

#### Motor Vehicle Traffic Crash Fatality Counts and Injury Estimates for 2004

#### **Based on** The Fatality Analysis Reporting System (FARS) and The National Automotive Sampling System

General Estimates System (NASS GES)

#### DOT HS 809 923

August 2005

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



This presentation supersedes the presentation released on September 6<sup>th</sup> 2005.

The data and statements relating to fatality rates are updated based on the latest available exposure data from the Federal Highway Administration.

Some edits were made to the following slides: 9-13, 34-38, 61, 120, 131.

This report updates the 2004 Projections released in April 2005, which were based on a statistical procedure using incomplete/partial data.

This report also compares fatality counts and injury estimates resulting from motor vehicle traffic crashes occurring in 2004 with counts and estimates from final 2003 files.

Counts and estimates are based on Fatality Analysis Reporting System (FARS) and NASS General Estimates System (GES) files, as indicated in the sources listed on page 4.

The fatality counts for 2004 will be updated based on final FARS files released next year. Data from 2003 are final and will not be updated again.



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Since the fatality counts from FARS data are based on a census of fatal traffic crashes, the fatality data contained in the following tables are not subject to sampling error.

However, the injury estimates from NASS GES data are based on a nationally representative sample of policereported crashes and hence are subject to sampling errors.

The changes in injury data between 2003 and 2004 that are statistically significant (where applicable) are indicated in the respective tables with a foot note.



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Updated January 20, 2006



#### Data Sources

- Crash Data
  - Fatality Analysis Reporting System (FARS)
    - ° 2003 (and prior years) Final File
    - ° 2004 Annual Report File
  - NASS General Estimates System (GES)
    - 2004 (and prior years) Annual File
- Exposure Data
  - Vehicle Miles of Travel (VMT)
    - Federal Highway Administration (FHWA)
    - 2004 & Prior Years Annual Highway Statistics Publication
  - Registered Vehicles
    - <sup>o</sup> Based on NHTSA's Projections, R.L.Polk & FHWA
  - Population Estimates (based on 2000 Census)
    - ° Census Bureau

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



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#### 2004 Annual Assessment - Contents -

Highlights	 Page	6
Comparison of 2004 to 2003 Data & Long Term Trends	 Page	28
Fatalities by State	 Page	39
Fatalities and Injuries by Person Role and Vehicle Characteristics	 Page	43
Agency Priorities	 Page	58
Alcohol	 Page	59
Safety Belts	 Page	85
Rollovers	 Page	92
Vehicle Compatibility	 Page	105
Other Focus Areas	 Page	114
Motorcycles	 Page	115
Large Trucks	 Page	128
Speeding	 Page	136
Intersection Related & Roadway Departure	 Page	139
Non-Occupants	 Page	141
Children & Youth	 Page	144
Young Drivers	 Page	155

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



## 2004 Annual Assessment Highlights



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





#### The Number of Persons Killed and Injured in Motor Vehicle Crashes in 2004 dropped from 2003, Killed by 0.6% and Injured by 3.5%



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### Persons Killed and Injured

	Year		Year		%
	2003 2004 (		Change		
Persons Killed	42,884	42,636	-0.6%		
Persons Injured	2,889,000	2,788,000	-3.5%*		

\*Changes in Persons Injured are statistically significant at 95% confidence intervals. Sources: FARS, NASS GES



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



## The Motor Vehicle Crash Fatality Rate Per 100 Million VMT declined 2.7%, to the lowest since record keeping began 30 years ago

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Updated January 20, 2006



Exposure Data and Rates

	Year		%
Exposure Measure	2003 2004		Change
Vehicle Miles Traveled*	2,890,450	2,962,513	+2.5%
Fatality Rate/100M VMT	1.48	1.44	-2.7%

\*FHWA's 2004 Highway Statistics

Sources: FARS, FHWA



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



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#### Fatality Rate Per 100 Million VMT, by Year



Sources: FARS, FHWA

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Updated January 20, 2006



#### Had

## the 2004 Fatality Rate / 100M VMT Remained at the 2003 Level, an Additional 1,209 People Would have Died



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Updated January 20, 2006





Year		
2003	2004	
2,890,450	2,962,513	
42,884	42,636	
1.48	1.44	
Estimated Fatalities in 2004 at 2003 Rate		
	1,209	
	2003 2,890,450 42,884 1.48	

\*FHWA's Highway Statistics 2004

Sources: FARS, FHWA



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



27 States, The District of Columbia and **Puerto Rico had Decreases** in Total Number of Fatalities Largest Absolute Decreases: **Texas:** -238 Michigan: -124 California: -104 Highest Percentage Decreases: District of Columbia: -36% Rhode Island: -20% Minnesota, Nebraska and Montana: -13%

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Updated January 20, 2006



#### Motor Vehicle Occupant and Non-Occupant **Fatalities Declined** However, Motorcycle Rider fatalities Increased for the 7<sup>th</sup> year in a Row



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Updated January 20, 2006



#### Persons Killed in Motor Vehicle Crashes, by Role

Role	2003	2004	Change	% Change
Occupants	33,627	33,134	-493	-1.5%
Motorcycle Riders	3,714	4,008	+294	+7.9%
Non-Occupants	5,543	5,494	-49	-0.9%
TOTAL	42,884	42,636	-248	-0.6%

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### The 578 Drop in Passenger Vehicle Occupant Fatalities Is the Largest Drop Both in Terms of Number and Percent Since 1992



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Updated January 20, 2006



#### Passenger Vehicle Occupant Fatalities, by Year





#### Total Alcohol-Related Fatalities Declined (2.4%) to the Lowest Level Since 1999

## High BAC Fatalities Declined by 1.8%



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Updated January 20, 2006



#### Persons Killed by Highest BAC in Crash

Hickort RAC in Crach	Ye	Year		
Highest BAC in Crash	2003	2004	Change	
Total Alcohol-Related	17,105	16,694	-2.4%	
.01 <= Max BAC <= .07	2,427	2,285	-5.9%	
Max BAC >= .08	14,678	14,409	-1.8%	

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### The Percentage of Unrestrained **Passenger Vehicle Occupants Killed in Crashes** Declined again Which may reflect the Increasing Use of Safety Belts



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Updated January 20, 2006



#### Passenger Vehicle Occupant Fatalities (All Ages), by Restraint Use\*

Restraint Use	Year			
	2003		2004	
Persons Killed	32,271		31,693	
Restraint Used**	14,075	44%	14,118	45%
Restraint Not Used	18,196	56%	17,575	55%

\*Occupant Fatalities whose restraint use was unknown were distributed proportionally to the known use categories. Restraint use was unknown for 8% of passenger vehicle occupant fatalities in 2003 and 7% in 2004. \*\* Restraint Used = Use of any type of restraint, e.g., lap belt, lap/shoulder belt, child safety seat, etc.

