



U.S. Department
of Transportation
**Federal Highway
Administration**

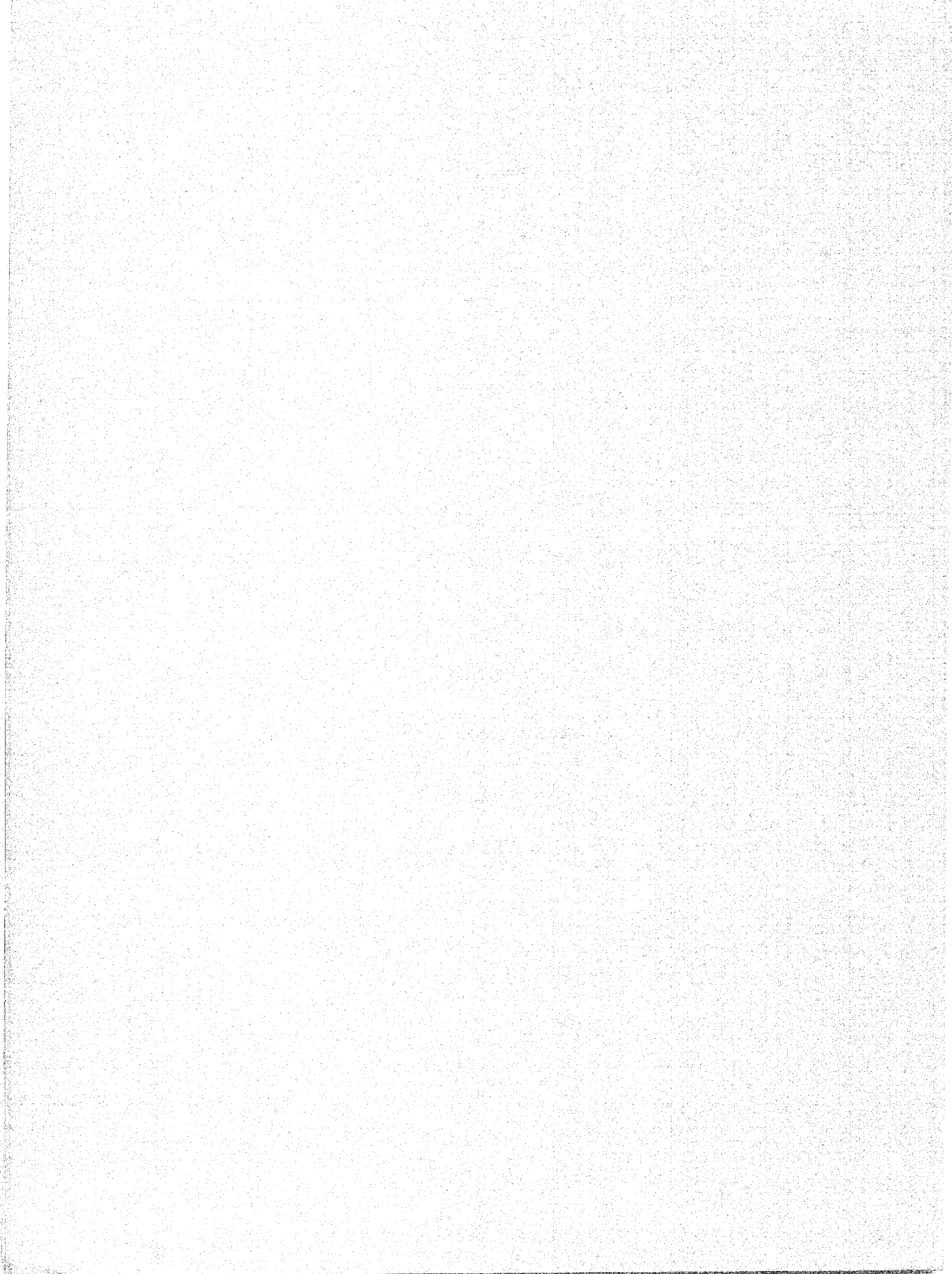
Highway Safety Performance—1982

Fatal and Injury Accident Rates on Public Roads in the United States

Offices of Highway Safety
and Highway Planning

December 1983

A report of the Secretary of
Transportation to the United
States Congress pursuant to
Section 207 of the Surface
Transportation Assistance Act of
1982 (P.L. 97-424)



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U.S. DEPARTMENT OF TRANSPORTATION
Federal Highway Administration
Washington, D.C. 20590

FOREWORD

This report was prepared pursuant to Section 207 of the Surface Transportation Assistance Act of 1982 (P.L. 97-424) which reads as follows:

Sec. 207. The Secretary of Transportation shall prepare, publish, and submit to Congress not later than December 31 of each calendar year beginning after December 31, 1982, a report on the highway safety performance of each State in the preceding calendar year. Such report shall provide data on highway fatalities and injuries and motor vehicle accidents involving fatalities and injuries and travel in urban areas of each State for each system of highways and in rural areas of such State for each system of highways. Such report shall be in such form and contain such other information on highway accidents as will permit an evaluation and comparison of highway safety performance of the States. For purposes of this section (1) the systems of highways in a State are the Federal-aid primary system, the Federal-aid secondary system, the Federal-aid urban system, and the Interstate System (as such terms are defined in section 101 of Title 23, United States Code) and the other highways in such State which are not on the Federal-aid system, and (2) the terms "State," "rural areas," and "urban area" have the meaning such terms have under such section 101.

The report contains an extension of a series of statistical data published annually since 1967 by the Federal Highway Administration (FHWA) as "Fatal and Injury Accident Rates on Federal-Aid and Other Highway Systems." The series has been a cooperative effort of the FHWA's Offices of Traffic Operations, Highway Safety, and Highway Planning. The States have provided the data for this series through the Highway Performance Monitoring System (HPMS), and its predecessors, administered by the Office of Highway Safety. Data from the Fatal Accident Reporting System (FARS) administered by the National Highway Traffic Safety Administration (NHTSA) have been used to verify and supplement the HPMS data.

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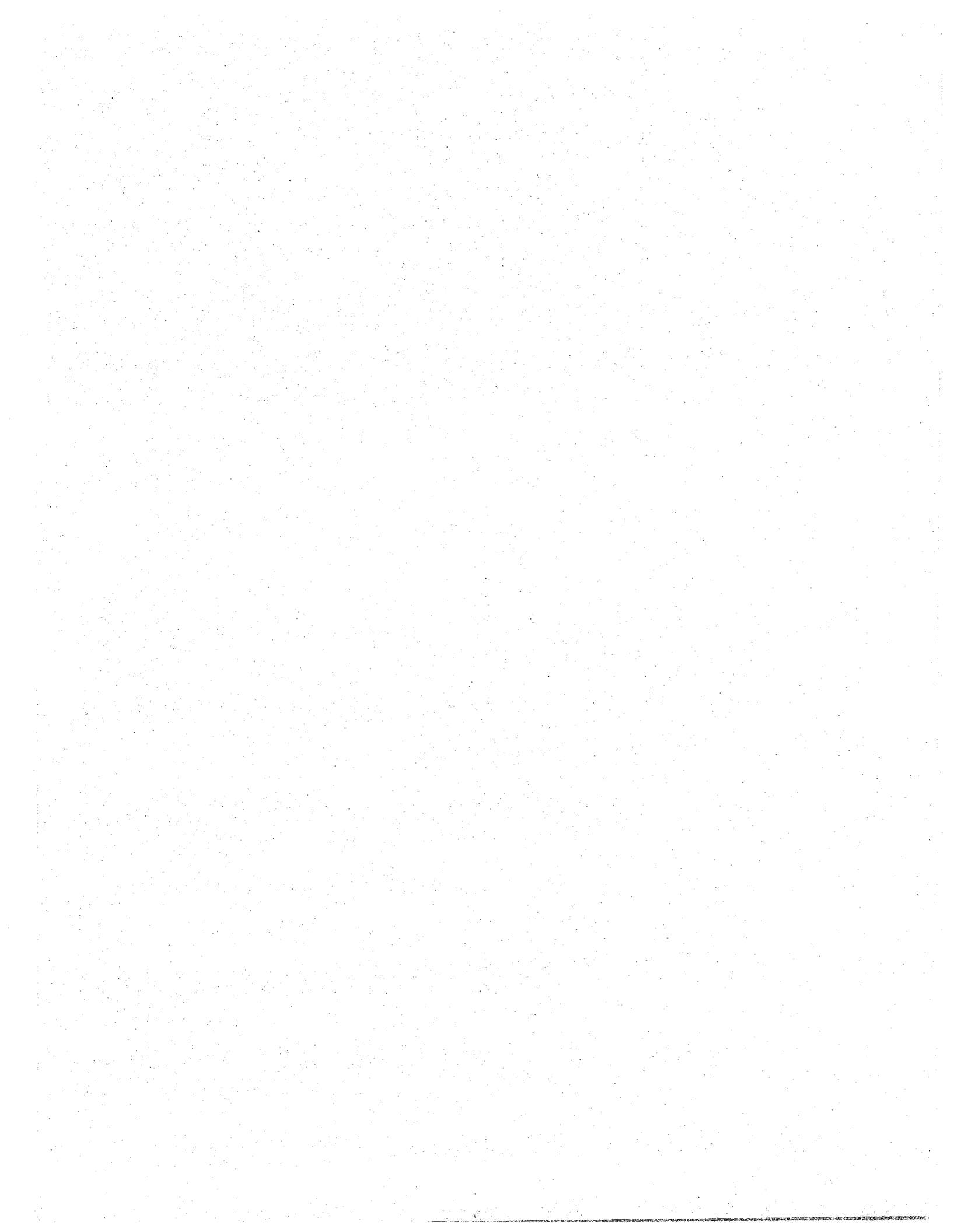
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HIGHWAY SAFETY PERFORMANCE - 1982

SECTION I--INTRODUCTION

A. Purpose of Report

In response to the Congressional direction given in the Surface Transportation Assistance Act of 1982, this report provides motor vehicle traffic accident data which may be used, together with other relevant information, in evaluating and comparing the highway safety performance of the States. It is not the purpose of this report to present either a detailed analysis of the data or a completed evaluation or comparison of State highway safety performance. The text of the report is primarily technical detail and background information which may assist those who analyze or interpret the statistical tables and graphs.

B. Terminology

It is customary, when drafting legislation, to begin with definitions. These serve to introduce terms which are not in common use and to clarify the intended meaning of familiar terms which may be ambiguous. Interpretation of laws is greatly facilitated by the use of carefully defined terminology. Similarly, the interpretation of statistics is dependent upon an understanding of the terminology used in the collection and processing of the data. Such an understanding is particularly important when statistics from two or more sources are combined or compared. For this reason, an explanation of pertinent terminology precedes the statistical data in this report.

The two primary sources for the definitions which follow are Section 101 of Title 23 of the United States Code and the Manual on Classification of Motor Vehicle Traffic Accidents (ANSI D16.1-1976). It should be recognized that the accident data in this report have been collected and processed by thousands of persons in State and local agencies and that deviations from the standard definitions are not unusual. Most of the deviations are relatively minor, but some are not. Users of accident statistics should be constantly alert to the fact that statistical differences may reflect differences in terminology rather than differences in accident experience.

Terms used in this report are defined as follows:

A motor vehicle traffic accident is an accident involving a motor vehicle in use within the right-of-way or other boundaries of a trafficway open for the use of the public.

An injury is any bodily harm received by a person in a motor vehicle traffic accident.

A fatal injury is any injury that results in death.

A nonfatal injury is any injury other than a fatal injury.

A fatal accident is a motor vehicle traffic accident resulting in one or more fatal injuries.

A nonfatal injury accident is a motor vehicle traffic accident that results in one or more injuries, but no fatal injuries.

A fatality is the death of any person who suffers a fatal injury. For its statistics on motor vehicle traffic fatalities, the Department of Transportation uses a 30-day counting rule, including only those deaths which occur within 30 days of the fatal injury. Approximately two percent of traffic fatalities occur later.

A nonfatally injured person is one who suffers a nonfatal injury in either a fatal accident or a nonfatal injury accident.

Vehicle miles are the miles of travel by all types of motor vehicles, as determined by the State highway departments on the basis of actual traffic counts and established estimating procedures.

The fatal accident rate, nonfatal injury accident rate, fatality rate, and nonfatal injury rate are, respectively, the number of fatal accidents, nonfatal injury accidents, fatalities, and nonfatally injured persons per 100 million vehicle miles of travel.

An urban highway is any road or street within the boundaries of an urban area. An urban area is an area including and adjacent to a municipality or urban place with 5,000 or more population. The boundaries of urban areas are fixed by the State highway departments, subject to the approval of the Federal Highway Administration, for purposes of the Federal-Aid highway program.

A rural highway is any road or street which is not an urban highway.

Travel density is the average number of vehicle-miles driven on a section of highway each day divided by the length of the section in miles. It is expressed as a number of vehicles and may be referred to as average daily traffic (ADT).

The provisional rate-density relationship is the relationship between fatality rates and average daily traffic. It is based on data for the 4-year period preceding the calendar year for which detailed data are reported. It is labelled "provisional" to make it clear that it is to be used as a guide rather than a standard. A provisional rate-density relationship may be described graphically or mathematically by a rate-density curve.

A provisional range for a given period of time is based on a provisional rate-density relationship and the volume of travel. The provisional range indicates—for an appropriate volume of travel—the amount of deviation from fatality rates on a rate-density curve which might be expected if the deviation were random.

The characteristics of the functional classes of highways referred to in this compilation of statistical data are briefly described as follows:

Arterial highways serve major traffic movements or major traffic corridors. While they may provide access to abutting land, their primary function is to serve traffic moving through the area.

Local highways are those highways whose principal function is to provide direct access to abutting land.

Collector highways are those highways which link local highways to arterial highways.

The characteristics of the several Federal-aid highway systems referred to in this report are briefly described as follows:

Federal-Aid Primary, Secondary, and Urban highway systems are those for which Federal-Aid highway matching funds may be spent by the State.

The Federal-Aid Primary system is a system of connected main roads important to interstate, statewide, and regional travel, consisting of rural arterial routes and their extensions into or through urban areas.

The Interstate System is a part of the Federal-Aid Primary system. It is a system of freeways (i.e., expressways with fully controlled access) connecting and serving the principal cities of the United States.

The Federal-Aid Secondary system consists of rural collector routes.

The Federal-Aid Urban system consists of urban arterial and collector routes, exclusive of urban extensions of the Federal-Aid Primary system.

The fatality statistics in this report differ somewhat from those reported elsewhere. For its motor vehicle traffic fatality statistics, the Department of Transportation (DOT) uses a 30-day counting rule.^{1/} Under this rule, deaths resulting from an accident are counted only if they occur within 30 days of the accident. Traffic fatalities are listed by the time and place of the fatal accident. Similar statistics published by the National Center for Health Statistics (NCHS) are listed by the time of death and place of residence of the deceased, using a 12-month counting rule. If a New York resident died on January 10, 1982, as a result of a December 27, 1981, accident in Vermont, the death would be reported as a

^{1/} Federal Highway Administration/National Highway Traffic Safety Administration; "Highway Fatality Counting Rule"; Federal Register, Volume 43, No. 191; pp. 45486-45487; October 2, 1978.

1982 New York traffic fatality by the National Center for Health Statistics and as a 1981 Vermont fatality by the Department of Transportation; if the death had not occurred until January 29—more than 30 days after the accident—it would have been included in NCHS reports for 1982 but not in DOT reports for any year.

Another difference in the reporting of fatalities which result from motor vehicle accidents is the treatment of deaths resulting from nontraffic accidents. Examples of motor vehicle nontraffic accidents are those which occur in the driveways of private homes or in other locations outside the rights-of-way or other boundaries of roads which are open for public use. Annual motor vehicle fatality figures for the United States reported by NCHS and the National Safety Council (NSC) generally include about a thousand nontraffic fatalities—deaths which are not included in DOT reports.

The number of nonfatally injured persons is also counted in a variety of ways. In this publication the number of injured persons is the number reported by police. The NSC, for comparability with injuries from industrial and other accidents, reports the number of persons disabled beyond the day of the accident. Another approach is taken in the National Health Survey by the Bureau of Census. In the National Health Survey, the estimated number of injuries is based on responses in household interviews. National Health Survey injury figures tend to be about twice as high as those reported by NSC. The police-reported figures used in this publication are midway between the others.

C. Highway Safety Performance in 1982

A noteworthy feature of the traffic accident statistics for 1982 is the striking decrease in the number of fatalities reported by the States. The decrease—from over 49,000 traffic fatalities in 1981 to fewer than 44,000 in 1982—is the second largest 1-year improvement since World War II. The only larger decrease occurred during the 1974 fuel crisis.

Table 1 presents travel and accident data by highway system for the United States. It is a summary of the detailed data contained in Tables 2 through 6. Estimates have been included where data reported by the States were incomplete. The data permit comparison of numbers and rates (per 100 million vehicle-miles) for accidents and casualties on Federal-aid and other highway systems. Note that fatality rates are substantially lower on the Interstate System than on any other highway system and that about one-fifth of all highway travel in the United States occurs on the Interstate System.

Table 2 summarizes travel and accident data by State. In addition to data which are presented in greater detail in Tables 3 through 6, these tables include pedestrian data. The number of pedestrians injured, fatally or nonfatally, are reported for each State together with pedestrian injury rates.

