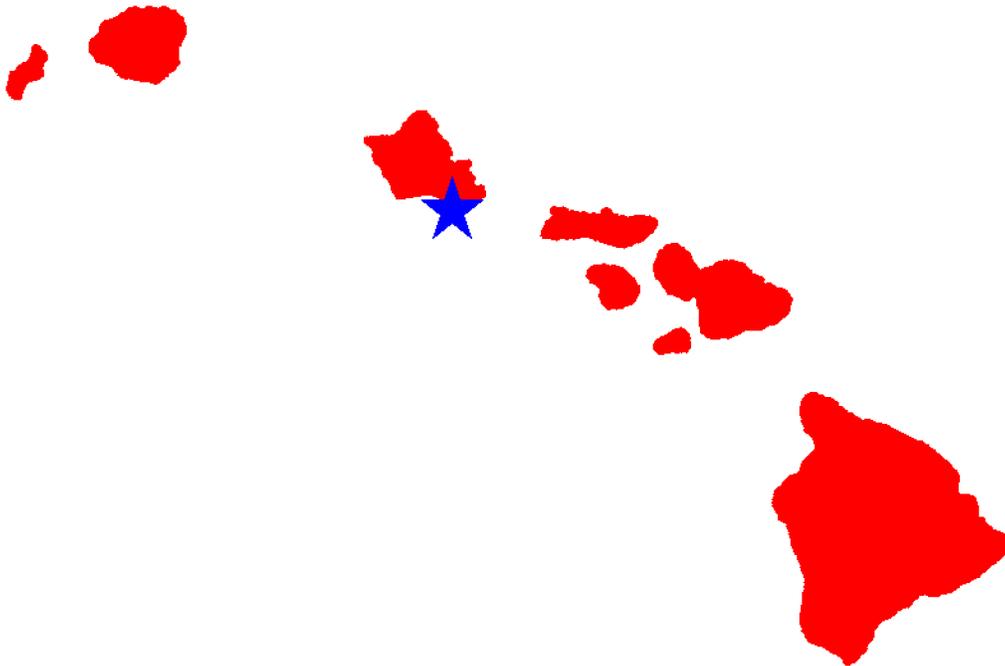




Traffic Safety Facts Hawaii 2003-2007



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



Table of Contents

- Pg3. Fatality Rates: Hawaii , U.S. and Best State
- Pg4. Alcohol-Related Fatalities: Hawaii , U.S. and Best State (Old Definition)
- Pg5. Alcohol-Impaired Driving Fatalities: Hawaii , U.S. and Best State (New Definition)
- Pg6. Fatalities Per 100 Million VMT: Hawaii , U.S.
- Pg6. Alcohol-Impaired Driving Fatalities Per 100 Million VMT: Hawaii , U.S.
- Pg7. Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Rider (Operators) Involved in Fatal Crashes: Hawaii , U.S. and Best State
- Pg8. Passenger Vehicle Occupant Fatalities by Restraint Use: Hawaii , U.S. and Best State
- Pg9. Passenger Vehicle Occupant Fatalities by Percent Restraint Use: Hawaii , U.S.
- Pg9. Passenger Vehicle Occupant by Observed Restraint Use: Hawaii , U.S.
- Pg10. Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates
- Pg10. Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates
- Pg11. Motorcycle Occupant Fatalities by Helmet Use and Lives Saved Estimates
- Pg12. Fatalities by Person Type
- Pg13. Fatalities by Crash Type
- Pg14. Motorcyclist Fatalities by Age
- Pg14. Motorcyclist Fatalities Per 100,000 Registered Motorcycles
- Pg15. Top 10 Counties for Fatalities and Fatality Rates
- Pg16. Top 10 Counties for Alcohol-Impaired Driving Fatalities and Alcohol-Impaired Driving Fatality Rates



