

# New York State Department of Motor Vehicles Summary of Bicycle/Motor Vehicle Accidents

2007

<b>TABLE 1 Bicycle/Motor Vehicle Accidents</b>		
<b>Category Totals</b>	<b>All Accidents</b>	<b>Police Reported</b>
<b>Total Accidents</b>	<b>5,535†</b>	<b>5,353†</b>
Fatal Accidents	51	51
Non-Fatal Personal Injury Accidents	5,451	5,287
Reportable Property Damage Accidents	33†	15†
Vehicles	5,649	5,466
Drivers Involved	5,412	5,239
Vehicle Occupants	7,338	7,138
<b>Special Bicycle Accident Series</b>		
Bicycle/Pedestrian/Motor Vehicle Accidents	3	3
Bicycle/Motorcycle Accidents	19	19
<b>Fatalities</b>		
<b>Persons Killed (1)</b>	<b>51</b>	<b>51</b>
Drivers Killed	1	1
Passengers Killed	0	0
Pedestrians Killed	0	0
Bicyclists Killed	50	50
Other	0	0
<b>Non-Fatal Injuries</b>		
<b>Persons Injured (1)</b>	<b>5,558</b>	<b>5,387</b>
Drivers Injured	118	114
Passengers Injured	62	57
Pedestrians Injured	4	4
Bicyclists Injured	5,373	5,211
Other	1	1
† It is important to note that the data for 2007 are not strictly comparable to the data for previous years. Changes in data collection and reporting that began during 2006 with respect to property damage crashes have increased the total number of crashes, since the changes resulted in more property damage crashes being captured in the statewide Accident Information System (AIS) maintained by the NYS Department of Motor Vehicles.		
(1) Includes pedestrians, bicyclists and all other non-vehicle involved persons as well as vehicle occupants regardless of seating position.		

<b>TABLE 2(P) Severity of Accident</b>		
	<b>Number</b>	<b>Percent</b>
<b>Total</b>	<b>5,353</b>	<b>100.0</b>
Fatal (K) Accidents	51	1.0
Personal Injury Accidents		
Serious (A)	594	11.1
Moderate (B)	1,702	31.8
Minor (C)	2,728	51.0
Unknown Severity	263	4.9
Property Damage (O) Accidents	15	0.3

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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<b>TABLE 3 Day of Week/Time of Day</b>										
<b>Day of Week</b>	<b>Total Accidents</b>	<b>Time of Day</b>								
		<b>Mid-3am</b>	<b>3am-6am</b>	<b>6am-9am</b>	<b>9am-Noon</b>	<b>Noon-3pm</b>	<b>3pm-6pm</b>	<b>6pm-9pm</b>	<b>9pm-Mid</b>	<b>Unknown</b>
<b>Total</b>	<b>5,535</b>	<b>117</b>	<b>56</b>	<b>410</b>	<b>661</b>	<b>963</b>	<b>1,431</b>	<b>1,282</b>	<b>567</b>	<b>48</b>
<b>Sunday</b>										
<b>Total</b>	568	22	7	19	65	116	139	138	59	3
Fatal	3	1	0	1	0	0	0	1	0	0
Personal Injury	564	21	7	18	65	116	139	137	58	3
Property Damage	1	0	0	0	0	0	0	0	1	0
<b>Monday</b>										
<b>Total</b>	778	13	9	61	86	129	203	190	82	5
Fatal	5	0	2	0	0	1	1	0	1	0
Personal Injury	767	13	7	60	85	128	199	189	81	5
Property Damage	6	0	0	1	1	0	3	1	0	0
<b>Tuesday</b>										
<b>Total</b>	898	14	8	86	133	146	230	194	85	2
Fatal	8	0	0	1	0	5	2	0	0	0
Personal Injury	883	14	8	84	132	140	226	192	85	2
Property Damage	7	0	0	1	1	1	2	2	0	0
<b>Wednesday</b>										
<b>Total</b>	826	10	8	84	92	132	220	196	73	11
Fatal	8	1	2	2	1	0	2	0	0	0
Personal Injury	814	9	6	82	91	130	216	196	73	11
Property Damage	4	0	0	0	0	2	2	0	0	0
<b>Thursday</b>										
<b>Total</b>	831	17	10	67	95	141	215	200	77	9
Fatal	7	0	1	1	0	0	2	2	1	0
Personal Injury	822	17	9	66	95	141	212	197	76	9
Property Damage	2	0	0	0	0	0	1	1	0	0
<b>Friday</b>										
<b>Total</b>	904	8	6	67	90	148	270	202	101	12
Fatal	13	0	0	0	1	3	3	2	4	0
Personal Injury	884	8	6	67	89	145	263	200	96	10
Property Damage	7	0	0	0	0	0	4	0	1	2
<b>Saturday</b>										
<b>Total</b>	730	33	8	26	100	151	154	162	90	6
Fatal	7	1	0	3	0	2	1	0	0	0
Personal Injury	717	32	7	23	99	147	152	161	90	6
Property Damage	6	0	1	0	1	2	1	1	0	0

