



TRAFFIC SAFETY STATISTICS

MOTORCYCLES

December 2009

Report Compiled by the
Florida Department of
Highway Safety & Motor Vehicles
Office of Research and Statistics

2008 FLORIDA QUICK FACTS

Fatalities

- | | |
|------------------------------|--------|
| • All | 2,983 |
| • Motorcyclists & Passengers | 532 |
| Percent of All | 17.8 % |

Fatality Rate

- | | |
|--------------------------------------------------------------------|-----|
| • All (per 100 million vehicle miles traveled) | 1.5 |
| • All (per 10,000 motor vehicle registrations) | 1.9 |
| • Motorcyclists & Passengers (per 10,000 motorcycle registrations) | 8.2 |

Injuries

- | | |
|------------------------------|---------|
| • All | 199,657 |
| • Motorcyclists & Passengers | 9,402 |
| Percent of All | 4.7 % |

Injury Rate (per 10,000 Registrations)

- | | |
|------------------------------|-----|
| • All | 125 |
| • Motorcyclists & Passengers | 144 |

Alcohol-Drug Related Fatalities

- | | |
|-----------------------------------------------------------|--------|
| • Motorcyclist Drivers Total Fatalities | 502 |
| • Motorcyclist Drivers Fatalities that Used Alcohol-Drugs | 208 |
| Percent of All | 41.4 % |

Safety Equipment

Fatalities

- | | |
|-------------------------|-----|
| • With Safety Helmet | 292 |
| • Without Safety Helmet | 188 |

Injuries

- | | |
|-------------------------|-------|
| • With Safety Helmet | 5,659 |
| • Without Safety Helmet | 3,362 |
| • Use Not Stated | 381 |

Motorcycle Registrations

- | | |
|--------|---------|
| • 2007 | 647,968 |
| • 2008 | 649,210 |

Definitions:

Motorcycle – A motor vehicle powered by a motor with a displacement of more than 50 cubic centimeters, which travels faster than 30 MPH over level ground, having a seat or saddle for use of the rider and designed to travel on not more than three wheels in contact with the ground, excluding a tractor or a moped.

Motorcyclist – A driver of a motorcycle. A passenger on a motorcycle is considered a vehicle passenger.

Executive Summary

The state of Florida has long been a popular place for motorcycle riders to live and visit. Annual biking events, Florida's year-round temperate climate and the state's beautiful and vast array of highways attract riders from all over the world.

Florida has seen a steady increase in the number of motorcycle fatalities over the last eight years with the exception of 2008. Between 2000 and 2008, there were 3,716 motorcyclists and their passengers killed in traffic crashes, an average of 413 per year or over one per day. In 2008, motorcycle fatalities dropped from the previous year by 3.4 percent representing 17.8 percent of all fatalities in motor vehicle crashes.

The Department hopes this downward trend will continue and our efforts to impact that number include educating the public with the Florida Rider Training Program (FRTTP). The basic Motorcycle Rider Course is a 15-hour class designed to teach beginning motorcyclists of all ages the physical and mental skills necessary to ride a motorcycle. In addition, as of January 1, 2007, all motorcyclists under 21 years of age must display a special license plate that indicates they are under the age 21 and must wear headgear. These measures and an enhanced quality assurance program have in part resulted in a "leveling off" of motorcycle fatalities in 2006 through 2008, with an average of 544 fatalities per year.

A study by the National Highway Traffic Safety Administration concludes that the increase in motorcycle fatalities that occurred after the Florida motorcycle helmet law was repealed in (2002) is due in part to the reduced use of helmets. In 2008, 55 percent of all motorcycle fatalities were wearing helmets; 35 percent did not wear helmets; and 10 percent was not stated in the crash report.

The information on the following pages reflects data from the Florida Crash Reports database as well as annual registrations and licensure numbers, providing insight on motorcycle use and crashes in the state of Florida.

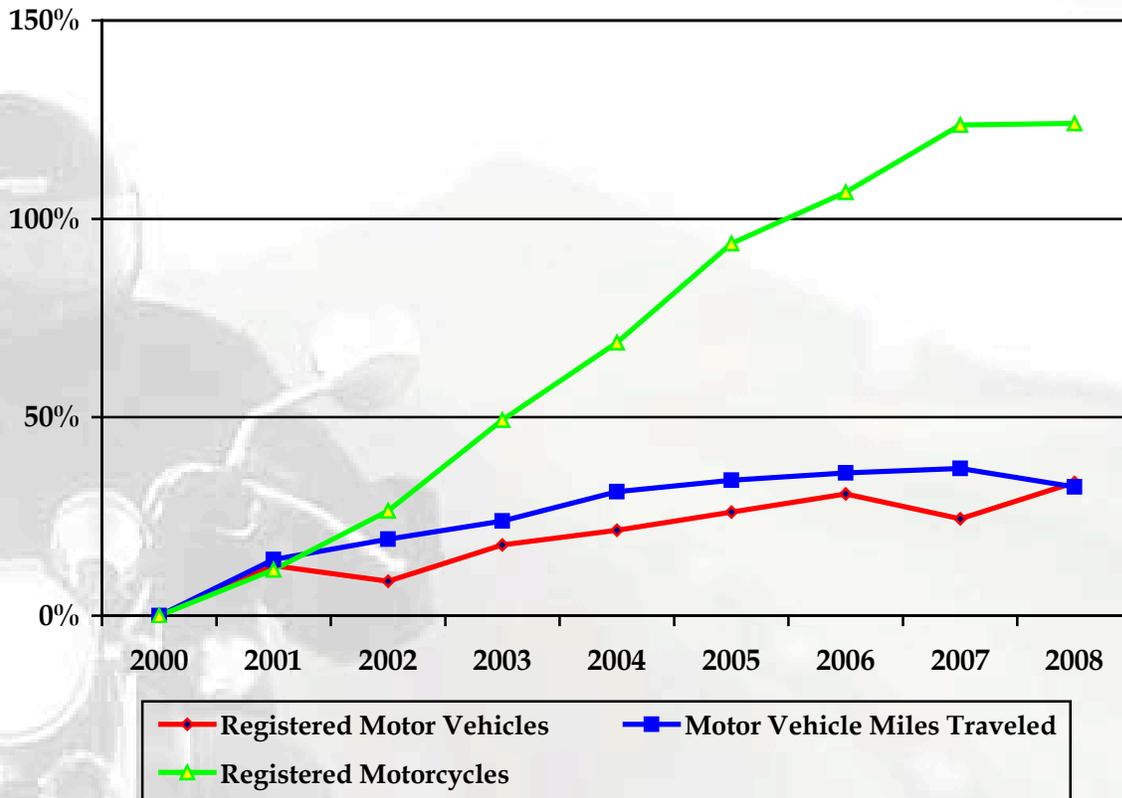
Source of Data:

The information contained in this report is extracted from law enforcement agency long-form reports of traffic crashes in Florida.

