315 | 59,726 | 28,400 | 361 |

TOP TEN CRASH TYPES BY SEVERITY



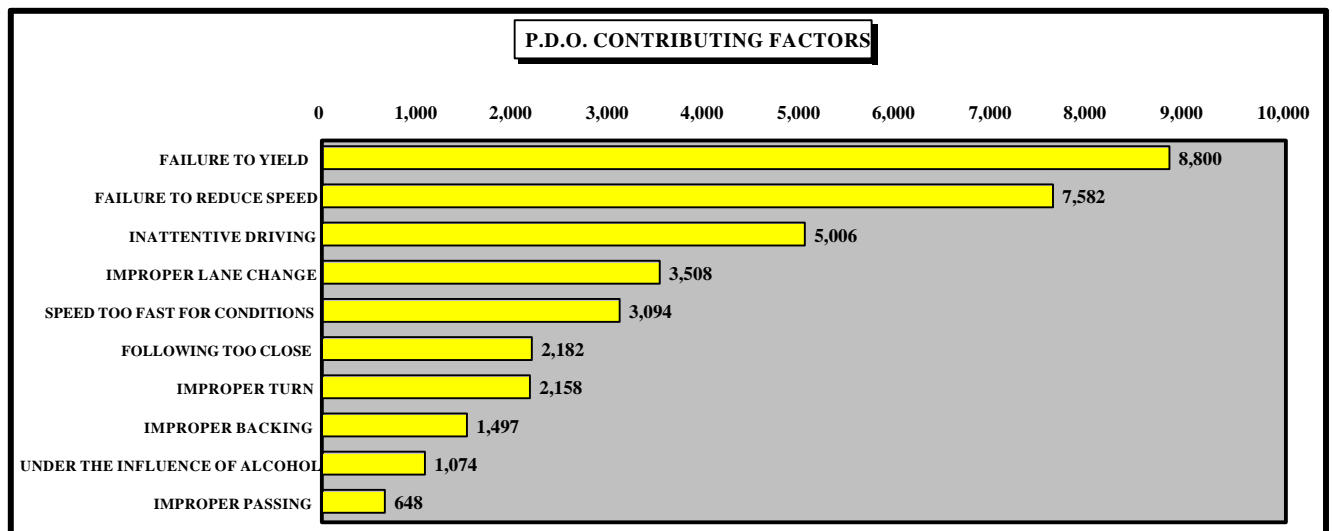
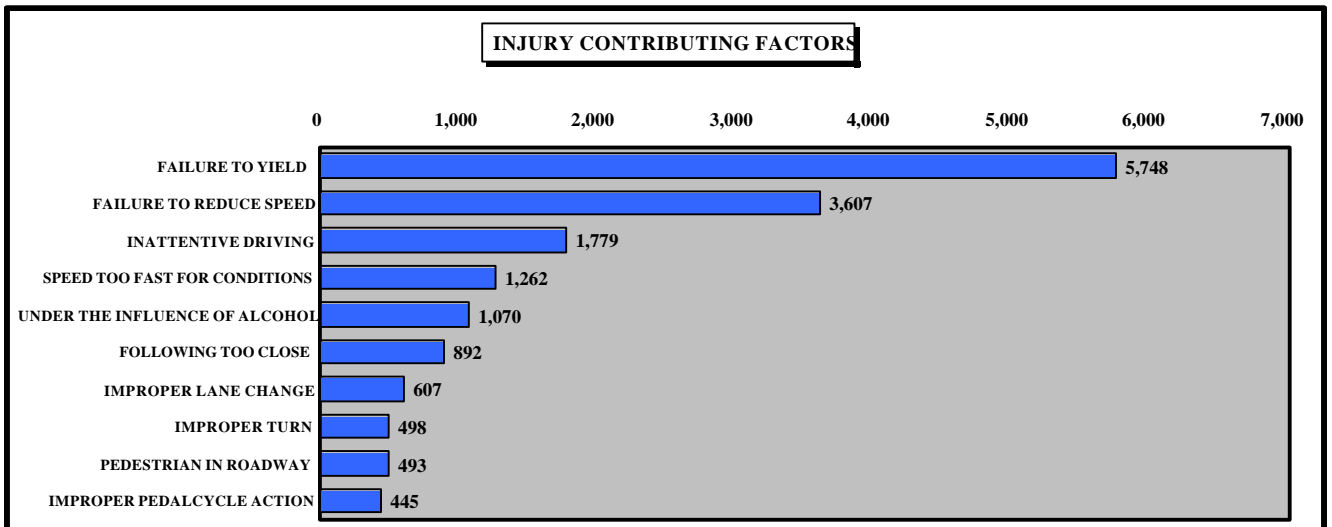
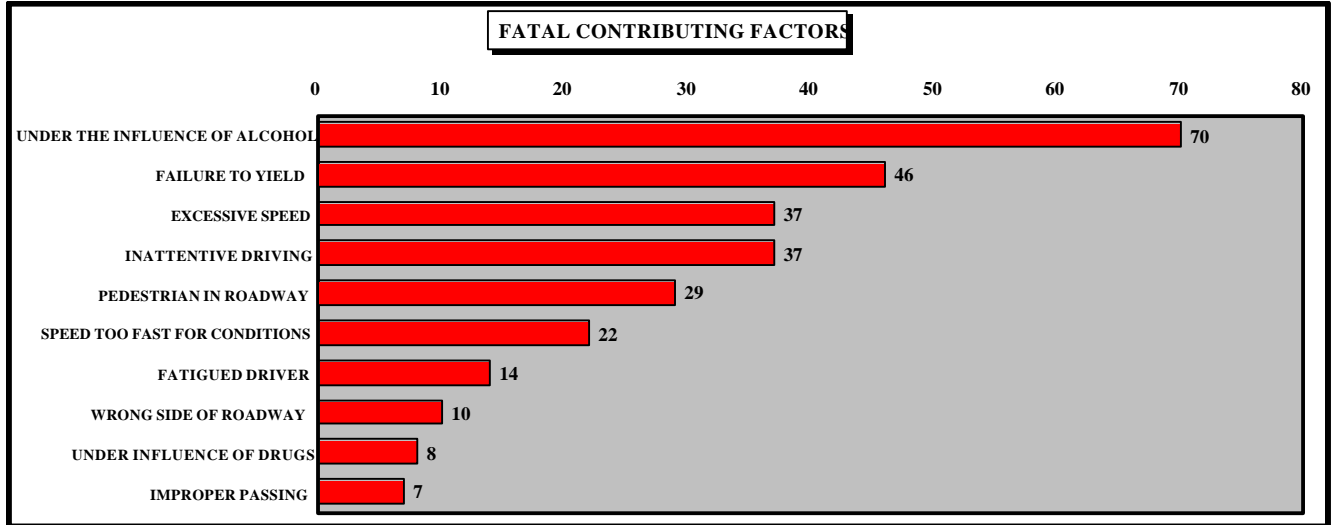
**CONTRIBUTING FACTORS BY SEVERITY
STATEWIDE**

