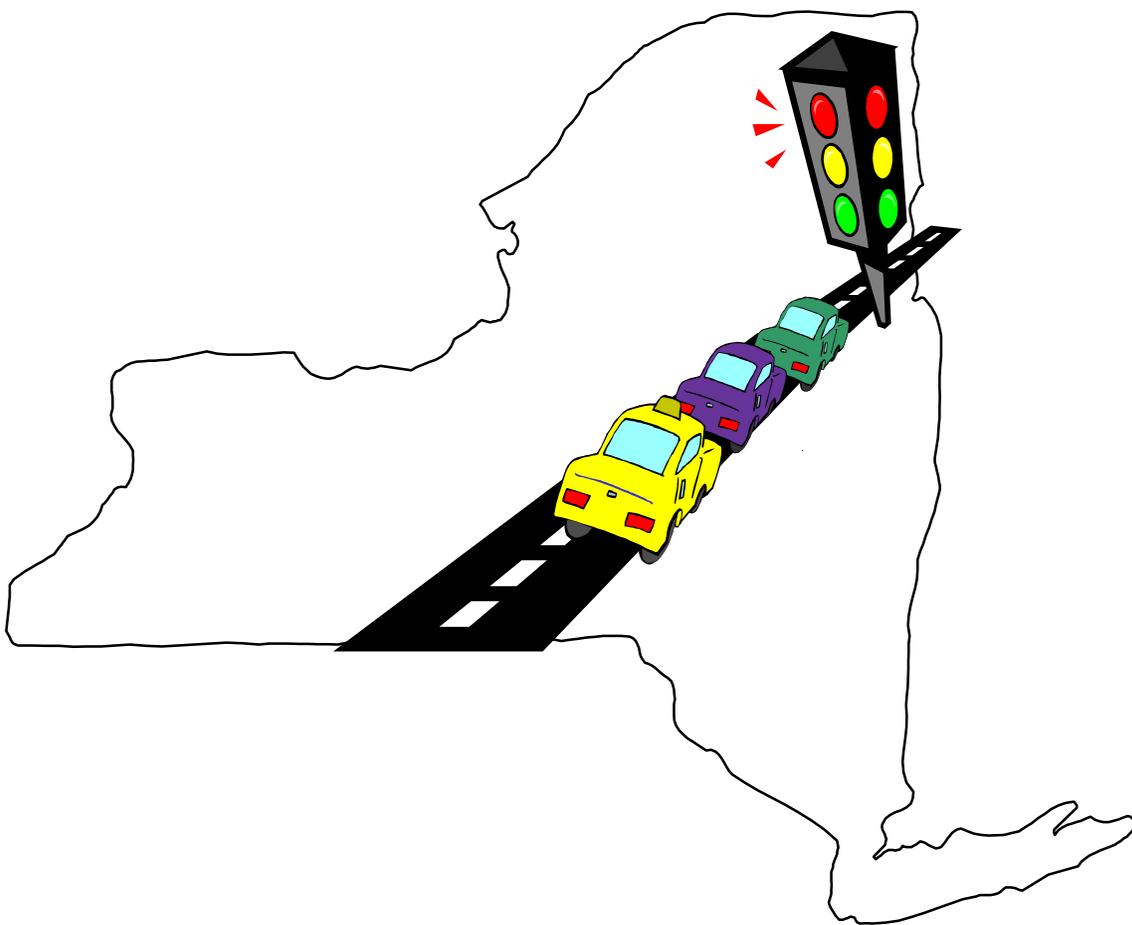


CORTLAND COUNTY

TRAFFIC SAFETY DATA



Prepared by

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COUNTY TRAFFIC SAFETY DATA

This document provides various crash and ticket data for the county. Ticket data are presented for the years 1999-2002. Since 2001 is the most recent year for which crash data are available, the crash data provided cover the years 1998-2001. Caution is advised in interpreting the data in cases where the numbers are very small. For assistance in using the data in this document or to request additional information, please contact

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Chenango
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Genesee
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Tioga
Tompkins
Wyoming