A law enforcement officer must submit a long-form crash report when investigating: (1) Motor vehicle crashes resulting in death or personal injury, or (2) Motor vehicle crashes in which one or more of the following occur; (a) leaving the scene involving damage to an attended vehicle or property, or (b) Driving while under the influence of alcoholic beverages, chemical substances, or controlled substances or with an unlawful blood alcohol level.

An investigating officer may report other traffic crashes on the long-form crash report. In particular, applicable statutes specify an officer's discretion to submit a long-form report in crashes where a vehicle is rendered inoperable to the degree that a wrecker is required to remove it from traffic.

Cumulative Percentage Change Since 2000



While the numbers of motor vehicles registered in Florida have increased 34 percent since 2000 and the vehicle miles traveled increased 32 percent, the numbers of motorcycles registered have increased 124 percent.

In 2008, there were 9,618 motorcycle crashes in Florida resulting in the deaths of 532 motorcyclists and their passengers and 9,402 injuries.

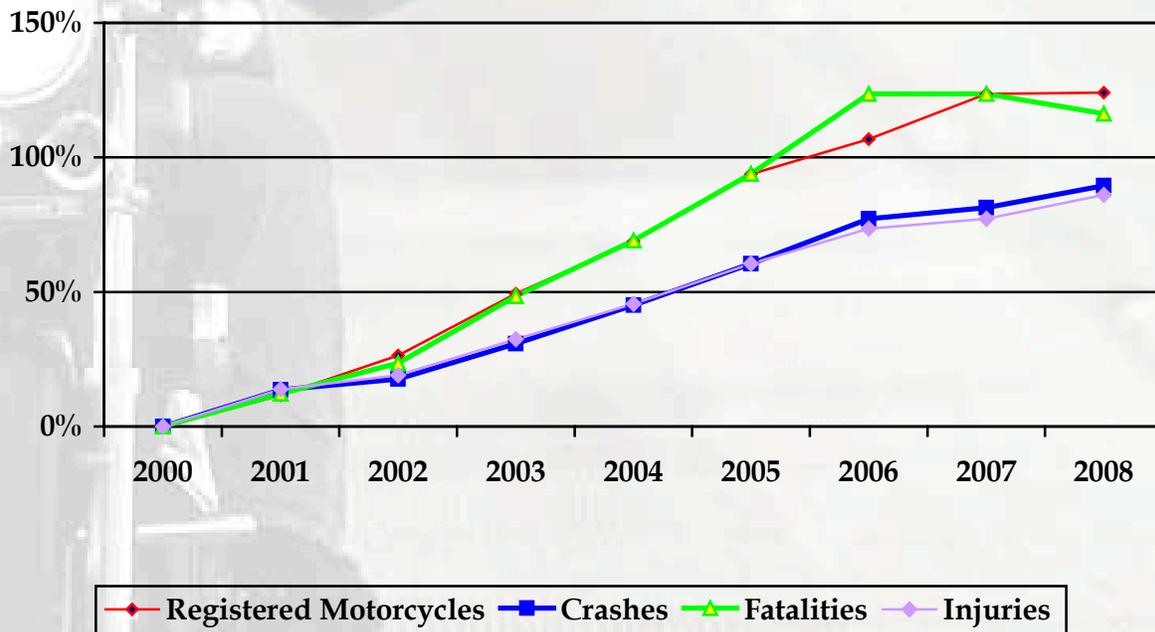
There were 18 less motorcycle fatalities in 2008 than in 2007, when 550 motorcyclists and their passengers died in Florida, a **3.4 percent decrease**. Also in 2008, there were 447 more **injuries** as a result of motorcycle crashes than in 2007 when 8,955 motorcyclists and their passengers were injured, a **5 percent increase**.

NINE-YEAR HISTORY (2000-2008)

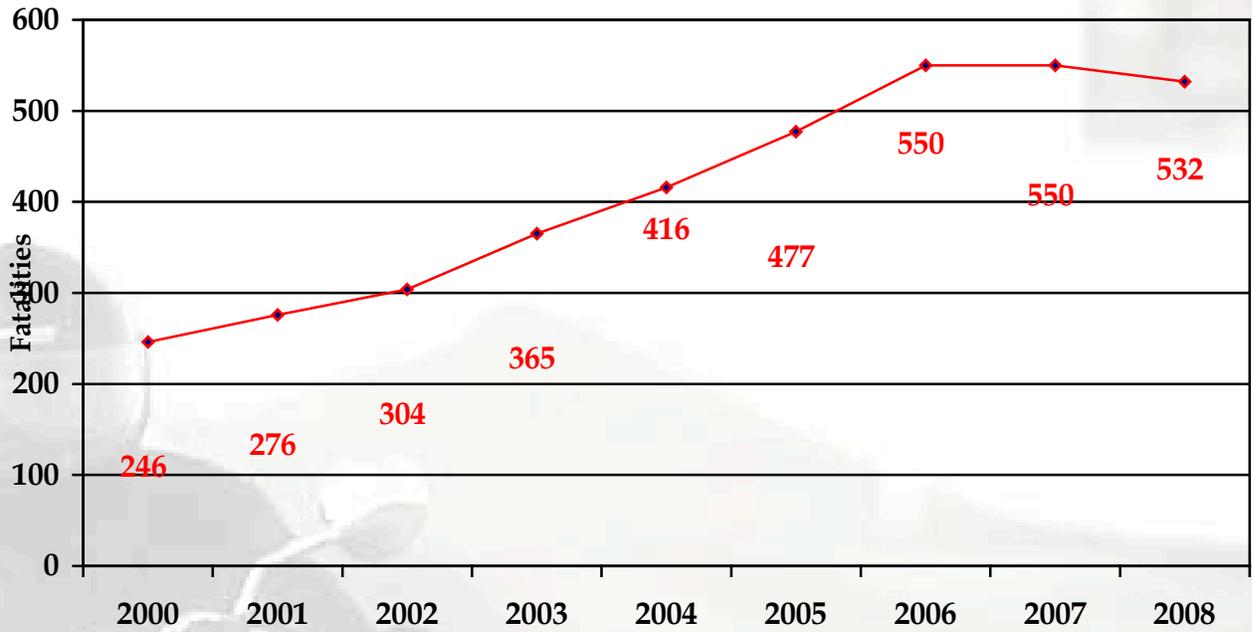
During the last nine years, 3,716 motorcyclists and their passengers have died on Florida highways and an additional 67,117 have been injured. Motorcycle fatalities have increased over the last nine years as the numbers of registered motorcycles have increased

