

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

## 2007 Statewide Statistical Summary

<b>TABLE 1 Accident Summary Totals</b>		
<b>Category Totals</b>	<b>All Accidents</b>	<b>Police Reported</b>
<b>Total Accidents</b>	<b>323,106†</b>	<b>260,028†</b>
Fatal Accidents	1,220	1,220
Non-Fatal Personal Injury Accidents	139,117	124,812
Reportable Property Damage Accidents	182,769†	133,996†
<b>Vehicles</b>	<b>573,241</b>	<b>460,079</b>
Drivers Involved	537,941	432,822
Vehicle Occupants	753,013	625,457
<b>Special Accident Series</b>		
Pedestrian/Motor Vehicle Accidents	15,701	15,127
Bicycle/Motor Vehicle Accidents	5,535	5,353
Motorcycle Accidents	5,426	4,994
<b>Fatalities</b>		
<b>Persons Killed (1)</b>	<b>1,317</b>	<b>1,317</b>
Drivers Killed	762	762
Passengers Killed	231	231
Pedestrians Killed	272	272
Bicyclists Killed	50	50
Other	2	2
<b>Non-Fatal Injuries</b>		
<b>Persons Injured (1)</b>	<b>194,255</b>	<b>176,144</b>
Drivers Injured	119,314	106,467
Passengers Injured	53,261	48,896
Pedestrians Injured	15,472	14,891
Bicyclists Injured	5,373	5,211
Other	835	679

† 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 1.1 Statewide Rates</b>	
Fatal Acc Rate/100 Mil Vehicle Miles	0.89
Injury Acc Rate/100 Mil Vehicle Miles	101.74
Death Rate/100 Mil Vehicle Miles	0.96
Injury Rate/100 Mil Vehicle Miles	142.06
Death Rate/100,000 Population	6.82
Injury Rate/100,000 Population	1006.62
Death Rate/100,000 Licensed Drivers	11.58
Injury Rate/100,000 Licensed Drivers	1708.60

<b>TABLE 2(P) Severity of Accident</b>		
	<b>Number</b>	<b>Percent</b>
<b>Total</b>	<b>260,028</b>	<b>100.0</b>
Fatal (K) Accidents	1,220	0.5
Personal Injury Accidents		
Serious (A)	11,068	4.3
Moderate (B)	20,129	7.7
Minor (C)	88,561	34.1
Unknown Severity	5,054	1.9
Property Damage (O) Accidents	133,996	51.5

**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
<b>Total</b>	<b>323,106</b>	<b>14,515</b>	<b>12,703</b>	<b>40,715</b>	<b>43,695</b>	<b>55,156</b>	<b>69,817</b>	<b>45,341</b>	<b>27,682</b>	<b>13,482</b>
<b>Sunday</b>										
<b>Total</b>	37,075	3,369	2,840	2,870	4,373	6,355	6,491	5,417	3,754	1,606
Fatal	218	41	24	17	19	27	27	29	33	1
Personal Injury	16,348	1,616	1,290	1,157	1,885	2,998	3,139	2,446	1,604	213
Property Damage	20,509	1,712	1,526	1,696	2,469	3,330	3,325	2,942	2,117	1,392
<b>Monday</b>										
<b>Total</b>	47,301	1,728	1,608	6,946	6,640	8,140	10,679	6,219	3,308	2,033
Fatal	147	13	12	13	15	32	23	16	23	0
Personal Injury	20,404	724	576	2,779	2,902	3,774	4,919	2,902	1,518	310
Property Damage	26,750	991	1,020	4,154	3,723	4,334	5,737	3,301	1,767	1,723
<b>Tuesday</b>										
<b>Total</b>	45,531	1,288	1,180	6,886	6,535	7,638	10,562	6,401	3,354	1,687
Fatal	165	13	15	16	16	26	32	29	17	1
Personal Injury	19,908	541	439	2,831	3,027	3,477	4,879	2,987	1,510	217
Property Damage	25,458	734	726	4,039	3,492	4,135	5,651	3,385	1,827	1,469
<b>Wednesday</b>										
<b>Total</b>	46,988	1,374	1,291	7,360	6,594	7,553	10,659	6,600	3,535	2,022
Fatal	136	10	12	11	22	28	24	14	15	0
Personal Injury	20,110	560	415	3,003	2,955	3,531	4,793	2,974	1,586	293
Property Damage	26,742	804	864	4,346	3,617	3,994	5,842	3,612	1,934	1,729
<b>Thursday</b>										
<b>Total</b>	47,536	1,496	1,301	6,646	6,572	8,050	10,996	6,679	3,794	2,002
Fatal	161	10	17	15	18	27	27	28	19	0
Personal Injury	20,043	598	454	2,663	2,827	3,600	4,948	3,010	1,657	286
Property Damage	27,332	888	830	3,968	3,727	4,423	6,021	3,641	2,118	1,716
<b>Friday</b>										
<b>Total</b>	55,336	1,873	1,691	6,551	6,984	9,618	13,027	8,180	5,123	2,289
Fatal	192	13	11	22	17	27	38	25	39	0
Personal Injury	23,406	769	614	2,715	3,106	4,310	5,734	3,580	2,225	353
Property Damage	31,738	1,091	1,066	3,814	3,861	5,281	7,255	4,575	2,859	1,936
<b>Saturday</b>										
<b>Total</b>	43,339	3,387	2,792	3,456	5,997	7,802	7,403	5,845	4,814	1,843
Fatal	201	26	30	27	14	21	22	33	27	1
Personal Injury	18,898	1,470	1,209	1,386	2,577	3,667	3,560	2,654	2,108	267
Property Damage	24,240	1,891	1,553	2,043	3,406	4,114	3,821	3,158	2,679	1,575

