

New York State Department of Motor Vehicles Summary of Motor Vehicle Crashes

2011 Statewide Statistical Summary

TABLE 1 Crash Summary Totals		
Category Totals	All Crashes	Police Reported
Total Crashes	307,550	257,066
Fatal Crashes	1,077	1,077
Non-Fatal Personal Injury Crashes	128,036	116,575
Reportable Property Damage Crashes	178,437	139,414
Vehicles	543,080	453,658
Drivers Involved	505,648	424,384
Vehicle Occupants	708,256	608,444
Special Crash Series		
Pedestrian/Motor Vehicle Crashes	15,928	15,283
Bicycle/Motor Vehicle Crashes	6,076	5,819
Motorcycle Crashes	5,336	4,855
Fatalities		
Persons Killed (1)	1,153	1,153
Drivers Killed	597	597
Passengers Killed	203	203
Pedestrians Killed	296	296
Bicyclists Killed	57	57
Other	0	0
Non-Fatal Injuries		
Persons Injured (1)	177,445	163,138
Drivers Injured	106,335	96,449
Passengers Injured	48,677	45,326
Pedestrians Injured	15,689	15,027
Bicyclists Injured	5,883	5,624
Other	861	712
(1) Includes pedestrians, bicyclists and all other non-vehicle involved persons as well as vehicle occupants regardless of seating position.		

TABLE 1.1 Statewide Rates	
Fatal Crash Rate/100 Mil Vehicle Miles (VMT)	0.84
Injury Crash Rate/100 Mil Vehicle Miles (VMT)	100.24
Death Rate/100 Mil Vehicle Miles (VMT)	0.90
Injury Rate/100 Mil Vehicle Miles (VMT)	138.92
Death Rate/100,000 Population	5.92
Injury Rate/100,000 Population	911.60
Death Rate/100,000 Licensed Drivers	10.28
Injury Rate/100,000 Licensed Drivers	1582.81

Note: 2011 statewide VMT rates are comparable to 2010 VMT rates, but not to rates prior to 2010 as the methodology used by the NYSDOT to calculate VMT was revised in 2010 to comply with federal guidelines.

TABLE 2(P) Severity of Crash		
	Number	Percent
Total	257,066	100.0
Fatal (K) Crashes	1,077	0.4
Personal Injury Crashes		
Serious (A)	10,055	3.9
Moderate (B)	17,427	6.8
Minor (C)	84,836	33.0
Unknown Severity	4,257	1.7
Property Damage (O) Crashes	139,414	54.2

General Notes

- * Some of the tables are based upon information received from police and motorist reports of motor vehicle crashes. Others are based only on the police reports; these are indicated by a (P).
- * The Property Damage Crash 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 Crashes	Time of Day								
		Mid-3am	3am-6am	6am-9am	9am-Noon	Noon-3pm	3pm-6pm	6pm-9pm	9pm-Mid	Unknown
Total	307,550	13,241	11,939	37,548	41,961	53,017	67,869	44,544	26,133	11,298
Sunday										
Total	33,846	2,978	2,590	2,534	4,092	6,217	6,003	4,936	3,140	1,356
Fatal	176	24	35	14	20	24	22	24	13	0
Personal Injury	14,436	1,313	1,158	1,013	1,714	2,789	2,778	2,169	1,327	175
Property Damage	19,234	1,641	1,397	1,507	2,358	3,404	3,203	2,743	1,800	1,181
Monday										
Total	42,399	1,317	1,338	6,241	6,076	7,164	9,728	5,902	3,050	1,583
Fatal	146	12	11	18	16	19	29	22	19	0
Personal Injury	17,790	570	468	2,395	2,638	3,154	4,366	2,666	1,333	200
Property Damage	24,463	735	859	3,828	3,422	3,991	5,333	3,214	1,698	1,383
Tuesday										
Total	45,778	1,219	1,135	6,606	6,309	7,622	10,963	6,745	3,493	1,686
Fatal	128	8	5	15	11	26	25	19	18	1
Personal Injury	19,236	515	357	2,607	2,619	3,421	4,879	3,136	1,472	230
Property Damage	26,414	696	773	3,984	3,679	4,175	6,059	3,590	2,003	1,455
Wednesday										
Total	46,571	1,366	1,306	6,574	6,657	7,723	11,017	6,827	3,501	1,600
Fatal	142	8	14	16	12	32	22	23	15	0
Personal Injury	19,395	562	427	2,577	2,739	3,478	4,829	3,021	1,552	210
Property Damage	27,034	796	865	3,981	3,906	4,213	6,166	3,783	1,934	1,390
Thursday										
Total	45,092	1,453	1,308	6,183	6,125	7,234	10,575	6,854	3,716	1,644
Fatal	139	8	10	15	8	25	33	17	22	1
Personal Injury	18,664	592	394	2,411	2,647	3,182	4,576	3,019	1,606	237
Property Damage	26,289	853	904	3,757	3,470	4,027	5,966	3,818	2,088	1,406
Friday										
Total	51,808	1,848	1,672	6,335	6,938	9,139	11,978	7,409	4,677	1,812
Fatal	163	19	10	16	17	21	22	28	30	0
Personal Injury	21,074	774	592	2,406	2,840	3,884	5,136	3,174	2,048	220
Property Damage	30,571	1,055	1,070	3,913	4,081	5,234	6,820	4,207	2,599	1,592
Saturday										
Total	42,056	3,060	2,590	3,075	5,764	7,918	7,605	5,871	4,556	1,617
Fatal	183	28	31	11	16	18	30	26	23	0
Personal Injury	17,441	1,269	1,114	1,177	2,390	3,332	3,400	2,616	1,955	188
Property Damage	24,432	1,763	1,445	1,887	3,358	4,568	4,175	3,229	2,578	1,429