Year	Registered Motorcycles		Crashes		Fatalities		Injuries	
	#	% Change Since 2000	#	% Change Since 2000	#	% Change Since 2000	#	% Change Since 2000
2000	289,760		5,075		246		5,054	
2001	323,301	11.6%	5,766	13.6%	276	12.2%	5,755	13.9%
2002	366,196	26.4%	5,972	17.7%	304	23.6%	6,016	19.0%
2003	432,732	49.3%	6,635	30.7%	365	48.4%	6,695	32.5%
2004	489,167	68.8%	7,367	45.2%	416	69.1%	7,357	45.6%
2005	561,455	93.8%	8,147	60.5%	477	93.9%	8,114	60.5%
2006	599,036	106.7%	8,990	77.1%	550	123.6%	8,769	73.5%
2007	647,968	123.6%	9,205	81.4%	550	123.6%	8,955	97.0%
2008	649,210	124.1%	9,618	89.5%	532	116.3%	9,402	86.0%

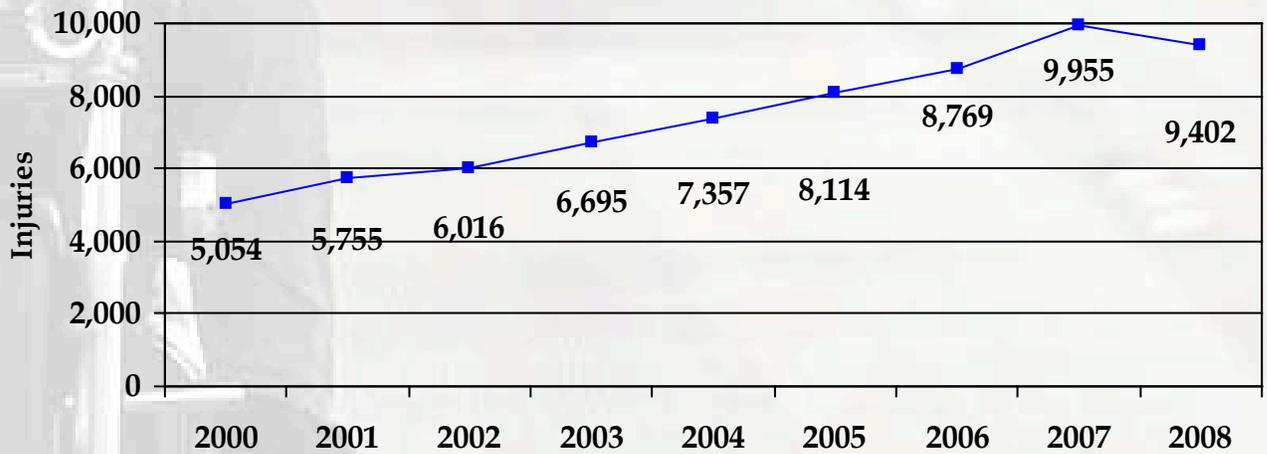
Cumulative Motorcycle Percentage Change Since 2000



Motorcycle Fatalities (2000 - 2008)



Motorcycle Injuries (2000 - 2008)



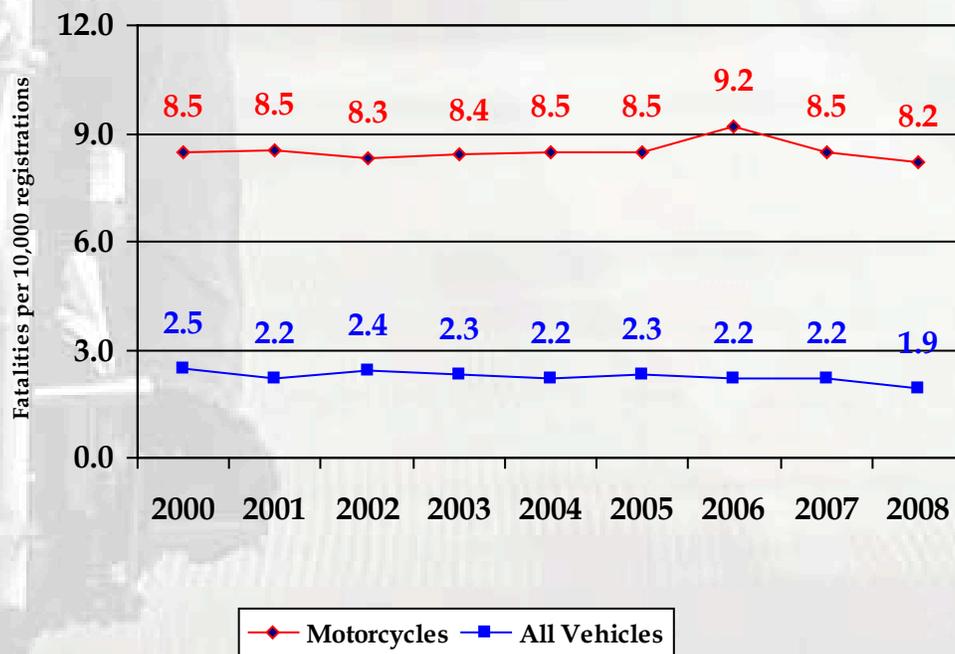
Motorcycle Fatality Rate during this nine-year period ranged from 8.2 to 9.2 fatalities per 10,000 registered motorcycles. Since 2000, the motorcycle fatality rate has stayed close to 8.5 fatalities per 10,000 registered motorcycles. During this same period, the fatality rate for all vehicles has ranged from a high of 2.5 to 1.9 fatalities per 10,000 registered motor vehicles.

