

Maryland Traffic Safety Facts 2009



March 2011

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Introduction

This publication is a statistical review of reported motor vehicle traffic crashes and other data related to highway safety in the State of Maryland for the year 2009**. Crash data are aggregated by Maryland State Police Central Records Division from 144 law enforcement agencies statewide. Other data are provided through the Maryland Crash Outcome Data Evaluation System project sponsored by the National Highway Traffic Safety Administration (NHTSA). Alcohol fatalities are provided through NHTSA's Fatality Analysis Reporting System (FARS). FARS data are obtained from the State's existing documents:

- Police Accident Reports
- Death Certificates
- State Vehicle Registration Files
- Coroner/Medical Examiner Reports
- State Driver Licensing Files
- Hospital Medical Reports
- State Highway Department Data
- Emergency Medical Service Reports
- Vital Statistics
- Other State Records

This report has been compiled by the University of Maryland's National Study Center for Trauma and EMS (<http://nsc.umaryland.edu>).

**Note: In some cases, unknown data are not shown in the table so rows and columns may not add up to the given total.

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Chapter 1: Trends

Table 1 – Maryland Crash Summary

	2005	2006	2007	2008	2009	5 Year AVG.
Fatal Crashes	577	593	558	539	516	557
Injury Crashes	36,543	35,866	34,868	32,776	32,358	34,482
Property Damage Only	65,488	65,431	65,521	62,040	63,518	64,400
Total Crashes	102,608	101,890	100,947	95,355	96,392	99,438
Total of All Fatalities	614	651	615	592	550	604
Total Number Injured	55,287	53,617	51,730	48,149	47,330	51,223

* Averages for all pages are 5 year averages.

Figure 1 – Crashes in Maryland

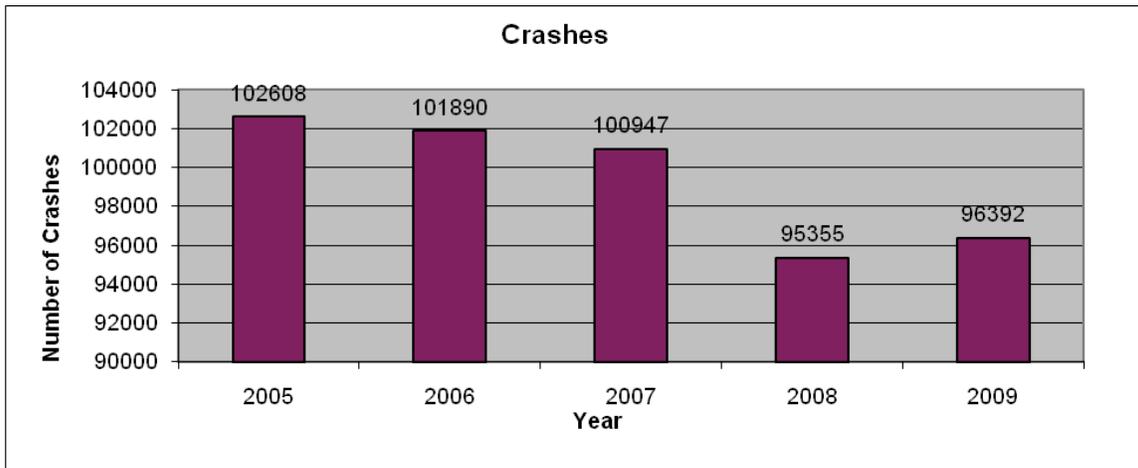


Figure 2 – Persons Injured in Crashes in Maryland

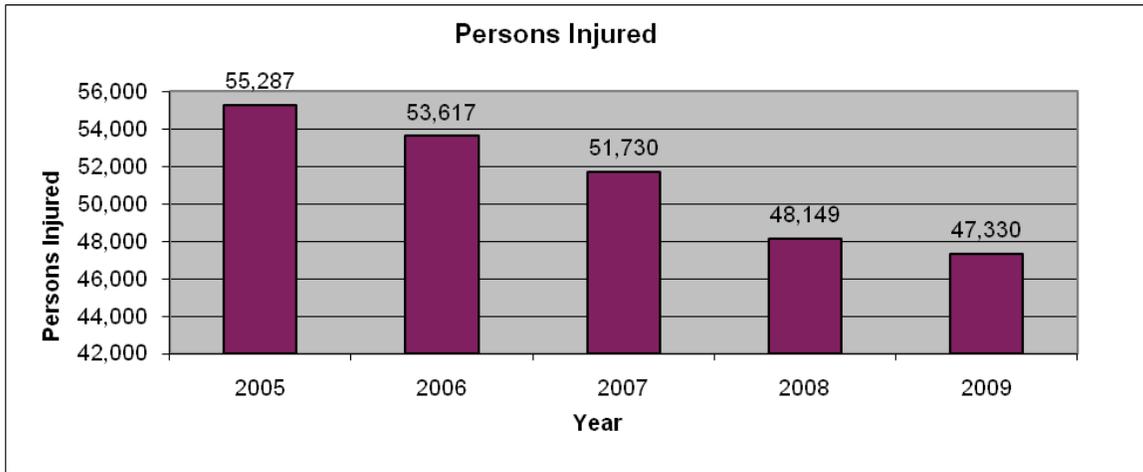


Figure 3 – Persons Killed in Crashes in Maryland

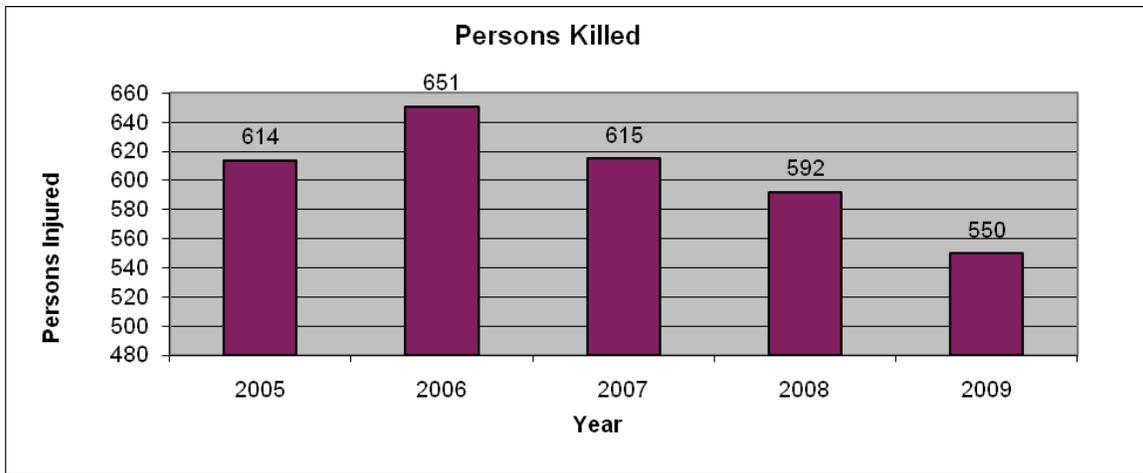


Table 2 - Crashes by Severity, 2005-2009

Year	Fatal Crashes		Injury Crashes		Property Damage Only		Total Crashes	
	Number	%	Number	%	Number	%	Number	%
2005	577	0.6	36,543	35.6	65,488	63.8	102,608	100.0
2006	593	0.6	35,866	35.2	65,431	64.2	101,890	100.0
2007	558	0.6	34,868	34.5	65,521	64.9	100,947	100.0
2008	539	0.6	32,776	34.4	62,040	65.1	95,355	100.0
2009	516	0.5	32,358	33.6	63,518	65.9	96,392	100.0

Table 3 - Persons Killed or Injured and Fatality and Injury Rates per Population, Licensed Drivers, Registered Vehicles and Vehicle Miles Traveled, 2005-2009

Killed									
Year	Fatalities	Resident Population (Thousands)	Fatality Rate per 100,000 Population	Licensed Drivers (Thousands)	Fatality Rate per 100,000 Licensed Drivers	Registered Motor Vehicles (Thousands)	Fatality Rate per 100,000 Registered Vehicles	Vehicle Miles Traveled*	Fatality Rate per 100 Million Vehicle Miles Traveled
2005	614	5,600	11.0	3,872	15.9	4,498	13.6	56.7	1.1
2006	651	5,615	11.6	3,872	16.8	4,691	13.9	56.6	1.2
2007	615	5,618	10.9	3,966	15.5	4,749	13.0	56.8	1.1
2008	592	5,634	10.5	4,022	14.7	4,756	12.4	56.1	1.1
2009	550	5,699	9.6	4,063	13.5	4,727	11.6	55.6	0.99
Injured									
Year	Injuries	Resident Population (Thousands)	Injury Rate per 100,000 Population	Licensed Drivers (Thousands)	Injury Rate per 100,000 Licensed Drivers	Registered Motor Vehicles (Thousands)	Injury Rate per 100,000 Registered Vehicles	Vehicle Miles Traveled*	Injury Rate per 100 Million Vehicle Miles Traveled
2005	55,303	5,600	987.6	3,872	1,428.3	4,498	1,229.5	56.7	97.5
2006	53,615	5,615	954.8	3,872	1,384.7	4,691	1,142.9	56.6	94.7
2007	51,729	5,618	920.8	3,966	1,304.3	4,749	1,089.3	56.8	91.1
2008	48,143	5,634	854.5	4,022	1,197.0	4,756	1,012.2	56.1	85.8
2009	47,330	5,699	830.5	4,063	1,164.9	4,727	1,001.3	55.6	85.1

*In billions

Table 4 - Vehicles Involved in Crashes and Involvement Rates per Vehicle Miles of Travel and per Registered Vehicles by Vehicle Type and Crash Severity, 2005-2009

Year	Vehicle Type											
	Passenger Cars			Light Trucks			Large Trucks			Motorcycles		
	No.	Rate per 100 Million VMT	Rate per 100,000 Registered Vehicles	No.	Rate per 100 Million VMT	Rate per 100,000 Registered Vehicles	No.	Rate per 100 Million VMT	Rate per 100,000 Registered Vehicles	No.	Rate per 100 Million VMT	Rate per 100,000 Registered Vehicles
Fatal Crashes												
2005	444	0.78	9.87	312	0.55	6.94	75	0.13	1.67	89	0.16	2.05
2006	468	0.83	9.98	318	0.56	6.78	76	0.13	1.62	86	0.15	1.83
2007	404	0.71	8.51	286	0.50	6.02	71	0.12	1.50	98	0.17	2.06
2008	400	0.71	8.41	299	0.53	6.29	53	0.09	1.11	82	0.15	1.72
2009	401	0.72	8.48	271	0.49	5.73	73	0.13	1.54	79	0.14	1.67
Injury Crashes												
2005	41,073	72.39	913.13	21,887	38.58	486.59	2,479	4.37	55.11	1,473	2.60	33.88
2006	39,381	69.56	839.51	22,214	39.24	473.55	2,298	4.06	48.99	1,585	2.80	33.79
2007	37,097	65.35	781.19	22,320	39.32	470.02	2,043	3.60	43.02	1,593	2.81	33.54
2008	35,042	62.41	736.80	20,616	36.72	433.47	1,737	3.09	36.52	1,595	2.84	33.54
2009	35,681	64.17	754.83	18,712	33.65	395.85	1,835	3.30	38.82	1,612	2.90	34.10
Property-Damage-Only Crashes												
2005	68,202	120.21	1,516.26	35,721	62.96	794.14	5,395	9.51	119.94	358	0.63	8.23
2006	66,920	118.20	1,426.58	37,602	66.42	801.59	5,221	9.22	111.30	372	0.66	7.93
2007	65,496	115.38	1,379.22	38,326	67.52	807.07	4,909	8.65	103.37	375	0.66	7.90
2008	62,328	111.01	1,310.51	35,899	63.94	754.81	4,249	7.57	89.34	423	0.75	8.89
2009	65,065	117.02	1,376.45	32,719	58.85	692.17	4,649	8.36	98.35	603	1.08	12.76

**Table 5 - Persons Killed or Injured by Person Type and Vehicle Type,
2005-2009**

Year	Person Type											Total
	Occupants by Vehicle Type						Motorcycle Riders	Nonoccupants				
	Passenger Cars	Light Truck	Large Truck	Buses	Other/Unknown	Total		Pedestrian	Pedalcyclist	Other/Unknown	Total	
Killed												
2005	271	152	12	2	7	503	59	101	7	3	111	614
2006	314	141	8	0	4	467	82	93	7	2	102	651
2007	254	131	8	0	5	398	97	110	7	3	120	615
2008	238	128	6	0	11	383	86	115	7	1	123	592
2009	230	115	10	0	2	357	70	111	10	2	123	550
Injured												
2005	30,403	17,431	917	694	1,242	51,892	1,205	2,625	629	157	3,411	55,303
2006	31,036	15,095	743	847	855	48,576	1,660	2,594	648	137	3,379	53,615
2007	28,986	15,302	616	761	1,090	46,755	1,657	2,526	636	155	3,317	51,729
2008	27,327	13,765	516	834	775	43,217	1,654	2,469	619	184	3,272	48,143
2009	27,403	12,763	697	777	928	42,568	1,681	2,340	546	195	3,081	47,330

Table 6 - Drivers Involved in Crashes and Involvement Rates per Licensed Drivers by Sex and Crash Severity, 2005-2009

Year	Sex						Total (>15 Years Old)		
	Male (>15 Years Old)			Female (>15 Years Old)					
	Number Involved in Crashes	Licensed Drivers	Rate per 100,000 Licensed Drivers	Number Involved in Crashes	Licensed Drivers	Rate per 100,000 Licensed Drivers	Number Involved in Crashes	Licensed Drivers	Rate per 100,000 Licensed Drivers
Drivers in Fatal Crashes									
2005	670	1,899,500	35.3	232	1,972,071	11.8	902	3,871,571	23.3
2006	682	1,840,886	37.0	244	1,937,307	12.6	926	3,778,193	24.5
2007	632	1,954,346	32.3	203	2,011,820	10.1	835	3,966,166	21.0
2008	585	1,989,094	29.4	224	2,032,655	11.0	809	4,021,749	20.1
2009	593	2,012,509	29.5	210	2,050,348	10.2	803	4,062,857	19.8
Drivers in Injury Crashes									
2005	37,152	1,899,500	1,955.9	27,915	1,972,071	1,415.5	65,067	3,871,571	1,680.6
2006	35,765	1,840,886	1,942.8	27,341	1,937,307	1,411.3	63,106	3,778,193	1,670.3
2007	34,388	1,954,346	1,759.6	26,488	2,011,820	1,316.6	60,876	3,966,166	1,534.9
2008	31,796	1,989,094	1,598.5	25,141	2,032,655	1,236.8	56,937	4,021,749	1,415.7
2009	31,887	2,012,509	1,584.4	25,302	2,050,348	1,234.0	57,189	4,062,857	1,407.6
Drivers in Property-Damage-Only Crashes									
2005	57,187	1,899,500	3,010.6	35,785	1,972,071	1,814.6	92,972	3,871,571	2,401.4
2006	56,326	1,840,886	3,059.7	35,429	1,937,307	1,828.8	91,755	3,778,193	2,428.5
2007	55,529	1,954,346	2,841.3	35,581	2,011,820	1,768.6	91,110	3,966,166	2,297.2
2008	52,373	1,989,094	2,633.0	33,808	2,032,655	1,663.2	86,181	4,021,749	2,142.9
2009	55,755	2,012,509	2,770.4	36,042	2,050,348	1,757.8	91,797	4,062,857	2,259.4

Table 7 - Motor Vehicle Occupants and Motorcycle Rider Fatality and Injury Rates per Population by Age Group, 2005-2009

Year	Age Group (Years)											Total
	<5	5-9	10-15	16-20	21-24	25-34	35-44	45-54	55-64	65-74	75+	
Fatality Rate per 100,000 Population												
2005	0.5	1.9	2.4	16.9	22.8	12.1	9.5	6.5	6.4	10.3	14.0	8.9
2006	0.8	0.8	0.8	19.0	25.1	12.7	10.6	7.5	9.5	9.6	14.9	9.7
2007	0.5	0.8	2.8	17.9	22.4	12.6	9.1	8.6	6.7	7.7	8.3	8.8
2008	0.5	1.4	2.0	14.1	17.9	12.6	8.6	7.5	5.5	6.8	14.7	8.2
2009	0.0	0.8	1.4	12.7	14.5	9.6	6.2	9.1	6.3	8.4	13.3	7.4
Injury Rate per 100,000 Population												
2005	256.9	323.6	412.0	1,967.2	1,890.2	1,357.8	1,018.6	828.8	689.4	573.6	483.1	904.3
2006	255.8	290.0	366.9	1,854.6	1,830.2	1,287.8	972.9	815.4	667.0	566.7	524.1	874.4
2007	262.0	299.0	354.8	1,709.3	1,732.0	1,257.5	949.2	800.5	638.0	541.6	496.5	841.7
2008	257.9	275.5	312.3	1,513.4	1,649.0	1,180.9	875.0	729.1	593.9	513.4	478.1	778.2
2009	241.2	269.5	303.0	1,433.2	1,605.1	1,135.3	856.7	742.6	583.5	501.4	443.7	756.3

** This table does not include occupants and riders of unknown age

Table 8 – Passenger Car Occupants Killed or Injured and Fatality and Injury Rates per Registered Vehicles and Vehicle Miles of Travel, 2005-2009

Year	Registered Vehicles	Vehicle Miles Traveled (Millions)	Passenger Car Occupants Killed	Fatality Rate per 100,000 Registered Vehicles	Fatality Rate per 100 Million Vehicle Miles Traveled	Passenger Car Occupants Injured	Injury Rate per 100,000 Registered Vehicles	Injury Rate per 100 Million Vehicle Miles Traveled
2005	4,498,048	56,736	270	6.0	0.5	30,378	675.4	53.5
2006	4,690,937	56,616	314	6.7	0.6	31,036	661.6	54.8
2007	4,748,757	56,766	254	5.3	0.4	28,986	610.4	51.1
2008	4,756,356	56,147	238	5.0	0.4	27,327	574.5	48.7
2009	4,727,274	55,631	230	4.9	0.4	27,403	579.7	49.2

Table 9 – Light Truck Occupants Killed or Injured and Fatality and Injury Rates per Registered Vehicles and Vehicle Miles of Travel, 2005-2009

Year	Registered Vehicles	Vehicle Miles Traveled (Millions)	Light Truck Occupants Killed	Fatality Rate per 100,000 Registered Vehicles	Fatality Rate per 100 Million Vehicle Miles Traveled	Light Truck Occupants Injured	Injury Rate per 100,000 Registered Vehicles	Injury Rate per 100 Million Vehicle Miles Traveled
2005	4,498,048	56,736	145	3.22	0.26	16,652	370.21	29.35
2006	4,690,937	56,616	141	3.00	0.25	15,095	321.79	26.66
2007	4,748,757	56,766	131	2.76	0.23	15,302	322.23	26.96
2008	4,756,356	56,147	128	2.69	0.23	13,765	289.40	24.52
2009	4,727,274	55,631	115	2.43	0.21	12,763	270.00	22.94

Table 10 – Large Truck Occupants Killed or Injured and Fatality and Injury Rates per Registered Vehicles and Vehicle Miles of Travel, 2005-2009

Year	Registered Vehicles	Vehicle Miles Traveled (Millions)	Large Truck Occupants Killed	Fatality Rate per 100,000 Registered Vehicles	Fatality Rate per 100 Million Vehicle Miles Traveled	Large Truck Occupants Injured	Injury Rate per 100,000 Registered Vehicles	Injury Rate per 100 Million Vehicle Miles Traveled
2005	4,498,048	56,736	19	0.42	0.03	1,696	37.70	2.99
2006	4,690,937	56,616	8	0.17	0.01	743	15.84	1.31
2007	4,748,757	56,766	8	0.17	0.01	616	12.97	1.08
2008	4,756,356	56,147	6	0.13	0.01	516	10.85	0.92
2009	4,727,274	55,631	10	0.21	0.02	697	14.75	1.25

Table 11 – Motorcycle Riders Killed or Injured and Fatality and Injury Rates per Registered Vehicles and Vehicle Miles of Travel, 2005-2009

Year	Registered Vehicles	Vehicle Miles Traveled (Millions)	Motorcycle Riders Killed	Fatality Rate per 100,000 Registered Vehicles	Fatality Rate per 100 Million Vehicle Miles Traveled	Motorcycle Riders Injured	Injury Rate per 100,000 Registered Vehicles	Injury Rate per 100 Million Vehicle Miles Traveled
2005	4,498,048	56,736	59	1.31	0.10	1,205	26.79	2.12
2006	4,690,937	56,616	82	1.75	0.14	1,660	35.39	2.93
2007	4,748,757	56,766	97	2.04	0.17	1,657	34.89	2.92
2008	4,756,356	56,147	86	1.81	0.15	1,654	34.77	2.95
2009	4,727,274	55,631	70	1.48	0.12	1,681	35.56	3.02

Table 12: Non-motorist Fatality and Injury Rates per Population by Age Group, 2005-2009

Year	Age Group (Years)											Total
	<5	5-9	10-15	16-20	21-24	25-34	35-44	45-54	55-64	65-74	74+	
Fatality Rate per 100,000 Population												
2005	0.5	0.3	1.2	1.3	1.0	2.4	2.3	2.8	1.5	4.0	3.5	2.0
2006	1.1	0.6	1.1	1.5	1.0	1.6	2.4	3.2	1.3	1.2	2.9	1.8
2007	0.3	0.3	1.1	2.2	3.9	2.5	2.8	2.2	2.4	0.8	2.6	2.0
2008	1.6	0.3	0.9	3.2	2.0	2.6	2.2	3.4	1.7	1.6	2.2	2.2
2009	0.3	0.5	1.1	3.7	2.3	1.8	1.5	2.9	2.6	3.4	2.5	2.1
Injury Rate per 100,000 Population												
2005	24.4	63.9	109.0	98.6	90.4	61.7	52.3	48.3	34.5	33.1	28.2	57.6
2006	20.4	69.9	106.0	108.2	84.9	56.2	48.6	50.1	42.1	26.3	33.0	57.4
2007	18.8	63.2	102.9	96.2	84.6	55.8	49.6	48.7	32.9	30.3	29.5	54.5
2008	17.8	60.9	97.2	99.6	87.4	56.0	45.9	55.1	41.5	30.1	39.2	56.0
2009	15.0	51.6	79.3	93.1	84.1	58.0	47.9	48.8	40.1	29.7	30.2	51.9

