



## Traffic Safety Facts Puerto Rico 2003-2007



This Report Contains Data From the Following Sources:

- Fatality Data - NCSA Fatality Analysis Reporting System (FARS): 2003-2006 Final File and 2007 Annual Report File (ARF)
- Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the Puerto Rico State Survey
- Vehicle Miles of Travel Data and Motorcycle Registrations - Federal Highway Administration (FHWA)
- Population Data - U.S. Bureau of the Census



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Traffic Safety Performance (Core Outcome) Measures For Puerto Rico \*

Core Outcome Measures		Year				
		2003	2004	2005	2006	2007
<b>Traffic Fatalities</b>	<b>Total</b>	495	495	457	509	452
	<b>Rural</b>	237	230	216	251	218
	<b>Urban</b>	258	265	241	258	234
	<b>Unknown</b>	0	0	0	0	0
<b>Fatalities Per 100 Million Vehicle Miles Driven**</b>	<b>Total</b>	2.65	2.54	2.35	2.59	
	<b>Rural</b>	18.66	17.86	16.69	18.84	
	<b>Urban</b>	1.48	1.45	1.33	1.41	
<b>Passenger Vehicle Occupant Fatalities (All Seat Positions)</b>	<b>Total</b>	266	249	215	227	204
	<b>Restrained</b>	104	100	88	102	85
	<b>Unrestrained</b>	162	149	127	125	119
	<b>Unknown</b>	0	0	0	0	0
<b>Alcohol-Impaired Driving Fatalities (BAC=.08+)**</b>		157	174	160	143	148
<b>Speeding-Related Fatalities</b>		234	237	217	220	228
<b>Motorcyclist Fatalities</b>	<b>Total</b>	56	63	90	115	94
	<b>Helmeted</b>	22	21	37	50	29
	<b>Unhelmeted</b>	34	42	53	65	65
	<b>Unknown</b>	0	0	0	0	0
<b>Drivers Involved in Fatal Crashes</b>	<b>Total</b>	647	625	601	658	613
	<b>Aged Under 15</b>	1	1	2	0	0
	<b>Aged 15-20</b>	69	96	76	87	92
	<b>Aged Under 21</b>	70	97	78	87	92
	<b>Aged 21 and Over</b>	532	467	487	528	483
	<b>Unknown Age</b>	45	61	36	43	38
<b>Pedestrian Fatalities</b>		150	162	134	140	144

\*These Performance Measures Were Developed By The National Highway Traffic Safety Administration (NHTSA) and the Governors Highway Safety Association (GHSA) (See Publication: DOT HS 811 025)

\*\*2007 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

\*\*\*Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only

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### Fatality Rates: Puerto Rico , U.S. and Best State

Year		Fatalities	Total Vehicle Miles Traveled (Millions)	Fatalities Per 100 Million Vehicle Miles Traveled	Total Population	Fatalities Per 100,000 Population
2003	Puerto Rico	495	18,674	2.65	3,875,818	12.77
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Puerto Rico	495	19,504	2.54	3,893,104	12.71
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Puerto Rico	457	19,411	2.35	3,909,866	11.69
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Puerto Rico	509	19,637	2.59	3,925,971	12.96
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Puerto Rico	452			3,941,459	11.47
	US	41,059	2,996,409	1.37	301,621,157	13.61
	Best State*					6.47

\*State (or States) With Lowest Rates: Lowest VMT and Population Rates Could Be in Different States

2007 National VMT is a Preliminary Estimate and Subject to Change

2007 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

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Fatalities By The Highest Blood Alcohol Concentration (BAC) in the Crash\*\*:  
 Puerto Rico , U.S. and Best State  
 (Old Definition)

Year		Total Fatalities in all Crashes	Highest BAC level in the Crash				
			BAC = .01+		BAC = .08+		Per 100 Million VMT
			Number	Percent	Number	Percent	
2003	Puerto Rico	495	235	47	185	37	0.99
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Puerto Rico	495	250	51	224	45	1.15
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Puerto Rico	457	234	51	197	43	1.01
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		12	0.14
2006	Puerto Rico	509	219	43	182	36	0.93
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Puerto Rico	452	213	47	177	39	
	US	41,059	17,036	41	14,575	35	0.49
	Best State*			23		19	