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



- The Number of Passenger Vehicle Occupants Killed in Rollover Crashes Increased by 1.1%
- The Passenger Vehicle Occupant Fatality Rate per 100,000 Registered Vehicles in Rollover Crashes Declined by 1.9%



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Updated January 20, 2006



Passenger Vehicle Occupant Fatalities and Fatality Rate\* in Rollover Crashes

	2003	2004	% Change
Fatalities	10,442	10,553	+1.1%
Fatality Rate*	4.82	4.73	-1.9%

\*Rate per 100,000 Registered Vehicles

Sources: FARS, R.L Polk



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



# The Number of Fatalities Increased for Children 0 - 3 years by 3.2% Children 4 - 7 years by 2.7%

#### The Number of Fatalities for Children 8 – 15 years remained essentially unchanged



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Updated January 20, 2006



Children, Ages 0 - 15, Killed in Motor Vehicle Crashes, by Age Group

Acc Group	Year		Year		%
Age Group	2003	2004	Change		
0 - 3 Years	494	510	+3.2%		
4 - 7 Years	474	487	+2.7%		
8 - 15 Years	1,611	1,608	-0.2%		

Source: FARS



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Updated January 20, 2006



### Comparison of 2004 Data to 2003 Data and Long Term Trends



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Updated January 20, 2006





- 248 fewer persons died in Motor Vehicle Traffic Crashes as compared to 2003 – a decline of 0.6%
- The Number of Persons Injured dropped by 3.5%\*
- The Number of Non-Fatal crashes declined by 2.3%\*

\*Statistically significant at 95% confidence Intervals

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Updated January 20, 2006



#### Persons Killed and Injured and Number of Crashes

	Year		% Change
	2003	2004	% Change
Persons Killed	42,884	42,636	-0.6%
Persons Injured	2,889,000	2,788,000	-3.5%*
	·		
Fatal Crashes	38,477	38,253	-0.6%
Nonfatal Crashes	6,289,000	6,143,000	-2.3%*
Injury Crashes	1,925,000	1,862,000	-3.3%
Property-Damage-Only	4,365,000	4,281,000	-1.9%

\*Changes in Persons Injured and Nonfatal Crashes are statistically significant at 95% confidence intervals. Sources: FARS, NASS GES



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Updated January 20, 2006



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#### Persons Killed in Traffic Crashes by Year



Source: FARS

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Updated January 20, 2006



#### Non-Fatal Crashes and Persons Injured, by Year







> Measures of Exposure

Vehicle Miles of Travel Registered Vehicles Total U.S. Population

All Increased



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Updated January 20, 2006





	Ye	%	
Exposure Measure	2003	2004	Change
Vehicle Miles Traveled (millions)*	2,890,450	2,962,513	+2.5%
Registered Vehicles**	230,788,209	237,961,437	+3.1%
Population	290,788,976	293,655,404	+1.0%

\*FHWA's 2004 Highway Statistics

\*\*Based on NHTSA's Projections

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Sources: R.L. Polk, FHWA, Census Bureau

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Updated January 20, 2006





#### Fatalities per 100 million VMT declined 2.7% and remained below 1.50 for the second consecutive year

#### Other Fatality and Injury Rates also continued to decline



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Updated January 20, 2006



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#### Motor Vehicle Crash Fatality and Injury Rates

Dete	Yea	%	
Rate	2003	2004	Change
Persons Killed			
/100M VMT	1.48	1.44	-2.7%
/100K Reg. Vehicles*	18.59	17.92	-3.6%
/100K Population	14.75	14.52	-1.6%
Persons Injured			
/100M VMT	100	94	-6.0%
/100K Reg. Vehicles*	1,252	1,172	-6.4%
/100K Population	993	950	-4.3%

\*Reg. Vehicles Based on NHTSA's Adjustments to FHWA data Sources: FARS, NASS GES, FHWA, and Census Bureau

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006


# Fatality Rate Per 100 Million VMT, by Year



Sources: FARS / FHWA VMT





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# Injury Rate Per 100 Million VMT, by Year



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





- 27 States, The District of Columbia and Puerto Rico had Decreases in the Total Number of Fatalities
  - Largest Absolute Decreases
    - Texas: -238
    - Michigan: -124
    - ° California: -104
  - Highest Percentage Decreases
    - District of Columbia: -36%
    - ° Rhode Island: -20%
    - Minnesota, Nebraska, Montana: -13%

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Number of Persons Killed in Motor Vehicle Traffic Crashes, By State

State	2003	2004	% Change	State	2003	2004	% Change
Alabama	1,004	1,154	+15%	Florida	3,169	3,244	+2.4%
Alaska	98	101	+3.1%	Georgia	1,603	1,634	+1.9%
Arizona	1,118	1,150	+2.9%	Hawaii	133	142	+6.8%
Arkansas	640	704	+10%	Idaho	293	260	-11%
California	4,224	4,120	-2.5%	Illinois	1,454	1,356	-6.7%
Colorado	642	665	+3.6%	Indiana	833	947	+14%
Connecticut	298	291	-2.3%	Iowa	443	390	-12%
Delaware	142	134	-5.6%	Kansas	469	461	-1.7%
Dist of Columbia	67	43	-36%	Kentucky	928	964	+3.9%

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Number of Persons Killed in Motor Vehicle Traffic Crashes, By State

State	2003	2004	% Change	State	2003	2004	% Change
Louisiana	940	904	-3.8%	Nebraska	293	254	-13%
Maine	207	194	-6.3%	Nevada	368	395	+7.3%
Maryland	650	643	-1.1%	New Hampshire	127	171	+35%
Massachusetts	462	476	+3.0%	New Jersey	733	731	-0.3%
Michigan	1,283	1,159	-9.7%	New Mexico	439	521	+19%
Minnesota	655	567	-13%	New York	1,493	1,493	0%
Mississippi	872	900	+3.2%	North Carolina	1,553	1,557	+0.3%
Missouri	1,232	1,130	-8.3%	North Dakota	105	100	-4.8%
Montana	262	229	-13%	Ohio	1,274	1,286	+0.9%

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Number of Persons Killed in Motor Vehicle Traffic Crashes, By State

State	2003	2004	% Change	State	2003	2004	% Change
Oklahoma	671	774	+15%	Utah	309	296	-4.2%
Oregon	512	456	-11%	Vermont	69	98	+42%
Pennsylvania	1,577	1,490	-5.5%	Virginia	943	925	-1.9%
Rhode Island	104	83	-20%	Washington	600	563	-6.2%
South Carolina	969	1,046	+7.9%	West Virginia	394	411	+4.3%
South Dakota	203	197	-3.0%	Wisconsin	848	792	-6.6%
Tennessee	1,193	1,288	+8.0%	Wyoming	165	164	-0.6%
Texas	3,821	3,583	-6.2%	National	42,884	42,636	-0.6%
Source: FARS				Puerto Rico	495	494	-0.2%



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





# Fatalities and Injuries by Person Role and Vehicle Characteristics



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



2004 Annual Assessment

#### Motor Vehicle Occupant and Non-Occupant Fatalities Declined

Occupants: -1.5% Non-Occupants: -0.9%

#### Motorcycle Rider Fatalities Increased 7.9%



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Updated January 20, 2006



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## Persons Killed in Motor Vehicle Crashes, by Role

Role	Yeo	ır	Chanaa	% Change	
Role	2003	2004	Change		
Occupants*	33,627	33,134	-493	-1.5%	
Drivers	23,352	23,063	-289	-1.2%	
Passengers	10,171	9,991	-180	-1.8%	
Motorcycle Riders	3,714	4,008	+294	+7.9%	
Non-Occupants	5,543	5,494	-49	-0.9%	
Pedestrians	4,774	4,641	-133	-2.8%	
Pedalcyclists	629	725	+96	+15%	
Other**	140	128	-12	-8.6%	
TOTAL	42,884	42,636	-248	-0.6%	

\*Includes unknown occupants of motor vehicles in transport.