TABLE I. U.S. VEHICLE-MILE RATES BY HIGHWAY SYSTEM - 1982¹

HIGHWAY SYSTEM	HIGHWAY MILES 2/	VEHICLE MILES (MILLIONS) 2/	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		NONFATAL INJURY ACCIDENTS 4/		FATALITIES		NONFATAL INJURED PERSONS 4/	
				NUMBER	RATE 3/	NUMBER	RATE 3/	NUMBER	RATE 3/	NUMBER	RATE 3/
INTERSTATE (ARTERIAL)											
RURAL	32,879	142,186	11,848	1,861	1.31	36,140	25.42	2,175	1.53	58,191	40.93
URBAN	9,581	175,459	90,173	1,704	0.97	81,180	46.27	1,878	1.07	121,450	69.22
TOTAL	42,460	317,645	20,496	3,565	1.12	117,320	36.93	4,053	1.28	179,641	56.55
OTHER FEDERAL-AID PRIMARY (ARTERIAL)											
RURAL	226,111	266,296	3,226	8,632	3.24	193,049	72.49	10,236	3.84	323,062	121.32
URBAN	29,648	204,777	18,923	3,497	1.71	232,351	113.47	3,862	1.89	356,383	174.03
TOTAL	255,759	471,073	5,046	12,129	2.57	425,400	90.30	14,098	2.99	679,445	144.23
FEDERAL-AID URBAN COLLECTOR											
ARTERIAL	82,053	276,674	9,238	6,677	2.41	502,987	181.80	7,391	2.67	752,137	271.85
COLLECTOR	51,447	64,214	3,419	1,142	1.78	108,806	169.44	1,217	1.90	153,667	239.30
TOTAL (ALL URBAN)	133,500	340,888	6,995	7,819	2.29	611,793	179.47	8,608	2.53	905,804	265.72
FEDERAL-AID SECONDARY (COLLECTOR) TOTAL (ALL RURAL)	401,999	145,172	989	5,566	3.83	143,728	99.01	6,291	4.33	229,993	158.43
NON-FEDERAL-AID ARTERIAL											
RURAL	3,786	3,762	2,722	65	1.73	1,460	38.81	83	2.21	2,886	76.71
URBAN	8,088	24,200	8,197	720	2.98	17,769	73.43	765	3.16	26,360	108.93
TOTAL	11,874	27,962	6,451	785	2.81	19,229	68.77	848	3.03	29,246	104.59
NON-FEDERAL-AID COLLECTOR											
RURAL	336,525	49,858	405	2,075	4.16	79,448	159.35	2,324	4.66	115,397	231.45
URBAN	18,115	20,099	3,039	401	2.00	18,783	93.45	443	2.20	27,220	135.43
TOTAL	354,640	69,957	540	2,476	3.54	98,231	140.42	2,767	3.96	142,617	203.86
NON-FEDERAL-AID LOCAL											
RURAL	2,224,440	83,411	102	3,633	4.36	163,118	195.56	3,997	4.79	234,379	280.99
URBAN	441,624	136,373	846	3,026	2.22	389,776	285.82	3,184	2.33	540,947	396.67
TOTAL	2,666,064	219,784	225	6,659	3.03	552,894	251.56	7,181	3.27	775,326	352.77
ALL FEDERAL-AID											
RURAL	660,989	553,654	2,294	16,059	2.90	372,917	67.36	18,702	3.38	611,246	110.40
URBAN	172,729	721,124	11,438	13,020	1.81	925,324	128.32	14,348	1.99	1,383,637	191.87
TOTAL	833,718	1,274,778	4,189	29,079	2.28	1,298,241	101.84	33,050	2.59	1,994,883	156.49
ALL NON-FEDERAL-AID											
RURAL	2,564,751	137,031	146	5,773	4.21	244,026	178.08	6,404	4.67	352,662	257.36
URBAN	467,827	180,672	1,058	4,147	2.30	426,328	235.97	4,392	2.43	594,527	329.06
TOTAL	3,032,578	317,703	287	9,920	3.12	670,354	211.00	10,796	3.40	947,189	298.14
NON-INTERSTATE											
RURAL	3,192,861	548,499	470	19,971	3.64	580,803	105.89	22,931	4.18	905,717	155.13
URBAN	630,975	726,337	3,153	15,463	2.13	1,270,472	174.91	16,862	2.32	1,856,714	255.63
TOTAL	3,823,836	1,274,836	913	35,434	2.78	1,851,275	145.22	39,793	3.12	2,762,431	216.69
TOTAL											
RURAL	3,225,740	690,685	586	21,832	3.16	616,943	89.32	25,106	3.63	963,908	139.56
URBAN	640,556	901,796	3,857	17,167	1.90	1,351,652	149.88	18,740	2.08	1,978,164	219.36
TOTAL	3,866,296	1,592,481	1,128	38,999	2.45	1,968,595	123.62	43,846	2.75	2,942,072	184.75

1/ U.S. ESTIMATES EXCLUDE THE COMMONWEALTH OF PUERTO RICO AND THE TERRITORIES OF AMERICAN SAMOA, GUAM, AND VIRGIN ISLANDS. ESTIMATES FOR FATAL ACCIDENTS, FATALITIES, NONFATAL INJURY ACCIDENTS AND NONFATAL INJURED PERSONS ARE BASED ON THE PARTIAL DATA REPORTED BY STATES WHICH ARE DISPLAYED IN THE FOLLOWING TABLES, TOGETHER WITH TOTALS REPORTED BY MOST STATES.

2/ MILEAGE AND TRAVEL DATA ARE FROM THE HIGHWAY PERFORMANCE MONITORING SYSTEM (HPMS) FOR 1982. FEDERAL-AID HIGHWAY MILEAGE IS FROM HPMS UNIVERSE DATA AS OF SEPTEMBER 30, 1983 AND VEHICLE-MILES

OF TRAVEL ARE FROM THE HPMS AREAWIDE SUMMARY TABLES AS OF SEPTEMBER 30, 1983. FEDERAL HIGHWAY ADMINISTRATION ESTIMATES WERE MADE FOR MAJOR HIGHWAY CATEGORIES WHERE COMPLETE FUNCTIONAL OR FEDERAL-AID SYSTEM DATA WERE NOT REPORTED.

3/ RATES ARE PER 100 MILLION VEHICLE MILES.

4/ TOTALS OF NON-FATAL INJURY ACCIDENTS AND NON-FATAL INJURED PERSONS WERE ESTIMATED BY FHWA FOR ALASKA, CONNECTICUT, FLORIDA, LOUISIANA, MARYLAND, MISSISSIPPI, NEW HAMPSHIRE, RHODE ISLAND, VERMONT, AND FOR THE NON-STATE MILEAGE OF MISSOURI.

TABLE 2. STATE ACCIDENT SUMMARY - 1982

STATE	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	FATAL ACCIDENTS		NON-FATAL INJURY ACCIDENTS		FATALITIES		NON-FATALITY INJURED PERSONS		FATALITY INJURED PEDESTRIANS		NON-FATALITY INJURED PEDESTRIANS	
			NUMBER	RATE 1/	NUMBER	RATE 1/	NUMBER	RATE 1/	NUMBER	RATE 1/	NUMBER	RATE 1/	NUMBER	RATE 1/
ALABAMA	87,483	28,516	744	2.61	22,588	79.20	839	2.94	32,404	113.63	98	0.34	1,140	4.00
ALASKA	9,885	3,702	94	2.54	4,090	110.48	103	2.78	6,048	163.37	10	0.27	230	6.21
ARIZONA	76,290	19,729	636	3.22	28,966	146.82	724	3.67	45,778	232.03	138	0.70	1,137	5.76
ARKANSAS	76,649	16,630	476	2.86	16,006	96.25	548	3.30	25,003	150.35	71	0.43	450	2.71
CALIFORNIA	173,888	169,999	4,122	2.42	184,972	108.81	4,618	2.72	274,073	161.22	744	0.44	13,134	7.73
COLORADO	75,433	23,786	597	2.51	26,493	111.38	667	2.80	38,928	163.66	81	0.34	1,090	4.58
CONNECTICUT	19,479	20,138	2/ 464	2.30	3/ 4/	2/ 515	2.56	3/ 4/	3/ 4/	3/ 4/	20	0.44	274	5.97
DELAWARE	5,269	4,591	115	2.50	4,742	103.29	122	2.66	7,189	156.59	20	0.44	274	5.97
DIST. OF COL.	1,102	3,380	35	1.04	9,127	270.03	36	1.07	13,519	399.97	11	0.33	1,108	32.78
FLORIDA	93,797	79,498	2/ 2,279	2.87	3/ 4/	2/ 2,910	3.16	3/ 4/	3/ 4/	3/ 4/	168	0.34	3/ 4/	4/ 4/
GEORGIA	104,253	48,731	1,097	2.25	40,645	83.41	1,229	2.52	60,504	124.16	168	0.34	3/ 4/	4/ 4/
HAWAII	4,172	6,048	144	2.38	8,512	140.74	159	2.63	12,070	199.57	35	0.58	666	11.01
IDAHO	68,395	7,857	212	2.70	7,107	90.45	255	3.25	11,006	140.08	22	0.28	240	3.05
ILLINOIS	134,405	65,635	1,476	2.24	104,689	159.02	1,652	2.51	156,263	237.36	330	0.50	9,437	14.33
INDIANA	91,654	39,203	840	2.14	41,994	107.12	955	2.44	61,285	156.33	109	0.28	1,730	4.41
IOWA	112,188	19,341	431	2.23	17,933	92.72	480	2.48	25,905	133.94	39	0.20	756	3.91
KANSAS	132,207	17,658	436	2.47	19,842	112.37	498	2.82	29,899	169.32	49	0.28	601	3.40
KENTUCKY	68,674	25,627	726	2.83	26,948	105.15	822	3.21	40,542	158.20	101	0.39	1,438	5.61
LOUISIANA	56,932	26,902	2/ 962	3.58	3/ 4/	2/ 1,091	4.06	3/ 4/	3/ 4/	3/ 4/	24	0.31	3/ 4/	5/ 6.00
MAINE	21,953	7,649	151	1.97	9,686	126.63	168	2.20	14,053	183.72	24	0.31	459	6.00
MARYLAND	27,133	28,920	2/ 575	1.99	3/ 4/	2/ 640	2.21	3/ 4/	3/ 4/	3/ 4/	133	0.36	3/ 4/	4/ 7.50
MASSACHUSETTS	33,800	36,666	612	1.67	34,511	94.12	655	1.79	46,718	127.41	106	0.30	2,750	4.33
MICHIGAN	117,425	61,200	1,258	2.06	87,384	142.78	1,392	2.27	130,061	212.32	215	0.35	4,296	7.02
MINNESOTA	131,214	29,176	508	1.74	24,559	84.18	571	1.96	35,850	122.87	72	0.25	1,257	4.31
MISSISSIPPI	70,789	17,146	2/ 617	3.60	3/ 4/	2/ 730	4.26	3/ 4/	3/ 4/	3/ 4/	106	0.30	3/ 4/	4/ 4/
MISSOURI	118,610	35,003	784	2.24	3/ 4/	2/ 893	2.55	3/ 4/	3/ 4/	3/ 4/	17	0.25	204	3.06
MONTANA	71,432	6,669	215	3.22	6,127	91.87	254	3.81	9,316	139.69	17	0.25	204	3.06
NEBRASKA	91,901	11,435	226	1.98	13,279	116.13	261	2.28	19,840	173.50	29	0.25	661	5.78
NEVADA	43,850	6,413	248	3.87	7,540	117.57	280	4.37	11,387	177.56	44	0.69	480	7.48
NEW HAMPSHIRE	14,467	6,971	2/ 154	2.21	3/ 4/	2/ 173	2.48	3/ 4/	3/ 4/	3/ 4/	90	0.76	592	5.00
NEW JERSEY	33,692	51,802	990	1.91	81,921	158.14	1,086	2.10	121,513	234.57	286	0.55	6,931	13.38
NEW MEXICO	63,752	11,850	489	4.13	14,864	125.43	577	4.87	23,253	196.23	90	0.76	592	5.00
NEW YORK	109,825	80,484	1,956	2.43	170,688	212.08	2,153	2.68	252,959	314.30	609	0.76	20,636	25.64
NORTH CAROLINA	92,921	43,100	1,159	2.71	53,091	123.18	1,306	3.03	83,863	194.58	267	0.62	3,049	7.07
NORTH DAKOTA	86,041	5,252	128	2.44	3,868	73.65	148	2.82	5,800	110.43	9	0.17	172	3.27
OHIO	111,150	71,751	1,456	2.03	104,719	145.95	1,618	2.26	164,708	229.55	245	0.34	4,617	6.43
OKLAHOMA	109,875	30,011	916	3.05	24,049	80.13	1,070	3.57	35,743	119.10	119	0.40	805	2.68
OREGON	133,734	19,384	464	2.39	21,299	109.88	518	2.67	34,620	178.60	67	0.35	795	4.10
PENNSYLVANIA	118,964	71,313	1,603	2.25	83,679	117.34	1,810	2.54	124,972	175.24	287	0.40	6,797	9.53
RHODE ISLAND	6,275	5,908	99	1.68	3/ 4/	3/ 4/	108	1.83	3/ 4/	3/ 4/	23	0.39	3/ 4/	4/ 4/
SOUTH CAROLINA	63,015	24,222	667	2.75	15,686	64.76	730	3.01	23,019	95.03	133	0.55	970	4.00
SOUTH DAKOTA	73,249	6,361	129	2.03	4,192	65.90	148	2.33	6,174	97.06	16	0.25	146	2.30
TENNESSEE	83,757	34,793	944	2.71	34,134	96.11	1,055	3.03	49,256	141.57	107	0.31	1,495	4.30
TEXAS	272,427	125,218	3,699	2.95	135,859	108.50	4,213	3.36	204,666	163.45	732	0.58	6,367	5.08
UTAH	44,147	10,925	263	2.41	11,524	105.48	296	2.71	17,691	161.93	44	0.40	1,360	12.45
VERMONT	13,942	3,993	2/ 92	2.30	3/ 4/	2/ 107	2.68	3/ 4/	3/ 4/	3/ 4/	124	0.30	1,690	4.08
VIRGINIA	64,905	41,430	781	1.89	40,388	97.48	879	2.12	59,288	143.10	98	0.31	1,143	3.66
WASHINGTON	83,324	31,258	671	2.15	38,990	124.74	748	2.39	51,840	165.85	98	0.31	1,143	3.66
WEST VIRGINIA	34,568	10,932	407	3.72	16,187	148.07	465	4.25	25,854	236.50	46	0.42	675	6.17
WISCONSIN	108,059	32,794	669	2.04	36,422	111.06	770	2.35	52,830	161.10	94	0.29	1,833	5.59
WYOMING	36,945	5,281	173	3.28	3,812	72.18	201	3.81	5,836	110.51	24	0.45	169	3.20
SUM 5/	3,866,296	1,592,481	38,999	2.45	1,643,109	120.11	43,846	2.75	2,451,526	179.20	6,086	0.43	103,780	7.87
U. S. TOTAL 6/	3,866,296	1,592,481	38,999	2.45	1,668,595	123.62	43,846	2.75	2,942,072	184.75	6,879	0.43	125,272	7.87

1/ PER 100 MILLION VEHICLE MILES.
 2/ STATE'S TOTAL NOT SUBMITTED THROUGH HPMS; FARS DATA USED.
 3/ DATA NOT REPORTED BY STATE.
 4/ RATE CAN NOT BE COMPUTED.
 5/ U.S. ESTIMATES ARE SHOWN ON PAGE 1. SUM REFLECTS TOTAL OF DATA

SHOWN IN THIS TABLE. SEE FOOTNOTE 3.
 6/ ESTIMATES OF FATAL ACCIDENTS AND FATALITIES ARE BASED ON FARS DATA.
 ESTIMATES OF TRAVEL, INJURY ACCIDENTS, INJURIES, AND FATALITY AND NONFATALITY INJURED PEDESTRIANS WERE MADE BY FHWA.

D. National Trends

In the early 70's, "3 by 80" was a popular safety slogan. The goal to which the slogan referred was the achievement, by 1980, of a national rate below 3 fatalities per 100 million vehicle-miles. While the goal was not reached in 1980, the 1982 fatality rate is well below 3. Preliminary data for the first 8 months of 1983 indicate the 1983 rate will be even lower.

The 1982 drop in the mileage fatality rate was a continuation of a long-term downward trend. From a rate of more than 18 fatalities per 100 million vehicle miles in the mid-20's, as shown in Figure 1, the average rate has gone downwards more than 3 percent per year to a rate well below three fatalities per 100 million vehicle-miles in 1982.

Figures 2 and 3 show national traffic fatality and injury rate trends from 1967 through 1982 for Interstate and other highway systems. Fatality rate trends were gradually downward for all systems during this period. Although these trends were interrupted by relatively stable periods following a sharp drop in 1974, downward movement has resumed. Trends for reported injury rates have also been generally downward during the 1967-1982 period.

Figures 4 and 5 show national trends from 1978 through 1982 by highway system. In the mid-70's, non-Interstate Federal-aid highway systems were changed by adopting functional classifications as the basis for assignment of highways to each system. As a result of these changes, trend data are only available for a short period for most systems. The time period covered in Figures 4 and 5 corresponds largely with the period of relative stability which is apparent in Figures 2 and 3.

