

New York State Department of Motor Vehicles

Summary of Bicycle/Motor Vehicle Accidents

2009

| TABLE 1 Bicycle/Motor Vehicle Accidents | | |
|---|----------------------|------------------------|
| Category Totals | All Accidents | Police Reported |
| Total Accidents | 5,620 | 5,444 |
| Fatal Accidents | 29 | 29 |
| Non-Fatal Personal Injury Accidents | 5,550 | 5,384 |
| Reportable Property Damage Accidents | 41 | 31 |
| Vehicles | 5,727 | 5,544 |
| Drivers Involved | 5,484 | 5,311 |
| Vehicle Occupants | 7,245 | 7,056 |
| Special Bicycle Accident Series | | |
| Bicycle/Pedestrian/Motor Vehicle Accidents | 9 | 9 |
| Bicycle/Motorcycle Accidents | 28 | 26 |
| Fatalities | | |
| Persons Killed (1) | 30 | 30 |
| Drivers Killed | 1 | 1 |
| Passengers Killed | 0 | 0 |
| Pedestrians Killed | 0 | 0 |
| Bicyclists Killed | 29 | 29 |
| Other | 0 | 0 |
| Non-Fatal Injuries | | |
| Persons Injured (1) | 5,560 | 5,388 |
| Drivers Injured | 94 | 88 |
| Passengers Injured | 49 | 48 |
| Pedestrians Injured | 10 | 10 |
| Bicyclists Injured | 5,405 | 5,240 |
| Other | 2 | 2 |
| <small>(1) Includes pedestrians, bicyclists and all other non-vehicle involved persons as well as vehicle occupants regardless of seating position.</small> | | |

| TABLE 2(P) Severity of Accident | | |
|--|---------------|----------------|
| | Number | Percent |
| Total | 5,444 | 100.0 |
| Fatal (K) Accidents | 29 | 0.5 |
| Personal Injury Accidents | | |
| Serious (A) | 597 | 11.0 |
| Moderate (B) | 1,685 | 31.0 |
| Minor (C) | 2,826 | 51.9 |
| Unknown Severity | 276 | 5.1 |
| Property Damage (O) Accidents | 31 | 0.6 |

General Notes

- * Some of the tables are based upon information received from police and motorist reports of motor vehicle accidents. Others are based only on the police reports; these are indicated by a (P).
- * The Property Damage Accident reporting level is \$1,000 or more.
- * The term "vehicle" always excludes bicycles.
- * The term "driver" always excludes bicyclists.
- * Percentages may not total 100.0 due to rounding.

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| TABLE 3 Day of Week/Time of Day | | | | | | | | | | |
|--|----------------------------|--------------------|----------------|----------------|-----------------|-----------------|----------------|----------------|----------------|----------------|
| Day of Week | Total Accidents | Time of Day | | | | | | | | |
| | | Mid-3am | 3am-6am | 6am-9am | 9am-Noon | Noon-3pm | 3pm-6pm | 6pm-9pm | 9pm-Mid | Unknown |
| Total | 5,620 | 126 | 77 | 345 | 684 | 1,026 | 1,515 | 1,243 | 567 | 37 |
| Sunday | | | | | | | | | | |
| Total | 640 | 30 | 20 | 22 | 78 | 124 | 161 | 139 | 61 | 5 |
| Fatal | 6 | 1 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 |
| Personal Injury | 633 | 29 | 20 | 21 | 78 | 122 | 159 | 138 | 61 | 5 |
| Property Damage | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Monday | | | | | | | | | | |
| Total | 848 | 10 | 5 | 68 | 99 | 156 | 247 | 181 | 76 | 6 |
| Fatal | 3 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| Personal Injury | 835 | 10 | 5 | 67 | 96 | 154 | 244 | 179 | 74 | 6 |
| Property Damage | 10 | 0 | 0 | 0 | 3 | 1 | 3 | 2 | 1 | 0 |
| Tuesday | | | | | | | | | | |
| Total | 846 | 12 | 9 | 56 | 120 | 151 | 221 | 196 | 76 | 5 |
| Fatal | 5 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 |
| Personal Injury | 836 | 12 | 9 | 55 | 118 | 148 | 218 | 195 | 76 | 5 |
| Property Damage | 5 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 0 |
| Wednesday | | | | | | | | | | |
| Total | 864 | 10 | 8 | 63 | 92 | 145 | 230 | 227 | 83 | 6 |
| Fatal | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| Personal Injury | 853 | 10 | 8 | 63 | 92 | 143 | 226 | 222 | 83 | 6 |
| Property Damage | 8 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 0 | 0 |
| Thursday | | | | | | | | | | |
| Total | 830 | 21 | 10 | 61 | 104 | 143 | 230 | 167 | 89 | 5 |
| Fatal | 5 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 2 | 0 |
| Personal Injury | 822 | 21 | 10 | 59 | 104 | 142 | 229 | 166 | 86 | 5 |
| Property Damage | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| Friday | | | | | | | | | | |
| Total | 855 | 14 | 11 | 50 | 89 | 155 | 248 | 195 | 90 | 3 |
| Fatal | 4 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 |
| Personal Injury | 844 | 14 | 11 | 49 | 89 | 152 | 244 | 193 | 89 | 3 |
| Property Damage | 7 | 0 | 0 | 0 | 0 | 3 | 3 | 1 | 0 | 0 |
| Saturday | | | | | | | | | | |
| Total | 737 | 29 | 14 | 25 | 102 | 152 | 178 | 138 | 92 | 7 |
| Fatal | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| Personal Injury | 727 | 29 | 14 | 24 | 100 | 152 | 176 | 135 | 90 | 7 |
| Property Damage | 7 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 1 | 0 |

