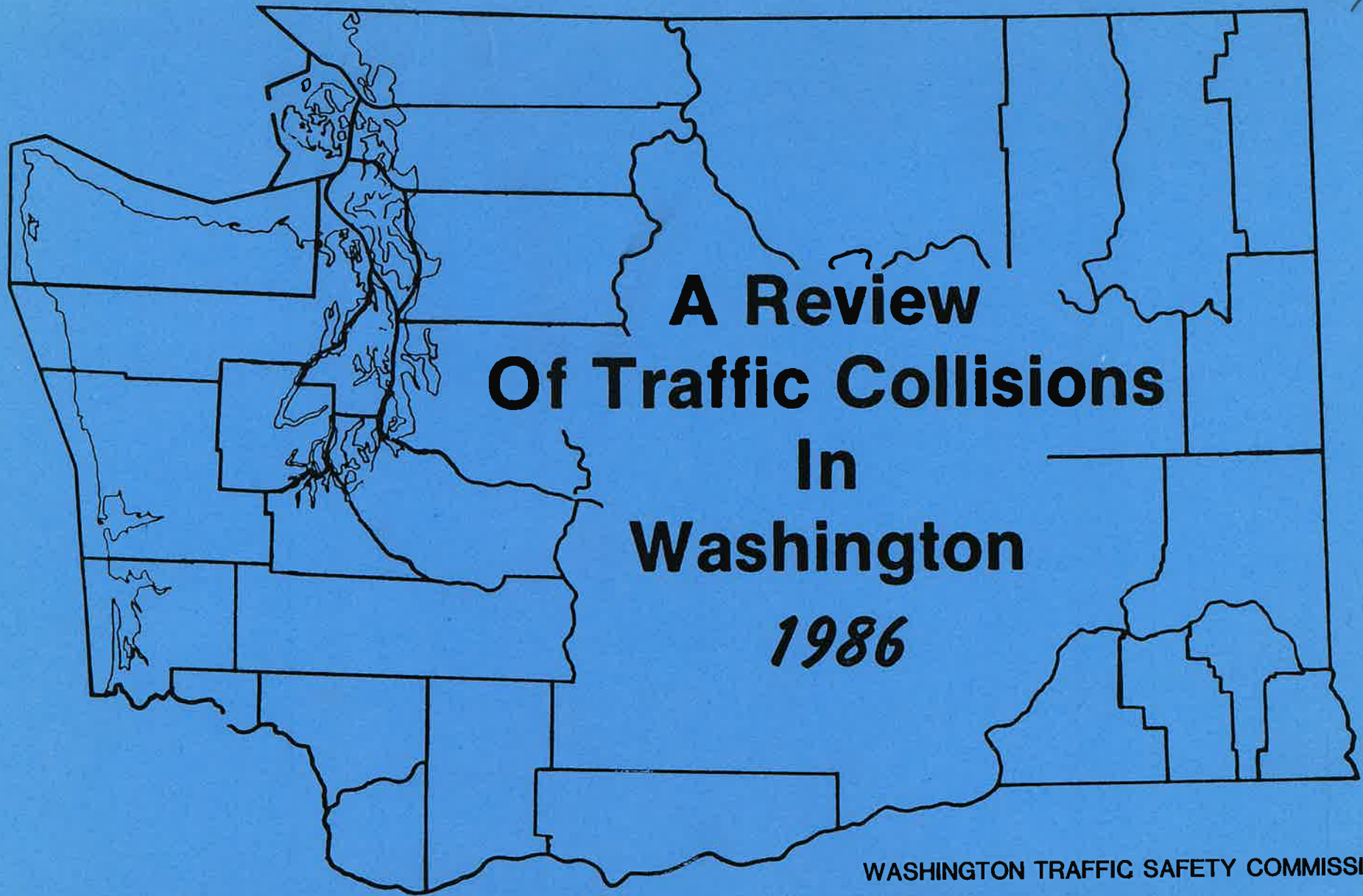


*Ken Thompson
office copy*



**A Review
Of Traffic Collisions
In
Washington
1986**

**WASHINGTON TRAFFIC SAFETY COMMISSION
1000 South Cherry Street
Olympia, Washington 98504
(206) 753-6197**

**A REVIEW OF
TRAFFIC COLLISIONS
IN
WASHINGTON
1986**

Prepared by The Washington Traffic Safety Commission

**Source: Collision Data – Traffic Records Unit, Washington State Patrol;
Roadway Data – Planning Division, Department of Transportation;
License Data – Department of Licensing**

A REVIEW OF TRAFFIC COLLISIONS IN WASHINGTON - 1986

TABLE OF CONTENTS

| | PAGE |
|---|------|
| Recap of Traffic Collisions - 1986..... | 1 |
| Drinking Driver Collisions..... | 1 |
| Collisions By Location, By Type, & By Type of Vehicle..... | 2 |
| Traffic Fatalities in 1986 & Percentage of Change from 1985. | 3 |
| Traffic Fatalities By Age & By Sex..... | 3 |
| Persons Killed & Injured By Age By Status..... | 4 |
| Comparison of Traffic Deaths By Months - '84, '85, '86..... | 4 |
| Traffic Safety Statistics 1970 - 1986..... | 5 |
| Comparison of Severity of Injury By Year - 1959-1986..... | 6 |
| Collisions By Time..... | 7 |
| Traffic Deaths, Miles Traveled, Death Rate, Reported Collisions & Injuries..... | 8 |
| Multiple Vehicle, Single Vehicle, Pedestrian, & Pedalcyclist Collisions..... | 9 |
| Summary of Motor Vehicle Traffic Accidents 1986 - Incorporated - Unincorporated Areas..... | 10 |
| Summary of Motor Vehicle Traffic Accidents By Type..... | 11 |
| Traffic Collisions By Severity By Month..... | 12 |
| Percentage Change of Traffic Deaths & Travel By Month - 1986 vs 1985..... | 13 |
| Statewide Accident Contributing Circumstances By County..... | 14 |
| Motor Vehicle Collisions By Age & Violation..... | 15 |
| Traffic Collisions By Investigating Agency..... | 16 |
| Driver Age Distribution - Collisions By Number Licensed..... | 17 |
| Senior Driver Collisions..... | 18 |
| Collision Rate By City Population..... | 19 |
| Collision Rate By County Population..... | 20 |
| Motorcycle Collisions - 1981-1986..... | 21 |
| Alcohol-Related Collision Data..... | 21 |
| Occupant Restraint Data..... | 29 |
| Pedestrian/Vehicle Collisions..... | 31 |

RECAP OF TRAFFIC COLLISIONS
Two Year Comparison

| Category | 1986 | 1985 | % Change From 1985 |
|----------------------------------|---------------|---------------|-----------------------|
| Persons Killed | 714 | 756 | -5.6% |
| Death Rate Per 100 Million Miles | 1.96 | 2.22 | -11.7% |
| Fatal Collisions | 658 | 656 | 0.3% |
| Persons Injured | 66,707 | 63,806 | 4.5% |
| Total Reported Collisions | 122,918 | 120,056 | 2.4% |
| Estimated Economic Loss | \$638,800,000 | \$618,300,000 | 3.3% |
| Miles Traveled (in Millions) | 36,416.0 | 33,978.0 | 7.2% |
| Licensed Drivers | 3,029,375 | 2,980,717 | 1.6% |
| Registered Vehicles | 3,651,102 | 3,546,152 | 3.0% |
| Population | 4,419,700 | 4,384,100 | 0.8% |

DRINKING DRIVER COLLISIONS
Two Year Comparison

| Collisions | 1986 | 1985 | % Change From 1985 |
|--|--------|--------|-----------------------|
| DWI Drivers Involved in Total Collisions | 9,335 | 8,689 | 7.4% |
| Ratio - DWI Per 100 Involved | 6.3 | 6.3 | 0.0% |
| DWI Drivers Involved in Fatal Collisions | 306 | 292 | 4.8% |
| Ratio - DWI Drivers Per 100 | 33.4 | 31.6 | 5.7% |
| Had Been Drinking (in Total Collisions) | 18,127 | 16,742 | 8.3% |
| Ratio - HBD Drivers Per 100 | 12.3 | 12.1 | 1.7% |
| Had Been Drinking (in Fatal Collisions) | 370 | 346 | 6.9% |
| Ratio - HBD Drivers Per 100 | 40.4 | 37.5 | 7.7% |

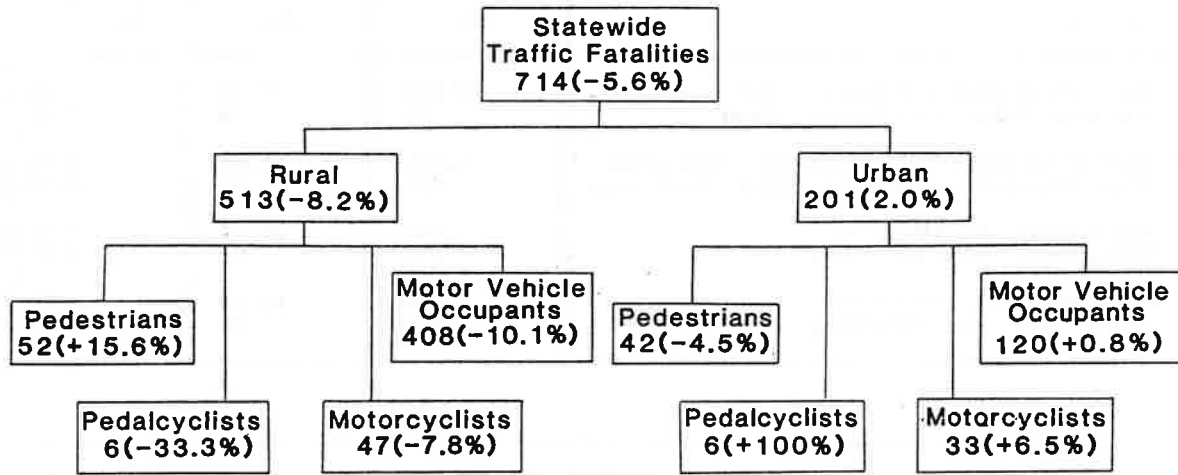
| COLLISIONS BY LOCATION Two Year Comparison | | | |
|---|--------|--------|-----------------------|
| Location | 1986 | 1985 | % Change From 1985 |
| Interstate & Other Full Control - All | 12,896 | 13,406 | -3.8% |
| Interstate & Other Full Control - Fatal | 74 | 76 | -2.6% |
| Other State Routes - All Collisions - Rural Areas | 14,225 | 14,423 | -40.1% |
| Other State Routes - Fatal Collisions - Rural Areas | 192 | 204 | -22.0% |
| County Roads - All Collisions | 27,066 | 27,020 | 0.2% |
| County Roads - Fatal Collisions | 214 | 212 | 0.9% |
| City Streets - All Collisions | 67,975 | 64,518 | 23.2% |
| City Streets - Fatal Collisions | 168 | 154 | 50.0% |

| COLLISIONS BY TYPE Two Year Comparison | | | |
|--|--------|--------|-----------------------|
| Type | 1986 | 1985 | % Change From 1985 |
| Collisions with Other Motor Vehicles - All | 91,877 | 88,236 | 4.1% |
| Collisions with Other Motor Vehicles - Fatal | 242 | 264 | -8.3% |
| One Car (Fixed Object-Overtaken, Etc.) - All | 26,337 | 27,547 | -4.4% |
| One Car (Fixed Object-Overtaken, Etc.) - Fatal | 307 | 301 | 2.0% |
| Collisions with Pedestrians - All Collisions | 1,778 | 1,617 | 10.0% |
| Collisions with Pedestrians - Fatal Collisions | 89 | 78 | 14.1% |
| Collisions with Pedalcyclists - All Collisions | 1,507 | 1,325 | 13.7% |
| Collisions with Pedalcyclists - Fatal Collisions | 11 | 12 | -8.3% |
| Collisions with RR Train - All Collisions | 86 | 103 | -16.5% |
| Collisions with RR Train - Fatal Collisions | 8 | 1 | 700.0% |
| Collisions with Animal - All Collisions | 1,333 | 1,228 | 8.6% |
| Collisions with Animal - Fatal Collisions | 1 | 0 | 0.0% |

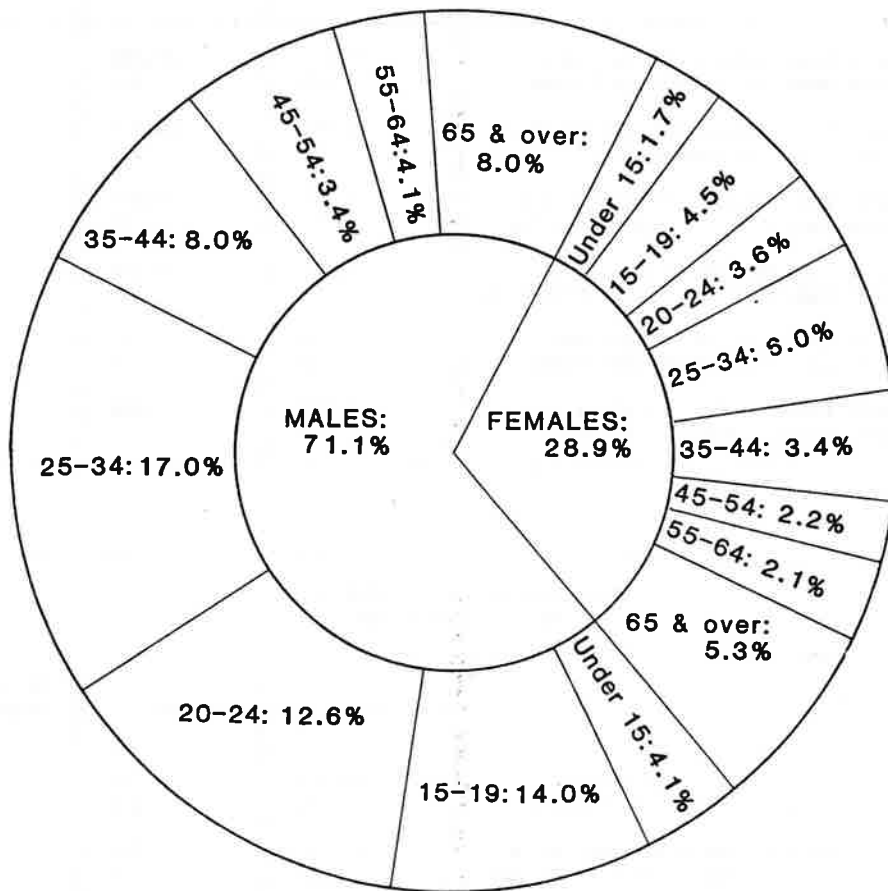
| COLLISION BY TYPE OF VEHICLE Two Year Comparison | | | |
|---|---------|---------|-----------------------|
| Type | 1986 | 1985 | % Change From 1985 |
| Passenger Cars Involved in All Collisions | 155,145 | 149,593 | 3.7% |
| Passenger Cars Involved in Fatal Collisions | 574 | 593 | -3.2% |
| Lightweight Trucks Involved in All Collisions | 48,522 | 46,160 | 5.1% |
| Lightweight Trucks Involved in Fatal Collisions | 229 | 235 | -2.6% |
| Heavy Trucks Involved in All Collisions | 7,983 | 8,605 | -7.2% |
| Heavy Trucks Involved in Fatal Collisions | 66 | 85 | -22.4% |
| Motorcycles Involved in All Collisions | 3,562 | 3,762 | -5.3% |
| Motorcycles Involved in Fatal Collisions | 80 | 84 | -4.8% |

