

**New York State Department of Motor Vehicles
Summary of Motor Vehicle Accidents
2002 Statewide Statistical Summary**

TABLE 1 Accident Summary Totals

Category Totals	All Accidents	Police Reported
Total Accidents	253,710	175,218
Fatal Accidents	1,390	1,390
Non-Fatal Personal Injury Accidents	179,132	157,477
Reportable Property Damage Accidents	73,188	16,351
Vehicles	470,685	342,977
Drivers Involved	421,899	300,327
Vehicle Occupants	618,077	471,602
Special Accident Series		
Pedestrian/Motor Vehicle Accidents	17,270	16,801
Bicycle/Motor Vehicle Accidents	6,077	5,955
Motorcycle Accidents	4,269	3,965
Fatalities		
Persons Killed (1)	1,509	1,509
Drivers Killed	809	809
Passengers Killed	337	337
Pedestrians Killed	326	326
Bicyclists Killed	34	34
Other	3	3
Non-Fatal Injuries		
Persons Injured (1)	262,884	234,470
Drivers Injured	155,805	135,712
Passengers Injured	82,626	75,096
Pedestrians Injured	17,214	16,745
Bicyclists Injured	5,992	5,885
Other	1,247	1,032

(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 Acc Rate/100 Mil Vehicle Miles	1.04
Injury Acc Rate/100 Mil Vehicle Miles	134.63
Death Rate/100 Mil Vehicle Miles	1.13
Injury Rate/100 Mil Vehicle Miles	197.57
Death Rate/100,000 Population	7.89
Injury Rate/100,000 Population	1373.89
Death Rate/100,000 Licensed Drivers	13.69
Injury Rate/100,000 Licensed Drivers	2385.18

TABLE 2(P) Severity of Accident

	Number	Percent
Total	175,218	100.0
Fatal (K) Accidents	1,390	0.8
Personal Injury Accidents		
Serious (A)	12,748	7.3
Moderate (B)	26,049	14.9
Minor (C)	113,061	64.5
Unknown Severity	5,619	3.2
Property Damage (O) Accidents	16,351	9.3

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
Total	253,710	10,900	8,841	26,685	30,991	42,739	55,526	36,709	22,904	18,415
Sunday										
Total	28,344	2,353	1,952	1,630	2,969	4,923	5,245	4,234	2,908	2,130
Fatal	223	35	41	20	21	24	35	24	16	7
Personal Injury	20,527	1,808	1,461	1,160	2,079	3,598	3,936	3,152	2,216	1,117
Property Damage	7,594	510	450	450	869	1,301	1,274	1,058	676	1,006
Monday										
Total	36,564	1,214	981	4,555	4,794	6,219	8,412	4,867	2,846	2,676
Fatal	184	13	7	14	28	29	32	22	33	6
Personal Injury	25,683	908	616	2,996	3,299	4,487	6,174	3,669	2,164	1,370
Property Damage	10,697	293	358	1,545	1,467	1,703	2,206	1,176	649	1,300
Tuesday										
Total	36,294	1,077	894	4,634	4,611	5,983	8,335	5,192	2,965	2,603
Fatal	177	14	16	22	15	27	35	19	25	4
Personal Injury	25,549	814	578	3,105	3,196	4,336	6,060	3,814	2,307	1,339
Property Damage	10,568	249	300	1,507	1,400	1,620	2,240	1,359	633	1,260
Wednesday										
Total	37,164	1,096	921	4,745	4,563	6,062	8,609	5,543	2,955	2,670
Fatal	201	16	9	17	23	27	30	40	33	6
Personal Injury	26,007	828	571	3,246	3,179	4,364	6,231	4,057	2,186	1,345
Property Damage	10,956	252	341	1,482	1,361	1,671	2,348	1,446	736	1,319
Thursday										
Total	38,035	1,255	924	4,533	4,838	6,380	8,505	5,602	3,285	2,713
Fatal	168	20	7	15	17	14	34	31	25	5
Personal Injury	26,604	913	595	3,047	3,362	4,566	6,130	4,140	2,494	1,357
Property Damage	11,263	322	322	1,471	1,459	1,800	2,341	1,431	766	1,351
Friday										
Total	42,085	1,521	1,242	4,331	4,809	6,880	9,905	6,374	3,997	3,026
Fatal	229	14	11	28	24	29	34	43	43	3
Personal Injury	29,505	1,129	786	2,966	3,329	5,028	7,150	4,633	3,000	1,484
Property Damage	12,351	378	445	1,337	1,456	1,823	2,721	1,698	954	1,539
Saturday										
Total	35,224	2,384	1,927	2,257	4,407	6,292	6,515	4,897	3,948	2,597
Fatal	208	29	37	13	19	19	32	19	32	8
Personal Injury	25,257	1,851	1,415	1,603	3,049	4,587	4,875	3,590	2,926	1,361
Property Damage	9,759	504	475	641	1,339	1,686	1,608	1,288	990	1,228