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| TABLE 4(P) Police Investigating Agency | | | | | |
|---|------------------------|----------------|-----------------------------------|------------------------|------------------------|
| | Total Accidents | | Severity Class of Accident | | |
| | Number | Percent | Fatal | Personal Injury | Property Damage |
| Total | 5,444 | 100.0 | 29 | 5,384 | 31 |
| State Police | 115 | 2.1 | 2 | 112 | 1 |
| County Police | 868 | 15.9 | 8 | 855 | 5 |
| New York City Police (NYPD) | 2,804 | 51.5 | 12 | 2,787 | 5 |
| Municipal Police (non-NYC) | 1,657 | 30.4 | 7 | 1,630 | 20 |
| Unknown | 0 | 0.0 | 0 | 0 | 0 |

| TABLE 5 Jurisdictional Road System | | | | | |
|---|---|----------------|-----------------------------------|------------------------|------------------------|
| | Total Accidents | | Severity Class of Accident | | |
| | Number | Percent | Fatal | Personal Injury | Property Damage |
| Total | | | | | |
| State Routes | Data for this table are not available at this time. | | | | |
| County Routes | | | | | |
| Town Routes | | | | | |
| Municipal Streets | | | | | |
| Parkways | | | | | |
| Thruway | | | | | |
| Other Interstates | | | | | |
| Unknown | | | | | |

| TABLE 6 Manner of Collision | | | | | |
|------------------------------------|------------------------|----------------|-----------------------------------|------------------------|------------------------|
| | Total Accidents | | Severity Class of Accident | | |
| | Number | Percent | Fatal | Personal Injury | Property Damage |
| Total | 5,620 | 100.0 | 29 | 5,550 | 41 |
| Single Vehicle Accidents | 5,532 | 98.4 | 24 | 5,469 | 39 |
| Two Vehicle Accidents | 76 | 1.4 | 3 | 72 | 1 |
| 3 or More Vehicle Accidents | 12 | 0.2 | 2 | 9 | 1 |