TRAFFIC FATALITIES

In 1986 and
Percent of Change from 1985



TRAFFIC FATALITIES by AGE and SEX



| PERSONS KILLED AND INJURED By Age By Status | | | | | | | | |
|--|------------|---------------|------------|---------------|-------------|--------------|---------------|--------------|
| Age | Total | | Occupants | | Pedestrians | | Pedalcyclists | |
| | Killed | Injured | Killed | Injured | Killed | Injured | Killed | Injured |
| 0 - 4 | 7 | 1,136 | 3 | 1,039 | 2 | 78 | 2 | 19 |
| 5 - 9 | 14 | 1,755 | 8 | 1,252 | 4 | 234 | 2 | 267 |
| 10 - 14 | 20 | 2,138 | 14 | 1,492 | 3 | 202 | 3 | 444 |
| 15 - 19 | 132 | 11,934 | 120 | 11,414 | 11 | 219 | 1 | 297 |
| 20 - 24 | 116 | 11,302 | 108 | 10,962 | 7 | 162 | 1 | 176 |
| 25 - 34 | 164 | 15,482 | 148 | 14,993 | 13 | 311 | 3 | 170 |
| 35 - 44 | 81 | 9,326 | 67 | 9,075 | 14 | 191 | 0 | 56 |
| 45 - 54 | 40 | 4,622 | 33 | 4,484 | 7 | 119 | 0 | 18 |
| 55 - 64 | 44 | 3,443 | 34 | 3,349 | 10 | 80 | 0 | 12 |
| 65 - 74 | 43 | 2,246 | 35 | 2,166 | 8 | 73 | 0 | 7 |
| 75/Older | 52 | 1,231 | 37 | 1,127 | 15 | 102 | 0 | 2 |
| Not Stated | 1 | 2,092 | 1 | 1,972 | 0 | 72 | 0 | 43 |
| TOTAL* | 714 | 66,707 | 608 | 63,325 | 94 | 1,843 | 12 | 1,511 |

*Total Injured includes 28 injured where the status of the injured was unknown

| COMPARISON OF TRAFFIC DEATHS BY MONTH Three Year Comparison | | | | | | | | |
|--|-------------|--------------|-------------|--------------|-------------|--------------|-------------------|--------------|
| Month | 1986 | | 1985 | | 1984 | | % Change 86 to 85 | |
| | Month Total | Year To Date | Month Total | Year To Date | Month Total | Year To Date | Month Total | Year To Date |
| January | 42 | 42 | 43 | 43 | 48 | 48 | -2.3% | -2.3% |
| February | 28 | 70 | 48 | 91 | 41 | 89 | -41.7% | -23.1% |
| March | 56 | 126 | 52 | 143 | 56 | 145 | 7.7% | -11.9% |
| April | 60 | 186 | 61 | 204 | 50 | 195 | -1.6% | -8.8% |
| May | 73 | 259 | 84 | 288 | 68 | 263 | -13.1% | -10.1% |
| June | 73 | 332 | 67 | 355 | 82 | 345 | 9.0% | -6.5% |
| July | 70 | 402 | 87 | 442 | 83 | 428 | -19.5% | -9.0% |
| August | 69 | 471 | 63 | 505 | 75 | 503 | 9.5% | -6.7% |
| September | 51 | 522 | 66 | 571 | 63 | 566 | -22.7% | -8.6% |
| October | 67 | 589 | 66 | 637 | 76 | 642 | 1.5% | -7.5% |
| November | 64 | 653 | 56 | 693 | 72 | 714 | 14.3% | -5.8% |
| December | 61 | 714 | 63 | 756 | 47 | 761 | -3.2% | -5.6% |

TRAFFIC SAFETY STATISTICS
1971-1986

| Year | Licensed Drivers | Population | Vehicle | | Traffic | | | |
|-------|------------------|------------|--------------|------------------|------------|----------|--------|-----------------|
| | | | Registration | Miles (Millions) | Collisions | Injuries | Deaths | Fatality Rate** |
| 1971 | 1,965,962 | 3,430,100 | 2,231,958 | 21,860.0 | 98,956 | 55,099 | 876 | 4.01 |
| 1972 | 2,011,893 | 3,418,800 | 2,315,310 | 22,363.0 | 101,002 | 55,454 | 855 | 3.82 |
| 1973 | 2,113,460 | 3,424,300 | 2,453,880 | 23,457.0 | 105,515 | 58,039 | 776 | 3.31 |
| 1974 | 2,122,131 | 3,448,100 | 2,545,975 | 22,585.0 | 106,242 | 57,716 | 761 | 3.37 |
| 1975 | 2,176,505 | 3,493,990 | 2,640,944 | 24,023.0 | 120,635 | 64,145 | 771 | 3.21 |
| 1976 | 2,324,697 | 3,571,591 | 2,785,500 | 25,932.0 | 120,864 | 66,309 | 825 | 3.18 |
| 1977* | 2,339,215 | 3,661,975 | 2,952,383 | 27,449.0 | 119,058 | 71,356 | 927 | 3.38 |
| 1978 | 2,485,248 | 3,774,300 | 3,042,265 | 29,378.0 | 116,923 | 64,669 | 1,006 | 3.42 |
| 1979 | 2,579,368 | 3,911,200 | 3,186,898 | 29,122.0 | 118,686 | 65,399 | 1,034 | 3.55 |
| 1980 | 2,662,659 | 4,109,853 | 3,293,065 | 28,696.0 | 113,751 | 61,532 | 985 | 3.43 |
| 1981 | 2,732,722 | 4,248,100 | 3,408,871 | 30,346.0 | 111,993 | 61,083 | 872 | 2.87 |
| 1982 | 2,774,212 | 4,264,000 | 3,313,348 | 30,353.0 | 100,644 | 54,789 | 757 | 2.49 |
| 1983 | 2,867,032 | 4,285,100 | 3,372,966 | 32,275.0 | 106,597 | 58,317 | 705 | 2.18 |
| 1984 | 2,973,468 | 4,328,100 | 3,459,772 | 33,344.0 | 111,655 | 61,366 | 761 | 2.28 |
| 1985 | 2,980,717 | 4,384,100 | 3,546,152 | 33,978.0 | 120,056 | 63,806 | 756 | 2.22 |
| 1986 | 3,029,375 | 4,419,700 | 3,651,102 | 36,416.0 | 122,918 | 66,707 | 714 | 1.96 |

*Minimum damage for a reportable collision was increased from \$100 to \$300 to the property of one person on 7-1-77.

**Traffic deaths per 100 million vehicle miles of travel.

**COMPARISON OF SEVERITY OF INJURY BY YEAR
1960-1986**

| Year | Traffic Deaths | Injuries | | | |
|--------|----------------|--------------------------|------------------------------|-------------------------|-------------------|
| | | A Disabling Injury | B Non-Disabling Injury | C Possible Injury | Total Injuries |
| 1960 | 561 | 8,455 | 10,009 | 11,616 | 30,080 |
| 1961 | 580 | 9,566 | 10,568 | 12,772 | 32,906 |
| 1962 | 611 | 10,810 | 10,669 | 13,090 | 34,569 |
| 1963 | 633 | 10,700 | 11,149 | 13,090 | 34,939 |
| 1964 | 731 | 11,801 | 11,971 | 14,026 | 37,798 |
| 1965 | 729 | 11,207 | 12,417 | 13,279 | 36,903 |
| 1966 | 828 | 10,114 | 16,521 | 14,692 | 41,327 |
| 1967 | 876 | 10,405 | 18,826 | 16,490 | 45,721 |
| 1968 | 931 | 10,639 | 20,157 | 18,650 | 49,446 |
| 1969 | 834 | 10,406 | 18,855 | 18,093 | 47,354 |
| 1970* | 875 | 7,075 | 24,241 | 22,149 | 53,465 |
| 1971 | 876 | 7,294 | 23,462 | 24,343 | 55,099 |
| 1972 | 855 | 6,937 | 23,459 | 25,058 | 55,454 |
| 1973 | 776 | 7,650 | 23,907 | 26,482 | 58,039 |
| 1974 | 761 | 7,668 | 23,503 | 26,545 | 57,716 |
| 1975 | 771 | 8,136 | 26,083 | 29,926 | 64,145 |
| 1976 | 825 | 8,991 | 27,186 | 30,132 | 66,309 |
| 1977 | 927 | 9,634 | 28,308 | 33,414 | 71,356 |
| 1978** | 1,006 | 10,309 | 26,618 | 27,742 | 64,669 |
| 1979 | 1,034 | 10,579 | 27,298 | 27,522 | 65,399 |
| 1980 | 985 | 9,945 | 25,898 | 25,689 | 61,532 |
| 1981 | 872 | 9,177 | 25,732 | 26,174 | 61,083 |
| 1982 | 757 | 8,276 | 22,340 | 24,173 | 54,789 |
| 1983 | 705 | 8,400 | 23,938 | 25,979 | 58,317 |
| 1984 | 761 | 8,254 | 24,833 | 28,279 | 61,366 |
| 1985 | 756 | 8,212 | 25,566 | 30,028 | 63,806 |
| 1986 | 714 | 8,348 | 26,403 | 31,956 | 66,707 |

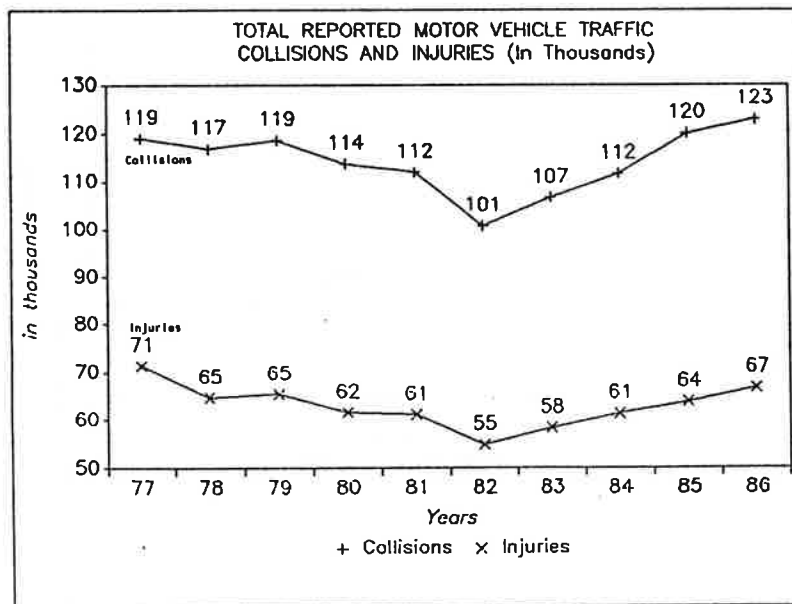
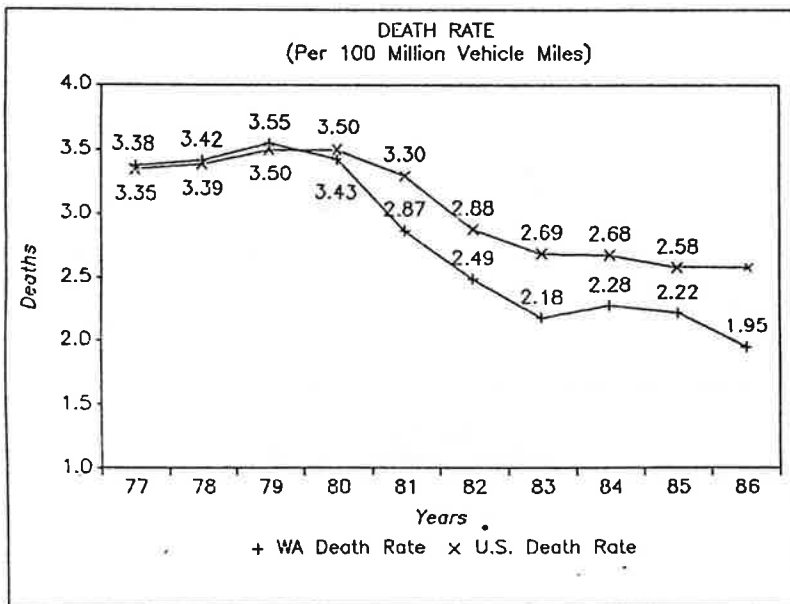
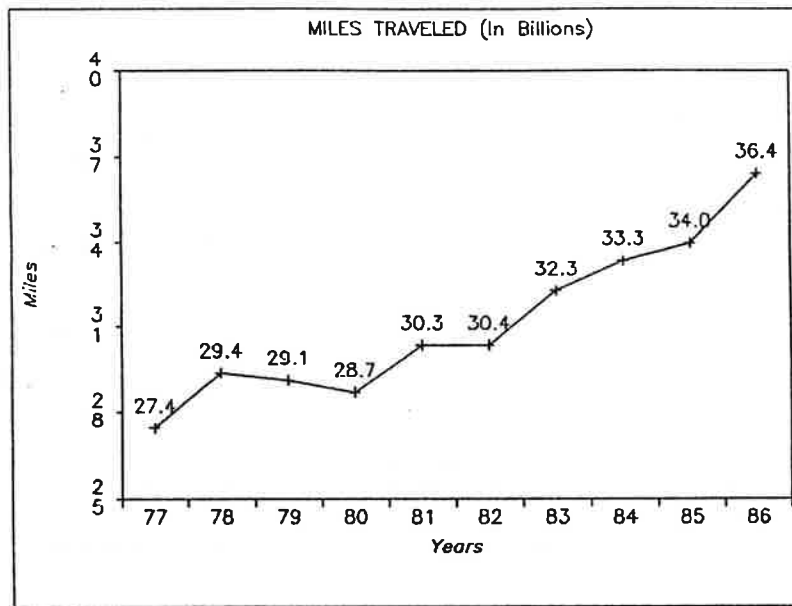
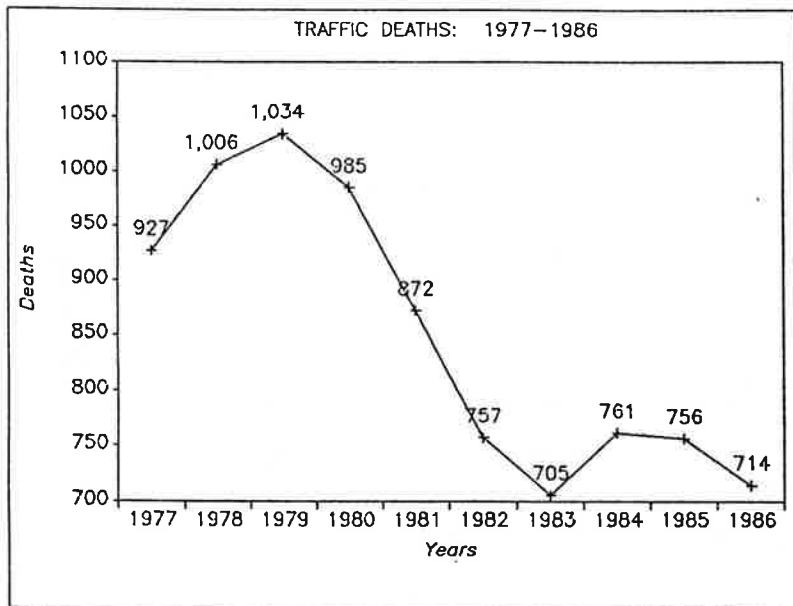
*New statewide investigator's report adopted with all police agencies reporting.