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<b>TABLE 4(P) Police Investigating Agency</b>					
	<b>Total Accidents</b>		<b>Severity Class of Accident</b>		
	<b>Number</b>	<b>Percent</b>	<b>Fatal</b>	<b>Personal Injury</b>	<b>Property Damage</b>
<b>Total</b>	<b>5,353</b>	<b>100.0</b>	<b>51</b>	<b>5,287</b>	<b>15</b>
State Police	106	2.0	2	104	0
County Police	838	15.7	14	823	1
New York City Police (NYPD)	2,854	53.3	25	2,827	2
Municipal Police (non-NYC)	1,555	29.0	10	1,533	12
Unknown	0	0.0	0	0	0

<b>TABLE 5 Jurisdictional Road System</b>					
	<b>Total Accidents</b>		<b>Severity Class of Accident</b>		
	<b>Number</b>	<b>Percent</b>	<b>Fatal</b>	<b>Personal Injury</b>	<b>Property Damage</b>
<b>Total</b>	<b>5,535</b>	<b>100.0</b>	<b>51</b>	<b>5,451</b>	<b>33</b>
State Routes	684	12.4	9	669	6
County Routes	248	4.5	3	244	1
Town Routes	491	8.9	7	478	6
Municipal Streets	3,826	69.1	32	3,775	19
Parkways	13	0.2	0	13	0
Thruway	0	0.0	0	0	0
Other Interstates	14	0.3	0	14	0
Unknown	259	4.7	0	258	1

<b>TABLE 6 Manner of Collision</b>					
	<b>Total Accidents</b>		<b>Severity Class of Accident</b>		
	<b>Number</b>	<b>Percent</b>	<b>Fatal</b>	<b>Personal Injury</b>	<b>Property Damage</b>
<b>Total</b>	<b>5,535</b>	<b>100.0</b>	<b>51</b>	<b>5,451</b>	<b>33</b>
Single Vehicle Accidents	5,438	98.2	43	5,362	33
Two Vehicle Accidents	87	1.6	8	79	0
3 or More Vehicle Accidents	10	0.2	0	10	0