The data on which Figure 3 through 6 are based were published in the annual Federal Highway Administration report, Fatal and Injury Accident Rates on Federal-Aid and Other Highway Systems. # *** Figure 1 U.S. Motor Vehicle Fatality Rates: 1925-1982 *** Figure 2 U.S. Fatality Rates for Interstate and Other

Systems: 1967-1982 *** Figure 3 U.S. Injury Rates for Interstate and Other

Systems: 1967-1982 *** Figure 4 U.S. Fatality Rates by Highway System: 1978-82 *** Figure 5 U.S. Injury Rates by Highway System: 1978-82

**FIGURE 1. U.S. MOTOR VEHICLE TRAFFIC FATALITY RATES
(1925 - 1982)**

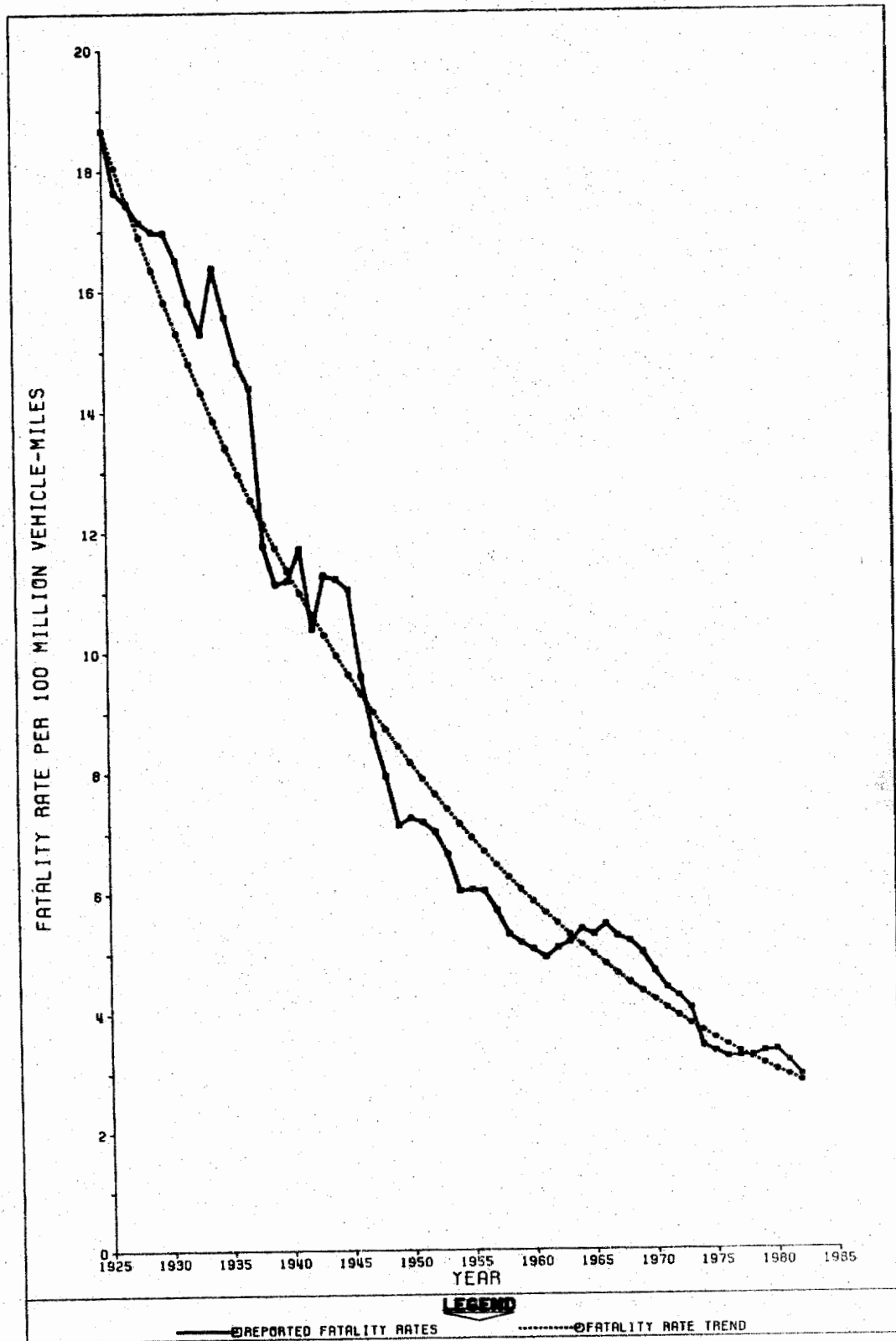


FIGURE 2. U.S. FATALITY RATES FOR INTERSTATE AND OTHER HIGHWAY SYSTEMS (1967-1982)

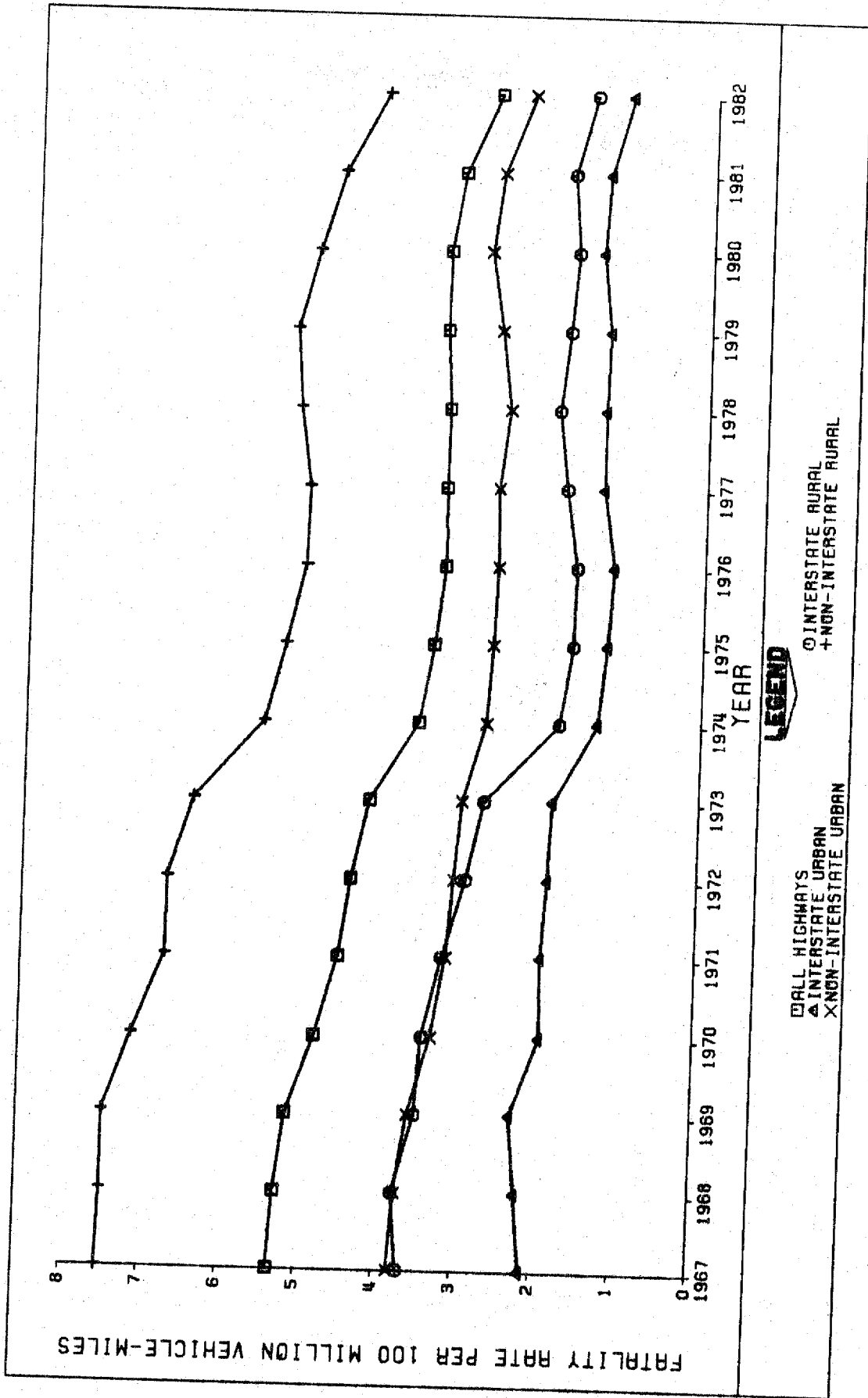


FIGURE 3. U.S. INJURY RATES FOR INTERSTATE AND OTHER HIGHWAY SYSTEMS (1967 - 1982)

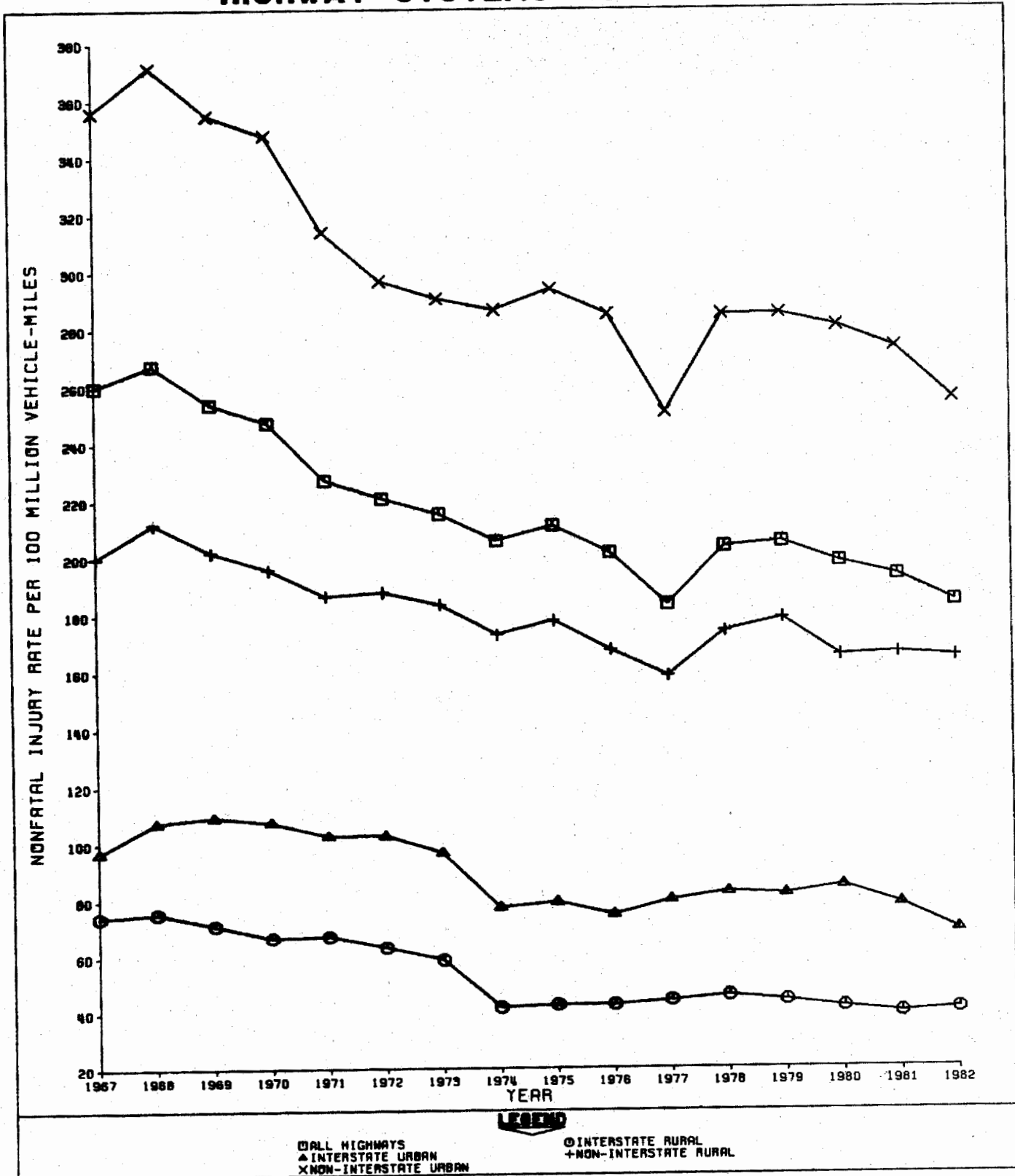


FIGURE 4. U.S. FATALITY RATES BY HIGHWAY SYSTEM (1978 - 1982)

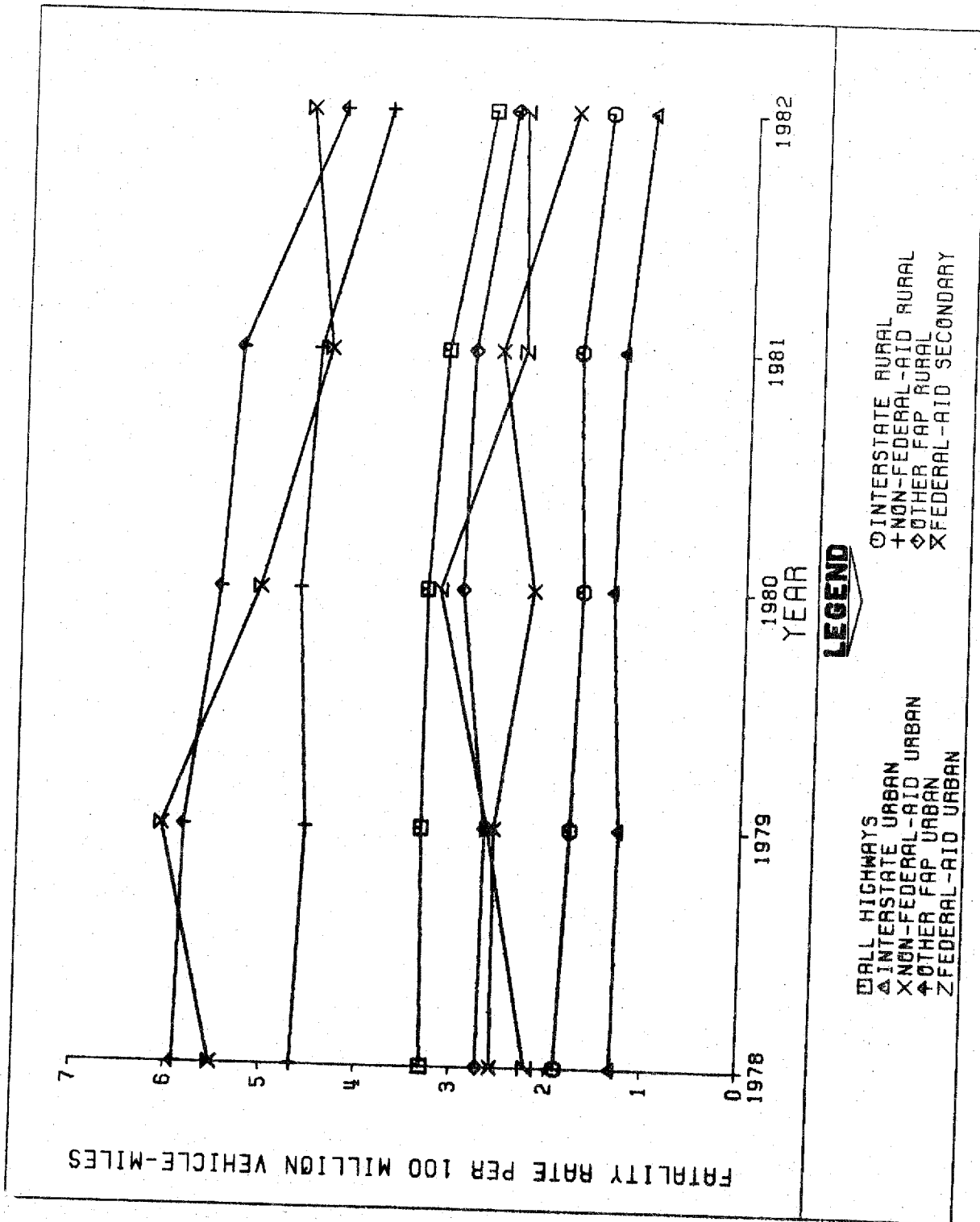
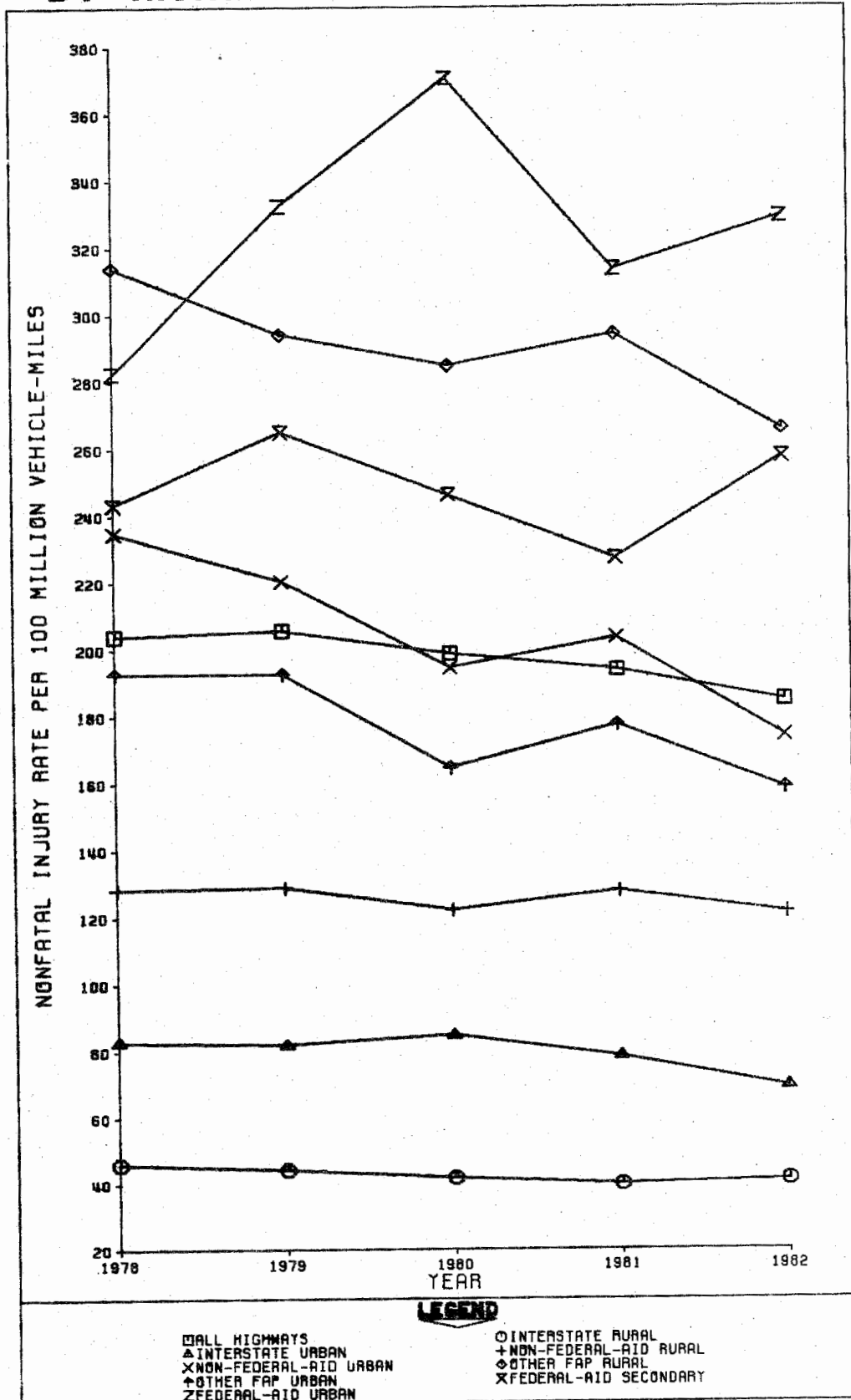


