

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

2012 Statewide Statistical Summary

TABLE 1 Crash Summary Totals		
Category Totals	All Crashes	Police Reported
Total Crashes	294,757	251,000
Fatal Crashes	1,082	1,082
Non-Fatal Personal Injury Crashes	123,296	112,918
Reportable Property Damage Crashes	170,379	137,000
Vehicles	517,779	440,623
Drivers Involved	483,487	412,637
Vehicle Occupants	676,007	588,749
Special Crash Series		
Pedestrian/Motor Vehicle Crashes	15,832	15,223
Bicycle/Motor Vehicle Crashes	6,137	5,912
Motorcycle Crashes	5,916	5,375
Fatalities		
Persons Killed (1)	1,163	1,163
Drivers Killed	612	612
Passengers Killed	194	194
Pedestrians Killed	312	312
Bicyclists Killed	45	45
Other	0	0
Non-Fatal Injuries		
Persons Injured (1)	169,206	156,438
Drivers Injured	101,605	92,681
Passengers Injured	45,532	42,571
Pedestrians Injured	15,607	14,996
Bicyclists Injured	5,929	5,730
Other	533	460
<small>(1) Includes pedestrians, bicyclists and all other non-vehicle involved persons as well as vehicle occupants regardless of seating position.</small>		

TABLE 1.1 Statewide Rates	
Fatal Crash Rate/100 Mil Vehicle Miles (VMT)	0.85
Injury Crash Rate/100 Mil Vehicle Miles (VMT)	96.42
Death Rate/100 Mil Vehicle Miles (VMT)	0.91
Injury Rate/100 Mil Vehicle Miles (VMT)	132.33
Death Rate/100,000 Population	5.94
Injury Rate/100,000 Population	864.61
Death Rate/100,000 Licensed Drivers	10.34
Injury Rate/100,000 Licensed Drivers	1504.24

Note: 2012 statewide VMT rates are comparable to 2010 & 2011 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	251,000	100.0
Fatal (K) Crashes	1,082	0.4
Personal Injury Crashes		
Serious (A)	10,201	4.1
Moderate (B)	17,465	7.0
Minor (C)	80,570	32.1
Unknown Severity	4,682	1.9
Property Damage (O) Crashes	137,000	54.6

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	294,757	12,765	11,716	35,711	39,699	51,504	65,189	43,485	25,040	9,648
Sunday										
Total	33,628	3,044	2,549	2,225	3,907	6,187	6,133	5,196	3,181	1,206
Fatal	179	29	27	11	14	27	21	32	17	1
Personal Injury	14,236	1,336	1,108	842	1,591	2,714	2,760	2,327	1,392	166
Property Damage	19,213	1,679	1,414	1,372	2,302	3,446	3,352	2,837	1,772	1,039
Monday										
Total	41,017	1,338	1,303	5,956	5,774	6,924	9,442	5,869	3,083	1,328
Fatal	158	16	12	24	17	12	31	34	12	0
Personal Injury	17,461	591	450	2,290	2,501	3,135	4,281	2,631	1,370	212
Property Damage	23,398	731	841	3,642	3,256	3,777	5,130	3,204	1,701	1,116
Tuesday										
Total	42,323	1,161	1,115	6,121	5,843	7,237	10,184	6,186	3,084	1,392
Fatal	128	9	3	16	18	10	20	26	26	0
Personal Injury	17,994	470	353	2,425	2,600	3,248	4,566	2,764	1,359	209
Property Damage	24,201	682	759	3,680	3,225	3,979	5,598	3,396	1,699	1,183
Wednesday										
Total	42,720	1,196	1,172	5,875	5,725	7,440	10,198	6,344	3,368	1,402
Fatal	144	16	14	14	15	18	21	25	21	0
Personal Injury	18,016	454	399	2,370	2,537	3,268	4,508	2,835	1,439	206
Property Damage	24,560	726	759	3,491	3,173	4,154	5,669	3,484	1,908	1,196
Thursday										
Total	44,041	1,467	1,428	6,210	5,788	7,058	10,373	6,817	3,525	1,375
Fatal	153	16	12	14	13	23	25	27	22	1
Personal Injury	18,220	560	478	2,441	2,481	3,042	4,579	2,952	1,491	196
Property Damage	25,668	891	938	3,755	3,294	3,993	5,769	3,838	2,012	1,178
Friday										
Total	49,805	1,634	1,609	6,012	6,677	8,660	11,734	7,393	4,528	1,558
Fatal	147	13	9	11	24	18	22	31	19	0
Personal Injury	20,547	669	598	2,290	2,853	3,707	5,077	3,123	1,999	231
Property Damage	29,111	952	1,002	3,711	3,800	4,935	6,635	4,239	2,510	1,327
Saturday										
Total	41,223	2,925	2,540	3,312	5,985	7,998	7,125	5,680	4,271	1,387
Fatal	173	22	32	5	13	25	25	23	28	0
Personal Injury	16,822	1,281	1,037	1,191	2,342	3,422	3,087	2,452	1,826	184
Property Damage	24,228	1,622	1,471	2,116	3,630	4,551	4,013	3,205	2,417	1,203

