

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

2013 Statewide Statistical Summary

TABLE 1 Crash Summary Totals		
Category Totals	All Crashes	Police Reported
Total Crashes	304,804	259,740
Fatal Crashes	1,109	1,109
Non-Fatal Personal Injury Crashes	124,505	114,592
Reportable Property Damage Crashes	179,190	144,039
Vehicles	534,968	456,745
Drivers Involved	497,857	426,279
Vehicle Occupants	696,981	609,490
Special Crash Series		
Pedestrian/Motor Vehicle Crashes	16,432	15,892
Bicycle/Motor Vehicle Crashes	6,328	6,097
Motorcycle Crashes	5,190	4,772
Fatalities		
Persons Killed (1)	1,188	1,188
Drivers Killed	625	625
Passengers Killed	178	178
Pedestrians Killed	344	344
Bicyclists Killed	40	40
Other	1	1
Non-Fatal Injuries		
Persons Injured (1)	169,177	157,099
Drivers Injured	101,317	92,712
Passengers Injured	45,003	42,343
Pedestrians Injured	16,278	15,721
Bicyclists Injured	6,140	5,924
Other	439	399
(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)	0.85
Injury Crash Rate/100 Mil Vehicle Miles (VMT)	95.97
Death Rate/100 Mil Vehicle Miles (VMT)	0.92
Injury Rate/100 Mil Vehicle Miles (VMT)	130.40
Death Rate/100,000 Population	6.05
Injury Rate/100,000 Population	860.90
Death Rate/100,000 Licensed Drivers	10.40
Injury Rate/100,000 Licensed Drivers	1480.74

Note: 2013 statewide VMT rates are comparable to 2010-2012 VMT rates, but not to rates prior to 2010 as the methodology used by the NYS DOT to calculate VMT was revised in 2010 to comply with federal guidelines.

TABLE 2(P) Severity of Crash		
	Number	Percent
Total	259,740	100.0
Fatal (K) Crashes	1,109	0.4
Personal Injury Crashes		
Serious (A)	9,814	3.8
Moderate (B)	17,018	6.6
Minor (C)	82,880	31.9
Unknown Severity	4,880	1.9
Property Damage (O) Crashes	144,039	55.5

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	304,804	12,503	12,050	38,513	41,131	52,879	67,277	44,875	25,750	9,826
Sunday										
Total	33,473	2,897	2,564	2,314	4,054	6,099	6,101	5,024	3,171	1,249
Fatal	188	40	42	11	17	22	24	20	12	0
Personal Injury	13,887	1,211	1,058	863	1,651	2,688	2,714	2,207	1,339	156
Property Damage	19,398	1,646	1,464	1,440	2,386	3,389	3,363	2,797	1,820	1,093
Monday										
Total	43,336	1,238	1,388	6,200	6,013	7,559	10,296	6,172	3,099	1,371
Fatal	144	9	11	18	20	23	25	26	11	1
Personal Injury	17,947	504	472	2,406	2,550	3,352	4,494	2,705	1,291	173
Property Damage	25,245	725	905	3,776	3,443	4,184	5,777	3,441	1,797	1,197
Tuesday										
Total	46,710	1,286	1,343	7,204	6,531	7,864	10,739	6,836	3,442	1,465
Fatal	136	7	6	16	21	28	18	23	17	0
Personal Injury	18,894	523	396	2,707	2,754	3,380	4,613	2,947	1,397	177
Property Damage	27,680	756	941	4,481	3,756	4,456	6,108	3,866	2,028	1,288
Wednesday										
Total	44,452	1,294	1,465	6,998	6,151	7,309	10,156	6,570	3,142	1,367
Fatal	147	14	11	21	11	25	20	29	15	1
Personal Injury	18,214	513	456	2,742	2,545	3,213	4,411	2,809	1,354	171
Property Damage	26,091	767	998	4,235	3,595	4,071	5,725	3,732	1,773	1,195
Thursday										
Total	44,933	1,300	1,352	6,379	6,040	7,491	10,529	6,657	3,764	1,421
Fatal	144	17	13	14	17	10	21	26	26	0
Personal Injury	18,395	512	432	2,381	2,551	3,324	4,594	2,818	1,608	175
Property Damage	26,394	771	907	3,984	3,472	4,157	5,914	3,813	2,130	1,246
Friday										
Total	51,257	1,717	1,585	6,326	6,734	8,979	12,017	7,737	4,586	1,576
Fatal	169	17	15	13	20	21	35	29	19	0
Personal Injury	20,518	717	560	2,448	2,751	3,757	4,968	3,173	1,913	231
Property Damage	30,570	983	1,010	3,865	3,963	5,201	7,014	4,535	2,654	1,345
Saturday										
Total	40,643	2,771	2,353	3,092	5,608	7,578	7,439	5,879	4,546	1,377
Fatal	181	28	26	13	13	16	28	28	29	0
Personal Injury	16,650	1,174	947	1,178	2,242	3,261	3,330	2,471	1,878	169
Property Damage	23,812	1,569	1,380	1,901	3,353	4,301	4,081	3,380	2,639	1,208