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CORTLAND COUNTY

CRASH DATA

| | 1998 | % | 1999 | % | 2000 | % | 2001 | % |
|--------------------------------------|----------------|------|----------------|------|----------------|------|----------------|------|
| TOTAL CRASHES* (events) | 1,130 * | | 1,300 * | | 1,326 * | | 1,061 * | |
| Fatal | 7 | 0.6 | 8 | 0.6 | 3 | 0.2 | 6 | 0.6 |
| Personal Injury | 392 | 34.7 | 412 | 31.7 | 384 | 29.0 | 378 | 35.6 |
| Property Damage* | 731 * | 64.7 | 880 * | 67.7 | 939 * | 70.8 | 677 * | 63.8 |
| SELECTED CRASH TYPES (events) | | | | | | | | |
| Pedestrian crashes | 12 | 1.1 | 15 | 1.2 | 14 | 1.1 | 22 | 2.1 |
| Bicycle crashes | 12 | 1.1 | 10 | 0.8 | 5 | 0.4 | 4 | 0.4 |
| Motorcycle crashes | 8 | 0.7 | 15 | 1.2 | 13 | 1.0 | 20 | 1.9 |
| TOTAL FATALITIES (persons) | 7 | | 8 | | 3 | | 7 | |
| Drivers | 5 | 71.4 | 6 | 75.0 | 2 | 66.7 | 6 | 85.7 |
| Passengers | 1 | 14.3 | 2 | 25.0 | 1 | 33.3 | 1 | 14.3 |
| Pedestrians | 1 | 14.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Bicyclists | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| TOTAL INJURIES** (persons) | 582 | | 577 | | 539 | | 495 | |
| Drivers | 373 | 64.1 | 371 | 64.3 | 349 | 64.7 | 315 | 63.6 |
| Passengers | 185 | 31.8 | 180 | 31.2 | 169 | 31.4 | 155 | 31.3 |
| Pedestrians | 12 | 2.1 | 17 | 2.9 | 17 | 3.2 | 21 | 4.2 |
| Bicyclists | 12 | 2.1 | 9 | 1.6 | 4 | 0.7 | 4 | 0.8 |

* Prior to October 1997, by law the DMV could not record property damage crashes on its file unless at least one motorist involved in the crash submitted a report, even if a police accident report was filed. The most direct impact of this change in criteria was a large increase in the number of property damage only crashes; the effect is also reflected in the total number of crashes and the total number of occupants involved in crashes.

** Police-reported crashes only.

Note: Totals may not equal the sum of the parts due to missing data.

Source: 1998-2000 NYSDMV county MV-144A, Table 1, and special county MV-144A on motorcycle crashes, Table 1.
2001 NYSDMV AIS Data Base.

CORTLAND COUNTY
CRASH AND FATALITY & INJURY RATES

| | 1998 | 1999 | 2000 | 2001 |
|--|--------|--------|--------|--------|
| CRASH RATES | | | | |
| Crash Rate per 10,000 Population | 235.40 | 270.80 | 272.85 | 218.93 |
| Crash Rate per 10,000 Licensed Drivers | 356.83 | 412.78 | 412.85 | 327.79 |
| FATALITY & INJURY RATES | | | | |
| Fatality & Injury Rate per 10,000 Population | 123.53 | 124.36 | 112.97 | 104.41 |
| Fatality & Injury Rate per 10,000 Licensed Drivers | 187.26 | 189.56 | 170.93 | 156.33 |
| MEAN SEVERITY OF INJURY (MSI) | 1.450 | 1.424 | 1.376 | 1.389 |

Source: NYSDMV county 144As, Table 1, Table 2, and Table 19.
 NYSDMV driver's license file.
 U.S. Census Bureau Redistricting Data.

CORTLAND COUNTY

SELECTED CONTRIBUTING FACTORS IN CRASHES*

| | 1998 | % | 1999 | % | 2000 | % | 2001 | % |
|----------------------------------|--------------|------|--------------|------|--------------|------|--------------|------|
| Total Crashes | 1,081 | | 1,239 | | 1,260 | | 1,026 | |
| Alcohol involvement | 40 | 3.7 | 52 | 4.2 | 46 | 3.7 | 29 | 2.8 |
| Unsafe speed | 143 | 13.2 | 230 | 18.6 | 270 | 21.4 | 189 | 18.4 |
| Driver inattention/distraction** | 121 | 11.2 | 132 | 10.7 | 121 | 9.6 | 124 | 12.1 |
| Failure to yield right-of-way | 148 | 13.7 | 165 | 13.3 | 155 | 12.3 | 127 | 12.4 |
| Following too closely | 149 | 13.8 | 150 | 12.1 | 157 | 12.5 | 114 | 11.1 |
| Improper passing/lane usage | 53 | 4.9 | 58 | 4.7 | 53 | 4.2 | 43 | 4.2 |
| Traffic control disregarded | 33 | 3.1 | 42 | 3.4 | 28 | 2.2 | 37 | 3.6 |
| Unsafe lane changing | 23 | 2.1 | 30 | 2.4 | 28 | 2.2 | 27 | 2.6 |

* Police-reported crashes only.