Table 13 - Persons Killed, by Highest Blood Alcohol Concentration (BAC) in the Crash, 2005-2009

Year	BAC=0.00		BAC=0.01--0.07		BAC=0.08+		Total Number	Total Fatalities in Alcohol--Related Crashes	
	Number	Percent	Number	Percent	Number	Percent		Number	Percent
2005	403	66	45	7	165	27	614	210	34
2006	416	64	47	7	189	29	652	236	36
2007	389	63	46	8	179	29	614	225	37
2008	405	69	34	6	152	26	591	186	32
2009	354	65	32	6	162	30	548	194	35

**FARS data

Table 14 - Drivers in Fatal Crashes by Blood Alcohol Concentration (BAC) and Sex, 2005-2009

Year	Male			Female		
	Total	BAC = 0.01+ (Percent)	BAC = 0.08+ (Percent)	Total	BAC = 0.01+ (Percent)	BAC = 0.08+ (Percent)
2005	674	25	19	215	12	9
2006	688	26	21	231	16	11
2007	638	28	23	192	11	8
2008	604	25	20	200	10	8
2009	573	27	22	190	14	11

**FARS data

Table 15 – Drivers of Passenger Cars and Light Trucks in Crashes by Crash Severity and Restraint Use, 2005-2009

Year	Restraint Used		Restraint Not Used		Restraint Use Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drivers in Fatal Crashes								
2005	507	75.7	116	17.3	47	7.0	670	100.0
2006	563	71.6	156	19.8	67	8.5	786	100.0
2007	476	69.0	137	19.8	77	11.1	690	100.0
2008	478	68.4	141	20.2	80	11.4	699	100.0
2009	484	72.0	128	19.0	60	8.9	672	100.0
Drivers in Injury Crashes								
2005	53,049	86.6	1,653	2.7	6,592	10.8	61,294	100.0
2006	52,474	85.2	1,872	3.0	7,249	11.8	61,595	100.0
2007	50,389	84.8	1,708	2.9	7,320	12.3	59,417	100.0
2008	47,281	85.0	1,507	2.7	6,870	12.3	55,658	100.0
2009	46,736	85.9	1,507	2.8	6,150	11.3	54,393	100.0
Drivers in Property-Damage-Only Crashes								
2005	72,373	71.8	1,690	1.7	26,710	26.5	100,773	100.0
2006	72,900	69.8	1,814	1.7	29,808	28.5	104,522	100.0
2007	72,053	69.4	1,800	1.7	29,969	28.9	103,822	100.0
2008	69,166	70.4	1,611	1.6	27,450	28.0	98,227	100.0
2009	70,063	71.6	1,831	1.9	25,890	26.5	97,784	100.0

Table 16 – Occupants of Passenger Cars and Light Trucks Killed or Injured, by Restraint Use, 2005-2009

Year	Restraint Used		Restraint Not Used		Restraint Use Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Occupants Killed								
2005	195	56.4	131	37.9	20	5.8	346	100.0
2006	250	54.9	167	36.7	38	8.4	455	100.0
2007	193	50.1	162	42.1	30	7.8	385	100.0
2008	188	51.4	153	41.8	25	6.8	366	100.0
2009	185	53.6	134	38.8	26	7.5	345	100.0
Occupants Injured								
2005	39,353	88.1	2,618	5.9	2,679	6.0	44,650	100.0
2006	39,282	85.1	2,705	5.9	4,144	9.0	46,131	100.0
2007	37,498	84.7	2,394	5.4	4,396	9.9	44,288	100.0
2008	34,756	84.6	2,212	5.4	4,124	10.0	41,092	100.0
2009	34,321	85.4	1,988	5.0	3,857	9.6	40,166	100.0

Chapter 2: 2009 Crashes

Table 17 - Crashes and Crash Rates per 100 Million Vehicle Miles Traveled by Month and Crash Severity

Month	Crash Severity						Total Crashes	
	Fatal		Injury		Property Damage Only			
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
January	44	0.08	2,296	4.13	5,368	9.65	7,708	13.86
February	32	0.06	2,008	3.61	4,285	7.70	6,325	11.37
March	36	0.06	2,440	4.39	5,211	9.37	7,687	13.82
April	56	0.10	2,674	4.81	4,860	8.74	7,590	13.64
May	51	0.09	3,049	5.48	5,663	10.18	8,763	15.75
June	49	0.09	2,943	5.29	5,169	9.29	8,161	14.67
July	47	0.08	2,860	5.14	4,757	8.55	7,664	13.78
August	50	0.09	2,815	5.06	5,066	9.11	7,931	14.26
September	39	0.07	2,819	5.07	5,093	9.15	7,951	14.29
October	44	0.08	3,117	5.60	6,240	11.22	9,401	16.90
November	42	0.08	2,731	4.91	5,748	10.33	8,521	15.32
December	26	0.05	2,606	4.68	6,058	10.89	8,690	15.62
Total	516	0.93	32,358	58.17	63,518	114.18	96,392	173.27

Table 18 - Crashes by Time of Day, Day of Week, and Crash Severity

Time of Day	Day of Week							Total
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
Fatal Crashes								
Midnight to 3 am	14	9	6	7	7	10	29	82
3 am to 6 am	10	7	9	3	3	5	10	47
6 am to 9 am	8	7	9	8	6	3	5	46
9 am to Noon	9	9	7	7	2	9	3	46
Noon to 3 pm	9	11	12	15	6	11	9	73
3 pm to 6 pm	12	4	7	13	12	14	11	73
6 pm to 9 pm	9	8	9	10	15	15	15	81
9 pm to Midnight	7	7	6	9	8	15	16	68
Total	78	62	65	72	59	82	98	516
Injury Crashes								
Midnight to 3 am	509	142	133	165	216	225	556	1,946
3 am to 6 am	229	123	106	154	187	147	278	1,224
6 am to 9 am	291	563	741	710	767	576	294	3,942
9 am to Noon	477	587	640	660	643	657	667	4,331
Noon to 3 pm	664	811	764	789	753	959	887	5,627
3 pm to 6 pm	751	1,055	1,069	1,143	1,137	1,295	828	7,278
6 pm to 9 pm	612	609	717	695	743	805	733	4,914
9 pm to Midnight	397	297	382	424	387	593	609	3,089
Unknown	1	2	1	0	0	2	1	7
Total	3,931	4,189	4,553	4,740	4,833	5,259	4,853	32,358
Property-Damage-Only Crashes								
Midnight to 3 am	1,387	516	412	446	586	690	1,436	5,473
3 am to 6 am	805	312	287	364	424	398	774	3,364
6 am to 9 am	643	1,213	1,364	1,330	1,539	1,199	677	7,965
9 am to Noon	905	1,173	1,356	1,252	1,298	1,334	1,201	8,519
Noon to 3 pm	1,066	1,491	1,351	1,401	1,498	1,725	1,500	10,032
3 pm to 6 pm	1,074	1,867	1,805	1,897	2,104	2,349	1,451	12,547
6 pm to 9 pm	1,060	1,087	1,168	1,282	1,299	1,528	1,294	8,718
9 pm to Midnight	796	764	831	945	894	1,281	1,329	6,840
Unknown	8	3	13	3	13	7	13	60
Total	7,744	8,426	8,587	8,920	9,655	10,511	9,675	63,518

**Table 18 - Crashes by Time of Day, Day of Week, and Crash Severity
(continued)**

Time of Day	Day of Week							Total
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
All Crashes								
Midnight to 3 am	1,910	667	551	618	809	925	2,021	7,501
3 am to 6 am	1,044	442	402	521	614	550	1,062	4,635
6 am to 9 am	942	1,783	2,114	2,048	2,312	1,778	976	11,953
9 am to Noon	1,391	1,769	2,003	1,919	1,943	2,000	1,871	12,896
Noon to 3 pm	1,739	2,313	2,127	2,205	2,257	2,695	2,396	15,732
3 pm to 6 pm	1,837	2,926	2,881	3,053	3,253	3,658	2,290	19,898
6 pm to 9 pm	1,681	1,704	1,894	1,987	2,057	2,348	2,042	13,713
9 pm to Midnight	1,200	1,068	1,219	1,378	1,289	1,889	1,954	9,997
Unknown	9	5	14	3	13	9	14	67
Total	11,753	12,677	13,205	13,732	14,547	15,852	14,626	96,392

Table 19 - Crashes by Weather Conditions, Light Condition, and Crash Severity

	Light Condition					Total
	Daylight	Dark, But lighted	Dark	Dawn or Dusk	Other/Unknown	
Fatal Crashes						
Clear/Cloudy	199	106	100	19	424	424
Raining	34	17	16	5	72	72
Snow/Sleet	5	2	2	0	9	9
Other	1	0	6	2	9	9
Unknown	1	1	0	0	2	2
Total	240	126	124	26	516	516
Injury Crashes						
Clear/Cloudy	17,781	5,009	1,772	985	99	25,646
Raining	3,178	1,484	458	277	23	5,420
Snow/Sleet	483	167	110	35	4	799
Other	137	62	72	26	2	299
Unknown	133	21	9	8	23	194
Total	21,712	6,743	2,421	1,331	151	32,358
Property-Damage-Only Crashes						
Clear/Cloudy	31,085	11,574	3,408	1,948	456	48,471
Raining	6,132	3,457	974	580	93	11,236
Snow/Sleet	1,363	647	253	111	34	2,408
Other	261	161	121	57	7	607
Unknown	394	99	35	29	239	796
Total	39,235	15,938	4,791	2,725	829	63,518
All Crashes						
Clear/Cloudy	49,065	16,689	5,280	2,952	555	74,541
Foggy	9,344	4,958	1,448	862	116	16,728
Raining	1,851	816	365	146	38	3,216
Other	399	223	199	85	9	915
NA / Unknown	528	121	44	37	262	992
Total	61,187	22,807	7,336	4,082	980	96,392

Table 20 - Crashes by Crash Type, Relation to Roadway, and Crash Severity

Crash Type	Relation to Roadway					Total
	On Roadway	Off Roadway	Shoulder	Median	Other/Unknown	
Fatal Crashes						
Single	168	88	23	8	4	291
Multiple	207	8	8	1	1	225
Total	375	96	31	9	5	516
Injury Crashes						
Single	7,170	1,618	353	158	606	9,905
Multiple	21,580	244	131	12	486	22,453
Total	28,750	1,862	484	170	1,092	32,358
Property-Damage-Only Crashes						
Single	12,335	3,110	658	367	1,249	17,719
Multiple	40,259	625	392	23	4,500	45,799
Total	52,594	3,735	1,050	390	5,749	63,518
All Crashes						
Single	19,673	4,816	1,034	533	1,859	27,915
Multiple	62,046	877	531	36	4,987	68,477
Total	81,719	5,693	1,565	569	6,846	96,392

Table 21 - Crashes by Speed Limit Crash Type, and Crash Severity

Speed Limit	Crash Type				Total	
	Single Vehicle		Multiple Vehicle			
	Number	Percent	Number	Percent	Number	Percent
Fatal Crashes						
30 mph or less	23	7.9	33	14.7	56	10.9
35 or 40 mph	69	23.7	55	24.4	124	24
45 or 50 mph	51	17.5	63	28	114	22.1
55 mph	29	10	45	20	74	14.3
60 mph or higher	12	4.1	7	3.1	19	3.7
No Statutory Limit / Unknown	107	36.8	22	9.8	129	25
Total	291	100	225	100	516	100
Injury Crashes						
30 mph or less	1,744	17.6	6,971	31	8,715	26.9
35 or 40 mph	2,206	22.3	7,765	34.6	9,971	30.8
45 or 50 mph	1,214	12.3	3,704	16.5	4,918	15.2
55 mph	1,130	11.4	2,388	10.6	3,518	10.9
60 mph or higher	532	5.4	593	2.6	1,125	3.5
No Statutory Limit / Unknown	3,079	31.1	1,032	4.6	4,111	12.7
Total	9,905	100	22,453	100	32,358	100
Property-Damage-Only Crashes						
30 mph or less	5,377	30.3	19,034	41.6	24,411	38.4
35 or 40 mph	4,598	25.9	11,565	25.3	16,163	25.4
45 or 50 mph	2,493	14.1	4,479	9.8	6,972	11
55 mph	2,460	13.9	3,538	7.7	5,998	9.4
60 mph or higher	1,101	6.2	1,004	2.2	2,105	3.3
No Statutory Limit / Unknown	1,690	9.5	6,179	13.5	7,869	12.4
Total	17,719	100	45,799	100	63,518	100
All Crashes						
30 mph or less	7,144	25.6	26,038	38	33,182	34.4
35 or 40 mph	6,873	24.6	19,385	28.3	26,258	27.2
45 or 50 mph	3,758	13.5	8,246	12	12,004	12.5
55 mph	3,619	13	5,971	8.7	9,590	9.9
60 mph or higher	1,645	5.9	1,604	2.3	3,249	3.4
No Statutory Limit / Unknown	4,876	17.5	7,233	10.6	12,109	12.6
Total	27,915	100	68,477	100	96,392	100

Table 22- Fatal Crashes by Speed Limit and Land Use - 2009

Speed Limit	Land Use						Total	
	Rural		Urban		Unknown		Number	Percent
	Number	Percent	Number	Percent	Number	Percent		
30 mph or less	8	4.9	30	10.2	18	31.6	56	10.9
35 or 40 mph	31	18.9	79	26.8	14	24.6	124	24.0
45 or 50 mph	68	41.5	43	14.6	3	5.3	114	22.1
55 mph	28	17.1	45	15.3	1	1.8	74	14.3
60 mph or higher	8	4.9	11	3.7	0	0	19	3.7
No Statutory Limit / Unknown	21	12.8	87	29.5	21	36.8	129	25.0
Total	164	100.0	295	100.0	57	100.0	516	100.0

Table 23 – Crashes by First Harmful Event, Manner of Collision, and Crash Severity

First Harmful Event	Crash Severity						Total	
	Fatal Crashes		Injury Crashes		Property-Damage-Only Crashes			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Collision with Motor Vehicle in Transport								
Angle	47	9.1	5,923	18.3	7,470	11.8	13,440	24
Rear End	36	7.0	8,507	26.3	13,590	21.4	22,133	23.0
Sideswipe	14	2.7	1,490	4.6	5,026	7.9	6,530	6.8
Head On	76	14.7	3,473	10.7	3,756	5.9	7,305	7.6
Turn	6	1.2	825	2.5	2,485	3.9	3,316	3.4
Other/Unknown	2	0.4	804	2.5	2,440	3.8	3,246	3.4
<i>Subtotal</i>	181	35.1	21,022	65.0	34,767	54.7	55,970	58.1
Collision with Fixed Object								
Pole/Post	30	5.8	1,098	3.4	3,175	5.0	4,303	4.5
Culvert/Curb/Ditch	34	6.6	1,000	3.1	2,921	4.6	3,955	4.1
Shrubbery/Tree	45	8.7	1,022	3.2	1,373	2.2	2,440	2.5
Guard Rail	33	6.4	1,155	3.6	2,608	4.1	3,796	3.9
Embankment	10	1.9	336	1.0	480	0.8	826	0.9
Bridge	1	0.2	60	0.2	170	0.3	231	0.2
Building	0	0.0	118	0.4	542	0.9	660	0.7
Fence	4	0.8	127	0.4	698	1.1	829	0.9
Other/Unknown	5	1.0	198	0.6	793	1.2	996	1.0
<i>Subtotal</i>	162	31.4	5,114	15.8	12,760	20.1	18,036	18.7
Collision with Object Not Fixed								
Parked Motor Vehicle	9	1.7	896	2.8	9,712	15.3	10,617	11.0
Animal	1	0.2	237	0.7	1,397	2.2	1,635	1.7
Pedestrian	100	19.4	2,183	6.7	391	0.6	2,674	2.8
Pedalcyclist	10	1.9	565	1.7	236	0.4	811	0.8
Train	0	0.0	17	0.1	33	0.1	50	0.1
Other/Unknown	4	0.8	222	0.7	671	1.1	897	0.9
<i>Subtotal</i>	124	24.0	4,120	12.7	12,440	19.6	16,684	17.3
Noncollision								
Rollover	12	2.3	510	1.6	359	0.6	881	0.9
Other/Unknown	34	6.6	1,152	3.6	1,970	3.1	3,156	3.3
<i>Subtotal</i>	46	8.9	1,662	5.1	2,329	3.7	4,037	4.2
Other/Unknown	3	0.6	440	1.4	1,222	1.9	1,665	1.7
Total	516	100.0	32,358	100.0	63,518	100.0	96,392	100.0

Table 24 – Two-Vehicle Crashes by Vehicle Type and Crash Severity

Vehicle Type	Vehicle Type					
	Passenger Car	Light Truck	Large Truck	Motorcycle	Bus	Other/Unknown
Fatal Crashes (Total =185)						
Passenger Car	27	52	22	20	1	2
Light Truck		13	12	9	2	1
Large Truck			0	3	0	0
Motorcycle			0	4	0	1
Bus					0	0
Other/Unknown						16
Injury Crashes (Total=18,414)						
Passenger Car	6,752	6,650	700	414	241	584
Light Truck		1,839	306	240	116	216
Large Truck			59	19	24	24
Motorcycle				33	2	21
Bus					10	14
Other/Unknown						150
Property-Damage-Only Crashes (Total=40,997)						
Passenger Car	12,547	12,025	1,787	231	1,095	4,937
Light Truck		3,574	915	100	610	1,847
Large Truck			198	10	163	201
Motorcycle				15	8	43
Bus					97	116
Other/Unknown						478

Table 25 – Crashes and Percent Alcohol Related by Time of Day, Crash Type, and Crash Severity

Time of Day	Crash Type						Total		
	Single Vehicle			Multiple Vehicle					
	No.	Alcohol Related	% Alcohol	No.	Alcohol Related	% Alcohol	No.	Alcohol Related	% Alcohol
Fatal Crashes									
Midnight to 3 am	57	42	73.7	25	19	76.0	82	61	74.4
3 am to 6 am	35	19	54.3	12	10	83.3	47	29	61.7
6 am to 9 am	19	4	21.1	27	5	18.5	46	9	19.6
9 am to Noon	22	7	31.8	24	1	4.2	46	8	17.4
Noon to 3 pm	32	5	15.6	41	3	7.3	73	8	11.0
3 pm to 6 pm	36	8	22.2	37	7	18.9	73	15	20.5
6 pm to 9 pm	48	26	54.2	33	8	24.2	81	34	42.0
9 pm to Midnight	42	28	66.7	26	12	46.2	68	40	58.8
Total	291	139	47.8	225	65	28.9	516	204	39.5
Injury Crashes									
Midnight to 3 am	1,039	443	42.6	907	246	27.1	1,946	689	35.4
3 am to 6 am	660	192	29.1	564	97	17.2	1,224	289	23.6
6 am to 9 am	1,163	111	9.5	2,779	69	2.5	3,942	180	4.6
9 am to Noon	1,123	115	10.2	3,208	68	2.1	4,331	183	4.2
Noon to 3 pm	1,429	166	11.6	4,198	105	2.5	5,627	271	4.8
3 pm to 6 pm	1,743	299	17.2	5,535	187	3.4	7,278	486	6.7
6 pm to 9 pm	1,526	330	21.6	3,388	279	8.2	4,914	609	12.4
9 pm to Midnight	1,216	333	27.4	1,873	286	15.3	3,089	619	20.0
Unknown	6	2	33.3	1	0	0.0	7	2	28.6
Total	9,905	1,991	20.1	22,453	1,337	6.0	32,358	3,328	10.3
Property-Damage-Only Crashes									
Midnight to 3 am	2,563	711	27.74	2,910	563	19.3	5,473	1,274.0	23.3
3 am to 6 am	1,803	303	16.8	1,561	216	13.8	3,364	519	15.4
6 am to 9 am	2,276	77	3.4	5,689	153	2.7	7,965	230	2.9
9 am to Noon	2,104	75	3.6	6,415	150	2.3	8,519	225	2.6
Noon to 3 pm	2,053	100	4.9	7,979	205	2.6	10,032	305	3.0
3 pm to 6 pm	2,326	152	6.5	10,221	331	3.2	12,547	483	3.8
6 pm to 9 pm	2,145	228	10.6	6,573	487	7.4	8,718	715	8.2
9 pm to Midnight	2,427	393	16.2	4,413	568	12.9	6,840	961	14.0
Unknown	22	2	9.1	38	1	2.6	60	3	5.0
Total	17,719	2,041	11.5	45,799	2,674	5.8	63,518	4,715	7.4

* Figures from MAARS (state crash reports)

Table 25 – Crashes and Percent Alcohol Related by Time of Day, Crash Type, and Crash Severity (continued)

Time of Day	Crash Type						Total		
	Single Vehicle			Multiple Vehicle					
	No.	Alcohol Related	% Alcohol	No.	Alcohol Related	% Alcohol	No.	Alcohol Related	% Alcohol
All Crashes									
Midnight to 3 am	3,659	1,196	32.7	3,842	828	21.6	7,501	2,024	27.0
3 am to 6 am	2,498	514	20.6	2,137	323	15.1	4,635	837	18.1
6 am to 9 am	3,458	192	5.6	8,495	227	2.7	11,953	419	3.5
9 am to Noon	3,249	197	6.1	9,647	219	2.3	12,896	416	3.2
Noon to 3 pm	3,514	271	7.7	12,218	313	2.6	15,732	584	3.7
3 pm to 6 pm	4,105	459	11.2	15,793	525	3.3	19,898	984	4.9
6 pm to 9 pm	3,719	584	15.7	9,994	774	7.7	13,713	1,358	9.9
9 pm to Midnight	3,685	754	20.5	6,312	866	13.7	9,997	1,620	16.2
Unknown	28	4	14.3	39	1	2.6	67	5	7.5
Total	27,915	4,171	14.9	68,477	4076	6.0	96,392	8,247	8.6

* Figures from MAARS (state crash reports)