| CONTRIBUTING FACTORS | PROPERTY DAMAGE ONLY CRASHES | INJURY ONLY CRASHES | FATAL CRASHES | TOTAL CRASHES | NO. OF INJURIES | NO. OF FATALITIES |
|------------------------------------|---------------------------------------|---------------------------|------------------|------------------|--------------------|----------------------|
| FAILURE TO YIELD | 8,800 | 5,748 | 46 | 14,594 | 9,526 | 48 |
| FAILURE TO REDUCE SPEED | 7,582 | 3,607 | 4 | 11,193 | 5,698 | 4 |
| INATTENTIVE DRIVING | 5,006 | 1,779 | 37 | 6,822 | 2,439 | 41 |
| SPEED TOO FAST FOR CONDITIONS | 3,094 | 1,262 | 22 | 4,378 | 1,939 | 26 |
| IMPROPER LANE CHANGE | 3,508 | 607 | 4 | 4,119 | 868 | 4 |
| FOLLOWING TOO CLOSE | 2,182 | 892 | 0 | 3,074 | 1,344 | 0 |
| IMPROPER TURN | 2,158 | 498 | 1 | 2,657 | 714 | 1 |
| UNDER THE INFLUENCE OF ALCOHOL | 1,074 | 1,070 | 70 | 2,214 | 1,726 | 78 |
| IMPROPER BACKING | 1,497 | 92 | 0 | 1,589 | 117 | 0 |
| NON-CONTACT VEHICLE | 644 | 251 | 3 | 898 | 334 | 4 |
| IMPROPER PASSING | 648 | 120 | 7 | 775 | 188 | 9 |
| EXCESSIVE SPEED | 323 | 244 | 37 | 604 | 440 | 41 |
| FATIGUED DRIVER | 283 | 262 | 14 | 559 | 414 | 16 |
| PEDESTRIAN IN ROADWAY | 20 | 493 | 29 | 542 | 523 | 30 |
| DRIVING IN IMPROPER MANNER | 305 | 202 | 2 | 509 | 313 | 2 |
| IMPROPER PEDALCYCLE ACTION | 16 | 445 | 4 | 465 | 464 | 4 |
| OBJECTS IN ROADWAY | 318 | 50 | 0 | 368 | 66 | 0 |
| HIT AND RUN | 345 | 15 | 1 | 361 | 17 | 1 |
| DEER IN ROADWAY | 288 | 12 | 0 | 300 | 16 | 0 |
| UNSAFE LOAD | 284 | 11 | 0 | 295 | 14 | 0 |
| DRIVER DISTRACTED | 179 | 95 | 0 | 274 | 140 | 0 |
| OTHER FACTOR | 222 | 47 | 1 | 270 | 61 | 1 |
| DEFECTIVE TIRES | 181 | 82 | 6 | 269 | 138 | 6 |
| IMPROPER START FROM PARKING | 220 | 40 | 0 | 260 | 59 | 0 |
| UNOCCUPIED MOVING VEHICLE | 220 | 18 | 0 | 238 | 21 | 0 |
| COW IN ROADWAY | 165 | 22 | 0 | 187 | 32 | 0 |
| DEFECTIVE VEHICLE | 155 | 22 | 0 | 177 | 26 | 0 |
| WRONG SIDE OF ROADWAY | 93 | 63 | 10 | 166 | 144 | 26 |
| DRIVER PHYSICAL DEFECT | 82 | 66 | 1 | 149 | 85 | 1 |
| DEFECTIVE BRAKES | 105 | 41 | 1 | 147 | 78 | 1 |
| DEFECTIVE TRAILING UNIT | 96 | 10 | 0 | 106 | 14 | 0 |
| ANIMAL IN ROADWAY | 68 | 30 | 0 | 98 | 43 | 0 |
| UNDER INFLUENCE OF DRUGS | 53 | 27 | 8 | 88 | 55 | 9 |
| IN PURSUIT/FLEEING | 65 | 18 | 0 | 83 | 23 | 0 |
| DOGS/COYOTES IN ROADWAY | 66 | 7 | 1 | 74 | 10 | 1 |
| DEFECTIVE ROADWAY | 45 | 15 | 0 | 60 | 19 | 0 |
| UNKNOWN FACTOR | 54 | 5 | 0 | 59 | 5 | 0 |
| OPENING DOOR INTO TRAFFIC | 49 | 9 | 0 | 58 | 9 | 0 |
| LOOSE MATERIAL ON SURFACE | 35 | 21 | 0 | 56 | 22 | 0 |
| IMPROPER USE OF TURN LANE | 47 | 7 | 0 | 54 | 11 | 0 |
| BAD WEATHER | 34 | 15 | 1 | 50 | 22 | 2 |
| VEHICLE STALLED IN LANE | 37 | 12 | 0 | 49 | 20 | 0 |
| HORSE IN ROADWAY | 40 | 7 | 0 | 47 | 7 | 0 |
| PRIOR ACCIDENT | 27 | 8 | 1 | 36 | 12 | 1 |
| DRIVER VISION OBSCURED | 19 | 13 | 0 | 32 | 22 | 0 |
| NON-DESIGNATED TRAVEL LANE | 20 | 7 | 0 | 27 | 9 | 0 |
| FAILURE TO YIELD TO EMERGENCY VEH. | 16 | 10 | 0 | 26 | 12 | 0 |