FIGURE 5. U.S. NONFATAL INJURY RATES BY HIGHWAY SYSTEM (1978 - 1982)



E. Comparison of State Statistics

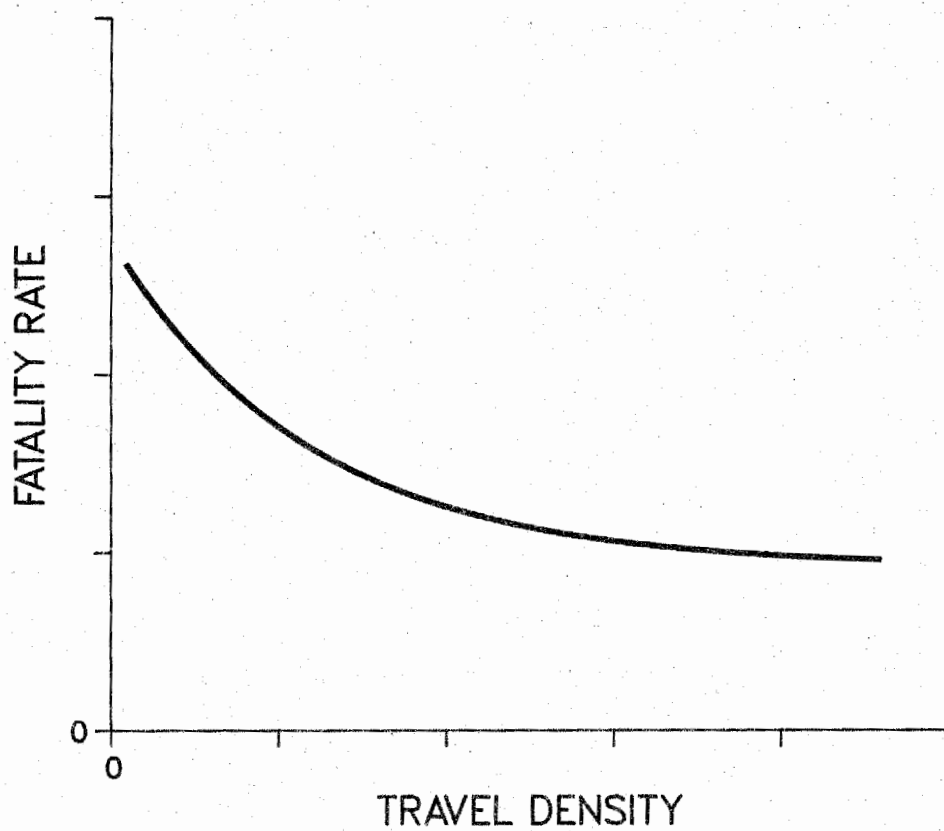
This report was prepared to help meet the need for statistical data to be used in comparing and evaluating the highway safety performance of the States. Those who use the report should be aware of some of the strengths and weaknesses of the data. For the most part, the data have been submitted by State highway departments through the FHWA's Highway Performance Monitoring System. Accident data originate in police accident reporting systems while the collection of travel and highway inventory data is a function of the highway departments themselves. The quality of the reported data is generally high but varies somewhat within the States. As is evident from the tables which follow in Section III, not every State was able to summarize its accident data in time for inclusion in this report.

Because all States report accident and related data to FHWA through a single system with carefully written guidelines, reported data are generally consistent. Differences due to variations in data collection procedures are usually marginal, but occasionally may be large enough to obscure or exaggerate real differences among the States. Evaluation of the highway safety performance of each State should include consideration of its record over a period of time as well as comparisons with other States.

One useful device for comparing fatality rates is the rate-density curve. Other things being equal, fatality rates in terms of fatalities per 100 million vehicle miles tend to be highest where the travel density—the ratio of vehicle-miles to highway miles—is low. The general shape of the rate-density curve—concave upward and sloping downward to the right—is shown in Figure 6. Rate-density curves were used in the 1976 "Highway Safety Needs Study," a DOT report to Congress, to illustrate the fatality rate reduction resulting from the adoption of safer design standards for Interstate highways. Just as fatality rates are normally higher on lightly traveled segments of Interstate highway than on segments where traffic is heavier, large sparsely populated States will normally have higher fatality rates than States with relatively high concentrations of people and traffic.

When basic rate-density relationships are disregarded, evaluation of State highway safety performance is most often based on comparison of State fatality rates with national fatality rates. This tends to focus undue attention on sparsely populated States and encourages complacency in States which have high population and travel densities. A low-density State might have highly effective speed limit enforcement and highway safety improvement programs, for example, but still have fatality rates substantially above those of a high-density State with ineffective safety programs. Rate-density relationships are used as a basis for fatality rate comparisons among States, by system, in Section V and within States, by year, in Section VI.

Figure 6. RELATIONSHIP BETWEEN FATALITY RATES AND TRAVEL DENSITY



SECTION II--VEHICLE MILEAGE RATES

The most commonly used measures of highway safety are fatality rates based on vehicle mileage. Such rates have been published and widely publicized for about 50 years by the National Safety Council. While other measures are sometimes more appropriate for comparisons and analysis, vehicle mileage rates serve as useful indices. In the tables which follow, rates per 100 million vehicle miles are listed by State and highway system for fatal accidents (Table 3), nonfatal injury accidents (Table 4), fatalities (Table 5), and nonfatally injured persons (Table 6).

The rates shown in these tables are uniformly carried out to two decimal places. This apparent precision surpasses the degree of accuracy of much of the data on which the computed rates are based. Collection and classification of information about miles of highway, vehicle miles of travel, and motor vehicle traffic accidents is a highly complex undertaking. Because of this complexity and the necessity of subjective judgments at many points in the process, the computed rates should be regarded as approximations, not as precise measurements.

TABLE 3-A. FATAL ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID INTERSTATE HIGHWAYS

STATE	RURAL				STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		
				NUMBER					RATE λ	NUMBER	RATE λ
COMPLETE DATA					COMPLETE DATA						
ALABAMA	542	2,724	11.625	34	1.25	182	1,980	29,806	16	0.81	
ALASKA	1,072	722	1.845	33	4.57	20	23,151	23,151	1	0.59	
ARIZONA	1,028	3,143	8.376	78	2.48	115	29,303	29,303	16	1.30	
ARKANSAS	425	2,132	13.744	19	0.89	115	1,075	56,706	14	0.73	
CALIFORNIA	1,459	9,046	16.987	191	2.11	804	28,650	97,628	208	1.84	
COLORADO	806	2,625	8.923	67	2.55	110	2,287	56,951	42	1.55	
DELAWARE	7	164	64.188	1	0.61	34	41,979	41,979	8	1.11	
DIST. OF COL.											
GEORGIA	931	6,813	20.049	64	0.94	232	5,402	63,793	60	1.11	
HAWAII	55	28,493	514.52	2	3.95	31	67,768	67,768	5	0.91	
IDAHO	551	1,139	5.663	25	2.19	52	270	14,226	7	1.85	
ILLINOIS	1,265	5,054	10.946	41	0.81	445	8,800	54,057	76	0.86	
INDIANA	855	3,209	16.691	41	0.79	259	3,684	38,970	24	0.65	
IOWA	612	2,202	9.858	15	0.68	124	832	18,383	9	1.08	
KANSAS	534	1,701	7.125	15	0.68	154	2,227	22,274	22	1.76	
KENTUCKY	596	3,655	16.602	29	0.79	141	2,150	41,776	25	1.16	
MAINE	282	9,113	59.113	2	0.21	31	6,864	48,488	2	0.44	
MASSACHUSETTS	172	1,370	21.622	10	0.73	380	5,864	48,305	30	0.51	
MICHIGAN	716	3,619	13.948	40	1.11	415	7,317	43,656	37	0.64	
MINNESOTA	696	2,062	8,117	11	0.53	177	2,823	48,585	18	1.21	
MISSOURI	833	3,733	12,278	28	0.75	285	5,114	7,773	62	0.80	
MONTANA	1,085	1,313	3,315	31	2.35	43	122	36,556	6	1.41	
NEBRASKA	487	1,418	8,711	9	0.63	35	427	30,786	6	1.41	
NEVADA	106	1,074	5,920	32	2.98	38	427	67,123	49	0.87	
NEW JERSEY	874	2,130	6,371	7	0.65	230	5,635	21,489	6	0.92	
NEW MEXICO	916	4,034	12,577	36	3.76	83	8,487	28,995	91	1.07	
NEW YORK	583	3,570	15,777	35	0.98	554	8,487	41,971	20	0.98	
NORTH CAROLINA	536	715	3,555	6	0.84	192	2,032	8,393	2	1.67	
NORTH DAKOTA	583	2,494	11,517	32	0.46	35	12,440	52,034	87	1.14	
OREGON	1,174	6,792	11,720	28	1.12	655	1,458	39,484	17	1.01	
PENNSYLVANIA	677	3,158	11,644	2	0.74	44	1,087	55,193	13	1.24	
RHODE ISLAND	616	1,119	4,977	25	1.68	79	985	34,160	0	0.81	
SOUTH CAROLINA	833	5,582	18,359	58	0.82	40	149	10,205	36	1.08	
TENNESSEE	2,735	9,178	11,246	215	1.22	196	3,323	46,450	312	1.81	
TEXAS	1,662	1,442	5,959	44	2.30	841	17,323	56,433	12	0.71	
UTAH	605	2,724	15,935	38	3.05	154	1,695	37,450	23	0.57	
VIRGINIA	471	2,724	15,845	18	0.66	224	4,042	51,990	22	1.43	
WASHINGTON	359	1,576	9,738	14	1.10	111	5,630	60,098	9	0.51	
WEST VIRGINIA	466	2,870	16,873	20	0.70	49	1,763	24,658	9	0.74	
WISCONSIN	849	1,376	4,440	29	2.11			43,515	1	0.74	
WYOMING								7,548			
SUBTOTAL	29,294	123,213	11,524	1,573	1.28	8,433	154,512	50,198	1,463	0.95	
INCOMPLETE DATA											
CONNECTICUT											
FLORIDA											
LOUISIANA											
MARYLAND											
MISSISSIPPI											
NEW HAMPSHIRE											
OKLAHOMA											
VERMONT											

λ FATAL ACCIDENTS PER 100 MILLION VEHICLE MILES.

TABLE 3-B. FATAL ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
OTHER FEDERAL-AID PRIMARY HIGHWAYS

STATE	RURAL					STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		
				NUMBER	RATE 1/					NUMBER	RATE 1/	
COMPLETE DATA						COMPLETE DATA						
ALABAMA	5,908	5,927	2,749	81	1.37	ALABAMA	699	2,652	10,394	55	2.07	
ALASKA	1,532	573	1,025	17	2.97	ALASKA	16	84	14,384	1	1.19	
ARIZONA	3,316	3,172	2,621	147	4.63	ARIZONA	166	1,143	18,864	34	2.97	
CALIFORNIA	9,819	17,644	4,923	656	3.72	CALIFORNIA	1,381	28,027	55,602	321	1.15	
COLORADO	3,993	4,037	2,770	146	3.62	COLORADO	322	4,837	41,155	55	1.14	
DELAWARE	349	1,288	10,111	33	2.56	DELAWARE	75	573	20,932	17	2.97	
DIST. OF COL.	-	-	-	-	-	DIST. OF COL.	158	1,373	23,808	17	1.24	
HAWAII	402	913	6,222	43	4.71	HAWAII	110	1,170	29,141	28	2.39	
IDAHO	2,575	1,580	1,681	76	4.81	IDAHO	39	144	10,116	1	0.69	
ILLINOIS	7,901	8,245	2,859	261	3.17	ILLINOIS	1,822	10,010	15,052	253	2.53	
INDIANA	4,190	7,018	4,589	184	2.62	INDIANA	795	3,933	13,554	55	1.40	
IOWA	8,193	5,785	1,934	138	2.39	IOWA	677	2,071	8,381	51	2.46	
KANSAS	7,767	4,729	1,668	158	3.34	KANSAS	338	1,320	10,700	23	1.74	
KENTUCKY	3,294	4,565	3,797	176	3.86	KENTUCKY	429	2,424	15,480	34	1.40	
MAINE	1,834	2,000	2,988	46	2.30	MAINE	159	587	10,115	9	1.53	
MASSACHUSETTS	1,015	2,597	7,010	37	1.42	MASSACHUSETTS	1,214	7,936	17,910	92	1.16	
MICHIGAN	4,684	8,059	4,714	311	3.86	MICHIGAN	1,246	9,924	21,821	37	0.37	
MINNESOTA	8,842	6,947	2,153	169	2.43	MINNESOTA	472	2,371	13,762	38	1.60	
MISSOURI	6,372	6,670	2,868	195	2.92	MISSOURI	565	3,460	16,778	58	1.68	
MONTANA	5,390	2,126	1,081	100	4.70	MONTANA	106	418	10,804	5	1.20	
NEBRASKA	6,999	3,580	1,401	85	2.37	NEBRASKA	262	1,098	11,482	22	2.00	
NEVADA	1,787	946	1,450	55	5.81	NEVADA	58	338	15,966	3	0.89	
NEW JERSEY	799	3,113	10,674	79	2.54	NEW JERSEY	641	8,321	35,565	155	1.86	
NEW MEXICO	3,394	2,748	2,218	142	5.17	NEW MEXICO	174	666	10,487	33	4.95	
NEW YORK	6,498	8,946	3,772	264	2.95	NEW YORK	1,864	17,381	25,547	342	1.97	
NORTH CAROLINA	3,724	6,998	5,148	185	2.66	NORTH CAROLINA	600	3,767	17,201	65	1.73	
NORTH DAKOTA	5,464	1,711	858	48	2.81	NORTH DAKOTA	128	400	8,562	5	1.25	
OHIO	4,796	8,890	5,078	249	2.80	OHIO	1,530	5,994	10,733	144	2.40	
OREGON	4,600	4,445	2,647	198	3.55	OREGON	358	2,203	16,859	37	1.68	
PENNSYLVANIA	8,097	14,631	4,951	451	3.08	PENNSYLVANIA	1,833	11,819	17,665	222	1.88	
RHODE ISLAND	214	532	6,811	17	3.20	RHODE ISLAND	163	710	11,934	16	2.25	
SOUTH CAROLINA	5,074	6,516	3,518	220	3.38	SOUTH CAROLINA	412	2,703	17,974	46	1.70	
SOUTH DAKOTA	5,738	2,356	1,125	54	2.29	SOUTH DAKOTA	113	421	10,207	6	1.43	
TENNESSEE	5,082	6,484	3,496	263	4.06	TENNESSEE	803	4,029	13,746	67	1.66	
TEXAS	15,067	19,148	3,482	793	4.14	TEXAS	1,570	12,682	22,131	328	2.59	
UTAH	2,473	1,535	1,701	63	4.10	UTAH	103	454	12,076	5	1.10	
VIRGINIA	4,953	8,280	4,580	214	2.58	VIRGINIA	443	3,292	20,359	41	1.25	
WASHINGTON	4,447	5,284	3,255	61	1.15	WASHINGTON	530	3,702	19,137	26	0.70	
WEST VIRGINIA	2,253	2,573	3,129	128	4.97	WEST VIRGINIA	180	755	11,492	27	3.58	
WISCONSIN	7,978	8,982	3,085	195	2.17	WISCONSIN	967	4,589	13,002	56	1.22	
WYOMING	2,888	1,448	1,374	58	4.01	WYOMING	92	365	10,870	9	2.47	
SUBTOTAL	189,701	213,021	3,077	6,757	3.17	SUBTOTAL	23,613	170,146	19,741	2,839	1.67	
INCOMPLETE DATA						INCOMPLETE DATA						
ARKANSAS						ARKANSAS						
CONNECTICUT						CONNECTICUT						
FLORIDA						FLORIDA						
GEORGIA						GEORGIA						
LOUISIANA						LOUISIANA						
MARYLAND						MARYLAND						
MISSISSIPPI						MISSISSIPPI						
NEW HAMPSHIRE						NEW HAMPSHIRE						
OKLAHOMA						OKLAHOMA						
VERMONT						VERMONT						

1/ FATAL ACCIDENTS PER 100 MILLION VEHICLE MILES.

