

Ohio Department of Public Safety 1998 Traffic Crash Facts

DISCLAIMER

Information contained in this report represents traffic crash data and supporting information from the Ohio Integrated Traffic Records System and various other state agency sources. Data presented herein represents the contents of those files on or about 6/1/1999. Most of the data files used to generate this report are subject to minor changes over time due to continuing efforts to assure the data contained therein is as accurate as possible. As such, some details of these reports may not be duplicable from the current Ohio Integrated Traffic Records System data files.

Ohio Department of Public Safety 1998 Traffic Crash Facts

Table of Contents

Table of Contents	i
List of Tables	ii
List of Figures.....	v
CHAPTER 1 GENERAL STATISTICS	3
Definitions	4
CHAPTER 2 CRASH STATISTICS	15
CHAPTER 3 DEATH & INJURY STATISTICS	23
CHAPTER 4 DRIVER STATISTICS	31
CHAPTER 5 VEHICLE STATISTICS	37
CHAPTER 6 ALCOHOL STATISTICS	48
CHAPTER 7 COUNTY STATISTICS.....	59
CHAPTER 8 CITY STATISTICS	65

Ohio Department of Public Safety 1998 Traffic Crash Facts

List of Tables

TABLE 1.00 - ECONOMIC COST OF TRAFFIC CRASHES.....	3
TABLE 1.01 - OHIO MOTOR VEHICLE CRASH HIGHLIGHTS	6
TABLE 1.02 - ECONOMIC LOSS IN CRASHES - 1984 - 1998.....	7
TABLE 1.03 - DEATH TOLL AND RATES THROUGH THE YEARS 1939 - 1998.....	8
TABLE 1.04 - ECONOMIC COSTS OF CRASHES IN MILLIONS	11
TABLE 1.05 - CRASHES OVER THE LAST FIVE YEARS.....	11
TABLE 1.06 - PEDESTRIAN DEATHS AND INJURIES OVER THE LAST FIVE YEARS	12
TABLE 2.01 - CRASHES BY MONTH.....	15
TABLE 2.02 - FATALITIES AND INJURIES BY MONTH	16
TABLE 2.03 - CRASHES BY DAY OF WEEK	16
TABLE 2.04 - DEATHS AND INJURIES BY DAY OF WEEK	16
TABLE 2.05 - CRASHES BY LIGHT CONDITION.....	17
TABLE 2.06 - DEATHS AND INJURIES BY TYPE OF CRASH.....	17
TABLE 2.07 - CRASHES BY WEATHER CONDITION.....	18
TABLE 2.08 - CRASHES BY TYPE.....	18
TABLE 2.09 - PROBABLE CAUSES OF CRASHES	19
TABLE 2.10 - CRASHES, DEATHS AND INJURIES ON HOLIDAY WEEKENDS.....	20
TABLE 3.01 - AGE DISTRIBUTION OF PERSONS KILLED	23
TABLE 3.02 - AGE DISTRIBUTION OF PERSONS INJURED.....	24
TABLE 3.03 - DEATHS AND INJURIES BY GENDER	25
TABLE 3.04 - RESTRAINT USE OF PASSENGER CAR/TRUCK OCCUPANTS BY AGE.....	26
TABLE 3.05 - CHILD RESTRAINT USE IN CRASHES	27
TABLE 3.06 - PERCENT OF PASSENGER CAR/TRUCK OCCUPANTS EJECTED BY YEAR.....	27
TABLE 3.07 - EJECTION OF PASSENGER CAR/TRUCK OCCUPANTS BY INJURY STATUS.....	28
TABLE 4.01 - DRIVERS IN CRASHES BY AGE GROUP.....	31
TABLE 4.02 - MALE DRIVERS IN CRASHES BY AGE GROUP.....	32
TABLE 4.03 - FEMALE DRIVERS IN CRASHES BY AGE GROUP	33
TABLE 4.05 - UNINSURED DRIVERS BY GENDER OF DRIVER.....	34
TABLE 4.06 - UNINSURED DRIVERS BY AGE GROUP	34
TABLE 5.01 - TYPES OF VEHICLES INVOLVED IN CRASHES	37
TABLE 5.02 - PASSENGER CAR DEATHS AND INJURIES BY POSITION IN VEHICLE	38
TABLE 5.03 - DRIVERS IN ALL CRASHES BY AGE AND VEHICLE TYPE.....	38

TABLE 5.04 - DRIVERS IN FATAL CRASHES BY AGE AND VEHICLE TYPE.....	39
TABLE 5.05 - DRIVERS, PASSENGERS AND PEDESTRIANS KILLED AND INJURED.....	39
TABLE 5.06 - TRACTOR-TRAILER TRUCK CRASHES.....	40
TABLE 5.07 - CRASHES, DEATHS AND INJURIES BY TRUCK DRIVERS IN ERROR.....	40
TABLE 5.08 - CRASHES, DEATHS, AND INJURIES INVOLVING MOTORCYCLES.....	41
TABLE 5.09 - AGE GROUP OF MOTORCYCLISTS KILLED AND INJURED.....	41
TABLE 5.10 - HELMET USE OF MOTORCYCLISTS KILLED AND INJURED.....	42
TABLE 5.11 - PERSONS IN ERROR IN SINGLE-VEHICLE MOTORCYCLE CRASHES.....	42
TABLE 5.12 - PERSONS IN ERROR IN MULTIPLE-VEHICLE MOTORCYCLE CRASHES.....	42
TABLE 5.13 - BICYCLE DEATHS AND INJURIES BY POPULATION GROUP.....	43
TABLE 5.14 - BICYCLE DEATHS AND INJURIES BY AGE AND LIGHT CONDITION.....	43
TABLE 5.15 - BICYCLE CRASHES OVER LAST 15 YEARS.....	44
TABLE 5.16 - SCHOOL BUS CRASHES OVER LAST 15 YEARS.....	44
TABLE 5.17 - CRASHES, DEATHS AND INJURIES INVOLVING SCHOOL BUSES.....	45
TABLE 5.18 - FIRST HARMFUL EVENT IN SCHOOL BUS CRASHES.....	45
TABLE 5.19 - MOTOR VEHICLE-TRAIN CRASHES AND CONSEQUENCES BY POPULATION AREA.....	46
TABLE 5.20 - RAILROAD GRADE WARNING IN MOTOR VEHICLE-TRAIN CRASHES.....	46
TABLE 6.01 - ALCOHOL-RELATED CRASHES, DEATHS AND INJURIES 1984-1998.....	48
TABLE 6.02 - ALCOHOL-RELATED CRASHES, DEATHS AND INJURIES BY MONTH.....	48
TABLE 6.03 - ALCOHOL INVOLVEMENT OF DRIVERS IN CRASHES BY TIME OF DAY.....	49
TABLE 6.04 - BACs OF DRINKING DRIVERS IN ERROR IN FATAL CRASHES BY AGE.....	49
TABLE 6.05 - URBAN/RURAL PERSONS INJURED IN ALCOHOL-RELATED CRASHES.....	50
TABLE 6.06 - ALCOHOL INVOLVEMENT IN CRASHES BY TYPE OF DAMAGE.....	50
TABLE 6.07 - DRINKING DRIVERS BY AGE AND TYPE OF VEHICLE.....	51
TABLE 6.08 - PERSONS KILLED IN CRASHES BY AGE OF THE DRINKING DRIVER IN ERROR.....	52
TABLE 6.09 - PERSONS INJURED IN CRASHES BY AGE OF THE DRINKING DRIVER IN ERROR.....	53
TABLE 6.10 - AGE OF PERSONS KILLED AND INJURED IN ALCOHOL-RELATED CRASHES.....	54
TABLE 6.11 - DRINKING DRIVERS BY VEHICLE TYPE.....	54
TABLE 6.12 - YOUTHFUL DRIVERS IN ALCOHOL-RELATED CRASHES.....	55
TABLE 7.01 - TOTAL CRASHES BY COUNTY.....	59
TABLE 7.02 - ALCOHOL-RELATED CRASHES BY COUNTY.....	61
TABLE 8.01 - TOTAL CRASHES BY CITY.....	65
TABLE 8.02 - ALCOHOL-RELATED CRASHES BY CITY.....	71

Ohio Department of Public Safety 1998 Traffic Crash Facts

List of Figures

FIGURE 1.1 - DEATH RATE OVER THE YEARS	7
FIGURE 2.1 - PERCENTAGE OF CRASHES BY MONTH.....	15

CHAPTER 1

GENERAL STATISTICS

CHAPTER 1

GENERAL STATISTICS

Economic Loss - The cost of crashes is used to allow incorporation of those property damage crashes that are reported (the vast majority) as well as to recognize the significantly higher societal cost of fatal crashes. The United States Department of Transportation (US-DOT) cost estimates are used for fatal, injury and property damage crashes. Currently, Ohio is using the following costs for crashes as defined within FHWA-RD-91-055, representing the most current thoughts relative to direct and indirect costs of traffic crashes. Beginning with 1991 final statistics, the Ohio Department of Public Safety (ODPS) has used the following costs, as prescribed in that bulletin:

TABLE 1.00
ECONOMIC COST OF TRAFFIC CRASHES

Severity of Crash	Average Cost Per Crash	Average Cost Per Incident
Fatal Crash	\$ 2,723,000	\$ 2,393,000
Injury Crash	\$ 70,000	\$ 46,000
Incapacitating	\$ 229,000	\$ 170,000
Evident	\$ 48,000	\$ 33,000
Claimed	\$ 25,000	\$ 17,000
Property Damage Only	\$ 4,500	\$ 1,700

In Table 1.00, the cost of a crash "per incident" represents the cost per person killed or injured. Due to differences between Ohio and national distributions of fatal, injury, and property damage crashes, the computed costs will differ, depending upon the choice of a "per crash" or a "per incident" measure. In most cases, the "per crash" statistics are used.

Definitions

Alcohol-Related Crash: A crash in which a vehicle driver or pedestrian had been drinking.

Blood Alcohol Concentration (BAC): The level of alcohol in a person's bloodstream. In Ohio, the legal limit of .10 equals a blood alcohol concentration of one part per thousand.

Child Safety Seat: Safety devices designed to fit in motor vehicles that keep children securely in place. The seats are required by law for children who weigh either under 40 pounds or who are less than four years old, or both.

Crash: An occurrence involving a moving motor vehicle that produces bodily injury or property damage. Crashes are generally caused by driver error, a defect in the vehicle or in the road pavement, or an obstruction on the pavement. It occurs on a road, or after the motor vehicle runs off the road, but before events are stabilized.

Drinking Driver or Pedestrian: A person identified as one who had been drinking at the time of the crash regardless of the level of impairment.

Driver: Any person of any age operating a vehicle, including non-motorized vehicles.

Driver In Error: A term that identifies the person, animal or condition that was the primary cause of a motor vehicle crash.

Fatality vs. Fatal Crash: A fatality is a death that results from a traffic crash. A fatal crash is a motor vehicle crash (single or multiple) that results in the death of one or more people. A fatal crash can cause one or more fatalities.

Injury (motor vehicle-related): Personal injuries are classified by the reporting offices as follows:

1. Fatality -- an injury that results in death within 30 days after the crash.
2. Serious visible injury -- an injury other than a fatality that prevents the injured person from continuing the normal activities he/she was capable of performing prior to the crash.
3. Minor visible injury -- an injury, other than a fatality or serious injury, which is evident to the observer at the crash scene.
4. No visible injury -- an injury that is not evident to the observer, but is claimed by the person, or suspected because of behavior.

Moped: A pedalcycle that has a motor.

Motorcycle: A motorized two-wheeled or three-wheeled vehicle with more than five-brake horsepower.

DEFINITIONS

Continued

Motor Vehicle: Any self-propelled vehicle that does not run on rails. Examples include, but are not limited to, automobiles, trucks, tractor-trailers and motorcycles.

Occupant Restraints: Devices found in motor vehicles for the protection of vehicle occupants that keep the driver and passengers in their seats, preventing them from being ejected from the motor vehicle upon impact. Restraint devices include lap belts, lab/shoulder harness combinations, and air bags.

Occupant Restraint Usage: The usage of occupant restraints reported in this document is based on either the usage indicated in traffic crash reports or observed usage. Usage rates from field observations include front seat occupants and small children covered by Ohio's child safety seat law.

Property Damage Crash (PDO): A traffic crash that results in no injuries or fatalities. Ohio law requires that all crashes resulting in more than \$400 in damage be reported to the Ohio Department of Public Safety on the OH-1 Traffic Crash Report.

Rural Area: An unincorporated or incorporated area with a population under 2,500.

Single vs. Multiple Vehicle Crashes: Single vehicle crashes involve only one motor vehicle, but may include pedestrians. Multiple vehicle crashes involve two or more vehicles and may also include pedestrians.

Speed Related Crash: A traffic crash in which one or more vehicles were reported as exceeding the posted speed limit and/or where the reporting officer indicated that excessive tablespeed for roadway conditions or loss of control was a contributing factor.

Urban Area: An area that is incorporated, usually a city with a population of 2,500 or more people.

Youthful Driver: A driver is considered a youthful driver if his or her age at the time of the crash was between 16 and 24, inclusive.

NOTE: All percentages and dollar figures without a decimal are rounded. Therefore, totals for those columns are generated from the statistics, not by adding up the columns.

**TABLE 1.01
OHIO MOTOR VEHICLE CRASH HIGHLIGHTS**

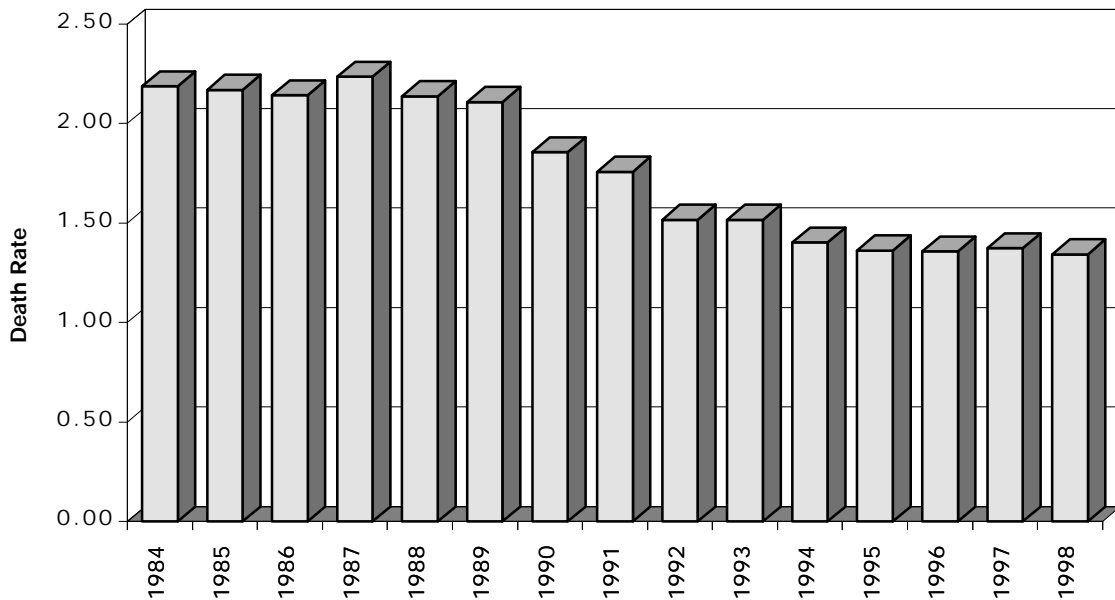
	1997	1998		1997	1998
CRASHES			ALCOHOL-RELATED CRASHES		
Fatal	1,268	1,290	Fatal	342	344
Injury	128,296	123,785	Injury	11,941	11,711
Property Damage	257,288	252,845	Property Damage	12,077	12,124
Total	386,852	377,920	Total	24,360	24,179
Urban	237,125	230,127	Deaths	390	374
Rural	149,727	147,793	Injuries	19,310	18,783
INJURIES			Urban Alcohol Crashes	13,810	13,391
Serious Visible	9,322	9,018	Urban Alcohol Fatalities	139	122
Minor Visible	62,875	62,021	Urban Alcohol Injuries	10,925	10,093
Non-Visible Claimed	148,180	140,167			
			Rural Alcohol Crashes	10,550	10,788
Total Non-Fatal Injuries	220,377	211,206	Rural Alcohol Fatalities	251	252
Total Fatalities	1,439	1,423	Rural Alcohol Injuries	8,385	8,690
DRIVERS			ROADS & MILEAGE		
Total Licensed Drivers	7,867,391	7,556,491	Total Highway Miles	114,642	113,688
Total Drivers in Crashes	670,287	687,609	Million Vehicle-Miles Traveled	104,839	106,029
Drinking Drivers in Crashes	25,112	24,803	Million Vehicle-Kilometers	168,686	170,601
			RATES		
VEHICLES			* Per 100 Million Miles Traveled		
Total Registered Vehicles	11,196,310	11,399,641	Death Rate	1.37	1.34
Passenger Cars	513,511	500,941	Injury Rate	210.21	199.20
Trucks	162,893	160,929	Crash Rate	369.00	356.43
Motorcycles	3,129	3,394	** Per 100 Million Kilometers		
All Other Vehicles	25,613	25,247	Traveled		
			Death Rate	0.85	0.83
			Injury Rate	130.64	123.80
			Crash Rate	229.33	221.52
TOTAL VEHICLES IN CRASHES	703,664	690,511	ECONOMIC LOSS		
			(Thousands of Dollars)		
PEDESTRIANS			Fatal Crashes	3,452,764	3,512,670
Pedestrians Killed	127	137	Injury Crashes	8,980,720	8,664,950
Pedestrians Injured	4,116	3,897	Property Damage Crashes	1,157,796	1,137,803
PASSENGERS					
Total Passengers in Crashes	256,809	248,662	Total Economic Loss	13,591,280	13,315,423

**TABLE 1.02
ECONOMIC LOSS IN CRASHES - 1984 - 1998**

Year	Total	Fatal	Injury	Property Damage	Economic Loss	Deaths	Annual Travel	Death Rate
1984	342,349	1,479	112,361	228,509	\$12,920,878	1,645	75,200	2.19
1985	373,069	1,478	118,790	252,801	\$13,477,499	1,644	75,798	2.17
1986	369,383	1,503	119,729	248,151	\$13,590,379	1,673	78,073	2.14
1987	380,401	1,588	124,041	254,772	\$14,153,468	1,772	79,252	2.24
1988	385,776	1,586	126,504	257,686	\$14,333,545	1,748	81,765	2.14
1989	388,854	1,574	127,580	259,700	\$14,385,252	1,772	84,054	2.11
1990	373,525	1,479	125,834	246,212	\$13,943,651	1,637	88,197	1.86
1991	350,279	1,451	116,689	232,139	\$13,163,929	1,635	93,002	1.76
1992	357,055	1,303	119,509	235,646	\$12,974,106	1,440	94,961	1.52
1993	362,063	1,327	121,588	239,148	\$13,200,747	1,479	97,522	1.52
1994	370,373	1,210	123,102	246,061	\$13,019,245	1,368	97,522	1.40
1995	383,383	1,216	127,961	254,206	\$13,412,365	1,357	99,679	1.36
1996	395,113	1,248	130,793	263,072	\$13,737,638	1,395	102,809	1.36
1997	386,852	1,268	128,296	257,288	\$13,591,280	1,439	104,839	1.37
1998	377,920	1,290	123,785	252,845	\$13,315,423	1,423	106,029	1.34
Average	373,093	1,400	123,104	248,549	\$13,547,960	1,562	90,580	1.76

Note: Economic loss in thousands of dollars.

