

New York State Department of Motor Vehicles Summary of Motorcycle Accidents

2002

TABLE 1 Motorcycle Accidents		
Category Totals	All Accidents	Police Reported
Total Accidents	4,269	3,965
Fatal Accidents	141	141
Non-Fatal Personal Injury Accidents	3,958	3,803
Reportable Property Damage Accidents	170	21
Vehicles	7,055	6,515
Drivers Involved	6,580	6,139
Vehicle Occupants	8,265	7,782
Special Motorcycle Accident Series		
Motorcycle/Pedestrian Accidents	88	87
Motorcycle/Bicycle Accidents	19	19
Fatalities		
Persons Killed (1)	144	144
Drivers Killed	133	133
Passengers Killed	7	7
Pedestrians Killed	4	4
Bicyclists Killed	0	0
Other	0	0
Non-Fatal Injuries		
Persons Injured (1)	4,693	4,524
Drivers Injured	4,019	3,865
Passengers Injured	557	544
Pedestrians Injured	85	84
Bicyclists Injured	19	19
Other	13	12
<small>(1) Includes pedestrians, bicyclists and all other non-vehicle involved persons as well as vehicle occupants regardless of seating position</small>		

TABLE 2(P) Severity of Accident		
	Number	Percent
Total	3,965	100.0
Fatal (K) Accidents	141	3.6
Personal Injury Accidents		
Serious (A)	959	24.2
Moderate (B)	1,220	30.8
Minor (C)	1,529	38.6
Unknown Severity	95	2.4
Property Damage (O) Accidents	21	0.5

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	4,269	216	100	224	380	756	1,096	846	492	159
Sunday										
<i>Total</i>	782	56	19	14	98	158	198	136	73	30
Fatal	35	6	0	0	3	3	13	5	3	2
Personal Injury	726	49	19	13	95	152	176	128	69	25
Property Damage	21	1	0	1	0	3	9	3	1	3
Monday										
<i>Total</i>	496	21	9	31	46	76	126	105	66	16
Fatal	13	0	0	0	2	1	3	2	5	0
Personal Injury	459	19	9	27	43	71	120	96	59	15
Property Damage	24	2	0	4	1	4	3	7	2	1
Tuesday										
<i>Total</i>	498	21	14	39	35	78	129	103	60	19
Fatal	16	2	0	3	1	2	4	2	2	0
Personal Injury	462	17	13	33	33	75	123	96	55	17
Property Damage	20	2	1	3	1	1	2	5	3	2
Wednesday										
<i>Total</i>	559	28	12	36	47	84	133	119	79	21
Fatal	22	1	1	0	1	6	1	6	5	1
Personal Injury	512	27	11	35	44	75	127	109	70	14
Property Damage	25	0	0	1	2	3	5	4	4	6
Thursday										
<i>Total</i>	510	13	14	38	40	97	124	100	58	26
Fatal	15	1	0	2	0	1	3	4	3	1
Personal Injury	476	11	14	34	38	91	116	96	54	22
Property Damage	19	1	0	2	2	5	5	0	1	3
Friday										
<i>Total</i>	624	28	9	36	50	94	174	142	70	21
Fatal	15	2	1	0	2	4	0	5	1	0
Personal Injury	586	25	8	34	47	86	172	130	66	18
Property Damage	23	1	0	2	1	4	2	7	3	3
Saturday										
<i>Total</i>	800	49	23	30	64	169	212	141	86	26
Fatal	25	5	2	2	2	1	7	2	3	1
Personal Injury	737	44	20	26	61	161	194	132	79	20
Property Damage	38	0	1	2	1	7	11	7	4	5

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TABLE 4(P) Police Investigating Agency					
	Total Accidents		Severity Class of Accident		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total	3,965	100.0	141	3,803	21
State Police	608	15.3	32	574	2
County Police	1,048	26.4	36	1,008	4
New York City Police (NYPD)	1,255	31.7	42	1,206	7
Municipal Police (non-NYC)	1,054	26.6	31	1,015	8
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	4,269	100.0	141	3,958	170
State Routes	1,016	23.8	35	957	24
County Routes	322	7.5	12	293	17
Town Routes	775	18.2	24	728	23
Municipal Streets	1,732	40.6	37	1,607	88
Parkways	212	5.0	16	189	7
Thruway	23	0.5	1	22	0
Other Interstates	165	3.9	13	145	7
Unknown	24	0.6	3	17	4

TABLE 6 Manner of Collision					
	Total Accidents		Severity Class of Accident		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total	4,269	100.0	141	3,958	170
Single Vehicle Accidents	1,693	39.7	57	1,593	43
Two Vehicle Accidents	2,413	56.5	75	2,217	121
3 or More Vehicle Accidents	163	3.8	9	148	6