Chapter 3: 2009 Vehicles

Table 26 - Vehicles Involved in Crashes by Vehicle Type and Crash Severity

Vehicle Type	Crash Severity						Total	
	Fatal		Injury		Property Damage Only			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Passenger Car	401	47.5	35,681	59.5	65,065	56.4	101,147	57.4
Light Truck	271	32.1	18,712	31.2	32,719	28.4	51,702	29.4
Large Truck	73	8.6	1,835	3.1	4,649	4.0	6,557	3.7
Motorcycle	79	9.4	1,612	2.7	603	0.5	2,294	1.3
Bus	8	0.9	558	0.9	2,458	2.1	3,024	1.7
Other/Unknown	12	1.4	1,585	2.6	9,781	8.5	11,378	6.5
Total	844	100.0	59,983	100.0	115,275	100.0	176,102	100.0

Table 27 – Vehicles Involved in Fatal Crashes by Body Type

Body Type	Number	Percent
Passenger Cars	401	47.5
Automobile	393	46.6
Station Wagon	8	1.0
Light Trucks	271	32.1
Recreational Vehicle	128	15.2
Pickup Truck	89	10.6
Van	54	6.4
Large Trucks	73	8.7
Single Truck 2 Axles	30	3.6
Single Truck 3 Axles	16	1.9
Truck Tractor	27	3.2
Motorcycles	79	9.4
Buses	8	1.0
Transit Bus	2	0.2
School Bus	6	0.7
Other Vehicles	7	0.8
Police Vehicle/Non-Emergency	2	0.2
Fire Vehicle/Emergency	1	0.1
Other	4	0.5
Unknown	5	0.6
Total	844	100.0

Table 28 – Vehicles Involved in Crashes by Vehicle Type, Rollover Occurrence, and Crash Severity (Excludes Motorcycles)

Vehicle Type	Rollover Occurrence						Total	
	Yes		No		Unknown		Number	Percent
	Number	Percent	Number	Percent	Number	Percent		
Fatal Crashes								
Passenger Car	5	1.2	395	98.5	1	0.2	401	100.0
Light Truck								
Pickup	1	1.1	88	98.9	0	0.0	89	100.0
Van	0	0.0	54	100.0	0	0.0	54	100.0
Utility	3	2.3	125	97.7	0	0.0	128	100.0
Large Truck	1	1.4	72	98.6	0	0.0	73	100.0
Bus	0	0.0	8	100.0	0	0.0	8	100.0
Other/Unknown	0	0.0	12	100.0	0	0.0	12	100.0
Total	10	1.3	754	98.6	1	0.1	765	100.0
Injury Crashes								
Passenger Car	119	0.3	35,551	99.6	11	0.0	35,681	100.0
Light Truck								
Pickup	38	0.7	5,056	99.3	0	0.0	5,094	100.0
Van	17	0.4	4,112	99.5	2	0.0	4,131	100.0
Utility	104	1.1	9,383	98.9	0	0.0	9,487	100.0
Large Truck	37	2.0	1,798	98.0	0	0.0	1,835	100.0
Bus	1	0.2	557	99.8	0	0.0	558	100.0
Other/Unknown	13	0.8	1,570	99.1	2	0.1	1,585	100.0
Total	329	0.6	58,027	99.4	15	0.0	58,371	100.0
Property-Damage-Only Crashes								
Passenger Car	140	0.2	64,851	99.7	74	0.1	65,065	100.0
Light Truck								
Pickup	61	0.6	9,426	99.3	9	0.1	9,496	100.0
Van	11	0.1	7,421	99.8	1	0.0	7,433	100.0
Utility	100	0.6	15,675	99.3	15	0.1	15,790	100.0
Large Truck	34	0.7	4,611	99.2	4	0.1	4,649	100.0
Bus	1	0.0	2,456	99.9	1	0.0	2,458	100.0
Other/Unknown	6	0.1	9,741	99.6	34	0.3	9,781	100.0
Total	353	0.3	114,181	99.6	138	0.1	114,672	100.0

**Table 28 – Vehicles Involved in Crashes by Vehicle Type, Rollover Occurrence, and Crash Severity (Excludes Motorcycles)
(continued)**

Vehicle Type	Rollover Occurrence						Total	
	Yes		No		Unknown		Number	Percent
	Number	Percent	Number	Percent	Number	Percent		
All Crashes								
Passenger Car	264	0.3	100,797	99.7	86	0.1	101,147	100.0
Light Truck								
Pickup	100	0.7	14,570	99.3	9	0.1	14,679	100.0
Van	28	0.2	11,587	99.7	3	0.0	11,618	100.0
Utility	207	0.8	25,183	99.1	15	0.1	25,405	100.0
Large Truck	72	1.1	6,481	98.8	4	0.1	6,557	100.0
Bus	2	0.1	3,021	99.9	1	0.0	3,024	100.0
Other/Unknown	19	0.2	11,323	99.5	36	0.3	11,378	100.0
Total	692	0.4	172,962	99.5	154	0.1	173,808	100.0

Table 29 – Vehicles Involved in Crashes by Vehicle Type, Fire Occurrence, and Crash Severity

Vehicle Type	Fire Occurrence				Total	
	Yes		No			
	Number	Percent	Number	Percent	Number	Percent
Fatal Crashes						
Passenger Car	9	2.2	392	97.8	401	100.0
Light Truck	4	1.5	267	98.5	271	100.0
Large Truck	3	4.1	70	95.9	73	100.0
Bus	0	0	8	100.0	8	100.0
Other/Unknown	0	0	12	100.0	12	100.0
Motorcycle	0	0	79	100.0	79	100.0
Total	16	1.9	828	98.1	844	100.0
Injury Crashes						
Passenger Car	36	0.1	35,645	99.9	35,681	100.0
Light Truck	15	0.1	18,697	99.9	18,712	100.0
Large Truck	4	0.2	1,831	99.8	1,835	100.0
Bus	0	0	558	100.0	558	100.0
Other/Unknown	1	0.1	1585	99.9	1585	100.0
Motorcycle	3	0.2	1,609	99.8	1,612	100.0
Total	59	0.1	59,924	99.9	59,983	100.0
Property-Damage-Only Crashes						
Passenger Car	57	0.1	65,008	99.9	65,065	100.0
Light Truck	31	0.1	32,688	99.9	32,719	100.0
Large Truck	4	0.1	4,645	99.9	4,649	100.0
Bus	1	0.0	2,457	100.0	2,458	100.0
Other/Unknown	8	0.2	9,773	99.8	9,781	100.0
Motorcycle	2	0.3	601	99.7	603	100.0
Total	103	0.1	115,172	99.9	115,275	100.0
All Crashes						
Passenger Car	102	0.1	101,045	99.9	101,147	100.0
Light Truck	50	0.1	51,652	99.9	51,702	100.0
Large Truck	11	0.2	6,546	99.8	6,557	100.0
Bus	1	0.0	3,023	100.0	3,024	100.0
Other/Unknown	9	0.2	11,369	99.8	11,378	100.0
Motorcycle	5	0.2	2,289	99.8	2,294	100.0
Total	178	0.1	175,924	99.9	176,102	100.0

Table 30 – Vehicles Involved in Single- and Two-Vehicle Crashes by Movement and Crash Severity

Movement	Crash Severity						Total	
	Fatal		Injury		Property Damage Only			
	Number	%	Number	%	Number	%	Number	%
Moving Constant Speed	461	69.7	23,387	50.0	43,866	44.0	67,714	46.0
Accelerating	21	3.2	2,868	6.1	4,783	4.8	7,672	5.2
Slowing or Stopping	18	2.7	5,792	12.4	10,896	10.9	16,706	11.4
Starting from Lane	8	1.2	1,182	2.5	1,828	1.8	3,018	2.1
Starting from Park	2	0.3	326	0.7	1,010	1.0	1,338	0.9
Stopped in Traffic Lane	11	1.7	2,628	5.6	5,540	5.6	8,179	5.6
Changing Lane	12	1.8	936	2.0	2,067	2.1	3,015	2.0
Passing	4	0.6	181	0.4	593	0.6	778	0.5
Parking	0	0.0	195	0.4	780	0.8	975	0.7
Parked	13	2.0	668	1.4	9,912	9.9	10,593	7.2
Backing	5	0.8	390	0.8	2,964	3.0	3,359	2.3
Making Left Turn	45	6.8	4,888	10.5	6,710	6.7	11,643	7.9
Making Right Turn	4	0.6	1,326	2.8	3,024	3.0	4,354	3.0
Right Turn on Red	0	0.0	29	0.1	45	0.0	74	0.1
Making U Turn	3	0.5	306	0.7	538	0.5	847	0.6
Skidding	48	7.3	1,358	2.9	2,312	2.3	3,718	2.5
Driverless Moving Vehicle	1	0.2	25	0.1	153	0.2	179	0.1
Other/Unknown	5	0.8	248	0.5	2,692	2.7	2,945	2.0
Total	661	100.0	46,733	100.0	99,713	100.0	147,107	100.0

Table 31 – Passenger Cars Involved in Crashes by First Harmful Event and Crash Severity

First Harmful Event	Crash Severity						Total	
	Fatal		Injury		Property Damage Only			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Collision with Motor Vehicle in Transport by Initial Impact								
Front	92	22.9	14,864	41.7	20,877	32.1	35,833	35.4
Left Side	35	8.7	2,911	8.2	5,045	7.8	7,991	7.9
Right Side	37	9.2	2,510	7.0	4,190	6.4	6,737	6.7
Rear	30	7.5	6,561	18.4	9,230	14.2	15,821	15.6
Other/Unknown	15	3.7	1,231	3.5	3,401	5.2	4,647	4.6
<i>Subtotal</i>	<i>209</i>	<i>52.1</i>	<i>28,077</i>	<i>78.7</i>	<i>42,743</i>	<i>65.7</i>	<i>71,029</i>	<i>70.2</i>
Collision with Fixed Object	100	24.9	3,319	9.3	8,028	12.3	11,447	11.3
Collision with Object Not Fixed	69	17.2	3,138	8.8	11,670	17.9	14,877	14.7
Non Collision	21	5.2	706	2.0	1,377	2.1	2,104	2.1
Unknown	2	0.5	441	1.2	1,247	1.9	1,690	1.7
Total	401	100.0	35,681	100.0	65,065	100.0	101,147	100.0

Table 32 – Passenger Cars Involved in Crashes by Initial Point of Impact, Crash Severity, and Crash Type

	Crash Severity						Total	
	Fatal		Injury		Property Damage Only			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Single-Vehicle Crashes								
Front	86	60.6	3,644	65.5	7,070	68	10,800	67.1
Left Side	16	11.3	441	7.9	795	7.6	1,252	7.8
Right Side	16	11.3	494	8.9	931	9	1,441	8.9
Rear	0	0.0	197	3.5	420	4	617	3.8
Noncollision	5	3.5	122	2.2	104	1	231	1.4
Other/Unknown	19	13.4	663	11.9	1,080	10.4	1,762	10.9
Total	142	100	5,561	100	10,400	100	16,103	100
Multiple-Vehicle Crashes								
Front	116	44.8	15,883	52.7	24,869	45.5	40,868	48.1
Left Side	46	17.8	3,182	10.6	7,508	13.7	10,736	12.6
Right Side	40	15.4	2,647	8.8	5,266	9.6	7,953	9.4
Rear	33	12.7	7,036	23.4	11,662	21.3	18,731	22
Noncollision	0	0.0	20	0.1	13	0.0	33	0.0
Other/Unknown	24	9.3	1,352	4.5	5,347	9.8	6,723	7.9
Total	259	100	30,120	100	54,665	100	85,044	100
All Crashes								
Front	202	50.4	19,527	54.7	31,939	49.1	51,668	51.1
Left Side	62	15.5	3,623	10.2	8,303	12.8	11,988	11.9
Right Side	56	14	3,141	8.8	6,197	9.5	9,394	9.3
Rear	33	8.2	7,233	20.3	12,082	18.6	19,348	19.1
Noncollision	5	1.2	142	0.4	117	0.2	264	0.3
Other/Unknown	43	10.7	2,015	5.6	6,427	9.9	8,485	8.4
Total	401	100	35,681	100	65,065	100	101,147	100

Table 33 – Light Trucks Involved in Crashes by First Harmful Event and Crash Severity

First Harmful Event	Crash Severity						Total	
	Fatal		Injury		Property Damage Only			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Collision with Motor Vehicle in Transport by Initial Impact								
Front	96	35.4	7,655	40.9	9,291	28.4	17,042	33
Left Side	12	4.4	1,424	7.6	2,408	7.4	3,844	7.4
Right Side	5	1.8	1,226	6.6	2,192	6.7	3,423	6.6
Rear	12	4.4	3,677	19.7	6,074	18.6	9,763	18.9
Other/Unknown	16	5.9	660	3.5	1,597	4.9	2,273	4.4
<i>Subtotal</i>	<i>141</i>	<i>52</i>	<i>14,642</i>	<i>78.2</i>	<i>21,562</i>	<i>65.9</i>	36,345	70.3
Collision with Fixed Object	59	21.8	1,704	9.1	3,772	11.5	5,535	10.7
Collision with Object Not Fixed	53	19.6	1,674	8.9	6,075	18.6	7,802	15.1
Non Collision	17	6.3	548	2.9	844	2.6	1,409	2.7
Unknown	1	0.4	144	0.8	466	1.4	611	1.2
Total	271	100	18,712	100	32,719	100	51,702	100

Table 34 – Light Trucks Involved in Crashes by Initial Point of Impact, Crash Severity, and Crash Type

	Crash Severity						Total	
	Fatal		Injury		Property Damage Only			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Single-Vehicle Crashes								
Front	74	76.3	1,943	65.3	3,327	64.8	5,344	65.1
Left Side	7	7.2	219	7.4	371	7.2	597	7.3
Right Side	4	4.1	287	9.6	539	10.5	830	10.1
Rear	1	1.0	103	3.5	227	4.4	331	4.0
Noncollision	1	1.0	120	4.0	121	2.4	242	2.9
Other/Unknown	10	10.3	303	10.2	553	10.8	866	10.5
Total	97	100.0	2,975	100.0	5,138	100.0	8,210	100.0
Multiple-Vehicle Crashes								
Front	115	66.1	8,112	51.5	11,052	40.1	19,279	44.3
Left Side	15	8.6	1,575	10.0	3,533	12.8	5,123	11.8
Right Side	7	4.0	1,302	8.3	2,863	10.4	4,172	9.6
Rear	15	8.6	3,988	25.3	7,650	27.7	11,653	26.8
Noncollision	1	0.6	26	0.2	7	0.0	34	0.1
Other/Unknown	21	12.1	734	4.7	2,476	9.0	3,231	7.4
Total	174	100.0	15,737	100.0	27,581	100.0	43,492	100.0
All Crashes								
Front	189	69.7	10,055	53.7	14,379	43.9	24,623	47.6
Left Side	22	8.1	1,794	9.6	3,904	11.9	5,720	11.1
Right Side	11	4.1	1,589	8.5	3,402	10.4	5,002	9.7
Rear	16	5.9	4,091	21.9	7,877	24.1	11,984	23.2
Noncollision	2	0.7	146	0.8	128	0.4	276	0.5
Other/Unknown	31	11.4	1,037	5.5	3,029	9.3	4,097	7.9
Total	271	100.0	18,712	100.0	32,719	100.0	51,702	100.0

Table 35 – Large Trucks Involved in Crashes by First Harmful Event and Crash Severity

First Harmful Event	Crash Severity						Total	
	Fatal		Injury		Property Damage Only			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Collision with Motor Vehicle in Transport by Initial Impact								
Front	32	43.8	725	39.5	1,035	22.3	1,792	27.3
Left Side	7	9.6	127	6.9	395	8.5	529	8.1
Right Side	4	5.5	140	7.6	389	8.4	533	8.1
Rear	4	5.5	251	13.7	576	12.4	831	12.7
Other/Unknown	4	5.5	197	10.7	574	12.3	775	11.8
<i>Subtotal</i>	<i>51</i>	<i>69.9</i>	<i>1,440</i>	<i>78.5</i>	<i>2,969</i>	<i>63.9</i>	4,460	68.0
Collision with Fixed Object	5	6.8	135	7.4	574	12.3	714	10.9
Collision with Object Not Fixed	15	20.5	161	8.8	903	19.4	1,079	16.5
Non Collision	2	2.7	80	4.4	128	2.8	210	3.2
Unknown	0	0.0	19	1.0	75	1.6	94	1.4
Total	73	100.0	1,835	100.0	4,649	100.0	6,557	100.0

Table 36 – Large Trucks Involved in Crashes by Initial Point of Impact, Crash Severity, and Crash Type

	Crash Severity						Total	
	Fatal		Injury		Property Damage Only			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Single-Vehicle Crashes								
Front	2	16.7	126	54.5	239	32.7	367	37.6
Left Side	1	8.3	16	6.9	54	7.4	71	7.3
Right Side	0	0.0	28	12.1	81	11.1	109	11.2
Rear	2	16.7	11	4.8	76	10.4	89	9.1
Noncollision	2	16.7	20	8.7	16	2.2	38	3.9
Other/Unknown	5	41.7	30	13.0	266	36.3	301	30.9
Total	12	100.0	231	100.0	732	100.0	975	100.0
Multiple-Vehicle Crashes								
Front	35	57.4	777	48.4	1,245	31.8	2,057	36.9
Left Side	7	11.5	149	9.3	505	12.9	661	11.8
Right Side	5	8.2	146	9.1	509	13.0	660	11.8
Rear	8	13.1	296	18.5	807	20.6	1,111	19.9
Noncollision	0	0.0	0	0.0	1	0.0	1	0.0
Other/Unknown	6	9.8	236	14.7	850	21.7	1,092	19.6
Total	61	100.0	1,604	100.0	3,917	100.0	5,582	100.0
All Crashes								
Front	37	50.7	903	49.2	1,484	31.9	2,424	37.0
Left Side	8	11.0	165	9.0	559	12.0	732	11.2
Right Side	5	6.8	174	9.5	590	12.7	769	11.7
Rear	10	13.7	307	16.7	883	19.0	1,200	18.3
Noncollision	2	2.7	20	1.1	17	0.4	39	0.6
Other/Unknown	11	15.1	266	14.5	1,116	24.0	1,393	21.2
Total	73	100.0	1,835	100.0	4,649	100.0	6,557	100.0

Table 37 – Large Trucks Involved in Crashes by Truck Type, Rollover Occurrence, and Crash Severity

	Rollover Occurrence						Total	
	Yes		No		Unknown		Number	Percent
	Number	Percent	Number	Percent	Number	Percent		
Fatal Crashes								
Single Truck 2 Axles	0	0.0	30	100.0	0	0.0	30	100.0
Single Truck 3 Axles	0	0.0	16	100.0	0	0.0	16	100.0
Truck Tractor	1	3.7	26	96.3	0	0.0	27	100.0
Total	1	1.4	72	98.6	0	0.0	73	100.0
Injury Crashes								
Single Truck 2 Axles	10	0.9	1,047	99.1	0	0.0	1,057	100.0
Single Truck 3 Axles	9	3.7	232	96.3	0	0.0	241	100.0
Truck Tractor	18	3.4	519	96.6	0	0.0	537	100.0
Total	37	2.0	1,798	98.0	0	0.0	1,835	100.0
Property-Damage-Only Crashes								
Single Truck 2 Axles	14	0.5	2,750	99.4	2	0.1	2,766	100.0
Single Truck 3 Axles	4	0.7	571	99.1	1	0.2	576	100.0
Truck Tractor	16	1.2	1,290	98.7	1	0.1	1,307	100.0
Total	34	0.7	4,611	99.2	4	0.1	4,649	100.0
All Crashes								
Single Truck 2 Axles	24	0.6	3,827	99.3	2	0.1	3,853	100.0
Single Truck 3 Axles	13	1.6	819	98.3	1	0.1	833	100.0
Truck Tractor	35	1.9	1,835	98.1	1	0.1	1,871	100.0
Total	72	1.1	6,481	98.8	4	0.1	6,557	100.0

Table 38 – Motorcycles Involved in Crashes by First Harmful Event and Crash Severity

First Harmful Event	Crash Severity						Total	
	Fatal		Injury		Property Damage Only			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Collision with Motor Vehicle in Transport by Initial Impact								
Front	26	32.9	423	26.2	164	27.2	613	26.7
Left Side	5	6.3	84	5.2	36	6.0	125	5.4
Right Side	2	2.5	66	4.1	20	3.3	88	3.8
Rear	4	5.1	71	4.4	49	8.1	124	5.4
Other/Unknown	5	6.3	127	7.9	69	11.4	201	8.8
<i>Subtotal</i>	<i>42</i>	<i>53.2</i>	<i>771</i>	<i>47.8</i>	<i>338</i>	<i>56.1</i>	<i>1,151</i>	<i>50.2</i>
Collision with Fixed Object	22	27.8	241	15.0	57	9.5	320	13.9
Collision with Object Not Fixed	4	5.1	169	10.5	136	22.6	309	13.5
Non Collision	9	11.4	366	22.7	49	8.1	424	18.5
Unknown	2	2.5	65	4.0	23	3.8	90	3.9
Total	79	100.0	1,612	100.0	603	100.0	2,294	100.0

Table 39 – Motorcycles Involved in Crashes by Initial Point of Impact, Crash Severity, and Crash Type

	Crash Severity						Total	
	Fatal		Injury		Property Damage Only			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Single-Vehicle Crashes								
Front	13	44.8	231	30.5	56	42.4	300	32.6
Left Side	3	10.3	140	18.5	14	10.6	157	17.1
Right Side	5	17.2	143	18.9	29	22.0	177	19.3
Rear	0	0.0	7	0.9	1	0.8	8	0.9
Noncollision	6	20.7	119	15.7	13	9.8	138	15.0
Other/Unknown	2	6.9	118	15.6	19	14.4	139	15.1
Total	29	100.0	758	100.0	132	100.0	919	100.0
Multiple-Vehicle Crashes								
Front	28	56.0	465	54.4	211	44.8	704	51.2
Left Side	6	12.0	96	11.2	55	11.7	157	11.4
Right Side	4	8.0	81	9.5	33	7.0	118	8.6
Rear	4	8.0	75	8.8	63	13.4	142	10.3
Noncollision	4	8.0	30	3.5	5	1.1	39	2.8
Other/Unknown	4	8.0	107	12.5	104	22.1	215	15.6
Total	50	100.0	854	100.0	471	100.0	1,375	100.0
All Crashes								
Front	41	51.9	696	43.2	267	44.3	1,004	43.8
Left Side	9	11.4	236	14.6	69	11.4	314	13.7
Right Side	9	11.4	224	13.9	62	10.3	295	12.9
Rear	4	5.1	82	5.1	64	10.6	150	6.5
Noncollision	10	12.7	149	9.2	18	3.0	177	7.7
Other/Unknown	6	7.6	225	14.0	123	20.4	354	15.4
Total	79	100.0	1,612	100.0	603	100.0	2,294	100.0