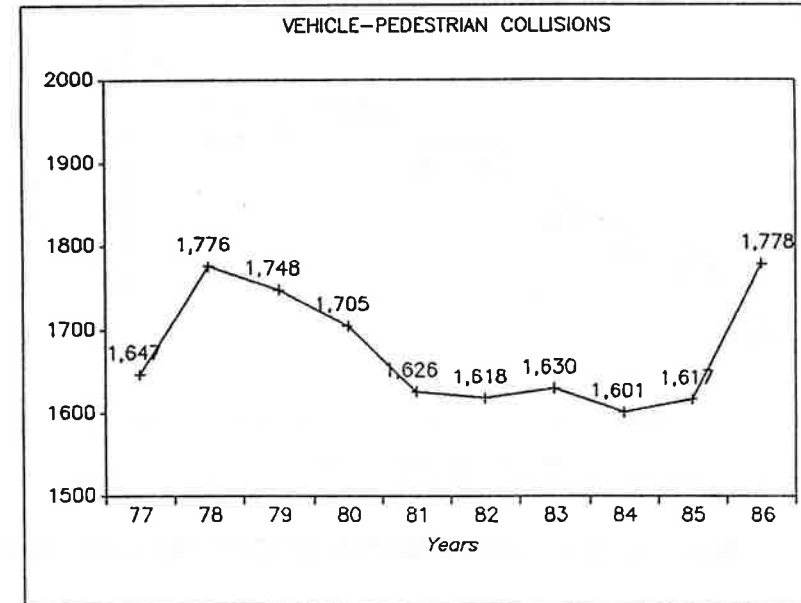
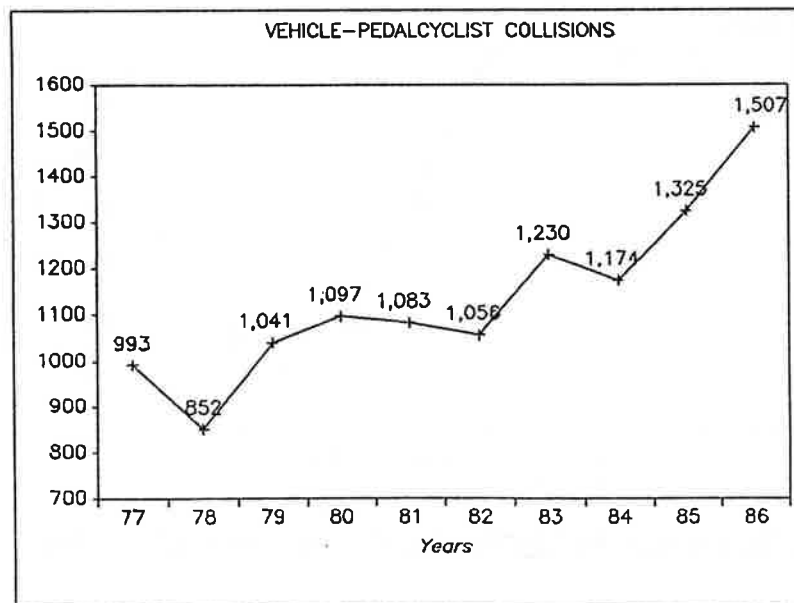
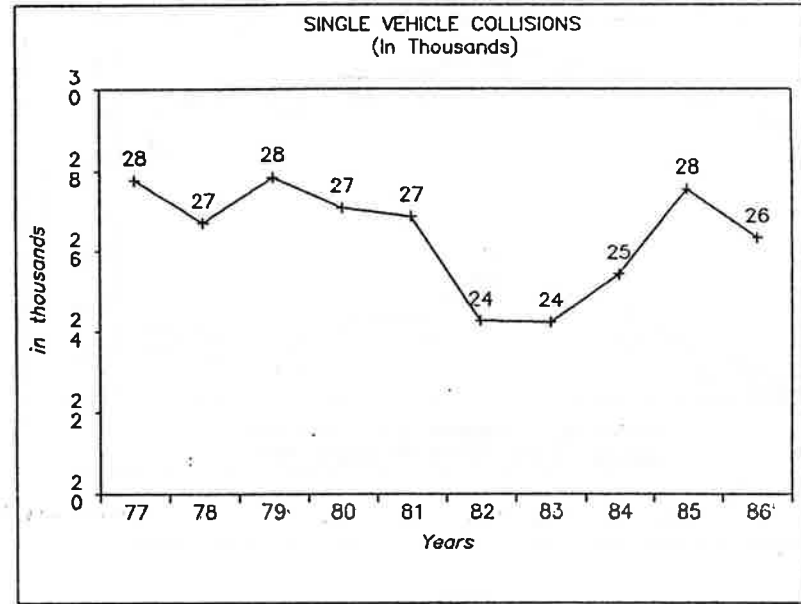
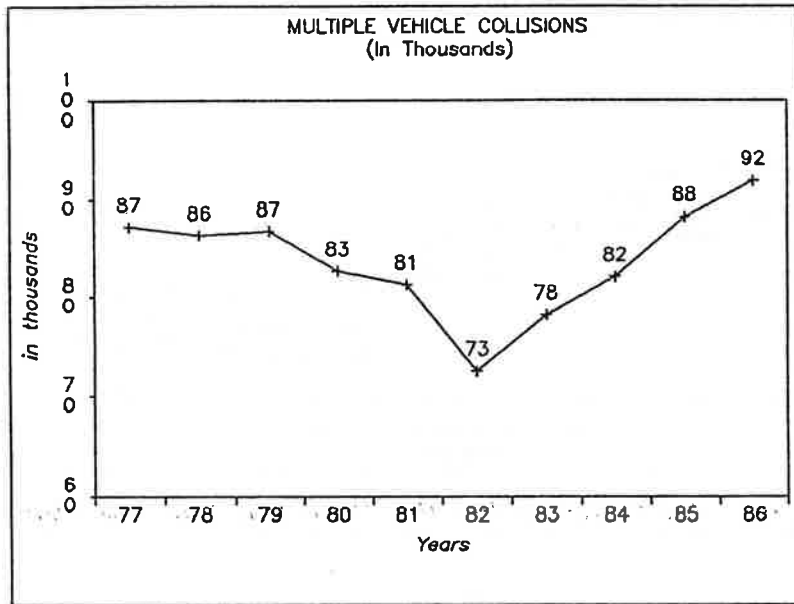
**WSP policy change using only information on the investigator's report in reporting severity of injury--drivers' reports not used when collision investigated.

**COLLISIONS
By Time**

| Time Hour Reporting | Total | | Monday - Thursday | | Friday | | Saturday | | Sunday | |
|---------------------------|----------------|------------|-------------------|------------|---------------|------------|---------------|------------|---------------|------------|
| | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal |
| Midnight | 3,456 | 46 | 1,271 | 17 | 436 | 4 | 962 | 15 | 787 | 10 |
| 1:00 | 3,018 | 39 | 932 | 15 | 344 | 4 | 952 | 4 | 790 | 16 |
| 2:00 | 3,011 | 36 | 937 | 13 | 325 | 3 | 968 | 9 | 781 | 11 |
| 3:00 | 1,373 | 20 | 449 | 9 | 134 | 1 | 425 | 5 | 365 | 5 |
| 4:00 | 1,100 | 15 | 419 | 4 | 135 | 1 | 300 | 6 | 246 | 4 |
| 5:00 | 1,222 | 14 | 623 | 7 | 180 | 2 | 260 | 3 | 159 | 2 |
| 6:00 | 2,574 | 15 | 1,756 | 8 | 403 | 1 | 240 | 3 | 175 | 3 |
| 7:00 | 5,407 | 20 | 3,923 | 9 | 1,014 | 8 | 290 | 2 | 180 | 1 |
| 8:00 | 4,664 | 12 | 3,187 | 6 | 817 | 2 | 462 | 2 | 198 | 2 |
| 9:00 | 3,981 | 10 | 2,473 | 5 | 636 | 1 | 554 | 3 | 318 | 1 |
| 10:00 | 4,681 | 18 | 2,770 | 5 | 776 | 8 | 684 | 1 | 451 | 4 |
| 11:00 | 6,018 | 22 | 3,593 | 11 | 1,027 | 3 | 897 | 4 | 501 | 4 |
| Noon | 6,882 | 25 | 3,933 | 15 | 1,156 | 5 | 1,050 | 2 | 743 | 3 |
| 1:00 | 7,232 | 18 | 4,069 | 10 | 1,217 | 3 | 1,124 | 3 | 822 | 2 |
| 2:00 | 8,187 | 34 | 4,816 | 15 | 1,400 | 7 | 1,115 | 5 | 856 | 7 |
| 3:00 | 9,781 | 30 | 5,989 | 17 | 1,845 | 7 | 1,066 | 2 | 881 | 4 |
| 4:00 | 10,553 | 35 | 6,527 | 16 | 1,958 | 9 | 1,148 | 5 | 920 | 5 |
| 5:00 | 10,124 | 41 | 6,343 | 27 | 1,873 | 4 | 1,029 | 6 | 879 | 4 |
| 6:00 | 7,124 | 29 | 4,072 | 12 | 1,309 | 8 | 980 | 5 | 763 | 4 |
| 7:00 | 5,672 | 29 | 3,020 | 8 | 1,096 | 4 | 911 | 6 | 645 | 11 |
| 8:00 | 4,517 | 38 | 2,332 | 23 | 925 | 6 | 709 | 4 | 551 | 5 |
| 9:00 | 4,508 | 40 | 2,322 | 21 | 970 | 9 | 738 | 7 | 478 | 3 |
| 10:00 | 3,948 | 36 | 1,869 | 17 | 948 | 8 | 728 | 7 | 403 | 4 |
| 11:00 | 3,885 | 36 | 1,623 | 13 | 1,094 | 12 | 820 | 10 | 348 | 1 |
| TOTAL | 122,918 | 658 | 69,248 | 303 | 22,018 | 120 | 18,412 | 119 | 13,240 | 116 |

TRAFFIC DEATHS, MILES TRAVELED, DEATH RATE, REPORTED COLLISIONS AND INJURIES 1977-1986





**SUMMARY OF MOTOR VEHICLE TRAFFIC ACCIDENTS
Statewide**

| Description | Incorporated Areas* | Other Areas* | Statewide Totals |
|---|---------------------|--------------|------------------|
| Total Number of Accidents | 74,328 | 48,590 | 122,918 |
| Total Number of Drivers | 136,368 | 78,141 | 214,509 |
| Total Number of Vehicles | 146,039 | 80,270 | 226,309 |
| Number of Fatal Accidents | 190 | 468 | 658 |
| Number of Injury Accidents | 25,762 | 20,328 | 46,090 |
| Number of Property Damage Accidents | 48,376 | 27,794 | 76,170 |
| Number of Persons Killed | 201 | 513 | 714 |
| Number of Disabling Injury | 3,683 | 4,665 | 8,348 |
| Number of Non-disabling Injury | 13,282 | 13,121 | 26,403 |
| Number of Possible Injury | 19,339 | 12,617 | 31,956 |
| Total Number of Persons Injured | 36,304 | 30,403 | 66,707 |
| Number of Accidents Investigated by W.S.P. | 5,728 | 27,118 | 32,846 |
| Number of Accidents Investigated by Other Law Enforcement | 50,544 | 13,141 | 63,685 |
| Total Number of Investigated Accidents | 56,272 | 40,259 | 96,531 |
| Percent of Accidents Investigated | 75.7% | 82.9% | 78.5% |
| Total Number of Drivers-Investigated Accidents | 101,313 | 63,060 | 164,373 |
| Total Number of Vehicles-Investigated Accidents | 109,570 | 64,814 | 174,384 |
| Number of Arrests Investigated Accidents | 36,844 | 24,506 | 61,350 |

*2,500 population & over

**Under 2,500 population & unincorporated areas

SUMMARY OF MOTOR-VEHICLE TRAFFIC ACCIDENTS
By Type of Accident

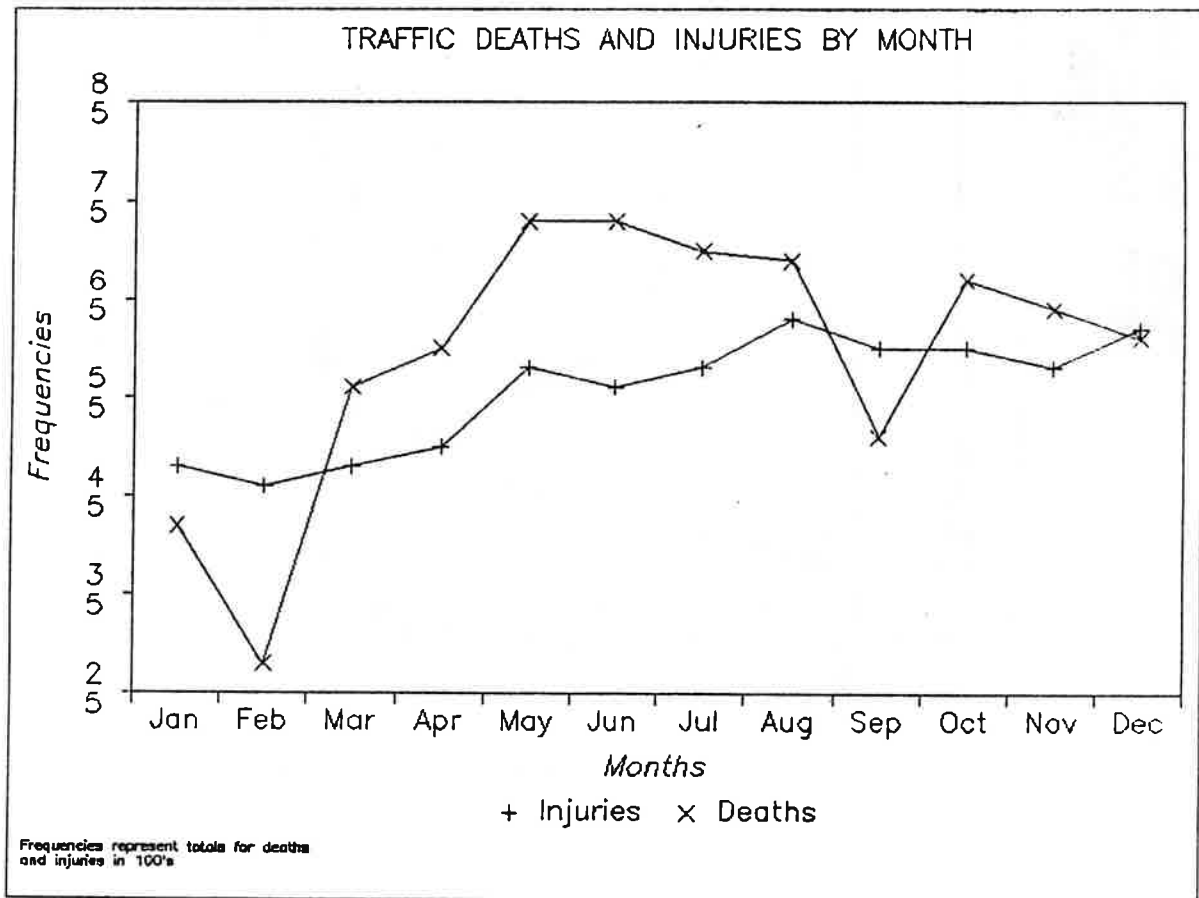
| Type of Accident | Number of Accidents | | | | Number of Persons | | | | | |
|--------------------------------|---------------------|------------|---------------|-----------------|-------------------|---------------|--------------|---------------|---------------|----------------|
| | Total | Fatal | Non Fatal | Property Damage | Total Killed | Total Injured | A. | B. | C. | No Injury |
| Overturning | 5,506 | 105 | 3,131 | 2,270 | 113 | 4,332 | 865 | 2,333 | 1,134 | 3,871 |
| Other Non-collision | 484 | 11 | 202 | 271 | 11 | 246 | 64 | 129 | 53 | 549 |
| Pedestrian | 1,778 | 89 | 1,685 | 4 | 90 | 1,800 | 545 | 805 | 450 | 2,198 |
| Motor Vehicle Transport | 82,510 | 231 | 29,916 | 52,363 | 258 | 46,015 | 4,422 | 15,463 | 26,130 | 178,734 |
| Motor Vehicle On Other Roadway | 14 | 5 | 5 | 4 | 5 | 14 | 6 | 4 | 4 | 26 |
| Parked Motor Vehicle | 9,353 | 6 | 1,261 | 8,086 | 6 | 1,564 | 173 | 846 | 545 | 10,391 |
| Railway Train | 86 | 8 | 29 | 49 | 9 | 34 | 7 | 13 | 14 | 76 |
| Pedalcyclist | 1,507 | 11 | 1,468 | 28 | 12 | 1,538 | 295 | 905 | 338 | 1,897 |
| Animal | 1,333 | 1 | 188 | 1,144 | 1 | 233 | 33 | 121 | 79 | 1,538 |
| Fixed Object | 19,427 | 185 | 7,882 | 11,360 | 203 | 10,456 | 1,875 | 5,554 | 3,027 | 16,630 |
| Other Object | 920 | 6 | 323 | 591 | 6 | 475 | 63 | 230 | 182 | 1,277 |
| TOTAL | 122,918 | 658 | 46,090 | 76,170 | 714 | 66,707 | 8,348 | 26,403 | 31,956 | 217,187 |

NOTE: The three categories of injuries follow the manual on classification of motor vehicle accidents (1970 edition).