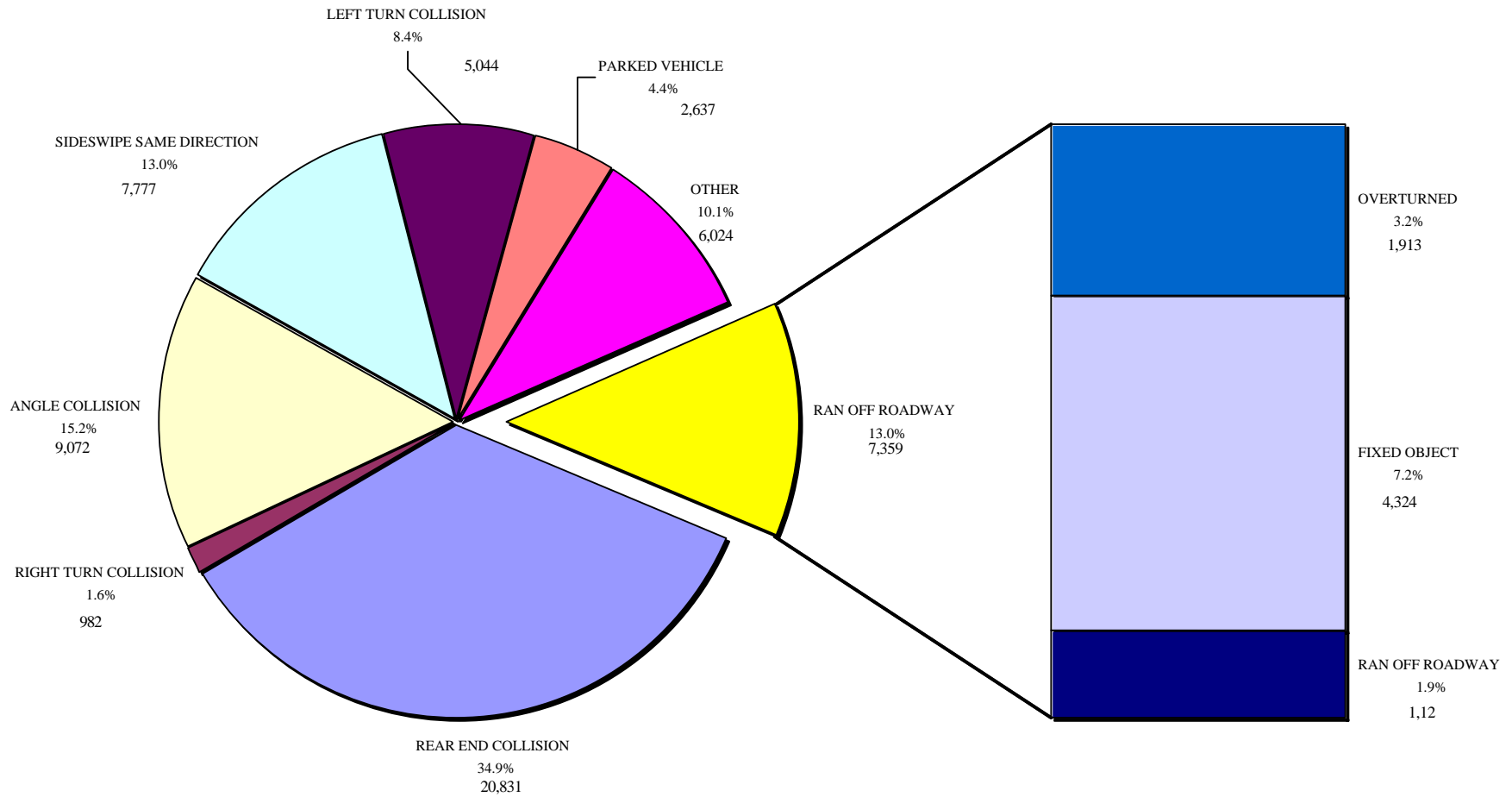
STATEWIDE

| CONTRIBUTING FACTORS | PROPERTY DAMAGE ONLY CRASHES | INJURY ONLY CRASHES | FATAL CRASHES | TOTAL CRASHES | NO. OF INJURIES | NO. OF FATALITIES |
|------------------------------------|---|------------------------------------|--------------------------|--------------------------|----------------------------|------------------------------|
| IMPROPER PARKING | 20 | 5 | 0 | 25 | 9 | 0 |
| INEXPERIENCED DRIVER | 17 | 6 | 1 | 24 | 10 | 1 |
| VEHICLE TO HIGH | 23 | 0 | 0 | 23 | 0 | 0 |
| NOT IMPROPER PEDALCYCLE ACTION | 0 | 21 | 0 | 21 | 21 | 0 |
| PUSH/FELL FROM VEHICLE | 1 | 20 | 0 | 21 | 24 | 0 |
| FAILURE TO OBEY TEMP. TRAFFIC SIGN | 16 | 4 | 0 | 20 | 5 | 0 |
| ROCKS IN ROADWAY | 16 | 4 | 0 | 20 | 4 | 0 |
| WRONG WAY ON ONE WAY STREET | 11 | 6 | 2 | 19 | 15 | 2 |