Motorcycles vs. All Vehicles (Fatality Rate per 10,000 Registrations)

Year	Motorcycles			All Vehicles		
	Fatalities	Registrations	Fatality Rate	Fatalities	Registrations	Fatality Rate
2000	246	289,760	8.5	2,999	11,948,485	2.5
2001	276	323,301	8.5	3,013	13,448,202	2.2
2002	304	366,196	8.3	3,143	12,989,278	2.4
2003	365	432,732	8.4	3,179	14,080,886	2.3
2004	416	489,167	8.5	3,257	14,512,264	2.2
2005	477	561,455	8.5	3,533	15,062,993	2.3
2006	550	599,036	9.2	3,365	15,612,161	2.2
2007	550	647,968	8.5	3,221	14,858,332	2.2
2008	532	649,210	8.2	2,983	15,966,287	1.9

- Note:
- 1 Motorcycles exclude mopeds, pocket bikes, motorized bicycles/scooters, etc.
 - 2 All Vehicles include Motorcycles.
 - 3 Motorcycle Fatalities include both operators and passengers.
 - 4 Fatalities compiled from traffic crash reports (long form) submitted by FL law enforcement agencies.
 - 5 Registrations derived from data provided in DHSMV's *Revenue Report (Fiscal Year)*.
 - 6 Registrations stated on a fiscal year basis, e.g., 2004 = FY 2004-05.

Fatality Rate (per 10,000 Registrations)



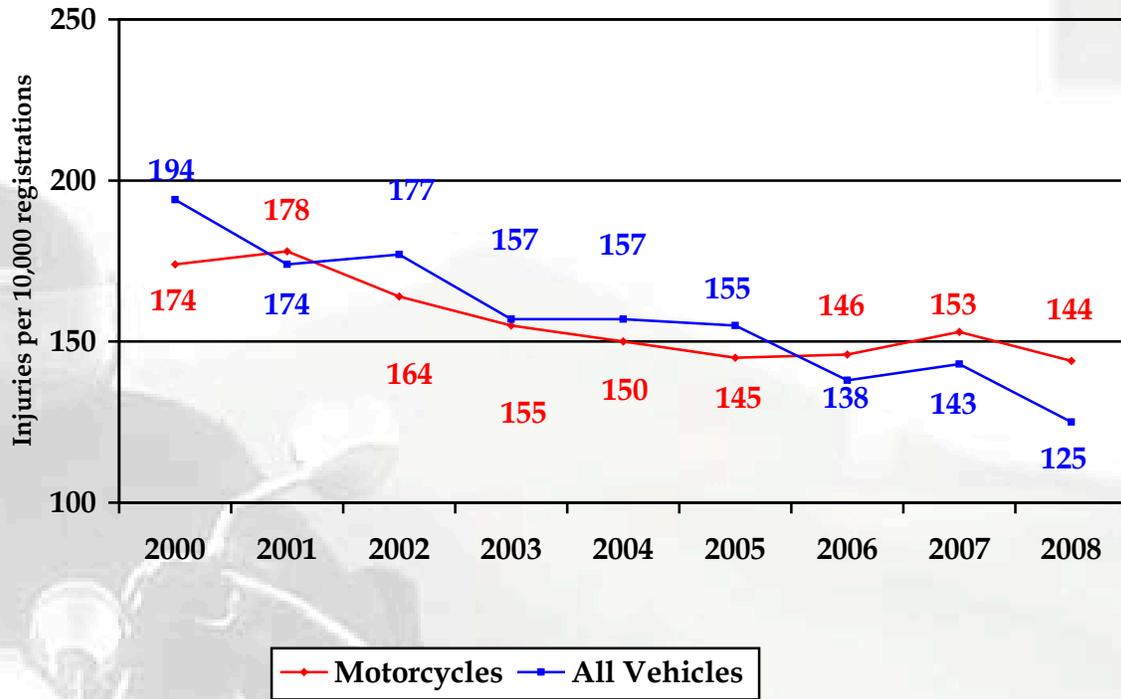
Motorcycle Injury Rate during this nine-year period has decreased from 174 to 144 injuries per 10,000 registered motorcycles. During this same period, the injury rate for all vehicles has decreased from 194 to 125 injuries per 10,000 registered motor vehicles.

Motorcycles vs. All Vehicles (Injury Rate per 10,000 Registrations)

Year	Motorcycles			All Vehicles		
	Injuries	Registrations	Injury Rate	Injuries	Registrations	Injury Rate
2000	5,054	289,760	174	231,588	11,948,485	194
2001	5,755	323,301	178	234,600	13,448,202	174
2002	6,016	366,196	164	229,611	12,989,278	177
2003	6,695	432,732	155	221,639	14,080,886	157
2004	7,357	489,167	150	227,192	14,512,264	157
2005	8,114	561,455	145	233,930	15,062,993	155
2006	8,769	599,036	146	214,914	15,612,161	138
2007	9,955	647,968	153	212,149	14,858,332	143
2008	9,402	649,210	144	199,657	15,966,287	125

- Note:
- 1 Motorcycles exclude mopeds, pocket bikes, motorized bicycles/scooters, etc.
 - 2 All Vehicles include Motorcycles.
 - 3 Motorcycle Fatalities include both operators and passengers.
 - 4 Fatalities compiled from traffic crash reports (long form) submitted by FL law enforcement agencies.
 - 5 Registrations derived from data provided in DHSMV's *Revenue Report (Fiscal Year)*.
 - 6 Registrations stated on a fiscal year basis, e.g., 2008 = FY 2007-08.