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<b>TABLE 7(P) Accident Contributing Factors</b>					
	<b>Total Accidents</b>		<b>Severity Class of Accident</b>		
	<b>Number</b>	<b>Percent</b>	<b>Fatal</b>	<b>Personal Injury</b>	<b>Property Damage</b>
<b>Total Accidents</b>	<b>5,353</b>	<b>100.0</b>	<b>51</b>	<b>5,287</b>	<b>15</b>
Accidents With No Factor Reported	1,607	30.0	6	1,598	3
Accidents With One or More Factors Reported	3,746	70.0	45	3,689	12
<b>Accidents With Human Factors</b>	<b>3,552</b>	<b>66.4</b>	<b>44</b>	<b>3,498</b>	<b>10</b>
Aggressive Driving/Road Rage	46	0.9	1	45	0
Alcohol Involvement	89	1.7	4	85	0
Backing Unsafely	34	0.6	0	34	0
Cell Phone (hand held)	10	0.2	0	10	0
Cell Phone (hands free)	1	<0.1	0	1	0
Driver Inattention/Distracted	1,025	19.1	10	1,014	1
Driver Inexperience	81	1.5	0	78	3
Drugs (Illegal)	10	0.2	2	8	0
Failure to Keep Right	78	1.5	3	73	2
Failure to Yield R.O.W.	1,004	18.8	6	994	4
Fatigued/Drowsy	2	<0.1	0	2	0
Fell Asleep	0	0.0	0	0	0
Following Too Closely	47	0.9	0	47	0
Illness	0	0.0	0	0	0
Lost Consciousness	0	0.0	0	0	0
Other Electronic Device	4	0.1	0	4	0
Outside Car Distraction	16	0.3	1	15	0
Passenger Distraction	20	0.4	0	20	0
Passing or Lane Usage Improper	175	3.3	3	172	0
Pedestrian/Bicyclist/Other Ped Error/Confusion	1,422	26.6	16	1,403	3
Physical Disability	4	0.1	0	4	0
Prescription Medication	4	0.1	0	4	0
Reaction to Other Uninvolved Vehicle	39	0.7	0	39	0
Traffic Control Disregarded	354	6.6	6	347	1
Turning Improperly	131	2.4	2	129	0
Unsafe Lane Changing	49	0.9	1	48	0
Unsafe Speed	91	1.7	1	90	0
Other Human	7	0.1	0	6	1
<b>Accidents With Vehicular Factors</b>	<b>148</b>	<b>2.8</b>	<b>1</b>	<b>144</b>	<b>3</b>
Accelerator Defective	1	<0.1	0	1	0
Brakes Defective	50	0.9	0	47	3
Driverless/Runaway Vehicle	3	0.1	0	3	0
Headlights Defective	6	0.1	0	6	0
Other Lighting Defects	4	0.1	0	4	0
Oversized Vehicle	4	0.1	1	3	0
Steering Failure	2	<0.1	0	2	0
Tire Failure/Inadequate	1	<0.1	0	1	0
Tow Hitch Defective	0	0.0	0	0	0
Windshield Inadequate	0	0.0	0	0	0
Other Vehicular	81	1.5	0	81	0
<b>Accidents With Environmental Factors</b>	<b>318</b>	<b>5.9</b>	<b>2</b>	<b>314</b>	<b>2</b>
Animal's Action	1	<0.1	0	1	0
Glare	56	1.0	0	56	0
Lane Marking Improper/Inadequate	5	0.1	0	5	0
Obstruction/Debris	18	0.3	0	18	0
Pavement Defective	3	0.1	0	3	0
Pavement Slippery	48	0.9	0	48	0
Shoulders Defective/Improper	1	<0.1	0	1	0
Traffic Control Device Improper/Non-Working	6	0.1	0	6	0
View Obstructed/Limited	191	3.6	2	187	2
Other Environmental	0	0.0	0	0	0

Note: Many accidents have multiple factors reported.