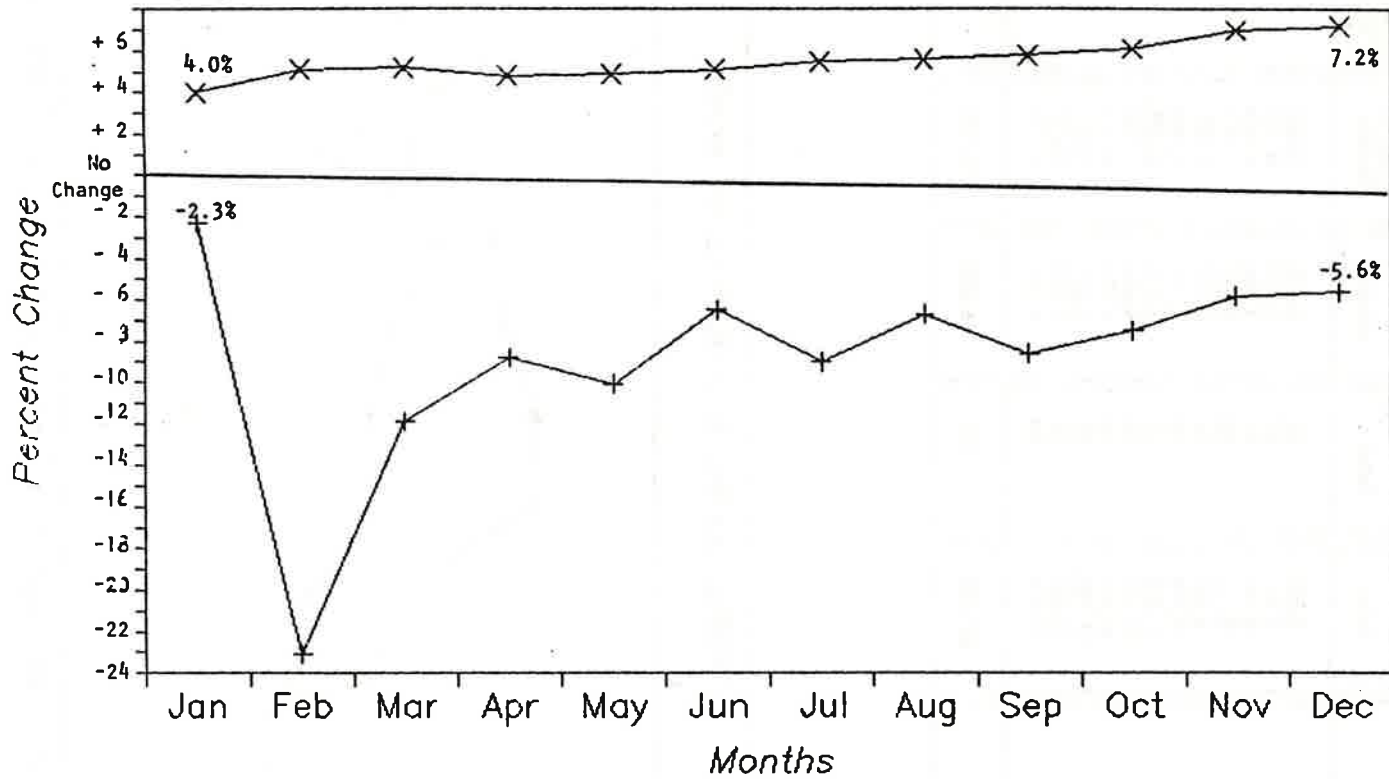
- A. Disabling injury, an injury other than fatal that prevents the injured person from continuing normal activities.
- B. Non-disabling injury, an injury other than incapacitating that is evident to anyone viewing the injured party.
- C. Possible injury, an injury that is reported or claimed but is not an incapacitating or evident injury.

**SUMMARY OF MOTOR VEHICLE ACCIDENTS
Statewide - By Month**

| Month | Accidents | | | | Persons | |
|--------------|----------------|------------|---------------|-----------------|---------------|----------------|
| | Total | Fatal | Injury | Property Damage | Number Killed | Number Injured |
| January | 9,824 | 36 | 3,380 | 6,408 | 42 | 4,792 |
| February | 9,401 | 27 | 3,227 | 6,147 | 28 | 4,583 |
| March | 8,694 | 51 | 3,286 | 5,357 | 56 | 4,803 |
| April | 9,264 | 58 | 3,549 | 5,657 | 60 | 5,043 |
| May | 9,954 | 67 | 3,912 | 5,975 | 73 | 5,795 |
| June | 9,718 | 68 | 3,784 | 5,866 | 73 | 5,592 |
| July | 10,056 | 61 | 3,970 | 6,025 | 70 | 5,795 |
| August | 10,472 | 66 | 4,242 | 6,164 | 69 | 6,279 |
| September | 10,741 | 48 | 4,147 | 6,546 | 51 | 5,982 |
| October | 11,098 | 63 | 4,211 | 6,824 | 67 | 6,045 |
| November | 11,264 | 59 | 3,988 | 7,217 | 64 | 5,794 |
| December | 12,422 | 54 | 4,394 | 7,974 | 61 | 6,204 |
| TOTAL | 122,908 | 658 | 46,090 | 76,160 | 714 | 66,707 |



PERCENTAGE CHANGE OF ACCUMULATED
TRAFFIC DEATHS AND TRAVEL BY MONTH
(1985 vs. 1986)



+ Accum. Fatal % Chng x Accum. Travel % Chng

STATEWIDE ACCIDENT CONTRIBUTING CIRCUMSTANCES - BY COUNTY
Top Ten Driver Violations*

| County | FTYROW** | Speed Safe | Inattention | Drunk Driver | Following Too Close | Disregard Sign/Sig. | Improper Turn | Defective Equipment | Speed Legal | Over Center | Total Top Ten | All Others |
|------------------|---------------|---------------|---------------|--------------|---------------------|---------------------|---------------|---------------------|--------------|--------------|----------------|--------------|
| Adams | 44 | 83 | 61 | 36 | 8 | 18 | 10 | 25 | 24 | 12 | 321 | 56 |
| Asotin | 64 | 26 | 60 | 28 | 14 | 20 | 10 | 9 | 17 | 4 | 252 | 6 |
| Benton | 540 | 370 | 281 | 205 | 187 | 167 | 72 | 66 | 94 | 43 | 2,025 | 143 |
| Chelan | 228 | 327 | 201 | 97 | 85 | 64 | 48 | 51 | 57 | 51 | 1,209 | 103 |
| Clallam | 224 | 205 | 187 | 120 | 73 | 45 | 55 | 45 | 63 | 41 | 1,058 | 87 |
| Clark | 787 | 512 | 580 | 329 | 275 | 325 | 127 | 156 | 174 | 89 | 3,354 | 253 |
| Columbia | 2 | 26 | 11 | 8 | 2 | 0 | 0 | 6 | 5 | 2 | 62 | 4 |
| Cowlitz | 350 | 243 | 334 | 148 | 98 | 157 | 74 | 101 | 86 | 38 | 1,629 | 119 |
| Douglas | 76 | 146 | 61 | 46 | 36 | 28 | 12 | 29 | 22 | 20 | 476 | 48 |
| Ferry | 6 | 47 | 14 | 15 | 2 | 2 | 5 | 9 | 5 | 9 | 114 | 13 |
| Franklin | 258 | 137 | 178 | 92 | 50 | 94 | 42 | 34 | 62 | 23 | 970 | 56 |
| Garfield | 3 | 21 | 9 | 6 | 0 | 0 | 2 | 3 | 1 | 2 | 47 | 6 |
| Grant | 195 | 203 | 183 | 79 | 50 | 56 | 41 | 61 | 32 | 11 | 911 | 120 |
| Grays Harbor | 291 | 294 | 324 | 199 | 110 | 108 | 95 | 73 | 78 | 46 | 1,618 | 141 |
| Island | 125 | 161 | 100 | 69 | 49 | 35 | 26 | 30 | 65 | 21 | 681 | 65 |
| Jefferson | 49 | 87 | 64 | 45 | 14 | 16 | 8 | 20 | 30 | 8 | 341 | 46 |
| King | 9,886 | 5,998 | 9,667 | 2,674 | 3,606 | 2,803 | 1,575 | 1,287 | 1,403 | 795 | 39,694 | 2,049 |
| Kitsap | 649 | 740 | 522 | 392 | 269 | 217 | 107 | 112 | 172 | 99 | 3,279 | 238 |
| Kittitas | 97 | 437 | 182 | 71 | 43 | 32 | 27 | 51 | 42 | 14 | 996 | 130 |
| Klickitat | 26 | 114 | 44 | 41 | 7 | 5 | 3 | 22 | 22 | 12 | 296 | 45 |
| Lewis | 241 | 288 | 236 | 147 | 63 | 72 | 64 | 70 | 81 | 39 | 1,301 | 142 |
| Lincoln | 26 | 41 | 27 | 18 | 3 | 4 | 2 | 5 | 8 | 7 | 141 | 35 |
| Mason | 101 | 157 | 110 | 93 | 51 | 15 | 26 | 31 | 65 | 32 | 681 | 66 |
| Okanogan | 64 | 214 | 95 | 95 | 19 | 12 | 11 | 27 | 40 | 29 | 606 | 65 |
| Pacific | 40 | 85 | 63 | 55 | 20 | 22 | 12 | 17 | 20 | 13 | 347 | 51 |
| Pend Orielle | 13 | 70 | 36 | 20 | 3 | 5 | 2 | 10 | 6 | 11 | 176 | 19 |
| Pierce | 3,553 | 2,496 | 2,292 | 1,291 | 1,315 | 1,255 | 598 | 399 | 636 | 322 | 14,157 | 800 |
| San Juan | 8 | 35 | 26 | 12 | 3 | 6 | 4 | 6 | 17 | 7 | 124 | 17 |
| Skagit | 373 | 362 | 324 | 213 | 104 | 98 | 68 | 75 | 72 | 46 | 1,735 | 156 |
| Skamania | 11 | 57 | 19 | 12 | 5 | 1 | 1 | 18 | 3 | 16 | 143 | 11 |
| Snohomish | 2,086 | 1,973 | 1,311 | 1,014 | 807 | 592 | 373 | 330 | 421 | 295 | 9,202 | 680 |
| Spokane | 2,021 | 1,351 | 1,345 | 686 | 667 | 999 | 423 | 199 | 365 | 191 | 8,247 | 390 |
| Stevens | 54 | 175 | 57 | 62 | 14 | 12 | 13 | 18 | 18 | 45 | 468 | 38 |
| Thurston | 794 | 687 | 569 | 315 | 260 | 223 | 142 | 134 | 156 | 77 | 3,357 | 261 |
| Wahkiakum | 4 | 27 | 9 | 17 | 0 | 0 | 1 | 6 | 8 | 1 | 73 | 9 |
| Walla Walla | 248 | 142 | 213 | 78 | 49 | 72 | 43 | 37 | 36 | 18 | 936 | 76 |
| Whatcom | 483 | 432 | 451 | 244 | 184 | 179 | 119 | 94 | 119 | 73 | 2,378 | 209 |
| Whitman | 90 | 164 | 156 | 67 | 38 | 28 | 18 | 36 | 53 | 21 | 671 | 70 |
| Yakima | 933 | 761 | 703 | 459 | 271 | 357 | 184 | 137 | 148 | 124 | 4,077 | 361 |
| Statewide | 25,043 | 19,694 | 21,105 | 9,598 | 8,854 | 8,144 | 4,443 | 3,839 | 4,726 | 2,707 | 108,153 | 7,184 |

*Investigated Accidents Only
**Failure to Yield Right of Way

SUMMARY OF MOTOR VEHICLE ACCIDENTS
By Age & Violation

| Driver Age | DWI | Speed Condition | Speed Legal | Disregard Sign/Sig. | FTYROW* | Following Too Close | Over Center | Defective Equipment | Improper Pass | Other Circum. | Total |
|--------------|--------------|-----------------|--------------|---------------------|---------------|---------------------|--------------|---------------------|---------------|---------------|----------------|
| 15 & Under | 21 | 163 | 49 | 30 | 122 | 12 | 16 | 25 | 7 | 180 | 625 |
| 16 | 125 | 1,028 | 312 | 294 | 963 | 337 | 150 | 154 | 74 | 999 | 4,436 |
| 17 | 195 | 1,090 | 395 | 332 | 1,107 | 422 | 142 | 203 | 133 | 1,124 | 5,143 |
| 18 | 295 | 1,136 | 407 | 409 | 1,050 | 512 | 134 | 255 | 139 | 1,137 | 5,474 |
| 19 | 342 | 994 | 338 | 347 | 907 | 430 | 122 | 192 | 108 | 1,066 | 4,846 |
| 20 | 378 | 865 | 255 | 312 | 743 | 358 | 90 | 184 | 99 | 933 | 4,217 |
| 21 | 551 | 986 | 306 | 368 | 884 | 401 | 126 | 192 | 89 | 1,100 | 5,003 |
| 22 | 412 | 733 | 218 | 282 | 697 | 312 | 93 | 143 | 65 | 838 | 3,793 |
| 23 | 453 | 783 | 239 | 291 | 709 | 372 | 82 | 165 | 87 | 947 | 4,128 |
| 24 | 387 | 679 | 172 | 240 | 696 | 279 | 80 | 120 | 58 | 804 | 3,515 |
| 25 | 431 | 655 | 159 | 229 | 625 | 311 | 77 | 130 | 58 | 772 | 3,447 |
| 26 | 428 | 652 | 159 | 267 | 635 | 326 | 82 | 115 | 80 | 802 | 3,546 |
| 27 | 367 | 543 | 118 | 166 | 596 | 247 | 69 | 109 | 63 | 691 | 2,969 |
| 28 | 336 | 506 | 124 | 202 | 576 | 236 | 74 | 106 | 56 | 677 | 2,893 |
| 29 | 308 | 475 | 97 | 192 | 514 | 232 | 75 | 88 | 46 | 643 | 2,670 |
| 30-34 | 1,392 | 2,059 | 365 | 752 | 2,467 | 1,000 | 305 | 409 | 182 | 2,834 | 11,765 |
| 35-39 | 880 | 1,474 | 229 | 608 | 2,049 | 728 | 221 | 300 | 139 | 2,177 | 8,805 |
| 40-44 | 564 | 913 | 118 | 387 | 1,468 | 467 | 126 | 196 | 87 | 1,464 | 5,790 |
| 45-49 | 371 | 599 | 74 | 258 | 1,038 | 326 | 82 | 151 | 60 | 1,058 | 4,017 |
| 50-54 | 255 | 435 | 43 | 247 | 896 | 240 | 65 | 104 | 42 | 874 | 3,201 |
| 55-59 | 231 | 386 | 32 | 275 | 900 | 233 | 68 | 75 | 50 | 812 | 3,062 |
| 60-64 | 148 | 312 | 20 | 198 | 923 | 203 | 49 | 56 | 32 | 693 | 2,634 |
| 65-69 | 123 | 193 | 18 | 250 | 903 | 152 | 45 | 45 | 32 | 633 | 2,394 |
| 70-74 | 57 | 132 | 10 | 237 | 868 | 123 | 31 | 32 | 29 | 549 | 2,068 |
| 75 & Over | 26 | 145 | 10 | 335 | 1,450 | 109 | 54 | 38 | 29 | 760 | 2,956 |
| Not Stated | 522 | 1,758 | 459 | 636 | 1,257 | 486 | 249 | 252 | 181 | 6,141 | 11,941 |
| TOTAL | 9,598 | 19,694 | 4,726 | 8,144 | 25,043 | 8,854 | 2,707 | 3,839 | 2,025 | 30,708 | 115,338 |