\*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States  
 \*\*Based on the BAC of All Involved Drivers, Motorcycle Riders (Operators), Pedalcyclists and Pedestrians  
 2007 National VMT is a Preliminary Estimate and Subject to Change  
 2007 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

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Alcohol-Impaired Driving Fatalities\*\*:  
Puerto Rico , U.S. and Best State  
(New Definition)

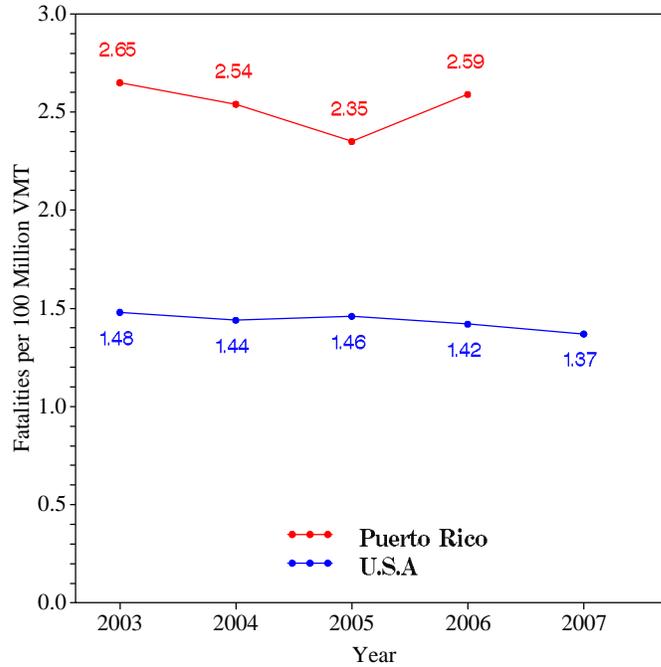
Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2003	Puerto Rico	495	157	32	0.84
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Puerto Rico	495	174	35	0.89
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Puerto Rico	457	160	35	0.82
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Puerto Rico	509	143	28	0.73
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	Puerto Rico	452	148	33	
	US	41,059	12,998	32	0.43
	Best State*			17	

\*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States  
 \*\*Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only  
 2007 National VMT is a Preliminary Estimate and Subject to Change  
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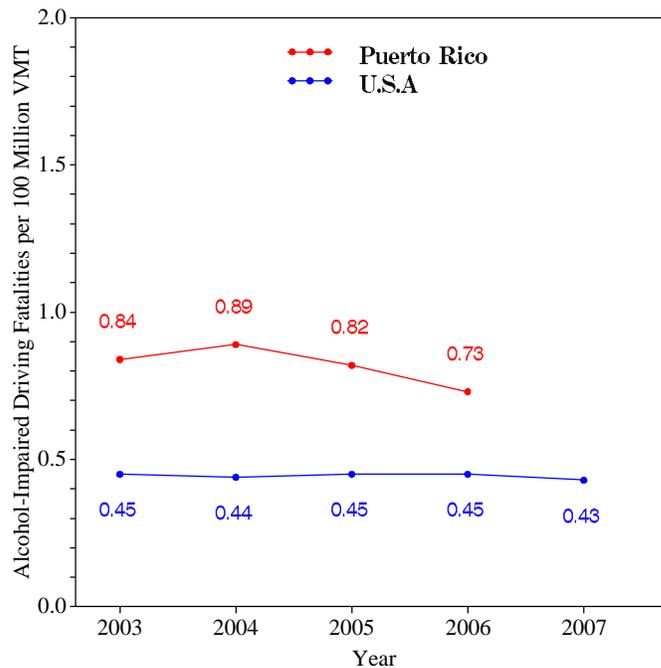


