

NHTSA Motorcycle Safety Program

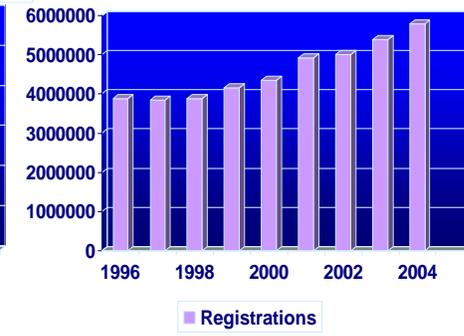
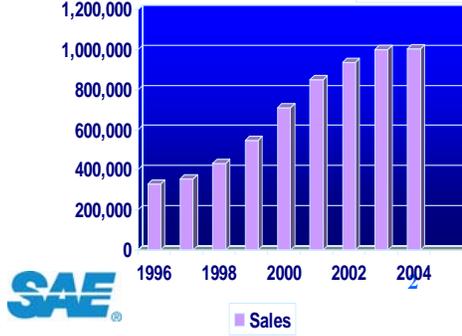
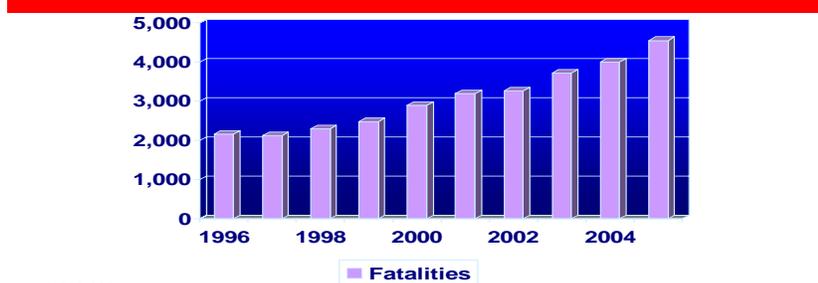


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Motorcycle Safety Trends



Motorcycle Safety Problem Areas

Alcohol

In fatal crashes in 2005, a higher percentage of motorcycle operators (41%) had a BAC of .08 or higher than operators of any other type of motor vehicle. Sixty-one percent of motorcycle operators who died in single-vehicle crashes on weekend nights in 2005 had BAC levels of .08 or higher.

Speed

In 2005, 34% of all motorcyclists involved in fatal crashes were speeding, approximately twice the rate for drivers of passenger cars or light trucks.

Licensing

Nearly one out of four motorcycle operators involved in fatal crashes were operating the vehicle with an invalid license.

Helmet Use

Helmets are estimated to be 37% effective in preventing fatal injuries to motorcyclists. 728 more lives might have been saved in 2005 if all motorcyclists had worn helmets.

According to NOPUS, helmet use declined by 13% over 4 years, from 71% in 2000 to 58% in 2004: a striking 45% increase in nonuse.



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Motorcycle Safety

NHTSA

- ⌘ Research
- ⌘ Programs
- ⌘ SAFETEA-LU



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Motorcycle Safety Research

- ≡ *Study to Determine Motorcyclist Impairment at Different BAC Levels*
- ≡ *Pilot Study: Motorcycle Crash Causes and Outcomes*
- ≡ *Evaluation of the Reinstatement of the Helmet Law in Louisiana*
- ≡ *Cooperative Agreement between NHTSA & MSF on Crash Avoidance Skills*
- ≡ *Evaluation of Strategies to Increase Motorcyclist Licensing*



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Motorcycle Safety Research

- ≡ *Motorcycle Braking*
- ≡ *Motorcycle Conspicuity*
- ≡ *Novelty helmet testing*



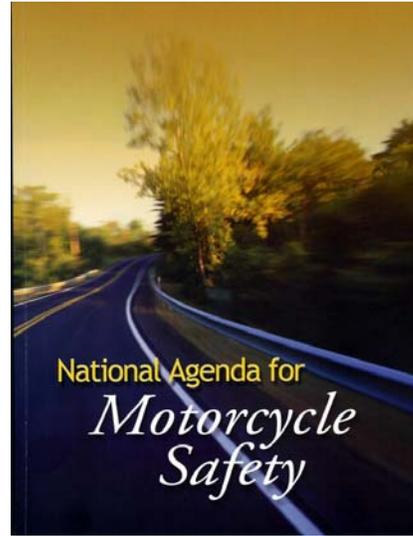
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Motorcycle Safety Programs: National Agenda for Motorcycle Safety

NHTSA partnered with the Motorcycle Safety Foundation and worked with motorcyclists across the nation to develop the NAMS.

Examines components of motorcycle safety program at the Federal, State and local levels

Provides recommendations and specific actions needed to reduce motorcycle crashes.