*Investigated Accidents Only
**Failure to Yield Right of Way

SUMMARY OF MOTOR VEHICLE TRAFFIC COLLISIONS
Statewide - By Investigating Agency

| Statewide | Investigating Agency | | | | Total |
|---------------------------------------|-------------------------|---------|-----------------------|------------------|---------|
| | Washington State Patrol | Sheriff | Other Law Enforcement | Not Investigated | |
| Collision Totals | | | | | |
| Total | 32,846 | 11,703 | 51,982 | 26,387 | 122,918 |
| Fatal | 447 | 52 | 159 | 0 | 658 |
| Injury | 14,868 | 5,207 | 19,504 | 6,511 | 46,090 |
| Property Damage | 17,531 | 6,444 | 32,319 | 19,876 | 76,170 |
| Freeway | 8,743 | 158 | 984 | 3,011 | 12,896 |
| Rural-State Route | 10,796 | 622 | 615 | 2,192 | 14,225 |
| County Road | 11,851 | 10,241 | 196 | 4,778 | 27,066 |
| Other Routes | 1,456 | 682 | 50,187 | 16,406 | 68,731 |
| Single Vehicle - All | 13,663 | 3,773 | 6,061 | 1,436 | 24,933 |
| Single Vehicle - Fatal | 226 | 22 | 42 | 0 | 290 |
| Multiple Vehicle - All | 16,696 | 6,575 | 36,834 | 22,419 | 82,524 |
| Multiple Vehicle - Fatal | 154 | 20 | 62 | 0 | 236 |
| All Collisions - Main Causes | | | | | |
| Exceeding Legal or Safe Speed | 14,280 | 3,387 | 6,753 | * N/A | 24,420 |
| Failure to Yield Right of Way | 5,111 | 2,710 | 17,222 | | 25,043 |
| Driving While Intoxicated | 4,396 | 1,199 | 4,003 | | 9,598 |
| Falling Asleep or Inattention | 5,318 | 2,312 | 15,307 | | 22,937 |
| Following Too Close | 3,325 | 987 | 4,542 | | 8,854 |
| Disregarding Signs or Signals | 1,481 | 904 | 5,759 | | 8,144 |
| Fatal Collisions - Main Causes | | | | | |
| Driving While Intoxicated | 224 | 28 | 59 | * N/A | 311 |
| Exceeding Legal or Safe Speed | 205 | 23 | 52 | | 280 |
| Failure to Yield Right of Way | 29 | 6 | 31 | | 66 |
| Crossing Over Center Line | 68 | 8 | 17 | | 93 |
| Disregarding Signs or Signals | 39 | 6 | 21 | | 66 |
| Falling Asleep or Inattention | 62 | 5 | 23 | | 90 |

*Driver violations come from investigated collisions only

DRIVER DISTRIBUTION
By Age Group & Sex

| Age Group | Involved in Collisions | | | | Licensed Drivers | | Over/Under Ratio Drivers In: | |
|---------------|------------------------|----------------|------------|----------------|------------------|----------------|---------------------------------|-------------|
| | Total | | Fatal | | | | | |
| | Number | % | Number | % | Number | % | Total | Fatal |
| Under 16 | 746 | 0.39% | 5 | 0.53% | 0 | 0.00% | 0.00 | 0.00 |
| 16 | 6,105 | 3.22% | 36 | 3.83% | 29,340 | 0.97% | 3.33 | 3.95 |
| 17 | 7,523 | 3.97% | 43 | 4.57% | 45,080 | 1.49% | 2.67 | 3.07 |
| 18 | 7,979 | 4.21% | 38 | 4.04% | 52,167 | 1.72% | 2.44 | 2.35 |
| 19 | 7,163 | 3.78% | 37 | 3.94% | 55,335 | 1.83% | 2.07 | 2.15 |
| 20 | 6,416 | 3.38% | 39 | 4.15% | 51,720 | 1.71% | 1.98 | 2.43 |
| 21 | 7,477 | 3.94% | 45 | 4.79% | 56,924 | 1.88% | 2.10 | 2.55 |
| 22 | 6,242 | 3.29% | 34 | 3.62% | 60,375 | 1.99% | 1.65 | 1.81 |
| 23 | 6,689 | 3.53% | 28 | 2.98% | 66,179 | 2.18% | 1.62 | 1.36 |
| 24 | 5,974 | 3.15% | 26 | 2.77% | 68,769 | 2.27% | 1.39 | 1.22 |
| 25-29 | 27,870 | 14.70% | 144 | 15.32% | 372,318 | 12.29% | 1.20 | 1.25 |
| 30-34 | 23,547 | 12.42% | 118 | 12.55% | 391,743 | 12.93% | 0.96 | 0.97 |
| 35-39 | 19,558 | 10.32% | 83 | 8.83% | 365,919 | 12.08% | 0.85 | 0.73 |
| 40-44 | 13,524 | 7.13% | 54 | 5.74% | 294,536 | 9.72% | 0.73 | 0.59 |
| 45-49 | 9,396 | 4.96% | 41 | 4.36% | 218,288 | 7.21% | 0.69 | 0.61 |
| 50-54 | 7,501 | 3.96% | 29 | 3.09% | 180,898 | 5.97% | 0.66 | 0.52 |
| 55-59 | 6,978 | 3.68% | 35 | 3.72% | 173,817 | 5.74% | 0.64 | 0.65 |
| 60-64 | 6,000 | 3.17% | 28 | 2.98% | 169,961 | 5.61% | 0.56 | 0.53 |
| 65-69 | 4,809 | 2.54% | 24 | 2.55% | 151,686 | 5.01% | 0.51 | 0.51 |
| 70 & Over | 8,055 | 4.25% | 53 | 5.64% | 224,320 | 7.40% | 0.57 | 0.76 |
| TOTAL | 189,552 | 100.00% | 940 | 100.00% | 3,029,375 | 100.00% | | |
| Male | 129,837 | 63.69% | 732 | 77.71% | 1,552,170 | 51.24% | 1.24 | 1.52 |
| Female | 74,028 | 36.31% | 210 | 22.29% | 1,477,205 | 48.76% | 0.74 | 0.46 |
| TOTAL | 203,865 | 100.00% | 942 | 100.00% | 3,029,375 | 100.00% | | |

Figure percentage on age based on 189,552 total drivers in collisions (does not include not stated).

Figure percentage on sex based on 203,865 drivers.

| SENIOR DRIVER COLLISIONS - 55 YEARS & OLDER Five Year Comparison | | | | | | | |
|---|---------|---------|---------|---------|---------|-------------------------------|---------------------------------------|
| Collisions & Rates | Years | | | | | Previous 4 Year Average | % of Change 85 - 4 Year Average |
| | 1986 | 1985 | 1984 | 1983 | 1982 | | |
| Total Collisions | 25,842 | 24,978 | 23,630 | 22,897 | 20,736 | 23,060 | 12.1% |
| Fatal Collisions | 140 | 144 | 149 | 153 | 119 | 141 | -0.9% |
| Injury Collisions | 9,560 | 9,264 | 8,855 | 8,643 | 7,713 | 8,619 | 10.9% |
| Licensed Drivers | 719,784 | 706,719 | 686,985 | 664,355 | 641,441 | 674,875 | 6.7% |
| Fatal Collision Ratio* | 5.42 | 5.77 | 6.31 | 6.68 | 5.74 | 6.12 | -11.5% |
| Fatal Rate** | 0.19 | 0.20 | 0.22 | 0.23 | 0.19 | 0.21 | -9.1% |
| Total Collision Rate*** | 3.59 | 3.53 | 3.44 | 3.45 | 3.23 | 3.41 | 5.2% |

* Fatal Collisions per 1,000 total collisions
 ** Fatal Collisions per 1,000 licensed drivers
 *** Senior drivers involved per 100 licensed

| SENIOR DRIVER COLLISIONS - 55 YEARS & OLDER Percent of Total Circumstances by Age Group | | | | | | | | | | |
|--|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|
| Contributing Circumstances* | 55-59 | | 60-64 | | 65-69 | | 70-74 | | 75 & Older | |
| | Number | % | Number | % | Number | % | Number | % | Number | % |
| Failure to Yield Right of Way | 900 | 29.4% | 923 | 35.0% | 903 | 37.7% | 868 | 42.0% | 1,450 | 49.1% |
| Speed--Too Fast For Conditions | 386 | 12.6% | 312 | 11.8% | 193 | 8.1% | 132 | 6.4% | 145 | 4.9% |
| Disregarding Traffic Signal/Signs | 275 | 9.0% | 198 | 7.5% | 250 | 10.4% | 237 | 11.5% | 335 | 11.3% |
| Following Too Closely | 233 | 7.6% | 203 | 7.7% | 152 | 6.3% | 123 | 5.9% | 109 | 3.7% |
| Driving While Under the Influence | 231 | 7.5% | 148 | 5.6% | 123 | 5.1% | 57 | 2.8% | 26 | 0.9% |
| Operating Defective Equipment | 75 | 2.4% | 56 | 2.1% | 45 | 1.9% | 32 | 1.5% | 38 | 1.3% |
| Crossing Over the Centerline | 68 | 2.2% | 49 | 1.9% | 45 | 1.9% | 31 | 1.5% | 54 | 1.8% |
| Exceeding Legal Speed | 32 | 1.0% | 20 | 0.8% | 18 | 0.8% | 10 | 0.5% | 10 | 0.3% |
| All Other Circumstances including Driver Inattention | 862 | 28.2% | 725 | 27.5% | 665 | 27.8% | 578 | 27.9% | 789 | 26.7% |
| TOTAL | 3,062 | 100.0% | 2,634 | 100.0% | 2,394 | 100.0% | 2,068 | 100.0% | 2,956 | 100.0% |

*Investigated collisions only

COLLISION RATES BY CITY POPULATION*
1986

| City | 1986 Population | Traffic Deaths | | Traffic Injuries | | Total Collisions | |
|---------------------------|--------------------|----------------|-------------|------------------|--------------|------------------|--------------|
| | | Number | Rate** | Number | Rate*** | Number | Rate** |
| 250,000 and Over | | | | | | | |
| 1. Seattle | 488,200 | 48 | 9.83 | 9,392 | 19.24 | 19,572 | 40.09 |
| 100,000 to 250,000 | | | | | | | |
| 1. Spokane | 172,700 | 20 | 11.58 | 3,553 | 20.57 | 6,727 | 38.95 |
| 2. Tacoma | 158,900 | 13 | 8.18 | 3,534 | 22.24 | 6,143 | 38.66 |
| 50,000 to 100,000 | | | | | | | |
| 1. Bellevue | 81,770 | 2 | 2.45 | 927 | 11.34 | 2,201 | 26.92 |
| 2. Everett | 59,470 | 8 | 13.45 | 1,130 | 19.00 | 2,263 | 38.05 |
| 25,000 to 50,000 | | | | | | | |
| 1. Yakima | 49,590 | 2 | 4.03 | 855 | 17.24 | 1,964 | 39.60 |
| 2. Bellingham | 46,380 | 0 | 0.00 | 570 | 12.29 | 1,241 | 26.76 |
| 3. Vancouver | 42,740 | 4 | 9.36 | 666 | 15.58 | 1,311 | 30.67 |
| 4. Kennewick | 36,600 | 5 | 13.66 | 364 | 9.95 | 901 | 24.62 |
| 5. Renton | 34,460 | 5 | 14.51 | 714 | 20.72 | 1,723 | 50.00 |
| 6. Bremerton | 33,420 | 5 | 14.96 | 475 | 14.21 | 1,064 | 31.84 |
| 7. Richland | 30,240 | 3 | 9.92 | 261 | 8.63 | 570 | 18.85 |
| 8. Auburn | 29,950 | 8 | 26.71 | 433 | 14.46 | 868 | 28.98 |
| 9. Longview | 29,370 | 3 | 10.21 | 415 | 14.13 | 817 | 27.82 |
| 10. Olympia | 28,990 | 2 | 6.90 | 564 | 19.45 | 1,262 | 43.53 |
| 11. Redmond | 28,811 | 2 | 6.94 | 417 | 14.47 | 869 | 30.16 |
| 12. Kent | 28,620 | 8 | 27.95 | 908 | 31.73 | 1,465 | 51.19 |
| 13. Edmonds | 28,060 | 0 | 0.00 | 298 | 10.62 | 584 | 20.81 |
| 14. Walla Walla | 25,590 | 4 | 15.63 | 247 | 9.65 | 586 | 22.90 |
| 15,000 to 25,000 | | | | | | | |
| 1. Lynnwood | 24,000 | 1 | 4.17 | 667 | 27.79 | 1,241 | 51.71 |
| 2. Pullman | 22,530 | 0 | 0.00 | 105 | 4.66 | 300 | 13.32 |
| 3. Mercer Island | 20,670 | 1 | 4.84 | 79 | 3.82 | 233 | 11.27 |
| 4. Kirkland | 19,410 | 0 | 0.00 | 268 | 13.81 | 588 | 30.29 |
| 5. Puyallup | 19,400 | 1 | 5.15 | 306 | 15.77 | 653 | 33.66 |
| 6. Pasco | 18,420 | 2 | 10.86 | 331 | 17.97 | 733 | 39.79 |
| 7. Wenatchee | 17,980 | 0 | 0.00 | 239 | 13.29 | 604 | 33.59 |
| 8. Port Angeles | 17,300 | 0 | 0.00 | 206 | 11.91 | 488 | 28.21 |
| 9. Aberdeen | 17,010 | 3 | 17.64 | 158 | 9.29 | 581 | 34.16 |
| 10. Mountlake Terrace | 15,590 | 0 | 0.00 | 125 | 8.02 | 294 | 18.86 |
| 12. Lacey | 15,270 | 0 | 0.00 | 188 | 12.25 | 447 | 27.77 |
| 10,000 to 15,000 | | | | | | | |
| 1. Mount Vernon | 14,260 | 0 | 0.00 | 187 | 11.78 | 424 | 21.53 |
| 2. Des Moines | 13,690 | 2 | 14.61 | 168 | 6.72 | 307 | 14.76 |
| 3. Oak Harbor | 13,480 | 0 | 0.00 | 92 | 13.58 | 202 | 26.85 |
| 4. Centralia | 11,800 | 1 | 8.47 | 183 | 5.17 | 362 | 18.22 |
| 5. Ellensburg | 11,400 | 0 | 0.00 | 61 | 15.44 | 215 | 28.60 |
| 6. Kelso | 10,760 | 1 | 9.29 | 176 | 13.66 | 326 | 30.02 |
| 7. Moses Lake | 10,390 | 1 | 9.62 | 147 | 14.15 | 323 | 31.09 |
| TOTAL | 1,727,221 | 155 | 8.97 | 29,409 | 17.03 | 60,452 | 35.00 |