Table 40 – Buses Involved in Crashes by First Harmful Event and Crash Severity

First Harmful Event	Crash Severity						Total	
	Fatal		Injury		Property Damage Only			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Collision with Motor Vehicle in Transport by Initial Impact								
Front	3	37.5	214	38.4	466	19.0	683	22.6
Left Side	1	12.5	65	11.6	411	16.7	477	15.8
Right Side	0	0.0	41	7.3	229	9.3	270	8.9
Rear	0	0.0	111	19.9	481	19.6	592	19.6
Other/Unknown	0	0.0	26	4.7	194	7.9	220	7.3
<i>Subtotal</i>	<i>4</i>	<i>50.0</i>	<i>457</i>	<i>81.9</i>	<i>1,781</i>	<i>72.5</i>	2,242	74.1
Collision with Fixed Object	0	0.0	16	2.9	142	5.8	158	5.2
Collision with Object Not Fixed	4	50.0	69	12.4	498	20.3	571	18.9
Non Collision	0	0.0	8	1.4	8	0.3	16	0.5
Unknown	0	0.0	8	1.4	29	1.2	37	1.2
Total	8	100.0	558	100.0	2,458	100.0	3,024	100.0

Table 41 – Buses Involved in Crashes by Initial Point of Impact, Crash Severity, and Crash Type

	Crash Severity						Total	
	Fatal		Injury		Property Damage Only			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Single-Vehicle Crashes								
Front	4	100.0	26	37.1	54	27.4	84	31.0
Left Side	0	0.0	2	2.9	9	4.6	11	4.1
Right Side	0	0.0	20	28.6	51	25.9	71	26.2
Rear	0	0.0	2	2.9	30	15.2	32	11.8
Other/Unknown	0	0.0	20	28.6	53	26.9	73	26.9
Total	4	100.0	70	100.0	197	100.0	271	100.0
Multiple-Vehicle Crashes								
Front	3	75.0	226	46.3	538	23.8	767	27.9
Left Side	1	25.0	69	14.1	487	21.5	557	20.2
Right Side	0	0.0	46	9.4	374	16.5	420	15.3
Rear	0	0.0	117	24.0	613	27.1	730	26.5
Other/Unknown	0	0.0	30	6.1	249	11.0	279	10.1
Total	4	100.0	488	100.0	2,261	100.0	2,753	100.0
All Crashes								
Front	7	87.5	252	45.2	592	24.1	851	28.1
Left Side	1	12.5	71	12.7	496	20.2	568	18.8
Right Side	0	0.0	66	11.8	425	17.3	491	16.2
Rear	0	0.0	119	21.3	643	26.2	762	25.2
Other/Unknown	0	0.0	50	9.0	302	12.3	352	11.6
Total	8	100.0	558	100.0	2,458	100.0	3,024	100.0

Chapter 4: 2009 People

Table 42 - Persons Killed or Injured by Person Type and Injury Severity

Person Type	Person Killed	Person Injured by Injury Severity				Total Killed or Injured
		Incapacitating	Nonincapacitating	Possible	Total Injured	
Vehicle Occupants						
Driver	274	2,624	11,301	16,187	30,112	30,386
Passenger	83	897	3,873	7,601	12,371	12,454
Occupant of Unknown Body Type	0	9	37	39	85	85
<i>Subtotal</i>	<i>357</i>	<i>3,530</i>	<i>15,211</i>	<i>23,827</i>	<i>42,568</i>	<i>42,925</i>
Motorcycle Riders	70	372	888	421	1,681	1,751
Nonmotorists						
Pedestrian	111	396	1,081	863	2,340	2,451
Pedalcyclist	10	62	293	191	546	556
Other/Unknown	2	24	87	84	195	197
<i>Subtotal</i>	<i>123</i>	<i>482</i>	<i>1,461</i>	<i>1,138</i>	<i>3,081</i>	<i>3,204</i>
Total	550	4,384	17,560	25,386	47,330	47,880

Table 43 - Persons Killed or Injured, by Age and Injury Severity

Age(Year)	Persons Killed	Person Injured by Injury Severity				Total Killed or Injured
		Incapacitating	Nonincapacitating	Possible	Total Injured	
<5	1	36	197	742	975	976
5-9	5	70	361	758	1,189	1,194
10-15	11	124	567	996	1,687	1,698
16-20	66	524	2,401	3,224	6,149	6,215
21-24	51	495	1,982	2,665	5,142	5,193
25-34	87	836	3,380	4,817	9,033	9,120
35-44	62	705	2,658	3,875	7,238	7,300
45-54	107	736	2,679	3,602	7,017	7,124
55-64	59	406	1,627	2,092	4,125	4,184
65-74	45	197	746	1,075	2,018	2,063
75+	50	152	580	644	1,376	1,542
Unknown	6	103	382	896	1,381	1,271
Total	550	4,384	17,560	25,386	47,330	47,880

Table 44 - Persons Killed or Injured by Sex and Injury Severity

Gender	Person Killed	Person Injured by Injury Severity				Total Killed or Injured
		Incapacitating	Nonincapacitating	Possible	Total Injured	
Male	400	2,354	8,568	11,749	22,671	23,071
Female	149	2,025	8,967	13,573	24,565	24,714
Unknown	1	5	25	64	94	95
Total	550	4,384	17,560	25,386	47,330	47,880

Table 45 - Persons Killed or Injured and Fatality and Injury Rates per 100,000 Population by Age and Sex

Age(Years)	Male			Female			Total		
	Killed	Population (Thousands)	Rate	Killed	Population (Thousands)	Rate	Killed	Population (Thousands)	Rate
<5	1	194	0.5	0	186	0.0	1	381	0.3
5-9	2	189	1.1	3	181	1.7	5	370	1.4
10-15	9	225	4.0	2	216	0.9	11	441	2.5
16-20	51	206	24.8	15	197	7.6	66	403	16.4
21-24	36	154	23.3	15	150	10.0	51	304	16.8
25-34	69	378	18.3	17	379	4.5	86	757	11.4
35-44	54	388	13.9	8	412	1.9	62	800	7.7
45-54	72	426	16.9	35	460	7.6	107	887	12.1
55-64	40	312	12.8	19	349	5.4	59	662	8.9
65-74	31	173	17.9	14	207	6.8	45	380	11.8
75+	29	118	24.5	21	197	10.7	50	315	15.9
Unknown	6	---	---	0	---	---	6	---	---
Total	400	2,764	14.3	149	2,936	5.1	549	5,699	9.5
Age(Years)	Male			Female			Total		
	Injured	Population (Thousands)	Rate	Injured	Population (Thousands)	Rate	Injured	Population (Thousands)	Rate
<5	505	194	259.7	466	186	250.3	971	381	255.1
5-9	600	189	317.4	585	181	322.7	1,185	370	320.0
10-15	832	225	369.5	852	216	394.2	1,684	441	381.6
16-20	2,870	206	1,393.3	3,275	197	1,663.4	6,145	403	1,525.3
21-24	2,492	154	1,614.5	2,648	150	1,764.8	5,140	304	1,688.6
25-34	4,475	378	1,184.9	4,553	379	1,200.4	9,028	757	1,192.7
35-44	3,431	388	884.9	3,801	412	921.7	7,232	800	903.9
45-54	3,327	426	780.8	3,687	460	800.7	7,014	887	791.1
55-64	1,912	312	612.6	2,210	349	632.5	4,122	662	623.1
65-74	902	173	521.2	1,114	207	538.5	2,016	380	530.6
75+	627	118	530.7	748	197	380.2	1,375	315	436.7
Unknown	698	---	---	626	---	---	1,324	---	---
Total	22,671	2,764	795.0	24,565	2,936	815.5	47,236	5,699	805.5

Table 46 - Persons Killed or Injured in Crashes by Weather Condition and Light Condition

Weather Condition	Light Condition				Unknown	Total
	Daylight	Dark, But lighted	Dark	Dawn or Dusk		
Persons Killed						
Clear/Cloudy	208	115	109	19	0	451
Raining	35	17	18	5	0	75
Snow/Sleet	6	3	3	0	0	12
Other	1	0	7	2	0	10
Unknown	1	1	0	0	0	2
Total	251	136	137	26	0	550
Persons Injured						
Clear/Cloudy	26,050	7,486	2,550	1,392	146	37,624
Raining	4,631	2,204	639	398	31	7,903
Snow/Sleet	651	250	139	48	7	1,095
Other	207	100	84	45	2	438
Unknown	185	29	11	12	33	270
Total	31,724	10,069	3,423	1,895	219	47,330

Table 47 - Persons Killed or Injured in Crashes by Speed Limit and Crash Type

Speed Limit	Crash Type				Total	
	Single Vehicle		Multiple Vehicle			
	Number	Percent	Number	Percent	Number	Percent
Persons Killed						
30 mph or less	25	8.2	35	14.3	60	10.9
35 or 40 mph	75	24.5	53	21.7	128	23.3
45 or 50 mph	54	17.6	76	31.1	130	23.6
55 mph	31	10.1	49	20.1	80	14.5
60 mph or higher	12	3.9	9	3.7	21	3.8
No Statutory Limit / Unknown	109	35.6	22	9.0	131	23.8
Total	306	100.0	244	100.0	550	100.0
Persons Injured						
30 mph or less	2,155	18.5	10,935	30.7	13,090	27.7
35 or 40 mph	2,663	22.8	12,223	34.3	14,886	31.5
45 or 50 mph	1,507	12.9	6,093	17.1	7,600	16.1
55 mph	1,398	12.0	3,875	10.9	5,273	11.1
60 mph or higher	736	6.3	1,018	2.9	1,754	3.7
No Statutory Limit / Unknown	3,221	27.6	1,506	4.2	4,727	10.0
Total	11,680	100.0	35,650	100.0	47,330	100.0

Table 48 - Persons Killed in Crashes by Speed Limit and Land Use - 2009

Speed Limit	Land Use						Total	
	Rural		Urban		Unknown			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
30 mph or less	9	15.0	33	55.0	18	30.0	60	100.0
35 or 40 mph	30	23.4	84	65.6	14	10.9	128	100.0
45 or 50 mph	77	59.2	50	38.5	3	2.3	130	100.0
55 mph	30	37.5	49	61.3	1	1.3	80	100.0
60 mph or higher	10	47.6	11	52.4	0	0.0	21	100.0
No Statutory Limit / Unknown	20	15.3	90	68.7	21	16.0	131	100.0
Total	176	32.0	317	57.6	57	10.4	550	100.0

Table 49 - Persons Killed or Injured in Crashes and Percent Alcohol-Related by Time of Day and Crash Type

Time of Day	Crash Type						Total		
	Single Vehicle			Multiple Vehicle			Number	Alcohol-Related	% Alcohol Related
	Number	Alcohol-Related	% Alcohol Related	Number	Alcohol-Related	% Alcohol Related			
Persons Killed									
Midnight to 3 am	59	35	59.3	28	11	39.3	87	46	52.9
3 am to 6 am	38	17	44.7	18	6	33.3	56	23	41.1
6 am to 9 am	19	3	15.8	27	2	7.4	46	5	10.9
9 am to Noon	22	7	31.8	24	0	0.0	46	7	15.2
Noon to 3 pm	33	5	15.2	43	3	7.0	76	8	10.5
3 pm to 6 pm	39	8	20.5	39	7	17.9	78	15	19.2
6 pm to 9 pm	50	23	46.0	36	6	16.7	86	29	33.7
9 pm to Midnight	46	27	58.7	29	7	24.1	75	34	45.3
Total	306	125	40.8	244	42	17.2	550	167	30.4
Persons Injured									
Midnight to 3 am	1,294	411	31.8	1,560	145	9.3	2,854	556	19.5
3 am to 6 am	793	177	22.3	889	65	7.3	1,682	242	14.4
6 am to 9 am	1,305	113	8.7	4,178	49	1.2	5,483	162	3.0
9 am to Noon	1,284	111	8.6	4,929	39	0.8	6,213	150	2.4
Noon to 3 pm	1,675	164	9.8	6,686	60	0.9	8,361	224	2.7
3 pm to 6 pm	2,017	287	14.2	8,682	88	1.0	10,699	375	3.5
6 pm to 9 pm	1,833	323	17.6	5,554	138	2.5	7,387	461	6.2
9 pm to Midnight	1,472	313	21.3	3,171	137	4.3	4,643	450	9.7
Unknown	7	2	28.6	1	0	0.0	8	2	25.0
Total	11,680	1,901	16.3	35,650	721	2.0	47,330	2,622	5.5

* Figures from MAARS (state crash reports)

Table 50 - Persons Killed in Construction/Maintenance Zones, by Roadway Class and Person Type

Roadway Class	Person Type				Total
	Driver	Motorcycle Riders	Pedestrian	Other/Unknown	
Interstate	1	0	0	0	1
US	0	1	0	0	1
Maryland	0	1	3	1	5
County	0	1	0	0	1
City	0	0	1	0	1
Total	1	3	4	1	9

Table 51 - Driver Involvement Rates per 100,000 Licensed Drivers by Age, Sex and Crash Severity

Age (Years)	Sex					Total	
	Male		Female		Unknown		
	Drivers	Involvement Rate	Drivers	Involvement Rate	Drivers	Drivers	Involvement Rate
Drivers in Fatal Crashes							
<16	1	0.0	0	0.2	0	1	0.1
16-20	65	12.6	26	46.7	1	92	16.1
21-24	50	10.4	16	44.0	0	66	16.4
25-34	125	10.9	41	44.0	1	167	16.5
35-44	101	6.4	25	30.8	1	127	12.6
45-54	115	11.0	47	35.2	0	162	13.0
55-64	66	6.7	21	24.9	0	87	10.0
65-74	43	10.4	18	29.5	0	61	11.3
75+	25	13.5	16	20.8	0	41	7.9
Unknown	3	---	0	---	37	40	---
Total	594	7.6	210	27.4	40	844	10.4
Drivers in Injury Crashes							
<16	64	7.1	43	18.3	0	107	5.4
16-20	3,517	1,528.7	3,149	3,389.3	7	6,673	873.0
21-24	3,481	1,878.8	2,900	4,257.9	8	6,389	1,143.5
25-34	6,907	1,447.3	5,466	3,267.5	20	12,393	912.5
35-44	5,827	1,215.2	4,712	2,560.3	19	10,558	728.3
45-54	5,476	1,005.3	4,284	2,122.6	14	9,774	617.6
55-64	3,412	808.6	2,524	1,703.3	15	5,951	515.8
65-74	1,585	688.3	1,191	1,345.3	7	2,783	417.2
75+	1,021	616.2	728	889.5	1	1,750	324.3
Unknown	667	---	351	---	2,587	3,605	---
Total	31,957	904.4	25,348	1,920.4	2,678	59,983	549.0

Table 51 - Driver Involvement Rates per 100,000 Licensed Drivers by Age, Sex and Crash Severity (continued)

Age (Years)	Sex					Total	
	Male		Female		Unknown		
	Drivers	Involvement Rate	Drivers	Involvement Rate	Drivers	Drivers	Involvement Rate
Drivers in Property-Damage-Only Crashes							
<16	106	17.4	58	9.9	0	164	13.8
16-20	6,192	3,006.0	4,485	2,278.0	39	10,716	2,659.9
21-24	6,396	4,143.7	4,302	2,867.1	67	10,765	3,536.4
25-34	12,076	3,197.4	7,914	2,086.6	116	20,106	2,656.1
35-44	10,138	2,614.6	6,524	1,582.1	108	16,770	2,095.9
45-54	8,967	2,104.3	5,640	1,224.8	118	14,725	1,660.8
55-64	5,483	1,756.6	3,301	944.8	65	8,849	1,337.7
65-74	2,234	1,291.0	1,442	697.1	16	3,692	971.8
75+	1,340	1,134.2	914	464.6	18	2,272	721.5
Unknown	2,933	---	1,521	---	22,762	27,216	---
Total	55,865	1,915.2	36,101	1,177.9	23,309	115,275	1,545.0
Drivers in All Crashes							
<16	171	28.1	101	17.3	0	272	22.8
16-20	9,774	4,744.9	7,660	3,890.6	47	17,481	4,339.1
21-24	9,927	6,431.3	7,218	4,810.4	75	17,220	5,657.0
25-34	19,108	5,059.3	13,421	3,538.5	137	32,666	4,315.4
35-44	16,066	4,143.4	11,261	2,730.8	128	27,455	3,431.3
45-54	14,558	3,416.4	9,971	2,165.3	132	24,661	2,781.5
55-64	8,961	2,870.9	5,846	1,673.2	80	14,887	2,250.4
65-74	3,862	2,231.8	2,651	1,281.5	23	6,536	1,720.4
75+	2,386	2,019.6	1,658	842.7	19	4,063	1,290.3
Unknown	3,603	---	1,872	---	25,386	30,861	---
Total	88,416	3,068.7	61,659	2,036.6	26,027	176,102	2,548.3

Table 52 - Related Factors for Drivers and Motorcycle Operators Involved in Fatal Crashes

Factors	Number	Percent
Under influence of drugs	1	0.1
Under influence of alcohol	56	4.6
Under combined of medication	2	0.2
Under combined influence	4	0.3
Physical/mental difficulty	8	0.7
Fell asleep, fainted, etc	13	1.1
Failed to give full time and attention	136	11.2
Did not comply with license restrictions	5	0.4
Failed to drive within a single lane	166	13.6
Failed to yield right of way	53	4.3
Failed to obey stop sign	8	0.7
Failed to obey traffic signal	10	0.8
Failed to obey other traffic control	10	0.8
Failed to keep right of center	70	5.7
Failed to stop for school bus	1	0.1
Wrong way on one way road	1	0.1
Exceeded speed limit	66	5.4
Operator using a cellular telephone	0	0.0
Stopping in lane/roadway	7	0.6
Too fast for conditions	126	10.3
Follow too closely	15	1.2
Improper turn	9	0.7
Improper lane change	11	0.9
Improper backing	2	0.2
Improper passing	5	0.4
Improper signal	0	0.0
Improper parking	0	0.0
Interference/Obstruction by passenger	0	0.0
Other factors	79	6.5
Not applicable	355	29.1
Unknown	0	0.0
Total Drivers	1,219	100.0

* The sum of the numbers is greater than total drivers and operators involved as more than one factor may be present for the same person. *
Figures from MAARS (state crash reports)

Table 53 - Vehicle Occupants Killed or Injured, by Vehicle Type, Person Type, and Injury Severity

Vehicle and Person Type		Persons Killed	Persons Injured by Injury Severity				Total Killed or Injured
			Incapacitating	Nonincapacitating	Possible	Total Injured	
Passenger Car							
	Drivers	174	1,682	7,415	10,827	19,924	20,098
	Passengers	56	548	2,360	4,571	7,479	7,535
	<i>Subtotal</i>	<i>230</i>	<i>2,230</i>	<i>9,775</i>	<i>15,398</i>	<i>27,403</i>	27,633
Light Truck							
	Drivers	91	820	3,378	4,658	8,856	8,947
	Passengers	24	314	1,266	2,327	3,907	3,931
	<i>Subtotal</i>	<i>115</i>	<i>1,134</i>	<i>4,644</i>	<i>6,985</i>	<i>12,763</i>	12,878
Large Truck							
	Drivers	7	56	185	313	554	561
	Passengers	3	18	51	74	143	146
	<i>Subtotal</i>	<i>10</i>	<i>74</i>	<i>236</i>	<i>387</i>	<i>697</i>	707
Bus							
	Drivers	0	5	50	94	149	149
	Passengers	0	9	125	494	628	628
	<i>Subtotal</i>	<i>0</i>	<i>14</i>	<i>175</i>	<i>588</i>	<i>777</i>	777
Other/Unknown							
	Drivers	2	70	309	331	710	712
	Passengers	0	8	72	138	218	218
	<i>Subtotal</i>	<i>2</i>	<i>78</i>	<i>381</i>	<i>469</i>	<i>928</i>	930
Subtotal							
	Drivers	274	2,633	11,337	16,223	30,193	30,467
	Passengers	83	897	3,874	7,604	12,375	12,458
	<i>Subtotal</i>	<i>357</i>	<i>3,530</i>	<i>15,211</i>	<i>23,827</i>	<i>42,568</i>	42,925
Motorcycle							
	Drivers	70	334	799	376	1,509	1,579
	Passengers	0	38	89	45	172	172
	<i>Subtotal</i>	<i>70</i>	<i>372</i>	<i>888</i>	<i>421</i>	<i>1,681</i>	1,751
	Total	427	3,902	16,099	24,248	44,249	44,676

Table 54 - Vehicle Occupants Killed or Injured, by Sex and Vehicle Type

Sex	Vehicle Type						Subtotal	Motorcycles	Total
	Passenger Car	Light Truck	Large Truck	Bus	Other/Unknown				
Occupants Killed									
Male	152	87	7	0	2	248	69	317	
Female	78	28	3	0	0	109	1	110	
Total	230	115	10	0	2	357	70	427	
Occupants Injured									
Male	11,529	6,317	578	375	620	19,419	1,354	20,773	
Female	15,828	6,423	118	391	299	23,059	324	23,383	
Unknown	46	23	1	11	9	90	3	93	
Total	27,403	12,763	697	777	928	42,568	1,681	44,249	