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TABLE 4(P) Police Investigating Agency					
	Total Crashes		Severity Class of Crash		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total	251,000	100.0	1,082	112,918	137,000
State Police	45,378	18.1	245	13,492	31,641
County Police	74,736	29.8	367	27,655	46,714
New York City Police (NYPD)	50,633	20.2	253	40,264	10,116
Municipal Police (non-NYC)	80,251	32.0	217	31,506	48,528
Unknown	2	<0.1	0	1	1

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	294,757	100.0	1,082	123,296	170,379
Single Vehicle Crashes	97,456	33.1	639	40,629	56,188
Two Vehicle Crashes	176,539	59.9	365	69,781	106,393
3 or More Vehicle Crashes	20,762	7.0	78	12,886	7,798

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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	251,000	100.0	1,082	112,918	137,000
Crashes With No Factor Reported	16,758	6.7	117	11,770	4,871
Crashes With One or More Factors Reported	234,242	93.3	965	101,148	132,129
Crashes With Human Factors	196,395	78.2	924	92,940	102,531
Aggressive Driving/Road Rage	1,591	0.6	10	1,025	556
Alcohol Involvement*	8,138	3.2	140	4,299	3,699
Backing Unsafely	9,826	3.9	8	1,858	7,960
Cell Phone (hand held)	593	0.2	2	302	289
Cell Phone (hands free)	45	<0.1	0	27	18
Driver Inattention/Distracted	48,714	19.4	148	24,304	24,262
Driver Inexperience	5,655	2.3	26	2,992	2,637
Drugs (Illegal)	651	0.3	13	356	282
Eating or Drinking**	77	<0.1	0	33	44
Failure to Keep Right	4,943	2.0	101	2,261	2,581
Failure to Yield R.O.W.	39,736	15.8	151	21,020	18,565
Fatigued/Drowsy	1,374	0.5	8	728	638
Fell Asleep	3,399	1.4	20	1,689	1,690
Following too Closely	42,246	16.8	19	20,180	22,047
Illness	1,145	0.5	19	855	271
Listening/Using Headphones**	18	<0.1	1	16	1
Lost Consciousness	1,099	0.4	30	889	180
Other Electronic Device	208	0.1	2	108	98
Outside Car Distraction	1,065	0.4	3	571	491
Passenger Distraction	726	0.3	3	433	290
Passing or Lane Usage Improper	12,600	5.0	99	4,321	8,180
Passing too Closely**	632	0.3	3	237	392
Pedestrian/Bicyclist/Other Ped Error/Confusion	5,309	2.1	135	5,155	19
Physical Disability	431	0.2	6	284	141
Prescription Medication	430	0.2	1	266	163
Reaction to Other Uninvolved Vehicle	8,254	3.3	6	3,821	4,427
Texting**	64	<0.1	0	29	35
Traffic Control Disregarded	10,509	4.2	68	6,569	3,872
Turning Improperly	10,043	4.0	18	4,190	5,835
Unsafe Lane Changing	10,460	4.2	46	3,753	6,661
Unsafe Speed*	25,950	10.3	300	11,864	13,786
