

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

## 2010 Statewide Statistical Summary

<b>TABLE 1 Accident Summary Totals</b>		
Category Totals	All Accidents	Police Reported
<b>Total Accidents</b>	<b>315,377</b>	<b>258,988</b>
Fatal Accidents	1,119	1,119
Non-Fatal Personal Injury Accidents	134,151	121,062
Reportable Property Damage Accidents	180,107	136,807
<b>Vehicles</b>	<b>557,227</b>	<b>456,544</b>
Drivers Involved	518,750	427,034
Vehicle Occupants	732,515	618,683
<b>Special Accident Series</b>		
Pedestrian/Motor Vehicle Accidents	16,357	15,706
Bicycle/Motor Vehicle Accidents	6,276	6,025
Motorcycle Accidents	5,570	5,047
<b>Fatalities</b>		
<b>Persons Killed (1)</b>	<b>1,192</b>	<b>1,192</b>
Drivers Killed	646	646
Passengers Killed	198	198
Pedestrians Killed	311	311
Bicyclists Killed	36	36
Other	1	1
<b>Non-Fatal Injuries</b>		
<b>Persons Injured (1)</b>	<b>187,566</b>	<b>170,864</b>
Drivers Injured	112,104	100,519
Passengers Injured	52,421	48,389
Pedestrians Injured	16,090	15,425
Bicyclists Injured	6,058	5,809
Other	893	722
<small>(1) Includes pedestrians, bicyclists and all other non-vehicle involved persons as well as vehicle occupants regardless of seating position.</small>		

<b>TABLE 1.1 Statewide Rates</b>	
Fatal Acc Rate/100 Mil Vehicle Miles (VMT)	0.85
Injury Acc Rate/100 Mil Vehicle Miles (VMT)	102.21
Death Rate/100 Mil Vehicle Miles (VMT)	0.91
Injury Rate/100 Mil Vehicle Miles (VMT)	142.91
Death Rate/100,000 Population	6.15
Injury Rate/100,000 Population	967.93
Death Rate/100,000 Licensed Drivers	10.56
Injury Rate/100,000 Licensed Drivers	1661.96

Note: 2010 statewide VMT rates are not strictly comparable to earlier years as the methodology used by the NYS DOT to calculate VMT was revised in 2010 to comply with federal guidelines.

<b>TABLE 2(P) Severity of Accident</b>		
	Number	Percent
<b>Total</b>	<b>258,988</b>	<b>100.0</b>
Fatal (K) Accidents	1,119	0.4
Personal Injury Accidents		
Serious (A)	10,558	4.1
Moderate (B)	18,189	7.0
Minor (C)	87,634	33.8
Unknown Severity	4,681	1.8
Property Damage (O) Accidents	136,807	52.8