\*\*Includes occupants of motor vehicles not in transport and of non-motor vehicle transport devices.

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006

Source: FARS



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### Persons Injured in Motor Vehicle Crashes, by Role

Role	Yea	% Change	
Role	2003	2004	% Change
Occupants	2,697,000	2,594,000	-3.8%*
Drivers	1,840,000	1,782,000	-3.2%
Passengers	857,000	811,000	-5.4%
Motorcycle Riders	67,000	76,000	+13%*
Non-Occupants	124,000	118,000	-4.8%
Pedestrians	70,000	68,000	-2.9%
Pedalcyclists	46,000	41,000	-11%
Other**	8,000	9,000	+13%
TOTAL	2,889,000	2,788,000	-3.5%

Note: Totals may not add due to rounding. Percentages computed after rounding. **Source: NASS GES** \*Changes in Occupants and Motorcycle Riders injured are statistically significant at 95% confidence intervals. \*\*Includes occupants of motor vehicles not in transport and of non-motor vehicle transport devices.

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





- Occupant Fatalities in Passenger Cars declined by 3.2%
- Occupant Fatalities in LTV's increased by 0.4%
  - Increased in SUVs by 5.6%
- Occupant Fatalities in Large Trucks increased by 4.8%



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



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#### Occupants Killed in Motor Vehicle Crashes, by Type of Vehicle

Turne of Mahiela	Ye	ar	Change	%
Type of Vehicle	2003	2004	Change	Change
Passenger Vehicles	32,271	31,693	-578	-1.8%
Passenger Cars	19,725	19,091	-634	-3.2%
LTVs*	12,546	12,602	+56	+0.4%
Vans	2,080	2,036	-44	-2.1%
SUVs	4,483	4,735	+252	+5.6%
Pickup Trucks	5,957	5,801	-156	-2.6%
Large Trucks	726	761	+35	+4.8%
Other Vehicles**	518	556	+38	+7.3%
Unknown Vehicle Type	112	124	+12	+11%

\*LTV = Pickup Truck, Van, Sport Utility Vehicle and other/unknown LTVs Source: FARS \*\*Includes vehicle occupant fatalities in buses and other, e.g., farm equipment, construction equipment, etc., vehicle types. Excludes motorcycle riders.

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### Occupants Injured in Motor Vehicle Crashes, by Type of Vehicle

Turne of Makiala	Yea	% Charac	
Type of Vehicle	2003	2004	% Change
Passenger Vehicles	2,646,000	2,543,000	-3.9%
Passenger Cars	1,756,000	1,643,000	-6.4%*
LTVs**	889,000	900,000	+1.2%
Vans	203,000	211,000	+3.9%
SUVs	338,000	364,000	+7.7%*
Pickup Trucks	333,000	309,000	-7.2%*
Large Trucks	27,000	27,000	0%
Other Vehicles***	25,000	24,000	-4.0%

Note: Totals may not add due to rounding. Percentages computed after rounding. **Source: NASS GES** \*Changes in Passenger Cars, SUVs and Pickup Trucks are statistically significant at 95% confidence intervals \*\*LTV = Pickup Truck, Van, Sport Utility Vehicle and other/unknown LTVs \*\*\*Includes vehicle occupants injured in buses and other vehicle types. Excludes motorcycle riders.

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



# Occupants Killed in Passenger Vehicles, by Year



Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



## 2004 Annual Assessment Shows

The number of registered vehicles increased for all types of passenger vehicles.

Among all types of passenger vehicles, SUVs had the largest increase (11%) in registrations.



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



# Registered Passenger Vehicles, by Vehicle Type

Type of Vehicle	2003	2004	% Change
Passenger Vehicles*	216,729,606	223,213,958	+3.0%
Passenger Cars	131,549,941	133,275,377	+1.3%
Light Trucks and Vans	85,179,665	89,938,581	+5.6%
Vans	18,555,362	18,931,753	+2.0%
SUVs	28,354,796	31,415,143	+11%
Pickup Trucks	37,288,653	38,557,291	+3.4%

\*Includes Other Light Trucks

Source: R.L.Polk



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





# LTV Registrations continue to Increase at a faster rate than Registrations of Passengers Cars



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



# Passenger Vehicle Registrations by Year



\*Light Trucks include SUVs, Vans, Pickup Trucks and Other/Unknown Light Trucks Source: R.L. Polk 2004 Annual Assessment of Motor Vehicle Crashes Updated January 20, 2006 NHTSA's National Center for Statistics & Analysis 54





# The Passenger Vehicle Occupant Fatality Rate per 100,000 Registered Vehicles Declined for all types of Vehicles



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Passenger Vehicle Occupant Fatality Rate\*, by Type of Vehicle

Type of Vehicle	2003	2004	% Change
All Passenger Vehicles**	14.89	14.20	-4.6%
Passenger Cars	14.99	14.32	-4.5%
Light Trucks and Vans	14.73	14.01	-4.9%
Vans	11.21	10.75	-4.1%
SUVs	15.81	15.07	-4.7%
Pickup Trucks	15.98	15.05	-5.8%

\*Rate per 100,000 Registered Vehicles

\*\*Includes Other Light Trucks

Sources: FARS, R.L Polk

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### Passenger Vehicle Occupant Fatality Rate\*, by Type of Vehicle and Year



\*Rate per 100,000 Registered Vehicles

Sources: FARS, R.L. Polk

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



2004 Annual Assessment

# AGENCY PRIORITIES

# Alcohol Safety Belts Rollovers Vehicle Compatibility



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Updated January 20, 2006





#### Total Alcohol-Related Fatalities and Fatalities at Max BAC >= .08 g/dl are at Their Lowest Levels since 1999

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Updated January 20, 2006



Agency Priority Alcohol

# Fatalities at Max BAC>= .08 g/dl Declined at a lower Rate (-1.8%) Than fatalities at .00 > BAC >=.07 g/dl (-5.9%)



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



## Persons Killed by Highest BAC in Crash

Lichart DAC in Creak	Ye	%	
Highest BAC in Crash	2003	2004	Change
Total Alcohol-Related*	17,105	16,694	-2.4%
Alcohol Fatalities/100M VMT	0.59	0.56	
% All Fatalities	40%	39%	
.01 <= Max BAC <= .07	2,427	2,285	-5.9%
.01 <= Max BAC <= .04	1,255	1,143	-8.9%
.05 <= Max BAC <= .07	1,172	1,142	-2.6%
Max BAC >= .08	14,678	14,409	-1.8%
Max BAC >=.08 Fatalities/100M VMT	0.51	0.49	
*Total may not add due to nounding		Sources: EADS /	

\*Total may not add due to rounding.