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TABLE 4(P) Police Investigating Agency					
	Total Crashes		Severity Class of Crash		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total	257,066	100.0	1,077	116,575	139,414
State Police	46,832	18.2	229	14,290	32,313
County Police	75,297	29.3	383	28,158	46,756
New York City Police (NYPD)	52,369	20.4	250	41,659	10,460
Municipal Police (non-NYC)	82,562	32.1	215	32,462	49,885
Unknown	6	<0.1	0	6	0

TABLE 5 Jurisdictional Road System					
	Total Crashes		Severity Class of Crash		
	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 Crashes		Severity Class of Crash		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total	307,550	100.0	1,077	128,036	178,437
Single Vehicle Crashes	98,836	32.1	649	40,962	57,225
Two Vehicle Crashes	187,097	60.8	351	73,650	113,096
3 or More Vehicle Crashes	21,617	7.0	77	13,424	8,116

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TABLE 7(P) Crash Contributing Factors					
	Total Crashes		Severity Class of Crash		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total Crashes	257,066	100.0	1,077	116,575	139,414
Crashes With No Factor Reported	17,970	7.0	117	12,690	5,163
Crashes With One or More Factors Reported	239,096	93.0	960	103,885	134,251
Crashes With Human Factors	198,818	77.3	914	94,307	103,597
Aggressive Driving/Road Rage	1,675	0.7	16	1,082	577
Alcohol Involvement*	7,934	3.1	129	4,127	3,678
Backing Unsafely	9,593	3.7	7	1,899	7,687
Cell Phone (hand held)	526	0.2	1	262	263
Cell Phone (hands free)	48	<0.1	0	26	22
Driver Inattention/Distraction	49,917	19.4	125	25,040	24,752
Driver Inexperience	5,664	2.2	29	3,012	2,623
Drugs (Illegal)	615	0.2	9	365	241
Eating or Drinking**	50	<0.1	0	21	29
Failure to Keep Right	5,188	2.0	97	2,420	2,671
Failure to Yield R.O.W.	39,417	15.3	144	20,493	18,780
Fatigued/Drowsy	1,290	0.5	3	694	593
Fell Asleep	3,319	1.3	20	1,613	1,686
Following too Closely	42,700	16.6	21	20,787	21,892
Illness	1,085	0.4	19	807	259
Listening/Using Headphones**	3	<0.1	0	2	1
Lost Consciousness	1,051	0.4	17	870	164
Other Electronic Device	196	0.1	0	111	85
Outside Car Distraction	1,027	0.4	2	561	464
Passenger Distraction	727	0.3	5	433	289
Passing or Lane Usage Improper	12,534	4.9	78	4,315	8,141
Passing too Closely**	219	0.1	0	65	154
Pedestrian/Bicyclist/Other Ped Error/Confusion	5,324	2.1	144	5,167	13
Physical Disability	420	0.2	2	283	135
Prescription Medication	459	0.2	4	265	190
Reaction to Other Uninvolved Vehicle	8,694	3.4	15	4,001	4,678
Texting**	35	<0.1	0	11	24
Traffic Control Disregarded	10,244	4.0	72	6,358	3,814
Turning Improperly	9,740	3.8	25	4,060	5,655
Unsafe Lane Changing	10,166	4.0	49	3,530	6,587
Unsafe Speed*	27,547	10.7	280	12,493	14,774
Using On Board Navigation Device**	48	<0.1	0	13	35
Other Human	215	0.1	1	101	113
Crashes With Vehicular Factors	10,748	4.2	53	5,203	5,492
Accelerator Defective	328	0.1	2	196	130
Brakes Defective	1,913	0.7	4	1,104	805