** Driver distraction was added to Police Accident Report Form MV-104, effective 7/01. Because older versions may continue to be used, driver distraction is underreported.

Note: Not all crashes have a contributing factor reported, and many crashes have multiple factors reported.

Source: 1998-2000 NYSDMV county MV-144A, Table 13(P).
2001 NYSDMV AIS Data Base.

CORTLAND COUNTY

REPORTED SAFETY RESTRAINT USE IN CRASHES*

| | 1998 | | 1999 | | 2000 | | 2001 | |
|---------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | All Occupants % | K&A Occupants % |
| | 2,658 | 52 | 2,961 | 58 | 2,803 | 37 | 2,294 | 30 |
| No restraint used | 6.2 | 51.9 | 4.7 | 43.1 | 4.3 | 21.6 | 3.7 | 13.3 |
| Restraint used | 87.9 | 42.3 | 87.8 | 48.3 | 94.5 | 81.1 | 90.8 | 80.0 |
| Restraint use unspecified | 5.9 | 5.8 | 7.4 | 8.6 | 1.1 | 0.0 | 5.5 | 6.7 |

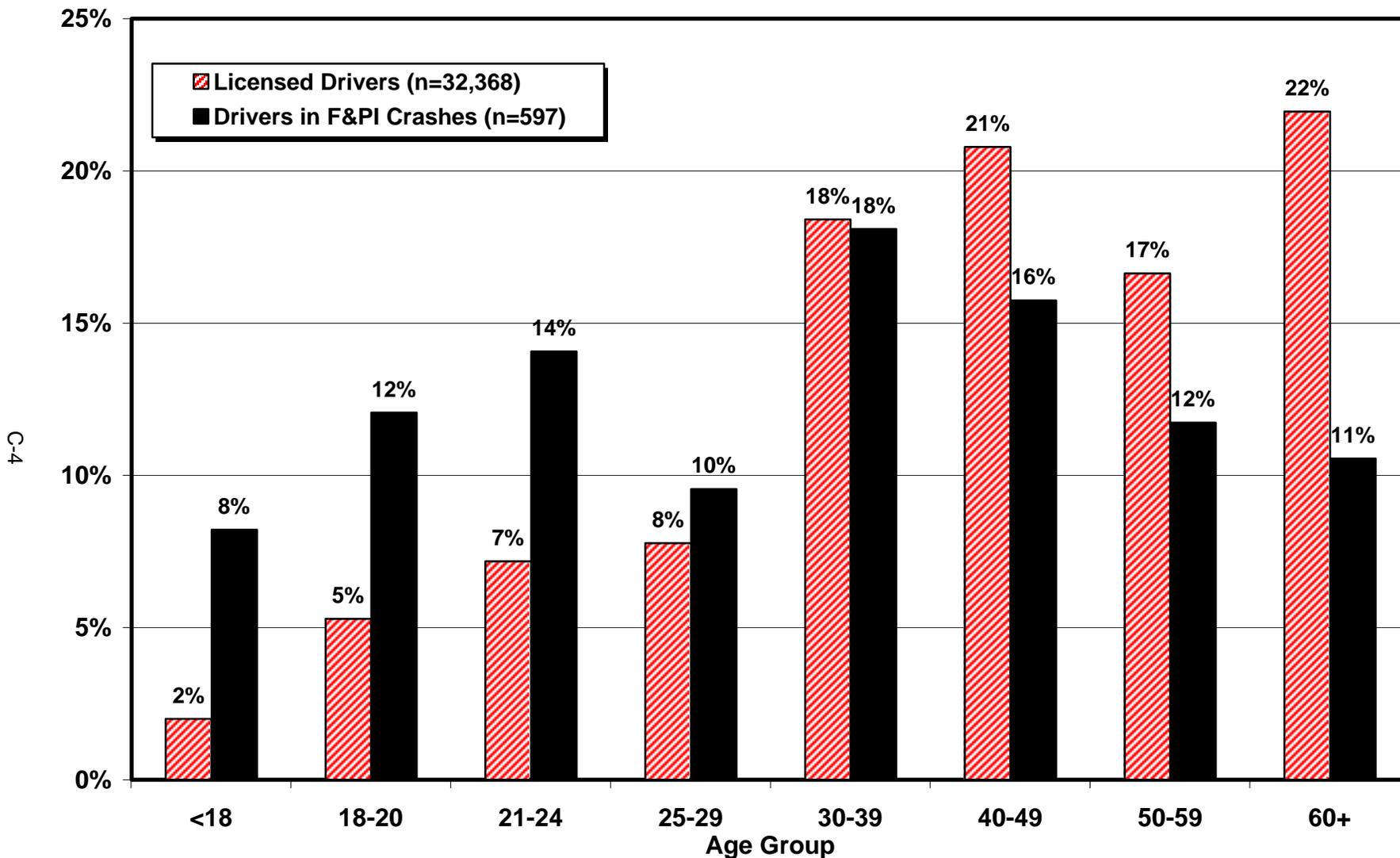
* Police-reported crashes only.