*Does not include collisions on limited access roads or freeways

**Frequency per 100,000 population

***Frequency per 1,000 population

COLLISION RATES BY COUNTY POPULATION
1986

| County | 1986 Population | Traffic Deaths | | Traffic Injuries | | Total Collisions | |
|--------------------|--------------------|----------------|--------------|------------------|--------------|------------------|--------------|
| | | Number | Rate* | Number | Rate** | Number | Rate** |
| Over 1,000,000 | | | | | | | |
| 1. King | 1,361,700 | 164 | 12.04 | 23,962 | 17.60 | 46,525 | 34.17 |
| 250,000 to 500,000 | | | | | | | |
| 1. Pierce | 530,800 | 56 | 10.55 | 9,094 | 17.13 | 15,034 | 28.32 |
| 2. Snohomish | 381,600 | 45 | 11.79 | 5,611 | 14.70 | 10,229 | 26.81 |
| 3. Spokane | 355,900 | 70 | 19.67 | 5,860 | 16.47 | 10,258 | 28.82 |
| 100,000 to 250,000 | | | | | | | |
| 1. Clark | 205,000 | 26 | 12.68 | 2,630 | 12.83 | 4,281 | 20.88 |
| 2. Yakima | 183,600 | 36 | 19.61 | 2,327 | 12.67 | 4,530 | 24.67 |
| 3. Kitsap | 164,500 | 22 | 13.37 | 1,890 | 11.49 | 3,344 | 20.33 |
| 4. Thurston | 142,200 | 21 | 14.77 | 2,008 | 14.12 | 3,646 | 25.64 |
| 5. Whatcom | 116,700 | 12 | 10.28 | 1,434 | 12.29 | 2,603 | 22.31 |
| 6. Benton | 104,000 | 24 | 23.08 | 1,053 | 10.13 | 2,198 | 21.13 |
| 50,000 to 100,000 | | | | | | | |
| 1. Cowlitz | 78,900 | 14 | 17.74 | 1,007 | 12.76 | 1,835 | 23.26 |
| 2. Skagit | 69,000 | 19 | 27.54 | 1,038 | 15.04 | 1,865 | 27.03 |
| 3. Grays Harbor | 63,000 | 21 | 33.33 | 871 | 13.83 | 1,714 | 27.21 |
| 4. Lewis | 56,800 | 17 | 29.93 | 805 | 14.17 | 1,450 | 25.53 |
| 5. Clallam | 52,900 | 10 | 18.90 | 548 | 10.36 | 1,201 | 22.70 |
| 25,000 to 50,000 | | | | | | | |
| 1. Grant | 50,500 | 18 | 35.64 | 563 | 11.15 | 1,010 | 20.00 |
| 3. Island | 50,600 | 5 | 9.88 | 412 | 8.14 | 763 | 15.08 |
| 4. Chelan | 48,900 | 10 | 20.45 | 669 | 13.68 | 1,383 | 28.28 |
| 2. Walla Walla | 48,500 | 14 | 28.87 | 478 | 9.86 | 992 | 20.45 |
| 5. Whitman | 39,500 | 3 | 7.59 | 374 | 9.47 | 714 | 18.08 |
| 6. Mason | 35,400 | 12 | 33.90 | 441 | 12.46 | 735 | 20.76 |
| 7. Franklin | 35,300 | 5 | 14.16 | 468 | 13.26 | 1,011 | 28.64 |
| 8. Okanogan | 31,600 | 13 | 41.14 | 427 | 13.51 | 682 | 21.58 |
| 9. Stevens | 30,200 | 14 | 46.36 | 240 | 7.95 | 465 | 15.40 |
| 10,000 to 25,000 | | | | | | | |
| 1. Kittitas | 25,000 | 12 | 48.00 | 564 | 22.56 | 1,167 | 46.68 |
| 2. Douglas | 23,300 | 8 | 34.33 | 271 | 11.63 | 472 | 20.26 |
| 3. Jefferson | 17,900 | 4 | 22.35 | 252 | 14.08 | 417 | 23.30 |
| 4. Pacific | 17,200 | 1 | 5.81 | 202 | 11.74 | 367 | 21.34 |
| 5. Asotin | 17,000 | 1 | 5.88 | 121 | 7.12 | 250 | 14.71 |
| 6. Klickitat | 16,600 | 4 | 24.10 | 184 | 11.08 | 319 | 19.22 |
| 7. Adams | 13,900 | 12 | 86.33 | 230 | 16.55 | 359 | 25.83 |
| Under 10,000 | | | | | | | |
| 1. Lincoln | 9,700 | 9 | 92.78 | 137 | 14.12 | 189 | 19.48 |
| 2. Pend Oreille | 9,000 | 6 | 66.67 | 113 | 12.56 | 221 | 24.56 |
| 3. San Juan | 8,900 | 0 | 0.00 | 76 | 8.54 | 131 | 14.72 |
| 4. Skamania | 7,800 | 1 | 12.82 | 122 | 15.64 | 182 | 23.33 |
| 5. Ferry | 6,100 | 4 | 65.57 | 76 | 12.46 | 127 | 20.82 |
| 6. Columbia | 4,100 | 0 | 0.00 | 55 | 13.41 | 90 | 21.95 |
| 7. Wahkiakum | 3,600 | 0 | 0.00 | 50 | 13.89 | 90 | 25.00 |
| 8. Garfield | 2,500 | 1 | 40.00 | 44 | 17.60 | 69 | 27.60 |
| TOTAL | 4,419,700 | 714 | 16.15 | 66,707 | 15.09 | 122,918 | 27.81 |

*Frequency per 100,000 population
**Frequency per 1,000 population

MOTORCYCLE COLLISIONS SUMMARY
Five Year Comparison

| Collision Severity/Exposure & Rates | Years | | | | | Previous 4 Year Average | % of Change 86 - 4 Year Average |
|-------------------------------------|---------|---------|---------|---------|---------|-------------------------------|---------------------------------------|
| | 1986 | 1985 | 1984 | 1983 | 1982 | | |
| Total Collisions | 3,508 | 3,699 | 3,477 | 3,312 | 3,376 | 3,466 | 1.21% |
| Fatal Collisions | 80 | 82 | 69 | 77 | 103 | 83 | -3.32% |
| Fatal Collision Ratio* | 22.8 | 22.2 | 19.8 | 23.2 | 30.5 | 23.9 | -4.75% |
| Motorcycle Registration | 122,751 | 125,224 | 126,703 | 127,950 | 131,667 | 127,886 | -4.02% |
| Total Collision Registration Rate** | 2.86 | 2.95 | 2.74 | 2.59 | 2.56 | 2.71 | 5.35% |
| Fatal Registration Rate*** | 0.652 | 0.655 | 0.545 | 0.602 | 0.782 | 0.646 | 0.91% |
| Total Persons Killed | 81 | 85 | 75 | 77 | 109 | 86 | -6.36% |
| Total Persons Injured | 3,673 | 3,884 | 3,656 | 3,555 | 3,341 | 3,609 | 1.77% |
| Motorcyclist Killed | 80 | 82 | 72 | 77 | 108 | 85 | -5.60% |
| Motorcyclist Injured | 3,469 | 3,631 | 3,434 | 3,351 | 3,289 | 3,426 | 1.25% |

*Fatal Collisions per 1,000 motorcycle collisions

**Motorcycle involved per 100 registered

***Fatal Collisions per 1,000 motorcycles registered

SOBRIETY OF DRIVERS INVOLVED IN FATAL COLLISIONS
Statewide Comparison

| Condition of Driver (Sobriety) | Years | | Previous 3 Year Average | % of Change | |
|--|-------|------|-------------------------------|-------------|------------------------|
| | 1986 | 1985 | | 86-86 | 86 - 3 Year Average |
| Had been drinking - ability impaired | 306 | 292 | 286 | 4.8% | 6.9% |
| Had been drinking - ability not impaired | 51 | 43 | 44 | 18.6% | 15.9% |
| Had been drinking - sobriety unknown | 13 | 11 | 18 | 18.2% | -26.4% |
| Had not been drinking | 546 | 577 | 551 | -5.4% | -0.9% |
| Not stated | 35 | 45 | 49 | -22.2% | -29.1% |
| Total drivers drinking | 370 | 346 | 348 | 6.9% | 6.3% |
| Total drivers - excluding not stated | 916 | 923 | 899 | -0.8% | 1.9% |
| Total drivers | 951 | 968 | 948 | -1.8% | 0.3% |
| No. drinking drivers per 100 involved | 40.4 | 37.5 | 38.7 | 7.8% | 4.3% |
| No. drunk drivers per 100 involved | 33.4 | 31.6 | 31.8 | -2.8% | 5.0% |

| SOBRIETY OF DRIVERS INVOLVED IN FATAL COLLISIONS Rural Comparison | | | | | |
|--|-------|------|-------------------------------|-------------|------------------------|
| Condition of Driver (Sobriety) | Years | | Previous 3 Year Average | % of Change | |
| | 1986 | 1985 | | 86-85 | 86 - 3 Year Average |
| Had been drinking - ability impaired | 228 | 223 | 222 | 2.2% | 2.5% |
| Had been drinking - ability not impaired | 30 | 29 | 31 | 3.4% | -2.2% |
| Had been drinking - sobriety unknown | 7 | 6 | 12 | 16.7% | -41.7% |
| Had not been drinking | 377 | 433 | 405 | -12.9% | -6.9% |
| Not stated | 16 | 21 | 26 | -23.8% | -37.7% |
| Total drivers drinking | 265 | 258 | 265 | 2.7% | 0.0% |
| Total drivers - excluding not stated | 642 | 691 | 670 | -7.1% | -4.2% |
| Total drivers | 658 | 712 | 696 | -7.6% | -5.4% |
| No. drinking drivers per 100 involved | 41.3 | 37.3 | 39.6 | 10.6% | 4.2% |
| No. drunk drivers per 100 involved | 35.5 | 32.3 | 33.1 | 10.0% | 7.2% |

| SOBRIETY OF DRIVERS INVOLVED IN FATAL COLLISIONS Urban Comparison | | | | | |
|--|-------|------|-------------------------------|-------------|------------------------|
| Condition of Driver (Sobriety) | Years | | Previous 3 Year Average | % of Change | |
| | 1986 | 1985 | | 86-85 | 86 - 3 Year Average |
| Had been drinking - ability impaired | 78 | 69 | 64 | 13.0% | 21.9% |
| Had been drinking - ability not impaired | 21 | 14 | 13 | 50.0% | 57.5% |
| Had been drinking - sobriety unknown | 6 | 5 | 6 | 20.0% | 5.9% |
| Had not been drinking | 169 | 144 | 146 | 17.4% | 15.8% |
| Not stated | 19 | 24 | 24 | -20.8% | -19.7% |
| Total drivers drinking | 105 | 88 | 83 | 19.3% | 26.5% |
| Total drivers - excluding not stated | 274 | 232 | 229 | 18.1% | 19.7% |
| Total drivers | 293 | 256 | 253 | 14.5% | 16.0% |
| No. drinking drivers per 100 involved | 38.3 | 37.9 | 36.2 | 1.0% | 5.8% |
| No. drunk drivers per 100 involved | 28.5 | 29.7 | 28.0 | -4.3% | 1.8% |

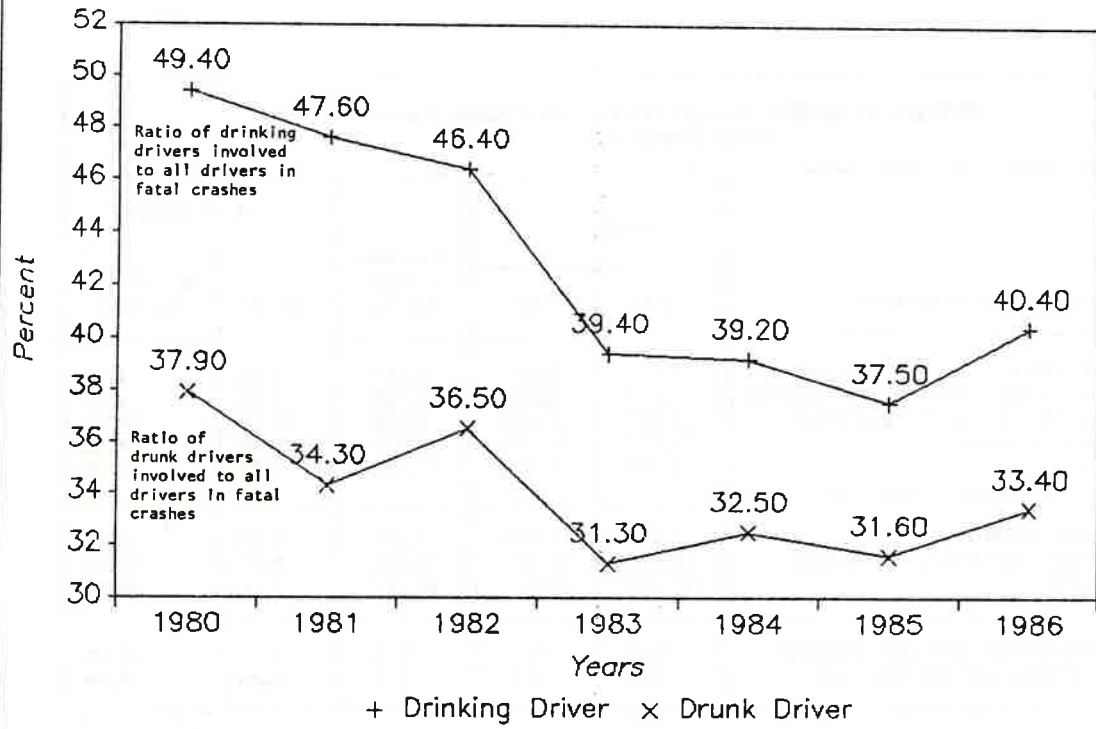
| SOBRIETY OF DRIVERS INVOLVED IN ALL INVESTIGATED COLLISIONS Statewide Comparison | | | | | |
|---|---------|---------|-------------------------------|-------------|------------------------|
| Condition of Driver (Sobriety) | Years | | Previous 3 Year Average | % of Change | |
| | 1986 | 1985 | | 86-85 | 86 - 3 Year Average |
| Had been drinking - ability impaired | 9,335 | 8,689 | 9,043 | 7.4% | 3.2% |
| Had been drinking - ability not impaired | 3,695 | 3,430 | 3,545 | 7.7% | 4.2% |
| Had been drinking - sobriety unknown | 5,097 | 4,623 | 4,529 | 10.3% | 12.5% |
| Had not been drinking | 129,372 | 122,244 | 114,373 | 5.8% | 13.1% |
| Not stated | 16,874 | 16,163 | 15,187 | 4.4% | 11.1% |
| Total drivers drinking | 18,127 | 16,742 | 17,117 | 8.3% | 5.9% |
| Total drivers - excluding not stated | 147,499 | 138,986 | 131,490 | 6.1% | 12.2% |
| Total drivers | 164,373 | 155,149 | 146,677 | 5.9% | 12.1% |
| No. drinking drivers per 100 involved | 12.3 | 12.0 | 13.1 | 2.0% | -5.8% |
| No. drunk drivers per 100 involved | 6.3 | 6.3 | 6.9 | 1.2% | -8.3% |

| SOBRIETY OF DRIVERS INVOLVED IN ALL INVESTIGATED COLLISIONS Rural Comparison | | | | | |
|---|--------|--------|-------------------------------|-------------|------------------------|
| Condition of Driver (Sobriety) | Years | | Previous 3 Year Average | % of Change | |
| | 1986 | 1985 | | 86-85 | 86 - 3 Year Average |
| Had been drinking - ability impaired | 5,083 | 4,818 | 4,986 | 5.5% | 1.9% |
| Had been drinking - ability not impaired | 1,745 | 1,609 | 1,717 | 8.5% | 1.7% |
| Had been drinking - sobriety unknown | 2,420 | 2,217 | 2,303 | 9.2% | 5.1% |
| Had not been drinking | 49,555 | 48,971 | 45,858 | 1.2% | 8.1% |
| Not stated | 4,257 | 4,209 | 4,052 | 1.1% | 5.1% |
| Total drivers drinking | 9,248 | 8,644 | 9,006 | 7.0% | 2.7% |
| Total drivers - excluding not stated | 58,803 | 57,615 | 54,864 | 2.1% | 7.2% |
| Total drivers | 63,060 | 61,824 | 58,916 | 2.0% | 7.0% |
| No. drinking drivers per 100 involved | 15.7 | 15.0 | 16.5 | 4.8% | -4.4% |
| No. drunk drivers per 100 involved | 8.6 | 8.4 | 9.1 | 3.4% | -5.1% |