### Fatalities per 100 Million VMT



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### Alcohol-Impaired Driving Fatalities per 100 Million VMT



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**Blood Alcohol Concentration (BAC) Reporting Rates  
For Drivers/Motorcycle Riders (Operators)  
Involved in Fatal Crashes:  
Puerto Rico , U.S. and Best State**

Year		Surviving Drivers/Motorcycle Riders			Killed Drivers/Motorcycle Riders			Total Drivers/Motorcycle Riders		
		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS	
			Number	Percent		Number	Percent		Number	Percent
2003	Puerto Rico	424	257	61	223	187	84	647	444	69
	US	31,738	8,196	26	26,779	18,836	70	58,517	27,032	46
	Best State*			76			98			83
2004	Puerto Rico	404	217	54	221	180	81	625	397	64
	US	31,524	8,215	26	26,871	18,275	68	58,395	26,490	45
	Best State*			80			97			82
2005	Puerto Rico	365	214	59	236	195	83	601	409	68
	US	31,729	7,415	23	27,491	18,773	68	59,220	26,188	44
	Best State*			77			98			84
2006	Puerto Rico	388	264	68	270	227	84	658	491	75
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	Puerto Rico	376	242	64	237	205	86	613	447	73
	US	29,201	6,765	23	26,480	16,991	64	55,681	23,756	43
	Best State*			82			96			84

\*State (or States) With Highest Percents: Highest Percents Could Be in Different States

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Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants, Aged 5 and Over, by Restraint Use:  
Fatalities and Observed  
Puerto Rico , U.S. and Best State

Year		Fatalities - Restrained**	Observed - Restrained***
		Percent	Percent
2003	US	55	79
	Best State*	74	95
2004	US	56	80
	Best State*	82	95
2005	US	55	82
	Best State*	88	95
2006	US	55	81
	Best State*	77	96
2007	US	57	82
	Best State*	81	98

\*State With Highest Percent. Fatal Crash and Observed Percents Can Be Different States

\*\*Percent Based Only Where Restraint Use Was Known

\*\*\*USA Data: National Occupant Protection Use Survey. Puerto Rico Data: State Survey

Note: The Purpose of this Table is to Compare (as closely as possible) the Use of Restraint Systems by Fatally Injured Occupants with Occupants in all Driving Situations

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## Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use\*

\*Percent Based Only Where Restraint Use Was Known

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## Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants Observed, Aged 5 and Over, by Percent Restraint Use\*

\*USA Data: National Occupant Protection Use Survey. Puerto Rico Data: State Survey

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### Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates

Year	Fatalities Aged 5 and Above					Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Belt Use	Potential Additional Lives Savable at 100% Usage
2003	260	101	159	0	39		
2004	247	98	149	0	40	98	23
2005	212	88	124	0	42	85	14
2006	222	100	122	0	45	107	21
2007	199	84	115	0	42	84	15

\*Percent Based Only Where Restraint Use Was Known

\*\*Lives Saved Estimates

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### Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates

Year	Fatalities Aged Under 5					Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Belt and Child Seat Usage	Potential Additional Lives Savable at 100% Usage
2003	2	1	1	0	50		
2004	2	2	0	0	100	3	0
2005	0	0	0	0		0	0
2006	3	1	2	0	33	1	1
2007	0	0	0	0		0	

\*Percent Based Only Where Restraint Use Was Known

\*\*Lives Saved Estimates

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### Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates

Year	Fatalities					Lives Saved Estimates**	
	Total	Helmeted	Unhelmeted	Unknown Helmet Use	Percent Known Helmet*	Lives Saved at Current Helmet Use	Potential Additional Lives Savable at 100% Usage
2003	56	22	34	0	39		
2004	63	21	42	0	33	12	16
2005	90	37	53	0	41	22	20
2006	115	50	65	0	43	29	24
2007	94	29	65	0	31	17	24

\*Percent Based Only Where Helmet Use Was Known

\*\*Lives Saved Estimates

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## Fatalities by Person Type