Using On Board Navigation Device**	61	<0.1	0	20	41
Other Human	152	0.1	1	79	72
Crashes With Vehicular Factors	10,334	4.1	41	4,942	5,351
Accelerator Defective	285	0.1	0	173	112
Brakes Defective	1,897	0.8	4	1,035	858
Driverless/Runaway Vehicle	237	0.1	0	112	125
Headlights Defective	57	<0.1	1	43	13
Other Lighting Defects	120	<0.1	1	66	53
Oversized Vehicle	751	0.3	1	210	540
Steering Failure	675	0.3	0	289	386
Tinted Windows**	12	<0.1	0	6	6
Tire Failure/Inadequate	1,692	0.7	9	606	1,077
Tow Hitch Defective	80	<0.1	0	19	61
Windshield Inadequate	32	<0.1	0	15	17
Other Vehicular	4,741	1.9	25	2,505	2,211
Crashes With Environmental Factors	52,102	20.8	89	13,564	38,449
Animal's Action	23,255	9.3	4	2,214	21,037
Glare	2,243	0.9	7	1,211	1,025
Lane Marking Improper/Inadequate	134	0.1	0	55	79
Obstruction/Debris	1,871	0.7	7	607	1,257
Pavement Defective	259	0.1	0	155	104
Pavement Slippery	19,845	7.9	45	7,154	12,646
Shoulders Defective/Improper	71	<0.1	0	36	35
Traffic Control Device Improper/Non-Working	472	0.2	2	296	174
View Obstructed/Limited	4,776	1.9	27	2,181	2,568
Other Environmental	42	<0.1	0	19	23

* 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	483,487	100.0	1,595	213,594	268,298
Male	272,401	56.3	1,175	123,794	147,432
Under 16	84	<0.1	1	46	37
16 - 17	5,432	1.1	19	2,047	3,366
18 - 20	19,081	3.9	87	7,813	11,181
21 - 24	27,411	5.7	126	12,155	15,130
25 - 29	28,704	5.9	127	13,567	15,010
30 - 34	24,985	5.2	84	12,171	12,730
35 - 39	22,855	4.7	86	11,116	11,653
40 - 44	24,892	5.1	90	11,921	12,881
45 - 49	26,596	5.5	121	12,493	13,982
50 - 54	25,471	5.3	116	11,776	13,579
55 - 59	21,300	4.4	77	9,651	11,572
60 - 64	16,062	3.3	73	7,019	8,970
65 - 69	10,929	2.3	38	4,527	6,364
70 - 74	6,825	1.4	42	2,790	3,993
75 - 79	4,782	1.0	21	1,899	2,862
80 and Over	5,988	1.2	65	2,335	3,588
Unknown Age	1,004	0.2	2	468	534
Female	183,832	38.0	345	81,061	102,426
Under 16	29	<0.1	0	17	12
16 - 17	4,469	0.9	6	1,819	2,644
18 - 20	14,199	2.9	25	6,088	8,086
21 - 24	19,958	4.1	41	8,628	11,289
25 - 29	19,798	4.1	30	9,347	10,421
30 - 34	16,840	3.5	27	8,176	8,637
35 - 39	15,158	3.1	24	7,264	7,870
40 - 44	16,367	3.4	28	7,489	8,850
45 - 49	17,137	3.5	29	7,713	9,395
50 - 54	16,089	3.3	32	7,026	9,031
55 - 59	13,073	2.7	24	5,603	7,446
60 - 64	10,176	2.1	21	4,081	6,074
65 - 69	7,168	1.5	13	2,774	4,381
70 - 74	4,828	1.0	15	1,849	2,964
75 - 79	3,448	0.7	9	1,291	2,148
80 and Over	4,707	1.0	21	1,773	2,913
Unknown Age	388	0.1	0	123	265
Unknown Gender	27,254	5.6	75	8,739	18,440