| LIGHTS NOT ON | 6 | 11 | 0 | 17 | 18 | 0 |
| NOT IMPROPER PEDESTRIAN ACTION | 1 | 12 | 1 | 14 | 12 | 1 |
| DEFECTIVE STEERING | 8 | 5 | 0 | 13 | 11 | 0 |
| SMALL CHILD AT WHEEL | 8 | 3 | 0 | 11 | 3 | 0 |
| MOUNTAIN DRIVING | 5 | 5 | 0 | 10 | 7 | 0 |
| ELK IN ROADWAY | 6 | 2 | 0 | 8 | 2 | 0 |
| BURRO IN ROADWAY | 6 | 1 | 0 | 7 | 2 | 0 |
| FAILURE TO SIGNAL | 4 | 1 | 0 | 5 | 1 | 0 |
| ANTELOPE IN ROADWAY | 4 | 1 | 0 | 5 | 1 | 0 |
| RAILROAD XING MALFUNCTION | 3 | 0 | 0 | 3 | 0 | 0 |
| DESIGN FACTOR | 0 | 2 | 0 | 2 | 3 | 0 |
| BIG HORN SHEEP IN ROADWAY | 1 | 1 | 0 | 2 | 2 | 0 |
| TOTAL | 40,924 | 18,487 | 315 | 59,726 | 28,409 | 361 |

TOP TEN CRASH PRIMARY CONTRIBUTING FACTORS BY SEVERITY

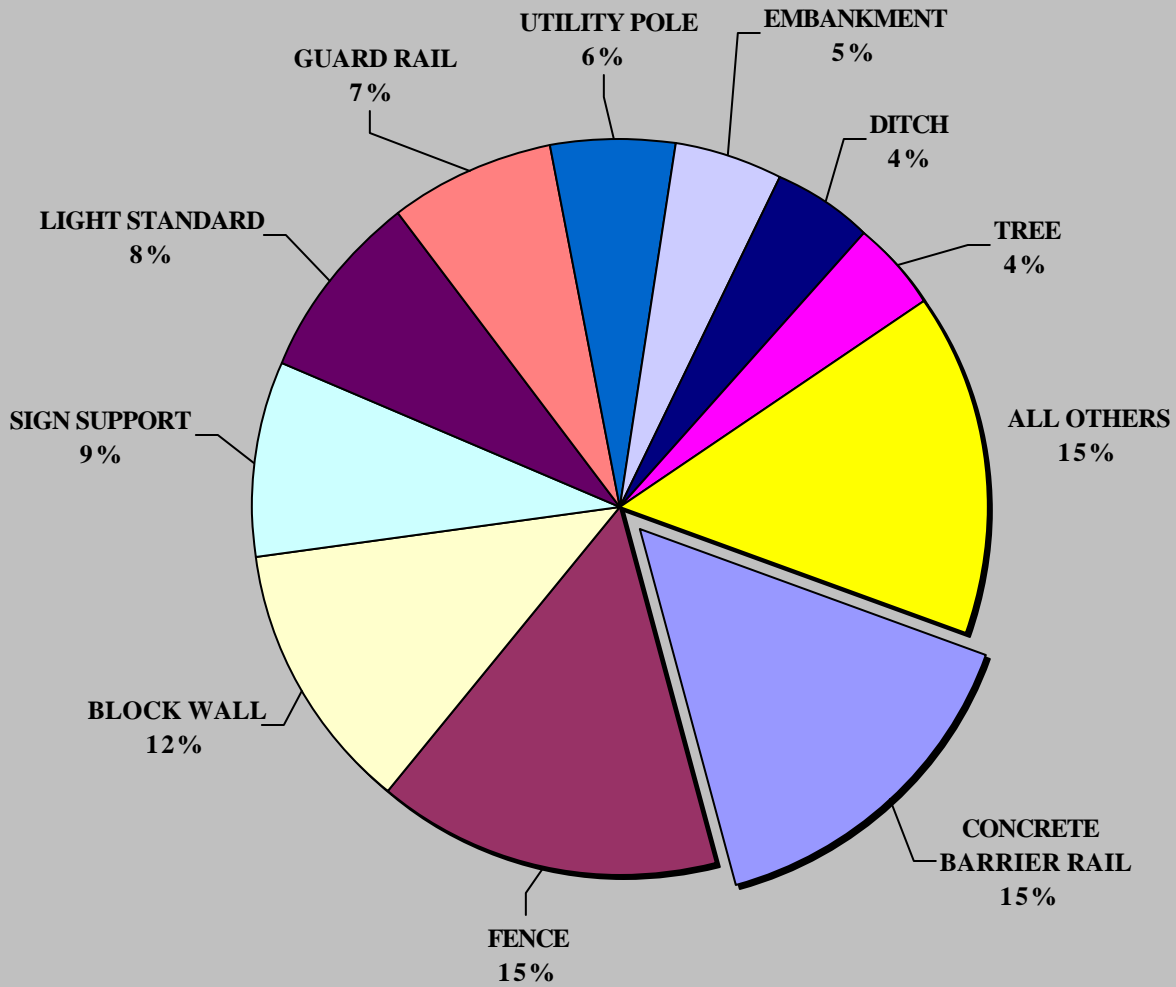


PERCENTAGE OF CRASHES BY TYPE



REAR END, ANGLE AND SIDESWIPE-SAME DIRECTION COLLISIONS WERE THE MAJOR CRASH TYPES FOR 1998.