**FIGURE 1.1
DEATH RATE OVER THE YEARS**



**TABLE 1.03
DEATH TOLL AND RATES THROUGH THE YEARS 1939 - 1998**

Year	Annual Death Toll	Annual Travel AMVMT *	Death Rate MVMT **	Annual Travel AMVKT ***	Death Rate MVKT ****
1939	1,903	15,509	12.27	24,954	7.63
1940	2,070	16,613	12.46	26,730	7.74
1941	2,458	18,221	13.49	29,318	8.38
1942	1,783	15,765	11.31	25,366	7.03
1943	1,331	12,761	10.43	20,532	6.48
1944	1,340	12,171	11.01	19,583	6.84
1945	1,545	13,869	11.14	22,315	6.92
1946	1,823	18,340	9.94	29,509	6.18
1947	1,830	20,022	9.14	32,215	5.68
1948	1,856	22,095	8.40	35,551	5.22
1949	1,716	23,604	7.27	37,979	4.52
1940-49	17,752	173,461	10.23	279,099	6.36
1950	1,754	25,129	6.98	40,433	4.34
1951	1,778	26,817	6.63	43,149	4.12
1952	2,013	28,716	7.01	46,204	4.36
1953	2,047	30,690	6.67	49,380	4.15
1954	1,883	31,754	5.93	51,092	3.69
1955	2,074	32,868	6.31	52,885	3.92
1956	2,023	34,581	5.85	55,641	3.64
1957	2,053	35,892	5.72	57,750	3.55
1958	1,817	37,006	4.91	59,543	3.05
1959	1,853	37,971	4.88	61,095	3.03
1950-59	19,295	321,424	6.00	517,171	3.73

**TABLE 1.03
DEATH TOLL AND RATES THROUGH THE YEARS 1939 - 1998**

Year	Annual Death Toll	Annual Travel AMVMT *	Death Rate MVMT **	Annual Travel AMVKT ***	Death Rate MVKT ****
1960	1,907	38,682	4.93	62,239	3.06
1961	1,679	39,413	4.26	63,416	2.65
1962	1,864	40,086	4.65	64,498	2.89
1963	2,011	42,071	4.78	67,692	2.97
1964	2,108	44,379	4.75	71,406	2.95
1965	2,333	46,754	4.99	75,227	3.10
1966	2,605	48,241	5.40	77,620	3.36
1967	2,533	49,764	5.09	80,070	3.16
1968	2,555	52,789	4.84	84,938	3.01
1969	2,778	55,783	4.98	89,755	3.10
1960-69	22,373	457,962	4.89	736,861	3.04
1970	2,575	55,978	4.60	90,069	2.86
1971	2,381	61,051	3.90	98,231	2.42
1972	2,451	63,497	3.86	102,167	2.40
1973	2,385	65,164	3.66	104,849	2.27
1974	1,900	63,123	3.01	101,565	1.87
1975	1,809	64,149	2.82	103,216	1.75
1976	1,930	67,014	2.88	107,826	1.79
1977	1,873	69,888	2.68	112,450	1.67
1978	2,048	72,113	2.84	116,030	1.77
1979	2,281	73,109	3.12	117,632	1.94
1970-79	21,633	655,086	3.30	1,054,033	2.05
1980	2,033	71,837	2.83	115,586	1.76
1981	1,780	71,774	2.48	115,484	1.54
1982	1,618	70,655	2.29	113,684	1.42
1983	1,585	73,380	2.16	118,068	1.34
1984	1,645	75,114	2.19	120,858	1.36
1985	1,644	75,413	2.18	121,340	1.35
1986	1,673	77,097	2.17	124,049	1.35
1987	1,772	79,107	2.24	127,283	1.39
1988	1,748	81,765	2.14	131,560	1.33
1989	1,772	84,054	2.11	135,243	1.31
1980-89	17,270	760,196	2.27	1,223,155	1.41

TABLE 1.03
DEATH TOLL AND RATES THROUGH THE YEARS 1939 - 1998
Continued

Year	Annual Death Toll	Annual Travel AMVMT *	Death Rate MVMT **	Annual Travel AMVKT ***	Death Rate MVKT ****
1990	1,637	88,197	1.86	141,909	1.15
1991	1,635	93,002	1.76	149,640	1.09
1992	1,440	94,961	1.52	152,792	0.94
1993	1,479	97,522	1.52	156,913	0.94
1994	1,368	97,522	1.40	156,913	0.87
1995	1,357	99,679	1.36	160,384	0.85
1996	1,395	102,809	1.36	165,420	0.84
1997	1,439	104,839	1.37	168,686	0.85
1998	1,423	106,029	1.34	170,601	0.83
1990-1998	13,173	884,560	1.49	1,423,256	0.93
10 Year Average					
1940-1949	1,775	17,346	10.23	27,910	6.36
1950-1959	1,930	32,142	6.00	51,717	3.73
1960-1969	2,237	45,796	4.89	73,686	3.04
1970-1979	2,163	65,509	3.30	105,403	2.05
1980-1989	1,727	76,020	2.27	122,316	1.41
50 Year Average					
1940-1989	1,966	47,363	4.15	76,206	2.58
* Annual Million Vehicle Miles of Travel ** Deaths per 100 Million Miles Traveled *** Annual Million Vehicle-Kilometers of Travel **** Deaths per 100 Million Kilometers Traveled					

**TABLE 1.04
ECONOMIC COSTS OF CRASHES IN MILLIONS**

Type of Injury	1994	1995	1996	1997	1998	5-Year Average
Deaths	\$3,274	\$3,247	\$3,338	\$3,444	\$3,405	\$3,342
Serious Visible Injuries	\$1,658	\$1,663	\$1,627	\$1,585	\$1,533	\$1,613
Minor Visible Injuries	\$2,072	\$2,099	\$2,086	\$2,075	\$2,046	\$2,076
Claimed Injuries	\$2,322	\$2,454	\$2,572	\$2,519	\$2,383	\$2,450
Property Damage Only	\$418	\$432	\$447	\$437	\$437	\$434
Ohio: Total Cost Estimates	\$9,743	\$9,895	\$10,070	\$10,060	\$9,805	\$9,915

**TABLE 1.05
CRASHES OVER THE LAST FIVE YEARS**

Crashes	1994	1995	1996	1997	1998	Five-Year Average
Fatal Crashes	1,210	1,216	1,248	1,268	1,290	1,246
Injury Crashes	123,102	127,961	130,793	128,296	123,785	126,787
Property Damage Crashes	246,061	254,206	263,072	257,288	252,845	254,694
Total Crashes	370,373	383,383	395,113	386,852	377,920	382,728
Serious Visible Injuries	9,751	9,783	9,570	9,322	9,018	9,489
Minor Visible Injuries	62,792	63,617	63,205	62,875	62,012	62,900
Non-Visible Claimed Injuries	136,570	144,325	151,271	148,180	140,167	144,103
Total Non-Fatal Injuries	209,113	217,725	224,046	220,377	211,206	216,492
Total Fatal Injuries	1,368	1,357	1,395	1,439	1,423	1,396
Male Drivers Involved	364,817	375,052	383,683	373,880	363,458	372,178
Female Drivers Involved	241,832	252,471	262,710	261,931	258,544	255,498
Total Drivers*	640,415	662,782	682,494	670,287	687,609	668,717
Passenger Cars Involved	496,403	512,339	525,013	513,511	500,941	509,641
Trucks Involved	149,642	156,891	165,662	162,893	160,929	159,203
Motorcycles	3,774	3,429	3,082	3,129	3,394	3,362
All Other Vehicles	23,737	24,086	25,297	25,613	25,247	24,796
Total Vehicles	673,556	696,745	719,054	705,146	690,511	697,002
Pedestrians Involved	5,122	4,858	5,120	4,684	4,431	4,843
*Total drivers includes drivers whose gender was not stated.						

**TABLE 1.06
PEDESTRIAN DEATHS AND INJURIES OVER THE LAST FIVE YEARS**

	1994	1995	1996	1997	1998	Average
Pedestrian Deaths	127	117	122	127	137	126
Total Deaths	1,368	1,357	1,395	1,439	1,423	1,396
Percent of Total	9.3%	8.6%	8.7%	8.8%	9.6%	9.0%
Pedestrian Injuries	4,459	4,245	4,480	4,116	3,897	4,239
Total Injuries	209,113	217,725	224,046	220,377	211,206	216,493
Percent of Total	2.1%	1.9%	2.0%	1.9%	1.8%	2.0%

CHAPTER 2

CRASH STATISTICS

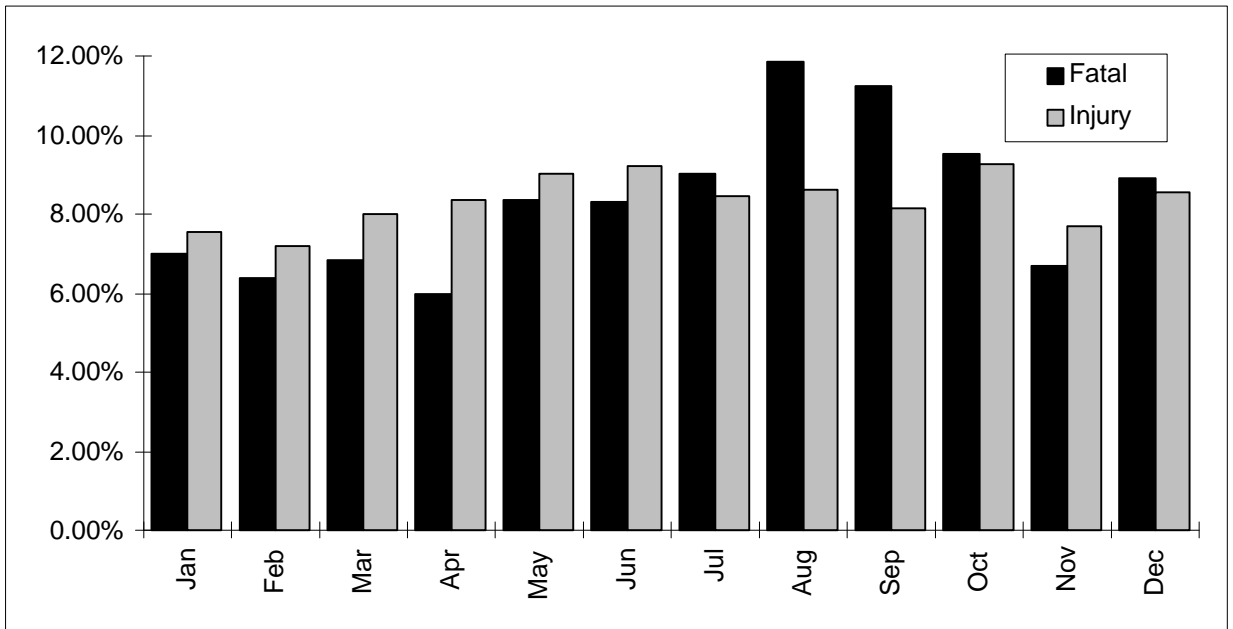
CHAPTER 2 CRASH STATISTICS

**TABLE 2.01
CRASHES BY MONTH**

Month	Fatal 1998	Fatal 1997	Injury 1998	Injury 1997	Property Damage 1998	Property Damage 1997	Total 1998	Total 1997	Economic Loss x \$1,000 1998	Economic Loss x \$1,000 1997
January	90	109	9,361	11,493	20,115	25,897	29,566	37,499	\$990,858	\$1,217,854
February	82	87	8,869	8,518	18,990	18,631	27,941	27,236	\$929,571	\$917,001
March	88	73	9,883	9,537	20,328	19,227	30,299	28,837	\$1,022,910	\$952,891
April	77	97	10,344	10,115	19,826	18,857	30,247	29,069	\$1,022,968	\$1,057,038
May	108	105	11,168	11,876	21,240	22,575	32,516	34,556	\$1,171,424	\$1,218,823
June	107	130	11,416	11,009	20,994	20,410	32,517	31,549	\$1,184,954	\$1,216,465
July	116	135	10,458	10,718	19,210	19,168	29,784	30,021	\$1,134,373	\$1,204,121
August	153	124	10,650	11,392	19,716	20,136	30,519	31,652	\$1,250,841	\$1,225,704
September	145	118	10,077	10,578	19,087	19,174	29,309	29,870	\$1,186,117	\$1,148,057
October	123	122	11,481	11,626	24,401	23,168	36,005	34,916	\$1,248,404	\$1,250,282
November	86	88	9,496	10,916	23,658	25,854	33,240	36,858	\$1,005,359	\$1,120,087
December	115	80	10,582	10,518	25,280	24,191	35,977	34,789	\$1,167,645	\$1,062,960
Total	1,290	1,268	123,785	128,296	252,845	257,288	377,920	386,852	\$13,315,424	\$13,591,283

Note: Economic loss in thousands of dollars.

**FIGURE 2.1
PERCENTAGE OF CRASHES BY MONTH**



**TABLE 2.02
FATALITIES AND INJURIES BY MONTH**

Month	Fatality 1998	Fatality 1997	Serious Injury 1998	Serious Injury 1997	Minor Injury 1998	Minor Injury 1997	No Visible Injury 1998	No Visible Injury 1997	Total 1998	Total 1997
January	99	129	601	759	4,288	4,952	10,807	13,315	15,795	19,155
February	91	109	602	625	4,043	3,892	10,062	9,835	14,798	14,461
March	96	88	668	666	4,518	4,403	11,683	11,390	16,965	16,547
April	88	108	703	800	4,917	4,823	12,123	11,710	17,831	17,441
May	124	111	848	834	5,974	5,839	12,443	14,222	19,389	21,006
June	111	144	880	897	6,210	6,068	12,532	12,079	19,733	19,188
July	124	152	847	912	5,950	6,164	11,440	11,643	18,361	18,871
August	174	142	945	862	6,140	6,251	11,620	12,833	18,879	20,088
September	154	130	782	780	5,379	5,308	10,879	12,049	17,194	18,267
October	125	136	758	846	5,456	5,533	13,177	13,736	19,516	20,251
November	98	104	724	689	4,232	4,943	10,940	12,861	15,994	18,597
December	139	86	660	652	4,914	4,699	12,461	12,507	18,174	17,944
Total	1,423	1,439	9,018	9,322	62,021	62,875	140,167	148,180	212,629	221,816

**TABLE 2.03
CRASHES BY DAY OF WEEK**

Day of Week	Fatal	Injury	Property Damage	Total	Economic Loss
Sunday	200	12,884	24,072	37,156	\$1,554,804
Monday	148	16,984	35,022	52,154	\$1,749,483
Tuesday	166	18,373	38,038	56,577	\$1,909,299
Wednesday	168	19,141	40,593	59,902	\$1,980,003
Thursday	175	18,722	39,761	58,658	\$1,965,990
Friday	203	20,318	41,862	62,383	\$2,163,408
Saturday	230	17,363	33,497	51,090	\$1,992,437
Total	1,290	123,785	252,845	377,920	\$13,315,424

Note: Economic loss in thousands of dollars.

**TABLE 2.04
DEATHS AND INJURIES BY DAY OF WEEK**

Day of Week	Deaths	Injuries	Total
Sunday	218	23,193	95,684
Monday	168	28,357	127,237
Tuesday	182	30,642	138,044
Wednesday	181	31,636	144,519
Thursday	192	31,189	141,684
Friday	222	35,132	159,869
Saturday	260	31,057	133,665
Total	1,423	211,206	940,702

**TABLE 2.05
CRASHES BY LIGHT CONDITION**

Light Condition	Fatal	Injury	Property Damage	Total	Economic Loss
Daylight	667	86,438	170,330	257,435	\$8,633,386
Dawn	13	2,125	5,037	7,175	\$206,816
Dusk	26	2,987	5,918	8,931	\$306,519
Dark No Lights	400	13,929	36,729	51,058	\$2,229,511
Dark Lighted	184	18,101	34,051	52,336	\$1,921,332
Other Light Condition	0	140	412	552	\$11,654
Not Stated	0	65	368	433	\$6,206
Total	1,290	123,785	252,845	377,920	\$13,315,424

Note: Economic loss in thousands of dollars.

**TABLE 2.06
DEATHS AND INJURIES BY TYPE OF CRASH**

	DEATHS			INJURIES		
	Rural	Urban	Total	Rural	Urban	Total
2 VEHICLES INVOLVED						
Head On	179	37	216	3,876	4,099	7,975
Rear End	43	27	70	22,317	47,730	70,047
Backing	3	6	9	625	2,077	2,702
Sideswipe Meeting	23	8	31	2,272	3,630	5,902
Sideswipe Passing	5	9	14	1,805	5,831	7,636
Angle	260	84	344	23,012	47,702	70,714
Subtotal	513	171	684	53,907	111,069	164,976
1 VEHICLE INVOLVED						
Parked Vehicle	5	3	8	488	2,559	3,047
Pedestrian	52	72	124	555	3,312	3,867
Animal	5	0	5	1,967	360	2,327
Train	6	4	10	40	26	66
Pedalcycles	7	3	10	298	1,798	2,096
Other Non-Vehicles	2	2	4	155	120	275
Fixed Object	372	147	519	20,284	8,917	29,201
Other Object	6	2	8	651	490	1,141
Fall From Vehicle	5	4	9	133	199	332
Overturning	32	7	39	2,068	622	2,690
Other Non-Collision	2	1	3	606	582	1,188
Subtotal	494	245	739	27,245	18,985	46,230
Total	1,007	416	1,423	81,152	130,054	211,206

**TABLE 2.07
CRASHES BY WEATHER CONDITION**

Weather Condition	Fatal	Injury	Property Damage	Total Crashes
No Adverse Conditions	1,104	99,028	203,014	303,146
Rain	125	19,675	37,851	57,651
Snow	24	3,570	8,655	12,249
Fog	29	949	1,903	2,881
Heavy Wind	4	188	502	694
Other Weather Condition	3	288	536	827
Not Stated	1	87	384	472
Total	1,290	123,785	252,845	377,920

**TABLE 2.08
CRASHES BY TYPE**

	Fatal	Injury	Property Damage	Total	Economic Loss	Rural	Urban
2 VEHICLES INVOLVED							
Head On	185	3,677	2,831	6,693	\$773,885	2,785	3,908
Rear End	61	38,912	63,898	102,871	\$3,177,484	31,474	71,397
Backing	8	1,468	10,464	11,940	\$171,632	3,064	8,876
Sideswipe Meeting	27	3,088	7,716	10,831	\$324,403	4,048	6,783
Sideswipe Passing	12	4,260	20,254	24,526	\$422,019	5,614	18,912
Angle	294	36,599	59,370	96,263	\$3,629,657	27,105	69,158
Subtotal	587	88,004	164,533	253,124	\$8,499,080	74,090	179,034
1 VEHICLE INVOLVED							
Parked Vehicle	7	2,384	20,164	22,555	\$276,679	2,577	19,978
Pedestrian	123	3,447	131	3,701	\$576,809	575	3,126
Animal	5	1,852	24,301	26,158	\$252,610	23,301	2,857
Train	10	52	66	128	\$31,167	73	55
Pedalcycles	10	1,927	228	2,165	\$163,146	299	1,866
Other Non-Vehicles	4	226	414	644	\$28,575	336	308
Fixed Object	485	21,941	32,885	55,311	\$3,004,508	37,176	18,135
Other Object	8	838	4,338	5,184	\$99,965	3,187	1,997
Fall From Vehicle	9	293	514	816	\$47,330	397	419
Overturning	39	1,940	973	2,952	\$246,376	2,299	653
Other Non-Collision	3	881	4,298	5,182	\$89,180	3,483	1,699
Subtotal	703	35,781	88,312	124,796	\$4,816,345	73,703	51,093
Total	1,290	123,785	252,845	377,920	\$13,315,425	147,793	242,927

Note: Economic loss in thousands of dollars.