Table 55 - Vehicle Occupants Killed or Injured, by Age and Vehicle Type

Age (Year)	Vehicle Type						Subtotal	Motorcycle	Total
	Passenger Car	Light Truck	Large Truck	Bus	Other/Unknown				
Occupants Killed									
<5	0	0	0	0	0	0	0	0	0
5-9	1	1	0	0	0	2	1	3	
10-15	5	0	1	0	0	6	0	6	
16-20	36	12	0	0	0	48	3	51	
21-24	30	8	1	0	0	39	5	44	
25-34	41	16	0	0	1	58	15	73	
35-44	18	15	1	0	1	35	15	50	
45-54	29	28	2	0	0	59	22	81	
55-64	16	16	3	0	0	35	7	42	
65-74	20	11	0	0	0	31	1	32	
75+	33	8	0	0	0	41	1	42	
Unknown	1	0	2	0	0	3	0	3	
Total	230	115	10	0	2	357	70	427	
Occupants Injured									
<5	549	343	5	11	8	916	2	918	
5-9	551	389	5	38	10	993	5	998	
10-15	732	496	15	45	25	1,313	24	1,337	
16-20	4,149	1,301	40	55	75	5,620	154	5,774	
21-24	3,527	955	57	46	112	4,697	189	4,886	
25-34	5,458	2,301	151	95	220	8,225	369	8,594	
35-44	3,699	2,364	164	119	184	6,530	325	6,855	
45-54	3,552	2,217	147	169	110	6,195	389	6,584	
55-64	2,266	1,237	66	72	55	3,696	164	3,860	
65-74	1,236	574	26	21	13	1,870	35	1,905	
75+	985	294	6	5	5	1,295	6	1,301	
Unknown	699	292	15	101	111	1,218	19	1,237	
Total	27,403	12,763	697	777	928	42,568	1,681	44,249	

Table 56 - Vehicle Occupants Killed or Injured, by Age, Person Type, and Sex

Age (Year)	Person Type											
	Drivers						Passengers					
	Male		Female		Total		Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Occupants Killed												
<5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
5-9	1	100	0	0	1	100.0	0	0	2	100	2	100.0
10-15	0	0	0	0	0	0.0	5	83.3	1	16.7	6	100.0
16-20	28	80	7	20	35	100.0	11	68.8	5	31.3	16	100.0
21-24	27	79.4	7	20.6	34	100.0	7	70	3	30	10	100.0
25-34	50	84.7	9	15.3	59	100.0	10	71.4	4	28.6	14	100.0
35-44	41	89.1	5	10.9	46	100.0	4	100	0	0	4	100.0
45-54	53	71.6	21	28.4	74	100.0	2	28.6	5	71.4	7	100.0
55-64	29	78.4	8	21.6	37	100.0	1	20	4	80	5	100.0
65-74	19	70.4	8	29.6	27	100.0	2	40	3	60	5	100.0
75+	19	63.3	11	36.7	30	100.0	5	41.7	7	58.3	12	100.0
Unknown	1	100	0	0	1	100.0	2	100	0	0	2	100.0
Total	268	77.9	76	22.1	344	100.0	49	59	34	41	83	100.0
Occupants Injured												
<5	1	50	1	50	2	100.0	469	51.4	443	48.6	912	100.0
5-9	3	60	2	40	5	100.0	465	47	524	53	989	100.0
10-15	39	57.4	29	42.6	68	100.0	551	43.5	715	56.5	1,266	100.0
16-20	1,803	48	1,951	52	3,754	100.0	844	41.8	1,173	58.2	2,017	100.0
21-24	1,800	49.3	1,853	50.7	3,653	100.0	540	43.9	691	56.1	1,231	100.0
25-34	3,431	49.6	3,480	50.4	6,911	100.0	775	46.2	903	53.8	1,678	100.0
35-44	2,772	48.2	2,979	51.8	5,751	100.0	414	37.7	684	62.3	1,098	100.0
45-54	2,701	49.6	2,744	50.4	5,445	100.0	369	32.5	767	67.5	1,136	100.0
55-64	1,571	48.9	1,642	51.1	3,213	100.0	181	28.1	463	71.9	644	100.0
65-74	756	49.7	765	50.3	1,521	100.0	93	24.3	289	75.7	382	100.0
75+	533	53.6	461	46.4	994	100.0	59	19.3	247	80.7	306	100.0
Unknown	190	57.4	141	42.6	331	100.0	413	48.6	436	51.4	849	100.0
Total	15,600	49.3	16,048	50.7	31,648	100.0	5,173	41.4	7,335	58.6	12,508	100.0

Table 57 - Vehicle Occupants Killed or Injured, by Vehicle Type and First Harmful Event

Vehicle Type	First Harmful Event										Total	
	Collision With						Noncollision		Other/Unknown			
	Motor Vehicle in Transport		Object Not Fixed		Fixed Object							
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Occupants Killed												
Passenger Car	110	47.8	92	40.0	7	3.0	20	8.7	1	0.4	230	100.0
Light Truck	45	39.1	52	45.2	3	2.6	15	13.0	0	0.0	115	100.0
Large Truck	3	30.0	5	50.0	0	0.0	2	20.0	0	0.0	10	100.0
Other/Unknown	0	0.0	1	50.0	0	0.0	1	50.0	0	0.0	2	100.0
Motorcycle	35	50.0	21	30.0	3	4.3	9	12.9	2	2.9	70	100.0
Total	193	45.2	171	40.0	13	3.0	47	11.0	3	0.7	427	100.0
Occupants Injured												
Passenger Car	21,373	78.0	3,803	13.9	1,021	3.7	879	3.2	327	1.2	27,403	100.0
Light Truck	9,514	74.5	2,023	15.9	447	3.5	672	5.3	107	0.8	12,763	100.0
Large Truck	443	63.6	127	18.2	36	5.2	80	11.5	11	1.6	697	100.0
Bus	677	87.1	45	5.8	32	4.1	10	1.3	13	1.7	777	100.0
Other/Unknown	589	63.5	114	12.3	151	16.3	49	5.3	25	2.7	928	100.0
Motorcycle	785	46.7	264	15.7	169	10.1	393	23.4	70	4.2	1,681	100.0
Total	33,381	75.4	6,376	14.4	1,856	4.2	2,083	4.7	553	1.2	44,249	100.0

Table 58 - Vehicle Occupants Killed or Injured, by Initial Point of Impact and Vehicle Type

Initial Point of Impact	Vehicle Type						Total
	Passenger Car	Light Truck	Large Truck	Bus	Other/Unknown	Motorcycle	
Occupants Killed							
Front	97	74	4	0	1	38	214
Left	42	13	0	0	0	7	62
Right	51	7	0	0	1	8	67
Rear	18	8	2	0	0	1	29
Other/Unknown	22	13	4	0	0	16	55
Total	230	115	10	0	2	70	427
Occupants Injured							
Front	14,469	6,508	370	368	367	735	22,817
Left	3,029	1,320	70	112	97	251	4,879
Right	2,628	1,151	55	56	129	236	4,255
Rear	5,943	3,016	126	175	147	76	9,483
Other/Unknown	1,334	768	76	66	188	383	2,815
Total	27,403	12,763	697	777	928	1,681	44,249

Table 59 - Vehicle Occupants Killed or Injured, by Vehicle Type and Ejection

Vehicle Type	Ejected		Not Ejected		Other/Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Occupants Killed								
Passenger Car	35	15.2	194	84.3	1	0.4	230	100.0
Light Truck	32	27.8	80	69.6	3	2.6	115	100.0
Large Truck	0	0.0	10	100.0	0	0.0	10	100.0
Other/Unknown	1	50.0	1	50.0	0	0.0	2	100.0
Motorcycle	65	92.9	5	7.1	0	0.0	70	100.0
Total	133	31.1	290	67.9	4	0.9	427	100.0
Occupants Injured								
Passenger Car	146	0.5	27,135	99.0	122	0.4	27,403	100.0
Light Truck	111	0.9	12,597	98.7	55	0.4	12,763	100.0
Large Truck	9	1.3	684	98.1	4	0.6	697	100.0
Bus	1	0.1	774	99.6	2	0.3	777	100.0
Other/Unknown	86	9.3	832	89.7	10	1.1	928	100.0
Motorcycle	932	55.4	718	42.7	31	1.8	1,681	100.0
Total	1,285	2.9	42,740	96.6	224	0.5	44,249	100.0

***Ejected includes occupants partially ejected*

Table 60 - Occupants Killed or Injured in Two-Vehicle Crashes, by Vehicle Types Involved

Vehicle Type	Occupants Killed	Vehicle Type	Occupants Killed	Total Occupants Killed
Passenger Car	-	Passenger Car	-	27
Passenger Car	49	Light Truck	11	60
Passenger Car	25	Large Truck	3	28
Passenger Car	1	Bus	0	1
Passenger Car	0	Motorcycle	20	20
Passenger Car	1	Other/Unknown	1	2
Light Truck	-	Light Truck	-	16
Light Truck	12	Large Truck	1	13
Light Truck	2	Bus	0	2
Light Truck	0	Motorcycle	9	9
Light Truck	1	Other/Unknown	0	1
Large Truck	-	Large Truck	-	0
Large Truck	0	Bus	0	0
Large Truck	0	Motorcycle	3	3
Large Truck	0	Other/Unknown	0	0
Motorcycle	-	Motorcycle	-	4
Motorcycle	0	Bus	0	0
Motorcycle	1	Other/Unknown	0	1
Other/Unknown	-	Other/Unknown	-	0
Total Occupants Killed				187
Vehicle Type	Occupants Injured	Vehicle Type	Occupants Injured	Total Occupants Injured
Passenger Car	-	Passenger Car	-	10,372
Passenger Car	6,065	Light Truck	4,268	10,333
Passenger Car	764	Large Truck	173	937
Passenger Car	180	Bus	384	564
Passenger Car	64	Motorcycle	433	497
Passenger Car	488	Other Unknown	354	842
Light Truck	-	Light Truck	-	2,884
Light Truck	330	Large Truck	96	426
Light Truck	84	Bus	174	258
Light Truck	32	Motorcycle	256	288
Light Truck	158	Other Unknown	147	305
Large Truck	-	Large Truck	-	82
Large Truck	8	Bus	50	58
Large Truck	4	Motorcycle	21	25
Large Truck	10	Other/Unknown	21	31

Table 60 - Occupants Killed or Injured in Two-Vehicle Crashes, by Vehicle Types Involved (continued)

Vehicle Type	Occupants Injured	Vehicle Type	Occupants Injured	Total Occupants Injured
Motorcycle	2	Bus	0	2
Motorcycle	-	Motorcycle	-	56
Motorcycle	21	Other Unknown	4	25
Bus	-	Motorcycle	-	17
Bus	24	Other Unknown	5	29
Other/Unknown	-	Other Unknown	-	82
Total Occupants Injured				28,113

Table 61 - Occupants Involved in Fatal Crashes and Occupant Fatalities by Vehicle Body Types

Body Type		Occupants Involved		Occupants Killed	
		No.	%	No.	%
Passenger Cars	Automobile	599	46.7	227	53.2
	Station Wagon	10	0.8	3	0.7
	Subtotal	609	47.5	230	53.9
Light Trucks	Pickup Truck	118	9.2	47	11
	Recreational Vehicle	217	16.9	47	11
	Van	115	9	21	4.9
	Subtotal	450	35	115	26.9
Large Trucks	Single Truck 2 Axles	37	2.9	6	1.4
	Single Truck 3 Axles	16	1.2	0	0
	Truck Tractor	29	2.3	4	0.9
	Subtotal	82	6.4	10	2.3
Motorcycles		82	6.4	70	16.4
Buses	School Bus	44	3.4	0	0
	Transit Bus	5	0.4	0	0
	Subtotal	49	3.8	0	0
Other Vehicles	Fire Vehicle/Emergency	1	0.1	1	0.2
	Other	4	0.3	1	0.2
	Police Vehicle/Non-Emergency	2	0.2	0	0
	Subtotal	7	0.5	2	0.5
Unknown Body Type		5	0.4	0	0
Total		1,284	100	427	100

Table 62 - Persons Injured in Alcohol Crashes, by Person Type and Injury Severity

Person Type		Person Injured by Injury Severity			Total Injured
		Incapacitating	Nonincapacitating	Possible	
Vehicle Occupants	Driver	328	1,046	1,020	2,394
	Passenger	118	393	484	995
	Unknown Occupant	0.	1	2	3
	<i>Subtotal</i>	<i>446</i>	<i>1,440</i>	<i>1,506</i>	3,392
Motorcycle Rider		50	76	25	151
Nonmotorists	Pedestrian	152	382	262	796
	Pedalcyclist	23	103	62	188
	Other/Unknown	4	21	17	42
	<i>Subtotal</i>	<i>179</i>	<i>506</i>	<i>341</i>	1,026
Total		675	2,022	1,872	4,569

* Figures from MAARS (state crash reports)

Table 63 - Drivers and Motorcycle Operators Involved in Crashes, by Age, Alcohol Involvement, and Crash Severity

Age (Year)	Alcohol Involvement				Total	
	Yes		No			
	Number	Percent	Number	Percent	Number	Percent
Drivers in Fatal Crashes						
<16	0	0.0	1	100.0	1	100.0
16-20	21	22.8	71	77.2	92	100.0
21-24	19	28.8	47	71.2	66	100.0
25-34	55	32.9	112	67.1	167	100.0
35-44	24	18.9	103	81.1	127	100.0
45-54	30	18.5	132	81.5	162	100.0
55-64	10	11.5	77	88.5	87	100.0
65-74	4	6.6	57	93.4	61	100.0
75+	3	7.3	38	92.7	41	100.0
Unknown	0	0.0	40	100.0	40	100.0
Total	166	19.7	678	80.3	844	100.0
Drivers in Injury Crashes						
<16	2	1.9	105	98.1	107	100.0
16-20	260	3.9	6,413	96.1	6,673	100.0
21-24	411	6.4	5,978	93.6	6,389	100.0
25-34	655	5.3	11,738	94.7	12,393	100.0
35-44	452	4.3	10,106	95.7	10,558	100.0
45-54	410	4.2	9,364	95.8	9,774	100.0
55-64	151	2.5	5,800	97.5	5,951	100.0
65-74	42	1.5	2,741	98.5	2,783	100.0
75+	20	1.1	1,730	98.9	1,750	100.0
Unknown	49	1.4	3,556	98.6	3,605	100.0
Total	2,452	4.1	57,531	95.9	59,983	100.0

* Figures from MAARS (state crash reports)

Table 63 - Drivers and Motorcycle Operators Involved in Crashes, by Age, Alcohol Involvement, and Crash Severity (continued)

Age (Year)	Alcohol Involvement				Total	
	Yes		No			
	Number	Percent	Number	Percent	Number	Percent
Drivers in Property-Damage-Only Crashes						
<16	3	1.8	161	98.2	164	100.0
16-20	370	3.5	10,346	96.5	10,716	100.0
21-24	780	7.2	9,985	92.8	10,765	100.0
25-34	1,230	6.1	18,876	93.9	20,106	100.0
35-44	861	5.1	15,909	94.9	16,770	100.0
45-54	687	4.7	14,038	95.3	14,725	100.0
55-64	267	3.0	8,582	97.0	8,849	100.0
65-74	76	2.1	3,616	97.9	3,692	100.0
75+	30	1.3	2,242	98.7	2,272	100.0
Unknown	310	1.1	26,906	98.9	27,216	100.0
Total	4,614	4.0	110,661	96.0	115,275	100.0

Not all drivers in injury or PDO crashes are tested for alcohol
 Figures from MAARS (state crash reports)

Table 64 - Drivers and Motorcycle Operators Injured, by Time of Day, Day of Week, Age, Alcohol Involvement, and Crash Type

Time of Day and Day of Week		Under 21			21 and Older		
		Number Injured	With Alcohol Involvement		Number Injured	With Alcohol Involvement	
			No	%		No	%
Single-Vehicle Crashes							
Daytime	Weekday	498	13	2.6	1,913	81	4.2
	Weekend	221	15	6.8	870	61	7.0
Nighttime	Weekday	358	68	19.0	1,091	258	23.6
	Weekend	405	103	25.4	1,230	382	31.1
Total		1,482	199	13.4	5,104	782	15.3
Multiple-Vehicle Crashes							
Daytime	Weekday	1,688	10	0.6	12,466	151	1.2
	Weekend	450	7	1.6	3,124	52	1.7
Nighttime	Weekday	578	23	4.0	3,211	168	5.2
	Weekend	611	45	7.4	2,988	226	7.6
Total		3,327	85	2.6	21,789	597	2.7

Not all drivers in injury or PDO crashes are tested for alcohol
 Figures from MAARS (state crash reports)

Table 65 - Drivers and Motorcycle Operators Involved in Crashes, by Vehicle Type, Alcohol Involvement, and Crash Severity

Vehicle Type	Alcohol Involvement				Total	
	Yes		No			
	Number	Percent	Number	Percent	Number	Percent
Drivers in Fatal Crashes						
Passenger Car	82	20.4	319	79.6	401	100.0
Light Truck	50	18.5	221	81.5	271	100.0
Large Truck	4	5.5	69	94.5	73	100.0
Bus	0	0.0	8	100.0	8	100.0
Other/Unknown	1	8.3	11	91.7	12	100.0
Motorcycle	29	36.7	50	63.3	79	100.0
Total	166	19.7	678	80.3	844	100.0
Drivers in Injury Crashes						
Passenger Car	1,430	4.0	34,251	96.0	35,681	100.0
Light Truck	836	4.5	17,876	95.5	18,712	100.0
Large Truck	32	1.7	1,803	98.3	1,835	100.0
Bus	2	0.4	556	99.6	558	100.0
Other/Unknown	35	2.2	1,550	97.8	1,585	100.0
Motorcycle	117	7.3	1,495	92.7	1,612	100.0
Total	2,452	4.1	57,531	95.9	59,983	100.0

Not all drivers in injury or PDO crashes are tested for alcohol
Figures from MAARS (state crash reports)

**Table 65 - Drivers and Motorcycle Operators Involved in Crashes, by Vehicle Type, Alcohol Involvement, and Crash Severity
(continued)**

Vehicle Type	Alcohol Involvement				Total	
	Yes		No		Number	Percent
	Number	Percent	Number	Percent		
Drivers in Property-Damage-Only Crashes						
Passenger Car	2,812	4.3	62,253	95.7	65,065	100.0
Light Truck	1,585	4.8	31,134	95.2	32,719	100.0
Large Truck	74	1.6	4,575	98.4	4,649	100.0
Bus	19	0.8	2,439	99.2	2,458	100.0
Other/Unknown	103	1.1	9,678	98.9	9,781	100.0
Motorcycle	21	3.5	582	96.5	603	100.0
Total	4,614	4.0	110,661	96.0	115,275	100.0

Not all drivers in injury or PDO crashes are tested for alcohol
Figures from MAARS (state crash reports)

Table 66 - Drivers Involved in Crashes, by Vehicle Type, Restraint Use, and Crash Severity

Vehicle Type	Restraint Use						Total	
	Used		Not Used		Other/Unknown			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drivers in Fatal Crashes								
Passenger Car	285	71.1	79	19.7	37	9.2	401	100.0
Light Truck	199	73.4	49	18.1	23	8.5	271	100.0
Large Truck	54	74.0	8	11.0	11	15.1	73	100.0
Bus	8	100.0	0	0.0	0	0.0	8	100.0
Other/Unknown	3	25.0	3	25.0	6	50.0	12	100.0
Total	549	71.8	139	18.2	77	10.1	765	100.0
Drivers in Injury Crashes								
Passenger Car	30,693	86.0	964	2.7	4,024	11.3	35,681	100.0
Light Truck	16,043	85.7	543	2.9	2,126	11.4	18,712	100.0
Large Truck	1,583	86.3	44	2.4	208	11.3	1,835	100.0
Bus	511	91.6	10	1.8	37	6.6	558	100.0
Other/Unknown	813	51.3	143	9.0	629	39.7	1,585	100.0
Total	49,643	85.0	1,704	2.9	7,024	12.0	58,371	100.0
Drivers in Property-Damage-Only Crashes								
Passenger Car	46,308	71.2	1,248	1.9	17,509	26.9	65,065	100.0
Light Truck	23,755	72.6	583	1.8	8,381	25.6	32,719	100.0
Large Truck	3,424	73.7	99	2.1	1,126	24.2	4,649	100.0
Bus	2,140	87.1	57	2.3	261	10.6	2,458	100.0
Other/Unknown	3,274	33.5	203	2.1	6,304	64.5	9,781	100.0
Total	78,901	68.8	2,190	1.9	33,581	29.3	114,672	100.0

**Table 66 - Drivers Involved in Crashes, by Vehicle Type, Restraint Use, and Crash Severity
(continued)**

Vehicle Type	Restraint Use						Total	
	Used		Not Used		Other/Unknown		Number	Percent
	Number	Percent	Number	Percent	Number	Percent		
Drivers in All Crashes								
Passenger Car	77,286	76.4	2,291	2.3	21,570	21.3	101,147	100.0
Light Truck	39,997	77.4	1,175	2.3	10,530	20.4	51,702	100.0
Large Truck	5,061	77.2	151	2.3	1,345	20.5	6,557	100.0
Bus	2,659	87.9	67	2.2	298	9.9	3,024	100.0
Other/Unknown	4,090	35.9	349	3.1	6,939	61.0	11,378	100.0
Total	129,093	74.3	4,033	2.3	40,682	23.4	173,808	100.0

Table 67 - Passenger Car and Light Truck Occupants Killed or Injured by Age and Restraint Use

Age (Years)	Restraint Use						Total	
	Used		Not Used		Other/Unknown			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Occupants Killed								
5-9	2	100.0	0	0.0	0	0.0	2	100.0
10-15	2	40.0	3	60.0	0	0.0	5	100.0
16-20	24	50.0	20	41.7	4	8.3	48	100.0
21-24	18	47.4	15	39.5	5	13.2	38	100.0
25-34	21	36.8	32	56.1	4	7.0	57	100.0
35-44	19	57.6	10	30.3	4	12.1	33	100.0
45-54	37	64.9	15	26.3	5	8.8	57	100.0
55-64	15	46.9	15	46.9	2	6.3	32	100.0
65-74	17	54.8	12	38.7	2	6.5	31	100.0
75+	30	73.2	11	26.8	0	0.0	41	100.0
Unknown	0	0.0	1	100.0	0	0.0	1	100.0
Total	185	53.6	134	38.8	26	7.5	345	100.0
Occupants Injured								
<5	164	18.4	41	4.6	687	77.0	892	100.0
5-9	588	62.6	44	4.7	308	32.8	940	100.0
10-15	1,094	89.1	74	6.0	60	4.9	1,228	100.0
16-20	4,731	86.8	372	6.8	347	6.4	5,450	100.0
21-24	3,840	85.7	280	6.2	362	8.1	4,482	100.0
25-34	6,677	86.1	447	5.8	635	8.2	7,759	100.0
35-44	5,429	89.5	237	3.9	397	6.5	6,063	100.0
45-54	5,190	90.0	207	3.6	372	6.4	5,769	100.0
55-64	3,196	91.2	117	3.3	190	5.4	3,503	100.0
65-74	1,658	91.6	60	3.3	92	5.1	1,810	100.0
75+	1,184	92.6	38	3.0	57	4.5	1,279	100.0
Unknown	570	57.5	71	7.2	350	35.3	991	100.0
Total	34,321	85.4	1,988	4.9	3,857	9.6	40,166	100.0