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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>260,028</b>	<b>100.0</b>	<b>1,220</b>	<b>124,812</b>	<b>133,996</b>
State Police	49,675	19.1	305	16,027	33,343
County Police	74,620	28.7	407	30,899	43,314
New York City Police (NYPD)	55,244	21.2	264	43,619	11,361
Municipal Police (non-NYC)	80,485	31.0	244	34,267	45,974
Unknown	4	<0.1	0	0	4

<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>323,106</b>	<b>100.0</b>	<b>1,220</b>	<b>139,117</b>	<b>182,769</b>
State Routes	93,392	28.9	480	35,643	57,269
County Routes	29,915	9.3	161	11,030	18,724
Town Routes	41,779	12.9	160	14,836	26,783
Municipal Streets	101,665	31.5	293	56,656	44,716
Parkways	10,713	3.3	45	4,864	5,804
Thruway	7,181	2.2	26	2,001	5,154
Other Interstates	13,772	4.3	43	5,581	8,148
Unknown	24,689	7.6	12	8,506	16,171

<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>323,106</b>	<b>100.0</b>	<b>1,220</b>	<b>139,117</b>	<b>182,769</b>
Single Vehicle Accidents	103,286	32.0	689	43,750	58,847
Two Vehicle Accidents	195,680	60.6	406	80,301	114,973
3 or More Vehicle Accidents	24,140	7.5	125	15,066	8,949

