

New York State Department of Motor Vehicles Summary of Bicycle/Motor Vehicle Accidents

2002

TABLE 1 Bicycle/Motor Vehicle Accidents		
	All Accidents	Police Reported
Category Totals		
Total Accidents	6,077	5,955
Fatal Accidents	34	34
Non-Fatal Personal Injury Accidents	6,024	5,918
Reportable Property Damage Accidents	19	3
Vehicles		
Vehicles	6,212	6,089
Drivers Involved	5,060	4,969
Vehicle Occupants	7,238	7,131
Special Bicycle Accident Series		
Bicycle/Pedestrian/Motor Vehicle Accidents	8	8
Bicycle/Motorcycle Accidents	19	19
Fatalities		
Persons Killed (1)	34	34
Drivers Killed	0	0
Passengers Killed	0	0
Pedestrians Killed	0	0
Bicyclists Killed	34	34
Other	0	0
Non-Fatal Injuries		
Persons Injured (1)	6,185	6,078
Drivers Injured	104	104
Passengers Injured	79	79
Pedestrians Injured	7	7
Bicyclists Injured	5,992	5,885
Other	3	3
(1) Includes pedestrians, bicyclists and all other non-vehicle involved persons as well as vehicle occupants regardless of seating position.		

TABLE 2(P) Severity of Accident		
	Number	Percent
Total	5,955	100.0
Fatal (K) Accidents	34	0.6
Personal Injury Accidents		
Serious (A)	647	10.9
Moderate (B)	1,897	31.9
Minor (C)	3,122	52.4
Unknown Severity	252	4.2
Property Damage (O) Accidents	3	0.1

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.

**New York State Department of Motor Vehicles
Summary of Bicycle/Motor Vehicle Accidents**

2002

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
	6,077	141	63	390	555	1,042	1,651	1,399	631	205
Sunday										
<i>Total</i>	676	39	12	20	63	120	160	157	81	24
Fatal	9	3	1	0	1	1	1	2	0	0
Personal Injury	664	36	11	19	61	119	158	155	81	24
Property Damage	3	0	0	1	1	0	1	0	0	0
Monday										
<i>Total</i>	914	19	7	80	87	139	242	204	106	30
Fatal	5	0	0	0	0	1	2	1	1	0
Personal Injury	908	19	7	80	87	138	239	203	105	30
Property Damage	1	0	0	0	0	0	1	0	0	0
Tuesday										
<i>Total</i>	940	15	7	64	78	161	253	233	92	37
Fatal	3	0	0	2	0	1	0	0	0	0
Personal Injury	934	14	7	62	78	159	252	233	92	37
Property Damage	3	1	0	0	0	1	1	0	0	0
Wednesday										
<i>Total</i>	928	11	7	63	99	165	261	213	80	29
Fatal	2	0	0	0	0	0	1	1	0	0
Personal Injury	922	11	7	62	99	164	258	212	80	29
Property Damage	4	0	0	1	0	1	2	0	0	0
Thursday										
<i>Total</i>	912	13	11	71	76	140	235	237	96	33
Fatal	5	0	0	0	0	1	0	3	1	0
Personal Injury	905	13	10	71	76	139	235	234	95	32
Property Damage	2	0	1	0	0	0	0	0	0	1
Friday										
<i>Total</i>	932	19	9	70	77	163	292	192	80	30
Fatal	4	0	0	0	1	1	1	1	0	0
Personal Injury	923	19	9	70	76	162	288	191	80	28
Property Damage	5	0	0	0	0	0	3	0	0	2
Saturday										
<i>Total</i>	775	25	10	22	75	154	208	163	96	22
Fatal	6	0	0	0	2	1	2	1	0	0
Personal Injury	768	25	10	22	73	153	206	161	96	22
Property Damage	1	0	0	0	0	0	0	1	0	0