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>315,377</b>	<b>13,615</b>	<b>11,797</b>	<b>38,245</b>	<b>42,300</b>	<b>55,362</b>	<b>69,116</b>	<b>45,407</b>	<b>26,596</b>	<b>12,939</b>
<b>Sunday</b>										
<b>Total</b>	<b>36,178</b>	<b>3,050</b>	<b>2,628</b>	<b>2,377</b>	<b>4,162</b>	<b>6,912</b>	<b>6,815</b>	<b>5,211</b>	<b>3,445</b>	<b>1,578</b>
Fatal	192	38	27	17	12	27	28	27	16	0
Personal Injury	15,533	1,320	1,204	954	1,780	3,114	3,135	2,287	1,515	224
Property Damage	20,453	1,692	1,397	1,406	2,370	3,771	3,652	2,897	1,914	1,354
<b>Monday</b>										
<b>Total</b>	<b>44,527</b>	<b>1,469</b>	<b>1,337</b>	<b>6,337</b>	<b>6,176</b>	<b>7,743</b>	<b>10,153</b>	<b>6,139</b>	<b>3,310</b>	<b>1,863</b>
Fatal	169	18	9	23	15	28	28	28	20	0
Personal Injury	19,073	629	476	2,543	2,694	3,555	4,590	2,796	1,503	287
Property Damage	25,285	822	852	3,771	3,467	4,160	5,535	3,315	1,787	1,576
<b>Tuesday</b>										
<b>Total</b>	<b>46,721</b>	<b>1,240</b>	<b>1,220</b>	<b>6,663</b>	<b>6,430</b>	<b>8,265</b>	<b>10,877</b>	<b>6,699</b>	<b>3,460</b>	<b>1,867</b>
Fatal	145	8	8	17	31	21	27	22	11	0
Personal Injury	19,940	509	400	2,624	2,823	3,765	4,941	3,040	1,551	287
Property Damage	26,636	723	812	4,022	3,576	4,479	5,909	3,637	1,898	1,580
<b>Wednesday</b>										
<b>Total</b>	<b>48,121</b>	<b>1,382</b>	<b>1,367</b>	<b>7,181</b>	<b>6,770</b>	<b>8,038</b>	<b>10,937</b>	<b>6,901</b>	<b>3,633</b>	<b>1,912</b>
Fatal	144	8	5	20	14	23	23	23	26	2
Personal Injury	20,406	584	470	2,845	2,927	3,632	4,886	3,107	1,658	297
Property Damage	27,571	790	892	4,316	3,829	4,383	6,028	3,771	1,949	1,613
<b>Thursday</b>										
<b>Total</b>	<b>48,062</b>	<b>1,487</b>	<b>1,244</b>	<b>6,834</b>	<b>6,515</b>	<b>7,896</b>	<b>11,239</b>	<b>7,181</b>	<b>3,804</b>	<b>1,862</b>
Fatal	142	8	9	24	16	15	26	25	19	0
Personal Injury	20,222	641	433	2,625	2,782	3,521	5,020	3,259	1,687	254
Property Damage	27,698	838	802	4,185	3,717	4,360	6,193	3,897	2,098	1,608
<b>Friday</b>										
<b>Total</b>	<b>51,050</b>	<b>2,005</b>	<b>1,645</b>	<b>5,978</b>	<b>6,559</b>	<b>8,836</b>	<b>11,881</b>	<b>7,500</b>	<b>4,559</b>	<b>2,087</b>
Fatal	132	10	11	8	17	17	25	20	24	0
Personal Injury	21,323	835	600	2,356	2,832	3,894	5,190	3,285	1,997	334
Property Damage	29,595	1,160	1,034	3,614	3,710	4,925	6,666	4,195	2,538	1,753
<b>Saturday</b>										
<b>Total</b>	<b>40,718</b>	<b>2,982</b>	<b>2,356</b>	<b>2,875</b>	<b>5,688</b>	<b>7,672</b>	<b>7,214</b>	<b>5,776</b>	<b>4,385</b>	<b>1,770</b>
Fatal	195	22	20	24	19	32	21	21	35	1
Personal Injury	17,654	1,318	1,056	1,185	2,372	3,562	3,453	2,561	1,885	262
Property Damage	22,869	1,642	1,280	1,666	3,297	4,078	3,740	3,194	2,465	1,507

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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>258,988</b>	<b>100.0</b>	<b>1,119</b>	<b>121,062</b>	<b>136,807</b>
State Police	48,339	18.7	267	15,071	33,001
County Police	70,868	27.4	358	26,720	43,790
New York City Police (NYPD)	56,178	21.7	261	45,274	10,643
Municipal Police (non-NYC)	83,597	32.3	233	33,995	49,369
Unknown	6	<0.1	0	2	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>					
State Routes	Data for this table are not available at this time.				
County Routes					
Town Routes					
Municipal Streets					
Parkways					
Thruway					
Other Interstates					
Unknown					