Fatality Rates: Hawaii , 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	Hawaii	133	9,312	1.43	1,240,325	10.72
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Hawaii	142	9,725	1.46	1,254,172	11.32
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Hawaii	140	10,083	1.39	1,267,581	11.04
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Hawaii	161	10,182	1.58	1,278,635	12.59
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Hawaii	138			1,283,388	10.75
	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 State Vehicle Miles Traveled (VMT) Data is Currently Not Available. 2007 National VMT is a Preliminary Estimate and Subject to Change

[Back To The Table of Contents](#)



Alcohol-Related Fatalities: Hawaii , U.S. and Best State (Old Definition)

Year		Total Fatalities in all Crashes	Alcohol-Related Fatalities**				Alcohol-Related Fatalities (BAC = .08+) Per 100 Million VMT
			BAC = .01+		BAC = .08+		
			Number	Percent	Number	Percent	
2003	Hawaii	133	71	53	52	39	0.56
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Hawaii	142	64	45	51	36	0.52
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Hawaii	140	72	51	60	43	0.59
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		13	0.14
2006	Hawaii	161	81	50	66	41	0.65
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Hawaii	138	73	53	51	37	
	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

**Includes BAC of All Involved Drivers, Motorcycle Riders, Pedalcyclists and Pedestrians

[Back To The Table of Contents](#)



Alcohol-Impaired Driving Fatalities: Hawaii , U.S. and Best State (New Definition)

Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)**		Alcohol-Impaired Driving Fatalities (BAC = .08+) Per 100 Million VMT
			Number	Percent	
2003	Hawaii	133	48	36	0.52
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Hawaii	142	44	31	0.45
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Hawaii	140	54	39	0.54
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Hawaii	161	60	37	0.59
	US	42,708	13,491	32	0.45
	Best State*			19	0.20
2007	Hawaii	138	45	32	
	US	41,059	12,998	32	0.43
	Best State*			17	

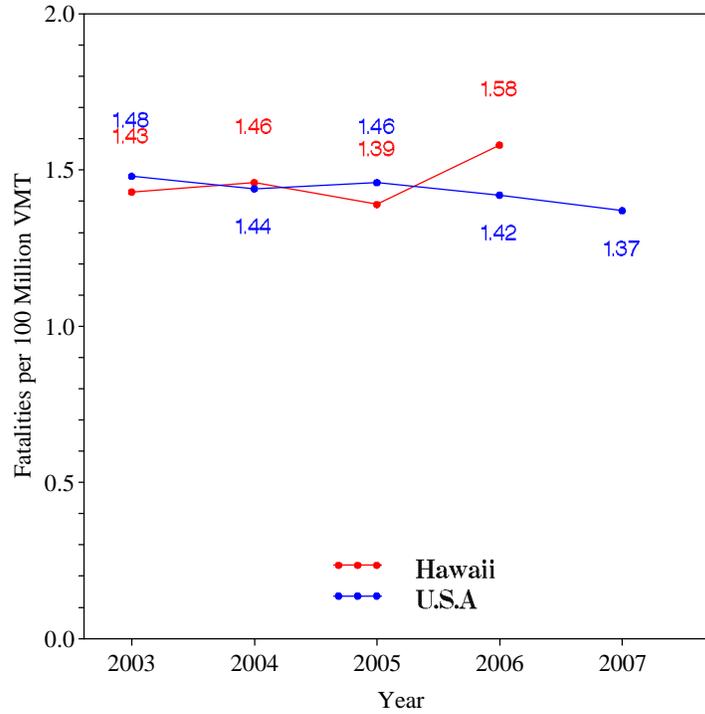
*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Includes BAC of All Involved Drivers and Motorcycle Riders Only

[Back To The Table of Contents](#)