**New York State Department of Motor Vehicles
Summary of Bicycle/Motor Vehicle Accidents**

2002

TABLE 4(P) Police Investigating Agency					
	Total Accidents		Severity Class of Accident		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total	5,955	100.0	34	5,918	3
State Police	119	2.0	2	117	0
County Police	926	15.5	10	915	1
New York City Police (NYPD)	3,221	54.1	18	3,203	0
Municipal Police (non-NYC)	1,689	28.4	4	1,683	2
Other	0	0.0	0	0	0
Unknown	0	0.0	0	0	0

TABLE 5 Jurisdictional Road System					
	Total Accidents		Severity Class of Accident		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total	6,077	100.0	34	6,024	19
State Routes	569	9.4	5	562	2
County Routes	172	2.8	4	168	0
Town Routes	739	12.2	4	731	4
Municipal Streets	4,533	74.6	21	4,499	13
Parkways	23	0.4	0	23	0
Thruway	2	<0.1	0	2	0
Other Interstates	16	0.3	0	16	0
Unknown	23	0.4	0	23	0

TABLE 6 Manner of Collision					
	Total Accidents		Severity Class of Accident		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total	6,077	100.0	34	6,024	19
Single Vehicle Accidents	5,958	98.0	31	5,908	19
Two Vehicle Accidents	105	1.7	3	102	0
3 or More Vehicle Accidents	14	0.2	0	14	0

**New York State Department of Motor Vehicles
Summary of Bicycle/Motor Vehicle Accidents
2002**

TABLE 7(P) Accident Contributing Factors					
	Total Accidents		Severity Class of Accident		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total Accidents	5,955	100.0	34	5,918	3
Accidents With No Factor Reported	1,702	28.6	6	1,696	0
Accidents With One or More Factors Reported	4,253	71.4	28	4,222	3
Accidents With Human Factors	4,042	67.9	26	4,013	3
Aggressive Driving/Road Rage*	27	0.5	0	27	0
Alcohol Involvement	113	1.9	3	110	0
Backing Unsafely	44	0.7	0	44	0
Cell Phone (hand held)*	1	<0.1	0	1	0
Cell Phone (hands free)*	0	0.0	0	0	0
Driver Inattention/Distraction	1,157	19.4	2	1,154	1
Driver Inexperience	80	1.3	0	80	0
Drugs (Illegal)	4	0.1	0	4	0
Failure to Keep Right	51	0.9	0	50	1
Failure to Yield R.O.W.	965	16.2	3	962	0
Fatigued/Drowsy	2	<0.1	0	2	0
Fell Asleep	1	<0.1	0	1	0
Following Too Closely	56	0.9	0	56	0
Illness	4	0.1	0	4	0
Lost Consciousness	2	<0.1	0	2	0
Other Electronic Device*	6	0.1	0	6	0
Outside Car Distraction*	7	0.1	0	7	0
Passenger Distraction*	30	0.5	0	30	0
Passing or Lane Usage Improper	223	3.7	3	220	0
Pedestrian/Bicyclist/Other Ped Error/Confusion	1,751	29.4	11	1,738	2
Physical Disability	2	<0.1	0	2	0
Prescription Medication	3	0.1	1	2	0
Reaction to Other Uninvolved Vehicle*	22	0.4	0	22	0
Traffic Control Disregarded	382	6.4	5	377	0
Turning Improperly	116	1.9	0	116	0
Unsafe Lane Changing	74	1.2	3	71	0
Unsafe Speed	103	1.7	3	100	0
Other Human	159	2.7	2	157	0
Accidents With Vehicular Factors	219	3.7	1	218	0
Accelerator Defective	1	<0.1	0	1	0
Brakes Defective	52	0.9	0	52	0
Driverless/Runaway Vehicle	0	0.0	0	0	0
Headlights Defective	7	0.1	0	7	0
Other Lighting Defects	8	0.1	0	8	0
Oversized Vehicle	4	0.1	0	4	0
Steering Failure	1	<0.1	0	1	0
Tire Failure/Inadequate	3	0.1	0	3	0
Tow Hitch Defective	0	0.0	0	0	0
Windshield Inadequate	0	0.0	0	0	0
Other Vehicular	144	2.4	1	143	0
Accidents With Environmental Factors	343	5.8	2	341	0
Animal's Action	2	<0.1	0	2	0
Glare	59	1.0	0	59	0
Lane Marking Improper/Inadequate	3	0.1	0	3	0
Obstruction/Debris	14	0.2	0	14	0
Pavement Defective	5	0.1	0	5	0
Pavement Slippery	60	1.0	1	59	0
Shoulders Defective/Improper	3	0.1	0	3	0
Traffic Control Device Improper/Non-Working	4	0.1	0	4	0
View Obstructed/Limited	193	3.2	2	191	0
Other Environmental	13	0.2	0	13	0