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TABLE 4(P) Police Investigating Agency					
	Total Crashes		Severity Class of Crash		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total	259,740	100.0	1,109	114,592	144,039
State Police	48,013	18.5	247	13,555	34,211
County Police	76,386	29.4	355	27,359	48,672
New York City Police (NYPD)	52,621	20.3	281	42,062	10,278
Municipal Police (non-NYC)	82,720	31.8	226	31,616	50,878
Unknown	0	0.0	0	0	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	304,804	100.0	1,109	124,505	179,190
Single Vehicle Crashes	101,607	33.3	698	40,809	60,100
Two Vehicle Crashes	181,573	59.6	320	70,210	111,043
3 or More Vehicle Crashes	21,624	7.1	91	13,486	8,047

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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	259,740	100.00	1,109	114,592	144,039
Crashes With No Factor Reported	16,162	6.2	118	11,491	4,553
Crashes With One or More Factors Reported	243,578	93.8	991	103,101	139,486
Crashes With Human Factors	203,457	78.3	955	94,717	107,785
Aggressive Driving/Road Rage	1,492	0.6	11	975	506
Alcohol Involvement*	7,857	3.0	132	4,097	3,628
Backing Unsafely	10,839	4.2	11	1,916	8,912
Cell Phone (hand held)	604	0.2	3	311	290
Cell Phone (hands free)	68	<0.1	0	35	33
Driver Inattention/Distracted	49,781	19.2	127	25,098	24,556
Driver Inexperience	5,795	2.2	29	3,000	2,766
Drugs (Illegal)	640	0.2	9	359	272
Eating or Drinking**	114	<0.1	1	49	64
Failure to Keep Right	4,890	1.9	111	2,119	2,660
Failure to Yield R.O.W.	40,975	15.8	165	21,355	19,455
Fatigued/Drowsy	1,228	0.5	7	662	559
Fell Asleep	3,244	1.2	14	1,588	1,642
Following too Closely	43,951	16.9	17	20,977	22,957
Illness	1,139	0.4	19	847	273
Listening/Using Headphones**	39	<0.1	1	34	4
Lost Consciousness	1,111	0.4	26	906	179
Other Electronic Device	196	0.1	1	108	87
Outside Car Distraction	1,027	0.4	4	546	477
Passenger Distraction	729	0.3	5	460	264
Passing or Lane Usage Improper	13,242	5.1	89	4,395	8,758
Passing too Closely**	1,161	0.4	2	508	651
Pedestrian/Bicyclist/Other Ped Error/Confusion	5,265	2.0	155	5,089	21
Physical Disability	390	0.2	2	257	131
Prescription Medication	366	0.1	2	194	170
Reaction to Other Uninvolved Vehicle	8,229	3.2	8	3,620	4,601
Texting**	79	<0.1	1	43	35
Traffic Control Disregarded	10,834	4.2	68	6,835	3,931
Turning Improperly	10,149	3.9	25	4,082	6,042
Unsafe Lane Changing	10,820	4.2	35	3,785	7,000
Unsafe Speed*	28,502	11.0	313	12,613	15,576
Using On Board Navigation Device**	105	<0.1	0	56	49
Other Human	130	0.1	0	67	63
Crashes With Vehicular Factors	10,101	3.9	43	4,824	5,234
Accelerator Defective	287	0.1	1	145	141
Brakes Defective	1,804	0.7	2	996	806
Driverless/Runaway Vehicle	194	0.1	3	96	95
Headlights Defective	55	<0.1	2	29	24
Other Lighting Defects	128	<0.1	2	72	54
Oversized Vehicle	725	0.3	2	212	511
Steering Failure	677	0.3	1	301	375
Tinted Windows**	25	<0.1	0	16	9
Tire Failure/Inadequate	1,567	0.6	9	543	1,015
Tow Hitch Defective	94	<0.1	1	21	72
Windshield Inadequate	31	<0.1	0	18	13
Other Vehicular	4,769	1.8	22	2,500	2,247
Crashes With Environmental Factors	56,884	21.9	97	14,386	42,401
Animal's Action	24,121	9.3	5	2,054	22,062
Glare	2,648	1.0	9	1,410	1,229
Lane Marking Improper/Inadequate	161	0.1	0	54	107
Obstruction/Debris	1,801	0.7	1	577	1,223
Pavement Defective	350	0.1	1	210	139
Pavement Slippery	23,491	9.0	52	8,119	15,320
Shoulders Defective/Improper	72	<0.1	1	35	36
Traffic Control Device Improper/Non-Working	230	0.1	2	132	96
View Obstructed/Limited	4,893	1.9	29	2,164	2,700
Other Environmental	30	<0.1	0	14	16