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| TABLE 7(P) Accident Contributing Factors | | | | | |
|---|-----------------|--------------|----------------------------|-----------------|-----------------|
| | Total Accidents | | Severity Class of Accident | | |
| | Number | Percent | Fatal | Personal Injury | Property Damage |
| Total Accidents | 5,444 | 100.0 | 29 | 5,384 | 31 |
| Accidents With No Factor Reported | 1,577 | 29.0 | 6 | 1,567 | 4 |
| Accidents With One or More Factors Reported | 3,867 | 71.0 | 23 | 3,817 | 27 |
| Accidents With Human Factors | 3,686 | 67.7 | 20 | 3,639 | 27 |
| Aggressive Driving/Road Rage | 27 | 0.5 | 0 | 27 | 0 |
| Alcohol Involvement | 113 | 2.1 | 3 | 110 | 0 |
| Backing Unsafely | 46 | 0.8 | 0 | 45 | 1 |
| Cell Phone (hand held) | 7 | 0.1 | 0 | 7 | 0 |
| Cell Phone (hands free) | 0 | 0.0 | 0 | 0 | 0 |
| Driver Inattention/Distracted | 1,095 | 20.1 | 9 | 1,081 | 5 |
| Driver Inexperience | 83 | 1.5 | 0 | 83 | 0 |
| Drugs (Illegal) | 5 | 0.1 | 0 | 5 | 0 |
| Failure to Keep Right | 56 | 1.0 | 1 | 54 | 1 |
| Failure to Yield R.O.W. | 1,027 | 18.9 | 2 | 1,017 | 8 |
| Fatigued/Drowsy | 1 | <0.1 | 0 | 1 | 0 |
| Fell Asleep | 4 | 0.1 | 0 | 3 | 1 |
| Following Too Closely | 51 | 0.9 | 0 | 51 | 0 |
| Illness | 1 | <0.1 | 0 | 1 | 0 |
| Lost Consciousness | 3 | 0.1 | 0 | 3 | 0 |
| Other Electronic Device | 7 | 0.1 | 0 | 7 | 0 |
| Outside Car Distraction | 17 | 0.3 | 0 | 17 | 0 |
| Passenger Distraction | 33 | 0.6 | 0 | 33 | 0 |
| Passing or Lane Usage Improper | 220 | 4.0 | 1 | 214 | 5 |
| Pedestrian/Bicyclist/Other Ped Error/Confusion | 1,462 | 26.9 | 6 | 1,444 | 12 |
| Physical Disability | 4 | 0.1 | 0 | 4 | 0 |
| Prescription Medication | 2 | <0.1 | 0 | 2 | 0 |
| Reaction to Other Uninvolved Vehicle | 39 | 0.7 | 0 | 39 | 0 |
| Traffic Control Disregarded | 336 | 6.2 | 5 | 329 | 2 |
| Turning Improperly | 126 | 2.3 | 0 | 126 | 0 |
| Unsafe Lane Changing | 66 | 1.2 | 1 | 64 | 1 |
| Unsafe Speed | 120 | 2.2 | 1 | 117 | 2 |
| Other Human | 3 | 0.1 | 0 | 3 | 0 |
| Accidents With Vehicular Factors | 157 | 2.9 | 3 | 153 | 1 |
| Accelerator Defective | 0 | 0.0 | 0 | 0 | 0 |
| Brakes Defective | 46 | 0.8 | 0 | 46 | 0 |
| Driverless/Runaway Vehicle | 2 | <0.1 | 0 | 2 | 0 |
| Headlights Defective | 2 | <0.1 | 0 | 2 | 0 |
| Other Lighting Defects | 10 | 0.2 | 0 | 10 | 0 |
| Oversized Vehicle | 6 | 0.1 | 0 | 6 | 0 |
| Steering Failure | 1 | <0.1 | 0 | 1 | 0 |
| Tire Failure/Inadequate | 3 | 0.1 | 0 | 3 | 0 |
| Tow Hitch Defective | 1 | <0.1 | 0 | 1 | 0 |
| Windshield Inadequate | 0 | 0.0 | 0 | 0 | 0 |
| Other Vehicular | 87 | 1.6 | 3 | 83 | 1 |
| Accidents With Environmental Factors | 288 | 5.3 | 1 | 285 | 2 |
| Animal's Action | 4 | 0.1 | 0 | 4 | 0 |
| Glare | 46 | 0.8 | 1 | 45 | 0 |
| Lane Marking Improper/Inadequate | 0 | 0.0 | 0 | 0 | 0 |
| Obstruction/Debris | 15 | 0.3 | 0 | 14 | 1 |
| Pavement Defective | 4 | 0.1 | 0 | 4 | 0 |
| Pavement Slippery | 47 | 0.9 | 0 | 47 | 0 |
| Shoulders Defective/Improper | 1 | <0.1 | 0 | 1 | 0 |
| Traffic Control Device Improper/Non-Working | 2 | <0.1 | 0 | 2 | 0 |
| View Obstructed/Limited | 178 | 3.3 | 0 | 177 | 1 |
| Other Environmental | 0 | 0.0 | 0 | 0 | 0 |

Note: Many accidents have multiple factors reported.