* New Category as of July 2001.
Note: Many accidents have multiple factors reported.

**New York State Department of Motor Vehicles
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2002

TABLE 8 Driver Age and Gender					
	Total Drivers		Drivers by Severity of Accident		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total Drivers	5,060	100.0	33	5,010	17
Male	3,444	68.1	27	3,405	12
Under 16	5	0.1	0	5	0
16 - 17	48	0.9	0	48	0
18 - 20	165	3.3	2	163	0
21 - 24	261	5.2	3	256	2
25 - 29	387	7.6	4	382	1
30 - 34	416	8.2	3	413	0
35 - 39	443	8.8	1	442	0
40 - 44	414	8.2	3	408	3
45 - 49	355	7.0	3	349	3
50 - 54	284	5.6	1	283	0
55 - 59	209	4.1	4	203	2
60 - 64	170	3.4	1	168	1
65 - 69	112	2.2	1	111	0
70 - 74	71	1.4	0	71	0
75 - 79	36	0.7	0	36	0
80 and Over	51	1.0	1	50	0
Unknown Age	17	0.3	0	17	0
Female	1,612	31.9	6	1,601	5
Under 16	0	0.0	0	0	0
16 - 17	39	0.8	1	38	0
18 - 20	116	2.3	1	114	1
21 - 24	136	2.7	0	136	0
25 - 29	155	3.1	0	155	0
30 - 34	173	3.4	0	173	0
35 - 39	212	4.2	1	211	0
40 - 44	168	3.3	1	167	0
45 - 49	148	2.9	1	147	0
50 - 54	143	2.8	0	143	0
55 - 59	96	1.9	0	94	2
60 - 64	64	1.3	0	64	0
65 - 69	48	0.9	0	48	0
70 - 74	45	0.9	0	45	0
75 - 79	38	0.8	1	35	2
80 and Over	30	0.6	0	30	0
Unknown Age	1	<0.1	0	1	0
Unknown Gender	4	0.1	0	4	0

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Summary of Bicycle/Motor Vehicle Accidents**

2002

Age Group	Total Bicyclists		Bicyclists	
	Number	Percent	Killed	Injured
Total	6,026	100.0	34	5,992
Under 5	31	0.5	1	30
5 - 9	390	6.5	1	389
10 - 13	786	13.0	0	786
14 - 17	929	15.4	5	924
18 - 20	527	8.7	3	524
21 - 24	501	8.3	1	500
25 - 29	409	6.8	2	407
30 - 34	444	7.4	2	442
35 - 39	431	7.2	2	429
40 - 44	399	6.6	5	394
45 - 49	341	5.7	2	339
50 - 54	218	3.6	1	217
55 - 59	129	2.1	1	128
60 - 64	74	1.2	3	71
65 - 69	41	0.7	1	40
70 - 74	31	0.5	2	29
75 - 79	13	0.2	0	13
80 and Over	12	0.2	0	12
Unknown Age	320	5.3	2	318

	Total Bicyclists		Bicyclists by Severity of Injury					
	Number	Percent	Killed (K)	Serious (A)	Moderate (B)	Minor (C)	Unk Injury	Uninjured (O)
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