

# New York State Department of Motor Vehicles Summary of Motorcycle Accidents

2007

<b>TABLE 1 Motorcycle Accidents</b>		
<b>Category Totals</b>	<b>All Accidents</b>	<b>Police Reported</b>
<b>Total Accidents</b>	<b>5,426†</b>	<b>4,994†</b>
Fatal Accidents	164	164
Non-Fatal Personal Injury Accidents	4,727	4,515
Reportable Property Damage Accidents	535†	315†
<b>Vehicles</b>	<b>8,823</b>	<b>8,104</b>
Drivers Involved	8,507	7,848
<i>Motorcycle Operators</i>	5,424	5,034
<i>Non-Motorcycle Drivers</i>	3,083	2,814
Vehicle Occupants	10,489	9,760
<b>Special Motorcycle Accident Series</b>		
Motorcycle/Pedestrian Accidents	74	74
Motorcycle/Bicycle Accidents	19	19
<b>Fatalities</b>		
<b>Persons Killed (1)</b>	<b>172</b>	<b>172</b>
Drivers Killed	162	162
<i>Motorcycle Operators</i>	162	162
<i>Non-Motorcycle Drivers</i>	0	0
Passengers Killed	9	9
<i>Motorcycle Passengers</i>	9	9
<i>Passengers in Other Vehicles</i>	0	0
Pedestrians Killed	1	1
Bicyclists Killed	0	0
Other	0	0
<b>Non-Fatal Injuries</b>		
<b>Persons Injured (1)</b>	<b>5,503</b>	<b>5,272</b>
Drivers Injured	4,830	4,617
Passengers Injured	579	561
Pedestrians Injured	71	71
Bicyclists Injured	15	15
Other	8	8
† 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>4,994</b>	<b>100.0</b>
Fatal (K) Accidents	164	3.3
Personal Injury Accidents		
Serious (A)	1,082	21.7
Moderate (B)	1,467	29.4
Minor (C)	1,870	37.4
Unknown Severity	96	1.9
Property Damage (O) Accidents	315	6.3

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>5,426</b>	<b>226</b>	<b>121</b>	<b>336</b>	<b>535</b>	<b>1,046</b>	<b>1,366</b>	<b>1,144</b>	<b>565</b>	<b>87</b>
<b>Sunday</b>										
<b>Total</b>	1,045	47	25	28	137	268	276	178	71	15
Fatal	41	2	3	2	5	9	7	9	3	1
Personal Injury	904	43	21	24	118	232	245	151	61	9
Property Damage	100	2	1	2	14	27	24	18	7	5
<b>Monday</b>										
<b>Total</b>	615	25	13	52	50	110	166	126	61	12
Fatal	20	2	0	2	2	3	4	3	4	0
Personal Injury	529	23	11	44	41	91	144	115	53	7
Property Damage	66	0	2	6	7	16	18	8	4	5
<b>Tuesday</b>										
<b>Total</b>	667	18	15	57	58	111	164	179	55	10
Fatal	14	1	0	0	3	3	1	3	3	0
Personal Injury	584	14	14	49	50	95	143	165	49	5
Property Damage	69	3	1	8	5	13	20	11	3	5
<b>Wednesday</b>										
<b>Total</b>	608	16	14	38	54	104	155	150	68	9
Fatal	16	0	0	1	1	5	4	4	1	0
Personal Injury	541	16	12	32	51	90	139	133	62	6
Property Damage	51	0	2	5	2	9	12	13	5	3
<b>Thursday</b>										
<b>Total</b>	647	27	11	70	52	95	160	147	75	10
Fatal	22	1	0	1	1	4	5	8	2	0
Personal Injury	557	22	10	62	43	85	142	124	64	5
Property Damage	68	4	1	7	8	6	13	15	9	5
<b>Friday</b>										
<b>Total</b>	759	30	15	51	47	124	194	176	110	12
Fatal	17	2	1	0	1	1	4	4	4	0
Personal Injury	661	26	10	43	39	111	170	157	101	4
Property Damage	81	2	4	8	7	12	20	15	5	8
<b>Saturday</b>										
<b>Total</b>	1,085	63	28	40	137	234	251	188	125	19
Fatal	34	2	1	1	4	4	7	11	4	0
Personal Injury	951	58	24	31	123	214	219	164	109	9
Property Damage	100	3	3	8	10	16	25	13	12	10

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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>4,994</b>	<b>100.0</b>	<b>164</b>	<b>4,515</b>	<b>315</b>
State Police	971	19.4	33	862	76
County Police	1,436	28.8	56	1,286	94
New York City Police (NYPD)	1,184	23.7	37	1,116	31
Municipal Police (non-NYC)	1,403	28.1	38	1,251	114
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>5,426</b>	<b>100.0</b>	<b>164</b>	<b>4,727</b>	<b>535</b>
State Routes	1,714	31.6	65	1,476	173
County Routes	673	12.4	22	591	60
Town Routes	736	13.6	27	636	73
Municipal Streets	1,567	28.9	36	1,365	166
Parkways	213	3.9	5	190	18
Thruway	51	0.9	1	44	6
Other Interstates	196	3.6	6	178	12
Unknown	276	5.1	2	247	27