Sources: FARS / FHWA VMT

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2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### Persons Killed in Alcohol-Related Traffic Crashes, by Year





Alcohol - Related Fatalities by State

- 32 States and the District of Columbia had Decreases in the number of Alcohol-Related Fatalities
- 31 States and the District of Columbia had Decreases in the number of Fatalities in Crashes where the Max BAC was greater than or equal to .08 g/dl



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



# Alcohol Related Fatalities by State

State	2003		2004		2003 to 2004 Change	
	Total A/R	BAC=.08+	Total A/R	BAC=.08+	Total A/R	BAC=.08+
Alabama	414	361	442	394	28	33
Alaska	37	33	31	30	-6	-3
Arizona	471	411	435	376	-36	-35
Arkansas	252	201	276	236	24	35
California	1,629	1,377	1,643	1,367	14	-10
Colorado	252	228	259	225	7	-3
Connecticut	137	119	127	112	-10	-7
Delaware	61	51	51	48	-10	-3
District of Columbia	35	31	18	12	-17	-19
Florida	1,287	1,101	1,222	1,053	-65	-48
Georgia	483	416	525	450	42	34

A/R=Alcohol Related (BAC = .01+)

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Source: FARS

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



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# Alcohol Related Fatalities by State

State	20	03	20	04	2003 to 2004 Change		
	Total A/R	BAC=.08+	Total A/R	BAC=.08+	Total A/R	BAC=.08+	
Hawaii	71	52	65	52	-6	0	
Idaho	106	89	93	81	-13	-8	
Illinois	637	540	604	517	-33	-23	
Indiana	261	223	299	254	38	31	
Iowa	145	119	110	91	-35	-28	
Kansas	199	172	148	121	-51	-51	
Kentucky	277	242	308	269	31	27	
Louisiana	410	370	414	345	4	-25	
Maine	75	69	70	58	-5	-11	
Maryland	287	215	286	231	-1	16	
Massachusetts	215	172	203	181	-12	9	
A/R=Alcohol Related (BAC = .01+) Source: FARS							

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



# Alcohol Related Fatalities by State

State	20	2003		2004		2003 to 2004 Change	
	Total A/R	BAC=.08+	Total A/R	BAC=.08+	Total A/R	BAC=.08+	
Michigan	485	396	430	367	-55	-29	
Minnesota	266	223	184	170	-82	-53	
Mississippi	321	291	341	317	20	26	
Missouri	493	414	449	388	-44	-26	
Montana	127	108	106	100	-21	-8	
Nebraska	121	99	92	78	-29	-21	
Nevada	180	156	152	133	-28	-23	
New Hampshire	51	42	59	51	8	9	
New Jersey	279	238	270	227	-9	-11	
New Mexico	206	176	211	185	5	9	
New York	540	470	587	494	47	24	

A/R=Alcohol Related (BAC = .01+)

NCSP

Source: FARS

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



NCSP

# Alcohol Related Fatalities by State

State	20	03	2004		2003 to 2004 Change	
	Total A/R	BAC=.08+	Total A/R	BAC=.08+	Total A/R	BAC=.08+
North Carolina	528	452	553	496	25	44
North Dakota	53	46	39	35	-14	-11
Ohio	466	401	492	418	26	17
Oklahoma	260	223	278	245	18	22
Oregon	207	176	199	159	-8	-17
Pennsylvania	621	541	614	541	-7	0
Rhode Island	59	54	42	41	-17	-13
South Carolina	490	426	464	413	-26	-13
South Dakota	97	89	86	76	-11	-13
Tennessee	443	398	519	454	76	56
Texas	1,771	1,551	1,642	1,417	-129	-134
A/R=Alcohol Related (BAC = .01+) Source: FARS					Source: FARS	

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



# Alcohol Related Fatalities by State

State	20	03	20	04	2003 to 2004 Change	
	Total A/R	BAC=.08+	Total A/R	BAC=.08+	Total A/R	BAC=.08+
Utah	47	39	72	70	25	31
Vermont	29	21	32	20	3	-1
Virginia	367	311	359	307	-8	-4
Washington	261	226	246	223	-15	-3
West Virginia	148	126	136	114	-12	-12
Wisconsin	388	342	358	318	-30	-24
Wyoming	63	50	59	54	-4	4
National	17,105	14,678	16,694	14,409	-411	-269
Puerto Rico	235	185	248	221	13	36

A/R=Alcohol Related (BAC = .01+)

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





The number of Occupants and Non-occupants killed in alcohol-related crashes declined
Occupants by 2.8%

> Non-occupants by 2.5%

The largest decline was for pedestrians killed in such crashes (3.1%)

The number of Motorcycle Riders killed in alcoholrelated crashes increased by less than 1% when compared with the 7.9% increase in the overall Motorcycle Rider Fatalities



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### Persons Killed in Alcohol-Related Crashes, by Role

Role	Yeo	ar	Change	% Change
NOIE	2003	2004		
Occupants*	12,997	12,636	-361	-2.8%
Drivers	9,445	9,185	-260	-2.8%
Passengers	3,512	3,418	-94	-2.7%
Motorcycle Riders	1,547	1,560	+13	+0.8%
Non-Occupants	2,561	2,498	-63	-2.5%
Pedestrians	2,282	2,211	-71	-3.1%
Pedalcyclists	235	249	+14	+6.0%
Other**	44	39	-5	-11%
TOTAL	17,105	16,694	-411	-2.4%

\* Totals include occupants whose seating position was unknown.

Source: FARS

\*\*Includes occupants of motor vehicles not in transport and of non-motor vehicle transport devices.

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### Persons Injured in Alcohol-Related Crashes, by Role

Dala	Year	% Champan	
Role	2003	2004	% Change
Total Occupants	254,000	226,000	-11%*
Drivers	171,000	158,000	-7.6%*
Passengers	83,000	68,000	-18%*
Motorcycle Riders	6,000	9,000	+50%
Non-Occupants	15,000	13,000	-13%
Pedestrians	10,000	9,000	-10%
Pedalcyclists	4,000	3,000	-25%
Other**	1,000	1,000	0%
TOTAL	275,000	248,000	-9.8%

Note: Totals may not add due to rounding. Percentages computed after rounding. Source: NASS GES \*Changes in Total Occupants, Drivers and Passengers injured are statistically significant at 95% confidence intervals.

\*\*Includes occupants of motor vehicles not in transport and of non-motor vehicle transport devices.