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TABLE 4(P) Police Investigating Agency					
	Total Accidents		Severity Class of Accident		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total	175,218	100.0	1,390	157,477	16,351
State Police	20,793	11.9	339	17,456	2,998
County Police	40,625	23.2	439	35,107	5,079
New York City Police (NYPD)	68,160	38.9	328	64,191	3,641
Municipal Police (non-NYC)	45,605	26.0	283	40,698	4,624
Other	5	<0.1	0	1	4
Unknown	30	<0.1	1	24	5

TABLE 5 Jurisdictional Road System					
	Total Accidents		Severity Class of Accident		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total	253,710	100.0	1,390	179,132	73,188
State Routes	53,608	21.1	464	35,820	17,324
County Routes	14,688	5.8	161	9,730	4,797
Town Routes	37,411	14.7	210	24,009	13,192
Municipal Streets	114,624	45.2	370	88,068	26,186
Parkways	12,330	4.9	76	9,072	3,182
Thruway	3,281	1.3	26	1,947	1,308
Other Interstates	13,451	5.3	78	9,263	4,110
Unknown	4,317	1.7	5	1,223	3,089

TABLE 6 Manner of Collision					
	Total Accidents		Severity Class of Accident		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total	253,710	100.0	1,390	179,132	73,188
Single Vehicle Accidents	66,257	26.1	786	48,363	17,108
Two Vehicle Accidents	164,015	64.6	493	111,075	52,447
3 or More Vehicle Accidents	23,438	9.2	111	19,694	3,633