<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>315,377</b>	<b>100.0</b>	<b>1,119</b>	<b>134,151</b>	<b>180,107</b>
Single Vehicle Accidents	101,471	32.2	695	42,443	58,333
Two Vehicle Accidents	191,363	60.7	345	77,488	113,530
3 or More Vehicle Accidents	22,543	7.1	79	14,220	8,244

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<b>TABLE 7(P) Accident Contributing Factors</b>					
	Total Accidents		Severity Class of Accident		
	Number	Percent	Fatal	Personal Injury	Property Damage
<b>Total Accidents</b>	<b>258,988</b>	<b>100.0</b>	<b>1,119</b>	<b>121,062</b>	<b>136,807</b>
Accidents With No Factor Reported	24,682	9.5	125	18,681	5,876
Accidents With One or More Factors Reported	234,306	90.5	994	102,381	130,931
<b>Accidents With Human Factors</b>	<b>194,105</b>	<b>74.9</b>	<b>941</b>	<b>92,755</b>	<b>100,409</b>
Aggressive Driving/Road Rage	1,647	0.6	20	1,063	564
Alcohol Involvement*	8,108	3.1	130	4,265	3,713
Backing Unsafely	9,608	3.7	5	1,806	7,797
Cell Phone (hand held)	522	0.2	5	276	241
Cell Phone (hands free)	52	<0.1	2	32	18
Driver Inattention/Distraction	49,833	19.2	141	25,023	24,669
Driver Inexperience	5,879	2.3	39	3,071	2,769
Drugs (Illegal)	559	0.2	8	336	215
Eating or Drinking**	3	<0.1	0	1	2
Failure to Keep Right	5,124	2.0	111	2,417	2,596
Failure to Yield R.O.W.	38,085	14.7	138	20,016	17,931
Fatigued/Drowsy	1,264	0.5	5	715	544
Fell Asleep	3,350	1.3	15	1,715	1,620
Following too Closely	40,666	15.7	17	19,823	20,826
Illness	1,168	0.5	20	860	288
Listening/Using Headphones**	0	0.0	0	0	0
Lost Consciousness	1,078	0.4	26	899	153
Other Electronic Device	153	0.1	3	78	72
Outside Car Distraction	1,084	0.4	3	577	504
Passenger Distraction	726	0.3	2	448	276
Passing or Lane Usage Improper	11,676	4.5	65	4,133	7,478
Passing too Closely**	30	<0.1	1	14	15
Pedestrian/Bicyclist/Other Ped Error/Confusion	4,820	1.9	136	4,672	12
Physical Disability	396	0.2	4	250	142
Prescription Medication	410	0.2	9	230	171
Reaction to Other Uninvolved Vehicle	8,387	3.2	17	3,952	4,418
Texting**	5	<0.1	1	1	3
Traffic Control Disregarded	10,276	4.0	68	6,461	3,747
Turning Improperly	9,035	3.5	19	3,774	5,242
Unsafe Lane Changing	9,774	3.8	42	3,618	6,114
Unsafe Speed*	27,555	10.6	287	12,489	14,779
Using On Board Navigation Device**	5	<0.1	0	2	3
Other Human	257	0.1	1	133	123
<b>Accidents With Vehicular Factors</b>	<b>11,108</b>	<b>4.3</b>	<b>46</b>	<b>5,444</b>	<b>5,618</b>
Accelerator Defective	414	0.2	1	223	190
Brakes Defective	1,936	0.7	5	1,130	801
Driverless/Runaway Vehicle	278	0.1	4	145	129
Headlights Defective	68	<0.1	0	38	30
Other Lighting Defects	104	<0.1	1	48	55
Oversized Vehicle	715	0.3	2	166	547
Steering Failure	621	0.2	0	282	339
Tinted Windows**	2	<0.1	0	0	2
Tire Failure/Inadequate	1,577	0.6	9	580	988
Tow Hitch Defective	84	<0.1	1	12	71
Windshield Inadequate	51	<0.1	2	23	26
Other Vehicular	5,582	2.2	22	2,955	2,605
<b>Accidents With Environmental Factors</b>	<b>56,147</b>	<b>21.7</b>	<b>119</b>	<b>15,399</b>	<b>40,629</b>
Animal's Action	22,445	8.7	14	2,194	20,237
Glare	2,647	1.0	16	1,453	1,178
Lane Marking Improper/Inadequate	158	0.1	0	77	81
Obstruction/Debris	2,052	0.8	5	712	1,335
Pavement Defective	443	0.2	2	270	171
Pavement Slippery	23,987	9.3	58	8,663	15,266
Shoulders Defective/Improper	83	<0.1	0	50	33
Traffic Control Device Improper/Non-Working	260	0.1	0	171	89
View Obstructed/Limited	4,973	1.9	27	2,185	2,761
Other Environmental	73	<0.1	0	33	40