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| TABLE 8 Driver Age and Gender | | | | | |
|--------------------------------------|----------------------|----------------|--|------------------------|------------------------|
| | Total Drivers | | Drivers by Severity of Accident | | |
| | Number | Percent | Fatal | Personal Injury | Property Damage |
| Total Drivers | 5,484 | 100.0 | 33 | 5,411 | 40 |
| Male | 3,229 | 58.9 | 24 | 3,183 | 22 |
| Under 16 | 0 | 0.0 | 0 | 0 | 0 |
| 16 - 17 | 28 | 0.5 | 0 | 28 | 0 |
| 18 - 20 | 127 | 2.3 | 2 | 124 | 1 |
| 21 - 24 | 216 | 3.9 | 2 | 210 | 4 |
| 25 - 29 | 300 | 5.5 | 3 | 295 | 2 |
| 30 - 34 | 294 | 5.4 | 4 | 288 | 2 |
| 35 - 39 | 322 | 5.9 | 2 | 317 | 3 |
| 40 - 44 | 354 | 6.5 | 1 | 353 | 0 |
| 45 - 49 | 358 | 6.5 | 3 | 354 | 1 |
| 50 - 54 | 372 | 6.8 | 3 | 368 | 1 |
| 55 - 59 | 296 | 5.4 | 1 | 293 | 2 |
| 60 - 64 | 206 | 3.8 | 2 | 204 | 0 |
| 65 - 69 | 129 | 2.4 | 1 | 128 | 0 |
| 70 - 74 | 80 | 1.5 | 0 | 78 | 2 |
| 75 - 79 | 73 | 1.3 | 0 | 71 | 2 |
| 80 and Over | 63 | 1.1 | 0 | 62 | 1 |
| Unknown Age | 11 | 0.2 | 0 | 10 | 1 |
| Female | 1,586 | 28.9 | 7 | 1,564 | 15 |
| Under 16 | 0 | 0.0 | 0 | 0 | 0 |
| 16 - 17 | 28 | 0.5 | 0 | 28 | 0 |
| 18 - 20 | 98 | 1.8 | 0 | 97 | 1 |
| 21 - 24 | 137 | 2.5 | 2 | 134 | 1 |
| 25 - 29 | 163 | 3.0 | 1 | 162 | 0 |
| 30 - 34 | 137 | 2.5 | 1 | 135 | 1 |
| 35 - 39 | 159 | 2.9 | 1 | 156 | 2 |
| 40 - 44 | 156 | 2.8 | 0 | 155 | 1 |
| 45 - 49 | 150 | 2.7 | 0 | 148 | 2 |
| 50 - 54 | 136 | 2.5 | 1 | 135 | 0 |
| 55 - 59 | 129 | 2.4 | 0 | 125 | 4 |
| 60 - 64 | 112 | 2.0 | 0 | 111 | 1 |
| 65 - 69 | 68 | 1.2 | 0 | 68 | 0 |
| 70 - 74 | 35 | 0.6 | 1 | 33 | 1 |
| 75 - 79 | 35 | 0.6 | 0 | 34 | 1 |
| 80 and Over | 37 | 0.7 | 0 | 37 | 0 |
| Unknown Age | 6 | 0.1 | 0 | 6 | 0 |
| Unknown Gender | 669 | 12.2 | 2 | 664 | 3 |

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| TABLE 9 Bicyclists Killed or Injured by Age Group | | | | |
|--|-------------------------|----------------|-------------------|----------------|
| Age Group | Total Bicyclists | | Bicyclists | |
| | Number | Percent | Killed | Injured |
| Total | 5,434 | 100.0 | 29 | 5,405 |
| Under 5 | 21 | 0.4 | 0 | 21 |
| 5 - 9 | 185 | 3.4 | 0 | 185 |
| 10 - 13 | 414 | 7.6 | 2 | 412 |
| 14 - 17 | 702 | 12.9 | 4 | 698 |
| 18 - 20 | 506 | 9.3 | 1 | 505 |
| 21 - 24 | 512 | 9.4 | 1 | 511 |
| 25 - 29 | 576 | 10.6 | 2 | 574 |
| 30 - 34 | 405 | 7.5 | 3 | 402 |
| 35 - 39 | 348 | 6.4 | 5 | 343 |
| 40 - 44 | 304 | 5.6 | 2 | 302 |
| 45 - 49 | 336 | 6.2 | 2 | 334 |
| 50 - 54 | 276 | 5.1 | 1 | 275 |
| 55 - 59 | 159 | 2.9 | 0 | 159 |
| 60 - 64 | 118 | 2.2 | 0 | 118 |
| 65 - 69 | 60 | 1.1 | 2 | 58 |
| 70 - 74 | 43 | 0.8 | 2 | 41 |
| 75 - 79 | 26 | 0.5 | 1 | 25 |
| 80 and Over | 12 | 0.2 | 1 | 11 |
| Unknown Age | 431 | 7.9 | 0 | 431 |

| TABLE 10(P) Safety Equipment Used by Bicyclists | | | | | | | | |
|--|-------------------------|----------------|---|--------------------|---------------------|------------------|-------------------|----------------------|
| | Total Bicyclists | | Bicyclists by Severity of Injury | | | | | |
| | Number | Percent | Killed (K) | Serious (A) | Moderate (B) | Minor (C) | Unk Injury | Uninjured (O) |
| Bicyclists | 5,517 | 100.0 | 29 | 593 | 1,686 | 2,841 | 120 | 248 |
| No Helmet Used | 2,580 | 46.8 | 14 | 291 | 810 | 1,334 | 40 | 91 |
| Helmet Used | 655 | 11.9 | 6 | 67 | 242 | 303 | 11 | 26 |
| Unknown | 2,282 | 41.4 | 9 | 235 | 634 | 1,204 | 69 | 131 |