Note: "K and A" denote occupants killed or seriously injured in a crash.

Source: 1998-2000 NYSDMV county MV-144A, Table 29(P).
2001 NYSDMV AIS Data Base.

Cortland County 2001

Licensed Drivers and Drivers Involved in Fatal and Personal Injury Crashes by Age Group



Note: In interpreting these data, any age group with a greater percentage of drivers involved in fatal and personal injury crashes than licensed drivers indicates that the drivers in that age group are overrepresented in fatal and personal injury crashes.

Source: NYSDMV driver's license file and NYSDMV AIS Data Base.

Cortland County 2001

Pedestrians and Bicyclists Killed or Injured by Age Group

| Age Group | Pedestrians | Bicyclists |
|------------------|--------------------|-------------------|
| 0 - 4 | 0 | 0 |
| 5 - 9 | 0 | 0 |
| 10 - 14 | 1 | 1 |
| 15 - 19 | 4 | 1 |
| 20 - 24 | 3 | 0 |
| 25 - 34 | 5 | 0 |
| 35 - 44 | 3 | 0 |
| 45 - 54 | 4 | 2 |
| 55 - 64 | 0 | 0 |
| 65+ | 1 | 0 |
| Total | 21 | 4 |

Source: NYSDMV AIS Data Base.

CORTLAND COUNTY
ALCOHOL-RELATED CRASH DATA*

| | 1998 | 1999 | 2000 | 2001 |
|---|--------------|--------------|--------------|--------------|
| TOTAL CRASHES (events) | 1,081 | 1,239 | 1,260 | 1,026 |
| Alcohol-related crashes | 40 | 52 | 47 | 29 |
| % of total crashes | 3.7 | 4.2 | 3.7 | 2.8 |
| FATAL CRASHES (events) | 7 | 8 | 3 | 6 |
| Alcohol-related fatal crashes | 2 | 2 | 2 | 0 |
| % of fatal crashes | 28.6 | 25.0 | 66.7 | 0.0 |
| PERSONAL INJURY CRASHES (events) | 388 | 401 | 378 | 374 |
| Alcohol-related injury crashes | 25 | 34 | 24 | 20 |
| % of injury crashes | 6.4 | 8.5 | 6.3 | 5.3 |
| TOTAL FATALITIES (persons) | 7 | 8 | 3 | 7 |
| Alcohol-related fatalities | 2 | 2 | 2 | 0 |
| % of total fatalities | 28.6 | 25.0 | 66.7 | 0.0 |
| TOTAL INJURIES (persons) | 582 | 577 | 539 | 495 |
| Alcohol-related injuries | 36 | 56 | 37 | 25 |
| % of total injuries | 6.2 | 9.7 | 6.9 | 5.1 |