TABLE 3-C. FATAL ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID URBAN HIGHWAYS

STATE	ARTERIAL					STATE	COLLECTOR				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS	
				NUMBER	RATE ^{1/}					NUMBER	RATE ^{1/}
COMPLETE DATA						COMPLETE DATA					
ALASKA	81	447	15,119	9	2.01	ALASKA	29	77	7,274	1	1.30
ARIZONA	1,162	4,299	10,136	139	3.21	ARIZONA	529	911	4,718	10	1.10
CALIFORNIA	11,425	53,716	12,881	1,495	2.78	CALIFORNIA	4,271	5,371	3,445	132	2.46
COLORADO	1,330	2,610	5,376	95	3.64	COLORADO	952	823	2,368	17	2.07
DELAWARE	154	591	10,514	15	2.54	DELAWARE	117	215	5,035	4	1.86
DIST. OF COL.	107	641	16,413	12	1.87	DIST. OF COL.	136	321	6,467	0	0.00
HAWAII	126	952	20,700	23	2.42	HAWAII	56	269	13,160	5	1.86
IDAHO	268	959	9,804	15	1.56	IDAHO	304	494	4,452	3	0.61
ILLINOIS	3,457	13,047	10,340	326	2.50	ILLINOIS	2,950	5,620	5,219	74	1.32
INDIANA	2,952	6,625	6,149	161	2.43	INDIANA	1,802	1,511	2,297	32	2.12
IOWA	1,313	2,264	4,724	31	1.37	IOWA	905	624	1,889	7	1.12
KANSAS	1,052	2,467	6,425	37	1.50	KANSAS	477	273	1,568	2	0.73
KENTUCKY	1,032	3,362	8,925	70	2.08	KENTUCKY	727	1,087	4,096	26	2.39
MAINE	342	787	6,305	8	1.02	MAINE	308	233	2,073	2	0.86
MASSACHUSETTS	3,322	9,948	9,204	151	1.52	MASSACHUSETTS	2,483	2,449	2,702	38	1.55
MICHIGAN	2,908	12,735	11,998	83	0.65	MICHIGAN	1,920	3,523	5,027	7	0.20
MINNESOTA	1,488	4,700	8,654	51	1.09	MINNESOTA	554	439	2,171	9	2.05
MISSOURI	2,428	6,197	6,993	105	1.69	MISSOURI	1,249	1,245	2,731	9	0.72
MONTANA	238	473	5,445	10	2.11	MONTANA	92	50	1,489	1	2.00
NEBRASKA	612	1,530	6,849	19	1.24	NEBRASKA	347	348	2,748	2	0.57
NEVADA	442	1,971	12,217	80	4.06	NEVADA	63	32	1,392	0	0.00
NEW JERSEY	3,547	12,534	9,681	344	2.74	NEW JERSEY	1,812	3,015	4,559	70	2.32
NEW MEXICO	477	1,917	11,011	50	2.61	NEW MEXICO	133	208	4,285	7	3.37
NEW YORK	5,101	13,885	7,458	574	4.13	NEW YORK	2,840	3,480	3,357	99	2.84
NORTH CAROLINA	1,961	6,445	9,004	100	1.85	NORTH CAROLINA	248	134	1,480	11	8.21
NORTH DAKOTA	197	337	4,687	7	2.08	NORTH DAKOTA	197	157	2,183	3	1.91
OHIO	3,394	7,000	5,651	245	3.50	OHIO	3,893	3,904	2,747	142	3.64
OREGON	992	2,633	7,272	71	2.70	OREGON	872	860	2,702	12	1.40
PENNSYLVANIA	3,642	11,307	8,506	222	1.96	PENNSYLVANIA	3,059	3,769	3,376	25	0.69
RHODE ISLAND	473	1,731	10,026	22	1.27	RHODE ISLAND	372	387	2,850	5	1.29
SOUTH CAROLINA	611	1,450	6,502	27	1.86	SOUTH CAROLINA	194	230	3,248	5	2.17
SOUTH DAKOTA	259	330	3,491	2	0.61	SOUTH DAKOTA	82	43	1,437	0	0.00
TENNESSEE	1,234	4,096	9,094	117	2.85	TENNESSEE	1,091	1,262	3,169	28	2.22
TEXAS	5,492	19,721	9,838	325	1.65	TEXAS	1,433	1,335	2,552	5	0.37
UTAH	494	2,279	12,639	46	2.02	UTAH	284	597	5,759	14	2.35
VIRGINIA	1,898	7,603	10,975	145	1.91	VIRGINIA	977	1,253	3,514	19	1.52
WASHINGTON	2,185	5,589	7,008	264	4.72	WASHINGTON	1,654	1,488	2,465	18	1.21
WEST VIRGINIA	385	1,035	7,365	19	1.84	WEST VIRGINIA	399	470	3,227	2	0.43
WISCONSIN	1,948	4,392	6,177	25	0.57	WISCONSIN	815	632	2,125	5	0.79
WYOMING	227	368	4,441	6	1.63	WYOMING	200	178	2,438	5	2.81
SUBTOTAL	70,756	234,973	9,098	5,545	2.36	SUBTOTAL	40,826	49,317	3,310	857	1.74
INCOMPLETE DATA						INCOMPLETE DATA					
ALABAMA						ALABAMA					
ARKANSAS						ARKANSAS					
CONNECTICUT						CONNECTICUT					
FLORIDA						FLORIDA					
GEORGIA						GEORGIA					
LOUISIANA						LOUISIANA					
MARYLAND						MARYLAND					
MISSISSIPPI						MISSISSIPPI					
NEW HAMPSHIRE						NEW HAMPSHIRE					
OKLAHOMA						OKLAHOMA					
VERMONT						VERMONT					

^{1/} FATAL ACCIDENTS PER 100 MILLION VEHICLE MILES.

**TABLE 3-D. FATAL ACCIDENTS
BY STATE AND HIGHWAY SYSTEM - 1962
FEDERAL-AID SECONDARY HIGHWAYS**

STATE	COLLECTOR, RURAL				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS	
				NUMBER	RATE ^{1/}
COMPLETE DATA					
ALABAMA	11,074	3,516	870	88	2.50
ALASKA	2,324	720	849	16	2.22
ARIZONA	3,136	1,555	1,359	77	4.95
CALIFORNIA	11,103	7,715	1,904	406	5.26
COLORADO	3,441	1,140	908	60	5.26
DELAWARE	630	489	2,127	19	3.89
DIST. OF COL.	-	-	-	-	-
HAWAII	434	301	1,900	14	4.65
IDAHO	4,250	1,738	1,120	35	2.01
ILLINOIS	12,856	3,287	700	140	4.26
INDIANA	9,093	3,536	1,065	159	4.50
IOWA	13,341	2,299	472	83	3.61
KANSAS	22,530	2,164	263	75	3.47
KENTUCKY	7,295	3,857	1,449	196	5.08
MAINE	2,742	1,290	1,289	29	2.25
MASSACHUSETTS	2,006	1,583	2,162	40	2.53
MICHIGAN	19,019	8,637	1,244	29	0.34
MINNESOTA	16,281	3,037	511	91	3.00
MISSOURI	18,090	4,660	706	171	3.67
MONTANA	4,717	423	246	30	7.09
NEBRASKA	11,411	1,046	251	26	2.49
NEVADA	2,332	662	778	42	6.34
NEW JERSEY	1,731	2,173	3,439	81	3.73
NEW MEXICO	3,945	1,085	754	80	7.37
NEW YORK	6,381	3,836	1,647	178	4.64
NORTH CAROLINA	10,437	8,393	2,203	308	3.67
NORTH DAKOTA	10,455	675	177	29	4.30
OHIO	11,826	7,122	1,650	225	3.16
OREGON	7,709	1,622	576	76	4.69
PENNSYLVANIA	8,222	5,219	1,739	195	3.74
RHODE ISLAND	166	163	2,690	4	2.45
SOUTH CAROLINA	8,863	4,081	1,262	148	3.63
SOUTH DAKOTA	10,867	894	225	25	2.80
TENNESSEE	9,820	3,656	1,020	174	4.76
TEXAS	32,705	12,048	1,009	574	4.76
UTAH	2,556	635	681	22	3.46
VIRGINIA	10,360	4,759	1,259	149	3.13
WASHINGTON	7,081	2,501	968	19	0.76
WEST VIRGINIA	6,327	2,740	1,186	149	5.44
WISCONSIN	11,737	3,762	878	192	5.10
WYOMING	2,281	400	480	25	6.25
SUBTOTAL	341,574	119,419	958	4,479	3.75
INCOMPLETE DATA					
ARKANSAS					
CONNECTICUT					
FLORIDA					
GEORGIA					
LOUISIANA					
MARYLAND					
MISSISSIPPI					
NEW HAMPSHIRE					
OKLAHOMA					
VERMONT					

^{1/} FATAL ACCIDENTS PER 100 MILLION VEHICLE MILES.

TABLE 3-E. FATAL ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID ARTERIAL HIGHWAYS

STATE	RURAL					STATE	URBAN				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS	
				NUMBER	RATE 1/					NUMBER	RATE 1/
COMPLETE DATA	-	-	-	-	-	COMPLETE DATA	-	-	-	-	-
ALABAMA	-	-	-	-	-	ALASKA	-	-	-	-	-
ALASKA	-	-	-	-	-	ARIZONA	22	85	10,585	1	1.18
ARIZONA	15	17	3,105	1	5.88	CALIFORNIA	1,279	5,380	11,524	62	1.15
CALIFORNIA	31	73	6,452	2	2.74	COLORADO	4	5	3,425	0	0.00
COLORADO	-	-	-	-	-	DELAWARE	3	4	3,653	0	0.00
DELAWARE	1	1	2,740	0	0.00	DIST. OF COL.	11	94	23,412	1	1.06
DIST. OF COL.	-	-	-	-	-	GEORGIA	-	-	-	-	-
GEORGIA	-	-	-	-	-	HAWAII	13	56	11,802	1	1.79
HAWAII	10	44	12,055	0	0.00	IDAHO	28	5	489	0	0.00
IDAHO	-	-	-	-	-	ILLINOIS	79	118	4,092	4	3.39
ILLINOIS	-	-	-	-	-	INDIANA	12	177	40,411	4	2.26
INDIANA	35	71	5,558	2	2.82	IOWA	15	27	4,932	0	0.00
IOWA	-	-	-	-	-	KANSAS	210	610	7,958	16	2.62
KANSAS	48	61	3,482	2	3.28	KENTUCKY	1	1	2,740	0	0.00
KENTUCKY	-	-	-	-	-	MAINE	15	43	7,854	4	9.30
LOUISIANA	-	-	-	-	-	MASSACHUSETTS	18	54	8,219	0	0.00
MAINE	41	72	4,811	1	1.39	MICHIGAN	163	330	5,547	3	0.91
MASSACHUSETTS	-	-	-	-	-	MINNESOTA	66	37	1,536	4	10.81
MICHIGAN	-	-	-	-	-	MISSOURI	203	369	4,980	27	7.32
MINNESOTA	9	8	2,435	0	0.00	MONTANA	35	48	3,757	0	0.00
MISSOURI	93	17	501	1	5.88	NEBRASKA	-	-	-	-	-
MONTANA	-	-	-	-	-	NEVADA	11	28	6,974	0	0.00
NEBRASKA	-	-	-	-	-	NEW JERSEY	282	3,327	32,323	43	1.29
NEVADA	1	4	10,959	0	0.00	NEW MEXICO	100	126	3,452	1	0.79
NEW JERSEY	139	1,208	23,810	16	1.32	NEW YORK	124	1,423	31,441	4	0.28
NEW MEXICO	-	-	-	-	-	NORTH CAROLINA	1,275	1,909	4,102	31	1.62
NEW YORK	-	-	-	-	-	NORTH DAKOTA	4	5	3,425	0	0.00
NORTH CAROLINA	249	134	1,474	1	0.75	OHIO	-	-	-	-	-
NORTH DAKOTA	-	-	-	-	-	OREGON	55	112	5,579	1	0.89
OHIO	-	-	-	-	-	PENNSYLVANIA	-	-	-	-	-
OREGON	210	126	1,644	8	6.35	RHODE ISLAND	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	SOUTH CAROLINA	296	463	4,285	8	1.73
RHODE ISLAND	-	-	-	-	-	SOUTH DAKOTA	7	7	2,740	0	0.00
SOUTH CAROLINA	-	-	-	-	-	TENNESSEE	-	-	-	-	-
SOUTH DAKOTA	14	6	1,174	1	16.67	TEXAS	1,846	5,361	7,956	387	7.22
TENNESSEE	-	-	-	-	-	UTAH	58	45	2,126	0	0.00
TEXAS	-	-	-	-	-	VERMONT	-	-	-	-	-
UTAH	1	1	2,740	0	0.00	VIRGINIA	54	275	13,952	3	1.09
VERMONT	-	-	-	-	-	WEST VIRGINIA	3	18	16,438	0	0.00
VIRGINIA	309	219	1,942	2	0.91	WISCONSIN	145	293	5,536	2	0.68
WASHINGTON	17	2	322	0	0.00	WYOMING	2	12	16,438	0	0.00
WEST VIRGINIA	8	27	9,247	0	0.00						
WISCONSIN	-	-	-	-	-	SUBTOTAL	6,439	20,847	8,870	607	2.91
WYOMING	251	104	1,135	0	0.00						
SUBTOTAL	1,482	2,195	4,058	37	1.69	INCOMPLETE DATA					
INCOMPLETE DATA						ALABAMA					
ARKANSAS						ARKANSAS					
CONNECTICUT						CONNECTICUT					
FLORIDA						FLORIDA					
LOUISIANA						LOUISIANA					
MARYLAND						MARYLAND					
MISSISSIPPI						MISSISSIPPI					
NEW HAMPSHIRE						NEW HAMPSHIRE					
OKLAHOMA						OKLAHOMA					
						WASHINGTON					

1/ FATAL ACCIDENTS PER 100 MILLION VEHICLE MILES.

TABLE 3-F. FATAL ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID COLLECTOR HIGHWAYS

STATE	RURAL				STATE	URBAN							
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS				
				NUMBER					RATE 1/	NUMBER	RATE 1/		
COMPLETE DATA													
ALABAMA	7,349	992	370	70	7.06	660	354	1,469	34	9.60			
ALASKA	1,001	245	671	30	0.82	27	27	2,740	1	3.70			
ARIZONA	4,840	592	392	30	4.34	459	559	3,337	10	1.79			
CALIFORNIA	12,112	3,077	696	154	5.00	2,496	2,766	3,036	62	2.24			
COLORADO	16,246	1,367	231	66	4.83	35	25	1,957	6	24.00			
DELAWARE	164	69	1,153	1	1.45	21	21	5,479	0	0.00			
DIST. OF COL.													
HAWAII	231	220	2,609	10	4.55	5	10	6,328	0	0.00			
IDAHO	4,740	222	128	17	3.15	87	220	2,111	1	0.45			
ILLINOIS	5,062	1,931	1,045	45	2.38	65	5	1,800	0	0.00			
INDIANA	10,850	2,297	580	35	1.48	175	115	8,347	0	0.97			
IOWA	16,472	688	114	28	4.07	43	131	1,391	3	2.59			
KANSAS	9,430	268	78	6	2.24	65	33	2,982	0	0.90			
KENTUCKY	9,386	1,587	463	79	4.98	294	320	1,294	4	4.17			
MAINE	2,814	576	521	15	2.60	123	120	1,842	5	23.53			
MASSACHUSETTS	1,954	443	81	15	3.39	36	17	3,250	4	3.21			
MICHIGAN	7,828	1,534	557	183	11.93	2,003	2,449	3,278	4	0.16			
MINNESOTA	12,143	1,930	210	32	3.44	1,227	1,468	3,550	7	1.23			
MISSOURI	11,191	278	140	8	2.88	240	311	1,499	2	3.13			
MONTANA	5,456	300	73	10	2.49	117	64	2,165	7	5.47			
NEBRASKA	11,191	321	76	8	3.58	162	128	2,965	5	16.67			
NEVADA	2,418	136	154	5	2.77	95	30	3,445	4	1.45			
NEW JERSEY	3,234	1,084	2,295	30	7.84	255	276	1,706	2	1.37			
NEW MEXICO	11,002	4,169	246	22	2.52	377	474	1,826	2	14.29			
NORTH CAROLINA	9,477	2,585	747	105	3.75	1,055	657	1,948	6	4.69			
NORTH DAKOTA	8,131	207	70	143	5.53	180	128	1,965	9	2.30			
OHIO	7,539	1,840	669	9	4.35	576	392	3,379	1	1.35			
PENNSYLVANIA	9,380	1,037	303	69	3.75	60	74	3,125	2	2.39			
RHODE ISLAND	9,156	2,354	704	12	1.16	3,707	4,228	2,378	101	0.78			
SOUTH CAROLINA	221	111	1,376	76	3.21	295	256	1,549	0	0.00			
SOUTH DAKOTA	4,107	499	333	2	1.80	23	13	3,523	0	0.00			
TENNESSEE	7,554	225	82	19	3.81	47	40	2,084	3	0.74			
TEXAS	6,743	529	291	8	3.56	576	392	2,332	0	0.00			
UTAH	20,739	2,096	337	110	2.17	60	74	2,822	318	1.95			
VIRGINIA	4,678	178	291	18	4.99	392	392	1,965	9	2.30			
WASHINGTON	2,359	360	418	34	19.10	3,707	4,228	3,125	2	0.78			
WEST VIRGINIA	7,573	923	409	13	3.61	23	13	1,549	0	0.00			
WISCONSIN	2,210	330	409	52	5.63	7	9	3,523	0	0.00			
WYOMING	5,698	968	396	14	3.94	531	404	2,084	3	0.74			
	7,560	502	182	24	1.45	47	40	2,332	0	0.00			
SUBTOTAL	282,976	38,878	376	1,582	4.07	15,801	16,277	2,822	318	1.95			
INCOMPLETE DATA													
ARKANSAS													
CONNECTICUT													
FLORIDA													
GEORGIA													
LOUISIANA													
MARYLAND													
MISSISSIPPI													
NEW HAMPSHIRE													
OKLAHOMA													
VERMONT													
1/ FATAL ACCIDENTS PER 100 MILLION VEHICLE MILES.													