**TABLE 2.09
PROBABLE CAUSES OF CRASHES**

	Fatal	% of Total Fatafs	Injury	Property Damage	Total	Economic Loss
DRIVER IN ERROR						
Excessive Speed	267	20.7%	7,255	9,612	17,134	\$1,278,145
Failure to Control	208	16.1%	17,980	31,095	49,283	\$1,964,912
Failure to Yield	177	13.7%	22,789	34,274	57,240	\$2,231,434
Left of Center	128	9.9%	2,430	3,418	5,976	\$534,025
Drove Off Road	111	8.6%	1,081	1,292	2,484	\$383,737
Following Too Close	49	3.8%	33,373	56,188	89,610	\$2,722,383
Ran Stop/Yield Sign	71	5.5%	2,923	3,023	6,017	\$411,547
Improper Passing	17	1.3%	1,362	4,534	5,913	\$162,034
Driver Inattention	58	4.5%	5,351	10,480	15,889	\$579,664
Other Driver Error	38	2.9%	3,424	7,599	11,061	\$377,350
Ran Red Light	23	1.8%	5,373	5,801	11,197	\$464,844
Improper Backing	4	0.3%	1,495	13,910	15,409	\$178,137
Improper Lane Change	14	1.1%	2,549	11,668	14,231	\$269,058
Improper Turning	6	0.5%	3,541	8,438	11,985	\$302,179
Stop/Park Illegally	3	0.2%	122	451	576	\$18,739
Improper Start	0	0.0%	457	1,953	2,410	\$40,779
Subtotal	1,174	91.0%	111,505	203,736	316,415	\$11,918,967
NON-DRIVER ERROR						
Pedestrian Action	75	5.8%	1,870	227	2,172	\$336,147
Vehicle Defect	9	0.7%	1,081	3,913	5,003	\$117,786
Animal Action	5	0.4%	2,126	24,818	26,949	\$274,116
Load Shift/Spill	2	0.2%	206	2,024	2,232	\$28,974
Pavement Defect	0	0.0%	85	301	386	\$7,305
Downed Sign/Device	0	0.0%	11	73	84	\$1,099
View Obstructed	0	0.0%	102	231	333	\$8,180
Debris on Road	2	0.2%	251	2,022	2,275	\$32,115
Shoulder Defect	0	0.0%	10	40	50	\$880
No Driver Error	0	0.0%	97	184	281	\$7,618
Subtotal	93	7.2%	5,839	33,833	39,765	\$814,220
Fault Inconclusive	23	1.8%	6,389	15,133	21,545	\$577,958
Not Stated	0	0.0%	52	143	195	\$4,284
Total	1,290	100.0%	123,785	252,845	377,920	\$13,315,429

Note: Economic loss in thousands of dollars.

**TABLE 2.10
CRASHES, DEATHS AND INJURIES ON HOLIDAY WEEKENDS**

Holiday Weekend	Year	Number of Days	Total Crashes	Total Deaths	Alcohol Related Deaths	Total Injuries
New Year's	1997-98	1 1/4	990	9	4	540
	1996-97	1 1/4	841	1	0	472
	1995-96	3 1/4	2,659	5	4	1,370
	1994-95	3 1/4	2,726	7	1	1,904
	1993-94	3 1/4	3,409	15	8	1,714
	1992-93	3 1/4	2,516	16	7	1,561
	1991-92	1 1/4	654	6	3	316
Memorial Day	1998	3 1/4	1,621	10	7	1,041
	1997	3 1/4	2,964	16	5	1,968
	1996	3 1/4	2,786	17	9	1,906
	1995	3 1/4	2,494	11	6	1,703
	1994	3 1/4	2,494	14	5	1,751
	1993	3 1/4	2,774	17	6	1,864
	1992	3 1/4	2,537	14	7	1,770
July 4th	1998	3 1/4	1,520	4	2	1,021
	1997	3 1/4	2,321	17	8	1,664
	1996	4 1/4	3,695	24	9	2,749
	1995	4 1/4	3,427	16	2	2,427
	1994	3 1/4	2,438	12	3	1,719
	1993	3 1/4	2,529	18	6	1,747
	1992	3 1/4	2,722	22	13	1,863
Labor Day	1998	3 1/4	2,844	17	3	1,699
	1997	3 1/4	2,330	15	6	1,609
	1996	3 1/4	2,327	24	7	1,602
	1995	3 1/4	2,388	25	14	1,747
	1994	3 1/4	2,209	14	3	1,536
	1993	3 1/4	2,327	17	8	1,577
	1992	3 1/4	2,513	28	18	1,823
Thanksgiving	1998	4 1/4	4,023	22	3	2,185
	1997	4 1/4	3,800	10	2	2,075
	1996	4 1/4	4,311	10	3	2,307
	1995	4 1/4	3,422	13	10	1,688
	1994	4 1/4	4,243	17	12	2,243
	1993	4 1/4	4,416	17	6	2,515
	1992	4 1/4	3,464	10	4	1,836
Christmas	1998	3 1/4	2,800	21	8	1,476
	1997	4 1/4	2,914	5	4	1,740
	1996	1 1/4	694	2	2	422
	1995	3 1/4	3,619	8	3	1,897
	1994	3 1/4	2,198	10	3	1,193
	1993	3 1/4	3,596	10	4	1,668
	1992	3 1/4	2,764	14	4	1,639
Holiday Totals	1998	18 1/2	13,798	83	27	7,962
	1997	19 1/2	15,170	64	25	9,528
	1996	19 1/2	16,472	82	34	10,356
	1995	21 1/2	18,759	80	36	11,366
	1994	20 1/2	16,991	82	34	10,156
	1993	20 1/2	18,158	95	37	10,932
	1992	18 1/2	14,654	94	49	9,247

Note: "Days" refers to the length of the holiday weekend period, including the hours of 6 P.M. to midnight of the day preceding the holiday.

CHAPTER 3

DEATH & INJURY STATISTICS

CHAPTER 3 DEATH & INJURY STATISTICS

**TABLE 3.01
AGE DISTRIBUTION OF PERSONS KILLED**

Age Group	Drivers	Passengers	Pedestrians	Total
0-5	0	25	5	30
6-10	4	20	16	40
11-15	6	34	7	47
16-20	138	70	6	214
21-25	129	36	13	178
26-30	87	27	8	122
31-35	96	20	8	124
36-40	87	19	10	116
41-45	71	15	7	93
46-50	61	9	5	75
51-55	48	10	8	66
56-60	44	4	5	53
61-65	23	5	6	34
66-70	37	8	12	57
71-75	35	13	6	54
76 and Over	72	33	15	120
Not Stated	0	0	0	0
Total	938	348	137	1,423

Note: For purposes of this chart, drivers include operators of other vehicles such as bicycles and motorized bicycles.

**TABLE 3.02
AGE DISTRIBUTION OF PERSONS INJURED**

Age Group	Drivers	Passengers	Pedestrians	Total
0-5	177	7,012	309	7,498
6-10	626	5,869	638	7,133
11-15	1,322	7,766	584	9,672
16-20	25,840	12,735	418	38,993
21-25	17,982	5,516	272	23,770
26-30	16,006	3,835	228	20,069
31-35	14,683	2,926	217	17,826
36-40	14,545	2,895	231	17,671
41-45	12,764	2,426	223	15,413
46-50	10,371	2,131	181	12,683
51-55	7,769	1,579	121	9,469
56-60	5,575	1,265	93	6,933
61-65	4,206	1,159	74	5,439
66-70	3,497	1,164	61	4,722
71-75	3,175	1,087	52	4,314
76 and Over	3,995	1,613	95	5,703
Not Stated	1,572	2,226	100	3,898
Total	144,105	63,204	3,897	211,206

Note: For purposes of this chart, drivers include operators of other vehicles such as bicycles and motorized bicycles.

**TABLE 3.03
DEATHS AND INJURIES BY GENDER**

Age Group	DEATHS				INJURIES			
	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total
0-5	16	14	0	30	3,778	3,624	96	7,498
6-10	21	19	0	40	3,565	3,493	75	7,133
11-15	21	26	0	47	4,611	4,985	76	9,672
16-20	142	72	0	214	19,732	19,138	123	38,993
21-25	146	32	0	178	12,223	11,487	60	23,770
26-30	87	35	0	122	10,147	9,869	53	20,069
31-35	87	37	0	124	8,870	8,916	40	17,826
36-40	83	33	0	116	8,760	8,867	44	17,671
41-45	60	33	0	93	7,482	7,902	29	15,413
46-50	46	29	0	75	6,057	6,593	33	12,683
51-55	43	23	0	66	4,415	5,037	17	9,469
56-60	37	16	0	53	3,213	3,703	17	6,933
61-65	20	14	0	34	2,609	2,818	12	5,439
66-70	31	26	0	57	2,115	2,590	17	4,722
71-75	27	27	0	54	1,953	2,350	11	4,314
76 and Over	71	49	0	120	2,528	3,156	19	5,703
Not Stated	0	0	0	0	1,117	1,377	1,404	3,898
Total	938	485	0	1,423	103,175	105,905	2,126	211,206

**TABLE 3.04
RESTRAINT USE OF PASSENGER CAR/TRUCK OCCUPANTS BY AGE**

PERSONS KILLED					
Age Group	Used	Percent Used	Not Used	Not Available	Total
0-5	15	60.0%	8	2	25
6-10	7	36.8%	10	2	19
11-15	5	14.3%	28	2	35
16-20	53	27.5%	132	8	193
21-25	27	19.7%	98	12	137
26-30	26	26.5%	56	16	98
31-35	17	18.7%	65	9	91
36-40	20	21.3%	65	9	94
41-45	28	41.2%	35	5	68
46-50	17	29.8%	31	9	57
51-55	27	52.9%	18	6	51
56-60	23	51.1%	20	2	45
61-65	13	46.4%	10	5	28
66-70	19	44.2%	19	5	43
71-75	23	48.9%	21	3	47
76 and Over	57	54.3%	41	7	105
Not Stated	0	0.0%	0	0	0
Total	377	33.2%	657	102	1,136
PERSONS INJURED					
Age Group	Used	Percent Used	Not Used	Not Available	Total
0-5	6,134	87.5%	525	351	7,010
6-10	4,486	78.9%	788	411	5,685
11-15	5,435	69.8%	1,661	692	7,788
16-20	27,861	73.8%	7,019	2,847	37,727
21-25	17,134	75.8%	3,542	1,939	22,615
26-30	14,951	79.0%	2,382	1,603	18,936
31-35	13,528	80.6%	1,842	1,407	16,777
36-40	13,566	81.6%	1,718	1,338	16,622
41-45	12,182	84.2%	1,231	1,059	14,472
46-50	10,288	85.9%	886	802	11,976
51-55	7,785	86.4%	635	591	9,011
56-60	5,762	86.9%	434	431	6,627
61-65	4,514	86.3%	361	357	5,232
66-70	3,954	86.6%	295	319	4,568
71-75	3,646	86.4%	299	277	4,222
76 and Over	4,699	84.8%	443	399	5,541
Not Stated	1,753	51.5%	363	1,289	3,405
Total	157,678	79.5%	24,424	16,112	198,214

**TABLE 3.05
CHILD RESTRAINT USE IN CRASHES**

	Age	Total Children	Restraints Used	Percent Used
Killed	0	7	6	85.7%
	1	3	2	66.7%
	2	2	2	100.0%
	3	4	1	25.0%
Total	0-3	16	11	68.8%
Injured	0	1,163	1,098	94.4%
	1	1,141	1,044	91.5%
	2	1,139	1,005	88.2%
	3	1,181	996	84.3%
Total	0-3	4,624	4,143	89.6%
Not Injured	0	4,052	3,898	96.2%
	1	4,394	4,274	97.3%
	2	4,386	4,208	95.9%
	3	4,453	4,175	93.8%
Total	0-3	17,285	16,555	95.8%
Not Stated	0	43	8	18.6%
	1	46	10	21.7%
	2	48	12	25.0%
	3	53	9	17.0%
Total	0-3	190	39	20.5%
All Occupants	0	5,265	5,010	95.2%
	1	5,584	5,330	95.5%
	2	5,575	5,227	93.8%
	3	5,691	5,181	91.0%
Grand Total	0-3	22,115	20,748	93.8%

**TABLE 3.06
PERCENT OF PASSENGER CAR/TRUCK OCCUPANTS EJECTED BY YEAR**

	1993	1994	1995	1996	1997	1998
Fatality	25.95%	23.51%	25.571%	22.941%	23.479%	27.817%
Serious Visible Injury	9.57%	9.61%	9.776%	9.457%	9.881%	10.698%
Minor Visible Injury	1.53%	1.52%	1.394%	1.364%	1.367%	1.401%
Claimed Injury	0.11%	0.13%	0.128%	0.100%	0.089%	0.089%
No Indicated Injury	0.02%	0.02%	0.019%	0.020%	0.021%	0.021%
Not Stated	0.01%	0.01%	0.012%	0.010%	0.013%	0.018%
Total Crashes	0.26%	0.25%	0.236%	0.218%	0.224%	0.239%

**TABLE 3.07
EJECTION OF PASSENGER CAR/TRUCK OCCUPANTS BY INJURY STATUS**

FATAL CRASHES						
	Not Ejected	Partial Ejection	Total Ejection	Trapped	Not Stated	Total
Fatality	451	69	247	368	1	1,136
Serious Visible Injury	298	13	70	92	6	479
Minor Visible Injury	445	2	19	25	3	494
Claimed Injury	239	0	3	6	0	248
No Indicated Injury	546	0	3	1	6	556
Not Stated	31	0	0	1	83	115
Total	2,010	84	342	493	99	3,028

ALL CRASHES						
	Not Ejected	Partial Ejection	Total Ejection	Trapped	Not Stated	Total
Fatality	451	69	247	368	1	1,136
Serious Visible Injury	5,588	195	587	907	33	7,310
Minor Visible Injury	53,679	193	583	764	157	55,376
Claimed Injury	134,583	35	85	341	484	135,528
No Indicated Injury	644,871	56	82	545	1,824	647,378
Not Stated	4,895	1	8	10	45,812	50,726
Total	844,067	549	1,592	2,935	48,311	897,454

CHAPTER 4

DRIVER STATISTICS

CHAPTER 4 DRIVER STATISTICS

**TABLE 4.01
DRIVERS IN CRASHES BY AGE GROUP**

Age Group	Fatal	Injury	Property Damage	Total	Driver In Error	Percent In Error
0-5	0	240	328	568	303	0.0%
6-10	4	653	124	781	594	0.1%
11-15	12	1,462	844	2,318	1,660	0.3%
16-20	303	39,980	70,040	110,323	69,424	10.6%
21-25	252	27,265	48,724	76,241	39,653	6.1%
26-30	201	24,534	45,107	69,842	32,315	4.9%
31-35	206	22,789	41,813	64,808	28,430	4.3%
36-40	209	22,754	41,599	64,562	27,292	4.2%
41-45	186	19,753	37,379	57,318	22,856	3.5%
46-50	135	16,067	30,398	46,600	18,063	2.8%
51-55	116	11,948	22,483	34,547	13,464	2.1%
56-60	81	8,765	16,469	25,315	10,050	1.5%
61-65	51	6,638	12,121	18,810	7,903	1.2%
66-70	53	5,576	10,295	15,924	7,249	1.1%
71-75	51	5,013	8,948	14,012	7,171	1.1%
76 and Over	98	6,224	11,077	17,399	11,014	1.7%
Not Stated	41	7,881	28,033	35,955	27,963	4.3%
Total	1,999	227,542	425,782	655,323	325,404	49.7%

Note: Totals include bicyclists.

**TABLE 4.02
MALE DRIVERS IN CRASHES BY AGE GROUP**

Age Group	Fatal	Injury	Property Damage	Total
0-5	0	161	209	370
6-10	1	443	89	533
11-15	9	1,045	566	1,620
16-20	211	22,320	41,534	64,065
21-25	201	15,211	28,471	43,883
26-30	153	13,698	26,715	40,566
31-35	151	12,708	24,715	37,574
36-40	153	12,564	24,503	37,220
41-45	139	10,991	22,119	33,249
46-50	98	8,967	18,142	27,207
51-55	80	6,722	13,603	20,405
56-60	53	5,043	10,211	15,307
61-65	30	3,946	7,661	11,637
66-70	36	3,277	6,409	9,722
71-75	33	2,902	5,288	8,223
76 and Over	63	3,513	6,264	9,840
Not Stated	0	672	1,365	2,037
Total	1,411	124,183	237,864	363,458
Note: Totals include bicyclists.				

**TABLE 4.03
FEMALE DRIVERS IN CRASHES BY AGE GROUP**

Age Group	Fatal	Injury	Property Damage	Total
0-5	0	77	118	195
6-10	3	205	35	243
11-15	3	409	275	687
16-20	92	17,622	28,445	46,159
21-25	51	12,024	20,205	32,280
26-30	48	10,805	18,339	29,192
31-35	55	10,050	17,065	27,170
36-40	55	10,158	17,048	27,261
41-45	47	8,741	15,218	24,006
46-50	37	7,086	12,228	19,351
51-55	36	5,218	8,846	14,100
56-60	28	3,713	6,246	9,987
61-65	21	2,688	4,447	7,156
66-70	17	2,294	3,880	6,191
71-75	18	2,106	3,653	5,777
76 and Over	35	2,706	4,804	7,545
Not Stated	0	428	816	1,244
Total	546	96,330	161,668	258,544
Note: Totals include bicyclists.				