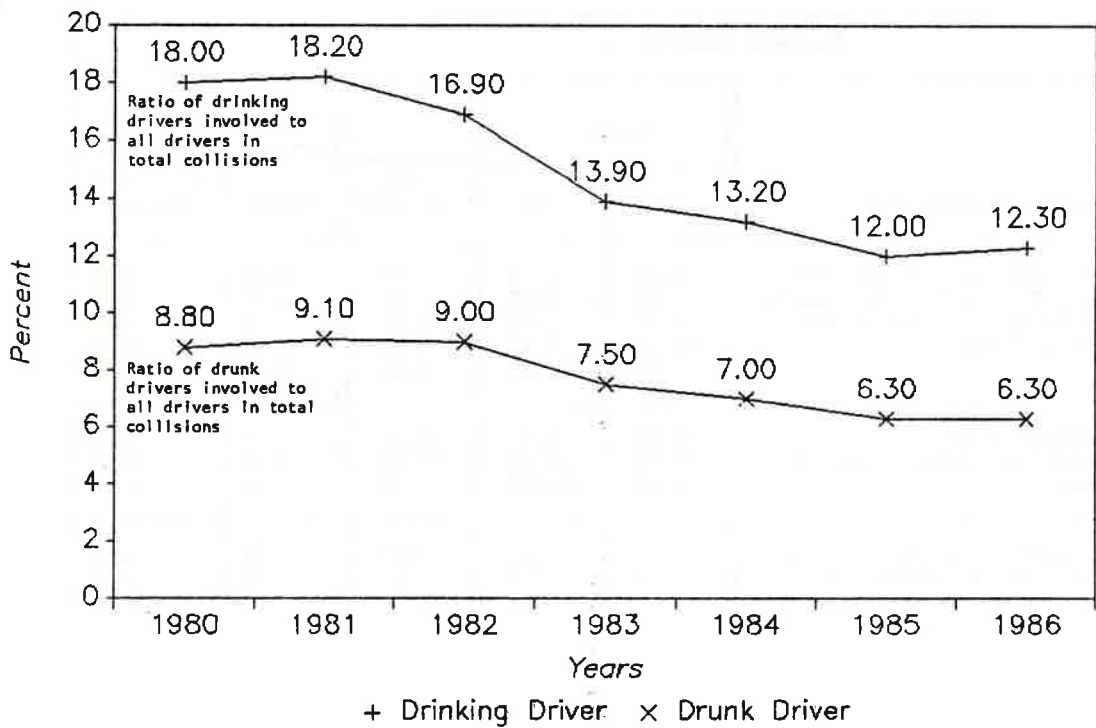
| SOBRIETY OF DRIVERS INVOLVED IN ALL INVESTIGATED COLLISIONS Urban Comparison | | | | | |
|---|---------|--------|-------------------------------|-------------|------------------------|
| Condition of Driver (Sobriety) | Years | | Previous 3 Year Average | % of Change | |
| | 1986 | 1985 | | 86-85 | 86 - 3 Year Average |
| Had been drinking - ability impaired | 4,252 | 3,871 | 4,057 | 9.8% | 4.8% |
| Had been drinking - ability not impaired | 1,950 | 1,821 | 1,828 | 7.1% | 6.7% |
| Had been drinking - sobriety unknown | 2,677 | 2,406 | 2,226 | 11.3% | 20.2% |
| Had not been drinking | 79,817 | 73,273 | 68,515 | 8.9% | 16.5% |
| Not stated | 12,617 | 11,954 | 11,131 | 5.5% | 13.3% |
| Total drivers drinking | 8,879 | 8,098 | 8,111 | 9.6% | 9.5% |
| Total drivers - excluding not stated | 88,696 | 81,371 | 76,626 | 9.0% | 15.8% |
| Total drivers | 101,313 | 93,325 | 87,757 | 8.6% | 15.4% |
| No. drinking drivers per 100 involved | 10.0 | 10.0 | 10.6 | 0.6% | -5.7% |
| No. drunk drivers per 100 involved | 4.8 | 4.8 | 5.3 | 0.8% | -9.8% |

| SOBRIETY OF DRIVERS INVOLVED IN INJURY COLLISIONS Statewide Comparison | | | | | |
|---|--------|--------|-------------------------------|-------------|------------------------|
| Condition of Driver (Sobriety) | Years | | Previous 3 Year Average | % of Change | |
| | 1986 | 1985 | | 86-85 | 86 - 3 Year Average |
| Had been drinking - ability impaired | 5,081 | 4,613 | 4,770 | 10.1% | 6.5% |
| Had been drinking - ability not impaired | 1,827 | 1,720 | 1,741 | 6.2% | 4.9% |
| Had been drinking - sobriety unknown | 2,248 | 2,106 | 2,179 | 6.7% | 3.2% |
| Had not been drinking | 54,486 | 51,211 | 48,308 | 6.4% | 12.8% |
| Not stated | 4,917 | 4,645 | 4,444 | 5.9% | 10.7% |
| Total drivers drinking | 9,156 | 8,439 | 8,691 | 8.5% | 5.4% |
| Total drivers - excluding not stated | 63,642 | 59,650 | 56,999 | 6.7% | 11.7% |
| Total drivers | 68,559 | 64,295 | 61,442 | 6.6% | 11.6% |
| No. drinking drivers per 100 involved | 14.4 | 14.1 | 15.3 | 2.1% | -5.8% |
| No. drunk drivers per 100 involved | 8.0 | 7.7 | 8.4 | 3.9% | -4.8% |

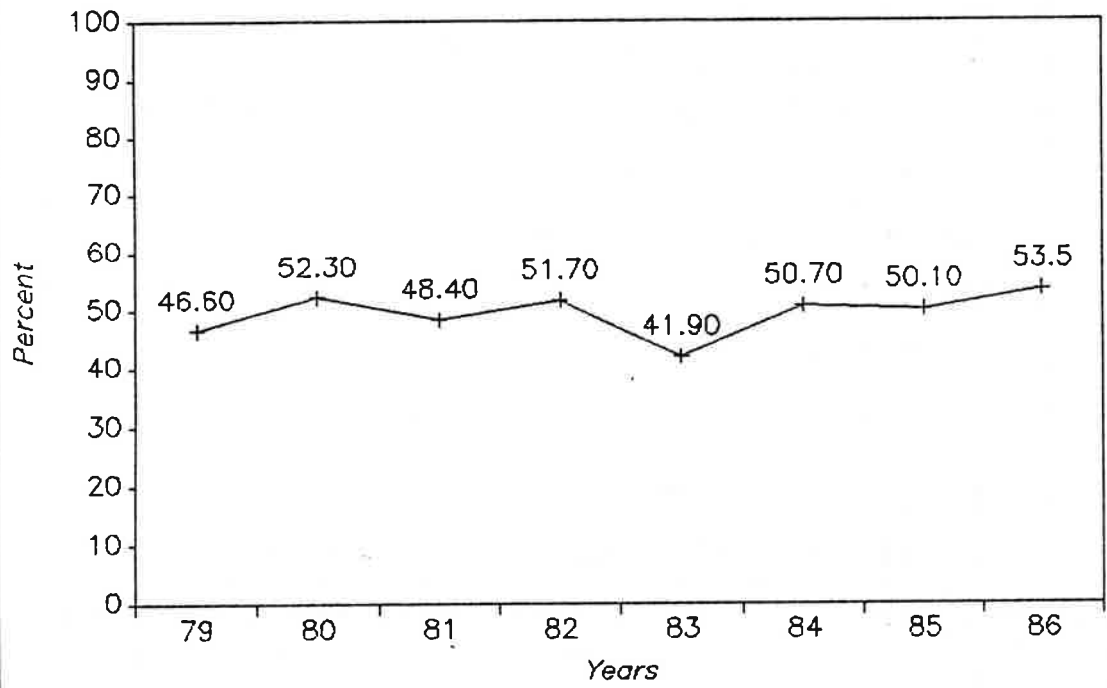
DRIVERS INVOLVED IN FATAL CRASHES



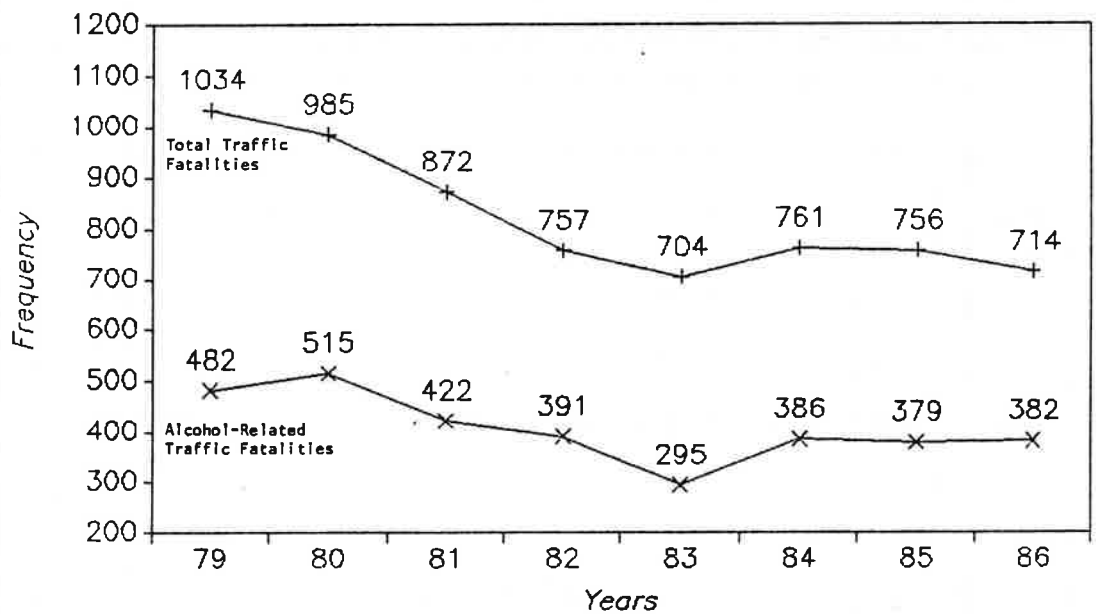
DRIVERS INVOLVED IN TOTAL COLLISIONS



PERCENT OF ALCOHOL-RELATED FATALITIES TO TOTAL FATALITIES (1979-1986)



COMPARISON OF ALCOHOL-RELATED FATALITIES TO TOTAL TRAFFIC FATALITIES (1979-1986)



+ All Traffic Fatalities x Alc.-Related Fatalities

TOXICOLOGIST RESULTS OF DRIVERS KILLED IN FATAL COLLISIONS
Five Year Comparison

| Age | Negative Result | | | | | Results Less Than .10 | | | | | Results .10 & Over | | | | | Average Test Results* | | | | |
|--|-----------------|-------------|-------------|-------------|-------------|-----------------------|------------|------------|-------------|--------------|--------------------|-------------|-------------|-------------|--------------|-----------------------|-------------|-------------|-------------|---------------|
| | 1986 | 1985 | 1984 | 1983 | 1982 | 1986 | 1985 | 1984 | 1983 | 1982 | 1986 | 1985 | 1984 | 1983 | 1982 | 1986 | 1985 | 1984 | 1983 | 1982 |
| 16 | 6 | 6 | 7 | 4 | 5 | 3 | 0 | 0 | 0 | 0 | 3.00 | 1 | 2 | 0 | 1 | 0.10 | 0.13 | 0.22 | 0.00 | 0.20 |
| 17 | 9 | 5 | 3 | 3 | 4 | 2 | 1 | 0 | 3 | 2 | 4.00 | 4 | 3 | 2 | 2 | 0.13 | 0.13 | 0.12 | 0.12 | 0.13 |
| 18 | 10 | 11 | 9 | 3 | 7 | 0 | 2 | 0 | 3 | 1 | 5.00 | 8 | 5 | 5 | 7 | 0.18 | 0.15 | 0.20 | 0.12 | 0.16 |
| 19 | 5 | 4 | 7 | 2 | 6 | 3 | 3 | 3 | 0 | 0 | 11.00 | 3 | 6 | 2 | 9 | 0.17 | 0.11 | 0.12 | 0.19 | 0.20 |
| 20 | 7 | 3 | 3 | 4 | 4 | 1 | 4 | 1 | 4 | 1 | 9.00 | 3 | 7 | 10 | 10 | 0.17 | 0.10 | 0.16 | 0.20 | 0.17 |
| 21 | 3 | 4 | 4 | 2 | 3 | 3 | 0 | 4 | 0 | 0 | 12.00 | 7 | 5 | 5 | 10 | 0.16 | 0.19 | 0.13 | 0.20 | 0.19 |
| 22 | 6 | 10 | 7 | 2 | 7 | 1 | 3 | 3 | 0 | 2 | 6.00 | 11 | 10 | 3 | 7 | 0.14 | 0.16 | 0.16 | 0.15 | 0.17 |
| 23 | 5 | 8 | 4 | 3 | 1 | 2 | 0 | 2 | 1 | 0 | 5.00 | 10 | 13 | 11 | 5 | 0.17 | 0.19 | 0.20 | 0.17 | 0.17 |
| 24 | 3 | 6 | 6 | 2 | 4 | 1 | 0 | 1 | 1 | 2 | 5.00 | 5 | 9 | 7 | 6 | 0.17 | 0.17 | 0.21 | 0.19 | 0.17 |
| 25 | 10 | 0 | 3 | 3 | 4 | 0 | 1 | 0 | 0 | 1 | 10.00 | 10 | 9 | 6 | 5 | 0.20 | 0.21 | 0.22 | 0.16 | 0.17 |
| 26 | 2 | 5 | 4 | 6 | 1 | 1 | 1 | 1 | 2 | 1 | 6.00 | 6 | 5 | 10 | 9 | 0.15 | 0.20 | 0.17 | 0.19 | 0.18 |
| 27 | 2 | 5 | 1 | 3 | 1 | 0 | 5 | 2 | 0 | 0 | 10.00 | 2 | 6 | 5 | 6 | 0.23 | 0.10 | 0.17 | 0.19 | 0.21 |
| 28 | 3 | 7 | 4 | 6 | 5 | 1 | 0 | 0 | 0 | 1 | 6.00 | 12 | 8 | 5 | 15 | 0.17 | 0.23 | 0.23 | 0.19 | 0.22 |
| 29 | 4 | 3 | 3 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 6.00 | 10 | 3 | 6 | 5 | 0.18 | 0.19 | 0.23 | 0.20 | 0.17 |
| 30 | 2 | 2 | 2 | 2 | 7 | 3 | 0 | 1 | 2 | 2 | 3.00 | 3 | 3 | 8 | 2 | 0.15 | 0.22 | 0.22 | 0.17 | 0.14 |
| 31 | 3 | 2 | 3 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 8.00 | 8 | 3 | 5 | 8 | 0.18 | 0.18 | 0.18 | 0.20 | 0.23 |
| 32 | 3 | 7 | 4 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 4.00 | 2 | 4 | 4 | 1 | 0.13 | 0.19 | 0.22 | 0.23 | 0.31 |
| 33 | 1 | 3 | 3 | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 5.00 | 2 | 5 | 1 | 3 | 0.19 | 0.20 | 0.19 | 0.28 | 0.17 |
| 34 | 3 | 3 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 1.00 | 6 | 3 | 2 | 7 | 0.17 | 0.20 | 0.20 | 0.16 | 0.18 |
| 35 | 2 | 2 | 0 | 4 | 3 | 1 | 0 | 0 | 0 | 1 | 2.00 | 7 | 4 | 4 | 2 | 0.13 | 0.22 | 0.20 | 0.17 | 0.16 |
| 36 | 3 | 4 | 4 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 3.00 | 2 | 6 | 1 | 3 | 0.13 | 0.13 | 0.18 | 0.12 | 0.16 |
| 37 | 2 | 1 | 3 | 1 | 3 | 0 | 0 | 1 | 0 | 0 | 5.00 | 3 | 4 | 3 | 1 | 0.20 | 0.18 | 0.21 | 0.14 | 0.25 |
| 38 | 3 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2.00 | 1 | 3 | 1 | 1 | 0.16 | 0.24 | 0.23 | 0.14 | 0.11 |
| 39 | 0 | 1 | 2 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 1.00 | 2 | 2 | 2 | 5 | 0.11 | 0.20 | 0.16 | 0.21 | 0.20 |
| 40 | 1 | 1 | 2 | 2 | 1 | 0 | 0 | 1 | 0 | 1 | 6.00 | 4 | 2 | 3 | 4 | 0.17 | 0.18 | 0.18 | 0.20 | 0.14 |
| 41-45 | 5 | 14 | 9 | 3 | 6 | 2 | 1 | 2 | 1 | 1 | 8.00 | 10 | 9 | 8 | 16 | 0.17 | 0.13 | 0.16 | 0.19 | 0.17 |
| 46-50 | 3 | 6 | 7 | 4 | 1 | 1 | 0 | 3 | 3 | 2 | 6.00 | 10 | 5 | 4 | 8 | 0.25 | 0.24 | 0.17 | 0.13 | 0.18 |
| 51-55 | 6 | 6 | 8 | 6 | 8 | 0 | 0 | 3 | 2 | 1 | 3.00 | 1 | 3 | 3 | 7 | 0.19 | 0.23 | 0.15 | 0.18 | 0.20 |
| 56-60 | 9 | 5 | 8 | 3 | 6 | 2 | 2 | 1 | 1 | 1 | 3.00 | 4 | 4 | 3 | 5 | 0.12 | 0.19 | 0.19 | 0.16 | 0.21 |
| 61-65 | 8 | 11 | 11 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 4.00 | 0 | 4 | 3 | 2 | 0.20 | 0.00 | 0.20 | 0.19 | 0.21 |
| 66 & Over | 23 | 22 | 23 | 14 | 15 | 4 | 2 | 0 | 1 | 0 | 3.00 | 3 | 3 | 2 | 2 | 0.15 | 0.13 | 0.17 | 0.13 | 0.14 |
| TOTAL | 152 | 174 | 156 | 97 | 112 | 40 | 28 | 31 | 26 | 21 | 165 | 160 | 158 | 134 | 174 | 0.17 | 0.18 | 0.17 | 0.18 | 0.17 |
| % of Tested Drivers | 41.8 | 47.5 | 37.2 | 36.4 | 37.4 | 11.0 | 7.7 | 8.9 | 10.0 | 6.8 | 45.3 | 43.7 | 45.4 | 51.3 | 56.5 | 5.12 | | | | |
| % of Change 86 - 3 Year Avg | | | | | 3.6% | | | | | 24.1% | | | | | -3.2% | | | | | -0.04% |

| ALL REPORTED ACCIDENTS & ALCOHOL INVOLVED ACCIDENTS Comparison of Miles Traveled | | | | | |
|---|------------------------------|----------------------------|------------------|----------------------------|------------------|
| Driver Age | % of Vehicle Miles Traveled* | Drivers in All Accidents** | | Alcohol Involved Accidents | |
| | | % | Over/Under Ratio | % | Over/Under Ratio |
| 19 & Younger | 3.1 | 15.57% | 5.02% | 12.70% | 4.10% |
| 20 - 34 | 41.0 | 44.43% | 1.08% | 60.07% | 1.47% |
| 35-54 | 37.9 | 26.37% | 0.70% | 21.00% | 0.55% |
| 55-64 | 12.7 | 6.85% | 0.54% | 3.84% | 0.30% |
| 65 & Over | 5.3 | 6.79% | 1.28% | 2.39% | 0.45% |