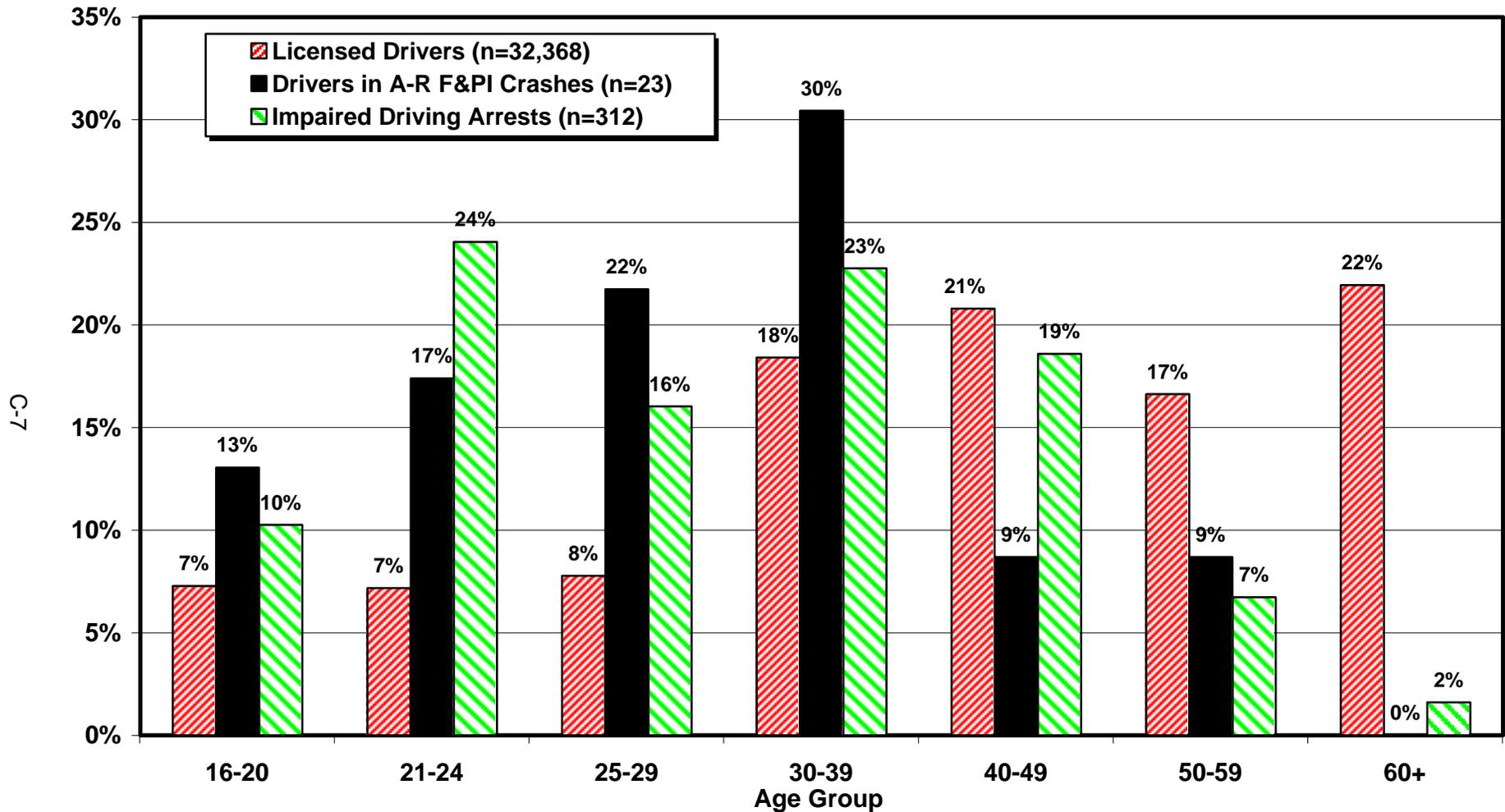
* Police-reported crashes only.

Note: Data presented in Table C-1 include all reportable crashes.

Source: 1998-2000 NYSDMV county MV-144A, Table 1 and the DMV Office of Data Processing.
2001 NYSDMV AIS Data Base.

Cortland County 2001

Licensed Drivers, Drivers Involved in Alcohol-Related Fatal and Personal Injury Crashes, and Drivers Arrested for Impaired Driving by Age Group



Note: In interpreting these data, any age group with a greater percentage of drivers involved in alcohol-related fatal and personal injury crashes than licensed drivers indicates that this age group is overrepresented in these crashes. Similarly, any age group with a greater percentage of drivers arrested for impaired driving than licensed drivers indicates that this age group is overrepresented in impaired driving arrests.

Source: NYSDMV driver's license file, AIS Data Base, and TSLE&D ticket system. Arrest data compiled by ITSMR.