**TABLE 4.05
UNINSURED DRIVERS BY GENDER OF DRIVER**

	Male	Female	Not Stated	Total
Insured	330,975	241,793	2,341	575,109
Not Insured	13,200	7,346	669	21,215
Not Stated	16,963	8,723	30,163	55,849
Total	361,138	257,862	33,173	652,173

**TABLE 4.06
UNINSURED DRIVERS BY AGE GROUP**

Age Group	Number of Drivers	Percent of Drivers	Drivers In Error	Percent In Error
15 and Under	272	1.3%	243	89.3%
16-20	4,343	20.5%	3,435	79.1%
21-25	4,213	19.9%	3,085	73.2%
26-30	3,068	14.5%	2,187	71.3%
31-35	2,446	11.5%	1,766	72.2%
36-40	2,065	9.7%	1,473	71.3%
41-45	1,437	6.8%	1,009	70.2%
46-50	898	4.2%	614	68.4%
51-55	541	2.6%	335	61.9%
56-60	332	1.6%	212	63.9%
61-65	270	1.3%	173	64.1%
66-70	173	0.8%	118	68.2%
71-75	146	0.7%	109	74.7%
76 and Over	184	0.9%	140	76.1%
Not Stated	827	3.9%	634	76.7%
Total	21,215	100.0%	15,533	73.2%

CHAPTER 5

VEHICLE STATISTICS

CHAPTER 5 VEHICLE STATISTICS

**TABLE 5.01
TYPES OF VEHICLES INVOLVED IN CRASHES**

Vehicle Type	Fatal Crashes	Percent Fatal	Injury Crashes	Property Damage	Total Crashes	Percent of Total	Killed	Injured
Sub-Compact	58	2.8%	7,335	13,397	20,790	3.0%	50	7,283
Compact	340	16.2%	48,006	86,880	135,226	19.6%	264	45,514
Mid-Size	502	24.0%	72,921	135,735	209,158	30.3%	360	68,521
Full-Size	401	19.1%	45,807	89,559	135,767	19.7%	244	40,797
Car - Subtotal	1,301	62.1%	174,069	325,571	500,941	72.5%	918	162,115
Pickup Truck	308	14.7%	28,096	61,865	90,269	13.1%	164	21,289
Panel Truck	71	3.4%	13,477	28,924	42,472	6.2%	28	11,524
Straight Truck	57	2.7%	2,816	7,872	10,745	1.6%	14	1,458
Straight Truck Trailer	5	0.2%	470	1,403	1,878	0.3%	0	259
Truck Tractor	8	0.4%	247	590	845	0.1%	1	95
Tractor Semi-Trailer	131	6.3%	3,559	10,702	14,392	2.1%	10	1,441
Tractor Double-Trailer	3	0.1%	76	235	314	0.0%	1	30
Fifth Wheel or Hot Shot	0	0.0%	2	7	9	0.0%	0	0
Triple Trailer	0	0.0%	2	3	5	0.0%	0	3
Truck - Subtotal	583	27.8%	48,745	111,601	160,929	23.3%	218	36,099
Motorcycle up to 350cc	7	0.3%	231	42	280	0.0%	5	243
Motorcycle 351cc to 750cc	49	2.3%	1,095	216	1,360	0.2%	43	1,193
Motorcycle over 751cc	67	3.2%	1,388	299	1,754	0.3%	67	1,588
Motorcycle - Subtotal	123	5.9%	2,714	557	3,394	0.5%	115	3,024
Police Vehicle	2	0.1%	522	1,056	1,580	0.2%	1	458
Fire Truck	0	0.0%	62	201	263	0.0%	0	52
Ambulance-Rescue Vehicle	3	0.1%	111	260	374	0.1%	0	136
Public Safety Vehicle - Subtotal	5	0.2%	695	1,517	2,217	0.3%	1	646
Public Bus	2	0.1%	417	1,021	1,440	0.2%	0	385
Taxi	0	0.0%	93	131	224	0.0%	0	86
Train	11	0.5%	65	87	163	0.0%	0	5
Public Transportation - Subtotal	13	0.6%	575	1,239	1,827	0.3%	0	476
Motorized Bicycle	1	0.0%	103	19	123	0.0%	1	109
School Bus	9	0.4%	495	1,597	2,101	0.3%	0	701
Church Bus	0	0.0%	13	35	48	0.0%	0	7
Motor Home	2	0.1%	67	294	363	0.1%	0	41
Farm Vehicle	8	0.4%	117	241	366	0.1%	5	67
Farm Equipment	0	0.0%	48	129	177	0.0%	0	25
Snowmobile	0	0.0%	1	2	3	0.0%	0	1
Construction Equipment	1	0.0%	118	437	556	0.1%	0	50
Other Vehicle	12	0.6%	635	1,760	2,407	0.3%	6	472
Other Motor Vehicle - Subtotal	33	1.6%	1,597	4,514	6,144	0.9%	12	1,473
Animal W/Rider	0	0.0%	4	2	6	0.0%	0	3
Animal W/Buggy	4	0.2%	63	73	140	0.0%	4	88
Bicycle	17	0.8%	2,659	338	3,014	0.4%	16	2,660
Non-Motor Vehicle - Subtotal	21	1.0%	2,726	413	3,160	0.5%	20	2,751
Not Stated	17	0.8%	2,128	9,754	11,899	1.7%	2	725
Total- All Vehicle Types	2,096	100.0%	233,249	455,166	690,511	100.0%	1,286	207,309

**TABLE 5.02
PASSENGER CAR DEATHS AND INJURIES BY POSITION IN VEHICLE**

Seating Position	Fatal Injury	Serious Injury	Minor Injury	Claimed Injury	No Injury Indicated	Not Stated	Total Occupants
Front Left	648	4,055	30,824	75,907	351,899	475,797	12,464
Front Center	3	25	154	235	1,000	1,422	5
Front Right	179	1,228	9,482	22,213	81,117	114,528	309
Back Left	25	194	1,630	4,487	19,887	26,304	81
Back Center	20	95	693	1,849	8,243	10,922	22
Back Right	37	253	2,136	6,070	25,914	34,506	96
Other	6	30	171	384	2,138	27,606	24,877
Total	918	5,880	45,090	111,145	490,199	691,086	37,854

**TABLE 5.03
DRIVERS IN ALL CRASHES BY AGE AND VEHICLE TYPE**

Age Group	Passenger Cars	Trucks	Motorcycles	Other Vehicle Types	Total
15 and Under	1,394	271	44	1,958	3,667
16-20	93,750	15,337	274	962	110,323
21-25	59,963	14,723	518	1,037	76,241
26-30	50,675	17,150	483	1,534	69,842
31-35	44,005	18,874	448	1,481	64,808
36-40	42,631	19,954	447	1,530	64,562
41-45	38,208	17,327	382	1,401	57,318
46-50	31,939	13,270	289	1,102	46,600
51-55	23,834	9,661	174	878	34,547
56-60	17,485	7,045	111	674	25,315
61-65	13,626	4,706	45	433	18,810
66-70	12,383	3,241	33	267	15,924
71-75	11,760	2,088	13	151	14,012
76 and Over	15,716	1,548	4	131	17,399
Not Stated	18,060	7,346	61	10,488	35,955
Total	475,429	152,541	3,326	24,027	655,323

**TABLE 5.04
DRIVERS IN FATAL CRASHES BY AGE AND VEHICLE TYPE**

Age Group	Passenger Cars	Trucks	Motorcycles	Other Vehicle Types	Total
15 and Under	6	1	2	7	16
16-20	246	43	10	4	303
21-25	158	62	29	3	252
26-30	122	60	14	5	201
31-35	113	64	20	9	206
36-40	117	74	12	6	209
41-45	90	74	13	9	186
46-50	74	44	11	6	135
51-55	62	42	6	6	116
56-60	43	31	4	3	81
61-65	39	12	0	0	51
66-70	36	13	1	3	53
71-75	35	15	1	0	51
76 and Over	87	11	0	0	98
Not Stated	15	11	0	15	41
Total	1,243	557	123	76	1,999

**TABLE 5.05
DRIVERS, PASSENGERS AND PEDESTRIANS KILLED AND INJURED**

	Number Killed	Percent of Deaths	Number Injured	Percent of Injuries
DRIVERS				
Passenger Car	645	45.3%	110,843	52.5%
Motorcycle	103	7.2%	2,601	1.2%
Moped	1	0.1%	96	0.0%
Truck	159	11.2%	25,996	12.3%
Bicycle	16	1.1%	2,621	1.2%
All Other	12	0.8%	1,403	0.7%
Not Stated	2	0.1%	545	0.3%
Total	938	65.9%	144,105	68.2%
PASSENGERS				
Passenger Car	273	19.2%	51,272	24.3%
Motorcycle	12	0.8%	423	0.2%
Moped	0	0.0%	13	0.0%
Truck	59	4.1%	10,103	4.8%
Bicycle	0	0.0%	39	0.0%
All Other	4	0.3%	1,174	0.6%
Not Stated	0	0.0%	180	0.1%
Total	348	24.5%	63,204	29.9%
Total Pedestrians	137	9.6%	3,897	1.8%
Grand Total	1,423	100.0%	211,206	100.0%

**TABLE 5.06
TRACTOR-TRAILER TRUCK CRASHES**

	Crashes	Crashes Caused by Truck Drivers	Percent In Error
Fatal Crashes	127	31	24.4%
Injury Crashes	3,681	2,079	56.5%
Property Damage Crashes	10,972	7,038	64.1%
Total Crashes	14,780	9,148	61.9%
Tractor-Trailer Occupant Deaths	12	12	100.0%
Other Deaths*	135	24	17.8%
Total Deaths	147	36	24.5%
Tractor-Trailer Occupant Injuries	1,569	1,062	67.7%
Other Injuries*	4,172	2,081	49.9%
Total Injuries	5,741	3,143	54.7%

Note: Other deaths and injuries include pedestrians and occupants in vehicles other than tractor-trailers and pedestrians.

**TABLE 5.07
CRASHES, DEATHS AND INJURIES BY TRUCK DRIVERS IN ERROR**

	Crashes Involving Trucks	Crashes Caused by Truck Drivers	Percent In Error
Fatal Crashes	488	252	51.6%
Injury Crashes	42,481	24,296	57.2%
Property Damage Crashes	97,878	53,335	54.5%
Total	140,847	77,883	55.3%
Deaths	544	277	50.9%
Injuries	73,562	40,414	54.9%

**TABLE 5.08
CRASHES, DEATHS AND INJURIES INVOLVING MOTORCYCLES**

Year	Crashes	Deaths	Injuries
1984	7,649	212	7,256
1985	7,855	204	7,483
1986	7,246	211	6,862
1987	6,709	196	6,286
1988	5,715	155	6,271
1989	4,798	167	5,078
1990	4,777	162	4,470
1991	4,532	165	4,276
1992	3,805	113	3,512
1993	3,881	132	3,648
1994	3,698	106	3,463
1995	3,365	111	3,095
1996	3,023	118	2,710
1997	3,066	108	2,801
1998	3,316	115	3,024
15-Year Avg.	4,896	152	4,682

**TABLE 5.09
AGE GROUP OF MOTORCYCLISTS KILLED AND INJURED**

Age Group	Killed	Percent Killed	Injured	Percent Injured
0-15	1	0.9%	74	2.4%
16-20	11	9.6%	276	9.1%
21-25	25	21.7%	445	14.7%
26-30	15	13.0%	442	14.6%
31 and Over	63	54.8%	1,758	58.1%
Not Stated	0	0.0%	29	1.0%
Total	115	100.0%	3,024	100.0%

**TABLE 5.10
HELMET USE OF MOTORCYCLISTS KILLED AND INJURED**

	Total Riders	Percent of Total	Killed	Percent of Total	Injured	Percent of Total	Not Injured	Percent of Total
Full Cover	533	14.0%	7	6.1%	422	14.0%	104	15.6%
Full Face Cover	355	9.3%	6	5.2%	291	9.6%	58	8.7%
Other Type Helmet	78	2.0%	1	0.9%	65	2.1%	12	1.8%
Total Helmet Used	966	25.4%	14	12.2%	778	25.7%	174	26.1%
Helmet Not Used	2,318	60.9%	89	77.4%	1,846	61.0%	383	57.5%
Helmet Not Stated	521	13.7%	12	10.4%	400	13.2%	109	16.4%
Total	3,805	100.0%	115	100.0%	3,024	100.0%	666	100.0%

**TABLE 5.11
PERSONS IN ERROR IN SINGLE-VEHICLE MOTORCYCLE CRASHES**

	Fatal	Injury	Property Damage	Total	Percent of Total
Person in Error					
Motorcycle Drivers	45	1,077	143	1,265	77.3%
Non-Motorcycle Drivers	0	113	45	158	9.7%
Pedestrian	0	12	1	13	0.8%
Animal	2	99	21	122	7.5%
Error Not Determined/Not Stated	1	60	18	79	4.8%
Total	48	1,361	228	1,637	100.0%

**TABLE 5.12
PERSONS IN ERROR IN MULTIPLE-VEHICLE MOTORCYCLE CRASHES**

	Fatal	Injury	Property Damage	Total	Percent of Total
Person in Error					
Motorcycle Drivers	34	401	130	565	33.7%
Non-Motorcycle Drivers	29	803	178	1,010	60.2%
Pedestrian	0	0	0	0	0.0%
Animal	0	0	0	0	0.0%
Error Not Determined/Not Stated	3	87	14	104	6.2%
Total	66	1,291	322	1,679	100.0%

**TABLE 5.13
BICYCLE DEATHS AND INJURIES BY POPULATION GROUP**

Population Group	Deaths	Injuries	Total
Rural Under 1,000	0	14	14
Rural 1,000 to 2,499	0	52	52
Urban 2,500 to 4,999	0	77	77
Urban 5,000 to 9,999	0	135	135
Urban 10,000 to 24,999	1	529	530
Urban 25,000 to 49,999	0	334	334
Urban 50,000 and Over	4	1,143	1,147
Rural County and Township Roads	5	271	276
Rural State and Federal Routes	6	105	111
Not Stated	0	0	0
Total Bicycle Occupants	16	2,660	2,676

**TABLE 5.14
BICYCLE DEATHS AND INJURIES BY AGE AND LIGHT CONDITION**

Age Group	Total Killed	Day	Night	Total Injured	Day	Night
0-5	0	0	0	72	65	6
6-10	3	3	0	595	547	48
11-15	2	2	0	924	780	142
16-20	2	1	1	313	240	73
21 and Over	9	3	6	697	524	171
Not Stated	0	0	0	59	49	9
Total	16	9	7	2,660	2,205	449

Note: Total injured does not include light conditions "not stated" figures.

**TABLE 5.15
BICYCLE CRASHES OVER LAST 15 YEARS**

Year	Crashes
1984	3,064
1985	3,466
1986	3,531
1987	4,018
1988	3,473
1989	3,088
1990	2,890
1991	2,930
1992	2,656
1993	2,541
1994	2,678
1995	2,598
1996	2,532
1997	2,180
1998	2,165
Average	2,921

**TABLE 5.16
SCHOOL BUS CRASHES OVER LAST 15 YEARS**

Year	Crashes
1984	1,895
1985	2,090
1986	1,954
1987	1,836
1988	2,015
1989	1,907
1990	1,940
1991	1,943
1992	1,921
1993	1,924
1994	2,065
1995	2,109
1996	2,086
1997	1,960
1998	2,074
Average	1,981

**TABLE 5.17
CRASHES, DEATHS AND INJURIES INVOLVING SCHOOL BUSES**

Type of Crash		
Fatal	8	
Injury	487	
Property Damage	1,579	
Total Crashes	2,074	
Number that occurred in school zone	98	
Percent in school zone	4.7%	
	Deaths	Injuries
Passengers of school bus	0	701
Other drivers, passengers and pedestrians	9	476
Who was in Error		
School bus driver	905	
Other driver	947	
None determined	207	
Animal	11	
Pedestrian	4	

**TABLE 5.18
FIRST HARMFUL EVENT IN SCHOOL BUS CRASHES CAUSED BY SCHOOL BUS DRIVERS**

First Harmful Event	Frequency	Percent of Total
Angle	195	21.5%
Animal	0	0.0%
Backing	129	14.3%
Fall From or In Vehicle	0	0.0%
Fixed Object	78	8.6%
Head On	7	0.8%
Other Non-Collision	21	2.3%
Other Non-Motor Vehicle	0	0.0%
Other Object	12	1.3%
Overturning	2	0.2%
Parked Motor Vehicle	171	18.9%
Pedalcycle	1	0.1%
Pedestrian	5	0.6%
Rear End	119	13.1%
Sidesweep Meeting	73	8.1%
Sidesweep Passing	92	10.2%
Train	0	0.0%
Total	905	100.0%

**TABLE 5.19
MOTOR VEHICLE-TRAIN CRASHES AND CONSEQUENCES
BY POPULATION AREA**

	Urban	Percent Urban	Rural	Percent Rural	Total
Crashes					
Fatal	4	40.0%	6	60.0%	10
Injury	18	34.6%	34	65.4%	52
Property Damage	32	48.5%	34	51.5%	66
Total	54	42.2%	74	57.8%	128
Consequences					
Deaths	4	40.0%	6	60.0%	10
Injuries	25	37.9%	41	62.1%	66

**TABLE 5.20
RAILROAD GRADE WARNING IN MOTOR VEHICLE-TRAIN CRASHES**

Type of Warnings	Total Crashes	Fatal Crashes	Killed	Injured
RR Crossbuck	64	1	3	33
RR Flashes	20	4	5	8
RR Gates	22	2	2	14
Not Stated	22	3	0	11
Total	128	10	10	66

CHAPTER 6

ALCOHOL STATISTICS

CHAPTER 6 ALCOHOL STATISTICS

**TABLE 6.01
ALCOHOL-RELATED CRASHES, DEATHS AND INJURIES 1984-1998**

Year	Crashes	Deaths	Injuries
1984	38,329	818	29,030
1985	36,928	746	28,150
1986	38,052	809	30,577
1987	36,433	795	29,739
1988	34,580	766	29,262
1989	33,964	684	28,070
1990	32,803	623	27,954
1991	27,095	594	23,172
1992	25,156	510	21,340
1993	23,642	435	19,531
1994	23,090	330	19,246
1995	23,456	400	19,270
1996	23,282	386	19,258
1997	24,360	390	19,310
1998	24,179	374	18,783
15-Year Avg.	29,690	577	24,179

**TABLE 6.02
ALCOHOL-RELATED CRASHES, DEATHS AND INJURIES BY MONTH**

Month	Crashes	Deaths	Injuries
January	2,109	32	1,591
February	1,940	30	1,396
March	2,179	30	1,659
April	1,986	20	1,481
May	2,146	29	1,666
June	1,976	30	1,584
July	1,873	33	1,487
August	2,081	48	1,736
September	1,755	26	1,413
October	2,005	37	1,647
November	1,910	22	1,494
December	2,219	37	1,629
Total	24,179	374	18,783

**TABLE 6.03
ALCOHOL INVOLVEMENT OF DRIVERS IN CRASHES BY TIME OF DAY**

	ALL CRASHES				FATAL CRASHES				INJURY CRASHES			
	Without Alcohol	With Alcohol	Total Drivers	Percent Alcohol	Without Alcohol	With Alcohol	Total Drivers	Percent Alcohol	Without Alcohol	With Alcohol	Total Drivers	Percent Alcohol
All Drivers												
9 p.m. - 5 a.m.	70,165	12,971	83,136	15.6%	329	220	549	40.1%	22,977	6,553	29,530	22.2%
5 a.m. - 1 p.m.	204,638	2,791	207,429	1.3%	477	24	501	4.8%	68,473	1,110	69,583	1.6%
1 p.m. - 9 p.m.	353,181	8,890	362,071	2.5%	865	83	948	8.8%	123,542	4,119	127,661	3.2%
Not Stated	2,536	151	2,687	5.6%	1	0	1	0.0%	713	55	768	7.2%
Total	630,520	24,803	655,323	3.8%	1,672	327	1,999	16.4%	215,705	11,837	227,542	5.2%
Male Drivers												
9 p.m. - 5 a.m.	40,356	9,957	50,313	19.8%	239	192	431	44.5%	13,424	5,101	18,525	27.5%
5 a.m. - 1 p.m.	112,507	1,773	114,280	1.6%	314	16	330	4.8%	36,406	774	37,180	2.1%
1 p.m. - 9 p.m.	191,494	6,247	197,741	3.2%	574	75	649	11.6%	65,036	3,034	68,070	4.5%
Not Stated	1,034	90	1,124	8.0%	1	0	1	0.0%	367	41	408	10.0%
Total	345,391	18,067	363,458	5.0%	1,128	283	1,411	20.1%	115,233	8,950	124,183	7.2%
Female Drivers												
9 p.m. - 5 a.m.	21,703	2,507	24,210	10.4%	76	28	104	26.9%	8,048	1,311	9,359	14.0%
5 a.m. - 1 p.m.	83,823	672	84,495	0.8%	152	8	160	5.0%	30,405	264	30,669	0.9%
1 p.m. - 9 p.m.	147,186	1,875	149,061	1.3%	274	8	282	2.8%	55,122	872	55,994	1.6%
Not Stated	747	31	778	4.0%	0	0	0	0.0%	294	14	308	4.5%
Total	253,459	5,085	258,544	2.0%	502	44	546	8.1%	93,869	2,461	96,330	2.6%

Note: All drivers include drivers whose gender was not stated.