TABLE 3-G. FATAL ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID LOCAL HIGHWAYS

STATE	RURAL			URBAN						
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS NUMBER	RATE 1/	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS NUMBER	RATE 1/
COMPLETE DATA										
ALABAMA	48,782	2,724	153	230	8.44	9,710	2,738	773	135	4.93
ALASKA	2,784	368	362	11	2.99	999	270	740	2	0.74
ARIZONA	95,065	1,613	80	56	3.47	6,437	1,310	558	38	2.90
ARKANSAS	84,857	1,084	66	65	6.00	4,706	644	375	30	4.66
CALIFORNIA	76,850	4,234	151	194	4.58	40,858	4,300	288	239	5.56
COLORADO	41,752	1,417	93	27	1.91	6,442	2,613	1,111	16	0.61
DELAWARE	2,759	347	345	14	4.03	955	330	947	3	0.91
DIST. OF COL.										
HAWAII	1,770	296	458	2	0.68	897	787	2,365	1	1.02
IDaho	54,034	786	138	35	4.68	1,468	553	1,018	8	1.61
ILLINOIS	76,574	3,237	115	109	3.37	21,418	6,371	815	145	2.28
INDIANA	49,009	1,759	98	91	5.17	11,759	3,252	1,548	50	1.54
IOWA	65,466	1,505	63	53	3.52	5,005	1,011	553	16	1.58
KANSAS	83,420	1,218	40	52	4.35	5,833	1,275	599	23	1.80
KENTUCKY	41,175	1,805	120	82	3.43	4,475	1,014	521	24	2.37
MAINE	12,000	657	150	23	3.50	1,349	230	457	6	2.61
MASSACHUSETTS	8,068	461	157	66	14.32	12,936	2,805	594	128	4.56
MICHIGAN	60,933	1,155	53	258	22.34	16,450	1,918	319	266	13.87
MINNESOTA	90,260	2,253	77	55	2.44	9,008	2,109	841	12	0.57
MISSOURI	73,985	2,082	77	66	3.17	8,894	876	270	4	0.57
MONTANA	45,659	815	36	21	3.41	1,656	699	1,150	13	2.56
NEBRASKA	34,440	1,119	54	36	4.17	3,044	508	457	7	1.74
NEVADA	7,386	752	29	11	4.26	15,628	9,541	1,673	79	0.83
NEW JERSEY	37,856	747	279	32	5.62	3,735	1,008	862	22	2.18
NEW MEXICO	48,676	5,121	286	42	2.30	25,132	9,238	991	143	1.55
NEW YORK	51,365	2,999	160	209	6.97	11,755	3,477	810	51	1.47
NORTH CAROLINA	59,894	7,077	32	114	6.98	1,979	204	571	3	1.47
NORTH DAKOTA	56,892	6,168	297	148	2.40	19,743	11,434	1,587	115	1.01
OHIO	102,836	51,415	36	123	1.70	5,835	886	416	15	1.69
PENNSYLVANIA	51,415	1,353	245	105	1.91	19,002	5,272	760	209	3.96
RHODE ISLAND	2,018	2,889	392	127	4.32	2,576	819	971	15	1.63
SOUTH CAROLINA	37,231	2,824	207	3	1.84	4,895	937	524	24	2.56
SOUTH DAKOTA	46,850	1,524	31	14	2.67	1,009	213	578	11	5.16
TENNESSEE	49,343	1,557	87	115	7.34	8,612	3,565	1,261	58	1.49
TEXAS	141,815	4,897	90	250	6.25	44,976	17,351	922	19	1.70
UTAH	28,563	4,576	55	2	0.35	3,655	3,935	1,196	50	1.54
VIRGINIA	33,729	2,811	228	84	2.99	8,782	3,196	1,284	3	1.70
WEST VIRGINIA	20,477	873	117	18	2.06	1,890	837	837	63	2.23
WISCONSIN	67,401	1,311	53	85	6.48	5,262	2,928	837	5	3.97
WYOMING	21,622	1,227	29	11	4.85	877	126	394	5	2.17
SUBTOTAL	1,892,683	69,919	101	2,978	4.26	364,859	109,157	820	2,367	
INCOMPLETE DATA										
CONNECTICUT										
FLORIDA										
GEORGIA										
LOUISIANA										
MARYLAND										
MISSISSIPPI										
NEW HAMPSHIRE										
OKLAHOMA										
VERMONT										
WASHINGTON										

1/ FATAL ACCIDENTS PER 100 MILLION VEHICLE MILES.

TABLE 4-A. NONFATAL INJURY ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID INTERSTATE HIGHWAYS

STATE	RURAL				STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS		RATE \downarrow	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS	RATE \downarrow
COMPLETE DATA											
ALABAMA	642	2,724	11,625	411	15.09	182	1,980	29,806	619	31.26	
ALASKA	1,072	3,722	8,376	396	54.85	20	169	23,151	288	170.41	
ARIZONA	1,028	3,143	8,376	366	30.73	115	1,230	29,303	896	72.85	
ARKANSAS	425	2,132	13,744	383	17.96	115	1,079	25,705	457	42.28	
CALIFORNIA	1,459	9,046	16,987	2,201	24.33	804	28,550	97,628	9,415	32.86	
COLORADO	1,806	2,625	8,923	1,102	41.98	110	2,587	56,961	1,762	77.04	
DELAWARE	7	184	64,188	40	24.39	34	516	41,579	138	26.74	
DIST. OF COL.											
GEORGIA	931	6,813	20,049	1,654	24.28	12	360	82,192	237	65.83	
HAWAII	5	52	28,493	57	109.62	232	5,402	63,793	1,331	24.64	
IDAHO	551	1,139	5,663	432	37.93	31	768	67,874	647	84.24	
ILLINOIS	1,265	5,054	10,946	1,270	25.13	52	270	14,225	130	48.15	
INDIANA	655	5,209	16,591	563	18.49	446	8,800	58,057	5,653	64.24	
IOWA	512	2,202	9,858	471	21.39	239	3,684	38,970	714	19.38	
KANSAS	554	1,701	7,126	506	29.75	124	832	18,383	446	53.61	
KENTUCKY	596	3,685	16,802	636	17.40	154	1,252	22,274	752	60.06	
MAINE	282	938	9,113	322	34.33	141	2,150	41,776	728	33.86	
MASSACHUSETTS	172	1,370	14,822	204	14.89	31	219	19,355	136	62.10	
MICHIGAN	716	3,619	13,848	1,972	51.73	380	5,864	48,488	860	12.53	
MINNESOTA	695	2,082	8,117	230	11.15	415	7,317	48,305	3,197	43.69	
MISSOURI	833	3,783	12,278	533	16.96	177	2,623	43,696	1,524	53.99	
MONTANA	1,085	1,313	3,315	465	35.42	286	5,114	48,989	2,046	40.01	
NEBRASKA	487	1,418	8,711	224	15.80	43	122	7,773	64	52.46	
NEVADA	108	1,069	5,920	363	33.80	35	427	36,556	318	68.09	
NEW JERSEY	915	2,130	6,371	200	18.11	38	467	30,785	345	80.80	
NEW MEXICO	874	4,044	12,677	842	39.53	230	5,635	67,123	2,333	41.40	
NEW YORK	983	3,570	16,777	2,027	50.12	83	651	21,489	363	55.76	
NORTH CAROLINA	536	3,570	16,777	743	20.81	192	1,921	41,971	6,425	75.70	
NORTH DAKOTA	882	6,959	21,617	1,337	19.21	35	120	9,393	699	34.40	
OHIO	583	2,454	11,720	467	18.72	655	12,440	52,034	5,509	44.28	
OREGON	1,174	5,752	15,850	1,964	28.92	124	1,485	32,810	619	41.68	
PENNSYLVANIA	616	3,156	12,780	380	11.08	223	4,655	39,484	2,105	45.22	
SOUTH CAROLINA	833	1,119	4,977	228	20.38	79	985	34,160	224	22.74	
SOUTH DAKOTA	2,236	9,178	18,359	771	13.81	40	149	10,205	86	57.72	
TENNESSEE	605	1,442	5,959	2,506	27.30	196	3,323	46,450	1,482	44.60	
TEXAS	805	4,688	15,955	1,012	40.64	841	17,323	56,433	12,980	74.93	
UTAH	471	2,724	10,845	441	21.59	124	1,695	37,430	611	36.05	
VIRGINIA	359	1,276	9,738	313	16.19	213	4,042	51,990	1,483	36.69	
WASHINGTON	849	2,870	16,873	519	18.08	234	5,133	60,098	1,148	22.37	
WEST VIRGINIA						70	630	24,658	347	55.08	
WISCONSIN						111	1,763	43,515	891	50.54	
WYOMING						49	135	7,548	68	50.37	
SUBTOTAL	29,256	123,094	11,523	30,900	25.10	8,389	153,465	50,119	70,123	45.69	
INCOMPLETE DATA											
CONNECTICUT											
FLORIDA											
LOUISIANA											
MARYLAND											
MISSISSIPPI											
NEW HAMPSHIRE											
OKLAHOMA											
RHODE ISLAND											
VERMONT											
\downarrow NONFATAL INJURY ACCIDENTS PER 100 MILLION VEHICLE MILES.											

TABLE 4-B. NONFATAL INJURY ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
OTHER FEDERAL-AID PRIMARY HIGHWAYS

STATE	RURAL					STATE	URBAN				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS	
				NUMBER	RATE 1/					NUMBER	RATE 1/
COMPLETE DATA						COMPLETE DATA					
ALABAMA	5,908	5,927	2,749	2,967	50.06	ALABAMA	699	2,652	10,394	2,495	94.08
ALASKA	1,532	573	1,025	298	52.01	ALASKA	16	84	14,384	198	235.71
ARIZONA	3,316	3,172	2,621	1,413	44.55	ARIZONA	166	1,143	18,964	2,938	257.04
CALIFORNIA	9,819	17,644	4,923	10,042	56.91	CALIFORNIA	1,381	28,027	59,602	12,477	44.52
COLORADO	3,993	4,037	2,770	2,395	59.33	COLORADO	322	4,837	41,155	4,048	83.69
DELAWARE	349	1,289	10,111	715	55.51	DELAWARE	75	573	20,932	873	152.36
DIST. OF COL.	-	-	-	-	-	DIST. OF COL.	158	1,373	23,808	2,723	198.32
HAWAII	402	913	6,222	854	93.54	HAWAII	110	1,170	29,141	1,607	137.35
IDAHO	2,575	1,580	1,581	1,224	77.47	IDAHO	39	144	10,116	264	183.33
ILLINOIS	7,901	8,245	2,859	6,546	79.39	ILLINOIS	1,822	10,010	15,052	22,070	220.48
INDIANA	4,190	7,018	4,589	6,820	97.18	INDIANA	795	3,933	13,554	739	18.79
IOWA	8,193	5,785	1,934	3,298	57.01	IOWA	677	2,071	8,381	4,759	229.79
KANSAS	7,767	4,729	1,668	2,452	51.85	KANSAS	338	1,320	10,700	2,001	151.59
KENTUCKY	3,294	4,565	3,797	3,471	76.04	KENTUCKY	429	2,424	15,480	2,815	116.13
MAINE	1,834	2,000	2,988	1,727	86.35	MAINE	159	587	10,115	1,306	222.49
MASSACHUSETTS	1,015	2,597	7,010	1,187	45.71	MASSACHUSETTS	1,214	7,936	17,910	5,188	65.37
MICHIGAN	4,684	8,059	4,714	10,799	134.00	MICHIGAN	1,246	9,924	21,821	3,366	33.92
MINNESOTA	8,842	6,947	2,153	3,109	44.75	MINNESOTA	472	2,371	13,762	2,819	118.89
MISSOURI	6,372	6,670	2,868	3,409	51.11	MISSOURI	565	3,460	16,778	2,686	77.63
MONTANA	5,390	2,126	1,081	1,600	75.26	MONTANA	106	418	10,804	541	129.43
NEBRASKA	6,999	3,580	1,401	1,724	48.16	NEBRASKA	262	1,098	11,482	2,416	220.04
NEVADA	1,787	946	1,450	675	71.35	NEVADA	58	338	15,966	111	32.84
NEW JERSEY	799	3,113	10,674	2,948	94.70	NEW JERSEY	641	8,321	35,565	10,678	128.33
NEW MEXICO	3,394	2,748	2,218	1,467	53.38	NEW MEXICO	174	666	10,487	2,190	328.83
NEW YORK	6,498	8,946	3,772	19,268	215.38	NEW YORK	1,864	17,381	25,547	24,259	139.57
NORTH DAKOTA	5,464	1,711	858	689	40.27	NORTH DAKOTA	128	400	8,562	665	166.25
OHIO	4,796	8,890	5,078	6,918	77.82	OHIO	1,530	5,994	10,733	15,214	253.82
OREGON	4,600	4,445	2,647	3,039	68.37	OREGON	358	2,203	16,859	3,080	139.81
PENNSYLVANIA	8,097	14,631	4,951	12,080	82.56	PENNSYLVANIA	1,833	11,819	17,665	13,586	114.95
SOUTH CAROLINA	5,074	6,516	3,518	2,701	41.45	SOUTH CAROLINA	412	2,703	17,974	3,547	131.22
SOUTH DAKOTA	5,738	2,356	1,125	948	40.24	SOUTH DAKOTA	113	421	10,207	769	182.66
TENNESSEE	5,082	6,484	3,496	4,123	63.59	TENNESSEE	803	4,029	13,746	5,549	137.73
TEXAS	15,067	19,148	3,482	8,714	45.51	TEXAS	1,570	12,682	22,131	14,832	116.95
UTAH	2,473	1,535	1,701	1,114	72.57	UTAH	103	454	12,076	381	83.92
VIRGINIA	4,953	8,280	4,580	5,586	67.46	VIRGINIA	443	3,292	20,359	3,411	103.61
WASHINGTON	4,447	5,284	3,255	1,421	26.89	WASHINGTON	530	3,702	19,137	1,403	37.90
WEST VIRGINIA	2,253	2,573	3,129	3,488	135.56	WEST VIRGINIA	180	755	11,492	1,291	170.99
WISCONSIN	7,978	8,982	3,085	5,115	56.95	WISCONSIN	967	4,589	13,002	5,806	126.52
WYOMING	2,888	1,448	1,374	775	53.52	WYOMING	92	365	10,870	530	145.21
SUBTOTAL	185,763	205,491	3,031	147,119	71.59	SUBTOTAL	22,850	165,669	19,864	185,631	112.05
INCOMPLETE DATA						INCOMPLETE DATA					
ARKANSAS						ARKANSAS					
CONNECTICUT						CONNECTICUT					
FLORIDA						FLORIDA					
GEORGIA						GEORGIA					
LOUISIANA						LOUISIANA					
MARYLAND						MARYLAND					
MISSISSIPPI						MISSISSIPPI					
NEW HAMPSHIRE						NEW HAMPSHIRE					
NORTH CAROLINA						NORTH CAROLINA					
OKLAHOMA						OKLAHOMA					
RHODE ISLAND						RHODE ISLAND					
VERMONT						VERMONT					

1/ NONFATAL INJURY ACCIDENTS PER 100 MILLION VEHICLE MILES.

TABLE 4-C. NONFATAL INJURY ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID URBAN HIGHWAYS

STATE	ARTERIAL					STATE	COLLECTOR				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS	
				NUMBER	RATE ^{1/}					NUMBER	RATE ^{1/}
COMPLETE DATA						COMPLETE DATA					
ALASKA	81	447	15,119	1,128	252.35	ALASKA	29	77	7,274	179	232.47
ARIZONA	1,162	4,299	10,136	12,831	298.46	ARIZONA	529	911	4,718	1,205	132.27
CALIFORNIA	11,426	93,716	12,881	84,047	156.47	CALIFORNIA	4,271	5,371	3,445	7,449	138.69
COLORADO	1,330	2,610	8,376	8,938	342.45	COLORADO	952	823	2,368	1,526	185.42
DELAWARE	154	591	10,514	1,131	191.37	DELAWARE	117	215	5,035	280	130.23
DIST. OF COL.	107	641	16,413	1,771	276.29	DIST. OF COL.	136	321	6,467	1,190	370.72
HAWAII	126	952	20,700	2,087	219.22	HAWAII	56	269	13,160	737	273.98
IDAHO	268	959	9,804	1,619	168.82	IDAHO	304	494	4,452	419	84.82
ILLINOIS	3,457	13,047	10,340	26,610	203.95	ILLINOIS	2,950	5,620	5,219	10,883	193.65
INDIANA	2,952	6,625	6,149	8,010	120.91	INDIANA	1,802	1,511	2,297	4,584	303.38
IOWA	1,313	2,264	4,724	2,893	127.78	IOWA	905	624	1,889	614	98.40
KANSAS	1,052	2,467	6,425	4,403	178.48	KANSAS	477	273	1,568	452	165.57
KENTUCKY	1,032	3,362	8,925	5,601	166.60	KENTUCKY	727	1,087	4,096	1,581	145.45
MAINE	342	787	6,305	626	79.54	MAINE	308	233	2,073	326	139.91
MASSACHUSETTS	3,322	9,948	8,204	11,748	118.05	MASSACHUSETTS	2,483	2,449	2,702	4,028	164.48
MICHIGAN	2,908	12,735	11,998	9,188	72.15	MICHIGAN	1,920	3,523	5,027	1,245	35.34
MINNESOTA	1,488	4,700	8,654	7,016	149.28	MINNESOTA	554	439	2,171	690	157.18
MISSOURI	2,428	6,197	6,993	3,559	57.43	MISSOURI	1,249	1,245	2,731	44	3.53
MONTANA	238	473	5,445	860	181.82	MONTANA	92	50	1,489	137	274.00
NEBRASKA	612	1,530	6,849	4,025	263.07	NEBRASKA	347	348	2,748	841	241.67
NEVADA	442	1,971	12,217	3,700	187.72	NEVADA	63	32	1,392	86	268.75
NEW JERSEY	3,547	12,534	9,681	37,743	301.12	NEW JERSEY	1,812	3,015	4,559	7,568	251.01
NEW MEXICO	477	1,917	11,011	4,429	231.04	NEW MEXICO	133	208	4,285	680	326.92
NEW YORK	5,101	13,865	7,458	36,138	260.27	NEW YORK	2,840	3,480	3,357	5,429	156.01
NORTH DAKOTA	197	337	4,687	594	176.26	NORTH DAKOTA	197	157	2,183	296	188.54
OHIO	3,394	7,000	5,651	27,876	398.23	OHIO	3,893	3,904	2,747	13,140	336.58
OREGON	992	2,633	7,272	6,687	253.97	OREGON	872	860	2,702	1,753	203.84
PENNSYLVANIA	3,642	11,307	8,506	14,892	131.71	PENNSYLVANIA	3,059	3,769	3,376	2,519	66.83
SOUTH CAROLINA	611	1,450	6,502	1,732	119.45	SOUTH CAROLINA	194	230	3,248	260	113.04
SOUTH DAKOTA	259	330	3,491	481	145.76	SOUTH DAKOTA	82	43	1,437	144	334.88
TENNESSEE	1,234	4,096	9,094	7,936	193.75	TENNESSEE	1,091	1,262	3,169	2,077	164.58
TEXAS	5,492	19,721	9,838	18,793	95.29	TEXAS	1,433	1,335	2,552	90	6.74
UTAH	494	2,279	12,639	4,044	177.45	UTAH	987	597	5,759	1,089	182.41
VIRGINIA	1,898	7,603	10,975	13,272	174.56	VIRGINIA	274	1,253	3,514	2,305	183.96
WASHINGTON	2,185	5,589	7,008	25,132	449.67	WASHINGTON	1,654	1,488	2,465	4,509	303.02
WEST VIRGINIA	385	1,035	7,365	2,128	205.60	WEST VIRGINIA	399	470	3,227	335	71.28
WISCONSIN	1,948	4,392	6,177	3,209	73.06	WISCONSIN	815	632	2,125	769	121.68
WYOMING	227	368	4,441	298	80.98	WYOMING	200	178	2,438	192	107.87
SUBTOTAL	68,322	226,797	9,095	407,175	179.53	SUBTOTAL	40,206	48,796	3,325	81,651	167.33
INCOMPLETE DATA						INCOMPLETE DATA					
ALABAMA						ALABAMA					
ARKANSAS						ARKANSAS					
CONNECTICUT						CONNECTICUT					
FLORIDA						FLORIDA					
GEORGIA						GEORGIA					
LOUISIANA						LOUISIANA					
MARYLAND						MARYLAND					
MISSISSIPPI						MISSISSIPPI					
NEW HAMPSHIRE						NEW HAMPSHIRE					
NORTH CAROLINA						NORTH CAROLINA					
OKLAHOMA						OKLAHOMA					
RHODE ISLAND						RHODE ISLAND					
VERMONT						VERMONT					

^{1/} NONFATAL INJURY ACCIDENTS PER 100 MILLION VEHICLE MILES.