Person Type		2003		2004		2005		2006		2007	
		#	%*	#	%*	#	%*	#	%*	#	%*
<b>Occupants</b>	<b>Passenger Car</b>	214	43	198	40	161	35	167	33	164	36
	<b>Light Truck - Pickup</b>	15	3	22	4	21	5	17	3	8	2
	<b>Light Truck - Utility</b>	30	6	22	4	29	6	35	7	27	6
	<b>Light Truck - Van</b>	7	1	7	1	4	1	8	2	5	1
	<b>Large Truck</b>	4	1	2	0	5	1	4	1	2	0
	<b>Other/Unknown Occupants</b>	2	0	3	1	0	0	0	0	0	0
	<b><i>Total Occupants</i></b>	272	55	254	51	220	48	231	45	206	46
<b>Motorcyclists</b>	<b><i>Total Motorcyclists</i></b>	56	11	63	13	90	20	115	23	94	21
<b>Nonoccupants</b>	<b>Pedestrian</b>	150	30	162	33	134	29	140	28	144	32
	<b>Bicyclist and Other Cyclist</b>	14	3	16	3	11	2	20	4	6	1
	<b>Other/Unknown Nonoccupants</b>	3	1	0	0	2	0	3	1	2	0
	<b><i>Total Nonoccupants</i></b>	167	34	178	36	147	32	163	32	152	34
<b>Total</b>	<b><i>Total</i></b>	495	100	495	100	457	100	509	100	452	100

\*Sum of Percents May Not = 100 Due to Individual Cell Rounding

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### Fatalities by Crash Type

Crash Type	2003	2004	2005	2006	2007
<b>Total Fatalities (All Crashes)*</b>	495	495	457	509	452
<b>- (1) Single Vehicle</b>	326	329	305	337	279
<b>- (2) Involving a Large Truck</b>	27	26	40	30	18
<b>- (3) Involving Speeding</b>	234	237	217	220	228
<b>- (4) Involving a Rollover</b>	42	36	40	45	35
<b>- (5) Involving a Roadway Departure</b>	248	262	264	278	242
<b>- (6) Involving an Intersection (or Intersection Related)</b>	42	9	9	10	6

(1) Crash Involved Only One Coded Vehicle

(2) Crash Involved at Least One Large Truck

(3) Crash Involved at Least One Vehicle Speeding

(4) Crash Involved at Least One Vehicle That Rolled Over

(5) Crash Involved at Least One Vehicle That Departed the Roadway (FHWA Definition)

(6) Crash Occured Within an Intersection or Within the Approach to an Intersection

\*A Fatality Can Be in More Than One Category. Therefore Sum of the Individual Cells Will Not Equal the Total Due to Double Counting

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### Motorcyclist Fatalities by Age

Year	Age							Total
	<20	20-29	30-39	40-49	50-59	>59	Unknown	
2003	2	24	19	7	2	1	1	56
2004	5	30	16	10	1	0	1	63
2005	8	45	16	11	8	2	0	90
2006	17	45	28	18	4	3	0	115
2007	14	38	23	11	3	2	3	94

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### Motorcyclist Fatalities Per 100,000 Registered Motorcycles

Year	Motorcyclist Fatalities	Total Motorcycle Registrations*	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2003	56	21,833	256.5
2004	63	31,770	198.3
2005	90	31,770	283.3
2006	115	91,082	126.3
2007	94		

\*Data Source: FHWA

\*2007 Motorcycle Registrations are Not Yet Available

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### Fatalities by Person Type and Race/Hispanic Origin

Person Type by Race/Hispanic Origin		2003	2004	2005	2006
Occupants (All Vehicle Types)	Hispanic	328	317	301	346
	Unknown Race and Unknown Hispanic	0	0	9	0
	<b>Total</b>	328	317	310	346
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	167	178	140	163
	Unknown Race and Unknown Hispanic	0	0	7	0
	<b>Total</b>	167	178	147	163
<b>Total</b>		495	495	457	509

2007 Race/Hispanic Origin Data is Not Yet Complete

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