**TABLE 6.04
BACs OF DRINKING DRIVERS IN ERROR IN FATAL CRASHES
BY AGE FOR A FIFTEEN-YEAR PERIOD***

Age Group	Drinking Drivers In Error	At Fault with BAC's	BAC TEST RESULTS					% with BAC .10 or Higher	% with BAC .20 or Higher
			.01-.04	.05-.07	.08-.09	.10-.19	.20+		
15 and Under	18	9	2	2	3	2	0	22.2%	0.0%
16-20	1,283	783	87	83	48	396	169	72.2%	21.6%
21-25	1,747	1,050	49	65	67	541	328	82.8%	31.2%
26-30	1,306	835	37	40	29	355	374	87.3%	44.8%
31-35	928	577	25	19	25	255	253	88.0%	43.8%
36-40	658	401	22	20	11	144	204	86.8%	50.9%
41-45	367	243	15	10	16	86	116	83.1%	47.7%
46-50	209	130	6	3	2	55	64	91.5%	49.2%
51-55	152	96	6	5	1	31	53	87.5%	55.2%
56-60	108	64	9	2	0	18	35	82.8%	54.7%
61-65	92	59	1	3	2	23	30	89.8%	50.8%
66-70	50	26	1	4	2	11	8	73.1%	30.8%
71-75	40	27	3	2	5	12	5	63.0%	18.5%
76 and Over	35	11	2	2	0	3	4	63.6%	36.4%
Age Unknown	5	1	0	0	0	1	0	100.0%	0.0%
Total	6,998	4,312	265	260	211	1,933	1,643	82.9%	38.1%

*1983-1997

TABLE 6.05
URBAN/RURAL BREAKDOWN OF PERSONS INJURED IN ALCOHOL-RELATED CRASHES

Population Group	DEATHS				INJURIES			
	No Alcohol	Alcohol Related	Total Deaths	Percent Alcohol Related	No Alcohol	Alcohol Related	Total Injuries	Percent Alcohol Related
Rural Under 1,000	6	3	9	33.3%	979	81	1,060	7.6%
Rural 1,000 to 2,499	6	3	9	33.3%	3,138	333	3,471	9.6%
Urban 2,500 to 4,999	12	5	17	29.4%	4,528	393	4,921	8.0%
Urban 5,000 to 9,999	19	6	25	24.0%	7,574	598	8,172	7.3%
Urban 10,000 to 24,999	59	27	86	31.4%	25,018	1,930	26,948	7.2%
Urban 25,000 to 49,999	45	17	62	27.4%	18,805	1,532	20,337	7.5%
Urban 50,000 and Over	159	67	226	29.6%	64,036	5,640	69,676	8.1%
Rural County and Township Roads	259	132	391	33.8%	31,115	4,574	35,689	12.8%
Rural State and Federal Route	484	114	598	19.1%	37,230	3,702	40,932	9.0%
Total	1,049	374	1,423	26.3%	192,423	18,783	211,206	8.9%

TABLE 6.06
ALCOHOL INVOLVEMENT IN CRASHES BY TYPE OF DAMAGE

	Total Crashes	Alcohol Related	% Alcohol Related
Fatal Crashes	1,290	344	26.7%
Injury Crashes	123,785	11,711	9.5%
Property Damage	252,845	12,124	4.8%
Total Crashes	377,920	24,179	6.4%
Deaths	1,423	374	26.3%
Injuries	211,206	18,783	8.9%
URBAN			
Crashes	147,720	10,792	7.3%
Fatalities	415	121	29.2%
Injuries	130,171	10,095	7.8%
RURAL			
Crashes	230,200	13,387	5.8%
Fatalities	1,008	253	25.1%
Injuries	81,035	8,688	10.7%

**TABLE 6.07
DRINKING DRIVERS BY AGE AND TYPE OF VEHICLE**

	ALL CRASHES			INJURY CRASHES			FATAL CRASHES		
	Drinking Drivers	Total Drivers	Percent Drinking	Drinking Drivers	Total Drivers	Percent Drinking	Drinking Drivers	Total Drivers	Percent Drinking
Car Drivers									
0-15	80	1,394	5.7%	39	515	7.6%	0	6	0.0%
16-25	5,641	153,713	3.7%	2,806	55,745	5.0%	88	404	21.8%
26-35	4,554	94,680	4.8%	2,273	34,151	6.7%	66	235	28.1%
36-45	3,644	80,839	4.5%	1,809	29,274	6.2%	44	207	21.3%
46-55	1,510	55,773	2.7%	705	19,892	3.5%	10	136	7.4%
56-65	652	31,111	2.1%	313	11,297	2.8%	8	82	9.8%
66 and Over	487	39,859	1.2%	202	14,383	1.4%	4	158	2.5%
Not Stated	1,081	18,060	6.0%	346	4,855	7.1%	0	15	0.0%
Total	17,649	475,429	3.7%	8,493	170,112	5.0%	220	1,243	17.7%
Truck Drivers									
0-15	18	271	6.6%	3	88	3.4%	0	1	0.0%
16-25	1,302	30,060	4.3%	643	9,899	6.5%	22	105	21.0%
26-35	1,721	36,024	4.8%	797	11,330	7.0%	16	124	12.9%
36-45	1,566	37,281	4.2%	765	11,532	6.6%	23	148	15.5%
46-55	664	22,931	2.9%	301	7,106	4.2%	8	86	9.3%
56-65	216	11,751	1.8%	92	3,635	2.5%	5	43	11.6%
66 and Over	122	6,877	1.8%	47	2,203	2.1%	1	39	2.6%
Not Stated	385	7,346	5.2%	92	1,488	6.2%	0	11	0.0%
Total	5,994	152,541	3.9%	2,740	47,281	5.8%	75	557	13.5%
Motorcycle Drivers									
0-15	1	44	2.3%	1	35	2.9%	0	2	0.0%
16-25	69	792	8.7%	56	636	8.8%	8	39	20.5%
26-35	167	931	17.9%	139	767	18.1%	12	34	35.3%
36-45	134	829	16.2%	113	678	16.7%	6	25	24.0%
46-55	48	463	10.4%	41	382	10.7%	2	17	11.8%
56-65	13	156	8.3%	11	133	8.3%	1	4	25.0%
66 and Over	2	50	4.0%	2	40	5.0%	0	2	0.0%
Not Stated	8	61	13.1%	5	31	16.1%	0	0	0.0%
Total	442	3,326	13.3%	368	2,702	13.6%	29	123	23.6%
Other Drivers									
0-15	17	1,958	0.9%	14	1,717	0.8%	0	7	0.0%
16-25	74	1,999	3.7%	48	965	5.0%	2	7	28.6%
26-35	71	3,015	2.4%	48	1,075	4.5%	0	14	0.0%
36-45	80	2,931	2.7%	42	1,023	4.1%	1	15	6.7%
46-55	31	1,980	1.6%	16	635	2.5%	0	12	0.0%
56-65	19	1,107	1.7%	7	338	2.1%	0	3	0.0%
66 and Over	16	549	2.9%	5	187	2.7%	0	3	0.0%
Not Stated	410	10,488	3.9%	56	1,507	3.7%	0	15	0.0%
Total	718	24,027	3.0%	236	7,447	3.2%	3	76	3.9%
All Drivers									
0-15	116	3,667	3.2%	57	2,355	2.4%	0	16	0.0%
16-25	7,086	186,564	3.8%	3,553	67,245	5.3%	120	555	21.6%
26-35	6,513	134,650	4.8%	3,257	47,323	6.9%	94	407	23.1%
36-45	5,424	121,880	4.5%	2,729	42,507	6.4%	74	395	18.7%
46-55	2,253	81,147	2.8%	1,063	28,015	3.8%	20	251	8.0%
56-65	900	44,125	2.0%	423	15,403	2.7%	14	132	10.6%
66 and Over	627	47,335	1.3%	256	16,813	1.5%	5	202	2.5%
Not Stated	1,884	35,955	5.2%	499	7,881	6.3%	0	41	0.0%
Total	24,803	655,323	3.8%	11,837	227,542	5.2%	327	1,999	16.4%

TABLE 6.08
SUMMARY OF PERSONS KILLED IN CRASHES
BY AGE OF THE DRINKING DRIVER IN ERROR

WHO THE DRIVERS IN ERROR KILLED					
	Themselves	Their Passengers	Others	Total Deaths	% Alcohol Deaths
16	3	0	0	3	0.8%
17	3	3	0	6	1.6%
18	4	6	2	12	3.2%
19	10	7	2	19	5.1%
20	8	4	1	13	3.5%
16-20	28	20	5	53	14.2%
21	14	5	4	23	6.1%
22	9	3	3	15	4.0%
23	7	4	0	11	2.9%
24	9	7	0	16	4.3%
25	6	7	4	17	4.5%
21-25	45	26	11	82	21.9%
26-30	22	12	5	39	10.4%
31-35	32	11	8	51	13.6%
36-40	32	4	7	43	11.5%
41-45	17	4	4	25	6.7%
46-50	9	2	0	11	2.9%
51-55	5	0	3	8	2.1%
56-60	7	1	2	10	2.7%
61-65	4	0	2	6	1.6%
66-70	2	0	0	2	0.5%
71-75	2	0	0	2	0.5%
76 & Over	0	1	0	1	0.3%
26 & Over	132	35	31	198	52.9%
Total	205	81	47	333	89.0%
Note: Total alcohol-related deaths is 374, including deaths where driver error is not known.					

TABLE 6.09
SUMMARY OF PERSONS INJURED IN CRASHES
BY AGE OF THE DRINKING DRIVER IN ERROR

	WHO THE DRIVERS IN ERROR INJURED			Total Injured	% Alcohol Injuries
	Themselves	Their Passengers	Others		
16	76	65	31	172	0.9%
17	162	122	68	352	1.9%
18	289	185	114	588	3.1%
19	319	213	128	660	3.5%
20	316	169	101	586	3.1%
16-20	1,162	754	442	2,358	12.6%
21	400	135	177	712	3.8%
22	329	144	114	587	3.1%
23	305	135	95	535	2.8%
24	281	117	134	532	2.8%
25	297	105	142	544	2.9%
21-25	1,612	636	662	2,910	15.5%
26-30	1,215	380	613	2,208	11.8%
31-35	1,211	282	831	2,324	12.4%
36-40	1,156	262	775	2,193	11.7%
41-45	809	151	609	1,569	8.4%
46-50	445	68	399	912	4.9%
51-55	262	40	194	496	2.6%
56-60	161	25	138	324	1.7%
61-65	98	13	134	245	1.3%
66-70	70	13	93	176	0.9%
71-75	46	4	43	93	0.5%
76 & Over	43	10	53	106	0.6%
26 & Over	5,516	1,248	3,882	10,646	56.7%
Total	8,290	2,638	4,986	15,914	84.7%
Note: Total alcohol-related injuries is 18,783, including injuries where driver error is unknown.					

**TABLE 6.10
AGE OF PERSONS KILLED AND INJURED IN ALCOHOL-RELATED CRASHES**

Age Group	Killed	Incapacitating Injury	Visible Injury	Claimed Injury	Total Injuries	No Injury	Not Stated	Total
5 and Under	6	29	123	257	409	629	16	1,060
6-10	7	28	105	200	333	553	14	907
11-15	3	32	216	268	516	688	8	1,215
16-20	50	367	1,455	1,210	3,032	4,068	57	7,207
21-25	77	436	1,523	1,177	3,136	4,128	49	7,390
26-30	44	291	1,131	889	2,311	3,309	40	5,704
31-35	49	290	1,036	882	2,208	3,057	41	5,355
36-40	50	281	920	877	2,078	2,904	54	5,086
41-45	27	178	643	684	1,505	2,290	22	3,844
46-50	13	102	395	499	996	1,583	19	2,611
51-55	13	62	247	302	611	1,000	8	1,632
56-60	12	32	152	230	414	734	4	1,164
61-65	7	26	101	145	272	464	0	743
66-70	6	20	79	107	206	389	3	604
71-75	4	11	51	92	154	300	6	464
76 and Over	6	8	51	87	146	267	8	427
Not Stated	0	27	83	346	456	1,903	4,352	6,711
Total	374	2,220	8,311	8,252	18,783	28,266	4,701	52,124

Note: Totals include bicyclists.

**TABLE 6.11
DRINKING DRIVERS KILLED BY VEHICLE TYPE**

	1993	1994	1995	1996	1997	1998	Average
Cars	25.3%	21.5%	25.6%	22.0%	22.6%	22.5%	23.3%
Motorcycles	36.3%	31.9%	26.3%	34.9%	34.4%	24.3%	31.7%
Pickups	43.1%	29.7%	34.0%	26.9%	30.8%	31.4%	32.6%
Panel Trucks & Vans	16.7%	11.8%	35.0%	50.0%	3.7%	23.5%	21.5%
Heavy Trucks	3.4%	3.8%	0.0%	0.0%	0.0%	0.0%	1.4%
Other Vehicles	8.7%	28.0%	13.8%	12.5%	12.1%	3.4%	12.9%
All Vehicles	27.5%	23.0%	25.7%	23.8%	23.4%	22.8%	24.4%

**TABLE 6.12
YOUTHFUL DRIVERS IN ALCOHOL-RELATED CRASHES**

Age	Drivers in Crashes	Number Involved	Number In Error	Percent In Error
16	Drinking Drivers in Crashes	239	198	82.8%
	Drinking Drivers in Fatal Crashes	3	3	100.0%
	Drivers in Crashes	19,904	14,129	71.0%
	Drivers in Fatal Crashes	47	42	89.4%
17	Drinking Drivers in Crashes	443	382	86.2%
	Drinking Drivers in Fatal Crashes	6	6	100.0%
	Drivers in Crashes	24,339	15,537	63.8%
	Drivers in Fatal Crashes	58	40	69.0%
18	Drinking Drivers in Crashes	745	669	89.8%
	Drinking Drivers in Fatal Crashes	10	10	100.0%
	Drivers in Crashes	25,627	16,131	62.9%
	Drivers in Fatal Crashes	68	54	79.4%
19	Drinking Drivers in Crashes	803	723	90.0%
	Drinking Drivers in Fatal Crashes	14	14	100.0%
	Drivers in Crashes	21,757	13,019	59.8%
	Drivers in Fatal Crashes	72	53	73.6%
20	Drinking Drivers in Crashes	759	687	90.5%
	Drinking Drivers in Fatal Crashes	13	13	100.0%
	Drivers in Crashes	18,696	10,608	56.7%
	Drivers in Fatal Crashes	58	43	74.1%
21	Drinking Drivers in Crashes	1,049	947	90.3%
	Drinking Drivers in Fatal Crashes	22	21	95.5%
	Drivers in Crashes	17,219	9,533	55.4%
	Drivers in Fatal Crashes	59	46	78.0%
22	Drinking Drivers in Crashes	828	734	88.6%
	Drinking Drivers in Fatal Crashes	11	11	100.0%
	Drivers in Crashes	15,904	8,377	52.7%
	Drivers in Fatal Crashes	46	27	58.7%
23	Drinking Drivers in Crashes	789	688	87.2%
	Drinking Drivers in Fatal Crashes	11	11	100.0%
	Drivers in Crashes	15,149	7,839	51.7%
	Drivers in Fatal Crashes	38	30	78.9%
24	Drinking Drivers in Crashes	695	618	88.9%
	Drinking Drivers in Fatal Crashes	13	13	100.0%
	Drivers in Crashes	14,076	7,112	50.5%
	Drivers in Fatal Crashes	53	34	64.2%
Total 16-24	Drinking Drivers in Crashes	6,350	5,646	88.9%
	Drinking Drivers in Fatal Crashes	103	102	99.0%
	Drivers in Crashes	172,671	102,285	59.2%
	Drivers in Fatal Crashes	499	369	73.9%