* Source - Nationwide Personal Transportation Study - U.S. Dept. of Transportation, 1983-84
 ** Source - Accident Records Unit - Washington State Patrol

| COMPARISON OF ALCOHOL-RELATED COLLISIONS By Motor Vehicle Travel by County | | | | | | | | |
|---|------------|--------|-----------------------|------------------|------------------------------------|--------------|--------------|----------------|
| County | Collisions | | | | Alcohol-related Collisions by Type | | | |
| | Total | % | % of Motor Veh Travel | Over/Under Ratio | Cities | State Routes | County Roads | Other Roadways |
| Adams | 64 | 0.37% | 0.99 | -0.37% | 19 | 33 | 12 | 0 |
| Asotin | 42 | 0.24% | 0.30 | -0.81% | 17 | 13 | 12 | 0 |
| Benton | 324 | 1.87% | 2.85 | -0.66% | 187 | 80 | 57 | 0 |
| Chelan | 185 | 1.07% | 1.18 | 0.91% | 65 | 57 | 55 | 8 |
| Clallam | 194 | 1.12% | 1.24 | -0.90% | 54 | 84 | 50 | 6 |
| Clark | 568 | 3.28% | 4.35 | -0.75% | 141 | 175 | 251 | 1 |
| Columbia | 20 | 0.12% | 0.16 | -0.72% | 2 | 7 | 8 | 3 |
| Cowlitz | 268 | 1.55% | 2.57 | -0.60% | 119 | 87 | 62 | 0 |
| Douglas | 84 | 0.49% | 0.58 | -0.84% | 7 | 51 | 24 | 2 |
| Ferry | 38 | 0.22% | 0.17 | -1.29% | 1 | 14 | 17 | 6 |
| Franklin | 170 | 0.98% | 1.15 | -0.85% | 106 | 29 | 35 | 0 |
| Garfield | 10 | 0.06% | 0.14 | -0.41% | 0 | 8 | 2 | 0 |
| Grant | 143 | 0.83% | 2.02 | -0.41% | 25 | 67 | 47 | 4 |
| Grays Harbor | 335 | 1.94% | 1.87 | -1.04% | 112 | 164 | 52 | 7 |
| Island | 125 | 0.72% | 0.69 | 1.05% | 23 | 40 | 62 | 0 |
| Jefferson | 81 | 0.47% | 0.48 | 0.98% | 13 | 31 | 37 | 0 |
| King | 5,147 | 29.74% | 29.15 | 1.02% | 2,474 | 1,519 | 1,142 | 12 |
| Kitsap | 628 | 3.63% | 2.69 | 1.35% | 122 | 151 | 346 | 9 |
| Kittitas | 128 | 0.74% | 2.04 | -0.36% | 27 | 67 | 33 | 1 |
| Klickitat | 71 | 0.41% | 0.60 | -0.68% | 5 | 39 | 27 | 0 |
| Lewis | 248 | 1.43% | 2.06 | -0.70% | 64 | 108 | 71 | 5 |
| Lincoln | 40 | 0.23% | 0.62 | -0.37% | 3 | 27 | 10 | 0 |
| Mason | 169 | 0.98% | 0.82 | 1.19% | 19 | 54 | 90 | 6 |
| Okanogan | 167 | 0.97% | 0.62 | 1.56% | 15 | 75 | 65 | 12 |
| Pacific | 95 | 0.55% | 0.53 | -1.04% | 12 | 53 | 27 | 3 |
| Pend Oreille | 51 | 0.29% | 0.27 | -1.09% | 6 | 22 | 21 | 2 |
| Pierce | 2,383 | 13.77% | 19.81 | -0.70% | 934 | 653 | 787 | 9 |
| San Juan | 33 | 0.19% | 0.05 | 3.81% | 4 | 0 | 29 | 0 |
| Skagit | 315 | 1.82% | 2.14 | -0.85% | 85 | 140 | 88 | 2 |
| Skamania | 24 | 0.14% | 0.24 | -0.58% | 2 | 16 | 5 | 1 |
| Snohomish | 1,735 | 10.03% | 6.96 | 1.44% | 550 | 580 | 598 | 7 |
| Spokane | 1,409 | 8.14% | 8.12 | -1.00% | 715 | 325 | 365 | 4 |
| Stevens | 97 | 0.56% | 0.71 | -0.79% | 9 | 51 | 34 | 3 |
| Thurston | 527 | 3.05% | 3.66 | -0.83% | 178 | 121 | 223 | 5 |
| Wahkiakum | 25 | 0.14% | 0.14 | 1.03% | 0 | 19 | 6 | 0 |
| Walla Walla | 138 | 0.80% | 0.83 | 0.96% | 76 | 32 | 30 | 0 |
| Whatcom | 406 | 2.35% | 2.30 | 1.02% | 148 | 100 | 153 | 5 |
| Whitman | 101 | 0.58% | 1.13 | -0.52% | 31 | 40 | 29 | 1 |
| Yakima | 717 | 4.14% | 3.75 | 1.10% | 316 | 128 | 258 | 15 |
| TOTAL | 17,305 | | | | | | | |

| RESTRAINT USAGE RATE Five Year Comparison | | | | | | | | | | |
|--|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|
| Status | 1986 % | | 1985 % | | 1984 % | | 1983 % | | 1982 % | |
| Restraints Used | 102,751 | 54.5% | 60,392 | 35.1% | 45,214 | 28.0% | 31,751 | 21.0% | 24,763 | 17.8% |
| No Restraints Used | 85,669 | 45.5% | 111,885 | 64.9% | 116,299 | 72.0% | 119,670 | 79.0% | 114,686 | 82.2% |
| TOTAL | 188,420 | 100.0% | 172,277 | 100.0% | 161,513 | 100.0% | 151,421 | 100.0% | 139,449 | 100.0% |

| TYPES OF RESTRAINTS USED By Severity of Injury | | | | | | | | | | | | |
|---|----------------|---------------|------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Type | Number Used | | Deaths | | Disabling Inj | | Evident Inj | | Possible Inj | | No Injury | |
| | Number | % | Number | % | Number | % | Number | % | Number | % | Number | % |
| Lap Belt | 26,261 | 13.9% | 17 | 3.6% | 423 | 8.0% | 2,033 | 10.9% | 2,802 | 12.4% | 20,986 | 14.9% |
| Shoulder Belt | 4,608 | 2.4% | 0 | 0.0% | 61 | 1.2% | 292 | 1.6% | 515 | 2.3% | 3,740 | 2.6% |
| Lap & Shoulder Belt | 69,346 | 36.8% | 43 | 9.0% | 1,084 | 20.4% | 4,673 | 25.1% | 8,937 | 39.4% | 54,609 | 38.6% |
| Child Restraint | 2,506 | 1.3% | 1 | 0.2% | 15 | 0.3% | 142 | 0.8% | 138 | 0.6% | 2,210 | 1.6% |
| Air Bag (Activated) | 18 | 0.0% | 1 | 0.2% | 0 | 0.0% | 1 | 0.0% | 2 | 0.0% | 14 | 0.0% |
| No Restraints | 85,651 | 45.5% | 414 | 87.0% | 3,719 | 70.1% | 11,484 | 61.7% | 10,289 | 45.4% | 59,745 | 42.3% |
| TOTAL OCCUPANTS | 188,390 | 100.0% | 476 | 100.0% | 5,302 | 100.0% | 18,625 | 100.0% | 22,683 | 100.0% | 141,304 | 100.0% |

*Less than 1/10 of 1 percent

| RESTRAINT USAGE & INJURIES SUSTAINED* By Type | | | | | | | | |
|--|-----------------|---------------|-------------------|---------------|---------------|---------------|-----------------|---------------|
| Type | Restraints Used | | Child Restraints* | | No Restraints | | Total Occupants | |
| | Number | % | Number | % | Number | % | Number | % |
| Deaths | 62 | 0.1% | 1 | 0.0% | 414 | 0.5% | 476 | 0.3% |
| Disabling Injuries | 1,583 | 1.5% | 15 | 0.6% | 3,719 | 4.3% | 5,302 | 2.8% |
| Evident Injuries | 7,141 | 7.0% | 142 | 5.7% | 11,484 | 13.4% | 18,625 | 9.9% |
| Possible Injuries | 12,394 | 12.1% | 138 | 5.5% | 10,289 | 12.0% | 22,683 | 12.0% |
| No Injuries | 81,559 | 79.4% | 2,210 | 88.2% | 59,745 | 69.8% | 141,304 | 75.0% |
| TOTAL | 102,739 | 100.0% | 2,506 | 100.0% | 85,651 | 100.0% | 188,390 | 100.0% |

*Excludes cases where injury severity was not stated or where restraint use was unknown.

**Included with Restraints Used Category.

| USAGE RATES BY SEX* | | | | | |
|----------------------|-------------------------|------|------|------|------|
| Five Year Comparison | | | | | |
| Occupant | Percent Used Restraints | | | | |
| | 1986 | 1985 | 1984 | 1983 | 1982 |
| Male Driver | 54.0 | 34.3 | 27.3 | 22.0 | 19.1 |
| Female Driver | 59.6 | 38.8 | 31.4 | 23.6 | 20.0 |
| Male Passenger | 46.7 | 29.4 | 26.4 | 14.8 | 11.2 |
| Female Passenger | 55.0 | 36.0 | 28.4 | 18.9 | 15.3 |

*Excludes occupants where restraint use was unknown

| USAGE RATES BY AGE* | | | | | |
|----------------------|-------------------------|------|------|------|------|
| Five Year Comparison | | | | | |
| Occupant | Percent Used Restraints | | | | |
| | 1986 | 1985 | 1984 | 1983 | 1982 |
| Age 0-5 | 81.0 | 73.1 | 66.8 | 42.3 | 32.2 |
| Age 6-15 | 51.5 | 31.3 | 24.9 | 14.8 | 11.5 |
| Age 16-19 | 44.2 | 25.4 | 19.6 | 14.0 | 11.5 |
| Age 20-24 | 47.5 | 28.5 | 22.0 | 16.3 | 14.3 |
| Age 25-34 | 55.3 | 36.6 | 29.5 | 23.0 | 19.6 |
| Age 35-64 | 60.6 | 39.7 | 32.0 | 23.3 | 22.2 |
| Age 65 & Up | 58.2 | 34.7 | 27.6 | 21.4 | 18.3 |

*Excludes occupants where restraint use was unknown

PEDESTRIANS KILLED & INJURED IN VEHICLE COLLISIONS
Five Year Comparison

| Severity by Area | Years | | | | | Previous 4 Year Average | % of Change 86 - 4 Year Average |
|---------------------|-------|-------|-------|-------|-------|-------------------------------|---------------------------------------|
| | 1986 | 1985 | 1984 | 1983 | 1982 | | |
| Statewide | | | | | | | |
| Pedestrians Killed | 94 | 89 | 97 | 89 | 101 | 94 | 0.00% |
| Pedestrians Injured | 1,843 | 1,763 | 1,710 | 1,701 | 1,705 | 1,720 | 7.17% |
| Rural Areas | | | | | | | |
| Pedestrians Killed | 52 | 45 | 51 | 44 | 55 | 49 | 6.67% |
| Pedestrians Injured | 468 | 483 | 449 | 471 | 496 | 475 | -1.42% |
| Urban Areas* | | | | | | | |
| Pedestrians Killed | 42 | 44 | 46 | 45 | 46 | 45 | -7.18% |
| Pedestrians Injured | 1,375 | 1,280 | 1,261 | 1,230 | 1,209 | 1,245 | 10.44% |

* 2,500 population and greater

ACTIONS OF PEDESTRIANS KILLED & INJURED
Urban & Rural Areas

| Action | Killed | | Killed/Injured | | Age | | | | | Number Not Stated |
|--|-----------|---------------|----------------|---------------|-------------|--------------|--------------|--------------|--------------|-------------------------|
| | Number | % | Number | % | 0-4 | 5-14 | 15-24 | 25-64 | 65+ | |
| Urban: | | | | | | | | | | |
| Crossing, entering roadway at intersection | 17 | 40.5% | 739 | 51.9% | 17 | 126 | 125 | 325 | 115 | 31 |
| Not at intersection | 17 | 40.5% | 421 | 29.6% | 37 | 150 | 76 | 115 | 31 | 12 |
| Walking with traffic | 2 | 4.8% | 29 | 2.0% | 0 | 2 | 9 | 17 | 1 | 0 |
| Walking against traffic | 0 | 0.0% | 9 | 0.6% | 0 | 2 | 1 | 5 | 0 | 1 |
| Standing or working in roadway | 0 | 0.0% | 53 | 3.7% | 0 | 0 | 8 | 41 | 0 | 4 |
| Playing in roadway | 0 | 0.0% | 20 | 1.4% | 4 | 8 | 5 | 2 | 0 | 1 |
| Lying in roadway | 3 | 7.1% | 10 | 0.7% | 0 | 1 | 2 | 6 | 1 | 0 |
| Not in roadway | 2 | 4.8% | 90 | 6.3% | 1 | 10 | 28 | 40 | 8 | 3 |
| Other & Not Stated | 1 | 2.4% | 52 | 3.7% | 3 | 8 | 9 | 25 | 5 | 2 |
| TOTAL URBAN | 42 | 100.0% | 1,423 | 100.0% | 62 | 307 | 263 | 576 | 161 | 54 |
| % of Total Killed or Injured | | | | | 4.4% | 21.6% | 18.5% | 40.5% | 11.3% | 3.8% |
| Rural: | | | | | | | | | | |
| Crossing, entering roadway at intersection | 3 | 5.8% | 95 | 18.2% | 4 | 28 | 24 | 26 | 11 | 2 |
| Not at intersection | 17 | 32.7% | 177 | 34.0% | 12 | 70 | 36 | 38 | 14 | 7 |
| Walking with traffic | 4 | 7.7% | 38 | 7.3% | 0 | 5 | 15 | 15 | 1 | 2 |
| Walking against traffic | 5 | 9.6% | 19 | 3.6% | 0 | 1 | 7 | 7 | 4 | 0 |
| Standing or working in roadway | 8 | 15.4% | 54 | 10.4% | 0 | 1 | 18 | 27 | 2 | 6 |
| Playing in roadway | 0 | 0.0% | 14 | 2.7% | 1 | 10 | 2 | 1 | 0 | 0 |
| Lying in roadway | 2 | 3.8% | 5 | 1.0% | 0 | 0 | 2 | 3 | 0 | 0 |
| Not in roadway | 9 | 17.3% | 81 | 15.5% | 1 | 12 | 23 | 41 | 2 | 2 |
| Other & Not Stated | 4 | 7.7% | 38 | 7.3% | 1 | 9 | 10 | 14 | 3 | 1 |
| TOTAL RURAL | 52 | 100.0% | 521 | 100.0% | 19 | 136 | 137 | 172 | 37 | 20 |
| % of Total Killed or Injured | | | | | 3.6% | 26.1% | 26.3% | 33.0% | 7.1% | 3.8% |