CORTLAND COUNTY

TSLE&D TICKETS ISSUED AND CONVICTION RATES FOR SELECTED V&T VIOLATIONS

| VIOLATION | 1999 | 2000 | 2001 | 2002 |
|---|---------------|---------------|---------------|---------------|
| SPEED (V&T 1180) | 6,603 | 5,477 | 5,557 | 6,178 |
| % of total tickets | 35.7 | 31.0 | 34.0 | 34.8 |
| % convicted on same charge | 64.0 | 67.0 | 63.8 | 57.6 |
| SAFETY RESTRAINTS (V&T 1229c) | 2,513 | 3,040 | 2,240 | 2,354 |
| % of total tickets | 13.6 | 17.2 | 13.7 | 13.2 |
| % convicted on same charge | 84.8 | 86.0 | 85.7 | 81.4 |
| IMPAIRED DRIVING (V&T 1192) | 430 | 438 | 370 | 488 |
| % of total tickets | 2.3 | 2.5 | 2.3 | 2.7 |
| PERSONS ARRESTED* | 393 | 362 | 312 | 393 |
| % arrested as result of patrol activity** | 76.8 | 77.5 | 75.3 | 75.6 |
| % arrested as result of crash | 13.7 | 15.8 | 14.4 | 16.5 |
| % arrested as result of <i>other means</i> *** | 9.4 | 6.7 | 10.3 | 7.9 |
| TOTAL TICKETS FOR ALL V&T VIOLATIONS | 18,481 | 17,675 | 16,349 | 17,777 |

* The number of persons arrested is less than the number of tickets issued as some agencies issue separate tickets for 1192.2 and 1192.3, while others issue a combined 1192.23.

** Includes patrol, radar, road checks

*** Includes scales, plane, VASCAR

Source: NYS DMV TSLE&D ticket system.

CORTLAND COUNTY

Adjudication Status of Impaired Driving Cases & Conviction Rates TSLE&D Agencies

| | 1999 | 2000 | 2001 | 2002 |
|--|----------------|----------------|----------------|----------------|
| Persons Arrested | (N=393) | (N=362) | (N=312) | (N=393) |
| Case adjudicated | 99.5% | 95.9% | 89.1% | 96.9% |
| Case pending | 0.5% | 4.1% | 10.9% | 3.1% |
| Disposition of Adjudicated Cases* | (N=391) | (N=347) | (N=278) | (N=381) |
| Convicted on Alcohol Charge | 94.1% | 91.7% | 94.6% | 92.4% |
| Convicted on original alcohol charge | 30.4% | 25.4% | 21.9% | 21.8% |
| Convicted on reduced alcohol charge | 60.9% | 63.4% | 70.5% | 68.0% |
| Convicted on other alcohol charge | 2.8% | 2.9% | 2.2% | 2.6% |
| Convicted on Non-Alcohol Charge | 0.8% | 2.0% | 1.4% | 1.8% |
| Dismissed/Acquitted/Convicted on charge associated with different event | 5.1% | 6.3% | 4.0% | 5.8% |
| * Since some drivers are charged with more than one alcohol offense during a single traffic stop, this includes drivers who have had at least one offense adjudicated. | | | | |

Source: Compiled by Institute for Traffic Safety Management and Research with data obtained from TSLE&D.

CORTLAND COUNTY

DWI/AI Probation Data

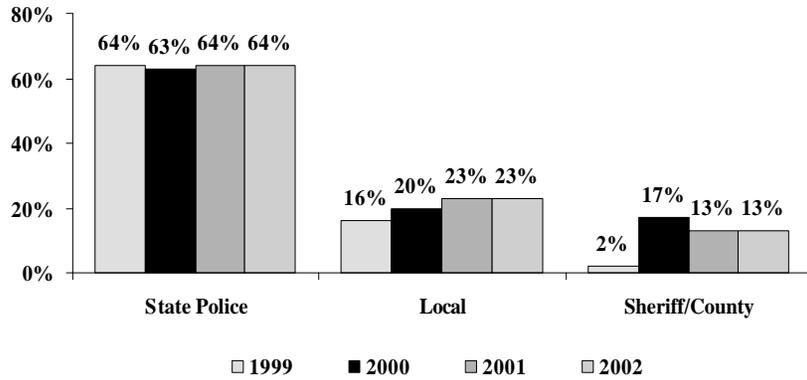
| | 1999 | 2000 | 2001 | 2002 |
|---|------|------|------|------|
| Number of Persons Sentenced to Probation | 67 | 63 | 51 | 50 |
| Number of Persons on Probation* | 186 | 175 | 189 | 156 |

* It should be noted that since the manner in which active probation cases were identified was adjusted in 2002, caution is advised when comparing the 2002 data with the data from earlier years.