1998 CRASHES INVOLVING FIXED OBJECTS

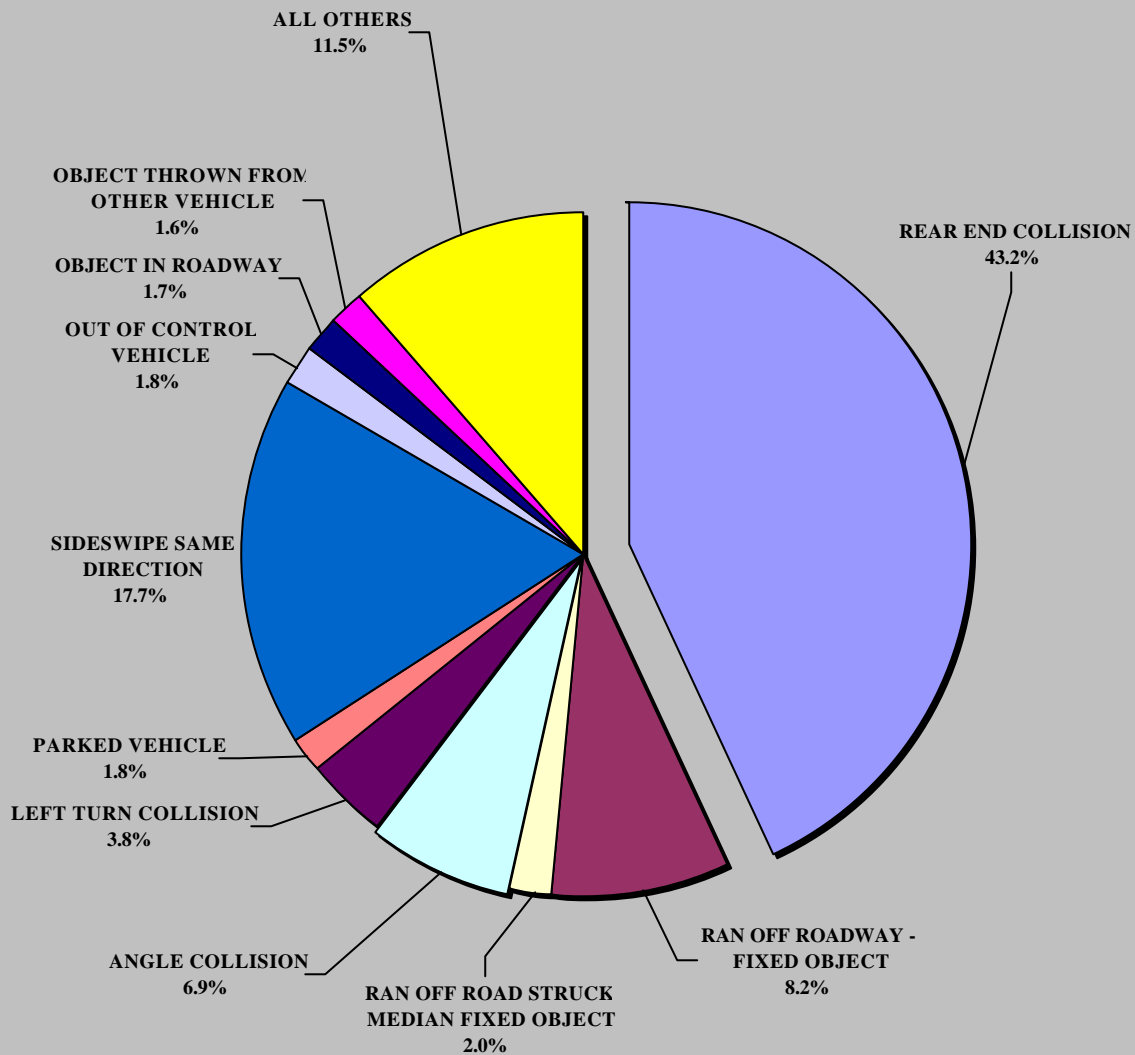


***5485 TOTAL CRASHES**

DURING 1998 THE MOST FREQUENTLY STRUCK FIXED OBJECT ALONG NEVADA'S HIGHWAYS WERE CONCRETE BARRIER RAIL. FIXED OBJECT COLLISIONS COMPRISED 10.9% OF ALL 1998 CRASHES AS COMPARED TO 8.6% IN 1997.

***NOTE: FIXED OBJECTS CAN ALSO BE INVOLVED IN OTHER CRASH TYPES SUCH AS REAR END ANGLE, LEFT TURN ETC. WHEN A FIXED OBJECT IS HIT AFTER THE PRIMARY COLLISION.**