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<b>TABLE 8 Driver Age and Gender</b>					
	<b>Total Drivers</b>		<b>Drivers by Severity of Accident</b>		
	<b>Number</b>	<b>Percent</b>	<b>Fatal</b>	<b>Personal Injury</b>	<b>Property Damage</b>
<b>Total Drivers</b>	<b>5,412</b>	<b>100.0</b>	<b>55</b>	<b>5,325</b>	<b>32</b>
<b>Male</b>	<b>3,231</b>	<b>59.7</b>	<b>39</b>	<b>3,176</b>	<b>16</b>
Under 16	0	0.0	0	0	0
16 - 17	36	0.7	0	36	0
18 - 20	150	2.8	1	149	0
21 - 24	231	4.3	1	229	1
25 - 29	299	5.5	3	295	1
30 - 34	323	6.0	2	321	0
35 - 39	344	6.4	10	333	1
40 - 44	356	6.6	6	349	1
45 - 49	385	7.1	4	378	3
50 - 54	350	6.5	2	347	1
55 - 59	258	4.8	6	250	2
60 - 64	185	3.4	3	180	2
65 - 69	101	1.9	0	99	2
70 - 74	89	1.6	1	87	1
75 - 79	62	1.1	0	61	1
80 and Over	51	0.9	0	51	0
Unknown Age	11	0.2	0	11	0
<b>Female</b>	<b>1,544</b>	<b>28.5</b>	<b>14</b>	<b>1,515</b>	<b>15</b>
Under 16	0	0.0	0	0	0
16 - 17	29	0.5	0	29	0
18 - 20	92	1.7	0	90	2
21 - 24	146	2.7	4	142	0
25 - 29	159	2.9	2	157	0
30 - 34	161	3.0	2	156	3
35 - 39	151	2.8	2	146	3
40 - 44	157	2.9	2	153	2
45 - 49	146	2.7	0	145	1
50 - 54	137	2.5	1	136	0
55 - 59	115	2.1	1	114	0
60 - 64	96	1.8	0	93	3
65 - 69	56	1.0	0	56	0
70 - 74	38	0.7	0	38	0
75 - 79	22	0.4	0	21	1
80 and Over	38	0.7	0	38	0
Unknown Age	1	<0.1	0	1	0
<b>Unknown Gender</b>	<b>637</b>	<b>11.8</b>	<b>2</b>	<b>634</b>	<b>1</b>

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<b>TABLE 9 Bicyclists Killed or Injured by Age Group</b>				
<b>Age Group</b>	<b>Total Bicyclists</b>		<b>Bicyclists</b>	
	<b>Number</b>	<b>Percent</b>	<b>Killed</b>	<b>Injured</b>
<b>Total</b>	<b>5,423</b>	<b>100.0</b>	<b>50</b>	<b>5,373</b>
Under 5	18	0.3	0	18
5 - 9	210	3.9	0	210
10 - 13	507	9.3	6	501
14 - 17	784	14.5	2	782
18 - 20	490	9.0	3	487
21 - 24	448	8.3	1	447
25 - 29	505	9.3	2	503
30 - 34	381	7.0	5	376
35 - 39	328	6.0	6	322
40 - 44	329	6.1	6	323
45 - 49	366	6.7	6	360
50 - 54	269	5.0	3	266
55 - 59	171	3.2	3	168
60 - 64	89	1.6	3	86
65 - 69	68	1.3	1	67
70 - 74	55	1.0	2	53
75 - 79	22	0.4	0	22
80 and Over	20	0.4	0	20
Unknown Age	363	6.7	1	362

<b>TABLE 10(P) Safety Equipment Used by Bicyclists</b>								
	<b>Total Bicyclists</b>		<b>Bicyclists by Severity of Injury</b>					
	<b>Number</b>	<b>Percent</b>	<b>Killed (K)</b>	<b>Serious (A)</b>	<b>Moderate (B)</b>	<b>Minor (C)</b>	<b>Unk Injury</b>	<b>Uninjured (O)</b>
<b>Bicyclists</b>	<b>5,448</b>	<b>100.0</b>	<b>50</b>	<b>591</b>	<b>1,709</b>	<b>2,779</b>	<b>132</b>	<b>187</b>
No Helmet Used	1,910	35.1	29	231	614	947	39	50
Helmet Used	603	11.1	2	70	222	290	11	8
Unknown	2,935	53.9	19	290	873	1,542	82	129