Injury Rate (per 10,000 Registrations)



REQUIREMENTS FOR ALL MOTORCYCLE OPERATIONS:

Licensing - All motorcycle operators must successfully complete a test of his or her knowledge concerning the safe operation of such vehicles and a test of his or her driving skills on such vehicles. A person who successfully completes such tests shall be issued a motorcycle endorsement if he or she is licensed to drive another type of motor vehicle. A person who is not licensed to drive another vehicle shall be issued a Class E driver's license that is clearly restricted to motorcycle use only.

Effective July 1, 2008, all first-time applicants for licensure to operate a motorcycle will be required to provide proof of completion of a FRTP prescribed motorcycle safety course.

Safety Equipment - Persons at least 21 years of age may ride a motorcycle without a helmet if they can show proof of medical (health) insurance coverage (motorcycle medical policy card or other form of health insurance coverage, such as employee group or private health insurance cards) in the amounts of at least \$10,000 that will pay for their injuries in a crash.

Requirements for Motorcyclists under 21 years of age:

Licensing – No one under 16 years of age may legally operate or be licensed to operate any two or three wheel motor vehicle on Florida roads, streets or highways.

All first-time applicants for a motorcycle endorsement under 21 years of age must complete the FRTP prescribed Basic Rider Course, before the endorsement can be issued.

Safety Equipment – Head injuries are reduced by wearing approved motorcycle helmets! Anyone under 16 years of age must wear a Department approved **motorcycle** helmet and may only ride as a passenger on any motorcycle, moped, motor-driven cycle regardless of engine size.

A person does not need to wear a helmet while operating or riding upon a moped, scooter, other two, or three-wheel motor vehicle 50cc or less, if at least 16 years of age. Anyone 16 years of age but less than 21 years of age must wear a Department approved helmet when operating or riding upon a motorcycle. Per s. 316.211 F.S., persons at least 21 years of age may ride a motorcycle without a helmet if they can show proof of medical insurance coverage in the amounts of at least \$10,000 that will pay for injuries they may incur in a motorcycle crash. A separate motorcycle medical insurance policy card or other forms of health insurance coverage will suffice, such as employee group or private health insurance cards. Law officers shall make final determination if proof of insurance is acceptable.

Per s. 316.211(2) F.S., a person may not operate a motorcycle as defined in s. 316.003(22) F.S. unless the person is wearing one of these Department approved eye-

protective devices over his or her eyes; goggles, face shields designed for use with, and as part of an approved helmet or eyeglasses including sunglasses. Contact lenses are not acceptable. Each device must be in good repair, free of sharp edges or projections and made of material suitable for ophthalmic use. It shall be free from cracks, waves, bubbles or any other defect, which may impair its normal visibility. Any tinted device should not impair the wearer's ability to see color and shall not be used at night.

Special License Plate - Effective January 1, 2007, all motorcyclists under 21 years of age must display a special license plate that indicates they are under 21 years of age and must wear proper headgear.



DEPARTMENT OF HIGHWAY SAFETY & MOTOR VEHICLES INITIATIVES:

The Department of Highway Safety and Motor Vehicles continues to educate the public with the Florida Rider Training Program. The basic Motorcycle Rider Course is a 15-hour class designed to teach beginning motorcyclists of all ages the physical and mental skills necessary to ride a motorcycle. The course includes basic motorcycle operation, maximum effective braking techniques, turning skills, obstacle avoidance maneuvers, classroom instruction, and on-cycle training. Instructors for the program are all experienced motorcycle operators, nationally certified and recognized by the Florida Rider Training Program. In 2008, approximately 36,000 riders completed the Basic Rider Course.

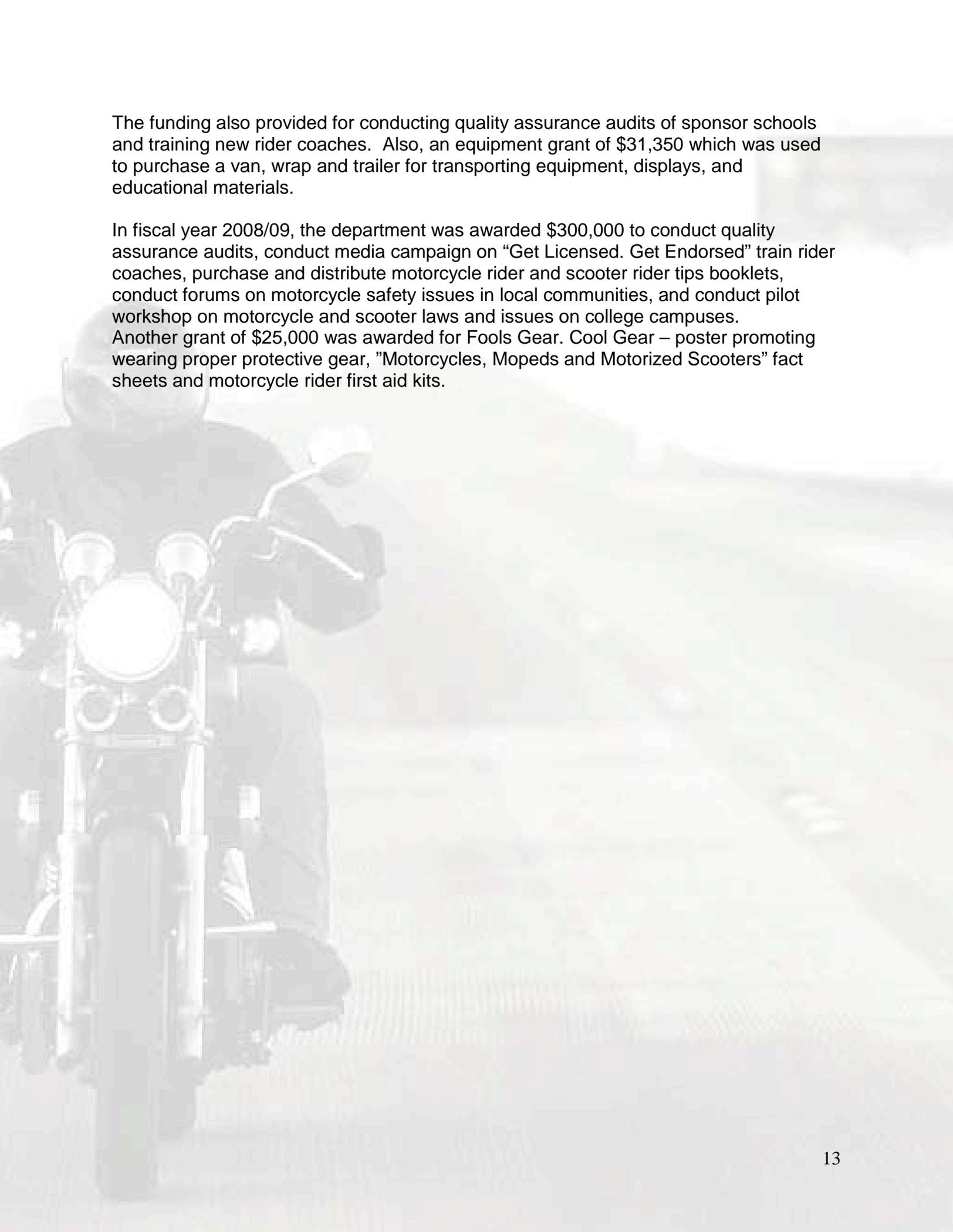
Also, the department's "Ride Legal. Ride Smart" campaign disseminates information encouraging riders not to ride while impaired, to wear protective gear when riding, to be aware of their surroundings, and the need for proper licensing.