Table 68 - Passenger Car and Light Truck Occupants Survivors of Fatal Crashes, by Age and Restraint Use

Age (Years)	Restraint Use						Total	
	Used		Not Used		Other/Unknown		Number	Percent
	Number	Percent	Number	Percent	Number	Percent		
<5	4	30.8	0	0.0	9	69.2	13	100.0
5-9	15	51.7	1	3.4	13	44.8	29	100.0
10-15	39	88.6	1	2.3	4	9.1	44	100.0
16-20	76	69.1	19	17.3	15	13.6	110	100.0
21-24	43	65.2	18	27.3	5	7.6	66	100.0
25-34	104	82.5	15	11.9	7	5.6	126	100.0
35-44	77	85.6	6	6.7	7	7.8	90	100.0
45-54	83	92.2	2	2.2	5	5.6	90	100.0
55-64	50	92.6	3	5.6	1	1.9	54	100.0
65-74	40	93.0	2	4.7	1	2.3	43	100.0
75+	15	100.0	0	0.0	0	0.0	15	100.0
Unknown	3	8.8	2	5.9	29	85.3	34	100.0
Total	549	76.9	69	9.7	96	13.4	714	100.0

Table 69 - Passenger Car Occupants Killed or Injured, by Seating Position and Restraint Use

Seating Position		Restraint Use						Total	
		Used		Not Used		Other/Unknown			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Passenger Car Occupants Killed									
Front Seat	Left	103	59.2	61	35.1	10	5.7	174	100.0
	Right	26	68.4	10	26.3	2	5.3	38	100.0
	<i>Subtotal</i>	<i>129</i>	<i>60.8</i>	<i>71</i>	<i>33.5</i>	<i>12</i>	<i>5.7</i>	212	100.0
Second Seat	Left	0	0.0	7	100.0	0	0.0	7	100.0
	Middle	0	0.0	2	100.0	0	0.0	2	100.0
	Right	2	33.3	4	66.7	0	0.0	6	100.0
	<i>Subtotal</i>	<i>2</i>	<i>13.3</i>	<i>13</i>	<i>86.7</i>	<i>0</i>	<i>0.0</i>	15	100.0
Other/Unknown		0	0.0	1	33.3	2	66.6	3	100.0
Total		131	57.0	85	37.0	14	6.1	230	100.0
Passenger Car Occupants Injured									
Front Seat	Left	17,821	89.3	701	3.5	1,432	7.2	19,954	100.0
	Middle	61	79.2	9	11.7	7	9.1	77	100.0
	Right	3,890	89.1	224	5.1	250	5.7	4,364	100.0
	<i>Subtotal</i>	<i>21,772</i>	<i>89.2</i>	<i>934</i>	<i>3.8</i>	<i>1,689</i>	<i>6.9</i>	24,395	100.0
Second Seat	Left	606	61.6	106	10.8	271	27.6	983	100.0
	Middle	162	46.4	35	10.0	152	43.6	349	100.0
	Right	864	61.6	161	11.5	378	26.9	1,403	100.0
	<i>Subtotal</i>	<i>1,632</i>	<i>59.7</i>	<i>302</i>	<i>11.0</i>	<i>801</i>	<i>29.3</i>	2,735	100.0
Other/Unknown		143	52.4	43	15.8	87	31.9	273	100.0
Total		23,547	85.9	1,279	4.7	2,577	9.4	27,403	100.0

Table 70 - Light Truck Occupants Killed or Injured, by Seating Position and Restraint Use

Seating Position		Restraint Use						Total	
		Used		Not Used		Other/Unknown			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Light Truck Occupants Killed									
Front Seat	Left	42	46.2	41	45.1	8	8.8	91	100.0
	Right	10	62.5	5	31.3	1	6.3	16	100.0
	<i>Subtotal</i>	52	48.6	46	43.0	9	8.4	107	100.0
Second Seat	Left	2	40.0	1	20.0	2	40.0	5	100.0
	Middle	0	0.0	1	100.0	0	0.0	1	100.0
	<i>Subtotal</i>	2	33.3	2	33.3	2	33.3	6	100.0
Other		0	0.0	1	100.0	0	0.0	1	100.0
Unknown		0	0.0	0	0.0	1	100.0	1	100.0
Total		54	47.0	49	42.6	12	10.4	115	100.0
Light Truck Occupants Injured									
Front Seat	Left	7,842	88.3	416	4.7	619	7.0	8,877	100.0
	Middle	48	75.0	9	14.1	7	10.9	64	100.0
	Right	1,845	89.3	102	4.9	118	5.7	2,065	100.0
	<i>Subtotal</i>	9,735	88.5	527	4.8	744	6.8	11,006	100.0
Second Seat	Left	344	61.5	44	7.9	171	30.6	559	100.0
	Middle	104	47.9	24	11.1	89	41.0	217	100.0
	Right	431	64.4	45	6.7	193	28.8	669	100.0
	<i>Subtotal</i>	879	60.8	113	7.8	453	31.3	1,445	100.0
Other		150	54.5	66	24.0	59	21.5	275	100.0
Unknown		10	27.0	3	8.1	24	64.9	37	100.0
Total		10,774	84.4	709	5.6	1,280	10.0	12,763	100.0

Table 71 - Passenger Car and Light Truck Occupants Killed or Injured, by Restraint Use and Type of Restraint

Restraint Use and Type of Restraint		Vehicle Type			
		Passenger Car		Light Truck	
		Number	Percent	Number	Percent
Occupants Killed					
Restraint Used	Lap/Shoulder Belt	51	22.2	25	21.7
	Lap Belt Only	0	0.0	1	0.9
	Shoulder Belt Only	1	0.4	0	0.0
	Restraint Used, Airbag Deployed	73	31.7	27	23.5
	Safety Belt Used Improperly	6	2.6	1	0.9
	<i>Subtotal</i>	<i>131</i>	<i>57.0</i>	<i>54</i>	<i>47.0</i>
No Restraint Used		53	23.0	34	29.6
No Restraint Used Airbag Deployed		32	13.9	15	13.0
Other/Unknown		14	6.1	12	10.4
Total		230	100.0	115	100.0
Occupants Injured					
Restraint Used	Lap/Shoulder Belt	17,314	63.2	8,074	63.3
	Lap Belt Only	259	0.9	95	0.7
	Shoulder Belt Only	369	1.3	160	1.3
	Child/Youth Restraint	638	2.3	428	3.4
	Type Unknown	4	0.0	4	0.0
	Restraint Used, Airbag Deployed	5,556	20.3	2,414	18.9
	Safety Belt Used Improperly	49	0.2	31	0.2
	Child Safety Seat Used Improperly	4	0.0	1	0.0
	<i>Subtotal</i>	<i>24,193</i>	<i>88.3</i>	<i>11,207</i>	<i>87.8</i>
No Restraint Used		1,062	3.9	604	4.7
No Restraint Used, Airbag Deployed		217	0.8	105	0.8
Other/Unknown		1,931	7.0	847	6.6
Total		27,403	100.0	12,763	100.0

Table 72 - Motorcycle Riders Killed or Injured, by Time of Day and Day of Week

Time of Day	Day of Week				Total	
	Weekday		Weekend			
	Number	Percent	Number	Percent	Number	Percent
Motorcycle Riders Killed						
Midnight to 3 am	3	11.1	6	14.0	9	12.9
3 am to 6 am	1	3.7	0	0.0	1	1.4
6 am to 9 am	0	0.0	1	2.3	1	1.4
9 am to Noon	1	3.7	4	9.3	5	7.1
Noon to 3 pm	2	7.4	6	14.0	8	11.4
3 pm to 6 pm	9	33.3	11	25.6	20	28.6
6 pm to 9 pm	8	29.6	9	20.9	17	24.3
9 pm to Midnight	3	11.1	6	14.0	9	12.9
Total	27	100.0	43	100.0	70	100.0
Motorcycle Riders Injured						
Midnight to 3 am	26	3.3	66	7.4	92	5.5
3 am to 6 am	7	0.9	16	1.8	23	1.4
6 am to 9 am	66	8.4	25	2.8	91	5.4
9 am to Noon	87	11.0	72	8.1	159	9.5
Noon to 3 pm	153	19.4	194	21.7	347	20.6
3 pm to 6 pm	238	30.2	193	21.6	431	25.6
6 pm to 9 pm	150	19.0	208	23.3	358	21.3
9 pm to Midnight	61	7.7	119	13.3	180	10.7
Total	788	100.0	893	100.0	1,681	100.0

Table 73 - Motorcycle Riders Killed, by Person Type and Helmet Use

Person Type	Helmet Used						Total	
	Used		Not Used		Other/Unknown			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Operators	58	82.9	12	17.1	0	0.0	70	100.0
Passengers	0	100.0	0	0.0	0	0.0	0	0.0
Total	58	82.9	12	17.1	0	0.0	70	100.0

Table 74 - Persons Killed or Injured in School Bus Related Crashes, by Person Type

Person Type	Killed		Injured	
	Number	Percent	Number	Percent
School Bus Driver	0	0.0	53	15.1
School Bus Passenger	0	0.0	167	47.6
Pedestrian	4	66.7	7	2.0
Pedalcyclist	0	0.0	2	0.6
Occupant of Other Vehicle	2	33.3	122	34.8
Other Nonoccupants	0	0.0	0	0.0
Total	6	100.0	351	100.0

Table 75 - Pedestrians Killed or Injured, by Age and Location

Age (Years)	Location				Total	
	Intersection		Nonintersection			
	Number	Percent	Number	Percent	Number	Percent
Pedestrians Killed						
<5	0	0.0	1	100.0	1	100.0
5-9	1	50.0	1	50.0	2	100.0
10-15	0	0.0	4	100.0	4	100.0
16-20	4	30.8	9	69.2	13	100.0
21-24	1	16.7	5	83.3	6	100.0
25-34	2	15.4	11	84.6	13	100.0
35-44	0	0.0	10	100.0	10	100.0
45-54	6	25.0	18	75.0	24	100.0
55-64	2	11.8	15	88.2	17	100.0
65-74	3	27.3	8	72.7	11	100.0
75+	1	12.5	7	87.5	8	100.0
Unknown	2	100.0	0	0.0	2	100.0
Total	22	19.8	89	80.2	111	100.0
Pedestrians Injured						
<5	3	6.0	47	94.0	50	100.0
5-9	16	13.0	107	87.0	123	100.0
10-15	55	23.8	176	76.2	231	100.0
16-20	66	24.1	208	75.9	274	100.0
21-24	46	23.4	151	76.6	197	100.0
25-34	79	24.2	248	75.8	327	100.0
35-44	58	19.7	237	80.3	295	100.0
45-54	98	27.7	256	72.3	354	100.0
55-64	65	29.1	158	70.9	223	100.0
65-74	19	19.8	77	80.2	96	100.0
75+	9	12.9	61	87.1	70	100.0
Unknown	17	17.0	83	83.0	100	100.0
Total	531	22.7	1,809	77.3	2,340	100.0

Table 76 - Pedestrians Killed or Injured and Fatality and Injury Rates per 100,000 Population, by Age and Sex

Age(Years)	Male			Female			Total		
	Killed	Population (Thousands)	Rate	Killed	Population (Thousands)	Rate	Killed	Population (Thousands)	Rate
<5	1	194,424	0.5	0	186,182	0.0	1	380,606	0.3
5-9	1	189,027	0.5	1	181,265	0.6	2	370,292	0.5
10-15	3	225,147	1.3	1	216,151	0.5	4	441,298	0.9
16-20	11	205,988	5.3	2	196,886	1.0	13	402,874	3.2
21-24	2	154,354	1.3	4	150,049	2.7	6	304,403	2.0
25-34	8	377,680	2.1	4	379,282	1.1	12	756,962	1.6
35-44	7	387,747	1.8	3	412,376	0.7	10	800,123	1.2
45-54	15	426,121	3.5	9	460,483	2.0	24	886,604	2.7
55-64	10	312,130	3.2	7	349,390	2.0	17	661,520	2.6
65-74	8	173,046	4.6	3	206,871	1.5	11	379,917	2.9
75+	5	118,142	4.2	3	196,737	1.5	8	314,879	2.5
Unknown	2	---	---	0	---	---	2	---	---
Total	73	2,763,806	2.6	37	2,935,672	1.3	110	5,699,478	1.9
Age(Years)	Male			Female			Total		
	Injured	Population (Thousands)	Rate	Injured	Population (Thousands)	Rate	Injured	Population (Thousands)	Rate
<5	32	194,424	16.5	18	186,182	9.7	50	380,606	13.1
5-9	80	189,027	42.3	43	181,265	23.7	123	370,292	33.2
10-15	146	225,147	64.8	85	216,151	39.3	231	441,298	52.3
16-20	141	205,988	68.5	132	196,886	67.0	273	402,874	67.8
21-24	110	154,354	71.3	87	150,049	58.0	197	304,403	64.7
25-34	181	377,680	47.9	146	379,282	38.5	327	756,962	43.2
35-44	174	387,747	44.9	121	412,376	29.3	295	800,123	36.9
45-54	192	426,121	45.1	162	460,483	35.2	354	886,604	39.9
55-64	125	312,130	40.0	98	349,390	28.0	223	661,520	33.7
65-74	40	173,046	23.1	56	206,871	27.1	96	379,917	25.3
75+	30	118,142	25.4	40	196,737	20.3	70	314,879	22.2
Unknown	58	---	---	42	---	---	100	---	---
Total	1,309	2,763,806	45.3	1,030	2,935,672	33.7	2,339	5,699,478	39.3

Table 77 - Pedestrians Killed or Injured by Time of Day and Day of Week

Time of Day	Day of Week				Total	
	Weekday		Weekend			
	Number	Percent	Number	Percent	Number	Percent
Pedestrians Killed						
Midnight to 3 am	8	13.1	9	18.0	17	15.3
3 am to 6 am	5	8.2	8	16.0	13	11.7
6 am to 9 am	3	4.9	0	0.0	3	2.7
9 am to Noon	4	6.6	3	6.0	7	6.3
Noon to 3 pm	8	13.1	2	4.0	10	9.0
3 pm to 6 pm	12	19.7	2	4.0	14	12.6
6 pm to 9 pm	12	19.7	12	24.0	24	21.6
9 pm to Midnight	9	14.8	14	28.0	23	20.7
Total	61	100.0	50	100.0	111	100.0
Pedestrians Injured						
Midnight to 3 am	43	2.7	88	11.9	131	5.6
3 am to 6 am	29	1.8	28	3.8	57	2.4
6 am to 9 am	238	14.9	16	2.2	254	10.9
9 am to Noon	191	11.9	50	6.8	241	10.3
Noon to 3 pm	257	16.1	92	12.4	349	14.9
3 pm to 6 pm	418	26.1	127	17.2	545	23.3
6 pm to 9 pm	301	18.8	201	27.2	502	21.5
9 pm to Midnight	123	7.7	137	18.5	260	11.1
Unknown	1	0.1	0	0.0	1	0.0
Total	1,601	100.0	739	100.0	2,340	100.0

Table 78 - Pedestrians Killed or Injured in Single-Vehicle Crashes, by Vehicle Type and Initial Point of Impact

Vehicle Type	Initial Point of Impact										Total	
	Front		Left		Right		Rear		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Pedestrians Killed												
Passenger Car	33	82.5	0	0.0	1	2.5	0	0.0	6	15.0	40	100.0
Light Truck	31	86.1	1	2.8	0	0.0	0	0.0	4	11.1	36	100.0
Large Truck	1	20.0	0	0.0	0	0.0	1	20.0	3	60.0	5	100.0
Bus	4	100.0	0	0.0	0	0.0	0	0.0	0	0.0	4	100.0
Other/Unknown	3	50.0	0	0.0	0	0.0	0	0.0	3	50.0	6	100.0
Motorcycle	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0
Total	73	79.3	1	1.1	1	1.1	1	1.1	16	17.4	92	100.0
Pedestrians Injured												
Passenger Car	707	53.7	92	7.0	134	10.2	81	6.2	302	22.9	1,316	100.0
Light Truck	378	56.1	54	8.0	85	12.6	53	7.9	104	15.4	674	100.0
Large Truck	12	31.6	2	5.3	9	23.7	8	21.1	7	18.4	38	100.0
Bus	20	54.1	0	0.0	12	32.4	0	0.0	5	13.5	37	100.0
Other/Unknown	36	29.8	6	5.0	4	3.3	2	1.7	73	60.3	121	100.0
Motorcycle	5	35.7	0	0.0	0	0.0	0	0.0	9	64.3	14	100.0
Total	1,158	52.6	154	7.0	244	11.1	144	6.5	500	22.7	2,200	100.0

Table 79 - Pedestrians Killed, by Related Factors

Factors	Number	Percent
Under influence of drugs	1	0.7
Under influence of alcohol	5	3.3
Under influence of medication	0	0.0
Under combined influence	0	0.0
Physical/mental difficulty	1	0.7
Fell asleep, fainted, etc	0	0.0
Failed to give full time and attention	2	1.3
Did not comply with license restrictions	0	0.0
Failed to yield right of way	16	10.7
Failed to obey stop sign	0	0.0
Failed to obey traffic signal	0	0.0
Failed to obey other traffic control	1	0.7
Illegally in roadway	56	37.3
Bicycle violation	0	0.0
Clothing not visible	18	12.0
Other factors	1	0.7
Not applicable	49	32.7
Unknown	0	0.0
Total Pedestrians	150	100.0

* The sum of the numbers is greater than total pedestrians killed as more than one factor may be present for the same pedestrian. *
Figures from MAARS (state crash reports)

Table 80 - Pedalcyclists Killed or Injured, by Age and Location

Age (Years)	Location				Total	
	Intersection		Nonintersection			
	Number	Percent	Number	Percent	Number	Percent
Pedalcyclists Killed						
<5	0	0.0	0	0.0	0	100.0
5-9	0	0.0	0	0.0	0	100.0
10-15	1	100.0	0	0.0	1	100.0
16-20	0	0.0	2	100.0	2	100.0
21-24	1	100.0	0	0.0	1	100.0
25-34	0	0.0	0	0.0	0	100.0
35-44	0	0.0	2	100.0	2	100.0
45-54	1	50.0	1	50.0	2	100.0
55-64	0	0.0	0	0.0	0	100.0
65-74	1	100.0	0	0.0	1	100.0
75+	0	0.0	0	0.0	0	100.0
Unknown	0	0.0	1	100.0	1	100.0
Total	4	40.0	6	60.0	10	100.0
Pedalcyclists Injured						
<5	0	0.0	1	100.0	1	100.0
5-9	22	36.7	38	63.3	60	100.0
10-15	39	39.8	59	60.2	98	100.0
16-20	33	41.8	46	58.2	79	100.0
21-24	20	40.8	29	59.2	49	100.0
25-34	44	47.3	49	52.7	93	100.0
35-44	28	37.8	46	62.2	74	100.0
45-54	24	43.6	31	56.4	55	100.0
55-64	16	50.0	16	50.0	32	100.0
65-74	7	70.0	3	30.0	10	100.0
75+	0	0.0	0	0.0	0	100.0
Unknown	5	45.5	6	54.5	11	100.0
Total	238	42.3	324	57.7	562	100.0

Table 81 - Pedalcyclists Killed or Injured and Fatality and Injury Rates per 100,000 Population, by Age and Sex

Age(Years)	Male			Female			Total		
	Killed	Population	Rate	Killed	Population	Rate	Killed	Population	Rate
<5	0	194,424	0.0	0	186,182	0.0	0	380,606	0.0
5-9	0	189,027	0.0	0	181,265	0.0	0	370,292	0.0
10-15	1	225,147	0.4	0	216,151	0.0	1	441,298	0.2
16-20	1	205,988	0.5	1	196,886	0.5	2	402,874	0.5
21-24	0	154,354	0.0	1	150,049	0.7	1	304,403	0.3
25-34	0	377,680	0.0	0	379,282	0.0	0	756,962	0.0
35-44	2	387,747	0.5	0	412,376	0.0	2	800,123	0.2
45-54	2	426,121	0.5	0	460,483	0.0	2	886,604	0.2
55-64	0	312,130	0.0	0	349,390	0.0	0	661,520	0.0
65-74	1	173,046	0.6	0	206,871	0.0	1	379,917	0.3
75+	0	118,142	0.0	0	196,737	0.0	0	314,879	0.0
Unknown	1	---	---	0	---	---	1	---	---
Total	8	2,763,806	0.3	2	2,935,672	0.1	10	5,699,478	0.2
Age(Years)	Male			Female			Total		
	Injured	Population	Rate	Injured	Population	Rate	Injured	Population	Rate
<5	1	194,424	0.5	0	186,182	0.0	1	380,606	0.3
5-9	46	189,027	24.3	14	181,265	7.7	60	370,292	16.2
10-15	82	225,147	36.4	16	216,151	7.4	98	441,298	22.2
16-20	64	205,988	31.1	15	196,886	7.6	79	402,874	19.6
21-24	37	154,354	24.0	12	150,049	8.0	49	304,403	16.1
25-34	77	377,680	20.4	16	379,282	4.2	93	756,962	12.3
35-44	60	387,747	15.5	14	412,376	3.4	74	800,123	9.2
45-54	51	426,121	12.0	4	460,483	0.9	55	886,604	6.2
55-64	27	312,130	8.7	5	349,390	1.4	32	661,520	4.8
65-74	10	173,046	5.8	0	206,871	0.0	10	379,917	2.6
75+	0	118,142	0.0	0	196,737	0.0	0	314,879	0.0
Unknown	10	---	---	1	---	---	11	---	---
Total	465	2,763,806	16.5	97	2,935,672	3.3	562	5,699,478	9.7