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TABLE 7(P) Accident Contributing Factors					
	Total Accidents		Severity Class of Accident		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total Accidents	3,965	100.0	141	3,803	21
Accidents With No Factor Reported	570	14.4	15	551	4
Accidents With One or More Factors Reported	3,395	85.6	126	3,252	17
Accidents With Human Factors	2,827	71.3	121	2,691	15
Aggressive Driving/Road Rage*	66	1.7	5	61	0
Alcohol Involvement	145	3.7	20	124	1
Backing Unsafely	15	0.4	0	15	0
Cell Phone (hand held)*	1	<0.1	0	1	0
Cell Phone (hands free)*	0	0.0	0	0	0
Driver Inattention/Distraction	572	14.4	16	553	3
Driver Inexperience	358	9.0	17	339	2
Drugs (Illegal)	7	0.2	1	6	0
Failure to Keep Right	67	1.7	3	63	1
Failure to Yield R.O.W.	617	15.6	16	595	6
Fatigued/Drowsy	5	0.1	0	5	0
Fell Asleep	4	0.1	1	3	0
Following Too Closely	258	6.5	3	254	1
Illness	4	0.1	0	4	0
Lost Consciousness	7	0.2	0	7	0
Other Electronic Device*	0	0.0	0	0	0
Outside Car Distraction*	11	0.3	0	10	1
Passenger Distraction*	13	0.3	1	12	0
Passing or Lane Usage Improper	233	5.9	12	220	1
Pedestrian/Bicyclist/Other Ped Error/Confusion	32	0.8	1	31	0
Physical Disability	2	0.1	0	2	0
Prescription Medication	3	0.1	0	3	0
Reaction to Other Uninvolved Vehicle*	157	4.0	2	155	0
Traffic Control Disregarded	119	3.0	12	106	1
Turning Improperly	210	5.3	8	200	2
Unsafe Lane Changing	161	4.1	8	153	0
Unsafe Speed	604	15.2	66	538	0
Other Human	122	3.1	1	120	1
Accidents With Vehicular Factors	215	5.4	6	209	0
Accelerator Defective	22	0.6	0	22	0
Brakes Defective	15	0.4	0	15	0
Driverless/Runaway Vehicle	2	0.1	0	2	0
Headlights Defective	4	0.1	1	3	0
Other Lighting Defects	4	0.1	0	4	0
Oversized Vehicle	1	<0.1	0	1	0
Steering Failure	9	0.2	0	9	0
Tire Failure/Inadequate	21	0.5	1	20	0
Tow Hitch Defective	0	0.0	0	0	0
Windshield Inadequate	1	<0.1	0	1	0
Other Vehicular	138	3.5	4	134	0
Accidents With Environmental Factors	609	15.4	3	604	2
Animal's Action	209	5.3	1	207	1
Glare	28	0.7	0	28	0
Lane Marking Improper/Inadequate	4	0.1	0	4	0
Obstruction/Debris	114	2.9	0	114	0
Pavement Defective	42	1.1	1	41	0
Pavement Slippery	121	3.1	1	119	1
Shoulders Defective/Improper	4	0.1	0	4	0
Traffic Control Device Improper/Non-Working	3	0.1	0	3	0
View Obstructed/Limited	93	2.3	1	92	0
Other Environmental	16	0.4	0	16	0

* New Category as of July 2001.

Note: Many accidents have multiple factors reported.

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TABLE 8 Motorcycle Operator Age and Gender					
	Total Motorcycle Operators		Motorcycle Operators by Severity of Accident		
	Number	Percent	Fatal	Personal Injury	Property Damage
Total Motorcycle Operators	4,259	100.0	146	3,973	140
Male	4,051	95.1	142	3,775	134
Under 16	13	0.3	1	12	0
16 - 17	36	0.8	2	34	0
18 - 20	262	6.1	12	241	9
21 - 24	543	12.8	23	509	11
25 - 29	651	15.3	18	610	23
30 - 34	665	15.6	29	612	24
35 - 39	534	12.5	18	492	24
40 - 44	420	9.8	15	396	9
45 - 49	376	8.9	11	351	14
50 - 54	251	5.9	8	233	10
55 - 59	175	4.1	3	167	5
60 - 64	79	1.9	2	74	3
65 - 69	29	0.7	0	28	1
70 - 74	8	0.2	0	8	0
75 - 79	4	0.1	0	3	1
80 and Over	1	<0.1	0	1	0
Unknown Age	4	0.1	0	4	0
Female	208	4.9	4	198	6
Under 16	1	<0.1	0	1	0
16 - 17	2	<0.1	0	2	0
18 - 20	5	0.1	0	4	1
21 - 24	17	0.4	0	17	0
25 - 29	23	0.5	1	20	2
30 - 34	29	0.7	0	29	0
35 - 39	34	0.8	2	32	0
40 - 44	46	1.1	0	46	0
45 - 49	27	0.6	1	26	0
50 - 54	19	0.4	0	16	3
55 - 59	4	0.1	0	4	0
60 - 64	0	0.0	0	0	0
65 - 69	0	0.0	0	0	0
70 - 74	0	0.0	0	0	0
75 - 79	1	<0.1	0	1	0
80 and Over	0	0.0	0	0	0
Unknown Age	0	0.0	0	0	0
Unknown Gender	0	0.0	0	0	0

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Age Group	Total Motorcyclists		Motorcyclists	
	Number	Percent	Killed	Injured
Total	4,323	100.0	139	4,184
Under 5	1	<0.1	0	1
5 - 9	14	0.3	0	14
10 - 13	20	0.5	0	20
14 - 17	69	1.6	4	65
18 - 20	281	6.5	12	269
21 - 24	566	13.1	21	545
25 - 29	659	15.2	17	642
30 - 34	680	15.7	27	653
35 - 39	552	12.8	20	532
40 - 44	469	10.8	14	455
45 - 49	397	9.2	10	387
50 - 54	276	6.4	8	268
55 - 59	184	4.3	3	181
60 - 64	82	1.9	3	79
65 - 69	30	0.7	0	30
70 - 74	8	0.2	0	8
75 - 79	4	0.1	0	4
80 and Over	1	<0.1	0	1
Unknown Age	30	0.7	0	30

	Total Motorcyclists		Injury Severity of Motorcyclist					
	Number	Percent	Killed (K)	Serious (A)	Moderate (B)	Minor (C)	Unk Injury	Uninjured (O)
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	13.3	10	98	144	223	24	96