CHAPTER 7

COUNTY STATISTICS

CHAPTER 7 COUNTY STATISTICS

TABLE 7.01 TOTAL CRASHES BY COUNTY

County Code	County Name	1998 Pop'n	Acc/1000 People	Total Crashes	Urban Crashes	Rural Crashes	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Loss x \$1,000
ADA	Adams County	28,587	37.08	1,060	112	948	7	360	693	7	700	\$47,380
ALL	Allen County	107,139	29.63	3,175	1,205	1,970	13	1,238	1,924	18	2,209	\$130,717
ASD	Ashland County	52,237	33.86	1,769	632	1,137	7	479	1,283	7	791	\$58,365
ATB	Ashtabula County	103,300	30.42	3,142	1,206	1,936	12	1,092	2,038	13	1,815	\$118,287
ATH	Athens County	61,490	32.53	2,000	675	1,325	6	517	1,477	7	820	\$59,175
AUG	Auglaize County	47,103	29.68	1,398	605	793	11	419	968	12	691	\$63,639
BEL	Belmont County	69,175	34.72	2,402	719	1,683	10	683	1,709	11	1,087	\$82,731
BRO	Brown County	40,795	32.55	1,328	115	1,213	7	443	878	7	780	\$54,022
BUT	Butler County	330,428	31.15	10,293	6,415	3,878	38	3,735	6,520	41	7,011	\$394,264
CAR	Carroll County	29,095	29.42	856	137	719	4	368	484	5	633	\$38,830
CHP	Champaign County	38,182	29.83	1,139	383	756	5	350	784	9	541	\$41,643
CLA	Clark County	145,341	30.77	4,472	2,303	2,169	13	1,578	2,881	13	2,597	\$158,824
CLE	Clermont County	175,960	34.11	6,002	434	5,568	20	2,058	3,924	24	3,571	\$216,178
CLI	Clinton County	39,979	42.70	1,707	609	1,098	8	492	1,207	9	877	\$61,656
COL	Columbiana County	111,521	25.70	2,866	965	1,901	17	1,076	1,773	18	1,953	\$129,590
COS	Coshocton County	36,115	36.02	1,301	446	855	13	318	970	14	526	\$62,024
CRA	Crawford County	47,217	28.25	1,334	663	671	7	408	919	7	645	\$51,757
CUY	Cuyahoga County	1,380,696	30.50	42,110	41,004	1,106	88	16,238	25,784	93	29,026	\$1,492,312
DAR	Darke County	54,180	27.56	1,493	507	986	9	456	1,028	12	747	\$61,053
DEF	Defiance County	39,824	43.09	1,716	861	855	6	524	1,186	7	862	\$58,355
DEL	Delaware County	92,209	31.88	2,940	817	2,123	19	848	2,073	19	1,324	\$120,426
ERI	Erie County	78,279	38.45	3,010	1,251	1,759	17	921	2,072	19	1,642	\$120,085
FAI	Fairfield County	123,998	29.48	3,655	1,734	1,921	22	1,269	2,364	24	2,202	\$159,374
FAY	Fayette County	28,493	37.83	1,078	370	708	13	330	735	18	521	\$61,807
FRA	Franklin County	1,021,194	38.15	38,957	33,778	5,179	83	12,738	26,136	94	20,879	\$1,235,281
FUL	Fulton County	41,895	31.79	1,332	448	884	12	367	953	14	642	\$62,655
GAL	Gallia County	33,422	43.68	1,460	289	1,171	2	414	1,044	2	721	\$39,124
GEA	Geauga County	88,788	26.81	2,380	235	2,145	9	845	1,526	10	1,403	\$90,524
GRE	Greene County	146,607	30.97	4,541	2,945	1,596	12	1,413	3,116	13	2,294	\$145,608
GUE	Guernsey County	40,994	33.15	1,359	201	1,158	9	363	987	9	556	\$54,359
HAM	Hamilton County	847,403	42.02	35,604	25,928	9,676	44	9,287	26,273	45	14,588	\$888,131
HAN	Hancock County	68,922	39.44	2,718	1,465	1,253	10	746	1,962	12	1,180	\$88,279
HAR	Hardin County	31,725	27.52	873	338	535	5	274	594	6	523	\$35,468
HAS	Harrison County	16,097	32.61	525	95	430	3	151	371	4	221	\$20,409
HEN	Henry County	29,923	25.06	750	241	509	6	258	486	7	433	\$36,585
HIG	Highland County	40,364	36.81	1,486	454	1,032	5	396	1,085	5	672	\$46,218
HOC	Hocking County	29,004	36.96	1,072	249	823	5	324	743	8	545	\$39,639
HOL	Holmes County	37,841	28.73	1,087	186	901	3	255	829	3	397	\$29,750
HUR	Huron County	60,293	29.74	1,793	779	1,014	13	531	1,249	17	851	\$78,190
JAC	Jackson County	32,563	46.80	1,524	443	1,081	7	412	1,105	7	712	\$52,874
JEF	Jefferson County	74,558	24.54	1,830	1,028	802	9	530	1,291	9	845	\$67,417
KNO	Knox County	53,309	39.47	2,104	745	1,359	12	475	1,617	12	724	\$73,203
LAK	Lake County	223,779	29.07	6,506	4,882	1,624	18	1,829	4,659	18	2,797	\$198,010

**TABLE 7.01
TOTAL CRASHES BY COUNTY
CONTINUED**

County Code	County Name	1998 Pop'n	Acc/1000 People	Total Crashes	Urban Crashes	Rural Crashes	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Loss x \$1,000
LAW	Lawrence County	64,427	27.47	1,770	395	1,375	6	581	1,183	6	1,046	\$62,332
LIC	Licking County	136,896	33.24	4,551	2,430	2,121	19	1,727	2,805	20	3,263	\$185,250
LOG	Logan County	46,204	35.00	1,617	427	1,190	5	437	1,175	5	675	\$49,493
LOR	Lorain County	282,149	28.11	7,930	5,351	2,579	30	2,969	4,931	31	5,318	\$311,710
LUC	Lucas County	448,542	43.76	19,629	16,616	3,013	42	6,304	13,283	45	10,947	\$615,420
MAD	Madison County	41,576	26.24	1,091	251	840	10	386	695	10	623	\$57,378
MAH	Mahoning County	255,165	31.19	7,959	3,206	4,753	27	3,214	4,718	30	5,964	\$319,732
MAR	Marion County	64,774	33.21	2,151	924	1,227	8	668	1,475	9	1,064	\$75,182
MED	Medina County	144,019	26.61	3,832	1,418	2,414	15	1,162	2,655	16	1,895	\$134,133
MEG	Meigs County	24,006	26.87	645	0	645	1	192	452	1	312	\$18,197
MER	Mercer County	41,198	22.72	936	348	588	11	293	632	11	505	\$53,307
MIA	Miami County	98,147	32.87	3,226	1,864	1,362	12	900	2,314	16	1,416	\$106,089
MOE	Monroe County	15,357	22.99	353	59	294	3	128	222	3	214	\$18,128
MOT	Montgomery County	558,427	30.75	17,169	12,203	4,966	54	6,227	10,888	59	10,630	\$631,928
MRG	Morgan County	14,536	34.88	507	0	507	2	205	300	2	372	\$21,146
MRW	Morrow County	31,467	33.81	1,064	87	977	6	282	776	7	458	\$39,570
MUS	Muskingum County	84,470	42.15	3,560	1,481	2,079	13	1,058	2,489	16	1,868	\$120,660
NOB	Noble County	12,343	42.05	519	0	519	1	128	390	1	195	\$13,438
OTT	Ottawa County	40,983	29.06	1,191	278	913	5	372	814	6	604	\$43,318
PAU	Paulding County	20,078	24.85	499	0	499	8	165	326	11	283	\$34,801
PER	Perry County	34,290	30.07	1,031	123	908	6	293	732	9	444	\$40,142
PIC	Pickaway County	53,731	33.87	1,820	458	1,362	7	484	1,329	7	771	\$58,922
PIK	Pike County	27,775	38.67	1,074	199	875	11	318	745	16	551	\$55,566
POR	Portage County	151,222	30.89	4,672	2,131	2,541	23	1,602	3,047	26	2,639	\$188,481
PRE	Preble County	43,226	27.83	1,203	251	952	13	361	829	14	585	\$64,400
PUT	Putnam County	35,255	17.87	630	116	514	7	224	399	7	402	\$36,537
RIC	Richland County	127,342	35.02	4,459	2,415	2,044	19	1,292	3,148	21	2,057	\$156,343
ROS	Ross County	75,473	41.35	3,121	991	2,130	20	933	2,168	22	1,481	\$129,526
SAN	Sandusky County	62,216	37.08	2,307	1,011	1,296	20	657	1,630	22	1,031	\$107,785
SCI	Scioto County	80,355	38.18	3,068	1,263	1,805	11	939	2,118	13	1,580	\$105,214
SEN	Seneca County	60,099	32.36	1,945	924	1,021	11	624	1,310	12	1,052	\$79,528
SHE	Shelby County	47,457	36.48	1,731	706	1,025	11	486	1,234	11	773	\$69,526
STA	Stark County	373,112	34.64	12,924	6,240	6,684	40	4,173	8,711	41	7,132	\$440,230
SUM	Summit County	537,730	36.10	19,414	16,219	3,195	40	6,842	12,532	46	12,116	\$644,254
TRU	Trumbull County	225,066	29.25	6,583	2,508	4,075	37	2,790	3,756	39	5,458	\$312,953
TUS	Tuscarawas County	88,608	34.33	3,042	1,270	1,772	19	955	2,068	19	1,584	\$127,893
UNI	Union County	39,494	31.80	1,256	334	922	5	369	882	5	598	\$43,414
VAN	Van Wert County	30,200	26.85	811	429	382	3	248	560	3	367	\$28,049
VIN	Vinton County	12,158	43.43	528	0	528	4	161	363	4	272	\$23,796
WAR	Warren County	146,033	30.99	4,525	1,726	2,799	14	1,383	3,128	15	2,391	\$149,008
WAS	Washington County	63,413	33.79	2,143	883	1,260	9	588	1,546	9	912	\$72,624
WAY	Wayne County	110,125	28.99	3,192	1,113	2,079	15	1,067	2,110	16	1,759	\$125,030
WIL	Williams County	38,001	37.66	1,431	390	1,041	9	338	1,084	10	571	\$53,045
WOO	Wood County	119,498	32.77	3,916	1,934	1,982	14	1,243	2,659	17	2,104	\$137,098
WYA	Wyandot County	22,826	32.77	748	258	490	5	209	534	5	370	\$30,648
State of Ohio		11,209,493	33.71	377,920	230,127	147,793	1,290	123,785	252,845	1,423	211,206	\$13,315,423

**TABLE 7.02
ALCOHOL-RELATED CRASHES BY COUNTY**

County Code	County Name	1998 Pop'n	Acc/1000 People	Total Crashes	Urban Crashes	Rural Crashes	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Loss x \$1,000
ADA	Adams County	28,587	2.45	70	11	59	3	45	22	3	80	\$11,418
ALL	Allen County	107,139	1.91	205	106	99	1	112	92	1	176	\$10,977
ASD	Ashland County	52,237	2.11	110	25	85	2	44	64	2	69	\$8,814
ATB	Ashtabula County	103,300	2.98	308	107	201	3	171	134	3	248	\$20,742
ATH	Athens County	61,490	2.23	137	39	98	3	68	66	4	105	\$13,226
AUG	Auglaize County	47,103	1.55	73	24	49	2	39	32	2	51	\$8,320
BEL	Belmont County	69,175	3.27	226	50	176	1	107	118	1	146	\$10,744
BRO	Brown County	40,795	2.92	119	9	110	2	63	54	2	100	\$10,099
BUT	Butler County	330,428	2.11	698	441	257	14	357	327	16	596	\$64,584
CAR	Carroll County	29,095	2.34	68	12	56	2	37	29	3	59	\$8,167
CHP	Champaign County	38,182	2.12	81	34	47	1	39	41	2	63	\$5,638
CLA	Clark County	145,341	2.55	371	188	183	7	186	178	7	305	\$32,882
CLE	Clermont County	175,960	2.47	435	20	415	2	241	192	2	378	\$23,180
CLI	Clinton County	39,979	1.90	76	27	49	5	34	37	5	53	\$16,162
COL	Columbiana County	111,521	2.05	229	42	187	4	124	101	4	188	\$20,027
COS	Coshocton County	36,115	1.52	55	16	39	5	27	23	5	40	\$15,609
CRA	Crawford County	47,217	1.65	78	29	49	3	33	42	3	45	\$10,668
CUY	Cuyahoga County	1,380,696	1.99	2,741	2,662	79	18	1,416	1,307	19	2,491	\$154,016
DAR	Darke County	54,180	1.70	92	19	73	2	42	48	4	71	\$8,602
DEF	Defiance County	39,824	2.69	107	34	73	2	53	52	2	84	\$9,390
DEL	Delaware County	92,209	1.85	171	38	133	7	72	92	7	113	\$24,515
ERI	Erie County	78,279	2.45	192	93	99	3	73	116	3	103	\$13,801
FAI	Fairfield County	123,998	1.69	210	80	130	5	115	90	5	182	\$22,070
FAY	Fayette County	28,493	2.91	83	27	56	4	35	44	6	60	\$13,540
FRA	Franklin County	1,021,194	1.69	1,721	1,424	297	25	852	844	29	1,348	\$131,513
FUL	Fulton County	41,895	2.22	93	22	71	4	47	42	4	78	\$14,371
GAL	Gallia County	33,422	2.81	94	15	79	0	50	44	0	78	\$3,698
GEA	Geauga County	88,788	2.25	200	5	195	2	91	107	2	141	\$12,298
GRE	Greene County	146,607	2.52	369	262	107	2	155	212	2	233	\$17,250
GUE	Guernsey County	40,994	2.41	99	13	86	3	52	44	3	71	\$12,007
HAM	Hamilton County	847,403	2.14	1,817	1,416	401	14	698	1,105	14	1,107	\$91,955
HAN	Hancock County	68,922	2.25	155	73	82	2	74	79	3	109	\$10,982
HAR	Hardin County	31,725	2.30	73	31	42	1	28	44	1	51	\$4,881
HAS	Harrison County	16,097	2.55	41	8	33	0	23	18	0	32	\$1,691
HEN	Henry County	29,923	1.70	51	6	45	2	26	23	2	36	\$7,370
HIG	Highland County	40,364	2.73	110	29	81	2	56	52	2	92	\$9,600
HOC	Hocking County	29,004	2.62	76	16	60	3	43	30	6	68	\$11,314
HOL	Holmes County	37,841	1.32	50	4	46	0	24	26	0	32	\$1,797
HUR	Huron County	60,293	1.81	109	40	69	1	44	64	1	59	\$6,091
JAC	Jackson County	32,563	2.73	89	21	68	1	49	39	1	95	\$6,329
JEF	Jefferson County	74,558	1.68	125	35	90	4	58	63	4	86	\$15,236
KNO	Knox County	53,309	1.99	106	29	77	3	41	62	3	68	\$11,318
LAK	Lake County	223,779	1.69	378	277	101	3	162	213	3	245	\$20,468
LAW	Lawrence County	64,427	1.91	123	28	95	0	62	61	0	104	\$4,615
LIC	Licking County	136,896	2.34	321	147	174	4	154	163	4	240	\$22,406
LOG	Logan County	46,204	2.03	94	26	68	1	47	46	1	68	\$6,220
LOR	Lorain County	282,149	2.24	633	372	261	11	321	301	12	520	\$53,778

TABLE 7.02
ALCOHOL-RELATED CRASHES BY COUNTY
Continued

County Code	County Name	1998 Pop'n	Acc/1000 People	Total Crashes	Urban Crashes	Rural Crashes	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Loss x \$1,000
LUC	Lucas County	448,542	3.05	1,367	1,131	236	12	532	823	12	881	\$73,620
MAD	Madison County	41,576	1.95	81	11	70	2	44	35	2	66	\$8,684
MAH	Mahoning County	255,165	1.96	499	187	312	4	283	212	6	464	\$31,656
MAR	Marion County	64,774	2.18	141	53	88	2	71	68	3	99	\$10,722
MED	Medina County	144,019	1.63	235	54	181	6	105	124	7	152	\$24,246
MEG	Meigs County	24,006	1.83	44	0	44	1	25	18	1	38	\$4,554
MER	Mercer County	41,198	2.09	86	18	68	3	46	37	3	74	\$11,556
MIA	Miami County	98,147	2.23	219	108	111	6	85	128	6	127	\$22,864
MOE	Monroe County	15,357	3.00	46	3	43	1	29	16	1	47	\$4,825
MOT	Montgomery County	558,427	1.84	1,027	688	339	12	518	497	12	880	\$71,173
MRG	Morgan County	14,536	3.03	44	0	44	1	20	23	1	33	\$4,227
MRW	Morrow County	31,467	2.16	68	1	67	1	35	32	1	51	\$5,317
MUS	Muskingum County	84,470	3.10	262	91	171	4	133	125	6	209	\$20,765
NOB	Noble County	12,343	3.16	39	0	39	1	19	19	1	24	\$4,139
OTT	Ottawa County	40,983	2.71	111	16	95	1	68	42	1	99	\$7,672
PAU	Paulding County	20,078	2.04	41	0	41	1	22	18	1	32	\$4,344
PER	Perry County	34,290	3.09	106	6	100	1	53	52	2	72	\$6,667
PIC	Pickaway County	53,731	1.97	106	16	90	1	40	65	1	63	\$5,816
PIK	Pike County	27,775	3.20	89	7	82	2	46	41	2	64	\$8,851
POR	Portage County	151,222	2.43	367	109	258	6	195	166	6	287	\$30,735
PRE	Preble County	43,226	2.36	102	14	88	3	46	53	4	66	\$11,628
PUT	Putnam County	35,255	1.73	61	11	50	3	29	29	3	48	\$10,330
RIC	Richland County	127,342	2.43	309	134	175	3	138	168	3	218	\$18,585
ROS	Ross County	75,473	3.09	233	68	165	7	104	122	8	167	\$26,890
SAN	Sandusky County	62,216	2.59	161	61	100	2	85	74	2	132	\$11,729
SCI	Scioto County	80,355	2.80	225	67	158	2	108	115	2	176	\$13,524
SEN	Seneca County	60,099	2.11	127	48	79	3	73	51	4	119	\$13,509
SHE	Shelby County	47,457	2.55	121	45	76	1	50	70	1	69	\$6,538
STA	Stark County	373,112	2.40	895	463	432	12	404	479	12	653	\$63,112
SUM	Summit County	537,730	2.19	1,179	968	211	14	594	571	14	964	\$82,272
TRU	Trumbull County	225,066	2.51	564	189	375	10	334	220	10	559	\$51,600
TUS	Tuscarawas County	88,608	2.16	191	50	141	10	107	74	10	164	\$35,053
UNI	Union County	39,494	1.52	60	7	53	2	26	32	2	33	\$7,410
VAN	Van Wert County	30,200	1.32	40	15	25	1	19	20	1	29	\$4,143
VIN	Vinton County	12,158	3.29	40	0	40	0	19	21	0	37	\$1,425
WAR	Warren County	146,033	2.14	312	97	215	6	153	153	6	267	\$27,737
WAS	Washington County	63,413	2.03	129	34	95	1	71	57	1	102	\$7,950
WAY	Wayne County	110,125	1.76	194	40	154	3	88	103	3	143	\$14,793
WIL	Williams County	38,001	1.79	68	15	53	1	40	27	1	60	\$5,645
WOO	Wood County	119,498	2.40	287	119	168	3	141	143	4	206	\$18,683
WYA	Wyandot County	22,826	1.80	41	15	26	0	23	18	0	42	\$1,691
	State of Ohio	11,209,493	2.16	24,179	13,391	10,788	344	11,711	12,124	374	18,783	\$1,811,040