**TABLE 4-D. NONFATAL INJURY ACCIDENTS
BY STATE AND HIGHWAY SYSTEM - 1982**
FEDERAL-AID SECONDARY HIGHWAYS

STATE	COLLECTOR, RURAL					NONFATAL INJURY ACCIDENTS	
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NUMBER	RATE λ	NONFATAL INJURY ACCIDENTS	
						NUMBER	RATE λ
COMPLETE DATA							
ALASKA	3,324	720	649	550	77.78		
ARIZONA	3,135	1,555	1,359	599	53.60		
CALIFORNIA	11,103	7,718	1,904	12,342	189.97		
COLORADO	3,441	1,140	908	1,187	104.12		
DELAWARE	630	489	2,127	426	97.12		
DIST. OF COL.							
HAWAII	434	301	1,900	470	156.15		
IDAHO	4,250	1,738	1,120	508	52.24		
ILLINOIS	12,855	3,287	700	3,515	105.97		
INDIANA	9,093	3,536	1,065	2,148	60.75		
IOWA	13,341	2,299	472	1,984	85.30		
KANSAS	22,530	2,164	263	1,355	62.66		
KENTUCKY	7,295	3,857	1,449	4,357	112.96		
MAINE	2,742	1,290	1,289	1,178	91.32		
MASSACHUSETTS	2,005	1,583	2,162	1,132	71.51		
MICHIGAN	19,019	8,637	1,244	455	5.27		
MINNESOTA	16,281	3,037	511	2,182	71.85		
MISSOURI	18,090	4,660	706	3,539	75.94		
MONTANA	4,717	423	245	407	96.22		
NEBRASKA	11,411	1,046	251	905	86.52		
NEVADA	2,332	562	778	524	94.26		
NEW JERSEY	1,731	2,173	1,085	3,121	143.53		
NEW MEXICO	3,948	1,085	754	1,066	98.25		
NEW YORK	6,381	3,835	1,647	12,695	330.94		
NORTH DAKOTA	10,455	675	1,177	366	54.22		
OHIO	11,826	7,122	1,650	8,816	123.79		
OREGON	7,709	1,622	576	1,822	112.33		
PENNSYLVANIA	8,222	5,219	1,739	5,583	108.51		
SOUTH CAROLINA	8,863	4,081	1,252	2,192	52.72		
SOUTH DAKOTA	10,867	4,884	225	435	48.85		
TENNESSEE	9,820	3,555	1,020	3,110	85.07		
TEXAS	32,705	12,048	1,009	8,514	70.67		
UTAH	2,556	635	681	544	85.20		
VIRGINIA	10,360	4,759	1,259	5,344	112.29		
WASHINGTON	7,081	2,501	968	3,997	39.85		
WEST VIRGINIA	6,327	2,740	1,186	3,921	143.10		
WISCONSIN	11,737	3,762	878	5,440	144.60		
WYOMING	2,281	480	480	288	72.00		
SUBTOTAL	319,897	107,347		104,956	97.77		
INCOMPLETE DATA							
ALABAMA							
ARKANSAS							
CONNECTICUT							
FLORIDA							
GEORGIA							
LOUISIANA							
MARYLAND							
MISSISSIPPI							
NEW HAMPSHIRE							
NORTH CAROLINA							
OKLAHOMA							
RHODE ISLAND							
VERMONT							
λ NONFATAL INJURY ACCIDENTS PER 100 MILLION VEHICLE MILES.							

TABLE 4-E. NONFATAL INJURY ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID ARTERIAL HIGHWAYS

STATE	RURAL				URBAN								
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS				
				NUMBER	RATE λ				NUMBER	RATE λ			
COMPLETE DATA													
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	15	17	3,105	10	58.82	22	85	10,585	58	58.24	22	85	10,585
CALIFORNIA	31	73	6,452	31	42.47	1,279	5,380	11,524	4,028	74.87	1,279	5,380	11,524
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAWARE	1	1	2,740	7	700.00	3	4	3,425	56	1,320.00	3	4	3,425
DIST. OF COL.	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-
HAWAII	10	44	12,055	80	181.82	13	56	11,802	116	207.14	13	56	11,802
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	35	71	5,958	0	0.00	79	118	4,092	249	211.02	79	118	4,092
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS	48	61	3,482	41	67.21	15	27	4,932	25	14.12	15	27	4,932
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-
MAINE	41	72	4,811	31	43.06	210	610	7,958	1,781	291.97	210	610	7,958
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	9	8	2,435	19	237.50	1	1	2,740	2	200.00	1	1	2,740
MONTANA	93	17	501	11	64.71	15	43	7,854	996	2,316.28	15	43	7,854
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW JERSEY	1	4	10,959	6	150.00	282	3,327	6,974	1,567	64.29	282	3,327	6,974
NEW MEXICO	139	1,208	23,810	438	36.26	100	126	3,452	175	138.89	100	126	3,452
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	210	126	1,644	108	85.71	55	112	5,579	75	55.96	55	112	5,579
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-
RHODE ISLAND	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	14	6	1,174	3	50.00	4	5	3,425	1	20.00	4	5	3,425
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMONT	1	1	2,740	1	100.00	54	275	13,952	15	5.45	54	275	13,952
VIRGINIA	309	219	1,942	0	0.00	3	18	16,438	20	111.11	3	18	16,438
WASHINGTON	17	2	322	0	0.00	145	293	5,836	256	87.37	145	293	5,836
WEST VIRGINIA	8	27	9,247	4	14.81	2	12	16,438	0	0.00	2	12	16,438
WISCONSIN	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	251	104	1,135	0	0.00	4,961	18,569	10,255	13,465	72.51	4,961	18,569	10,255
SUBTOTAL	1,233	2,061	4,580	790	38.33								
INCOMPLETE DATA													
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW HAMPSHIRE	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-

λ NONFATAL INJURY ACCIDENTS PER 100 MILLION VEHICLE MILES.

TABLE 4-F. NONFATAL INJURY ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID COLLECTOR HIGHWAYS

STATE	RURAL				URBAN				STATE	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS		RATE ^{1/}	
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS					NUMBER	RATE ^{1/}		
																NUMBER
COMPLETE DATA																
ALASKA	1,001	245	671	174	71.02	27	27	27	27	27	2,740	67	248.15			
ARIZONA	4,840	692	392	232	33.53	459	459	459	459	459	3,337	978	174.96			
CALIFORNIA	12,112	3,077	696	10,372	337.08	2,496	2,496	2,496	2,496	2,496	3,036	4,028	145.63			
COLORADO	16,246	1,367	231	2,007	146.62	35	35	35	35	35	1,957	100	400.00			
DELAWARE	164	69	1,153	63	91.30	21	21	21	21	21	522	30	750.00			
DIST. OF COL.						5	5	5	5	5	5,479	37	370.00			
HAWAII	231	220	2,609	192	87.27	87	87	87	87	87	6,928	147	66.82			
IDAHO	4,740	222	128	160	72.07	65	65	65	65	65	2,211	0	0.00			
ILLINOIS	5,062	1,931	1,045	1,038	53.75	179	179	179	179	179	1,800	401	348.70			
INDIANA	10,850	2,297	1,944	1,944	84.63	43	43	43	43	43	8,347	46	35.11			
IOWA	16,472	688	114	659	97.24	65	65	65	65	65	1,391	39	118.18			
KANSAS	9,430	268	78	133	49.63	294	294	294	294	294	2,982	649	202.81			
KENTUCKY	9,386	1,587	463	2,046	128.92	123	123	123	123	123	2,673	239	199.17			
MAINE	2,814	576	561	788	136.81	36	36	36	36	36	1,294	215	1,264.71			
MASSACHUSETTS	1,954	443	621	709	160.05	232	232	232	232	232	1,842	146	93.59			
MICHIGAN	7,829	1,534	537	8,753	570.60	203	203	203	203	203	3,350	830	33.89			
MINNESOTA	12,143	930	210	688	73.98	117	117	117	117	117	3,278	2,491	169.69			
MISSOURI	5,455	278	140	230	82.73	117	117	117	117	117	1,499	68	106.25			
MONTANA	11,191	300	73	390	130.00	121	121	121	121	121	1,499	68	106.25			
NEBRASKA	11,614	321	76	391	121.81	162	162	162	162	162	2,165	529	413.28			
NEVADA	2,418	136	154	95	69.89	95	95	95	95	95	865	150	500.00			
NEW JERSEY	1,294	1,084	2,295	1,191	109.87	295	295	295	295	295	2,965	518	187.68			
NEW MEXICO	3,214	288	246	229	79.51	377	377	377	377	377	3,445	424	89.45			
NEW YORK	11,002	4,169	1,038	12,475	299.23	21	21	21	21	21	1,826	41	292.86			
NORTH DAKOTA	8,131	207	70	111	53.62	180	180	180	180	180	1,948	276	215.63			
OHIO	9,539	1,840	669	2,640	143.48	180	180	180	180	180	1,948	276	215.63			
OREGON	9,380	1,037	303	385	35.20	576	576	576	576	576	1,865	401	102.30			
PENNSYLVANIA	9,196	2,364	704	2,981	126.10	60	60	60	60	60	3,379	0	0.00			
SOUTH CAROLINA	4,107	499	333	225	45.09	74	74	74	74	74	3,379	0	0.00			
SOUTH DAKOTA	7,954	225	82	102	45.33	21	21	21	21	21	1,826	41	292.86			
TENNESSEE	6,743	829	337	283	34.14	3,707	3,707	3,707	3,707	3,707	4,228	43	1.02			
TEXAS	20,739	2,206	291	1,240	56.21	295	295	295	295	295	2,378	348	135.94			
UTAH	4,878	178	100	658	369.66	23	23	23	23	23	1,549	26	200.00			
VIRGINIA	2,359	360	418	520	144.44	7	7	7	7	7	3,523	21	233.33			
WASHINGTON	7,373	923	343	345	37.38	531	531	531	531	531	2,084	513	126.98			
WEST VIRGINIA	2,210	330	409	368	111.52	47	47	47	47	47	2,332	1	2.50			
WISCONSIN	6,598	968	396	400	41.32	47	47	47	47	47	2,332	1	2.50			
WYOMING	7,560	502	182	167	33.27	13,846	13,846	13,846	13,846	13,846	2,959	13,802	92.29			
SUBTOTAL	265,929	35,190	363	55,374	157.36	14,955	14,955	14,955	14,955	14,955	2,959	13,802	92.29			
INCOMPLETE DATA																
ALABAMA																
ARKANSAS																
CONNECTICUT																
FLORIDA																
GEORGIA																
LOUISIANA																
MARYLAND																
MISSISSIPPI																
MISSOURI																
NEW HAMPSHIRE																
NORTH CAROLINA																
OKLAHOMA																
RHODE ISLAND																
VERMONT																
^{1/} NONFATAL INJURY ACCIDENTS PER 100 MILLION VEHICLE MILES.																

TABLE 4-6. NONFATAL INJURY ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID LOCAL HIGHWAYS

STATE	RURAL					STATE	URBAN													
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS										
				NUMBER	RATE λ					NUMBER	RATE λ									
COMPLETE DATA																				
ALABAMA	48,782	2,724	133	3,935	140.78	9,710	2,738	773	10,355	378.20										
ALASKA	2,784	368	362	3,748	202.72	999	270	740	56	20.74										
ARIZONA	55,065	1,613	80	3,013	186.79	6,437	1,310	358	3,437	262.37										
ARKANSAS	44,857	1,084	66	3,448	133.58	4,706	1,448	575	5,217	810.09										
CALIFORNIA	75,850	4,234	151	13,042	308.03	40,858	4,300	288	15,498	360.42										
COLORADO	41,752	1,417	93	1,206	85.11	6,442	2,613	1,111	2,156	82.51										
DELAWARE	2,759	347	345	437	125.94	555	330	947	601	182.12										
DIST. OF COL.																				
HAWAII	1,770	296	458	114	38.51	673	581	2,365	2,887	496.90										
IDAHO	54,034	748	38	1,152	154.01	897	787	2,404	1,404	178.40										
ILLINOIS	76,974	3,237	115	4,194	129.56	21,418	6,371	1,018	22,259	144.48										
INDIANA	49,009	1,759	98	5,795	329.45	11,759	3,252	758	10,206	313.84										
IOWA	65,466	1,505	63	1,267	84.19	5,005	1,011	599	2,991	147.68										
KANSAS	83,420	1,218	40	2,325	190.89	4,475	1,014	621	2,801	276.23										
KENTUCKY	41,175	1,805	120	2,671	147.98	12,936	2,805	594	7,393	175.65										
MAINE	12,000	657	150	1,631	248.25	16,490	2,300	467	2,404	175.65										
MASSACHUSETTS	8,068	1,155	53	1,329	405.54	12,936	2,805	594	7,393	175.65										
MICHIGAN	60,033	2,253	77	13,129	1,136.71	16,490	2,300	467	2,404	175.65										
MINNESOTA	80,260	516	53	1,329	405.54	16,490	2,300	467	2,404	175.65										
MONTANA	46,659	516	35	1,280	31.95	9,008	2,109	641	2,918	138.36										
MONTANA	57,131	1,119	54	1,429	127.79	9,008	2,109	641	2,918	138.36										
NEBRASKA	34,440	284	21	1,279	127.79	1,666	699	641	2,918	138.36										
NEVADA	7,386	752	21	1,733	65.53	3,044	508	457	1,006	198.03										
NEW JERSEY	37,856	747	279	2,084	277.13	15,628	4,030	690	815	202.23										
NEW MEXICO	48,676	5,121	54	1,006	134.67	3,205	1,008	1,673	11,900	124.72										
NEW YORK	59,894	5,707	288	21,910	427.85	25,534	9,238	951	28,437	307.83										
NORTH DAKOTA	55,892	6,168	32	7,115	58.46	19,743	11,434	1,587	15,554	213.73										
OHIO	102,835	1,353	36	6,006	49.98	5,835	886	416	2,332	263.21										
OREGON	61,416	5,483	245	6,006	109.50	19,002	5,272	886	2,332	263.21										
PENNSYLVANIA	37,231	2,808	207	1,817	64.71	4,895	937	750	21,883	415.08										
SOUTH CAROLINA	46,890	524	81	540	103.05	1,009	213	578	1,642	175.24										
SOUTH DAKOTA	49,343	1,557	37	3,003	191.64	8,612	3,565	578	5,800	145.29										
TENNESSEE	141,815	4,537	90	9,548	205.91	44,576	17,351	1,261	57,402	330.83										
TEXAS	28,563	4,578	55	1,444	24.51	8,612	3,565	578	5,800	145.29										
UTAH	23,729	2,811	228	2,871	102.13	3,655	1,230	922	1,961	159.43										
VIRGINIA	20,477	1,311	117	988	113.17	8,782	3,835	1,196	4,543	118.46										
WEST VIRGINIA	67,401	1,311	53	4,008	305.72	9,262	2,828	827	9,455	335.78										
WISCONSIN	21,622	227	29	379	166.96	877	126	394	465	372.22										
WYOMING																				
SUBTOTAL	1,765,315	64,549	100	124,656	193.12	341,634	103,985	834	293,493	282.25										
INCOMPLETE DATA																				
CONNECTICUT																				
FLORIDA																				
GEORGIA																				
LOUISIANA																				
MARYLAND																				
MISSISSIPPI																				
MISSOURI																				
NEW HAMPSHIRE																				
NORTH CAROLINA																				
OKLAHOMA																				
RHODE ISLAND																				
VERMONT																				
WASHINGTON																				

λ NONFATAL INJURY ACCIDENTS PER 100 MILLION VEHICLE MILES.