\* 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."

\*\* New contributing factor as of October 2010.

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>518,750</b>	<b>100.0</b>	<b>1,576</b>	<b>233,898</b>	<b>283,276</b>
<b>Male</b>	<b>291,605</b>	<b>56.2</b>	<b>1,148</b>	<b>135,447</b>	<b>155,010</b>
Under 16	44	<0.1	2	24	18
16 - 17	6,328	1.2	18	2,472	3,838
18 - 20	22,308	4.3	81	9,535	12,692
21 - 24	28,708	5.5	135	13,257	15,316
25 - 29	30,612	5.9	120	15,018	15,474
30 - 34	26,224	5.1	89	13,085	13,050
35 - 39	25,321	4.9	97	12,550	12,674
40 - 44	28,189	5.4	87	13,633	14,469
45 - 49	29,389	5.7	96	14,053	15,240
50 - 54	26,891	5.2	120	12,625	14,146
55 - 59	21,649	4.2	96	9,826	11,727
60 - 64	16,293	3.1	68	7,210	9,015
65 - 69	10,196	2.0	41	4,269	5,886
70 - 74	6,814	1.3	25	2,788	4,001
75 - 79	5,043	1.0	34	2,030	2,979
80 and Over	6,292	1.2	39	2,448	3,805
Unknown Age	1,304	0.3	0	624	680
<b>Female</b>	<b>196,261</b>	<b>37.8</b>	<b>379</b>	<b>88,989</b>	<b>106,893</b>
Under 16	11	<0.1	0	5	6
16 - 17	5,143	1.0	14	2,064	3,065
18 - 20	17,009	3.3	30	7,337	9,642
21 - 24	21,161	4.1	34	9,579	11,548
25 - 29	21,200	4.1	39	10,394	10,767
30 - 34	17,753	3.4	32	8,919	8,802
35 - 39	16,737	3.2	23	8,198	8,516
40 - 44	18,410	3.5	25	8,762	9,623
45 - 49	18,998	3.7	29	8,667	10,302
50 - 54	16,295	3.1	28	7,303	8,964
55 - 59	13,032	2.5	22	5,560	7,450
60 - 64	10,246	2.0	20	4,206	6,020
65 - 69	6,744	1.3	17	2,713	4,014
70 - 74	4,613	0.9	11	1,819	2,783
75 - 79	3,689	0.7	16	1,453	2,220
80 and Over	4,775	0.9	38	1,859	2,878
Unknown Age	445	0.1	1	151	293
<b>Unknown Gender</b>	<b>30,884</b>	<b>6.0</b>	<b>49</b>	<b>9,462</b>	<b>21,373</b>

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**TABLE 9 Persons Killed or Injured by Age Group and Injury Severity**