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





Occupants of Passenger Cars, Vans and Pickup Trucks killed in alcohol-related crashes Declined

However, the number of SUV occupants killed in alcohol-related crashes Increased by 7.8%. SUV Registrations Increased by 11% from 2003



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006


### Occupants Killed in Alcohol-Related Crashes, by Vehicle Type

Turne of Vehicle	Ye	Year		
Type of Vehicle	2003	2004	Change	
Motor Vehicle Occupants Killed*	12,997	12,636	-2.8%	
Passenger Cars	7,521	7,228	-3.9%	
Vans	600	542	-9.7%	
SUVs	1,746	1,882	+7.8%	
Pickup Trucks	2,797	2,656	-5.0%	
Large Trucks	77	72	-6.5%	

\*Includes Buses, Other Vehicles and Vehicles with Unknown Body Type

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Occupants and Motorcycle Riders Killed in Alcohol-Related Crashes, by Type of Vehicle



Source: FARS

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



2004 Data Show ...

The Number of Alcohol-Involved (BAC > .00) Passenger Car Drivers in Fatal Crashes declined by 4.4%

However, the number of such drivers of SUVs increased by 7.5% (SUV Registrations increased by 11% from 2003)



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Alcohol-Involved Drivers and Motorcycle Operators Involved in Fatal Crashes by Vehicle Type

Tune of Vehicle	Ye	Year		
Type of Vehicle	2003	2004	Change	
Passenger Cars	6,900	6,599	-4.4%	
Vans	597	548	-8.2%	
SUVs	1,846	1,984	+7.5%	
Pickup Trucks	3,168	2,997	-5.4%	
Large Trucks	98	100	+2.0%	
Buses/Other/Unknown	340	342	+0.6%	
TOTAL (Excludes Motorcycle Operators)	12,949	12,570	-2.9%	
Motorcycles	1,381	1,382	+0.1%	

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Alcohol-Involved Drivers and Motorcycle Operators in Fatal Crashes, by Vehicle Type



Source: FARS

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





- The Median BAC Value for Alcohol-Involved Drivers and Motorcycle Operators continued to be .16 BAC g/dl
- Which means more than half of all alcohol-involved drivers and motorcycle operators had BACs higher than twice the legal limit in most states



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



2004 Annual Assessment of Motor Vehicle Crashes

NCS

Updated January 20, 2006



Alcohol-Involved Drivers and Motorcycle Operators in Fatal Crashes with Positive BACs (BAC>O), by Cumulative BAC Level, 2004







## The Number of Persons Killed in crashes involving at least one Driver or Motorcycle Operator with a BAC at or above the legal limit of .08 g/dl declined by 1.7%

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2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



# Alcohol-Related Fatalities by Role of Person with Alcohol

Role of Person with	B	BAC=.0	1+	BAC=.08+		
Alcohol	2003	2004	%Change	2003	2004	%Change
Driver Only	13,519	13,178	-2.5%	11,604	11,406	-1.7%
Motorcycle Operator Only	1,309	1,327	+1.4%	1,075	1,101	+2.4%
Driver+Motorcycle Operator	99	80	-19%	52	42	-19%
Driver/Motorcycle Operator + Non Occupant	498	460	-7.6%	366	324	-11%
Subtotal	15,423	15,045	-2.5%	13,096	12,874	-1.7%
Non Occupants Only	1,644	1,614	-1.8%	1,548	1,502	-2.9%
Other	38	35	-7.9%	35	33	-5.7%
Total	17,105	16,694	-2.4%	14,678	14,409	-1.8%

Counts may not add up due to independent rounding. Percents are based on unrounded estimates Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



2004 Data Show ...

In 2004, about 1,189 fatalities occurred in crashes involving alcohol-involved driver(s) and motorcycle operators who had at least one previous DWI conviction

--- Accounting for 7% of all alcohol-related fatalities and remained unchanged from 2003

NCSA

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Alcohol-Involved Drivers and Motorcycle **Operators in Fatal Crashes with** Previous Alcohol Convictions

	Year		
	2003	2004	
Drivers* who were Alcohol-Involved and had previous (within 3 years) Alcohol Conviction(s)	1,111	1,039	
Percent of All Alcohol-Involved Drivers*	8%	7%	
Number of Fatalities in Crashes in which Drivers* were Alcohol-Involved and had previous Alcohol Conviction(s)	1,247	1,189	
Percent of Alcohol-Related Fatalities	7%	7%	
Includes Motorcycle Operators	S	ource: FARS	

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Agency Priority Safety Belts

# The Percentage of Unrestrained **Passenger Vehicle Occupants Killed in Crashes Declined** again Which May Reflect the Increasing Use of Safety Belts



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### Passenger Vehicle Occupant Fatalities (All Ages), by Restraint Use\*

Restraint Use	Year				
Restraint Use	2003		2004		
Occupants Killed	32,271		31,693		
Restraint Used**	14,075	14,075 44%		45%	
Restraint Not Used	18,196	56%	17,575	55%	

\*Occupant Fatalities whose restraint use was unknown were distributed proportionally to the known use categories. Restraint use was unknown for 8% of passenger vehicle occupant fatalities in 2003 and 7% in 2004. \*\* Restraint Used = Use of any type of restraint, e.g., lap belt, lap/shoulder belt, child safety seat, etc.

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



NCS

Percent of Total Passenger Vehicle Occupant Fatalities that were Unrestrained, by Year



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





- More than 3 of 5 (62%) of teen (ages 16-20) passenger vehicle occupants killed were unrestrained
- This compares to 54% for fatally injured adults 21 years of age or older who were unrestrained



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Passenger Vehicle Occupant Fatalities Teens (16-20) and Adults (21+), by Restraint Use\*

Restraint Use		Yea	r	
Restraint Use	200	3	2004	
Ages 16-20	5,28	8	5,13	5
Restraint Used**	1,962 37%		1,961	38%
Restraint Not Used	3,326	63%	3,174	62%
Ages 21 and older	ges 21 and older 25,132		24,62	25
Restraint Used**	11,294	45%	11,266	46%
Restraint Not Used	13,838	55%	13,359	54%

\*Occupant Fatalities whose restraint use was unknown were distributed proportionally to the known use categories. Note: Totals may not add due to rounding.

\*\*Restraint Used = Use of any type of restraint, e.g., lap belt, lap/shoulder belt, child safety seat, etc.

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





# The Number of Unrestrained Passenger Vehicle Occupants Killed in Alcohol-Related Crashes Declined



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Passenger Vehicle Occupant Fatalities in Alcohol-Related Crashes, by Restraint Use\*

Restraint Use	Year				
	200	3	2004		
Total	12,669		12,319		
Restraint Used**	3,805	3,805 30%		31%	
Restraint Not Used	8,864	70%	8,449	69%	

\*Occupant Fatalities whose restraint use was unknown were distributed proportionally to the known use categories. \*\* Restraint Used = Use of any type of restraint, e.g., lap belt, lap/shoulder belt, child safety seat, etc.

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





- The Total Number of Passenger Vehicle Occupants Killed in Rollover Crashes Increased slightly while the number injured declined slightly
- SUVs accounted for most of the increases in fatalities with a 9.7% increase. SUV Registrations increased by 11% from 2003

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Passenger Vehicle Occupants Killed and Injured in Rollover Crashes, by Type of Vehicle

Tune of Vehicle	Ye	ar	% Change	
Type of Vehicle	2003	2004	% Change	
Occupants Killed*	10,442	10,553	+1.1%	
Passenger Cars	4,464	4,334	-2.9%	
Vans	728	692	-4.9%	
SUVs	2,661	2,920	+9.7%	
Pickup Trucks	2,580	2,591	+0.4%	
Occupants Injured*	229,000	226,000	-1.3%	
Passenger Cars	99,000	92,000	-7.1%	
Vans	17,000	19,000	+12%	
SUVs	67,000	68,000	+1.5%	
Pickup Trucks	44,000	45,000	+2.3%	

Note: Totals for injured may not add due to rounding. Percentages computed after rounding.