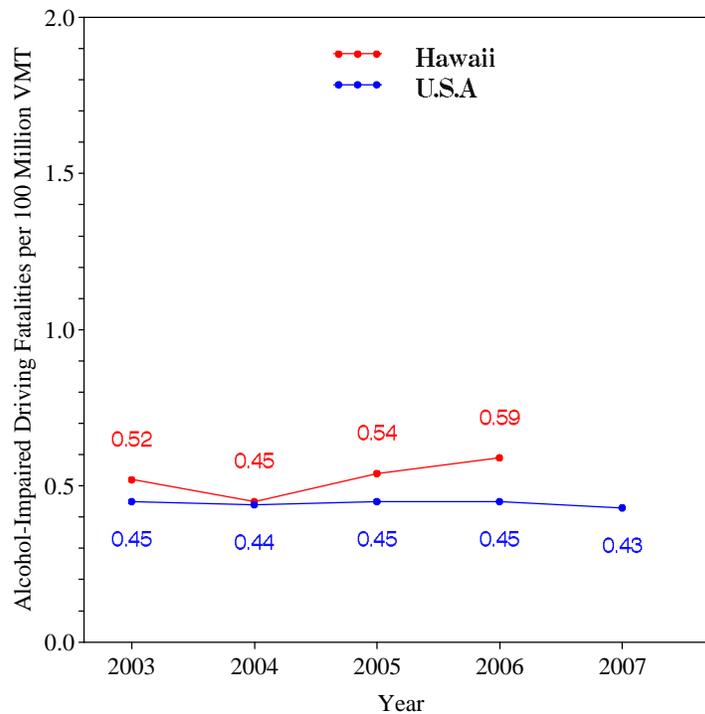


Fatalities per 100 Million VMT: Hawaii and U.S



[Back To The Table of Contents](#)

Alcohol-Impaired Driving Fatalities per 100 Million VMT: Hawaii and U.S



[Back To The Table of Contents](#)



Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Riders (Operators) Involved in Fatal Crashes: Hawaii , 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	Hawaii	32	19	59	54	50	93	86	69	80
	US	51,793	12,358	24	32,471	22,718	70	84,264	35,076	42
	Best State*			87			98			89
2004	Hawaii	31	26	84	56	52	93	87	78	90
	US	51,440	12,277	24	32,596	21,984	67	84,036	34,261	41
	Best State*			84			97			90
2005	Hawaii	24	16	67	65	63	97	89	79	89
	US	51,791	10,963	21	33,288	22,436	67	85,079	33,399	39
	Best State*			89			98			91
2006	Hawaii	48	34	71	60	59	98	108	93	86
	US	49,884	11,028	22	32,940	22,531	68	82,824	33,559	41
	Best State*			86			100			87
2007	Hawaii	35	17	49	58	56	97	93	73	78
	US	47,786	9,975	21	31,867	20,261	64	79,653	30,236	38
	Best State*			84			97			86

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

[Back To The Table of Contents](#)



Passenger Vehicle Occupant Fatalities by Restraint Use: Hawaii , U.S. and Best State

Year		Total Passenger Vehicle Occupant Fatalities	Total Passenger Vehicle Occupant Fatalities Restrained**		Observed Passenger Vehicle Occupant Restraint Use in all Traffic***
		Number	Number	Percent	Percent
2003	Hawaii	84	44	53	92
	US	32,271	14,075	44	79
	Best State*			64	95
2004	Hawaii	82	38	46	95
	US	31,866	14,225	45	80
	Best State*			68	95
2005	Hawaii	69	34	49	95
	US	31,549	14,061	45	82
	Best State*			68	95
2006	Hawaii	94	47	50	93
	US	30,686	13,760	45	81
	Best State*			66	96
2007	Hawaii	73	44	60	98
	US	28,933	13,306	46	82
	Best State*			64	98