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Motorcycle Safety Programs: Implementation Guide for the National Agenda for Motorcycle Safety

Implementation Guide for the NAMS

Provides ideas and resources for implementation of recommendations to States and communities

- ⌘ Alcohol and other drugs
- ⌘ Personal protective equipment
- ⌘ Motorcycle operator training and education
- ⌘ Licensing
- ⌘ Motorist education
- ⌘ Highway and environment
- ⌘ Management



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Motorcycle Safety Programs: NAMS Forum

www.implementNAMS.org

Developed by MSF and NHTSA to provide one internet location to

- ⌘ discuss motorcycle safety
- ⌘ learn about the NAMS
- ⌘ share ideas
- ⌘ talk about activities that show promise



Motorcycle Safety Program: Activities

Rider Education and Training

- ⌘ Promising Practices in Motorcycle Rider Education and Licensing
- ⌘ Demonstration Grants
- ⌘ Section 2010 Grant Program
- ⌘ National Standard for Rider Education



Motorcycle Safety Program: Activities

Rider Licensing

- ⌘ Updating guidelines for Motor Vehicle Administrators
- ⌘ Efforts to reduce number of improperly licensed motorcyclists



Motorcycle Safety Program: Activities

Impaired Riding

- ⌘ Focus Group Research
- ⌘ Ride Straight Campaign
- ⌘ Demonstration Project
- ⌘ Integrating impaired riding into Crackdowns
- ⌘ Riders Helping Riders



Motorcycle Safety Program: Activities

Helmets and Protective Gear

- » Helmet promotion PSAs
- » Website Video Clip on how to select the right helmet and identify a non-compliant helmet



Motorist Awareness

- » Model Share the Road Language
- » Motorcycle Safety Planner
- » Motorists Awareness Campaign Materials



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Motorcycle Safety Program: Activities

Bystander Care

Network Meetings (Quarterly)

Older Riders

NHTSA Regional Meetings

State Motorcycle Program Assessments



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SAFETEA-LU

Section 2010: State Motorcycle Safety Grants

Section 2010: Motorcycle Share the Road Language

Section 2003: Impaired Motorcycle Riding Study

Section 1914: FHWA Motorcycle Advisory Council

Section 5511: Motorcycle Crash Causation Study



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Overview of Section 2010: State Motorcyclist Safety Grants

Year	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Amount	\$0M	\$6M	\$6M	\$6M	\$7M

New grant program to improve motorcycle safety.

Each grant no less than \$100,000, but not to exceed 25% of 402 in FY 03

States must meet criteria to receive funding.

Funds can only be used to support rider training or motorist awareness programs

FY 2006 awards made to 44 States and PR



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Overview of Section 2010: Requirements to Receive a Grant

First Year 1 of 6 criteria and 2 of 6 criteria thereafter

- ⌘ Statewide motorcycle training courses
- ⌘ Statewide motorcycle awareness program
- ⌘ Reduction of motorcycle fatalities and crashes
- ⌘ Statewide impaired motorcycle driving program
- ⌘ Reduction of impaired motorcycle fatalities and crashes
- ⌘ Fees collected from motorcyclists



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Overview of Section 2010: State Motorcyclist Safety Grants

FY 2006 = \$5,940,000

AK	IA	NH	SD
AZ	KY	NJ	TN
CA	LA	NM	TX
CO	ME	NY	UT
CT	MD	NC	VA
DE	MA	ND	WA
FL	MI	OH	WV
GA	MN	OK	WI
HI	MO	OR	WY
ID	MT	PA	
IL	NE	PR	
IN	NV	RI	



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Overview of Section 2010: Model Share the Road Language

Develop and provide model Share the Road language to States

Status- Model language sent to State Highway Safety Offices, Motor Vehicle Administrators, and State Motorcycle Safety Administrators in August 2006



Overview of Section 2003: Impaired Motorcycle Riding Study

Conduct study on educational, public information and other activities targeted at reducing impaired motorcycle crashes and resulting fatalities and injuries where the mc operator is impaired

Report the results to Congress including

- ⌘ Data collected and statistics compiled
- ⌘ Recommendations to reduce the number of crashes, fatalities and injuries due to impaired riding

Report results to Congress in August 2007

Overview of Section 1914: FHWA Motorcycle Advisory Council

Establishes 10 member motorcycle advisory council to the Secretary of Transportation, through the FHWA Administrator

Council to advise on infrastructure issues of concern to motorcyclists, including

- ⌘ Barrier design
- ⌘ Road design, construction, and maintenance practices
- ⌘ Architecture and implementation of intelligent transportation system technologies

Second meeting held last week



Overview of Section 1914: FHWA Motorcycle Advisory Council

Council Members

- ⌘ Ed Moreland, American Motorcyclist Association
- ⌘ Jeff Hennie, Motorcycle Riders Foundation
- ⌘ Ken Kiphart, State Motorcycle Safety Administrators
- ⌘ Darrel Killion, ABATE of South Dakota
- ⌘ Steven Zimmer, ABATE of Ohio
- ⌘ Gerald Salontai, Kleinfelder, Inc.
- ⌘ Robert McClune, North America Potters Industries
- ⌘ Kathy Van Kleeck, Motorcycle Industry Council
- ⌘ Mark Bloshock, Texas Dept. of Transportation
- ⌘ Donald Vaughn, Alabama Dept. of Transportation



Overview of Section 1914: FHWA Motorcycle Advisory Council

Engineering – focus on immediate solutions

- Increased awareness of engineers of motorcyclists needs
 - Discussion included adding to current practices
 - Thermal Plastic and paint – skid resistance
 - Rumble strips
 - ‘Highlight’ raised medians
 - Specific motorcycle signs – especially for new motorcyclists



Overview of Section 1914: FHWA Motorcycle Advisory Council

- Best Practices and Special Interest
 - Call in program for motorcycle-specific hazards in state
 - Additional study – Barriers that provide increased hazard to motorcyclists
- ITS – Include motorcycles as part of the planning process, not as an after thought.



Overview of Section 5511: Motorcycle Crash Causation Study

Directs the Secretary to provide grant funds to the OK State University Transportation Center to conduct a comprehensive, in-depth motorcycle crash causation study that employs the OECD methodology

Project managed by FHWA

NHTSA conducting a pilot study for a crash causation study to develop protocol based on OECD methodology