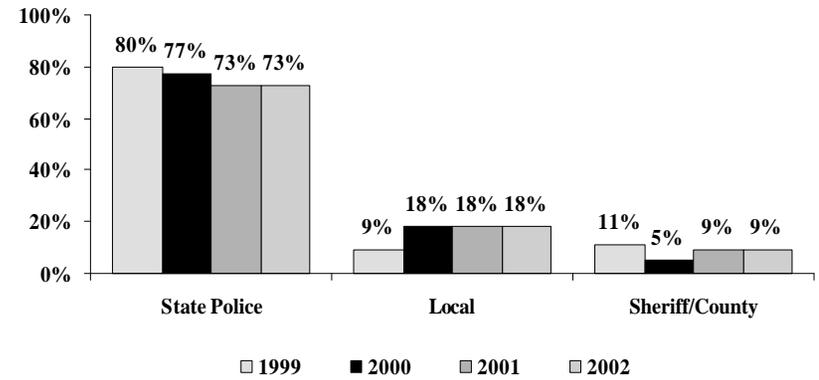
Source: NYS Division of Probation and Correctional Alternatives.

Cortland County V&T Tickets Issued by TSLE&D Agencies By Agency Type

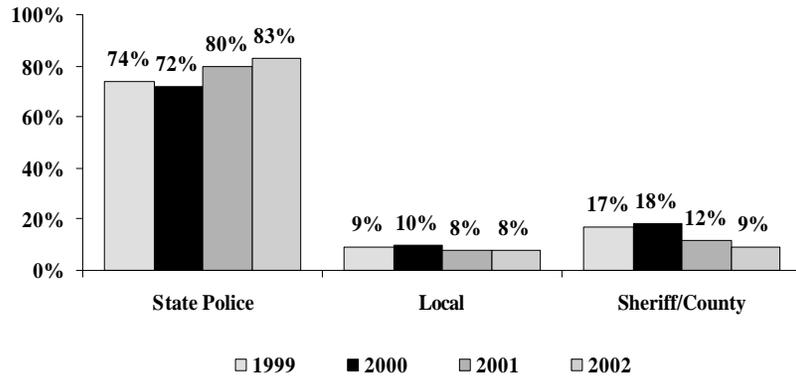
All Tickets



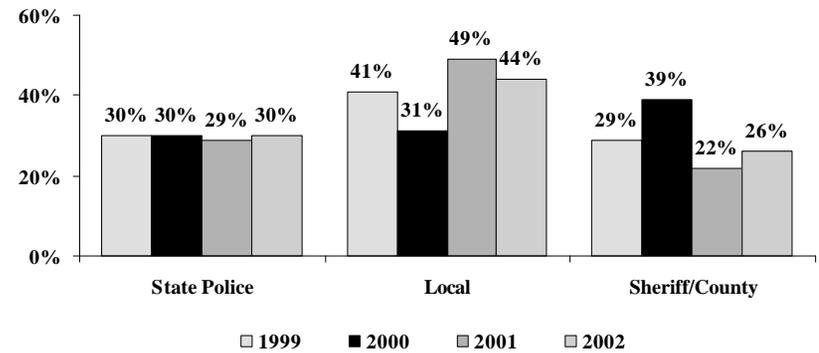
Seat Belt Tickets



Speed Tickets



Persons Ticketed for Impaired Driving



CORTLAND COUNTY

TSLE&D Tickets Issued for Selected Violations by Enforcement Agency

| Enforcement Agency | | 1999 | | | 2000 | | | 2001 | | | 2002 | | |
|--------------------------------------|----------|--------------|----------------|----------------|--------------|----------------|----------------|--------------|----------------|----------------|--------------|----------------|----------------|
| | | # | % of Shf/Local | % of Co. Total | # | % of Shf/Local | % of Co. Total | # | % of Shf/Local | % of Co. Total | # | % of Shf/Local | % of Co. Total |
| Cortland Sheriff NCIC 01100 | alcohol | 143 | 46.1 | 33.3 | 171 | 56.1 | 39.0 | 109 | 39.8 | 29.5 | 164 | 44.9 | 33.6 |
| | speed | 1,130 | 65.9 | 17.1 | 994 | 63.6 | 18.2 | 634 | 58.1 | 11.4 | 543 | 51.3 | 8.8 |
| | seatbelt | 273 | 55.9 | 10.9 | 149 | 21.1 | 4.9 | 207 | 34.8 | 9.2 | 223 | 34.7 | 9.5 |
| Cortland City P.D. NCIC 01101 | alcohol | 131 | 42.3 | 30.5 | 89 | 29.2 | 20.3 | 126 | 46.0 | 34.1 | 169 | 46.3 | 34.6 |
| | speed | 296 | 17.3 | 4.5 | 330 | 21.1 | 6.0 | 327 | 29.9 | 5.9 | 358 | 33.8 | 5.8 |
| | seatbelt | 87 | 17.8 | 3.5 | 302 | 42.8 | 9.9 | 244 | 41.0 | 10.9 | 280 | 43.6 | 11.9 |
| SUNY Cortland NCIC 01104 | alcohol | 6 | 1.9 | 1.4 | 8 | 2.6 | 1.8 | 6 | 2.2 | 1.6 | 14 | 3.8 | 2.9 |
| | speed | 2 | 0.1 | <0.1 | 7 | 0.4 | 0.1 | 0 | 0.0 | 0.0 | 15 | 1.4 | 0.2 |