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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>260,028</b>	<b>100.0</b>	<b>1,220</b>	<b>124,812</b>	<b>133,996</b>
Accidents With No Factor Reported	29,786	11.5	131	21,350	8,305
Accidents With One or More Factors Reported	230,242	88.5	1,089	103,462	125,691
<b>Accidents With Human Factors</b>	<b>189,963</b>	<b>73.1</b>	<b>1,034</b>	<b>92,449</b>	<b>96,480</b>
Aggressive Driving/Road Rage	1,692	0.7	16	1,085	591
Alcohol Involvement*	9,026	3.5	164	4,838	4,024
Backing Unsafely	7,017	2.7	9	1,512	5,496
Cell Phone (hand held)	415	0.2	5	224	186
Cell Phone (hands free)	63	<0.1	0	28	35
Driver Inattention/Distraction	45,363	17.4	132	23,244	21,987
Driver Inexperience	6,387	2.5	41	3,367	2,979
Drugs (Illegal)	488	0.2	9	297	182
Failure to Keep Right	5,567	2.1	128	2,673	2,766
Failure to Yield R.O.W.	38,098	14.7	156	20,058	17,884
Fatigued/Drowsy	1,377	0.5	10	766	601
Fell Asleep	3,344	1.3	28	1,745	1,571
Following Too Closely	37,561	14.4	13	18,167	19,381
Illness	996	0.4	14	786	196
Lost Consciousness	1,038	0.4	18	878	142
Other Electronic Device	96	<0.1	1	51	44
Outside Car Distraction	988	0.4	6	538	444
Passenger Distraction	694	0.3	2	422	270
Passing or Lane Usage Improper	10,323	4.0	111	3,781	6,431
Pedestrian/Bicyclist/Other Ped Error/Confusion	4,353	1.7	113	4,235	5
Physical Disability	352	0.1	3	223	126
Prescription Medication	341	0.1	5	216	120
Reaction to Other Uninvolved Vehicle	8,645	3.3	8	4,079	4,558
Traffic Control Disregarded	11,097	4.3	79	6,971	4,047
Turning Improperly	9,142	3.5	26	4,034	5,082
Unsafe Lane Changing	9,295	3.6	43	3,438	5,814
Unsafe Speed*	31,074	12.0	362	14,041	16,671
Other Human	557	0.2	11	243	303
<b>Accidents With Vehicular Factors</b>	<b>10,616</b>	<b>4.1</b>	<b>38</b>	<b>5,324</b>	<b>5,254</b>
Accelerator Defective	263	0.1	1	149	113
Brakes Defective	1,810	0.7	2	1,075	733
Driverless/Runaway Vehicle	173	0.1	0	92	81
Headlights Defective	51	<0.1	0	34	17
Other Lighting Defects	113	<0.1	0	58	55
Oversized Vehicle	655	0.3	5	159	491
Steering Failure	668	0.3	0	293	375
Tire Failure/Inadequate	1,550	0.6	4	632	914
Tow Hitch Defective	100	<0.1	0	15	85
Windshield Inadequate	52	<0.1	0	34	18
Other Vehicular	5,455	2.1	26	2,940	2,489
<b>Accidents With Environmental Factors</b>	<b>60,246</b>	<b>23.2</b>	<b>129</b>	<b>18,391</b>	<b>41,726</b>
Animal's Action	19,621	7.5	6	2,231	17,384
Glare	2,632	1.0	18	1,436	1,178
Lane Marking Improper/Inadequate	142	0.1	0	48	94
Obstruction/Debris	2,105	0.8	7	716	1,382
Pavement Defective	404	0.2	0	249	155
Pavement Slippery	30,348	11.7	71	11,312	18,965
Shoulders Defective/Improper	86	<0.1	0	37	49
Traffic Control Device Improper/Non-Working	297	0.1	2	182	113
View Obstructed/Limited	5,911	2.3	32	2,697	3,182
Other Environmental	91	<0.1	0	33	58

\* These numbers represent the total number of accidents in which the police checked "alcohol involvement" or "unsafe speed" as apparent contributing factors on the police accident report form. Hence, they do not represent the total number of alcohol-related or speed-related accidents that occurred in the state. For data on the total number of alcohol-related accidents in New York State, see the separate report titled, "Summary of Alcohol-Related Motor Vehicle Accidents." For data on the total number of speed-related accidents in New York State, see the separate report titled, "Summary of Speed-Related Motor Vehicle Accidents."