<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>5,426</b>	<b>100.0</b>	<b>164</b>	<b>4,727</b>	<b>535</b>
Single Vehicle Accidents	2,318	42.7	53	2,086	179
Two Vehicle Accidents	2,876	53.0	93	2,457	326
3 or More Vehicle Accidents	232	4.3	18	184	30

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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>4,994</b>	<b>100.0</b>	<b>164</b>	<b>4,515</b>	<b>315</b>
Accidents With No Factor Reported	606	12.1	12	573	21
Accidents With One or More Factors Reported	4,388	87.9	152	3,942	294
<b>Accidents With Human Factors</b>	<b>3,634</b>	<b>72.8</b>	<b>144</b>	<b>3,250</b>	<b>240</b>
Aggressive Driving/Road Rage	82	1.6	1	77	4
Alcohol Involvement	176	3.5	19	151	6
Backing Unsafely	27	0.5	0	13	14
Cell Phone (hand held)	7	0.1	1	4	2
Cell Phone (hands free)	1	<0.1	0	1	0
Driver Inattention/Distraction	675	13.5	16	605	54
Driver Inexperience	466	9.3	15	434	17
Drugs (Illegal)	7	0.1	0	5	2
Failure to Keep Right	125	2.5	19	103	3
Failure to Yield R.O.W.	823	16.5	33	749	41
Fatigued/Drowsy	4	0.1	0	3	1
Fell Asleep	1	<0.1	1	0	0
Following Too Closely	379	7.6	1	332	46
Illness	4	0.1	1	3	0
Lost Consciousness	3	0.1	0	3	0
Other Electronic Device	0	0.0	0	0	0
Outside Car Distraction	15	0.3	0	13	2
Passenger Distraction	13	0.3	1	12	0
Passing or Lane Usage Improper	319	6.4	22	270	27
Pedestrian/Bicyclist/Other Ped Error/Confusion	21	0.4	1	20	0
Physical Disability	4	0.1	1	3	0
Prescription Medication	7	0.1	1	6	0
Reaction to Other Uninvolved Vehicle	330	6.6	2	308	20
Traffic Control Disregarded	135	2.7	8	118	9
Turning Improperly	251	5.0	12	226	13
Unsafe Lane Changing	217	4.3	7	196	14
Unsafe Speed	844	16.9	66	744	34
Other Human	11	0.2	2	9	0
<b>Accidents With Vehicular Factors</b>	<b>274</b>	<b>5.5</b>	<b>7</b>	<b>246</b>	<b>21</b>
Accelerator Defective	20	0.4	0	19	1
Brakes Defective	24	0.5	2	20	2
Driverless/Runaway Vehicle	4	0.1	0	4	0
Headlights Defective	1	<0.1	0	1	0
Other Lighting Defects	4	0.1	0	4	0
Oversized Vehicle	1	<0.1	0	1	0
Steering Failure	18	0.4	0	17	1
Tire Failure/Inadequate	42	0.8	0	38	4
Tow Hitch Defective	2	<0.1	0	1	1
Windshield Inadequate	0	0.0	0	0	0
Other Vehicular	163	3.3	5	146	12
<b>Accidents With Environmental Factors</b>	<b>823</b>	<b>16.5</b>	<b>11</b>	<b>758</b>	<b>54</b>
Animal's Action	333	6.7	3	306	24
Glare	45	0.9	1	42	2
Lane Marking Improper/Inadequate	2	<0.1	0	2	0
Obstruction/Debris	128	2.6	1	117	10
Pavement Defective	64	1.3	0	64	0
Pavement Slippery	170	3.4	4	153	13
Shoulders Defective/Improper	2	<0.1	0	1	1
Traffic Control Device Improper/Non-Working	2	<0.1	0	2	0
View Obstructed/Limited	98	2.0	2	89	7
Other Environmental	4	0.1	0	4	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>Non-Motorcycle Drivers</b>		<b>Motorcycle Operators by Severity of Accident</b>				
	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Fatal</b>	<b>Personal Injury</b>	<b>Property Damage</b>
<b>Total Drivers</b>	<b>8,507</b>	<b>100.0</b>	<b>3,083</b>	<b>100.0</b>	<b>5,424</b>	<b>100.0</b>	<b>175</b>	<b>4,793</b>	<b>456</b>
<b>Male</b>	<b>6,897</b>	<b>81.1</b>	<b>1,807</b>	<b>58.6</b>	<b>5,090</b>	<b>93.8</b>	<b>162</b>	<b>4,516</b>	<b>412</b>
Under 16	7	0.1	0	0.0	7	0.1	0	7	0
16 - 17	83	1.0	43	1.4	40	0.7	0	36	4
18 - 20	463	5.4	124	4.0	339	6.3	7	314	18
21 - 24	884	10.4	160	5.2	724	13.3	15	648	61
25 - 29	916	10.8	167	5.4	749	13.8	23	669	57
30 - 34	664	7.8	144	4.7	520	9.6	20	457	43
35 - 39	689	8.1	171	5.5	518	9.6	25	450	43
40 - 44	780	9.2	178	5.8	602	11.1	18	529	55
45 - 49	744	8.7	210	6.8	534	9.8	21	476	37
50 - 54	598	7.0	169	5.5	429	7.9	13	379	37
55 - 59	451	5.3	128	4.2	323	6.0	8	286	29
60 - 64	263	3.1	99	3.2	164	3.0	9	145	10
65 - 69	151	1.8	76	2.5	75	1.4	2	62	11
70 - 74	77	0.9	45	1.5	32	0.6	1	26	5
75 - 79	55	0.6	37	1.2	18	0.3	0	17	1
80 and Over	54	0.6	50	1.6	4	0.1	0	4	0
Unknown Age	18	0.2	6	0.2	12	0.2	0	11	1
<b>Female</b>	<b>1,369</b>	<b>16.1</b>	<b>1,071</b>	<b>34.7</b>	<b>298</b>	<b>5.5</b>	<b>13</b>	<b>263</b>	<b>22</b>
Under 16	0	0.0	0	0.0	0	0.0	0	0	0
16 - 17	33	0.4	33	1.1	0	0.0	0	0	0
18 - 20	113	1.3	101	3.3	12	0.2	0	11	1
21 - 24	118	1.4	93	3.0	25	0.5	0	22	3
25 - 29	141	1.7	98	3.2	43	0.8	3	36	4
30 - 34	114	1.3	86	2.8	28	0.5	0	26	2
35 - 39	128	1.5	93	3.0	35	0.6	0	34	1
40 - 44	128	1.5	87	2.8	41	0.8	5	33	3
45 - 49	150	1.8	98	3.2	52	1.0	3	44	5
50 - 54	128	1.5	94	3.0	34	0.6	2	29	3
55 - 59	103	1.2	89	2.9	14	0.3	0	14	0
60 - 64	68	0.8	62	2.0	6	0.1	0	6	0
65 - 69	35	0.4	30	1.0	5	0.1	0	5	0
70 - 74	43	0.5	41	1.3	2	<0.1	0	2	0
75 - 79	29	0.3	29	0.9	0	0.0	0	0	0
80 and Over	36	0.4	36	1.2	0	0.0	0	0	0
Unknown Age	2	<0.1	1	<0.1	1	<0.1	0	1	0
<b>Unknown Gender</b>	<b>241</b>	<b>2.8</b>	<b>205</b>	<b>6.6</b>	<b>36</b>	<b>0.7</b>	<b>0</b>	<b>14</b>	<b>22</b>