In fiscal year 2005/06, the department was awarded a \$300,000 grant to help concentrate efforts to further educate, serve and protect motorcyclists on Florida's highways. The major accomplishments of the grant were the training of 26 new rider coaches, 19 quality assurance site visits of motorcycle rider training courses, training of 36 new driver license examiners on motorcycle requirements and testing, the opening of new sponsor schools, development and distribution of public service announcements on motorcycle safety, 219 motorcycle training helmets were purchased and distributed to sponsor schools and the distribution of various printed materials on motorcycling requirements and safety.

In fiscal year 2006/07, the department was awarded \$297,150 to continue their efforts to increase the general population's awareness of motorcycle safety, to attend motorcycle rallies and events to educate and inform the motorcycle riding population, to train a minimum of 60 new rider coaches, conduct quality assurance evaluations of motorcycle rider training courses, and continue to compare motorcycle titles to the person's driver record and see if the owner is properly endorsed.

Also during fiscal year 2006/07, the department was awarded a \$200,000 grant for the purpose of reducing alcohol related motorcycle crashes. To assist with public awareness on this issue the department plans to develop and execute a comprehensive, statewide billboard campaign. Billboards will be designed to target 45-65 year old males. In addition, the department will develop and produce a public service announcement targeting the 16-26 year old motorcycle rider. The video will be distributed to Florida schools, driver training classes, TV stations, and made available on-line.

In fiscal year 2007/08 the department was awarded \$480,000 for the Motorcycle Training and Awareness Campaign, which created two major statewide media/ public relations campaigns; "Ride Proud. Dress Loud." and "Get Licensed. Get Endorsed." The campaigns included magazine ads, mall displays, movie theatre ads and print materials.



The funding also provided for conducting quality assurance audits of sponsor schools and training new rider coaches. Also, an equipment grant of \$31,350 which was used to purchase a van, wrap and trailer for transporting equipment, displays, and educational materials.

In fiscal year 2008/09, the department was awarded \$300,000 to conduct quality assurance audits, conduct media campaign on “Get Licensed. Get Endorsed” train rider coaches, purchase and distribute motorcycle rider and scooter rider tips booklets, conduct forums on motorcycle safety issues in local communities, and conduct pilot workshop on motorcycle and scooter laws and issues on college campuses. Another grant of \$25,000 was awarded for Fools Gear. Cool Gear – poster promoting wearing proper protective gear, “Motorcycles, Mopeds and Motorized Scooters” fact sheets and motorcycle rider first aid kits.

OPERATOR CHARACTERISTICS:

Alcohol – Drug Involvement

Fatal Motorcycle Crashes	2008
Under the influence of Alcohol – Drug Fatalities of Motorcycle Operators	208
Total Number of Fatalities of Motorcycle Operators	502
% Drinking Motorcycle Operators	41.4%