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>537,941</b>	<b>100.0</b>	<b>1,858</b>	<b>243,832</b>	<b>292,251</b>
<b>Male</b>	<b>307,951</b>	<b>57.2</b>	<b>1,347</b>	<b>142,522</b>	<b>164,082</b>
Under 16	150	<0.1	1	73	76
16 - 17	8,665	1.6	38	3,508	5,119
18 - 20	25,579	4.8	116	11,037	14,426
21 - 24	30,387	5.6	149	13,932	16,306
25 - 29	32,374	6.0	143	15,721	16,510
30 - 34	27,861	5.2	108	13,825	13,928
35 - 39	29,773	5.5	132	14,417	15,224
40 - 44	31,671	5.9	141	15,312	16,218
45 - 49	30,993	5.8	121	14,768	16,104
50 - 54	26,002	4.8	94	11,999	13,909
55 - 59	21,060	3.9	101	9,514	11,445
60 - 64	14,816	2.8	60	6,458	8,298
65 - 69	9,278	1.7	29	3,954	5,295
70 - 74	6,659	1.2	24	2,800	3,835
75 - 79	5,166	1.0	29	2,089	3,048
80 and Over	5,974	1.1	61	2,443	3,470
Unknown Age	1,543	0.3	0	672	871
<b>Female</b>	<b>199,434</b>	<b>37.1</b>	<b>455</b>	<b>91,995</b>	<b>106,984</b>
Under 16	57	<0.1	0	21	36
16 - 17	6,871	1.3	17	2,957	3,897
18 - 20	17,873	3.3	41	7,942	9,890
21 - 24	21,112	3.9	53	9,903	11,156
25 - 29	20,924	3.9	35	10,400	10,489
30 - 34	17,273	3.2	35	8,732	8,506
35 - 39	18,990	3.5	35	9,270	9,685
40 - 44	20,440	3.8	38	9,563	10,839
45 - 49	19,573	3.6	42	9,129	10,402
50 - 54	16,016	3.0	31	7,219	8,766
55 - 59	12,647	2.4	32	5,547	7,068
60 - 64	9,045	1.7	29	3,818	5,198
65 - 69	5,783	1.1	10	2,399	3,374
70 - 74	4,275	0.8	11	1,743	2,521
75 - 79	3,680	0.7	22	1,422	2,236
80 and Over	4,337	0.8	24	1,758	2,555
Unknown Age	538	0.1	0	172	366
<b>Unknown Gender</b>	<b>30,556</b>	<b>5.7</b>	<b>56</b>	<b>9,315</b>	<b>21,185</b>

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Age Group	Total Persons		Persons Killed	Persons Injured
	Number	Percent		
<b>Total</b>	<b>195,572</b>	<b>100.0</b>	<b>1,317</b>	<b>194,255</b>
Under 5	2,536	1.3	14	2,522
5 - 9	4,234	2.2	10	4,224
10 - 13	4,582	2.3	14	4,568
14 - 17	10,543	5.4	58	10,485
18 - 20	16,577	8.5	104	16,473
21 - 24	19,772	10.1	121	19,651
25 - 29	20,396	10.4	112	20,284
30 - 34	16,180	8.3	79	16,101
35 - 39	16,257	8.3	82	16,175
40 - 44	16,562	8.5	100	16,462
45 - 49	16,224	8.3	97	16,127
50 - 54	13,270	6.8	95	13,175
55 - 59	10,485	5.4	79	10,406
60 - 64	7,200	3.7	69	7,131
65 - 69	4,795	2.5	46	4,749
70 - 74	3,602	1.8	50	3,552
75 - 79	2,953	1.5	57	2,896
80 and Over	3,793	1.9	112	3,681
Unknown Age	5,611	2.9	18	5,593

	Total		Injury Severity of Person					
	Number	Percent	Killed (K)	Serious (A)	Moderate (B)	Minor (C)	Unk Injury	Uninjured (O)
<b>Motor Vehicle Occupants</b>	<b>619,908</b>	<b>100.0</b>	<b>822</b>	<b>8,800</b>	<b>17,197</b>	<b>121,379</b>	<b>3,208</b>	<b>468,502</b>
No Restraint Used	19,771	3.2	191	1,060	1,343	5,053	166	11,958
Air Bag Deployed	3,985	0.6	119	366	434	1,462	24	1,580
with Child Restraint	173	<0.1	1	3	24	38	0	107
with Harness	1,707	0.3	10	81	197	714	11	694
with Lap Belt	1,955	0.3	8	72	219	816	32	808
with Lap Belt & Harness	28,201	4.5	188	1,282	3,317	10,947	164	12,303
Child Restraint Only	17,605	2.8	8	76	375	1,415	51	15,680
Harness	8,028	1.3	3	141	194	2,100	85	5,505
Lap Belt	29,598	4.8	9	487	669	7,652	321	20,460
Lap Belt & Harness	451,155	72.8	191	4,522	9,444	82,997	2,009	351,992
Other	129	<0.1	1	2	10	26	1	89
Unknown	57,601	9.3	93	708	971	8,159	344	47,326
<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
<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