CHAPTER 8

CITY STATISTICS

CHAPTER 8 CITY STATISTICS

**TABLE 8.01
TOTAL CRASHES BY CITY**

County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes
State of Ohio		11,209,493	33.71	1,290	123,785	252,845	1,423	211,206	377,920
City Population: 50,000 and Over									
County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes
SUM	Akron	215,712	42.89	21	3,544	5,686	22	6,609	9,251
STA	Canton	79,259	47.02	2	1,130	2,595	2	1,853	3,727
HAM	Cincinnati	336,400	52.05	18	3,889	13,601	19	5,557	17,508
CUY	Cleveland	495,817	41.20	40	8,564	11,824	41	16,022	20,428
CUY	Cleveland Heights	53,533	14.57	0	351	429	0	816	780
FRA	Columbus	670,234	40.79	48	8,995	18,294	56	14,739	27,337
MOT	Dayton	167,475	36.65	18	2,379	3,741	19	4,152	6,138
LOR	Elyria	56,278	35.29	4	541	1,441	4	817	1,986
CUY	Euclid	50,644	19.88	5	296	706	5	408	1,007
BUT	Hamilton	61,808	38.75	4	1,104	1,287	4	2,417	2,395
MOT	Kettering	57,205	21.27	1	383	833	1	592	1,217
CUY	Lakewood	55,682	16.20	1	295	606	1	415	902
LOR	Lorain	68,857	23.09	2	911	677	3	1,917	1,590
CUY	Parma	83,347	16.52	6	525	846	7	879	1,377
CLA	Springfield	65,568	33.84	2	834	1,383	2	1,314	2,219
LUC	Toledo	312,174	46.54	30	4,674	9,826	30	8,272	14,530
MAH	Youngstown	84,650	32.32	8	1,377	1,351	10	2,897	2,736
City Population: 25,000 to 49,999									
County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes
SUM	Barberton	27,097	29.49	2	361	436	2	666	799
GRE	Beavercreek	40,014	34.49	3	389	988	3	596	1,380
WOO	Bowling Green	28,200	30.60	0	228	635	0	421	863
MED	Brunswick	32,634	12.32	0	127	275	0	200	402
SUM	Cuyahoga Falls	49,913	31.35	1	422	1,142	1	638	1,565
FRA	Dublin	25,506	33.09	1	237	606	1	382	844
CUY	East Cleveland	29,937	21.31	1	385	252	1	763	638
GRE	Fairborn	31,390	26.60	0	264	571	0	451	835
BUT	Fairfield	41,765	34.50	4	441	996	4	690	1,441
HAN	Findlay	37,132	37.78	2	373	1,028	2	594	1,403
FRA	Gahanna	31,579	17.80	1	197	364	2	318	562
CUY	Garfield Heights	29,160	28.12	0	251	569	0	359	820
MOT	Huber Heights	36,997	28.38	1	301	748	1	479	1,050
POR	Kent	26,833	30.71	2	240	582	2	350	824
FAI	Lancaster	37,701	37.77	3	447	974	4	698	1,424
ALL	Lima	42,382	23.90	4	529	480	4	929	1,013
RIC	Mansfield	49,802	35.42	1	519	1,244	1	821	1,764
CUY	Maple Heights	25,302	21.22	0	151	386	0	246	537
MAR	Marion	32,281	28.62	1	256	667	1	370	924
STA	Massillon	30,894	30.78	1	320	630	1	550	951
LAK	Mentor	49,227	39.31	2	477	1,456	2	663	1,935

**TABLE 8.01
TOTAL CRASHES BY CITY
Continued**

City Population: 25,000 to 49,999									
County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes
BUT	Middletown	48,590	39.47	6	749	1,163	6	1,470	1,918
LIC	Newark	48,245	32.46	1	768	797	1	1,631	1,566
CUY	North Olmsted	33,546	24.47	2	275	544	2	423	821
CUY	North Royalton	25,016	22.39	3	145	412	4	232	560
FRA	Reynoldsburg	29,473	19.65	1	156	422	1	231	579
ERI	Sandusky	28,223	35.93	2	255	757	2	392	1,014
CUY	Shaker Heights	28,116	30.77	0	267	598	0	401	865
SUM	Stow	31,357	26.69	0	215	622	0	314	837
CUY	Strongsville	41,304	27.16	3	372	747	3	582	1,122
MOT	Trotwood	27,964	23.67	0	255	407	0	476	662
FRA	Upper Arlington	31,699	16.75	1	138	392	1	206	531
TRU	Warren	46,866	25.86	5	585	622	5	1,343	1,212
FRA	Westerville	33,437	23.30	1	197	581	1	277	779
CUY	Westlake	29,740	24.78	1	241	495	1	383	737
MUS	Zanesville	26,831	52.85	3	424	991	3	792	1,418
City Population: 10,000 to 24,999									
County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes
STA	Alliance	22,448	37.06	2	341	489	2	721	832
LOR	Amherst	11,364	28.78	3	118	206	3	199	327
ASD	Ashland	21,521	25.46	1	139	408	1	213	548
ATB	Ashtabula	21,472	30.27	0	238	412	0	439	650
ATH	Athens	21,706	21.51	1	113	353	1	149	467
POR	Aurora	11,530	27.75	0	71	249	0	138	320
LOR	Avon	10,615	32.41	2	116	226	2	176	344
LOR	Avon Lake	17,171	11.01	0	60	129	0	111	189
CUY	Bay Village	15,859	10.85	0	51	121	0	77	172
CUY	Beachwood	10,955	53.04	0	194	387	0	326	581
CUY	Bedford	13,800	28.19	1	139	249	1	202	389
CUY	Bedford Heights	11,471	39.23	1	154	295	1	243	450
LOG	Bellefontaine	13,037	32.75	0	102	325	0	148	427
CUY	Berea	18,380	20.95	1	112	272	1	176	385
FRA	Bexley	12,216	31.84	0	94	295	0	142	389
HAM	Blue Ash	12,374	59.32	0	193	541	0	320	734
CUY	Brecksville	12,623	20.12	1	96	157	1	181	254
CUY	Broadview Heights	14,187	23.47	2	103	228	2	178	333
CUY	Brook Park	22,084	22.78	1	240	262	1	436	503
CUY	Brooklyn	11,462	27.57	0	224	92	0	493	316
CRA	Bucyrus	13,192	26.23	0	97	249	0	141	346
GUE	Cambridge	11,791	13.99	0	37	128	0	60	165
MER	Celina	10,615	26.47	0	63	218	0	102	281
MOT	Centerville	23,035	22.31	2	166	346	3	255	514
ROS	Chillicothe	22,275	44.49	1	232	758	1	324	991
PIC	Circleville	12,107	37.58	1	98	356	1	130	455
ATB	Conneaut	12,836	20.57	1	98	165	2	214	264
COS	Coshocton	12,183	36.61	1	126	319	1	230	446
DEF	Defiance	16,458	46.97	0	198	575	0	308	773
DEL	Delaware	18,962	35.81	1	157	521	1	261	679

TOTAL CRASHES BY CITY
Continued

City Population: 10,000 to 24,999									
County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes
TUS	Dover	11,844	32.84	0	125	264	0	231	389
COL	East Liverpool	13,151	33.00	0	189	245	0	367	434
LAK	Eastlake	20,976	22.84	4	125	350	4	187	479
MOT	Englewood	11,870	29.49	1	101	248	1	160	350
HAM	Forest Park	19,442	28.39	1	208	343	1	404	552
SEN	Fostoria	14,379	26.78	2	172	211	4	345	385
WAR	Franklin	11,664	30.86	0	93	267	0	142	360
SAN	Fremont	17,010	44.09	1	172	577	1	242	750
CRA	Galion	11,396	19.22	0	46	173	0	61	219
TRU	Girard	10,872	26.21	0	136	149	0	319	285
SUM	Green	21,975	37.54	1	231	593	1	352	825
DAR	Greenville	13,099	38.71	0	119	388	0	168	507
FRA	Grove City	18,938	21.86	0	134	280	0	206	414
FRA	Hilliard	19,934	28.54	3	151	415	3	227	569
SUM	Hudson	21,226	27.18	3	237	337	3	465	577
LAW	Ironton	12,724	29.24	0	81	291	0	131	372
ATB	Lakeville	12,836	0.00	0	0	0	0	0	0
WAR	Lebanon	13,802	32.82	2	113	338	2	188	453
HAM	Loveland	11,780	15.79	0	50	136	0	84	186
CUY	Lyndhurst	15,109	31.04	0	155	314	0	237	469
WAS	Marietta	14,857	42.14	2	137	487	2	202	626
UNI	Marysville	13,010	24.60	0	126	194	0	267	320
WAR	Mason	18,850	23.71	0	133	314	0	221	447
LUC	Maumee	14,955	51.76	0	208	566	0	291	774
CUY	Mayfield Heights	18,519	29.32	2	153	388	2	257	543
MED	Medina	22,928	26.39	0	179	426	0	307	605
MOT	Miamisburg	18,304	30.27	1	159	394	1	250	554
CUY	Middleburg Heights	14,877	56.93	1	248	598	1	393	847
KNO	Mount Vernon	14,973	49.09	1	149	585	1	218	735
TUS	New Philadelphia	16,615	43.70	1	230	495	1	390	726
TRU	Niles	20,593	25.11	1	275	241	1	559	517
STA	North Canton	15,601	26.28	0	107	303	0	150	410
HAM	North College Hill	10,363	23.35	0	88	154	0	150	242
LOR	North Ridgeville	23,411	21.19	3	142	351	3	212	496
SUM	Norton	12,077	35.69	1	189	241	1	339	431
HUR	Norwalk	15,694	29.88	0	117	352	0	181	469
HAM	Norwood	21,450	42.84	3	261	655	3	461	919
LUC	Oregon	19,136	34.12	1	222	430	1	357	653
BUT	Oxford	18,789	18.89	1	112	242	1	212	355
LAK	Painesville	15,896	27.43	1	112	323	1	146	436
CUY	Parma Heights	20,624	22.69	1	169	298	1	285	468
WOO	Perrysburg	14,411	35.67	0	146	368	0	227	514
MIA	Piqua	19,810	36.19	0	194	523	0	284	717
SCI	Portsmouth	22,213	49.03	1	284	804	1	441	1,089
POR	Ravenna	11,961	36.12	0	144	288	0	268	432
HAM	Reading	11,488	28.03	0	80	242	0	111	322
CUY	Riveredge Township	16,897	15.15	0	90	166	0	159	256

**TABLE 8.01
TOTAL CRASHES BY CITY
Continued**

City Population: 10,000 to 24,999									
County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes
CUY	Rocky River	19,506	21.43	0	145	273	0	265	418
COL	Salem	11,894	20.26	1	94	146	1	231	241
CUY	Seven Hills	12,276	11.65	0	49	94	0	79	143
HAM	Sharonville	13,870	81.90	2	257	877	2	381	1,136
SHE	Sidney	19,197	36.78	2	187	517	2	294	706
CUY	Solon	20,017	30.17	2	204	398	2	305	604
CUY	South Euclid	22,355	23.53	2	140	384	2	204	526
WAR	Springboro	10,520	25.95	0	144	129	0	313	273
HAM	Springdale	10,081	103.07	0	323	716	0	520	1,039
JEF	Steubenville	20,224	40.30	2	229	584	2	366	815
POR	Streetsboro	11,996	43.35	2	169	349	2	272	520
MAH	Struthers	12,342	14.75	0	63	119	0	92	182
LUC	Sylvania	17,664	26.44	2	151	314	2	228	467
SUM	Tallmadge	16,054	24.85	0	130	269	0	206	399
SEN	Tiffin	18,007	34.60	0	129	494	0	173	623
MIA	Troy	21,672	35.62	0	148	624	0	212	772
SUM	Twinsburg	15,179	27.21	0	98	315	0	151	413
CUY	University Heights	13,409	17.97	0	79	162	0	143	241
CHP	Urbana	11,142	34.37	0	113	270	0	186	383
VAN	Van Wert	10,608	35.73	0	101	278	0	137	379
MOT	Vandalia	14,021	26.03	2	123	240	2	205	365
LOR	Vermilion	11,344	17.89	0	52	151	0	86	203
MED	Wadsworth	17,567	21.29	0	93	281	0	139	374
CUY	Warrensville Heights	14,822	29.15	0	222	210	0	462	432
FAY	Washington	13,283	27.86	0	94	276	0	143	370
MOT	West Carrollton	13,709	29.32	2	96	304	2	137	402
FRA	Whitehall	19,237	29.79	0	214	359	0	334	573
LAK	Wickliffe	13,953	25.66	0	144	214	0	204	358
LAK	Willoughby	21,494	36.34	0	218	563	0	318	781
LAK	Willowick	14,448	16.33	0	75	161	0	125	236
CLI	Wilmington	11,866	40.70	0	119	364	0	215	483
WAY	Wooster	23,609	34.31	1	229	580	1	369	810
FRA	Worthington	14,103	37.94	0	178	357	0	252	535
GRE	Xenia	24,994	23.13	0	166	412	0	254	578
City Population: 5,000 to 9,999									
County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes
HAR	Ada	5,524	18.10	0	23	77	0	31	100
BEL	Bellaire	5,603	31.23	0	62	113	0	120	175
GRE	Bellbrook	7,033	7.54	0	12	41	0	20	53
HUR	Bellevue	8,051	27.08	0	61	157	0	104	218
WAS	Belpre	7,016	36.63	0	79	178	0	119	257
WIL	Bryan	8,510	36.78	0	89	224	0	151	313
MAH	Campbell	9,246	13.09	0	53	68	0	96	121
MAH	Canfield	5,459	17.95	0	20	78	0	40	98
WAR	Carlisle	5,057	8.31	0	11	31	0	24	42
GEA	Chardon	5,010	41.72	0	52	157	0	84	209
HAM	Cheviot	8,863	25.16	1	104	118	1	235	223

**TABLE 8.01
TOTAL CRASHES BY CITY
Continued**

City Population: 5,000 to 9,999									
County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes
SAN	Clyde	5,990	22.37	1	34	99	1	58	134
COL	Columbiana	6,868	19.07	0	34	97	0	56	131
TRU	Cortland	6,396	19.07	0	57	65	0	109	122
HAM	Deer Park	5,675	21.15	0	36	84	0	58	120
ALL	Delphos	6,800	21.76	0	32	116	0	50	148
COL	East Palestine	5,255	19.41	0	33	69	0	54	102
PRE	Eaton	7,827	30.15	2	71	163	2	132	236
SUM	Fairlawn	6,327	64.96	0	124	287	0	194	411
GAL	Gallipolis	5,045	57.28	0	78	211	0	148	289
ATB	Geneva	6,883	24.84	0	59	112	0	101	171
FRA	Grandview Heights	6,559	30.04	0	42	155	0	57	197
HIG	Greenfield	5,586	15.22	0	20	65	0	27	85
HAM	Harrison	9,566	29.69	1	69	214	1	102	284
LIC	Heath	8,332	57.73	0	143	338	0	311	481
CUY	Highland Heights	7,144	31.91	0	68	160	0	96	228
HIG	Hillsboro	7,350	50.20	1	88	280	1	144	369
TRU	Hubbard	8,078	17.33	1	52	87	1	89	140
ERI	Huron	7,279	16.62	0	33	88	0	61	121
CUY	Independence	6,690	88.79	1	181	412	1	280	594
HAM	Indian Hill	5,355	34.55	0	42	143	0	60	185
JAC	Jackson	5,999	41.17	0	77	170	0	133	247
HAR	Kenton	8,345	28.52	0	98	140	0	219	238
LAK	Kirtland	6,538	25.70	0	64	104	0	138	168
HOC	Logan	7,604	32.75	0	68	181	0	152	249
MAD	London	8,507	18.69	0	44	115	0	70	159
STA	Louisville	8,381	16.47	0	33	105	0	57	138
SUM	Macedonia	9,191	48.31	2	174	268	3	318	444
HAM	Madeira	8,754	21.93	1	44	147	1	71	192
BEL	Martins Ferry	7,447	37.73	0	58	223	0	92	281
LAK	Mentor-on-the-Lake	8,509	9.17	0	25	53	0	56	78
CLE	Milford	5,978	31.11	0	50	136	0	68	186
BUT	Monroe	6,270	39.39	0	79	168	0	130	247
HAM	Montgomery	9,645	56.30	0	143	400	0	208	543
MOT	Moraine	7,568	72.15	2	161	383	2	233	546
HAM	Mount Healthy	7,028	31.87	0	66	158	0	109	224
SUM	Munroe Falls	5,466	14.09	0	28	49	0	47	77
HEN	Napoleon	9,189	26.23	1	59	181	1	90	241
CLA	New Carlisle	6,157	12.99	0	28	52	0	55	80
PER	New Lexington	5,391	22.26	0	22	98	0	29	120
WOO	Northwood	5,915	43.96	0	80	180	0	114	260
MOT	Oakwood	8,343	15.34	0	27	101	0	43	128
LOR	Oberlin	7,787	15.03	1	43	73	1	75	117
CUY	Olmsted Falls	7,334	20.32	1	50	98	1	82	149
WAY	Orrville	8,227	22.61	0	65	121	0	122	186
CUY	Pepper Pike	6,105	44.23	0	139	131	0	291	270
FAI	Pickerington	8,927	28.68	1	112	143	1	247	256
OTT	Port Clinton	7,123	28.78	1	46	158	1	78	205
CUY	Richmond Heights	9,520	22.48	0	63	151	0	101	214
WAY	Rittman	6,568	12.79	0	21	63	0	44	84

**TABLE 8.01
TOTAL CRASHES BY CITY
Continued**

City Population: 5,000 to 9,999										
County			Crash	Fatal	Injury	PDO				Total
Code	City Name	Population	Rate	Crashes	Crashes	Crashes	Deaths	Injuries	Crashes	
WOO	Rossford	6,015	30.09	0	69	112	0	135		181
BEL	Saint Clairsville	5,196	17.71	0	34	58	0	66		92
AUG	Saint Marys	8,373	31.41	1	65	197	1	121		263
LOR	Sheffield Lake	9,915	10.19	0	38	63	0	75		101
RIC	Shelby	9,449	24.87	0	64	171	0	109		235
HAM	Silverton	5,598	31.44	0	51	125	0	97		176
MIA	Tipp City	6,308	33.77	0	68	145	0	111		213
JEF	Toronto	5,662	13.78	1	27	50	1	49		78
BUT	Trenton	7,712	14.52	0	21	91	0	40		112
TUS	Uhrichsville	5,662	23.14	0	36	95	0	58		131
MOT	Union	5,946	6.39	0	14	24	0	23		38
WYA	Upper Sandusky	5,992	29.54	0	37	140	0	63		177
AUG	Wapakoneta	9,317	31.23	0	67	224	0	110		291
FUL	Wauseon	6,944	31.25	0	56	161	0	95		217
JAC	Wellston	7,326	26.75	0	52	144	0	93		196
HUR	Willard	6,652	22.55	1	41	108	1	62		150
LAK	Willoughby Hills	8,832	36.01	3	86	229	3	129		318
HAM	Wyoming	7,425	14.28	0	37	69	0	53		106