* 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	497,857	100.0	1,574	216,044	280,239
Male	279,872	56.2	1,135	125,103	153,634
Under 16	99	<0.1	0	62	37
16 - 17	5,155	1.0	21	1,950	3,184
18 - 20	18,815	3.8	72	7,539	11,204
21 - 24	28,140	5.7	129	12,089	15,922
25 - 29	29,915	6.0	123	13,812	15,980
30 - 34	26,062	5.2	102	12,397	13,563
35 - 39	23,280	4.7	96	11,185	11,999
40 - 44	24,801	5.0	87	11,652	13,062
45 - 49	26,508	5.3	104	12,474	13,930
50 - 54	26,451	5.3	86	12,129	14,236
55 - 59	22,385	4.5	76	10,074	12,235
60 - 64	16,869	3.4	67	7,173	9,629
65 - 69	11,863	2.4	61	4,984	6,818
70 - 74	7,565	1.5	32	2,964	4,569
75 - 79	5,038	1.0	27	1,959	3,052
80 and Over	6,107	1.2	50	2,305	3,752
Unknown Age	819	0.2	2	355	462
Female	189,712	38.1	382	81,917	107,413
Under 16	29	<0.1	1	17	11
16 - 17	4,419	0.9	2	1,721	2,696
18 - 20	13,856	2.8	30	5,594	8,232
21 - 24	20,709	4.2	29	8,863	11,817
25 - 29	20,746	4.2	31	9,542	11,173
30 - 34	17,822	3.6	30	8,594	9,198
35 - 39	15,466	3.1	38	7,329	8,099
40 - 44	16,482	3.3	28	7,410	9,044
45 - 49	17,312	3.5	35	7,679	9,598
50 - 54	16,760	3.4	31	7,204	9,525
55 - 59	13,674	2.7	30	5,662	7,982
60 - 64	10,672	2.1	23	4,260	6,389
65 - 69	7,710	1.5	21	2,932	4,757
70 - 74	5,275	1.1	16	1,945	3,314
75 - 79	3,742	0.8	10	1,394	2,338
80 and Over	4,722	0.9	27	1,667	3,028
Unknown Age	316	0.1	0	104	212
Unknown Gender	28,273	5.7	57	9,024	19,192

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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	170,365	100.0	1,188	169,177	11,609	20,076	133,478	4,014
Under 5	2,384	1.4	16	2,368	89	391	1,537	351
5 - 9	3,669	2.2	11	3,658	163	558	2,757	180
10 - 13	3,650	2.1	7	3,643	223	580	2,729	111
14 - 17	6,844	4.0	26	6,818	495	1,265	4,877	181
18 - 20	11,092	6.5	89	11,003	852	1,839	8,121	191
21 - 24	17,081	10.0	120	16,961	1,321	2,432	12,882	326
25 - 29	18,283	10.7	111	18,172	1,254	2,291	14,234	393
30 - 34	15,451	9.1	87	15,364	958	1,576	12,460	370
35 - 39	12,703	7.5	66	12,637	798	1,166	10,408	265
40 - 44	12,619	7.4	58	12,561	766	1,150	10,398	247
45 - 49	13,678	8.0	80	13,598	820	1,240	11,266	272
50 - 54	13,423	7.9	80	13,343	837	1,170	11,089	247
55 - 59	10,758	6.3	75	10,683	769	985	8,720	209
60 - 64	8,109	4.8	75	8,034	614	760	6,503	157
65 - 69	5,627	3.3	72	5,555	440	628	4,387	100
70 - 74	3,642	2.1	48	3,594	270	464	2,777	83
75 - 79	2,625	1.5	42	2,583	240	362	1,935	46
80 and Over	3,464	2.0	111	3,353	375	620	2,273	85
Unknown Age	5,263	3.1	14	5,249	325	599	4,125	200

	Total		Injury Severity of Person					
	Number	Percent	Killed (K)	Serious (A)	Moderate (B)	Minor (C)	Unk Injury	Uninjured (O)
Motor Vehicle Occupants	604,310	100.0	637	7,541	12,990	106,843	3,309	472,990
No Restraint Used	17,134	2.8	103	739	972	4,216	167	10,937
Air Bag Deployed	3,947	0.7	119	311	429	1,425	64	1,599
with Child Restraint	343	0.1	0	5	29	76	10	223
with Harness	1,157	0.2	4	55	123	465	14	496
with Lap Belt	2,014	0.3	6	99	152	821	31	905
with Lap Belt & Harness	29,046	4.8	191	1,253	2,716	11,242	136	13,508
Child Restraint Only	17,644	2.9	11	58	295	1,382	298	15,600
Harness	3,942	0.7	2	49	70	918	44	2,859
Lap Belt	25,901	4.3	2	317	464	6,441	374	18,303
Lap Belt & Harness	448,725	74.3	135	4,108	7,079	73,882	1,794	361,727
Other	190	<0.1	1	0	6	29	2	152
Unknown	54,267	9.0	63	547	655	5,946	375	46,681
Motorcyclists	5,180	100.0	166	997	1,399	1,914	62	642
No Helmet Used	576	11.1	17	106	150	215	10	78
Helmet Used	4,161	80.3	140	829	1,154	1,537	40	461
Unknown	443	8.6	9	62	95	162	12	103
Bicyclists	6,170	100.0	40	620	1,842	3,310	152	206
No Helmet Used	2,623	42.5	30	309	826	1,366	30	62
Helmet Used	1,110	18.0	3	112	378	560	33	24
Unknown	2,437	39.5	7	199	638	1,384	89	120