\*Total Killed and injured includes Occupants of Other Light Trucks

Sources: FARS, NASS GES

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Passenger Vehicle Occupants Killed in Rollover Crashes, by Type of Vehicle and Year







## Passenger Vehicle Occupant Fatality Rates in Rollover Crashes per 100,000 Registered Vehicles declined



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### Passenger Vehicle Occupant Fatality Rate\* in Rollover Crashes, by Type of Vehicle

Type of Vehicle	*Rate per 100,000 Registered Vehicles				
	2003	2004	% Change		
Passenger Vehicles**	4.82	4.73	-1.9%		
Passenger Cars	3.39	3.25	-4.1%		
Light Trucks and Vans	7.02	6.91	-1.6%		
Vans	3.92	3.66	-6.6%		
SUVs	9.38	9.29	-1.0%		
Pickup Trucks	6.92	6.72	-2.9%		

**\*\*Includes** Other Light Trucks

Sources: FARS, R.L. Polk

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Passenger Vehicle Occupant Fatality Rate\* in Rollover Crashes, by Type of Vehicle and Year



\*Rate per 100,000 Registered Vehicles

Sources: FARS, R.L. Polk

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





## 62% of SUV Occupant Fatalities occurred in Rollover Crashes

The Type of Vehicle with the Next Highest Percentage (45%) was Pickup Trucks



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### Passenger Vehicle Occupants Killed and Injured, by Percent Rollover and Type of Vehicle

Vahiela Tura		2003		2004		
Vehicle Type		Rollo	ver	<b>T</b>	Rolla	
	— Total	Yes	No	Total	Yes	No
Occupants Killed						
Passenger Cars	19,725	23%	77%	19,091	23%	77%
Vans	2,080	35%	65%	2,036	34%	66%
SUVs	4,483	59%	41%	4,735	62%	38%
Pickup Trucks	5,957	43%	57%	5,801	45%	55%
Occupants Injured	·	·				
Passenger Cars	1,756,000	6%	94%	1,643,000	6%	94%
Vans	203,000	9%	91%	211,000	9%	91%
SUVs	338,000	20%	80%	364,000	19%	81%
Pickup Trucks	333,000	13%	87%	309,000	15%	85%

Sources: FARS, NASS GES



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





- Overall, Passenger Vehicle Occupant Fatalities in Single Vehicle Rollover Crashes Increased slightly
- However, by Vehicle Type, only SUVs had an increase in Single Vehicle Rollover Fatalities (10%). SUV Registrations increased 11% over 2003.



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Passenger Vehicle Occupants Killed in Single Vehicle Rollover Crashes, by Type of Vehicle

Tune of Vehicle	Ye	ar	% Change
Type of Vehicle	2003 2004		% Change
Occupants Killed*	8,529	8,565	+0.4%
Passenger Cars	3,752	3,640	-3.0%
Vans	521	487	-6.5%
SUVs	2,120	2,331	+10%
Pickup Trucks	2,130	2,100	-1.4%

\* Includes Occupants of Other Light Trucks

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Passenger Vehicle Occupants Killed in Single Vehicle Rollover Crashes, by Type of Vehicle and Year



Source: FARS



NHTSA's National Center for Statistics & Analysis

2004 Annual Assessment of Motor Vehicle Crashes





## 75% of Single Vehicle SUV Occupant Fatalities were in Rollover Crashes

The Type of Vehicle with the Next Highest Percentage (60%) was Pickup Trucks



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006

#### Passenger Vehicle Occupants Killed in Single Vehicle Crashes by Type of Vehicle and Percent Rollover

	2003			2004			
Vehicle Type	<b>T</b> . + . 1	Rollover		Total	Roll	over	
	Total	Yes	No	Total	Yes	No	
Passenger Cars	8,465	44%	56%	8,190	44%	56%	
Vans	892	58%	42%	821	59%	41%	
SUVs	2,850	74%	26%	3,110	75%	25%	
Pickup Trucks	3,571	60%	40%	3,479	60%	40%	

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Agency Priority Vehicle Compatibility

# Two-Vehicle Crashes between Passenger Cars and LTVs



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





# The Number of Occupants killed or Injured in Two-Vehicle Crashes between a Passenger Car and an LTV (Pickup Truck, Van or SUV) Declined



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Occupants Killed and Injured in Two Vehicle Crashes Involving a Passenger Car and a LTV\*\*

	Year		%
	2003	2004	Change
Fatal Crashes			
Killed in PC	4,535	4,387	-3.3%
Killed in LTV**	1,111	1,073	-3.4%
Injury Crashes			
Injured in PC	443,000	415,000	-6.3%*
Injured in LTV**	298,000	278,000	-6.7%*

\*Changes within injury crashes are statistically significant at 95% confidence intervals.

PC = Passenger Car

\*\*LTV = Pickup Truck, Van, and Sport Utility Vehicle

Sources: FARS, NASS GES

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Occupants Killed in Two Vehicle Crashes Involving a Passenger Car and a LTV\*, by Year




Two-vehicle crashes involving a passenger car and a LTV\* continued...

- In a head-on collision, 3.6 times as many passenger car occupants were killed as LTV occupants.
- When a LTV was struck in the side by a passenger car, 1.8 times as many LTV occupants were killed as passenger car occupants.
- When a passenger car was struck in the side by a LTV, 22 times as many passenger car occupants were killed as LTV occupants.

\*Include Pickup Trucks, SUVs and Vans

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2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Occupants Killed in Two Vehicle Crashes Involving a Passenger Car and a LTV\*, by Collision Type

	Yea	Year						
	2003	2004	% Change					
	Head-on Collisi	ons						
Killed in PC	1,576	1,646	+4.4%					
Killed in LTV	475	451	-5.1%					
Passe	Passenger Car Front Strikes LTV Side							
Killed in PC	213	168	-21%					
Killed in LTV	321	297	-7.5%					
LTV Front Strikes Passenger Car Side								
Killed in PC	2,323	2,154	-7.3%					
Killed in LTV	98	100	+2.0%					

PC = Passenger Car

\*LTV = Light Trucks which include Pickup Trucks, Vans, and Sport Utility Vehicles

Source: FARS

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### Occupants Killed in Two Vehicle Crashes Involving a Passenger Car and a LTV\*, by Year

Head-on Collisions 2,000 1,500 1,000 500 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 Pass Cars \*LTV = Pickup Truck, Van, and Sport Utility Vehicle Source: FARS 2004 Annual Assessment of Motor Vehicle Crashes Updated January 20, 2006 NCS



Occupants Killed in Two Vehicle Crashes Involving a Passenger Car and a LTV\*, by Year