**TABLE 8.02
ALCOHOL-RELATED CRASHES BY CITY**

County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes
	State of Ohio	11,209,493	2.16	344	11,711	12,124	374	18,783	24,179
City Population: 50,000 and Over									
County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes
SUM	Akron	215,712	2.84	10	300	303	10	523	613
STA	Canton	79,259	4.06	1	124	197	1	166	322
HAM	Cincinnati	336,400	2.93	3	328	655	3	505	986
CUY	Cleveland	495,817	3.15	5	867	688	5	1,618	1,560
CUY	Cleveland Heights	53,533	0.65	0	18	17	0	31	35
FRA	Columbus	670,234	1.63	16	541	536	19	869	1,093
MOT	Dayton	167,475	1.85	4	184	121	4	312	309
LOR	Elyria	56,278	1.97	2	44	65	2	71	111
CUY	Euclid	50,644	1.18	1	25	34	1	30	60
BUT	Hamilton	61,808	3.19	2	109	86	2	205	197
MOT	Kettering	57,205	1.21	0	24	45	0	38	69
CUY	Lakewood	55,682	1.38	1	26	50	1	35	77
LOR	Lorain	68,857	1.89	1	92	37	2	171	130
CUY	Parma	83,347	0.76	0	29	34	0	50	63
CLA	Springfield	65,568	2.75	2	96	82	2	154	180
LUC	Toledo	312,174	3.32	11	388	636	11	658	1,035
MAH	Youngstown	84,650	1.82	2	102	50	4	204	154

TABLE 8.02
ALCOHOL CRASHES BY CITY
Continued

City Population: 25,000 to 49,999									
County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes
SUM	Barberton	27,097	1.96	1	27	25	1	40	53
GRE	Beavercreek	40,014	3.42	1	51	85	1	67	137
WOO	Bowling Green	28,200	2.13	0	24	36	0	44	60
MED	Brunswick	32,634	0.61	0	9	11	0	11	20
SUM	Cuyahoga Falls	49,913	1.50	0	36	39	0	50	75
FRA	Dublin	25,506	1.18	0	15	15	0	20	30
CUY	East Cleveland	29,937	1.64	0	29	20	0	58	49
GRE	Fairborn	31,390	2.52	0	23	56	0	37	79
BUT	Fairfield	41,765	1.56	2	32	31	2	60	65
HAN	Findlay	37,132	1.94	1	30	41	1	46	72
FRA	Gahanna	31,579	1.14	0	20	16	0	27	36
CUY	Garfield Heights	29,160	1.65	0	10	38	0	13	48
MOT	Huber Heights	36,997	1.46	0	24	30	0	38	54
POR	Kent	26,833	1.68	1	22	22	1	29	45
FAI	Lancaster	37,701	1.75	1	30	35	1	51	66
ALL	Lima	42,382	2.31	1	58	39	1	94	98
RIC	Mansfield	49,802	2.23	0	41	70	0	68	111
CUY	Maple Heights	25,302	0.95	0	9	15	0	11	24
MAR	Marion	32,281	1.64	0	23	30	0	24	53
STA	Massillon	30,894	2.17	0	26	41	0	41	67
LAK	Mentor	49,227	1.40	0	25	44	0	33	69
BUT	Middletown	48,590	2.59	1	64	61	1	116	126
LIC	Newark	48,245	2.05	0	49	50	0	82	99
CUY	North Olmsted	33,546	1.28	0	23	20	0	33	43
CUY	North Royalton	25,016	1.36	2	15	17	3	24	34
FRA	Reynoldsburg	29,473	0.92	0	13	14	0	22	27
ERI	Sandusky	28,223	2.73	0	17	60	0	20	77
CUY	Shaker Heights	28,116	0.71	0	8	12	0	11	20
SUM	Stow	31,357	1.05	0	10	23	0	14	33
CUY	Strongsville	41,304	1.69	3	28	39	3	51	70
MOT	Trotwood	27,964	1.18	0	17	16	0	30	33
FRA	Upper Arlington	31,699	1.10	0	13	22	0	20	35
TRU	Warren	46,866	2.28	1	63	43	1	136	107
FRA	Westerville	33,437	1.08	0	14	22	0	17	36
CUY	Westlake	29,740	1.65	0	22	27	0	32	49
MUS	Zanesville	26,831	3.32	1	38	50	1	62	89

TABLE 8.02
ALCOHOL CRASHES BY CITY
Continued

City Population: 10,000 to 24,999										
County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes	
STA	Alliance	22,448	2.18	1	26	22	1	54	49	
LOR	Amherst	11,364	2.02	2	14	7	2	18	23	
ASD	Ashland	21,521	0.93	0	4	16	0	8	20	
ATB	Ashtabula	21,472	2.93	0	27	36	0	46	63	
ATH	Athens	21,706	1.34	1	15	13	1	20	29	
POR	Aurora	11,530	0.78	0	3	6	0	9	9	
LOR	Avon	10,615	1.79	1	13	5	1	22	19	
LOR	Avon Lake	17,171	0.64	0	5	6	0	8	11	
CUY	Bay Village	15,859	0.76	0	3	9	0	4	12	
CUY	Beachwood	10,955	1.46	0	7	9	0	9	16	
CUY	Bedford	13,800	1.96	0	10	17	0	16	27	
CUY	Bedford Heights	11,471	2.44	0	17	11	0	22	28	
LOG	Bellefontaine	13,037	1.99	0	7	19	0	8	26	
CUY	Berea	18,380	1.31	1	9	14	1	11	24	
FRA	Bexley	12,216	1.23	0	6	9	0	7	15	
HAM	Blue Ash	12,374	1.45	0	9	9	0	21	18	
CUY	Brecksville	12,623	1.27	0	9	7	0	13	16	
CUY	Broadview Heights	14,187	1.20	0	9	8	0	15	17	
CUY	Brook Park	22,084	1.77	0	22	17	0	43	39	
CUY	Brooklyn	11,462	2.27	0	20	6	0	37	26	
CRA	Bucyrus	13,192	1.21	0	5	11	0	6	16	
GUE	Cambridge	11,791	0.93	0	5	6	0	7	11	
MER	Celina	10,615	1.32	0	4	10	0	9	14	
MOT	Centerville	23,035	1.00	1	5	17	1	6	23	
ROS	Chillicothe	22,275	3.05	0	14	54	0	18	68	
PIC	Circleville	12,107	1.32	0	2	14	0	2	16	
ATB	Conneaut	12,836	1.87	0	14	10	0	23	24	
COS	Coshocton	12,183	1.31	1	5	10	1	5	16	
DEF	Defiance	16,458	1.58	0	7	19	0	8	26	
DEL	Delaware	18,962	1.63	0	8	23	0	17	31	
TUS	Dover	11,844	0.84	0	6	4	0	7	10	
COL	East Liverpool	13,151	1.52	0	12	8	0	19	20	
LAK	Eastlake	20,976	0.86	0	7	11	0	14	18	
MOT	Englewood	11,870	1.52	0	7	11	0	9	18	
HAM	Forest Park	19,442	1.65	0	16	16	0	27	32	
SEN	Fostoria	14,379	1.46	2	15	4	4	28	21	
WAR	Franklin	11,664	2.06	0	12	12	0	15	24	
SAN	Fremont	17,010	2.76	0	20	27	0	28	47	
CRA	Galion	11,396	0.97	0	5	6	0	8	11	
TRU	Girard	10,872	0.92	0	9	1	0	20	10	
SUM	Green	21,975	1.91	0	21	21	0	34	42	
DAR	Greenville	13,099	1.45	0	4	15	0	6	19	
FRA	Grove City	18,938	0.95	0	11	7	0	22	18	
FRA	Hilliard	19,934	1.25	2	12	11	2	18	25	
SUM	Hudson	21,226	1.51	1	19	12	1	32	32	
LAW	Ironton	12,724	2.12	0	8	19	0	15	27	
ATB	Lakeville	12,836	0.00	0	0	0	0	0	0	

**TABLE 8.02
ALCOHOL CRASHES BY CITY
Continued**

City Population: 10,000 to 24,999									
County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes
WAR	Lebanon	13,802	2.10	0	9	20	0	11	29
HAM	Loveland	11,780	0.59	0	2	5	0	5	7
CUY	Lyndhurst	15,109	0.73	0	5	6	0	6	11
WAS	Marietta	14,857	1.75	1	8	17	1	15	26
UNI	Marysville	13,010	0.54	0	3	4	0	4	7
WAR	Mason	18,850	0.80	0	7	8	0	11	15
LUC	Maumee	14,955	1.81	0	17	10	0	24	27
CUY	Mayfield Heights	18,519	1.35	1	11	13	1	20	25
MED	Medina	22,928	0.79	0	6	12	0	9	18
MOT	Miamisburg	18,304	3.06	1	17	38	1	24	56
CUY	Middleburg Heights	14,877	2.55	0	15	23	0	26	38
KNO	Mount Vernon	14,973	1.94	0	7	22	0	9	29
TUS	New Philadelphia	16,615	2.05	1	17	16	1	24	34
TRU	Niles	20,593	1.80	0	25	12	0	42	37
STA	North Canton	15,601	0.32	0	4	1	0	5	5
HAM	North College Hill	10,363	0.87	0	2	7	0	5	9
LOR	North Ridgeville	23,411	1.88	1	17	26	1	23	44
SUM	Norton	12,077	3.23	1	23	15	1	32	39
HUR	Norwalk	15,694	1.59	0	5	20	0	7	25
HAM	Norwood	21,450	3.96	1	29	55	1	54	85
LUC	Oregon	19,136	2.19	0	22	20	0	28	42
BUT	Oxford	18,789	1.06	1	9	10	1	16	20
LAK	Painesville	15,896	2.77	1	18	25	1	19	44
CUY	Parma Heights	20,624	1.31	0	15	12	0	26	27
WOO	Perrysburg	14,411	1.87	0	11	16	0	12	27
MIA	Piqua	19,810	1.87	0	13	24	0	18	37
SCI	Portsmouth	22,213	2.66	0	27	32	0	39	59
POR	Ravenna	11,961	1.25	0	4	11	0	8	15
HAM	Reading	11,488	1.48	0	6	11	0	7	17
CUY	Riveredge Township	16,897	0.89	0	7	8	0	15	15
CUY	Rocky River	19,506	1.59	0	11	20	0	12	31
COL	Salem	11,894	0.59	0	2	5	0	6	7
CUY	Seven Hills	12,276	0.81	0	7	3	0	11	10
HAM	Sharonville	13,870	4.04	0	15	41	0	21	56
SHE	Sidney	19,197	2.34	0	16	29	0	25	45
CUY	Solon	20,017	1.00	1	8	11	1	15	20
CUY	South Euclid	22,355	0.81	0	7	11	0	11	18
WAR	Springboro	10,520	1.62	0	8	9	0	14	17
HAM	Springdale	10,081	3.08	0	18	13	0	26	31
JEF	Steubenville	20,224	1.04	1	10	10	1	12	21
POR	Streetsboro	11,996	3.08	1	16	20	1	27	37
MAH	Struthers	12,342	1.22	0	11	4	0	14	15
LUC	Sylvania	17,664	0.91	0	5	11	0	9	16
SUM	Tallmadge	16,054	1.49	0	13	11	0	24	24
SEN	Tiffin	18,007	1.67	0	8	22	0	11	30
MIA	Troy	21,672	1.89	0	8	33	0	9	41
SUM	Twinsburg	15,179	0.92	0	4	10	0	4	14
CUY	University Heights	13,409	0.97	0	7	6	0	10	13
CHP	Urbana	11,142	3.05	0	16	18	0	30	34

**TABLE 8.02
ALCOHOL CRASHES BY CITY
Continued**

City Population: 10,000 to 24,999									
County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes
VAN	Van Wert	10,608	1.32	0	5	9	0	10	14
MOT	Vandalia	14,021	2.35	0	16	17	0	31	33
LOR	Vermilion	11,344	1.32	0	5	10	0	7	15
MED	Wadsworth	17,567	0.74	0	5	8	0	10	13
CUY	Warrensville Heights	14,822	1.35	0	14	6	0	23	20
FAY	Washington	13,283	2.03	0	10	17	0	13	27
MOT	West Carrollton	13,709	2.77	0	13	25	0	20	38
FRA	Whitehall	19,237	2.65	0	27	24	0	44	51
LAK	Wickliffe	13,953	2.08	0	17	12	0	25	29
LAK	Willoughby	21,494	2.84	0	19	42	0	29	61
LAK	Willowick	14,448	1.38	0	10	10	0	14	20
CLI	Wilmington	11,866	1.60	0	9	10	0	18	19
WAY	Wooster	23,609	0.93	0	10	12	0	15	22
FRA	Worthington	14,103	1.35	0	13	6	0	16	19
GRE	Xenia	24,994	1.44	0	15	21	0	26	36
City Population: 5,000 to 9,999									
County Code	City Name	Population	Crash Rate	Fatal Crashes	Injury Crashes	PDO Crashes	Deaths	Injuries	Total Crashes
HAR	Ada	5,524	2.72	0	5	10	0	5	15
BEL	Bellaire	5,603	1.07	0	5	1	0	7	6
GRE	Bellbrook	7,033	1.00	0	1	6	0	2	7
HUR	Bellevue	8,051	0.62	0	1	4	0	6	5
WAS	Belpre	7,016	1.14	0	3	5	0	6	8
WIL	Bryan	8,510	1.18	0	7	3	0	15	10
MAH	Campbell	9,246	1.08	0	4	6	0	6	10
MAH	Canfield	5,459	0.55	0	2	1	0	2	3
WAR	Carlisle	5,057	0.40	0	1	1	0	2	2
GEA	Chardon	5,010	1.00	0	3	2	0	4	5
HAM	Cheviot	8,863	0.79	1	4	2	1	8	7
SAN	Clyde	5,990	1.34	0	3	5	0	5	8
COL	Columbiana	6,868	0.73	0	3	2	0	5	5
TRU	Cortland	6,396	0.63	0	2	2	0	4	4
HAM	Deer Park	5,675	1.59	0	6	3	0	11	9
ALL	Delphos	6,800	0.88	0	1	5	0	1	6
COL	East Palestine	5,255	1.71	0	5	4	0	8	9
PRE	Eaton	7,827	1.15	1	2	6	1	3	9
SUM	Fairlawn	6,327	1.11	0	4	3	0	6	7
GAL	Gallipolis	5,045	2.97	0	7	8	0	14	15
ATB	Geneva	6,883	2.03	0	7	7	0	19	14
FRA	Grandview Heights	6,559	1.68	0	3	8	0	4	11
HIG	Greenfield	5,586	1.79	0	3	7	0	5	10
HAM	Harrison	9,566	1.15	1	3	7	1	4	11
LIC	Heath	8,332	2.88	0	9	15	0	12	24
CUY	Highland Heights	7,144	1.54	0	2	9	0	4	11
HIG	Hillsboro	7,350	2.59	1	6	12	1	8	19
TRU	Hubbard	8,078	0.99	0	5	3	0	8	8
ERI	Huron	7,279	1.10	0	3	5	0	5	8
CUY	Independence	6,690	4.33	0	23	6	0	30	29
HAM	Indian Hill	5,355	2.43	0	3	10	0	3	13

**TABLE 8.02
ALCOHOL CRASHES BY CITY
Continued**

City Population: 5,000 to 9,999									
County			Crash	Fatal	Injury	PDO			Total
Code	City Name	Population	Rate	Crashes	Crashes	Crashes	Deaths	Injuries	Crashes
JAC	Jackson	5,999	2.17	0	6	7	0	14	13
HAR	Kenton	8,345	1.92	0	6	10	0	16	16
LAK	Kirtland	6,538	1.22	0	6	2	0	19	8
HOC	Logan	7,604	2.10	0	9	7	0	17	16
MAD	London	8,507	1.06	0	4	5	0	7	9
STA	Louisville	8,381	0.84	0	1	6	0	2	7
SUM	Macedonia	9,191	2.39	0	11	11	0	21	22
HAM	Madeira	8,754	1.26	0	4	7	0	10	11
BEL	Martins Ferry	7,447	1.88	0	4	10	0	7	14
LAK	Mentor-on-the-Lake	8,509	0.94	0	6	2	0	11	8
CLE	Milford	5,978	0.84	0	2	3	0	2	5
BUT	Monroe	6,270	3.19	0	6	14	0	9	20
HAM	Montgomery	9,645	2.18	0	9	12	0	16	21
MOT	Moraine	7,568	4.10	1	11	19	1	23	31
HAM	Mount Healthy	7,028	1.42	0	3	7	0	3	10
SUM	Munroe Falls	5,466	1.46	0	6	2	0	7	8
HEN	Napoleon	9,189	0.65	0	2	4	0	4	6
CLA	New Carlisle	6,157	0.81	0	3	2	0	5	5
PER	New Lexington	5,391	1.11	0	4	2	0	5	6
WOO	Northwood	5,915	1.86	0	7	4	0	10	11
MOT	Oakwood	8,343	0.72	0	3	3	0	5	6
LOR	Oberlin	7,787	0.90	0	5	2	0	7	7
CUY	Olmsted Falls	7,334	1.50	0	7	4	0	9	11
WAY	Orrville	8,227	1.22	0	3	7	0	8	10
CUY	Pepper Pike	6,105	1.80	0	6	5	0	8	11
FAI	Pickerington	8,927	1.23	0	7	4	0	14	11
OTT	Port Clinton	7,123	1.83	0	3	10	0	3	13
CUY	Richmond Heights	9,520	0.95	0	2	7	0	4	9
WAY	Rittman	6,568	1.22	0	3	5	0	8	8
WOO	Rossford	6,015	1.50	0	3	6	0	3	9
BEL	Saint Clairsville	5,196	0.58	0	1	2	0	2	3
AUG	Saint Marys	8,373	1.43	0	4	8	0	4	12
LOR	Sheffield Lake	9,915	1.01	0	5	5	0	9	10
RIC	Shelby	9,449	1.38	0	6	7	0	9	13
HAM	Silverton	5,598	0.71	0	2	2	0	4	4
MIA	Tipp City	6,308	2.85	0	6	12	0	9	18
JEF	Toronto	5,662	1.41	1	2	5	1	6	8
BUT	Trenton	7,712	1.30	0	3	7	0	5	10
TUS	Uhrichsville	5,662	0.71	0	1	3	0	1	4
MOT	Union	5,946	1.35	0	3	5	0	7	8
WYA	Upper Sandusky	5,992	1.17	0	2	5	0	4	7
AUG	Wapakoneta	9,317	1.18	0	2	9	0	2	11
FUL	Wauseon	6,944	1.87	0	9	4	0	14	13
JAC	Wellston	7,326	1.09	0	5	3	0	9	8
HUR	Willard	6,652	1.50	0	2	8	0	2	10
LAK	Willoughby Hills	8,832	1.59	0	5	9	0	7	14
HAM	Wyoming	7,425	1.08	0	4	4	0	5	8