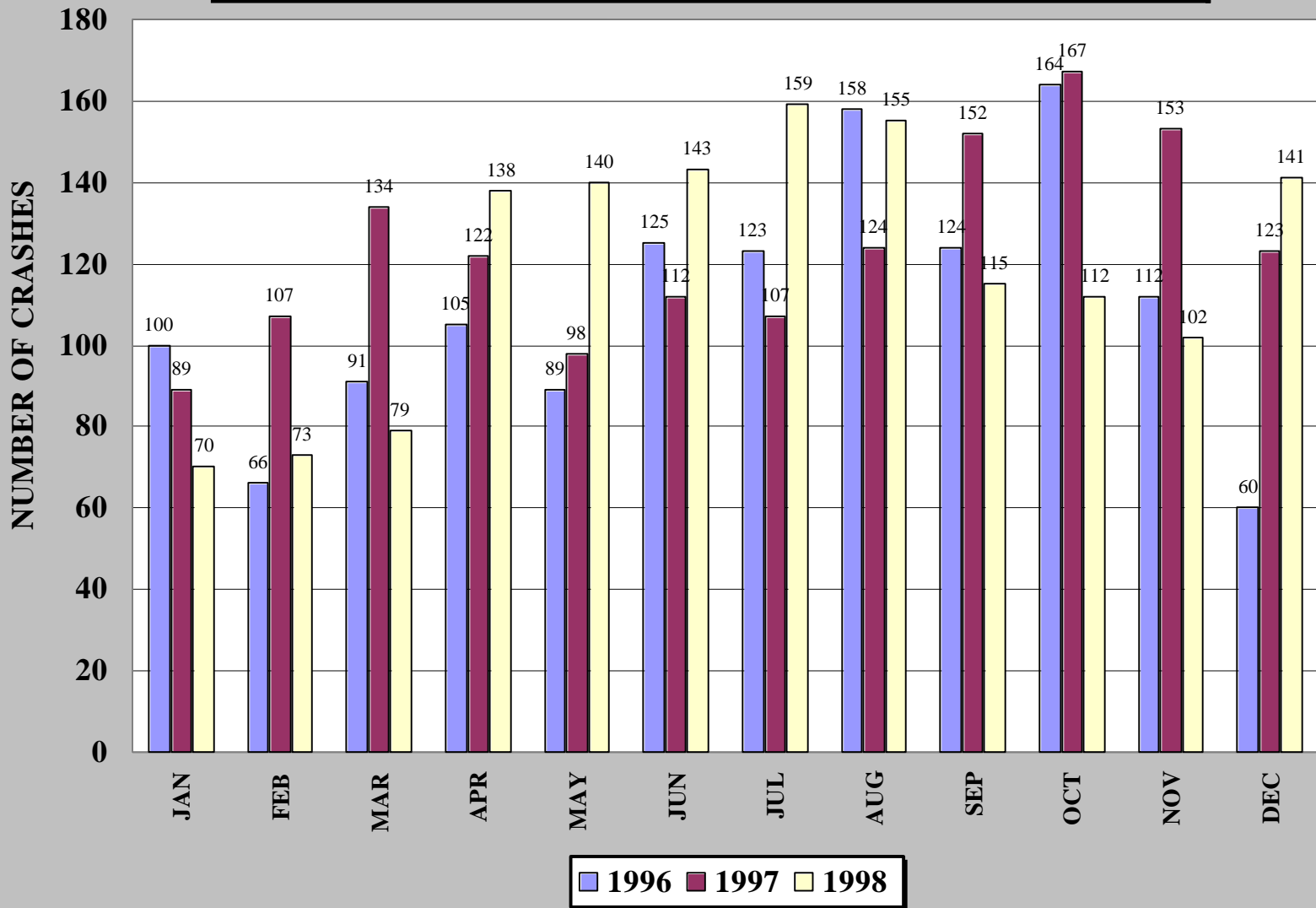
CONSTRUCTION ZONE CRASHES BY TYPE 1998



1,427 TOTAL CRASHES

THERE WERE 616 INJURIES ASSOCIATED WITH 430 INJURY CRASHES AND 7 FATALITIES ASSOCIATED WITH 7 FATAL CRASHES WITHIN A CONSTRUCTION ZONE IN 1998.