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

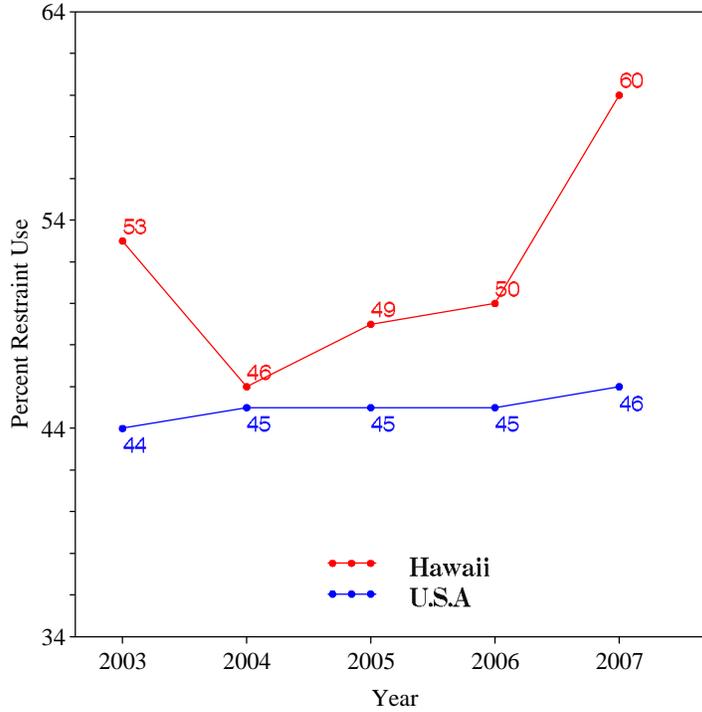
**Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

***USA Data: National Occupant Protection Use Survey. Hawaii Data: State Survey

[Back To The Table of Contents](#)

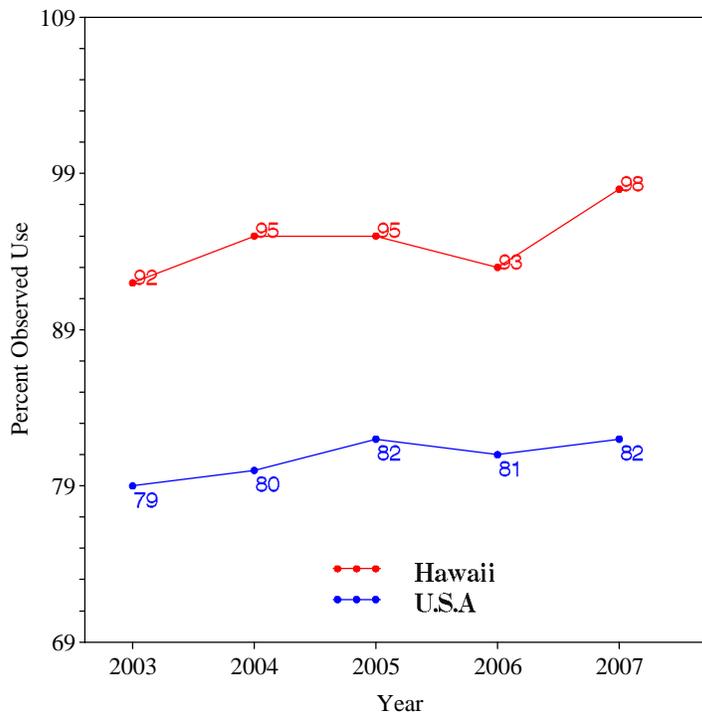


Passenger Vehicle Occupant Fatalities by Percent Restraint Use: Hawaii and U.S



[Back To The Table of Contents](#)

Passenger Vehicle Occupants by Percent Restraint Use Observed: Hawaii and U.S



[Back To The Table of Contents](#)



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

Year	Passenger Vehicle Occupant Fatalities Aged 5 and Above*			Passenger Vehicle Occupant Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Lives Saved at Current Belt Use	Potential Additional Lives Savable at 100% Usage
2003	84	44	40	44	6
2004	81	37	44	42	5
2005	68	33	35	36	4
2006	94	47	47	50	8
2007	72	43	29	45	2

*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

**Lives Saved Estimates

[Back To The Table of Contents](#)

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

Year	Passenger Vehicle Occupant Fatalities Aged Under 5*			Passenger Vehicle Occupant Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Lives Saved at Current Belt and Child Seat Usage	Potential Additional Lives Savable at 100% Usage
2003	0	0	0	0	0
2004	1	1	0	1	0
2005	1	1	0	2	0
2006	0	0	0	0	0
2007	1	1	0	2	

*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

**Lives Saved Estimates

[Back To The Table of Contents](#)



Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates

Year	Motorcycle Rider Fatalities*			Motorcycle Rider Lives Saved Estimates**	
	Total	Helmeted	Unhelmeted	Lives Saved at Current Helmet Use	Potential Additional Lives Savable at 100% Usage
2003	19	6	13	4	5
2004	21	8	13	5	5
2005	30	8	22	5	8
2006	27	6	21	4	7
2007	29	6	23	4	9

*Unknown Helmet Use Was Proportionally Distributed Across Known Helmet Use

**Lives Saved Estimates

[Back To The Table of Contents](#)



Fatalities by Person Type

Person Type		2003		2004		2005		2006		2007	
		#	%	#	%	#	%	#	%	#	%
Occupants	Passenger Car	67	18	41	10	47	12	57	13	43	11
	Light Truck - Pickup	9	2	17	4	15	4	21	5	14	4
	Light Truck - Utility	5	1	14	3	7	2	11	2	16	4
	Light Truck - Van	3	1	10	2	0	0	5	1	0	0
	Large Truck	1	0	1	0	0	0	0	0	0	0
	Other/Unknown Occupants	0	0	0	0	1	0	4	1	4	1
	Total Occupants	85	22	83	20	70	18	98	21	77	20
Motorcyclists	Motorcycle	19	5	21	5	30	8	27	6	29	8
Non-Occupants	Pedestrian	23	6	30	7	35	9	31	7	27	7
	Bicyclist and Other Cyclist	6	2	7	2	4	1	4	1	4	1
	Other/Unknown Non-Occupants	0	0	1	0	1	0	1	0	1	0
	Total Non-Occupants	29	8	38	9	40	10	36	8	32	8
Total	Total	133	35	142	35	140	36	161	35	138	36

[Back To The Table of Contents](#)



Fatalities by Crash Type

Crash Type	2003	2004	2005	2006	2007
Total Fatalities (All Crashes)	133	142	140	161	138
- Single Vehicle (1)	87	84	88	97	90
- Involving a Large Truck (2)	4	4	9	12	3
- Involving Speeding (3)	69	67	69	77	69
- Involving a Rollover (4)	25	33	24	26	30
- Involving a Roadway Departure (5)	83	80	83	94	82
- Involving an Intersection (or Intersection related) (6)	26	34	36	33	32

(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

[Back To The Table of Contents](#)



Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2003	1	5	3	4	4	2	19
2004	1	7	8	1	4	0	21
2005	2	5	10	4	5	3	29
2006	1	7	6	5	6	2	27
2007	2	11	5	2	6	4	30

[Back To The Table of Contents](#)

Motorcyclist Fatalities Per 100,000 Registered Motorcycles*

Year	Motorcyclist Fatalities	Total Motorcycle Registrations	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2003	19	22,394	84.84
2004	21	23,106	90.89
2005	29	24,667	117.6
2006	27	31,223	86.47
2007	30		

*Data Source: FHWA

[Back To The Table of Contents](#)



Top 10 Counties for Fatalities and Fatality Rates

Top 10 Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	Honolulu County	67	7.40
2	Hawaii County	38	21.96
3	Maui County	24	16.93
4	Kauai County	9	14.32
5	Kalawao County	0	0.00

Median Rate for all U.S. Counties: 20.32

Top 10 Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	Hawaii County	38	21.96
2	Maui County	24	16.93
3	Kauai County	9	14.32
4	Honolulu County	67	7.40
5	Kalawao County	0	0.00

[Back To The Table of Contents](#)



Top 10 Counties for Alcohol-Impaired Driving Fatalities and Alcohol-Impaired Driving Fatality Rates

Top 10 Alcohol-Impaired Driving Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	Honolulu County	20	2.21
2	Hawaii County	15	8.78
3	Maui County	8	5.64
4	Kauai County	1	2.07
5	Kalawao County	0	0.00

Median Rate for all U.S. Counties: 5.11

Top 10 Alcohol-Impaired Driving Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	Hawaii County	15	8.78
2	Maui County	8	5.64
3	Honolulu County	20	2.21
4	Kauai County	1	2.07
5	Kalawao County	0	0.00

[Back To The Table of Contents](#)