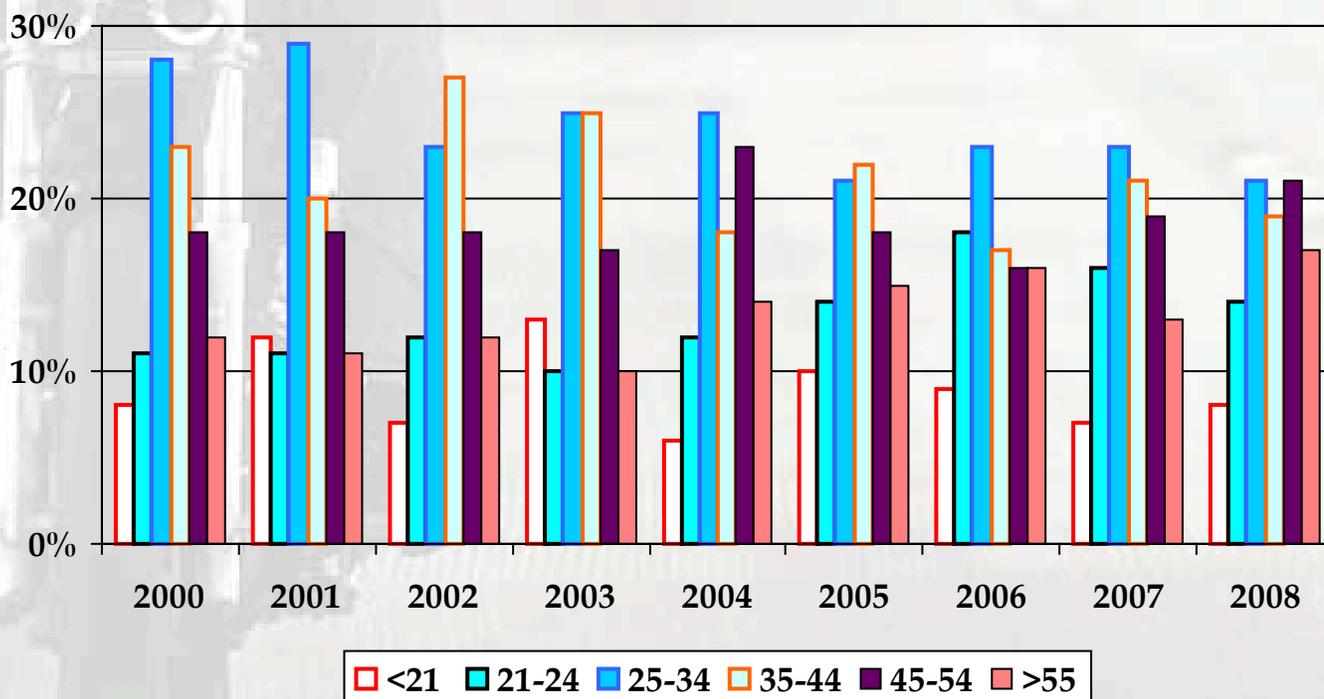
Operator's Age

Since 2000, fatalities for motorcycle operators age 45 and older has increased 174 percent.

Motorcyclist (Operator Only) Fatalities by Age Group

Year	Age Group								Total
	<21	21 - 24	25 - 34	35 - 44	45 - 54	55 - 64	>65	Unknown	
2000	18	25	63	52	41	23	4	1	227
2001	27	28	78	53	49	20	8	3	266
2002	20	34	62	75	49	20	13	2	275
2003	44	34	84	85	56	26	8	2	339
2004	24	48	98	71	89	43	13	2	388
2005	42	63	93	96	79	45	20	3	441
2006	47	95	119	90	84	56	25	6	522
2007	37	84	118	111	99	50	17	1	517
2008	41	70	107	96	104	59	23	2	502

% of Total for Year by Age Group



Operators by Gender

During 2008, of the 502 motorcyclists killed in fatal crashes, 488 (97%) were males and 14 (3%) were females. Of the 488 male fatalities, 178 were 45 years and older and of the 14 female fatalities, three were 45 years old or older.

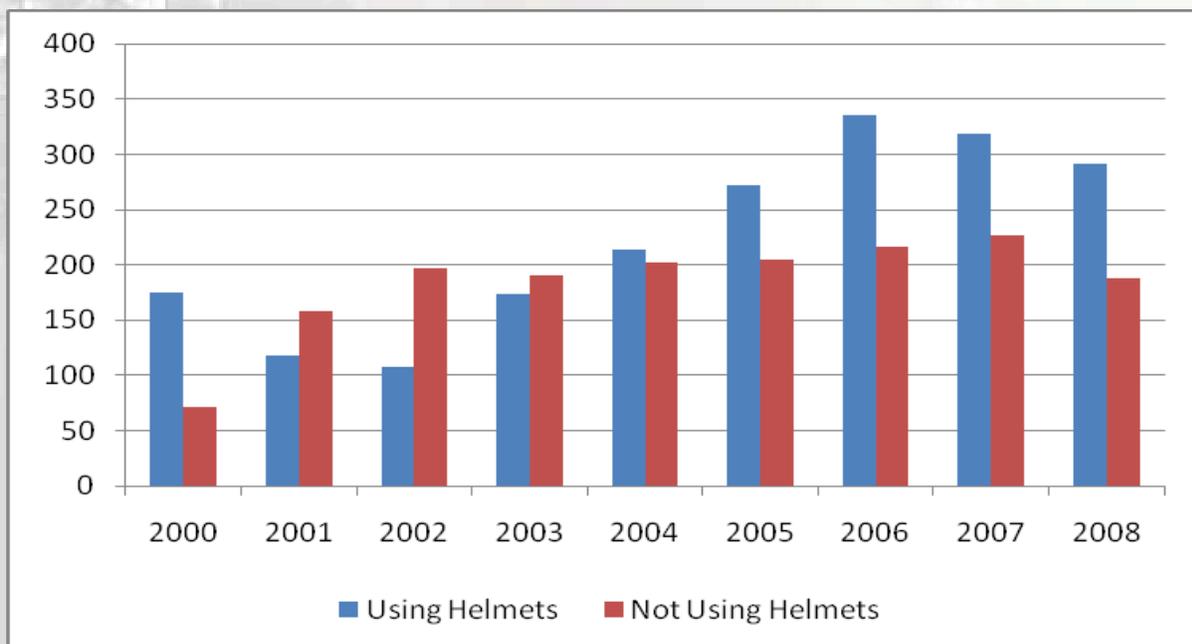
Safety Equipment – Helmets

In 2008, of the 532 motorcycle fatalities, 292 (55%) were using helmets; 188 (35%) were *not* using helmets; ten (10%) percent was not stated.

Comparative Safety Equipment Use By Motorcyclists and Their Passengers – Fatalities *(May not total to annual totals due to helmet use not stated on crash report)*

Year	Using Helmets			Not Using Helmets		
	Operators	Passengers	Total	Operators	Passengers	Total
2000	162	13	175	65	6	71
2001	114	4	118	138	20	158
2002	102	5	107	172	25	197
2003	163	11	174	176	15	191
2004	200	14	214	188	14	202
2005	252	20	272	189	16	205
2006	323	12	335	199	17	216
2007	305	13	318	208	19	227
2008	279	13	292	171	17	188

Comparative Safety Equipment Use By Motorcyclists and Their Passengers – Fatalities Graph



CRASH FATALITIES CHARACTERISTICS:

Speed

Of the 502 fatalities, 48 (10%) were traveling at 80 mph or greater at the time of the crash.

MPH	Speed (mph) at Time of Fatal Crash						Not Stated
	000-019	020-039	040-059	060-079	080-099	100+	
Fatalities	126	40	139	69	33	15	80
% at Speed	25%	8%	28%	14%	7%	3%	16%

**Speed at time of crash is not known for 80 fatalities.*

Nineteen (19) percent of fatal crashes occurred while the motorcycle was being operated at least 20 mph over the maximum posted speed limit.