CONSTRUCTION ZONE CRASHES BY MONTH AND YEAR

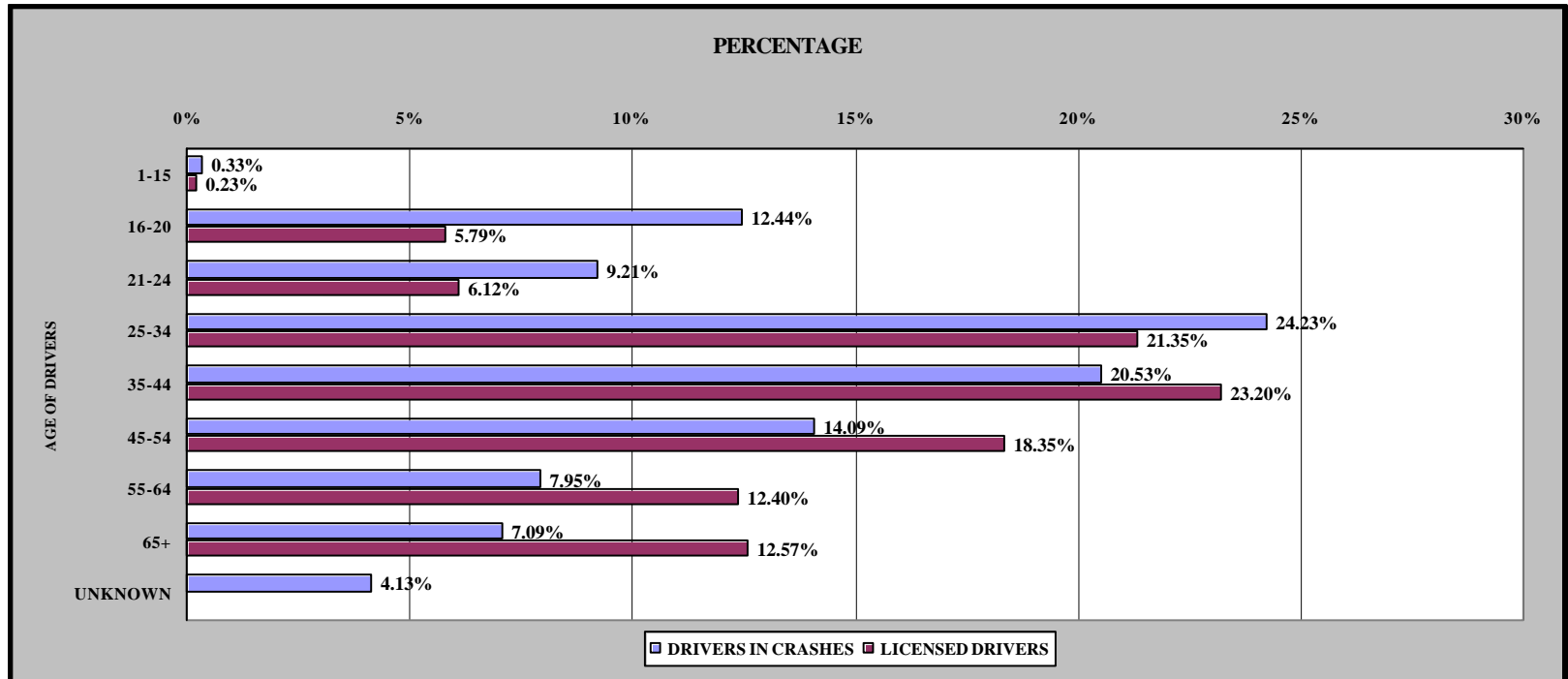


1998

AGE OF DRIVERS INVOLVED IN CRASHES

| AGE OF DRIVER | DRIVERS | % OF | DRIVERS | % OF | DRIVERS | % OF | DRIVERS | % OF | TOTAL LICENSED DRIVER | % OF TOTAL LICENSED DRIVER |
|---------------------|-------------------|---------------------------|-------------------|---------------------------|------------------|--------------------------|------------------|--------------------------|-----------------------|----------------------------|
| | IN P.D.O. CRASHES | DRIVERS IN P.D.O. CRASHES | IN INJURY CRASHES | DRIVERS IN INJURY CRASHES | IN FATAL CRASHES | DRIVERS IN FATAL CRASHES | IN TOTAL CRASHES | DRIVERS IN TOTAL CRASHES | | |
| 1 - 15 | 179 | 0.26% | 151 | 0.48% | 2 | 0.46% | 332 | 0.33% | 3,185 | 0.23% |
| 16 - 20 | 8,454 | 12.19% | 4,127 | 12.99% | 58 | 13.46% | 12,639 | 12.44% | 80,553 | 5.79% |
| 21 - 24 | 6,331 | 9.13% | 2,981 | 9.38% | 46 | 10.67% | 9,358 | 9.21% | 85,114 | 6.12% |
| 25 - 34 | 16,616 | 23.95% | 7,902 | 24.87% | 97 | 22.51% | 24,615 | 24.23% | 297,087 | 21.35% |
| 35 - 44 | 14,166 | 20.42% | 6,610 | 20.81% | 76 | 17.63% | 20,852 | 20.53% | 322,803 | 23.20% |
| 45 - 54 | 9,779 | 14.10% | 4,475 | 14.09% | 58 | 13.46% | 14,312 | 14.09% | 255,290 | 18.35% |
| 55 - 64 | 5,518 | 7.95% | 2,520 | 7.93% | 40 | 9.28% | 8,078 | 7.95% | 172,479 | 12.40% |
| 65+ | 4,792 | 6.91% | 2,358 | 7.42% | 50 | 11.60% | 7,200 | 7.09% | 174,889 | 12.57% |
| UNKNOWN | 3,544 | 5.11% | 645 | 2.03% | 4 | 0.93% | 4,193 | 4.13% | | 0.00% |
| TOTAL DRIVER | 69,379 | 100% | 31,769 | 100% | 431 | 100% | 101,579 | 100% | 1,391,400 | 100% |