Passenger Car Front Strikes LTV in the Side 400 300 200 100 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 Pass Cars \*LTV = Pickup Truck, Van, and Sport Utility Vehicle

Source: FARS

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Occupants Killed in Two Vehicle Crashes Involving a Passenger Car and a LTV\*, by Year





2004 Annual Assessment

#### Other Focus Areas

Motorcycles Large Trucks Speeding Intersection Related and Roadway Departure Non-Occupants Children and Youth Young Drivers

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Other Focus Areas Motorcycles

#### Motorcycle Rider Fatalities Increased 7<sup>th</sup> Year in a Row Compared to 1997, an increase of 89% -- 1,892 more Fatalities

Reaching the level last seen in 1987



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



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# Motorcycle Riders Killed by Year



Source: FARS

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





# Motorcycle rider fatalities increased to 9.4% of all motor vehicle traffic crash fatalities



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### Total vs. Motorcycle Rider Fatalities by Year, 1997-2004

Fatalities		Year						
rataines	1997	1998	1999	2000	2001	2002	2003	2004
Total	42,013	41,501	41,717	41,945	42,196	43,005	42,884	42,636
Change		-512	+216	+228	+251	+809	-121	-248
Motorcycle Riders	2,116	2,294	2,483	2,897	3,197	3,270	3,714	4,008
Change		+178	+189	+414	+300	+73	+444	+294
Percent of all Fatalities	5.0%	5.5%	6.0%	6.9%	7.6%	7.6%	8.7%	9.4%

Source: FARS

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2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





- Motorcycle Rider Fatalities and Motorcycle Registrations have both been on the Rise since 1997
- However, in most of these years the Rate of Increase in Motorcycle Rider Fatalities has been Higher than the Rate of Increase in Motorcycle Registrations (as reflected in the rate increase).



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### Motorcycle Rider Fatality Rates, by Year, 1997-2004

Rate	Year							
NUIC	1997	1998	1999	2000	2001	2002	2003	2004
Motorcycle Riders Killed	2,116	2,294	2,483	2,897	3,197	3,270	3,714	4,008
/100M Motorcycle Miles Traveled	20.99	22.31	23.46	27.67	33.17	34.23	38.78	39.89
/100K Registered Motorcycles	55.30	59.13	59.80	66.66	65.20	65.35	69.16	69.33
Sources: FARS, FHWA								



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





The proportions of Motorcycle Rider Killed in either Single Vehicle or Multi-Vehicle Crashes varies slightly year-to-year, but has been relatively constant since 1997



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



# Motorcycle Rider Fatalities by Crash Type and Year

	Year							
	1997	1998	1999	2000	2001	2002	2003	2004
Single Vehicle Crash	937	1,042	1,140	1,307	1,469	1,540	1,629	1,808
Percent	44%	45%	46%	45%	46%	47%	44%	45%
Multiple Vehicle Crash	1,179	1,252	1,343	1,590	1,728	1,730	2,085	2,200
Percent	56%	55%	54%	55%	54%	53%	56%	55%
Total Fatalities	2,116	2,294	2,483	2,897	3,197	3,270	3,714	4,008

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





#### Motorcycle rider fatalities increased for every age group

The largest percentage increase was in the 50 and over age group, followed by the under 30 age groups



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



## Motorcycle Riders Killed, by Age Group

	Yea	r		94 Channer	
Age Group	2003	2004	Change	% Change	
Under 20	229	250	+21	+9.2%	
20-29	950	1,041	+91	+9.6%	
30-39	839	869	+30	+3.6%	
40-49	904	971	+67	+7.4%	
50+	790	876	+86	+11%	
Unknown	2	1	-1	-	
Total	3,714	4,008	+294	+7.9%	

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### Number of Motorcycle Riders Killed, by Age Group, by Year







About two-thirds (66 percent) of the fatally injured motorcycle riders were not wearing a helmet in states without universal helmet laws compared to 15% in states with universal helmet laws.



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Fatally Injured Motorcycle Riders in States with Universal Helmet Laws vs. w/o Universal Helmet Laws

	Year				
	200	2004			
Total in States with Universal Helmet Laws	1,610	100%	1,677	100%	
Helmeted	1,365	85%	1,428	85%	
Not Helmeted	245	15%	249	15%	
Total in States without Universal Helmet Laws	2,104	100%	2,331	100%	
Helmeted	615	29%	792	34%	
Not Helmeted	1,489	71%	1,539	66%	

Source: FARS

Motorcycle rider fatalities whose helmet use was unknown were distributed proportionally to the known use categories. Total fatalities may not add due to rounding.



Updated January 20, 2006



Other Focus Areas Large Trucks

- The number of persons killed in crashes involving large trucks increased by 3.1%
  Truck occupant fatalities increased by 4.8%
- Fatalities in large truck crashes increased for the second consecutive year



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



## Persons Killed in Large Truck Crashes, by Type

Turne	Ye	% Channes	
Туре	2003	2004	% Change
Truck Occupants	726	761	+4.8%
Single Vehicle	457	466	+2.0%
Multiple Vehicle	269	295	+9.6%
Other Vehicle Occupants	3,919	4,006	+2.2%
Non-Occupants	391	423	+8.2%
Total	5,036	5,190	+3.1%

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





Source: FARS



NCS

Updated January 20, 2006



# Fatality Rate\* in Large Truck Crashes, by Year



NCSA 2004 Annual

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



## Persons Injured in Large Truck Crashes, by Type

Tuno	Ye	%	
Туре	2003	2004	Change
Truck Occupants	27,000	27,000	0%
Single Vehicle	11,000	13,000	+18%
Multiple Vehicle	16,000	14,000	-13%
Other Vehicle Occupants	92,000	85,000	-7.6%
Non-Occupants	3,000	4,000	+33%
Total*	122,000	116,000	-4.9%

\*Totals may not add due to rounding. Percentages computed after rounding.

Source: NASS GES



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



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### Persons Injured in Large Truck Crashes, by Year



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Other Focus Areas Large Trucks

# Most of the Large Truck Occupant Fatalities continue to be Unrestrained



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### Large Truck Occupant Fatalities by Person Type and Restraint Use\*

Destusint Lles	Year					
Restraint Use	2003	3	2004			
Occupants Killed	726	726				
Drivers		623		634		
Restraint Used**	244	39%	272	43%		
Restraint Not Used	379	61%	362	57%		
Passengers		103		127		
Restraint Used**	11	11%	11	8%		
Restraint Not Used	92	89%	116	92%		

\*Occupant Fatalities whose restraint use was unknown were distributed proportionally to the known use categories. \*\* Restraint Used = Use of any type of restraint, e.g., lap belt, lap/shoulder belt, child safety seat, etc.