MPH	Speed (mph) Over/Under Posted Maximum Speed Limit						Not Stated	Under
	1-9	10-19	20-29	30-49	50+	At Posted Speed		
Fatalities	12	44	36	38	20	108	80	164
% of Total	2%	9%	7%	8%	4%	22%	16%	33%

**Speed at time of crash is not known for 80 fatalities.*

Day of Fatalities

Forty (40) percent of fatal motorcycle crashes occurred on Saturdays and Sundays.

	Days of Week							Total
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
Fatalities	48	47	62	60	88	88	109	502
% of Total	10%	9%	12%	12%	18%	18%	22%	100.0%

Motorcycle Fatalities by County

Nine counties accounted for over half of motorcycle fatalities in 2008. The following counties accounted for 274 of the state's 502 motorcyclist fatalities.

Miami-Dade	44	Hillsborough	31	Pinellas	27
Broward	37	Volusia	30	Duval	23
Palm Beach	34	Orange	28	Lee	20

FIVE-YEAR MOTORCYCLE FATALITY HISTORY BY COUNTY* (Florida, 2004-2008)

COUNTY	2004	2005	2006	2007	2008	COUNTY	2004	2005	2006	2007	2008
ALACHUA	2	1	3	7	3	LEE	14	13	18	23	20
BAKER	0	1	2	2	0	LEON	1	3	7	3	3
BAY	4	2	11	4	6	LEVY	2	3	4	1	1
BRADFORD	1	0	2	4	0	LIBERTY	0	0	0	1	0
BREVARD	12	13	25	18	16	MADISON	0	0	1	1	0
BROWARD	30	41	44	52	37	MANATEE	7	10	8	9	9
CALHOUN	1	0	1	0	1	MARION	9	14	8	10	16
CHARLOTTE	4	13	5	4	6	MARTIN	6	2	7	1	1
CITRUS	5	2	3	7	7	MIAMI-DADE	42	45	61	52	44
CLAY	5	5	4	1	6	MONROE	6	2	3	5	5
COLLIER	2	2	6	3	6	NASSAU	0	0	0	4	1
COLUMBIA	4	0	3	1	4	OKALOOSA	1	4	3	2	6
DE SOTO	0	0	1	0	0	OKEECHOBEE	2	1	0	3	0
DIXIE	2	0	1	1	0	ORANGE	27	21	32	31	28
DUVAL	15	23	22	30	23	OSCEOLA	5	5	11	9	11
ESCAMBIA	8	9	4	9	10	PALM BEACH	21	24	28	31	34
FLAGLER	3	3	11	4	9	PASCO	6	12	13	18	15
FRANKLIN	0	0	0	0	0	PINELLAS	17	17	24	26	27
GADSDEN	3	0	0	1	1	POLK	17	14	21	14	17
GILCHRIST	0	1	0	0	1	PUTNAM	1	2	0	5	1
GLADES	0	0	0	1	0	ST. JOHNS	5	7	1	8	9
GULF	0	1	0	0	0	ST. LUCIE	3	6	3	4	6
HAMILTON	0	0	0	0	0	SANTA ROSA	1	4	2	4	1
HARDEE	0	0	0	1	1	SARASOTA	9	6	5	11	9
HENDRY	1	1	2	0	1	SEMINOLE	8	6	8	9	4
HERNANDO	6	4	4	8	7	SUMTER	1	1	3	3	2
HIGHLANDS	4	3	5	3	7	SUWANNEE	1	0	2	2	0
HILLSBOROUGH	18	42	37	27	31	TAYLOR	0	0	0	0	1
HOLMES	1	1	1	0	0	UNION	1	1	0	0	1
INDIAN RIVER	2	3	1	3	3	VOLUSIA	32	33	34	23	30
JACKSON	0	1	0	2	0	WAKULLA	0	1	1	0	2
JEFFERSON	0	0	1	0	0	WALTON	2	2	2	2	2
LAFAYETTE	0	0	0	0	0	WASHINGTON	1	1	1	1	2
LAKE	7	9	11	8	8	STATEWIDE	388	441	521	517	502

FLORIDA EIGHT-YEAR TREND DATA

	2001	2002	2003	2004	2005	2006	2007	2008	% 8-Yr Change
<i>Fatalities:</i>									
Motor Vehicle	3,013	3,143	3,179	3,257	3,533	3,365	3,221	2,983	-1%
Motorcycles	276	304	365	416	477	550	550	532	93%
<i>Injuries:</i>									
Motor Vehicle	234,600	229,611	221,639	227,192	233,930	214,914	212,149	199,658	-15%
Motorcycles	5,755	6,016	6,695	7,357	8,114	8,769	8,955	9,402	63%
<i>Crashes:</i>									
Motor Vehicle	256,169	250,470	243,294	252,902	268,605	256,200	256,200	243,342	-5%
Motorcycles	5,766	5,972	6,635	7,367	8,147	8,990	9,205	9,618	67%
<i>Roadway Miles:</i>									
All Public (Centerline Miles)	117,302	119,785	120,375	119,529	120,556	121,995	121,526	121,386	3%
State System (Centerline)	12,051	12,058	12,051	12,046	12,040	12,067	12,062	12,084	0%
State System (Lane Miles)	40,204	40,554	40,829	41,138	41,473	41,916	42,082	42,432	6%
<i>Licensed Drivers</i>	14,346,373	14,604,720	14,847,416	15,007,005	15,272,680	15,491,878	15,579,603	15,556,658	8%
<i>Registrations:</i>									
All Vehicles	13,448,202	12,989,278	14,080,886	14,512,264	15,062,993	15,612,161	14,858,332	15,966,287	19%
Motorcycles	323,301	366,196	432,732	489,167	561,455	599,036	647,968	649,210	101%
<i>Vehicle Miles Traveled (millions)</i>	171,029	178,680	185,642	196,722	200,974	203,783	205,421	198,494	16%
<i>Population</i>	16,331,900	16,674,900	17,071,400	17,516,500	17,789,864	18,349,132	18,680,367	18,807,219	15%
<i>Tourists</i>	69,500,000	73,900,000	74,600,000	79,700,000	83,600,000	83,900,000	84,500,000	84,200,000	21%