Table 82 - Pedalcyclists Killed or Injured by Time of Day and Day of Week

Time of Day	Day of Week				Total	
	Weekday		Weekend			
	Number	Percent	Number	Percent	Number	Percent
Pedalcyclists Killed						
Midnight to 3 am	2	25.0	1	50.0	3	30.0
3 am to 6 am	0	0.0	0	0.0	0	0.0
6 am to 9 am	1	12.5	0	0.0	1	10.0
9 am to Noon	2	25.0	0	0.0	2	20.0
Noon to 3 pm	2	25.0	1	50.0	3	30.0
3 pm to 6 pm	1	12.5	0	0.0	1	10.0
6 pm to 9 pm	0	0.0	0	0.0	0	0.0
9 pm to Midnight	0	0.0	0	0.0	0	0.0
Total	8	100.0	2	100.0	10	100.0
Pedalcyclists Injured						
Midnight to 3 am	9	2.3	5	2.8	14	2.5
3 am to 6 am	5	1.3	0	0.0	5	0.9
6 am to 9 am	38	9.8	5	2.8	43	7.7
9 am to Noon	36	9.3	28	15.9	64	11.4
Noon to 3 pm	70	18.1	37	21.0	107	19.0
3 pm to 6 pm	122	31.6	37	21.0	159	28.3
6 pm to 9 pm	77	19.9	44	25.0	121	21.5
9 pm to Midnight	29	7.5	20	11.4	49	8.7
Total	386	100.0	176	100.0	562	100.0

Table 83 - Pedalcyclists Killed or Injured in Single-Vehicle Crashes, by Vehicle Type and Initial Point of Impact

Vehicle Type	Initial Point of Impact										Total	
	Front		Left		Right		Rear		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Pedalcyclists Killed												
Passenger Car	6	100.0	0	0.0	0	0.0	0	0.0	0	0.0	6	100.0
Light Truck	2	100.0	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0
Large Truck	0	0.0	1	50.0	0	0.0	0	0.0	1	50.0	2	100.0
Total	8	80.0	1	10.0	0	0.0	0	0.0	1	10.0	10	100.0
Pedalcyclists Injured												
Passenger Car	183	52.7	40	11.5	58	16.7	13	3.7	53	15.3	347	100.0
Light Truck	91	56.2	17	10.5	23	14.2	9	5.6	22	13.6	162	100.0
Large Truck	3	27.3	1	9.1	3	27.3	0	0.0	4	36.4	11	100.0
Bus	0	0.0	0	0.0	7	87.5	1	12.5	0	0.0	8	100.0
Other/Unknown	6	23.1	1	3.8	0	0.0	0	0.0	19	73.1	26	100.0
Motorcycle	0	0.0	1	100	0	0.0	0	0.0	0	0.0	1	100.0
Total	283	51.0	60	10.8	91	16.4	23	4.1	98	17.7	555	100.0

Table 84 - Pedalcyclists Killed, by Related Factors

Factors	Number	Percent
Under influence of drugs	0	0.0
Under influence of alcohol	1	4.5
Under influence of medication	0	0.0
Under combined influence	0	0.0
Physical/mental difficulty	0	0.0
Fell asleep, fainted, etc	0	0.0
Failed to give full time and attention	0	0.0
Did not comply with license restrictions	8	36.4
Failed to yield right of way	2	9.1
Failed to obey stop sign	0	0.0
Failed to obey traffic signal	1	4.5
Failed to obey other traffic control	0	0.0
Illegally in roadway	3	13.6
Bicycle violation	3	13.6
Clothing not visible	0	0.0
Other factors	0	0.0
Not applicable	4	18.2
Unknown	0	0.0
Total Pedalcyclists	22	100.0

*** Since there are only 22 pedalcyclists killed, all four contributing circumstances are included. The sum of the numbers is greater than total pedestrians killed as more than one factor may be present for the same pedestrian.*

** Figures from MAARS (state crash reports)*

Chapter 5: 2009 Counties

Table 85 - Fatality and Total Crash Rates per VMT, Population, Licensed Driver, and Registered Vehicle by County, 2009

County	Fatalities	Total Crashes	VMT (mill.)	Pop.*	Licen. Dr. †	Regist. Veh †	Fatality Rates per**				Total Crash Rates per**			
							VMT	Pop.	Lic. Dr.	Reg. Veh.	VMT	Pop.	Lic. Dr.	Reg. Veh.
Allegany	12	738	838	72,532	49,932	62,917	1.43	1.65	2.40	1.91	88.1	101.7	147.8	117.3
Anne Arundel	49	8,995	5,628	521,209	392,252	522,351	0.87	0.94	1.25	0.94	159.8	172.6	229.3	172.2
Baltimore	85	13,254	8,154	789,814	585,410	664,556	1.04	1.08	1.45	1.28	162.5	167.8	226.4	199.4
Calvert	9	1,247	776	89,212	66,457	91,271	1.16	1.01	1.35	0.99	160.7	139.8	187.6	136.6
Caroline	4	411	372	33,367	25,012	36,570	1.08	1.20	1.60	1.09	110.5	123.2	164.3	112.4
Carroll	15	1,997	1,289	170,089	130,110	176,566	1.16	0.88	1.15	0.85	154.9	117.4	153.5	113.1
Cecil	13	1,691	1,359	100,796	73,227	93,602	0.96	1.29	1.78	1.39	124.4	167.8	230.9	180.7
Charles	15	2,601	1,245	142,226	104,172	137,412	1.20	1.05	1.44	1.09	208.9	182.9	249.7	189.3
Dorchester	10	437	399	32,043	23,326	31,891	2.51	3.12	4.29	3.14	109.5	136.4	187.3	137.0
Frederick	23	2,888	2,926	227,980	175,928	225,606	0.79	1.01	1.31	1.02	98.7	126.7	164.2	128.0
Garrett	8	593	547	29,555	22,390	33,461	1.46	2.71	3.57	2.39	108.4	200.6	264.9	177.2
Harford	26	3,129	2,357	242,514	185,818	231,404	1.10	1.07	1.40	1.12	132.8	129.0	168.4	135.2
Howard	24	3,442	3,789	281,884	218,975	249,236	0.63	0.85	1.10	0.96	90.8	122.1	157.2	138.1
Kent	2	244	213	20,247	15,450	21,584	0.94	0.99	1.29	0.93	114.6	120.5	157.9	113.0
Montgomery	40	12,311	7,368	971,600	736,806	737,503	0.54	0.41	0.54	0.54	167.1	126.7	167.1	166.9
Prince George's	98	13,769	8,581	834,560	569,628	628,436	1.14	1.17	1.72	1.56	160.5	165.0	241.7	219.1
Queen Anne's	8	754	931	47,958	35,553	53,810	0.86	1.67	2.25	1.49	81.0	157.2	212.1	140.1
St. Mary's	16	1,451	811	102,999	72,879	102,743	1.97	1.55	2.20	1.56	178.9	140.9	199.1	141.2
Somerset	6	315	290	25,959	14,316	20,711	2.07	2.31	4.19	2.90	108.6	121.3	220.0	152.1
Talbot	7	815	615	36,262	29,726	41,911	1.14	1.93	2.35	1.67	132.5	224.8	274.2	194.5
Washington	15	2,322	1,944	145,910	105,426	136,929	0.77	1.03	1.42	1.10	119.4	159.1	220.2	169.6
Wicomico	13	1,999	983	94,222	69,368	88,160	1.32	1.38	1.87	1.47	203.4	212.2	288.2	226.7
Worcester	12	1,193	653	49,122	42,333	59,324	1.84	2.44	2.83	2.02	182.7	242.9	281.8	201.1
Baltimore City	40	19,796	3,563	637,418	318,363	279,320	1.12	0.63	1.26	1.43	555.6	310.6	621.8	708.7
Total	550	96,392	55,631	5,699,478	4,062,857	4,727,274	0.99	0.97	1.35	1.16	173.3	169.1	237.3	203.9

1. Source: *Maryland Department of Planning † Maryland Motor Vehicle Administration
2. ** Fatality and Total Crash rates per VMT are calculated per 100 Million Vehicle Miles of Travel
 Fatality and Total Crash rates per Population/Licensed Drivers/Registered Vehicles are calculated per 10,000

Table 86 - 2009 Traffic Fatalities by County and Percent Change from 2008

County	Fatalities		Percent Change
	2008	2009	
Allegany	8	12	33.33
Anne Arundel	48	49	2.04
Baltimore	70	85	17.65
Calvert	9	9	0.00
Caroline	11	4	-175.00
Carroll	21	15	-40.00
Cecil	17	13	-30.77
Charles	14	15	6.67
Dorchester	6	10	40.00
Frederick	21	23	8.70
Garrett	5	8	37.50
Harford	21	26	19.23
Howard	22	24	8.33
Kent	6	2	-200.00
Montgomery	52	40	-30.00
Prince Georges	129	98	-31.63
Queen Anne's	11	8	-37.50
St. Mary's	16	16	0.00
Somerset	1	6	83.33
Talbot	7	7	0.00
Washington	16	15	-6.67
Wicomico	14	13	-7.69
Worcester	18	12	-50.00
Baltimore City	49	40	-22.50
Maryland	592	550	-7.09

Table 87 - Fatal Crashes, by County and First Harmful Event

County	First Harmful Event										Total Fatal Crashes	
	Collision With						Noncollision					
	Motor Vehicle in Transport		Fixed Object		Object Not Fixed		Noncollision		Other/Unknown		Number	%
	Number	%	Number	%	Number	%	Number	%	Number	%		
Allegany	1	11.1	5	55.6	0	0.0	2	22.2	1	11.1	9	100.0
Anne Arundel	15	31.3	15	31.3	14	29.2	3	6.3	1	2.1	48	100.0
Baltimore	20	25.3	32	40.5	20	25.3	7	8.9	0	0.0	79	100.0
Calvert	8	88.9	1	11.1	0	0.0	0	0.0	0	0.0	9	100.0
Caroline	1	25.0	2	50.0	1	25.0	0	0.0	0	0.0	4	100.0
Carroll	10	66.7	4	26.7	1	6.7	0	0.0	0	0.0	15	100.0
Cecil	6	46.2	4	30.8	2	15.4	1	7.7	0	0.0	13	100.0
Charles	5	33.3	6	40.0	3	20.0	1	6.7	0	0.0	15	100.0
Dorchester	4	40.0	2	20.0	0	0.0	4	40.0	0	0.0	10	100.0
Frederick	10	45.5	3	13.6	2	9.1	7	31.8	0	0.0	22	100.0
Garrett	4	57.1	2	28.6	0	0.0	1	14.3	0	0.0	7	100.0
Harford	9	40.9	5	22.7	5	22.7	3	13.6	0	0.0	22	100.0
Howard	11	52.4	7	33.3	3	14.3	0	0.0	0	0.0	21	100.0
Kent	0	0.0	1	50.0	0	0.0	1	50.0	0	0.0	2	100.0
Montgomery	9	25.0	13	36.1	13	36.1	1	2.8	0	0.0	36	100.0
Prince Georges	29	32.2	30	33.3	25	27.8	5	5.6	1	1.1	90	100.0
Queen Anne's	3	37.5	3	37.5	1	12.5	1	12.5	0	0.0	8	100.0
Somerset	1	16.7	1	16.7	1	16.7	3	50.0	0	0.0	6	100.0
St. Mary's	8	50.0	4	25.0	3	18.8	1	6.3	0	0.0	16	100.0
Talbot	1	14.3	2	28.6	2	28.6	2	28.6	0	0.0	7	100.0
Washington	3	23.1	8	61.5	0	0.0	2	15.4	0	0.0	13	100.0
Wicomico	4	30.8	2	15.4	6	46.2	1	7.7	0	0.0	13	100.0
Worcester	4	33.3	4	33.3	4	33.3	0	0.0	0	0.0	12	100.0
Baltimore City	15	38.5	6	15.4	18	46.2	0	0.0	0	0.0	39	100.0
Maryland	181	35.1	162	31.4	124	24.0	46	8.9	3	0.6	516	100.0

Table 88 - Fatal Crashes, by County and Roadway Class-2009

County	Roadway Class								Total Fatal Crashes
	Interstate		US	Maryland	County	City	Municipal	Other/ Unknown	
	Rural	Urban							
Allegany	1	0	4	1	1	0	2	0	9
Anne Arundel	0	6	0	32	7	0	0	3	48
Baltimore	3	10	7	35	24	0	0	0	79
Calvert	0	0	0	8	1	0	0	0	9
Caroline	0	0	0	3	1	0	0	0	4
Carroll	0	0	0	10	4	0	1	0	15
Cecil	0	0	4	4	4	0	1	0	13
Charles	0	0	0	8	7	0	0	0	15
Dorchester	0	0	2	4	4	0	0	0	10
Frederick	1	0	1	13	7	0	0	0	22
Garrett	0	0	3	1	3	0	0	0	7
Harford	2	1	4	15	0	0	0	0	22
Howard	1	0	1	14	4	0	0	1	21
Kent	0	0	0	2	0	0	0	0	2
Montgomery	0	3	2	20	9	0	0	2	36
Prince Georges	0	17	10	36	23	0	1	3	90
Queen Anne's	0	0	2	3	3	0	0	0	8
Somerset	0	0	3	2	1	0	0	0	6
St. Mary's	0	0	0	12	4	0	0	0	16
Talbot	0	0	2	4	1	0	0	0	7
Washington	3	2	1	5	1	0	1	0	13
Wicomico	0	0	7	2	3	0	1	0	13
Worcester	0	0	7	3	2	0	0	0	12
Baltimore City	0	3	0	0	0	35	1	0	39
Maryland	11	42	60	237	114	35	8	9	516

Table 89 - Fatalities, by County and Roadway Class-2009

County	Roadway Class								Total Fatalities
	Interstate		US	Maryland	County	City	Municipal	Unknown	
	Rural	Urban							
Allegany	1	0	7	1	1	0	2	0	12
Anne Arundel	0	6	0	33	7	0	0	3	49
Baltimore	3	12	7	38	25	0	0	0	85
Calvert	0	0	0	8	1	0	0	0	9
Caroline	0	0	0	3	1	0	0	0	4
Carroll	0	0	0	10	4	0	1	0	15
Cecil	0	0	4	4	4	0	1	0	13
Charles	0	0	0	8	7	0	0	0	15
Dorchester	0	0	2	4	4	0	0	0	10
Frederick	1	0	1	14	7	0	0	0	23
Garrett	0	0	3	1	4	0	0	0	8
Harford	2	1	4	19	0	0	0	0	26
Howard	2	0	1	16	4	0	0	1	24
Kent	0	0	0	2	0	0	0	0	2
Montgomery	0	4	2	23	9	0	0	2	40
Prince Georges	0	17	13	38	26	0	1	3	98
Queen Anne's	0	0	2	3	3	0	0	0	8
Somerset	0	0	3	2	1	0	0	0	6
St. Mary's	0	0	0	12	4	0	0	0	16
Talbot	0	0	2	4	1	0	0	0	7
Washington	4	2	2	5	1	0	1	0	15
Wicomico	0	0	7	2	3	0	1	0	13
Worcester	0	0	7	3	2	0	0	0	12
Baltimore City	0	4	0	0	0	35	1	0	40
Maryland	13	46	67	253	119	35	8	9	550

Table 90 – Persons Killed, Licensed Drivers, Registered Vehicles, Population, and Fatality Rates by County

County	Licensed Drivers	Fatalities per 100,000 Licensed Drivers	Registered Vehicles	Fatalities per 100,000 Registered Vehicles	Population	Fatalities per 100,000 Population	Total Killed
Allegany	49,932	24.0	62,917	19.07	72,532	16.5	12
Anne Arundel	392,252	12.5	522,351	9.38	521,209	9.4	49
Baltimore	585,410	14.5	664,556	12.79	789,814	10.8	85
Calvert	66,457	13.5	91,271	9.86	89,212	10.1	9
Caroline	25,012	16.0	36,570	10.94	33,367	12.0	4
Carroll	130,110	11.5	176,566	8.50	170,089	8.8	15
Cecil	73,227	17.8	93,602	13.89	100,796	12.9	13
Charles	104,172	14.4	137,412	10.92	142,226	10.5	15
Dorchester	23,326	42.9	31,891	31.36	32,043	31.2	10
Frederick	175,928	13.1	225,606	10.19	227,980	10.1	23
Garrett	22,390	35.7	33,461	23.91	29,555	27.1	8
Harford	185,818	14.0	231,404	11.24	242,514	10.7	26
Howard	218,975	11.0	249,236	9.63	281,884	8.5	24
Kent	15,450	12.9	21,584	9.27	20,247	9.9	2
Montgomery	736,806	5.4	737,503	5.42	971,600	4.1	40
Prince Georges	569,628	17.2	628,436	15.59	834,560	11.7	98
Queen Annes	35,553	22.5	53,810	14.87	47,958	16.7	8
St. Marys	72,879	22.0	102,743	15.57	102,999	15.5	16
Somerset	14,316	41.9	20,711	28.97	25,959	23.1	6
Talbot	29,726	23.5	41,911	16.70	36,262	19.3	7
Washington	105,426	14.2	136,929	10.95	145,910	10.3	15
Wicomico	69,368	18.7	88,160	14.75	94,222	13.8	13
Worcester	42,333	28.3	59,324	20.23	49,122	24.4	12
Baltimore City	318,363	12.6	279,320	14.32	637,418	6.3	40
Maryland	4,062,857	13.5	4,727,274	11.63	5,699,478	9.7	550

Table 91 - Persons Killed, by County and Person Type

County	Person Type												Total Killed	
	Driver		Passenger		Motorcycle Riders		Pedestrian		Pedalcyclist		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Allegany	6	50.0	3	25.0	2	16.7	1	8.3	0	0.0	0	0.0	12	100
Anne Arundel	22	44.9	3	6.1	9	18.4	13	26.5	1	2.0	1	2.0	49	100
Baltimore	42	49.4	10	11.8	13	15.3	20	23.5	0	0.0	0	0.0	85	100
Calvert	7	77.8	1	11.1	1	11.1	0	0.0	0	0.0	0	0.0	9	100
Caroline	2	50.0	1	25.0	0	0.0	1	25.0	0	0.0	0	0.0	4	100
Carroll	9	60.0	2	13.3	2	13.3	2	13.3	0	0.0	0	0.0	15	100
Cecil	6	46.2	1	7.7	3	23.1	3	23.1	0	0.0	0	0.0	13	100
Charles	8	53.3	0	0.0	4	26.7	3	20.0	0	0.0	0	0.0	15	100
Dorchester	4	40.0	4	40.0	1	10.0	1	10.0	0	0.0	0	0.0	10	100
Frederick	13	56.5	3	13.0	5	21.7	1	4.3	0	0.0	1	4.3	23	100
Garrett	6	75.0	2	25.0	0	0.0	0	0.0	0	0.0	0	0.0	8	100
Harford	15	57.7	7	26.9	0	0.0	4	15.4	0	0.0	0	0.0	26	100
Howard	13	54.2	5	20.8	2	8.3	3	12.5	1	4.2	0	0.0	24	100
Kent	2	100	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	100
Montgomery	18	45.0	9	22.5	1	2.5	11	27.5	1	2.5	0	0.0	40	100
Prince Georges	42	42.9	21	21.4	12	12.2	22	22.4	1	1.0	0	0.0	98	100
Queen Anne's	6	75.0	1	12.5	0	0.0	1	12.5	0	0.0	0	0.0	8	100
St. Mary's	4	66.7	1	16.7	0	0.0	1	16.7	0	0.0	0	0.0	6	100
Somerset	11	68.8	0	0.0	2	12.5	1	6.3	2	12.5	0	0.0	16	100
Talbot	6	85.7	0	0.0	1	14.3	0	0.0	0	0.0	0	0.0	7	100
Washington	10	66.7	2	13.3	3	20.0	0	0.0	0	0.0	0	0.0	15	100
Wicomico	6	46.2	1	7.7	1	7.7	5	38.5	0	0.0	0	0.0	13	100
Worcester	4	33.3	0	0.0	4	33.3	2	16.7	2	16.7	0	0.0	12	100
Baltimore City	12	30.0	6	15.0	4	10.0	16	40.0	2	5.0	0	0.0	40	100
Maryland	274	49.8	83	15.1	70	12.7	111	20.2	10	1.8	2	0.4	550	100

Table 92 - Persons Killed, by County and Age Group

County	Age Group (Years)												Total Killed
	<5	5-9	10-15	16-20	21-24	25-34	35-44	45-54	55-64	65-74	75+	Unknown	
Allegany	0	0	1	1	0	3	0	1	1	3	2	0	12
Anne Arundel	0	0	1	7	0	9	6	12	5	4	5	0	49
Baltimore	0	0	1	11	6	13	8	17	13	7	7	2	85
Calvert	0	0	0	1	0	1	0	4	1	0	2	0	9
Caroline	0	0	1	0	1	0	0	1	0	0	1	0	4
Carroll	0	1	1	3	2	3	0	2	2	0	1	0	15
Cecil	1	0	0	0	1	1	2	3	3	0	2	0	13
Charles	0	0	0	1	2	3	3	3	0	1	2	0	15
Dorchester	0	0	0	2	2	1	0	1	1	1	2	0	10
Frederick	0	0	0	2	2	5	3	2	5	1	3	0	23
Garrett	0	0	0	0	2	1	0	1	3	0	1	0	8
Harford	0	0	0	2	1	5	6	5	1	3	3	0	26
Howard	0	1	2	5	2	3	2	6	2	0	1	0	24
Kent	0	0	0	0	0	1	0	1	0	0	0	0	2
Montgomery	0	1	0	5	3	6	6	3	5	3	7	1	40
Prince Georges	0	1	3	11	15	18	15	14	7	7	4	3	98
Queen Anne's	0	0	0	0	0	1	1	1	1	4	0	0	8
St. Mary's	0	0	0	0	3	0	0	1	2	0	0	0	6
Somerset	0	0	0	2	2	1	3	3	3	1	1	0	16
Talbot	0	0	0	1	0	1	0	0	2	2	1	0	7
Washington	0	0	0	3	2	2	1	6	0	0	1	0	15
Wicomico	0	0	0	4	1	2	2	2	0	1	1	0	13
Worcester	0	0	0	1	1	1	2	4	0	2	1	0	12
Baltimore City	0	1	1	4	3	6	2	14	2	5	2	0	40
Maryland	1	5	11	66	51	87	62	107	59	45	50	6	550