| | seatbelt | 9 | 1.8 | 0.4 | 56 | 7.9 | 1.8 | 57 | 9.6 | 2.5 | 54 | 8.4 | 2.3 |
| Homer P.D. NCIC 01120 | alcohol | 30 | 9.7 | 7.0 | 37 | 12.1 | 8.4 | 33 | 12.0 | 8.9 | 17 | 4.7 | 3.5 |
| | speed | 265 | 15.5 | 4.0 | 204 | 13.0 | 3.7 | 115 | 10.5 | 2.1 | 119 | 11.2 | 1.9 |
| | seatbelt | 103 | 21.1 | 4.1 | 178 | 25.2 | 5.8 | 68 | 11.4 | 3.0 | 74 | 11.5 | 3.1 |
| Village of McGraw P.D. NCIC 01121 | alcohol | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 1 | 0.3 | 0.2 |
| | speed | 22 | 1.3 | 0.3 | 29 | 1.9 | 0.5 | 16 | 1.5 | 0.3 | 24 | 2.3 | 0.4 |
| | seatbelt | 16 | 3.3 | 0.6 | 20 | 2.8 | 0.7 | 19 | 3.2 | 0.8 | 11 | 1.7 | 0.5 |
| Totals by Agency Type | | | | | | | | | | | | | |
| Sheriff and Local | alcohol | 310 | | 72.1 | 305 | | 69.6 | 274 | | 74.3 | 365 | | 74.8 |
| | speed | 1,715 | | 26.0 | 1,564 | | 28.6 | 1,092 | | 19.7 | 1,059 | | 17.1 |
| | seatbelt | 488 | | 19.4 | 705 | | 23.1 | 595 | | 26.6 | 642 | | 27.3 |
| State Police | alcohol | 120 | | 27.9 | 133 | | 30.4 | 95 | | 25.7 | 123 | | 25.2 |
| | speed | 4,890 | | 74.0 | 3,905 | | 71.4 | 4,461 | | 80.3 | 5,115 | | 82.8 |
| | seatbelt | 2,025 | | 80.6 | 2,346 | | 76.9 | 1,644 | | 73.4 | 1,711 | | 72.7 |
| Other incl. Park Police | alcohol | 0 | | 0.0 | 0 | | 0.0 | 0 | | 0.0 | 0 | | 0.0 |
| | speed | 0 | | 0.0 | 1 | | <0.1 | 1 | | <0.1 | 4 | | 0.1 |
| | seatbelt | 0 | | 0.0 | 0 | | 0.0 | 0 | | 0.0 | 1 | | <0.1 |
| County Totals | | | | | | | | | | | | | |
| | alcohol | 430 | | | 438 | | | 369 | | | 488 | | |
| | speed | 6,605 | | | 5,470 | | | 5,554 | | | 6,178 | | |
| | seatbelt | 2,513 | | | 3,051 | | | 2,239 | | | 2,354 | | |

Source: NYSDMV