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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	170,369	100.0	1,163	169,206	12,163	20,765	132,563	3,715
Under 5	2,527	1.5	11	2,516	116	455	1,646	299
5 - 9	3,588	2.1	7	3,581	186	619	2,620	156
10 - 13	3,651	2.1	15	3,636	232	610	2,684	110
14 - 17	6,979	4.1	41	6,938	509	1,328	4,970	131
18 - 20	11,990	7.0	68	11,922	979	1,977	8,763	203
21 - 24	17,247	10.1	122	17,125	1,315	2,599	12,856	355
25 - 29	17,985	10.6	104	17,881	1,289	2,192	14,028	372
30 - 34	14,994	8.8	65	14,929	1,027	1,599	11,993	310
35 - 39	12,711	7.5	63	12,648	838	1,186	10,378	246
40 - 44	13,097	7.7	75	13,022	850	1,250	10,676	246
45 - 49	13,671	8.0	89	13,582	971	1,223	11,122	266
50 - 54	13,071	7.7	87	12,984	925	1,252	10,582	225
55 - 59	10,635	6.2	69	10,566	782	1,020	8,571	193
60 - 64	7,842	4.6	70	7,772	555	794	6,281	142
65 - 69	5,283	3.1	52	5,231	400	546	4,194	91
70 - 74	3,486	2.0	62	3,424	284	415	2,654	71
75 - 79	2,614	1.5	32	2,582	207	359	1,971	45
80 and Over	3,616	2.1	115	3,501	337	658	2,429	77
Unknown Age	5,382	3.2	16	5,366	361	683	4,145	177

	Total		Injury Severity of Person					
	Number	Percent	Killed (K)	Serious (A)	Moderate (B)	Minor (C)	Unk Injury	Uninjured (O)
Motor Vehicle Occupants	582,856	100.0	642	7,723	13,430	105,933	3,091	452,037
No Restraint Used	17,515	3.0	121	820	877	4,292	202	11,203
Air Bag Deployed	4,075	0.7	86	369	470	1,487	50	1,613
with Child Restraint	271	<0.1	2	4	35	64	7	159
with Harness	1,250	0.2	6	63	116	485	16	564
with Lap Belt	2,081	0.4	9	93	202	867	20	890
with Lap Belt & Harness	27,782	4.8	196	1,333	2,691	10,843	176	12,543
Child Restraint Only	17,207	3.0	3	68	358	1,395	219	15,164
Harness	4,274	0.7	6	60	78	1,030	50	3,050
Lap Belt	23,898	4.1	9	322	424	5,840	322	16,981
Lap Belt & Harness	434,473	74.5	139	4,048	7,451	73,150	1,694	347,991
Other	193	<0.1	1	2	5	49	0	136
Unknown	49,837	8.6	64	541	723	6,431	335	41,743
Motorcyclists	5,893	100.0	164	1,193	1,662	2,167	53	654
No Helmet Used	629	10.7	15	116	179	231	12	76
Helmet Used	4,736	80.4	136	1,004	1,367	1,710	35	484
Unknown	528	9.0	13	73	116	226	6	94
Bicyclists	5,976	100.0	45	585	1,793	3,210	142	201
No Helmet Used	2,500	41.8	22	273	749	1,333	40	83
Helmet Used	947	15.8	10	93	320	487	19	18
Unknown	2,529	42.3	13	219	724	1,390	83	100