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TABLE 7(P) Selected Accident Contributing Factors					
	Total Accidents		Severity Class of Accident		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total Accidents	175,218	100.0	1,390	157,477	16,351
Accidents With No Factor Reported	29,444	16.8	202	27,146	2,096
Accidents With One or More Factors Reported	145,774	83.2	1,188	130,331	14,255
Accidents With Human Factors	128,565	73.4	1,121	115,538	11,906
Aggressive Driving/Road Rage*	1,146	0.7	15	1,085	46
Alcohol Involvement	6,072	3.5	219	5,640	213
Backing Unsafely	2,434	1.4	5	1,984	445
Cell Phone (hand held)*	174	0.1	1	160	13
Cell Phone (hands free)*	42	<0.1	0	37	5
Driver Inattention/Distracton	32,867	18.8	127	30,088	2,652
Driver Inexperience	4,355	2.5	49	4,003	303
Drugs (Illegal)	297	0.2	6	279	12
Failure to Keep Right	2,062	1.2	73	1,858	131
Failure to Yield R.O.W.	29,219	16.7	166	26,042	3,011
Fatigued/Drowsy	915	0.5	9	731	175
Fell Asleep	2,564	1.5	38	1,949	577
Following Too Closely	23,722	13.5	17	21,782	1,923
Illness	695	0.4	8	624	63
Lost Consciousness	858	0.5	12	783	63
Other Electronic Device*	49	<0.1	0	45	4
Outside Car Distraction*	583	0.3	4	547	32
Passenger Distraction*	658	0.4	4	615	39
Passing or Lane Usage Improper	5,494	3.1	84	4,587	823
Pedestrian/Bicyclist/Other Ped Error/Confusion	5,369	3.1	121	5,246	2
Physical Disability	272	0.2	2	248	22
Prescription Medication	208	0.1	3	181	24
Reaction to Other Uninvolved Vehicle*	3,571	2.0	7	3,291	273
Traffic Control Disregarded	9,538	5.4	101	8,769	668
Turning Improperly	5,666	3.2	23	4,926	717
Unsafe Lane Changing	4,918	2.8	47	4,170	701
Unsafe Speed	17,236	9.8	401	15,590	1,245
Other Human	4,770	2.7	36	4,288	446
Accidents With Vehicular Factors	8,314	4.7	54	7,544	716
Accelerator Defective	203	0.1	0	190	13
Brakes Defective	1,423	0.8	3	1,335	85
Driverless/Runaway Vehicle	86	<0.1	3	74	9
Headlights Defective	49	<0.1	2	44	3
Other Lighting Defects	99	0.1	1	89	9
Oversized Vehicle	224	0.1	1	158	65
Steering Failure	350	0.2	3	312	35
Tire Failure/Inadequate	757	0.4	17	664	76
Tow Hitch Defective	30	<0.1	1	16	13
Windshield Inadequate	24	<0.1	0	20	4
Other Vehicular	5,244	3.0	26	4,803	415
Accidents With Environmental Factors	26,419	15.1	132	22,812	3,475
Animal's Action	3,567	2.0	4	2,686	877
Glare	1,900	1.1	13	1,719	168
Lane Marking Improper/Inadequate	83	<0.1	0	70	13
Obstruction/Debris	979	0.6	3	867	109
Pavement Defective	349	0.2	1	324	24
Pavement Slippery	16,117	9.2	82	14,141	1,894
Shoulders Defective/Improper	77	<0.1	0	72	5
Traffic Control Device Improper/Non-Working	338	0.2	0	319	19
View Obstructed/Limited	3,380	1.9	30	2,946	404
Other Environmental	451	0.3	2	396	53

* New Category as of July 2001.

Note: Many accidents have multiple factors reported.

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TABLE 8 Driver Age and Gender					
	Total Drivers		Drivers by Severity of Accident		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total Drivers	421,899	100.0	2,003	308,191	111,705
Male	263,754	62.5	1,491	194,301	67,962
Under 16	209	<0.1	4	171	34
16 - 17	7,910	1.9	54	5,639	2,217
18 - 20	20,189	4.8	135	15,195	4,859
21 - 24	26,171	6.2	170	20,206	5,795
25 - 29	28,679	6.8	161	22,438	6,080
30 - 34	29,129	6.9	159	22,617	6,353
35 - 39	30,366	7.2	152	23,279	6,935
40 - 44	28,695	6.8	145	21,607	6,943
45 - 49	24,469	5.8	123	17,793	6,553
50 - 54	19,432	4.6	104	13,769	5,559
55 - 59	14,761	3.5	82	10,117	4,562
60 - 64	10,121	2.4	50	6,902	3,169
65 - 69	7,162	1.7	43	4,705	2,414
70 - 74	5,724	1.4	28	3,585	2,111
75 - 79	4,608	1.1	39	2,698	1,871
80 and Over	4,334	1.0	41	2,717	1,576
Unknown Age	1,795	0.4	1	863	931
Female	157,835	37.4	507	113,745	43,583
Under 16	90	<0.1	4	72	14
16 - 17	6,128	1.5	28	4,524	1,576
18 - 20	13,416	3.2	57	10,212	3,147
21 - 24	15,671	3.7	48	11,915	3,708
25 - 29	16,175	3.8	32	12,477	3,666
30 - 34	16,841	4.0	43	12,931	3,867
35 - 39	18,009	4.3	42	13,418	4,549
40 - 44	17,282	4.1	43	12,455	4,784
45 - 49	14,389	3.4	46	10,092	4,251
50 - 54	11,536	2.7	36	7,910	3,590
55 - 59	8,543	2.0	26	5,690	2,827
60 - 64	5,645	1.3	25	3,592	2,028
65 - 69	3,937	0.9	16	2,473	1,448
70 - 74	3,751	0.9	15	2,237	1,499
75 - 79	3,059	0.7	23	1,810	1,226
80 and Over	2,780	0.7	23	1,725	1,032
Unknown Age	583	0.1	0	212	371
Unknown Gender	310	0.1	5	145	160