BASED ON DRIVER 1 AND DRIVER 2 IN P.D.O., INJURY AND FATAL CRASHES

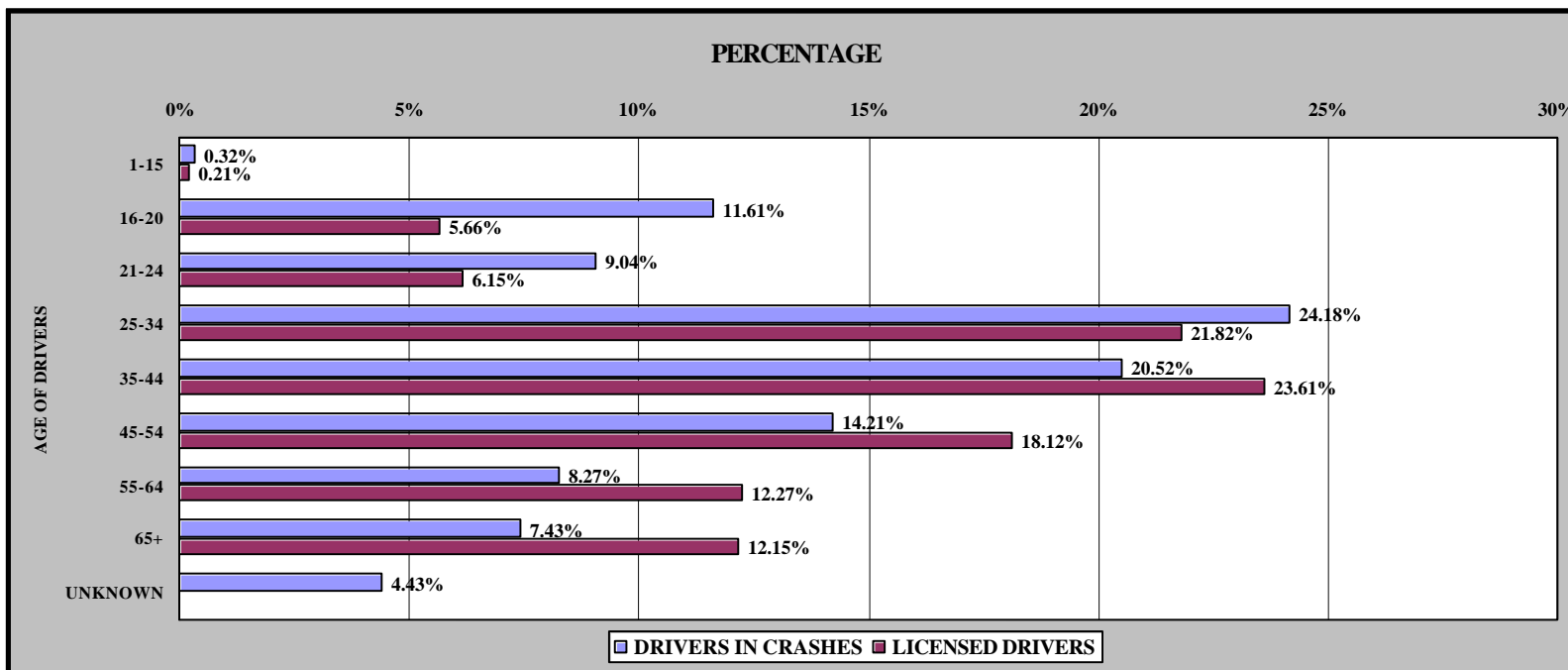


1998

AGE OF MALE DRIVERS INVOLVED IN CRASHES

| AGE OF DRIVER | DRIVERS IN P.D.O. CRASHES | % OF DRIVERS IN P.D.O. CRASHES | DRIVERS IN INJURY CRASHES | % OF DRIVERS IN INJURY CRASHES | DRIVERS IN FATAL CRASHES | % OF DRIVERS IN FATAL CRASHES | DRIVERS IN TOTAL CRASHES | % OF DRIVERS IN TOTAL CRASHES | MALE LICENSED DRIVER | % OF TOTAL LICENSED DRIVER |
|---------------|---------------------------|--------------------------------|---------------------------|--------------------------------|--------------------------|-------------------------------|--------------------------|-------------------------------|----------------------|----------------------------|
| | | | | | | | | | | |
| 1-15 | 110 | 0.25% | 94 | 0.48% | 1 | 0.31% | 205 | 0.32% | 1,554 | 0.21% |
| 16-20 | 5,049 | 11.40% | 2,347 | 12.09% | 36 | 11.29% | 7,432 | 11.61% | 42,811 | 5.66% |
| 21-24 | 3,943 | 8.90% | 1,811 | 9.33% | 36 | 11.29% | 5,790 | 9.04% | 46,534 | 6.15% |
| 25-34 | 10,625 | 23.98% | 4,780 | 24.63% | 76 | 23.82% | 15,481 | 24.18% | 165,031 | 21.82% |
| 35-44 | 9,028 | 20.38% | 4,046 | 20.85% | 61 | 19.12% | 13,135 | 20.52% | 178,578 | 23.61% |
| 45-54 | 6,315 | 14.26% | 2,738 | 14.11% | 43 | 13.48% | 9,096 | 14.21% | 137,063 | 18.12% |
| 55-64 | 3,666 | 8.28% | 1,600 | 8.24% | 26 | 8.15% | 5,292 | 8.27% | 92,789 | 12.27% |
| 65+ | 3,199 | 7.22% | 1,525 | 7.86% | 36 | 11.29% | 4,760 | 7.43% | 91,873 | 12.15% |
| UNKNOWN | 2,365 | 5.34% | 465 | 2.40% | 4 | 1.25% | 2,834 | 4.43% | | |
| TOTAL | 44,300 | 100% | 19,406 | 100% | 319 | 100% | 64,025 | 100% | 756,233 | 100% |

BASED ON DRIVER 1 AND DRIVER 2 IN P.D.O., INJURY AND FATAL CRASHES



1998

AGE OF FEMALE DRIVERS INVOLVED IN CRASHES

| AGE OF DRIVER | DRIVERS IN P.D.O. CRASHES | % OF DRIVERS IN P.D.O. CRASHES | DRIVERS IN INJURY CRASHES | % OF DRIVERS IN INJURY CRASHES | DRIVERS IN FATAL CRASHES | % OF DRIVERS IN FATAL CRASHES | DRIVERS IN TOTAL CRASHES | % OF DRIVERS IN TOTAL CRASHES | FEMALE LICENSED DRIVER | % OF TOTAL LICENSED DRIVER |
|---------------|---------------------------|--------------------------------|---------------------------|--------------------------------|--------------------------|-------------------------------|--------------------------|-------------------------------|------------------------|----------------------------|
| 1-15 | 69 | 0.28% | 57 | 0.46% | 1 | 0.89% | 127 | 0.34% | 1,631 | 0.26% |
| 16-20 | 3,405 | 13.58% | 1,780 | 14.40% | 22 | 19.64% | 5207 | 13.87% | 37,742 | 5.94% |
| 21-24 | 2,388 | 9.52% | 1,170 | 9.46% | 10 | 8.93% | 3568 | 9.50% | 38,580 | 6.07% |
| 25-34 | 5,991 | 23.89% | 3,122 | 25.25% | 21 | 18.75% | 9134 | 24.32% | 132,056 | 20.79% |
| 35-44 | 5,138 | 20.49% | 2,564 | 20.74% | 15 | 13.39% | 7717 | 20.55% | 144,225 | 22.71% |
| 45-54 | 3,464 | 13.81% | 1,737 | 14.05% | 15 | 13.39% | 5216 | 13.89% | 118,227 | 18.61% |
| 55-64 | 1,852 | 7.38% | 920 | 7.44% | 14 | 12.50% | 2786 | 7.42% | 79,690 | 12.55% |
| 65+ | 1,593 | 6.35% | 833 | 6.74% | 14 | 12.50% | 2440 | 6.50% | 83,016 | 13.07% |
| UNKNOWN | 1,179 | 4.70% | 180 | 1.46% | 0 | 0.00% | 1359 | 3.62% | | |
| TOTAL | 25,079 | 100% | 12,363 | 100% | 112 | 100% | 37554 | 100% | 635,167 | 100% |

BASED ON DRIVER 1 AND DRIVER 2 IN P.D.O., INJURY AND FATAL CRASHES