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<b>TABLE 9 Motorcyclists Killed or Injured by Age Group</b>				
<b>Age Group</b>	<b>Total Motorcyclists</b>		<b>Motorcyclists</b>	
	<b>Number</b>	<b>Percent</b>	<b>Killed</b>	<b>Injured</b>
<b>Total</b>	<b>5,167</b>	<b>100.0</b>	<b>171</b>	<b>4,996</b>
Under 5	0	0.0	0	0
5 - 9	4	0.1	0	4
10 - 13	18	0.3	0	18
14 - 17	55	1.1	1	54
18 - 20	357	6.9	7	350
21 - 24	712	13.8	14	698
25 - 29	736	14.2	25	711
30 - 34	510	9.9	20	490
35 - 39	528	10.2	21	507
40 - 44	601	11.6	25	576
45 - 49	562	10.9	22	540
50 - 54	440	8.5	16	424
55 - 59	320	6.2	8	312
60 - 64	171	3.3	8	163
65 - 69	67	1.3	2	65
70 - 74	30	0.6	1	29
75 - 79	16	0.3	0	16
80 and Over	3	0.1	0	3
Unknown Age	37	0.7	1	36

<b>TABLE 10(P) Safety Equipment Used by Motorcyclists</b>								
	<b>Total Motorcyclists</b>		<b>Injury Severity of Motorcyclist</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>Motorcyclists</b>	<b>5,549</b>	<b>100.0</b>	<b>171</b>	<b>1,105</b>	<b>1,552</b>	<b>2,050</b>	<b>72</b>	<b>599</b>
No Helmet Used	665	12.0	24	128	206	238	10	59
Helmet Used	4,338	78.2	142	902	1,214	1,592	50	438
Unknown	546	9.8	5	75	132	220	12	102