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TABLE 9 Persons Killed or Injured by Age Group

Age Group	Total Persons		Persons Killed	Persons Injured
	Number	Percent		
Total	264,393	100.0	1,509	262,884
Under 5	3,488	1.3	21	3,467
5 - 9	6,775	2.6	20	6,755
10 - 13	6,972	2.6	12	6,960
14 - 17	16,190	6.1	101	16,089
18 - 20	23,270	8.8	150	23,120
21 - 24	27,682	10.5	150	27,532
25 - 29	27,456	10.4	106	27,350
30 - 34	26,266	9.9	111	26,155
35 - 39	25,389	9.6	108	25,281
40 - 44	23,607	8.9	113	23,494
45 - 49	18,927	7.2	104	18,823
50 - 54	15,280	5.8	86	15,194
55 - 59	11,152	4.2	60	11,092
60 - 64	7,551	2.9	59	7,492
65 - 69	5,467	2.1	53	5,414
70 - 74	4,605	1.7	48	4,557
75 - 79	3,869	1.5	82	3,787
80 and Over	4,006	1.5	96	3,910
Unknown Age	6,441	2.4	29	6,412

TABLE 10(P) Safety Equipment Used

	Total		Injury Severity of Vehicle Occupant					
	Number	Percent	Killed (K)	Serious (A)	Moderate (B)	Minor (C)	Unk Injury	Uninjured (O)
Motor Vehicle Occupants	467,148	100.0	1,007	10,962	24,522	165,871	5,425	259,361
No Restraint Used	27,307	5.8	333	1,927	2,655	9,954	390	12,048
Air Bag Deployed	2,755	0.6	79	313	490	1,210	32	631
with Child Restraint	68	<0.1	0	1	9	20	2	36
with Harness	1,492	0.3	3	96	257	747	18	371
with Lap Belt	1,150	0.2	2	56	219	561	16	296
with Lap Belt & Harness	17,849	3.8	109	1,064	3,372	8,735	196	4,373
Child Restraint Only	10,138	2.2	2	71	458	1,193	67	8,347
Harness	13,533	2.9	26	289	531	5,138	184	7,365
Lap Belt	35,786	7.7	15	686	1,190	12,317	597	20,981
Lap Belt & Harness	301,038	64.4	278	5,266	13,461	109,531	3,280	169,222
Other	79	<0.1	0	2	3	24	0	50
Unknown	55,953	12.0	160	1,191	1,877	16,441	643	35,641
Motorcyclists	4,454	100.0	139	971	1,309	1,653	95	287
No Helmet Used	755	17.0	26	173	210	293	27	26
Helmet Used	3,104	69.7	103	700	955	1,137	44	165
Unknown	595	13.4	10	98	144	223	24	96
Bicyclists	6,065	100.0	34	647	1,900	3,171	167	146
No Helmet Used	2,038	33.6	21	228	669	1,043	42	35
Helmet Used	347	5.7	2	40	142	153	5	5
Unknown	3,680	60.7	11	379	1,089	1,975	120	106