Driverless/Runaway Vehicle	235	0.1	0	115	120
Headlights Defective	69	<0.1	0	44	25
Other Lighting Defects	103	<0.1	4	49	50
Oversized Vehicle	836	0.3	2	238	596
Steering Failure	639	0.2	1	285	353
Tinted Windows**	9	<0.1	0	4	5
Tire Failure/Inadequate	1,630	0.6	10	603	1,017
Tow Hitch Defective	75	<0.1	0	20	55
Windshield Inadequate	38	<0.1	1	12	25
Other Vehicular	5,160	2.0	30	2,707	2,423
Crashes With Environmental Factors	57,869	22.5	109	16,067	41,693
Animal's Action	22,645	8.8	6	2,255	20,384
Glare	2,454	1.0	11	1,271	1,172
Lane Marking Improper/Inadequate	159	0.1	0	57	102
Obstruction/Debris	2,157	0.8	6	734	1,417
Pavement Defective	499	0.2	3	294	202
Pavement Slippery	24,995	9.7	53	9,177	15,765
Shoulders Defective/Improper	86	<0.1	0	40	46
Traffic Control Device Improper/Non-Working	295	0.1	1	181	113
View Obstructed/Limited	5,645	2.2	33	2,539	3,073
Other Environmental	56	<0.1	0	14	42

* These numbers represent the total number of crashes 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 crashes that occurred in the state. For data on the total number of alcohol-related crashes in New York State, see the separate report titled, "Summary of Alcohol-Related Motor Vehicle Crashes." For data on the total number of speed-related crashes in New York State, see the separate report titled, "Summary of Speed-Related Motor Vehicle Crashes."

** New contributing factor as of October 2010.

Note: Many crashes have multiple factors reported.

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TABLE 8 Driver Age and Gender					
	Total Drivers		Drivers by Severity of Crash		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total Drivers	505,648	100.0	1,531	222,790	281,327
Male	284,845	56.3	1,116	129,766	153,963
Under 16	25	<0.1	0	15	10
16 - 17	5,617	1.1	22	2,204	3,391
18 - 20	20,843	4.1	68	8,616	12,159
21 - 24	28,668	5.7	118	12,739	15,811
25 - 29	29,606	5.9	123	14,089	15,394
30 - 34	26,297	5.2	94	12,881	13,322
35 - 39	24,244	4.8	98	11,740	12,406
40 - 44	27,044	5.3	106	12,998	13,940
45 - 49	28,761	5.7	99	13,521	15,141
50 - 54	26,540	5.2	105	12,196	14,239
55 - 59	21,615	4.3	82	9,731	11,802
60 - 64	16,444	3.3	73	7,225	9,146
65 - 69	10,276	2.0	33	4,318	5,925
70 - 74	6,830	1.4	24	2,755	4,051
75 - 79	4,831	1.0	29	1,895	2,907
80 and Over	6,097	1.2	40	2,358	3,699
Unknown Age	1,107	0.2	2	485	620
Female	191,109	37.8	362	84,186	106,561
Under 16	12	<0.1	0	6	6
16 - 17	4,605	0.9	7	1,792	2,806
18 - 20	15,361	3.0	26	6,540	8,795
21 - 24	20,819	4.1	35	9,016	11,768
25 - 29	20,708	4.1	35	9,794	10,879
30 - 34	17,200	3.4	30	8,346	8,824
35 - 39	15,875	3.1	22	7,719	8,134
40 - 44	17,895	3.5	26	8,157	9,712
45 - 49	18,346	3.6	21	8,157	10,168
50 - 54	16,603	3.3	34	7,394	9,175
55 - 59	13,072	2.6	27	5,455	7,590
60 - 64	10,499	2.1	23	4,164	6,312
65 - 69	6,863	1.4	23	2,709	4,131
70 - 74	4,746	0.9	12	1,786	2,948
75 - 79	3,549	0.7	12	1,313	2,224
80 and Over	4,533	0.9	28	1,699	2,806
Unknown Age	423	0.1	1	139	283
Unknown Gender	29,694	5.9	53	8,838	20,803