Age Group	Persons Killed & Injured		Persons Killed	Persons Injured by Severity				
	Number	Percent		Total	Serious (A)	Moderate (B)	Minor (C)	Unk Injury
<b>Total</b>	<b>188,758</b>	<b>100.0</b>	<b>1,192</b>	<b>187,566</b>	<b>12,802</b>	<b>21,806</b>	<b>148,403</b>	<b>4,555</b>
Under 5	2,844	1.5	12	2,832	114	522	1,791	405
5 - 9	4,082	2.2	9	4,073	216	701	2,961	195
10 - 13	4,218	2.2	20	4,198	244	700	3,125	129
14 - 17	8,296	4.4	41	8,255	625	1,568	5,834	228
18 - 20	14,846	7.9	90	14,756	1,177	2,336	10,963	280
21 - 24	19,311	10.2	131	19,180	1,326	2,601	14,834	419
25 - 29	20,223	10.7	102	20,121	1,311	2,262	16,093	455
30 - 34	16,420	8.7	73	16,347	1,009	1,564	13,423	351
35 - 39	14,338	7.6	66	14,272	890	1,208	11,866	308
40 - 44	15,121	8.0	74	15,047	942	1,318	12,463	324
45 - 49	15,667	8.3	74	15,593	1,032	1,357	12,880	324
50 - 54	13,723	7.3	78	13,645	923	1,258	11,223	241
55 - 59	10,756	5.7	92	10,664	742	951	8,766	205
60 - 64	7,972	4.2	51	7,921	615	776	6,359	171
65 - 69	5,103	2.7	48	5,055	396	540	4,026	93
70 - 74	3,489	1.8	27	3,462	287	440	2,660	75
75 - 79	2,822	1.5	56	2,766	285	428	2,006	47
80 and Over	3,675	1.9	127	3,548	329	652	2,479	88
Unknown Age	5,852	3.1	21	5,831	339	624	4,651	217

**TABLE 10(P) Safety Equipment Used**

	Total		Injury Severity of Person					Uninjured (O)
	Number	Percent	Killed (K)	Serious (A)	Moderate (B)	Minor (C)	Unk Injury	
<b>Motor Vehicle Occupants</b>	<b>613,139</b>	<b>100.0</b>	<b>661</b>	<b>8,294</b>	<b>14,451</b>	<b>117,518</b>	<b>3,896</b>	<b>468,319</b>
No Restraint Used	18,510	3.0	139	900	1,036	4,814	191	11,430
Air Bag Deployed	4,094	0.7	100	333	466	1,481	34	1,680
with Child Restraint	205	<0.1	2	7	30	40	11	115
with Harness	1,300	0.2	9	53	125	520	12	581
with Lap Belt	2,082	0.3	11	88	198	934	22	829
with Lap Belt & Harness	27,131	4.4	148	1,345	2,896	10,629	181	11,932
Child Restraint Only	18,179	3.0	5	65	355	1,492	324	15,938
Harness	5,693	0.9	5	93	95	1,491	73	3,936
Lap Belt	28,408	4.6	9	455	492	7,528	455	19,469
Lap Belt & Harness	452,880	73.9	169	4,404	7,922	81,101	2,184	357,100
Other	172	<0.1	1	8	10	24	1	128
Unknown	54,485	8.9	63	543	826	7,464	408	45,181
<b>Motorcyclists</b>	<b>5,544</b>	<b>100.0</b>	<b>183</b>	<b>1,140</b>	<b>1,540</b>	<b>2,023</b>	<b>46</b>	<b>612</b>
No Helmet Used	578	10.4	16	120	143	251	5	43
Helmet Used	4,434	80.0	156	935	1,260	1,581	27	475
Unknown	532	9.6	11	85	137	191	14	94
<b>Bicyclists</b>	<b>6,118</b>	<b>100.0</b>	<b>36</b>	<b>662</b>	<b>1,836</b>	<b>3,166</b>	<b>145</b>	<b>273</b>
No Helmet Used	2,523	41.2	18	282	833	1,275	30	85
Helmet Used	841	13.7	4	119	281	399	15	23
Unknown	2,754	45.0	14	261	722	1,492	100	165