Table 93 - Occupants Killed, by County and Vehicle Type

County	Vehicle Type										Total Occupants Killed	
	Passenger Car		Light Truck		Large Truck		Other /Unknown		Motorcycle			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Allegany	6	54.5	3	27.3	0	0.0	0	0.0	2	18.2	11	100.0
Anne Arundel	16	47.1	9	26.5	0	0.0	0	0.0	9	26.5	34	100.0
Baltimore	29	44.6	20	30.8	3	4.6	0	0.0	13	20.0	65	100.0
Calvert	7	77.8	1	11.1	0	0.0	0	0.0	1	11.1	9	100.0
Caroline	2	66.7	1	33.3	0	0.0	0	0.0	0	0.0	3	100.0
Carroll	8	61.5	3	23.1	0	0.0	0	0.0	2	15.4	13	100.0
Cecil	4	40.0	3	30.0	0	0.0	0	0.0	3	30.0	10	100.0
Charles	7	58.3	1	8.3	0	0.0	0	0.0	4	33.3	12	100.0
Dorchester	5	55.6	3	33.3	0	0.0	0	0.0	1	11.1	9	100.0
Frederick	11	52.4	3	14.3	1	4.8	1	4.8	5	23.8	21	100.0
Garrett	3	37.5	5	62.5	0	0.0	0	0.0	0	0.0	8	100.0
Harford	13	59.1	9	40.9	0	0.0	0	0.0	0	0.0	22	100.0
Howard	13	65.0	3	15.0	2	10.0	0	0.0	2	10.0	20	100.0
Kent	1	50.0	1	50.0	0	0.0	0	0.0	0	0.0	2	100.0
Montgomery	18	64.3	9	32.1	0	0.0	0	0.0	1	3.6	28	100.0
Prince Georges	41	54.7	22	29.3	0	0.0	0	0.0	12	16.0	75	100.0
Queen Anne's	3	42.9	3	42.9	0	0.0	1	14.3	0	0.0	7	100.0
St. Mary's	1	20.0	3	60.0	1	20.0	0	0.0	0	0.0	5	100.0
Somerset	7	53.8	4	30.8	0	0.0	0	0.0	2	15.4	13	100.0
Talbot	5	71.4	1	14.3	0	0.0	0	0.0	1	14.3	7	100.0
Washington	8	53.3	3	20.0	1	6.7	0	0.0	3	20.0	15	100.0
Wicomico	5	62.5	1	12.5	1	12.5	0	0.0	1	12.5	8	100.0
Worcester	3	37.5	1	12.5	0	0.0	0	0.0	4	50.0	8	100.0
Baltimore City	14	63.6	3	13.6	1	4.5	0	0.0	4	18.2	22	100.0
Maryland	230	53.9	115	26.9	10	2.3	2	0.5	70	16.4	427	100.0

Table 94 - Passenger Car and Light Truck Occupants Killed, by County and Restraint Use

County	Restraint Use						Total Occupants Killed	
	Used		Not Used		Other/Unknown		Number	Percent
	Number	Percent	Number	Percent	Number	Percent		
Allegany	4	44.4	3	33.3	2	22.2	9	100.0
Anne Arundel	17	68.0	7	28.0	1	4.0	25	100.0
Baltimore	20	40.8	23	46.9	6	12.2	49	100.0
Calvert	4	50.0	2	25.0	2	25.0	8	100.0
Caroline	1	33.3	2	66.7	0	0.0	3	100.0
Carroll	8	72.7	3	27.3	0	0.0	11	100.0
Cecil	4	57.1	2	28.6	1	14.3	7	100.0
Charles	6	75.0	2	25.0	0	0.0	8	100.0
Dorchester	4	50.0	4	50.0	0	0.0	8	100.0
Frederick	8	57.1	6	42.9	0	0.0	14	100.0
Garrett	3	37.5	5	62.5	0	0.0	8	100.0
Harford	15	68.2	6	27.3	1	4.5	22	100.0
Howard	8	50.0	7	43.8	1	6.3	16	100.0
Kent	0	0.0	1	50.0	1	50.0	2	100.0
Montgomery	15	55.6	10	37.0	2	7.4	27	100.0
Prince Georges	29	46.0	29	46.0	5	7.9	63	100.0
Queen Anne's	3	50.0	3	50.0	0	0.0	6	100.0
St. Mary's	1	25.0	2	50.0	1	25.0	4	100.0
Somerset	8	72.7	3	27.3	0	0.0	11	100.0
Talbot	2	33.3	3	50.0	1	16.7	6	100.0
Washington	9	81.8	2	18.2	0	0.0	11	100.0
Wicomico	5	83.3	1	16.7	0	0.0	6	100.0
Worcester	2	50.0	2	50.0	0	0.0	4	100.0
Baltimore City	9	52.9	6	35.3	2	11.8	17	100.0
Maryland	185	53.6	134	38.8	26	7.5	345	100.0

Table 95 - 2009 Ranking of County Pedestrian Fatality Rates

Rank	County	Pedestrians Killed	Population	Pedestrian Fatality Rate per 100,000 Population
1	Wicomico	5	94,222	5.31
2	Worcester	2	49,122	4.07
3	St. Marys	1	25,959	3.85
4	Dorchester	1	32,043	3.12
5	Caroline	1	33,367	3.00
6	Cecil	3	100,796	2.98
7	Prince Georges	22	834,560	2.64
8	Baltimore	20	789,814	2.53
9	Baltimore City	16	637,418	2.51
10	Anne Arundel	13	521,209	2.49
11	Charles	3	142,226	2.11
12	Queen Annes	1	47,958	2.09
13	Harford	4	242,514	1.65
14	Allegany	1	72,532	1.38
15	Carroll	2	170,089	1.18
16	Montgomery	11	971,600	1.13
17	Howard	3	281,884	1.06
18	Somerset	1	102,999	0.97
19	Frederick	1	227,980	0.44
20	Calvert	0	89,212	0.00
21	Garrett	0	29,555	0.00
22	Kent	0	20,247	0.00
23	Talbot	0	36,262	0.00
24	Washington	0	145,910	0.00
	Maryland	111	5,699,478	1.95

Table 96 – Persons Killed, by County and Highest Driver Blood Alcohol Concentration (BAC) in the Crash - 2009

County	Highest Blood Alcohol Concentration in Crash						Total Killed in Alcohol--Related Crashes		Total Killed	
	BAC=0.00		BAC=0.01--0.07		BAC=0.08+		Number	Percent	Number	Percent
	Number	Percent	Number	Percent	Number	Percent				
Allegany	12	88	0	1	1	11	2	12	13	100
Anne Arundel	33	66	0	1	17	34	17	34	50	100
Baltimore	52	62	2	3	29	35	32	38	84	100
Calvert	8	86	1	12	0	2	1	14	9	100
Caroline	3	73	0	0	1	28	1	28	4	100
Carroll	11	75	0	2	4	23	4	25	15	100
Cecil	6	49	1	10	5	41	7	51	13	100
Charles	9	61	1	9	4	29	6	39	15	100
Dorchester	7	76	0	1	2	23	2	24	9	100
Frederick	16	71	1	5	5	23	7	29	23	100
Garrett	4	49	0	0	4	51	4	51	8	100
Harford	14	55	1	4	11	40	12	45	26	100
Howard	14	58	3	14	7	28	10	42	24	100
Kent	2	100	0	0	0	0	0	0	2	100
Montgomery	25	65	3	8	11	27	14	35	39	100
Prince George's	62	63	10	10	26	27	36	37	98	100
Queen Anne's	6	75	1	13	1	13	2	25	8	100
St. Mary's	12	74	3	19	1	8	4	26	16	100
Somerset	5	82	1	18	0	0	1	18	6	100
Talbot	5	71	0	0	2	29	2	29	7	100
Washington	6	41	0	0	9	59	9	59	15	100
Wicomico	9	72	0	2	3	26	4	28	13	100
Worcester	7	58	0	0	5	42	5	42	12	100
Baltimore City	25	65	1	2	13	33	13	35	38	100
Maryland	354	65	32	6	162	30	194	35	547	100

**FARS data

Table 97 – Drivers Involved in Fatal Crashes, by County and Blood Alcohol Concentration (BAC) of the Driver - 2009

County	Blood Alcohol Concentration of the Driver								Total Drivers Involved in Fatal Crashes	
	BAC=0.00		BAC=0.01--0.07		BAC=0.08+		Any Alcohol (BAC = 0.01+)		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Allegany	11	88	0	1	1	12	2	13	12	100
Anne Arundel	57	75	1	2	18	23	19	25	76	100
Baltimore	73	71	3	3	28	27	31	29	104	100
Calvert	18	93	1	6	0	1	1	7	19	100
Caroline	5	82	0	0	1	18	1	18	6	100
Carroll	23	86	0	1	4	13	4	14	27	100
Cecil	12	59	2	8	7	33	9	41	21	100
Charles	15	72	1	7	4	21	5	28	20	100
Dorchester	12	84	0	1	2	15	2	16	14	100
Frederick	25	79	1	4	6	17	7	21	32	100
Garrett	9	74	0	0	3	26	3	26	12	100
Harford	25	75	1	3	8	22	9	25	34	100
Howard	22	71	3	11	6	18	9	29	31	100
Kent	2	100	0	0	0	0	0	0	2	100
Montgomery	35	73	3	7	10	20	13	27	48	100
Prince George's	102	77	10	7	22	16	32	23	134	100
Queen Anne's	9	82	1	9	1	9	2	18	11	100
St. Mary's	22	83	3	12	1	5	4	17	26	100
Somerset	6	84	1	16	0	0	1	16	7	100
Talbot	7	78	0	0	2	22	2	22	9	100
Washington	34	82	0	0	8	18	8	18	42	100
Wicomico	13	79	0	1	3	20	4	21	17	100
Worcester	13	72	0	1	5	28	5	28	18	100
Baltimore City	41	75	2	3	12	22	14	25	55	100
Maryland	591	76	34	4	151	19	185	24	776	100

**FARS data

Table 98 – Drivers Killed in Fatal Crashes, by County and Blood Alcohol Concentration (BAC) of the Driver - 2009

County	Blood Alcohol Concentration of the Driver								Total Drivers Killed in Fatal Crashes	
	BAC=0.00		BAC=0.01--0.07		BAC=0.08+		Any Alcohol (BAC = 0.01+)			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Allegany	8	84	0	1	1	14	1	16	9	100
Anne Arundel	19	59	1	3	12	38	13	41	32	100
Baltimore	29	55	1	2	23	43	24	45	53	100
Calvert	7	86	1	13	0	1	1	14	8	100
Caroline	1	50	0	0	1	50	1	50	2	100
Carroll	9	77	0	1	2	22	3	23	11	100
Cecil	5	56	1	11	3	33	4	44	9	100
Charles	8	67	1	8	3	25	4	33	12	100
Dorchester	3	75	0	0	1	25	1	25	4	100
Frederick	12	64	1	6	5	30	7	36	18	100
Garrett	3	50	0	0	3	50	3	50	6	100
Harford	11	71	0	0	4	29	4	29	15	100
Howard	9	67	2	15	3	18	5	33	14	100
Kent	2	100	0	0	0	0	0	0	2	100
Montgomery	12	63	2	11	5	27	7	37	19	100
Prince George's	35	66	5	10	13	24	18	34	53	100
Queen Anne's	4	67	1	17	1	17	2	33	6	100
St. Mary's	10	77	3	23	0	0	3	23	13	100
Somerset	3	75	1	25	0	0	1	25	4	100
Talbot	5	71	0	0	2	29	2	29	7	100
Washington	6	46	0	0	7	54	7	54	13	100
Wicomico	5	80	0	0	1	20	1	20	6	100
Worcester	5	63	0	0	3	38	3	38	8	100
Baltimore City	8	57	0	0	6	43	6	43	14	100
Maryland	217	64	21	6	100	30	121	36	338	100

**FARS data

Table 99 – Surviving Drivers Involved in Fatal Crashes, by County and Blood Alcohol Concentration (BAC) of the Driver - 2009

County	Blood Alcohol Concentration of the Driver								Total Surviving Drivers in Fatal Crashes	
	BAC=0.00		BAC=0.01--0.07		BAC=0.08+		Any Alcohol (BAC = 0.01+)			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Allegany	3	97	0	0	0	3	0	3	3	100
Anne Arundel	38	87	0	1	6	13	6	13	44	100
Baltimore	45	87	1	3	5	10	6	13	51	100
Calvert	11	98	0	1	0	1	0	2	11	100
Caroline	4	98	0	0	0	3	0	3	4	100
Carroll	15	92	0	1	1	7	1	8	16	100
Cecil	7	62	1	6	4	32	5	38	12	100
Charles	7	80	0	4	1	16	2	20	9	100
Dorchester	9	88	0	1	1	11	1	12	10	100
Frederick	14	99	0	1	0	1	0	1	14	100
Garrett	6	98	0	0	0	2	0	2	6	100
Harford	15	77	1	6	3	17	4	23	19	100
Howard	13	74	1	7	3	19	4	26	17	100
Kent	0	0	0	0	0	0	0	0	0	0
Montgomery	23	80	1	4	4	15	6	20	29	100
Prince George's	67	83	5	6	9	11	14	17	81	100
Queen Anne's	5	100	0	0	0	0	0	0	5	100
St. Mary's	12	90	0	1	1	9	1	10	13	100
Somerset	3	97	0	3	0	0	0	3	3	100
Talbot	2	100	0	0	0	0	0	0	2	100
Washington	28	98	0	0	1	2	1	2	28	100
Wicomico	9	78	0	2	2	20	2	22	11	100
Worcester	8	79	0	1	2	20	2	21	10	100
Baltimore	33	80	2	4	6	15	8	20	41	100
Maryland	374	85	14	3	50	12	64	15	438	100

**FARS data

Table 100 - Fatalities and Fatality Rates by County, 2005-2009

County	Fatalities						Fatality Rate per 100 Million Vehicle Miles Traveled					
	2005	2006	2007	2008	2009	Difference, 2005-2009	2005	2006	2007	2008	2009	Difference, 2005-2009
Allegany	11	10	8	8	12	1	1.28	1.2	0.97	0.98	1.43	0.15
Anne Arundel	54	61	48	48	49	-5	0.94	1.06	0.83	0.83	0.87	-0.07
Baltimore	73	68	72	70	85	12	0.88	0.82	0.87	0.85	1.04	0.16
Calvert	10	21	17	9	9	-1	1.26	2.74	2.23	1.18	1.16	-0.1
Caroline	10	14	6	11	4	-6	2.46	3.52	1.55	2.96	1.08	-1.38
Carroll	21	24	21	21	15	-6	1.58	1.85	1.62	1.65	1.16	-0.42
Cecil	21	23	22	17	13	-8	1.68	1.84	1.59	1.26	0.96	-0.72
Charles	40	30	23	14	15	-25	3.01	2.34	1.79	1.11	1.20	-1.81
Dorchester	6	4	2	6	10	4	1.42	0.95	0.48	1.52	2.51	1.09
Frederick	33	33	25	21	23	-10	1.11	1.09	0.83	0.72	0.79	-0.32
Garrett	8	4	8	5	8	0	1.36	0.7	1.43	0.95	1.46	0.1
Harford	22	24	30	21	26	4	0.95	1.05	1.27	0.9	1.10	0.15
Howard	18	23	20	22	24	6	0.48	0.61	0.52	0.58	0.63	0.15
Kent	1	6	8	6	2	1	0.41	2.5	3.4	2.73	0.94	0.53
Montgomery	44	58	49	52	40	-4	0.58	0.77	0.66	0.7	0.54	-0.04
Prince Georges	134	111	126	129	98	-36	1.5	1.27	1.44	1.48	1.14	-0.36
Queen Annes	7	9	12	11	8	1	0.71	0.91	1.23	1.19	0.86	0.15
St. Marys	14	17	10	16	16	2	1.68	2.03	1.18	1.95	1.97	0.29
Somerset	2	4	1	1	6	4	0.65	1.28	0.33	0.35	2.07	1.42
Talbot	7	6	11	7	7	0	1.12	0.95	1.75	1.14	1.14	0.02
Washington	21	31	21	16	15	-6	1.05	1.48	1.00	0.78	0.77	-0.28
Wicomico	13	15	18	14	13	0	1.4	1.47	1.77	1.39	1.32	-0.08
Worcester	10	11	11	18	12	2	1.49	1.63	1.64	2.8	1.84	0.35
Baltimore City	34	44	46	49	40	6	0.94	1.21	1.27	1.35	1.12	0.18
Maryland	614	651	615	592	550	-64	1.08	1.15	1.08	1.05	0.99	-0.09

Glossary

Alcohol-Related Crash

Any Reportable crash in which one or more of the drivers, pedestrians or pedalcyclists involved in the crash was reported to have been drinking. Sources may differ between charts (FARS or state) as noted.

Alcohol-Related Fatality

A person who died within 30 days as a result of a traffic crash involving alcohol. Sources may differ between charts (FARS or state) as noted.

Blood Alcohol Concentration (BAC)

The BAC is measured as a percentage by weight of alcohol in the blood (grams/deciliter). A positive BAC level (0.01 g/d and higher) indicates that alcohol was consumed by the person tested. A BAC level of .08 g/dl or more indicates that the person was intoxicated.

Body Type

Detailed type of motor vehicle within a vehicle type.

Bus

Large motor vehicles used to carry more than ten passengers, including school buses, inter-city buses, and transit buses.

Child Passenger Restraint System

A combination of an approved child safety seat and existing vehicle safety belt restraints.

Collision Diagram

A diagram which shows all the crashes in a intersection and the directions and types of crashes.

Construction Zone

The area between the first advance warning sign and the point beyond the work area where traffic is no longer affected.

Glossary

Crash

An occurrence that originates or terminates on a traffic way, which involves at least one motor vehicle in transport and results in injury or death to any person, or damage to any property.

Crash Rates

VMT - The number of crashes per 100 million vehicle miles traveled.

Population - The number of crashes per 100,000 population.

Licensed Drivers - The number of crashes per 100,000 licensed drivers.

Registered Vehicles - The number of crashes per 100,000 registered vehicles.

Crash Severity

1. Fatal Crash - A motor vehicle traffic crash in which one or more persons were killed.
2. Injury Crash - A motor vehicle traffic crash involving one or more persons who were physically harmed or who complained of physical harm but were not killed.
3. Property Damage Crash - A motor vehicle traffic crash involving property damage and no injury or death.

Crash Type

The category that best describes the general type of collision which was the first harmful event, that is, the first occurrence of injury or damage.

DUI

Driving Under the Influence.

DWI

Driving While Impaired

Ejection

Refers to occupants being totally or partially thrown from the vehicle as a result of an impact or rollover.

Glossary

Fatality

A person who dies as the result of a motor vehicle traffic crash. (For record keeping purposes, the death must occur within 30 days of the crash).

Fatality Rate

VMT - The number of persons killed per 100 million vehicle miles traveled.

Population - The number of persons killed per 100,000 population.

Licensed Drivers - The number of persons killed per 100,000 licensed drivers.

Registered Vehicles - The number of persons killed per 100,000 registered vehicles.

First Harmful Event

The first occurrence of injury or property damage in a motor vehicle crash.

Fixed Object

Stationary structures or substantial vegetation attached to the terrain.

Hazardous Material Spillage

A load spilled from a cargo carrying vehicle which is considered dangerous or involves risk.

Holidays

The holiday weekend begins at 6:00 PM of the last working day before the holiday and ends at midnight on the last day of the holiday. Pre-Holiday weekends and post-holiday weekends are time periods equivalent to that of the weekend before or the weekend after the holiday, respectively. The same applies to holidays during the middle of the work week where no weekend is involved.

Intersection

An area which contains a crossing or connection of two or more roadways not classified as driveway access and within the prolongation of the lateral curb lines. If no curb exists, it is the area within the extension of the lateral boundary lines of the roadway of two joined traffic ways.

Glossary

Intersection Related

A crash resulting from an activity, behavior or traffic control that affects a unit's movement in relation to an intersection, whether or not the point of origin or first harmful event occurred within the intersection.

Land Use

The crash location (urban or rural).

Most Harmful Event

The event during a crash for a particular vehicle that is judged to have produced the greatest personal injury or property damage.

Motorcycle

A two- or three-wheeled motor vehicle designed to transport one or two people, including motorscooters, minibikes, and mopeds.

Non-motorist

Any person who is not an occupant of a motor vehicle in transport and includes the following:

1. Pedestrians
2. Pedalcyclists
3. Occupants of parked motor vehicles
4. Others such as skateboard riders, people riding on animals, and persons riding in animal drawn conveyances.

Occupant

Any person who is in or upon a vehicle, including the driver, passenger, and persons riding on the outside of the vehicle.

Pedalcyclist

A person on a vehicle that is powered solely by pedals.

Glossary

Pedestrian

Any person on foot, not in or upon a motor vehicle or other vehicle.

Passenger

Any occupant of a vehicle who is not the driver.

Passenger Car

Motor vehicles used primarily for carrying passengers, including utility vehicles, sedans, convertibles and station wagons.

Reportable Crash

A crash resulting in a death within the 30 days of the crash, or injury, in any degree, to any person involved; or crashes resulting in damage to any vehicle serious enough to require towing.

Restraint Use

The occupant's use of available vehicle restraints including lap belt, shoulder belt, or automatic belt.

Roadway

That part of a traffic-way designed, improved, and ordinarily used for motor vehicle travel.

Seating Position

The location of the occupants in the vehicle. More than one can be assigned the same seat position.

Speed-Related Crash

Any reportable crash in which speed was listed as a contributing factor, whether or not the driver was noted as going over the posted speed limit.

Vehicle Miles of Travel (VMT)

Glossary

A measure which indicates the number of miles traveled by vehicles on Maryland roadways.

Work Zone

The area between the first advance warning sign and the point beyond the work area where traffic is no longer affected (same as construction zone).



Internet Websites

Maryland State Highway Administration - www.sha.state.md.us

US DOT NHTSA website - www.nhtsa.dot.gov

National Study Center for Trauma and EMS (CODES) – nsc.umaryland.edu