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Age Group	Persons Killed & Injured		Persons Killed	Persons Injured by Severity				
	Number	Percent		Total	Serious (A)	Moderate (B)	Minor (C)	Unk Injury
Total	178,598	100.0	1,153	177,445	12,012	20,718	140,794	3,921
Under 5	2,594	1.5	5	2,589	130	442	1,738	279
5 - 9	3,797	2.1	14	3,783	219	592	2,843	129
10 - 13	4,023	2.3	9	4,014	257	670	2,972	115
14 - 17	7,371	4.1	33	7,338	539	1,364	5,255	180
18 - 20	13,204	7.4	71	13,133	1,032	2,178	9,686	237
21 - 24	18,311	10.3	112	18,199	1,349	2,459	14,019	372
25 - 29	19,048	10.7	112	18,936	1,293	2,299	14,977	367
30 - 34	15,696	8.8	62	15,634	982	1,565	12,757	330
35 - 39	13,387	7.5	68	13,319	823	1,209	11,033	254
40 - 44	14,296	8.0	77	14,219	870	1,314	11,771	264
45 - 49	14,648	8.2	76	14,572	904	1,235	12,140	293
50 - 54	13,490	7.6	101	13,389	878	1,202	11,063	246
55 - 59	10,517	5.9	71	10,446	687	971	8,611	177
60 - 64	7,989	4.5	72	7,917	562	755	6,463	137
65 - 69	5,088	2.8	52	5,036	373	511	4,051	101
70 - 74	3,422	1.9	41	3,381	245	411	2,658	67
75 - 79	2,553	1.4	49	2,504	201	381	1,881	41
80 and Over	3,475	1.9	97	3,378	335	573	2,393	77
Unknown Age	5,689	3.2	31	5,658	333	587	4,483	255

	Total		Injury Severity of Person					
	Number	Percent	Killed (K)	Serious (A)	Moderate (B)	Minor (C)	Unk Injury	Uninjured (O)
Motor Vehicle Occupants	603,106	100.0	632	7,862	13,910	112,174	3,266	465,262
No Restraint Used	17,833	3.0	128	844	1,043	4,483	163	11,172
Air Bag Deployed	4,200	0.7	87	382	449	1,515	44	1,723
with Child Restraint	233	<0.1	0	3	27	49	8	146
with Harness	1,269	0.2	14	60	116	515	10	554
with Lap Belt	1,953	0.3	8	98	154	830	21	842
with Lap Belt & Harness	27,700	4.6	152	1,212	2,827	10,782	189	12,538
Child Restraint Only	17,969	3.0	5	95	333	1,538	234	15,764
Harness	4,740	0.8	5	56	105	1,119	55	3,400
Lap Belt	25,195	4.2	5	374	478	6,246	347	17,745
Lap Belt & Harness	449,636	74.6	151	4,146	7,575	78,087	1,813	357,864
Other	139	<0.1	3	2	8	18	3	105
Unknown	52,239	8.7	74	590	795	6,992	379	43,409
Motorcyclists	5,338	100.0	168	1,058	1,446	1,993	66	607
No Helmet Used	560	10.5	9	112	167	209	13	50
Helmet Used	4,287	80.3	150	869	1,174	1,586	37	471
Unknown	491	9.2	9	77	105	198	16	86
Bicyclists	5,913	100.0	57	605	1,764	3,108	147	232
No Helmet Used	2,451	41.5	34	270	719	1,324	32	72
Helmet Used	923	15.6	4	100	325	452	13	29
Unknown	2,539	42.9	19	235	720	1,332	102	131