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Other Focus Areas Speeding

# Fatalities in Speeding Related Crashes Declined by 2.3%



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



## Speeding Related Crashes and Fatalities, by Year

	Year		Change	9/ 01	
	2003	2004	Change	% Change	
Crashes					
Speeding	11,868	11,585	-283	-2.4%	
Not Speeding	26,609	26,668	+59	+0.2%	
Percent Speeding	31%	30%			
Fatalities					
Speeding	13,499	13,192	-307	-2.3%	
Not Speeding	29,385	29,444	+59	+0.2%	
Percent Speeding	31%	31%			

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





Source: FARS



Updated January 20, 2006



Other Focus Areas Intersection Related and Roadway Departure

### > Intersection and Intersection Related\* Fatalities Declined by 2.6%

## > Roadway Departure\*\* Fatalities Increased slightly

\*A crash is Intersection related if the first harmful event occurs within the limits of an intersection or at an approach to or exit from an intersection only within a Non-interchange area.

- \*\* A crash is considered a roadway departure crash if it is:
- a single vehicle crash occurring off the roadway OR
- a multiple vehicle crash where the manner of collision was head-on or a side-swipe in opposite direction.

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Intersection, Intersection Related and Roadway Departure Fatalities, by Year

	Ye	ar	Change	% Change	
	2003	2004	Chunge	70 Chunge	
Intersection and Intersection Related*	9,362	9,117	-245	-2.6%	
Roadway Departure*	25,562	25,676	+114	+0.4%	

\*FHWA Definition

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Other Focus Areas Non-Occupants

# The Number of Non-Occupants Killed or Injured Declined



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



## Non-Occupants Killed or Injured, by Type

Tuno	Yea	% Change	
Туре	2003	2004	% Change
Non-Occupants Killed	5,543	5,494	-0.9%
Pedestrians	4,774	4,641	-2.8%
Pedalcyclists	629	725	+15%
Others **	140	128	-8.6%
Non-Occupants Injured*	124,000	118,000	-4.8%
Pedestrians	70,000	68,000	-2.9%
Pedalcyclists	46,000	41,000	-11%
Others **	8,000	9,000	+13%

\*Totals may not add due to rounding. Percentages computed after rounding. **Sources: FARS, NASS GES** \*\*Includes occupants of motor vehicles not in transport and of non-motor vehicle transport devices.

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



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# Pedestrians and Pedalcyclists Killed, by Year



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Other Focus Areas Children and Youth

#### Fatalities for Children Ages 0 - 3 increased by 3.2% after reaching an all time low in 2003

#### Occupant Fatalities increased for the second year in a row



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006


# Children, Ages 0-3, Killed or Injured, by Role

Role	Year			
	2003	2004	% Change	
Killed	494	510	+3.2%	
Occupants	394	422	+7.1%	
Non-Occupants	100	88	-12%	
Injured*	49,000	44,000	-10%	
Occupants	47,000	41,000	-13%	
Non-Occupants	2,000	2,000	0%	

\*Totals may not add due to rounding. Percentages computed after rounding.

Sources: FARS, NASS GES

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2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



# Children, Ages 0-3, Killed, by Year and Role





Other Focus Areas Children and Youth

# The Number of Unrestrained Children Ages 0 - 3 Killed increased after declining for 4 years in a row.



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



#### Passenger Vehicle Occupants, Ages 0-3 killed by Restraint Use\* and Year





Other Focus Areas Children and Youth

#### Fatalities for Children Ages 4 - 7 increased by 2.7%

Fatalities remained below 500 for the third consecutive year

Vehicle occupant fatalities remained the same while non-occupant fatalities increased

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2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



# Children, Ages 4-7, Killed or Injured, by Role

Role	Year		% Change	
	2003	2004	% Change	
Killed	474	487	+2.7%	
Occupants	351	350	-0.3%	
Non-Occupants	123	137	+11%	
Injured	60,000	60,000	0%	
Occupants	53,000	53,000	0%	
Non-Occupants	7,000	7,000	0%	

Note: Totals may not add due to rounding. Percentages computed after rounding.

Sources: FARS, NASS GES

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2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



# Children, Ages 4-7, Killed, by Year and Role





Other Focus Areas Children and Youth

#### Overall Fatalities in Children and Youth, Ages 8 – 15, remained unchanged

> Occupant Fatalities increased by 3.7%



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



### Children and Youth, Ages 8-15, Killed or Injured, by Role

Role	Ye	% Change	
	2003	2004	% Change
Killed	1,611	1,608	-0.2%
Occupants	1,216	1,261	+3.7%
Non-Occupants	395	347	-12%
Injured	182,000	178,000	-2.2%
Occupants	153,000	152,000	-0.7%
Non-Occupants	29,000	26,000	-10%

Note: Totals may not add due to rounding. Percentages computed after rounding.

Sources: FARS, NASS GES

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2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006











Other Focus Areas Young Drivers

#### The number of Young Drivers (Ages 16 - 20) killed declined by 1.8%

And Fatal Crash Involvements of Young Drivers remained essentially unchanged



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Number of Crashes and Persons Killed in Crashes Involving Young Drivers (Ages 16-20)

Crashes or	Year	% Change		
Persons Killed	2003	2004	% Change	
Crashes				
Fatal	7,404	7,386	-0.2%	
Injury	538,000	517,000	-3.9%	
PDO	1,212,000	1,269,000	+4.7%*	
Persons Killed				
Young Drivers	3,588	3,523	-1.8%	
Male	2,596	2,522	-2.9%	
Female	992	1,001	+0.9%	
Passengers**	2,306	2,311	+0.2%	
All Others	2,620	2,701	+3.1%	

\*Changes in Property-Damage-Only (PDO) crashes are statistically significant at 95% confidence intervals. \*\*In vehicles with young drivers **Sources: FARS, NASS GES** 

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006





→ Young Drivers → Passengers\* → All Others

\*In vehicles with young drivers

Source: FARS

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Passenger Fatalities in Vehicles Driven by a 16-20 Year Old, by Year and Age of Passenger



Source: FARS





Other Areas Day/Night

# Both Daytime and Nighttime Fatalities Declined ▷ Daytime: -128 ▷ Nighttime: -59



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



Fatalities by Day/Night

Time of Day	Ye	%	
	2003	2004	Change
Day	21,202	21,074	-0.6%
Night	21,247	21,188	-0.3%
Total*	42,884	42,636	-0.6%

\*Total includes unknown time of day.

Source: FARS

Day (6:00 am - 5:59 pm) Night (6:00 pm - 5:59 am)

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



### Persons Killed in Crashes, by Year and Time of Day



Source: FARS



Updated January 20, 2006



Other Areas Male/Female

#### Fatalities among males remained about the same

#### Fatalities among females declined by 1.6%



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



### Fatalities in Traffic Crashes, by Gender

	Year				%
Gender	2003		2004		70 Change
	Number	Percent	Number	Percent	onunge
Male	29,346	68%	29,320	69%	-0.1%
Female	13,532	32%	13,310	31%	-1.6%
Unknown	6	<1%	6	<1%	0.0%
Total	42,884	100%	42,636	100%	-0.6%

Source: FARS



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



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# Fatalities in Traffic Crashes, by Year and Gender



Source: FARS

2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006



2004 Annual Assessment

#### Questions about the data in this report may be sent by E-Mail to: ncsaweb@nhtsa.dot.gov or made by phone to: 1.800.934.8517



2004 Annual Assessment of Motor Vehicle Crashes

Updated January 20, 2006