TABLE 5-A. FATALITIES BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID INTERSTATE HIGHWAYS

STATE	RURAL				STATE	URBAN						
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES			
				NUMBER					RATE λ	NUMBER	RATE λ	
COMPLETE DATA					COMPLETE DATA							
ALABAMA	642	2,724	11,625	36	1.32	182	1,980	29,806	18	0.91		
ALASKA	1,072	722	1,845	35	4.85	20	169	23,151	1	0.59		
ARIZONA	1,028	3,143	8,375	95	3.02	115	1,230	22,303	16	1.30		
ARKANSAS	425	2,132	13,744	21	0.98	804	1,079	25,705	14	1.30		
CALIFORNIA	1,459	9,046	16,987	227	2.51	804	28,550	57,628	229	0.80		
COLORADO	1,806	2,625	8,923	84	3.20	110	2,287	56,961	47	2.06		
DELAWARE	7	164	64,188	1	0.61	12	516	41,579	8	1.95		
DIST. OF COL.						12	82,192	4	4	1.11		
GEORGIA	931	6,813	20,049	78	1.14	232	5,402	63,793	64	1.18		
HAWAII	55	28,493	28,493	2	3.85	31	768	67,874	7	0.91		
IDAHO	551	1,135	5,663	31	2.72	52	270	14,226	7	2.59		
ILLINOIS	1,265	9,054	10,946	47	0.93	486	8,800	54,057	84	0.95		
INDIANA	855	5,209	16,691	54	1.04	259	3,684	38,970	25	0.88		
IOWA	612	2,202	9,958	22	1.00	124	832	18,363	9	1.08		
KANSAS	554	1,701	7,126	15	0.88	154	1,252	22,274	24	1.52		
KENTUCKY	596	3,555	15,802	35	0.95	141	2,150	41,776	28	1.30		
MAINE	282	9,113	9,113	2	0.21	31	219	19,355	3	1.37		
MASSACHUSETTS	172	1,370	21,822	11	0.80	380	6,864	49,488	31	0.45		
MICHIGAN	716	3,619	13,848	45	1.24	415	7,317	46,305	48	0.86		
MINNESOTA	696	2,062	8,117	11	0.53	177	2,823	43,696	18	0.84		
MISSOURI	833	3,733	12,278	31	0.83	286	5,114	48,989	71	1.39		
MONTANA	1,085	1,313	3,315	38	2.89	43	122	7,773	0	0.00		
NEBRASKA	446	1,418	8,711	12	0.65	35	467	36,556	7	1.50		
NEVADA	497	1,074	5,320	36	3.35	38	427	30,785	6	1.41		
NEW JERSEY	108	1,069	27,118	9	0.84	230	5,635	67,123	53	0.94		
NEW MEXICO	916	2,130	6,371	89	4.18	83	651	21,489	7	1.18		
NEW YORK	874	4,044	12,677	42	1.04	554	8,487	41,971	100	1.08		
NORTH CAROLINA	583	3,570	16,777	47	1.32	192	2,032	28,995	22	1.08		
NORTH DAKOTA	536	3,715	3,555	5	0.84	35	120	9,393	2	1.67		
OHIO	882	6,959	21,517	37	0.53	655	12,440	52,034	102	0.82		
OREGON	583	2,494	11,720	32	1.28	124	1,485	32,810	18	1.21		
PENNSYLVANIA	1,174	6,792	15,850	63	0.93	323	4,655	39,484	49	1.05		
RHODE ISLAND	28	119	11,544	2	1.68	44	1,047	65,193	13	1.24		
SOUTH CAROLINA	677	3,158	12,780	31	0.98	79	985	34,160	19	0.91		
SOUTH DAKOTA	515	1,119	4,977	10	0.89	40	149	10,205	0	0.00		
TENNESSEE	833	5,582	18,359	71	1.27	196	3,323	46,450	42	1.26		
TEXAS	2,236	9,178	11,246	245	2.71	841	17,323	56,433	337	1.95		
UTAH	663	1,442	5,959	47	3.26	124	1,655	37,450	13	0.77		
VIRGINIA	805	4,688	15,955	53	1.13	213	4,042	51,590	32	0.75		
WASHINGTON	471	2,724	15,845	20	0.73	234	5,133	60,098	25	0.49		
WEST VIRGINIA	359	1,275	9,738	16	1.25	70	630	24,658	11	1.75		
WISCONSIN	466	2,870	16,873	23	0.80	111	1,763	43,515	10	0.57		
WYOMING	849	1,376	4,440	33	2.40	49	1,135	7,548	1	0.74		
SUBTOTAL	29,294	123,213	11,524	1,849	1.50	8,433	154,512	50,198	1,615	1.05		
INCOMPLETE DATA												
CONNECTICUT												
FLORIDA												
LOUISIANA												
MARYLAND												
MISSISSIPPI												
NEW HAMPSHIRE												
OKLAHOMA												
VERMONT												

λ FATALITIES PER 100 MILLION VEHICLE MILES.

TABLE 5-B. FATALITIES BY STATE AND HIGHWAY SYSTEM - 1982
OTHER FEDERAL-AID PRIMARY HIGHWAYS

STATE	RURAL					STATE	URBAN				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES	
				NUMBER	RATE 1/					NUMBER	RATE 1/
COMPLETE DATA						COMPLETE DATA					
ALABAMA	5,908	5,927	2,749	88	1.48	ALABAMA	699	2,652	10,394	62	2.34
ALASKA	1,532	573	1,025	19	3.32	ALASKA	16	84	14,384	1	1.19
ARIZONA	3,316	3,172	2,621	177	5.58	ARIZONA	166	1,143	18,864	37	3.24
CALIFORNIA	9,819	17,644	4,923	817	4.63	CALIFORNIA	1,381	28,027	55,602	354	1.26
COLORADO	3,993	4,037	2,770	162	4.01	COLORADO	322	4,837	41,155	63	1.30
DELAWARE	349	1,288	10,111	36	2.80	DELAWARE	75	573	20,932	17	2.97
DIST. OF COL.	-	-	-	-	-	DIST. OF COL.	158	1,373	23,808	18	1.31
HAWAII	402	913	6,222	50	5.48	HAWAII	110	1,170	29,141	29	2.48
IDAHO	2,575	1,580	1,681	99	6.27	IDAHO	39	144	10,116	1	0.69
ILLINOIS	7,901	8,245	2,859	318	3.86	ILLINOIS	1,822	10,010	15,052	281	2.81
INDIANA	4,190	7,018	4,589	223	3.18	INDIANA	795	3,933	13,554	62	1.58
IOWA	8,193	5,785	1,934	153	2.64	IOWA	677	2,071	8,381	51	2.46
KANSAS	7,767	4,729	1,668	193	4.08	KANSAS	338	1,320	10,700	24	1.82
KENTUCKY	3,294	4,565	3,797	207	4.53	KENTUCKY	429	2,424	15,480	37	1.53
MAINE	1,834	2,000	2,988	53	2.65	MAINE	159	587	10,115	12	2.04
MASSACHUSETTS	1,015	2,597	7,010	42	1.62	MASSACHUSETTS	1,214	7,936	17,910	98	1.23
MICHIGAN	4,684	8,059	4,714	359	4.45	MICHIGAN	1,246	9,924	21,821	41	0.41
MINNESOTA	8,842	6,947	2,153	201	2.89	MINNESOTA	472	2,371	13,762	42	1.77
MISSOURI	6,372	6,670	2,868	228	3.42	MISSOURI	565	3,460	16,778	70	2.02
MONTANA	5,390	2,126	1,081	121	5.69	MONTANA	106	418	10,804	5	1.20
NEBRASKA	6,999	3,580	1,401	101	2.82	NEBRASKA	262	1,098	11,482	26	2.37
NEVADA	1,787	946	1,450	62	6.55	NEVADA	58	338	15,966	3	0.89
NEW JERSEY	799	3,113	10,674	94	3.02	NEW JERSEY	641	8,321	35,565	170	2.04
NEW MEXICO	3,394	2,748	2,218	183	6.66	NEW MEXICO	174	666	10,487	41	6.16
NEW YORK	6,498	8,946	3,772	305	3.41	NEW YORK	1,864	17,381	25,547	388	2.23
NORTH CAROLINA	3,724	6,998	5,148	216	3.09	NORTH CAROLINA	600	3,767	17,201	75	1.99
NORTH DAKOTA	5,464	1,711	858	63	3.68	NORTH DAKOTA	128	400	8,562	5	1.25
OHIO	4,796	8,890	5,078	290	3.26	OHIO	1,530	5,994	10,733	155	2.59
OREGON	4,600	4,445	2,647	177	3.98	OREGON	358	2,203	16,859	40	1.82
PENNSYLVANIA	8,097	14,631	4,951	533	3.64	PENNSYLVANIA	1,833	11,819	17,665	251	2.12
RHODE ISLAND	214	532	6,811	18	3.38	RHODE ISLAND	163	710	11,934	16	2.25
SOUTH CAROLINA	5,074	6,516	3,518	246	3.78	SOUTH CAROLINA	412	2,703	17,974	48	1.78
SOUTH DAKOTA	5,738	2,356	1,125	62	2.63	SOUTH DAKOTA	113	421	10,207	6	1.43
TENNESSEE	5,082	6,484	3,496	312	4.81	TENNESSEE	803	4,029	13,746	72	1.79
TEXAS	15,067	19,148	3,482	973	5.08	TEXAS	1,570	12,682	22,131	364	2.87
UTAH	2,473	1,535	1,701	77	5.02	UTAH	103	454	12,076	5	1.10
VIRGINIA	4,953	8,280	4,580	242	2.92	VIRGINIA	443	3,292	20,359	46	1.40
WASHINGTON	4,447	5,284	3,255	74	1.40	WASHINGTON	530	3,702	19,137	30	0.81
WEST VIRGINIA	2,253	2,573	3,129	152	5.91	WEST VIRGINIA	180	755	11,492	30	3.97
WISCONSIN	7,978	8,982	3,085	234	2.61	WISCONSIN	967	4,589	13,002	62	1.35
WYOMING	2,888	1,448	1,374	74	5.11	WYOMING	92	365	10,870	9	2.47
SUBTOTAL	189,701	213,021	3,077	8,034	3.77	SUBTOTAL	23,613	170,146	19,741	3,147	1.85
INCOMPLETE DATA						INCOMPLETE DATA					
ARKANSAS						ARKANSAS					
CONNECTICUT						CONNECTICUT					
FLORIDA						FLORIDA					
GEORGIA						GEORGIA					
LOUISIANA						LOUISIANA					
MARYLAND						MARYLAND					
MISSISSIPPI						MISSISSIPPI					
NEW HAMPSHIRE						NEW HAMPSHIRE					
OKLAHOMA						OKLAHOMA					
VERMONT						VERMONT					

1/ FATALITIES PER 100 MILLION VEHICLE MILES.

TABLE 5-C. FATALITIES BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID URBAN HIGHWAYS

STATE	ARTERIAL				STATE	COLLECTOR							
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES				
				NUMBER					RATE λ	NUMBER	RATE λ		
COMPLETE DATA					COMPLETE DATA								
ALASKA	81	447	15,119	12	2.68	29	77	7,274	1	1.30			
ARIZONA	1,162	4,299	10,136	153	3.56	529	911	4,718	10	1.10			
CALIFORNIA	11,425	53,716	12,881	1,618	3.01	4,271	5,371	3,445	147	2.74			
COLORADO	1,330	2,610	5,376	98	3.75	952	823	3,368	19	2.31			
DELAWARE	154	591	10,514	15	2.71	135	219	5,925	4	1.86			
DIST. OF COL.	107	641	16,413	12	1.67	56	321	6,467	0	0.00			
HAWAII	126	952	20,700	23	2.42	304	269	13,160	5	1.86			
IDAHO	258	959	9,804	15	1.56	2,950	494	5,219	3	0.61			
ILLINOIS	3,457	13,047	10,340	353	2.71	1,802	1,511	2,237	79	1.41			
INDIANA	2,952	6,825	6,149	175	2.64	905	624	1,869	7	1.12			
IOWA	1,313	2,264	4,724	32	1.41	727	477	1,568	2	0.73			
KANSAS	1,052	2,467	6,425	40	1.62	308	1,087	4,036	27	2.48			
KENTUCKY	1,032	3,362	8,925	80	2.38	727	233	2,073	2	0.86			
MAINE	1,312	787	6,305	9	1.02	483	249	2,702	39	1.59			
MASSACHUSETTS	3,322	9,948	8,204	161	1.62	2,483	3,523	5,027	7	0.20			
MICHIGAN	2,908	12,735	11,998	86	0.68	1,920	439	2,171	11	0.51			
MINNESOTA	1,488	4,700	6,654	56	1.19	1,524	1,245	2,731	10	0.80			
MISSOURI	2,428	6,197	5,993	123	1.98	1,249	50	2,731	1	2.00			
MONTANA	238	6,473	5,445	10	2.11	92	348	1,489	2	0.57			
NEBRASKA	612	1,530	5,849	21	1.37	347	32	2,748	2	0.00			
NEVADA	442	1,971	12,217	95	4.82	63	32	1,392	0	0.00			
NEW JERSEY	3,547	12,534	9,681	377	3.01	1,812	3,015	4,559	70	2.32			
NEW MEXICO	477	1,917	11,011	59	3.08	133	208	4,285	9	4.33			
NEW YORK	5,101	13,885	7,458	621	4.47	2,840	3,480	3,357	108	3.10			
NORTH CAROLINA	1,961	6,445	9,004	112	1.74	248	134	1,480	11	6.21			
NORTH DAKOTA	197	337	4,687	8	2.37	197	157	2,183	4	2.55			
OHIO	3,394	7,000	5,651	259	3.70	3,893	3,904	2,747	148	3.75			
OREGON	592	2,633	7,272	75	2.85	82	860	2,702	12	1.40			
PENNSYLVANIA	3,642	11,307	8,506	248	2.19	3,055	3,769	3,376	29	0.77			
RHODE ISLAND	473	1,731	10,026	25	1.44	372	387	2,850	5	2.17			
SOUTH CAROLINA	611	1,450	6,502	28	1.93	184	230	3,248	5	0.00			
SOUTH DAKOTA	259	4,096	3,491	2	0.61	89	43	1,437	0	0.00			
TENNESSEE	1,234	19,721	9,094	128	3.13	1,091	1,262	3,159	32	2.54			
TEXAS	5,492	19,721	9,938	368	1.87	1,432	1,335	2,552	5	0.37			
UTAH	494	2,279	12,639	52	2.28	284	573	5,759	15	2.51			
VIRGINIA	1,898	7,603	10,375	160	2.10	977	1,523	3,514	20	1.60			
WASHINGTON	2,185	5,589	7,008	395	7.07	1,654	1,488	2,465	21	0.43			
WEST VIRGINIA	385	1,035	6,177	29	2.03	815	632	3,227	2	0.95			
WISCONSIN	1,948	4,392	6,177	6	0.66	200	178	2,438	5	2.81			
WYOMING	227	368	4,441	6	1.63	200	178	2,438	5	2.81			
SUBTOTAL	70,756	234,973	9,098	6,160	2.62	40,826	49,317	3,310	917	1.86			
INCOMPLETE DATA													
ALABAMA													
ARKANSAS													
CONNECTICUT													
FLORIDA													
GEORGIA													
LOUISIANA													
MARYLAND													
MISSISSIPPI													
NEW HAMPSHIRE													
OKLAHOMA													
VERMONT													

λ FATALITIES PER 100 MILLION VEHICLE MILES.

**TABLE 5-D. FATALITIES
BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID SECONDARY HIGHWAYS**

STATE	COLLECTOR, RURAL				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES	
				NUMBER	RATE ^{1/}
COMPLETE DATA					
ALABAMA	11,074	3,516	870	106	3.01
ALASKA	2,324	720	849	17	2.36
ARIZONA	3,136	1,555	1,359	83	5.34
CALIFORNIA	11,103	7,715	1,904	468	6.07
COLORADO	3,441	1,140	908	66	5.79
DELAWARE	630	489	2,127	20	4.09
DIST. OF COL.	-	-	-	-	-
HAWAII	434	301	1,900	19	6.31
IDAHO	4,250	1,738	1,120	44	2.53
ILLINOIS	12,856	3,287	700	154	4.69
INDIANA	9,093	3,536	1,065	183	5.18
IOWA	13,341	2,299	472	100	4.35
KANSAS	22,530	2,164	263	84	3.88
KENTUCKY	7,295	3,857	1,449	221	5.73
MAINE	2,742	1,290	1,289	33	2.56
MASSACHUSETTS	2,006	1,583	2,162	41	2.59
MICHIGAN	19,019	8,637	1,244	30	0.35
MINNESOTA	16,281	3,037	511	100	3.29
MISSOURI	18,090	4,660	706	195	4.18
MONTANA	4,717	423	246	36	8.51
NEBRASKA	11,411	1,046	251	30	2.87
NEVADA	2,332	662	778	48	7.25
NEW JERSEY	1,731	2,173	3,439	91	4.19
NEW MEXICO	3,945	1,085	754	89	8.20
NEW YORK	6,381	3,836	1,647	190	4.95
NORTH CAROLINA	10,437	8,393	2,203	342	4.07
NORTH DAKOTA	10,455	675	177	30	4.44
OHIO	11,826	7,122	1,650	260	3.65
OREGON	7,709	1,622	576	88	5.43
PENNSYLVANIA	8,222	5,219	1,739	212	4.06
RHODE ISLAND	166	163	2,690	8	4.91
SOUTH CAROLINA	8,863	4,081	1,262	166	4.07
SOUTH DAKOTA	10,867	894	225	27	3.02
TENNESSEE	9,820	3,656	1,020	192	5.25
TEXAS	32,705	12,048	1,009	673	5.59
UTAH	2,556	635	681	25	3.94
VIRGINIA	10,360	4,759	1,259	168	3.53
WASHINGTON	7,081	2,501	968	30	1.20
WEST VIRGINIA	6,327	2,740	1,186	173	6.31
WISCONSIN	11,737	3,762	878	208	5.53
WYOMING	2,281	400	480	28	7.00
SUBTOTAL	341,574	119,419	958	5,078	4.25
INCOMPLETE DATA					
ARKANSAS					
CONNECTICUT					
FLORIDA					
GEORGIA					
LOUISIANA					
MARYLAND					
MISSISSIPPI					
NEW HAMPSHIRE					
OKLAHOMA					
VERMONT					
^{1/} FATALITIES PER 100 MILLION VEHICLE MILES.					

TABLE 5-E. FATALITIES BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID ARTERIAL HIGHWAYS

STATE	RURAL				STATE	URBAN							
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES				
				NUMBER					RATE λ	NUMBER	RATE λ		
COMPLETE DATA					COMPLETE DATA								
ALABAMA	-	-	-	-	ALABAMA	22	85	-	-	10,585	-	1	1.18
ALASKA	-	-	-	-	ALASKA	1,279	5,380	-	-	11,524	-	65	1.21
ARIZONA	15	17	3,105	1	ARIZONA	4	5	-	-	3,425	-	0	0.00
CALIFORNIA	31	73	6,452	3	CALIFORNIA	3	4	-	-	3,653	-	0	0.00
COLORADO	-	-	-	-	COLORADO	11	94	-	-	23,412	-	1	1.06
DELAWARE	1	1	2,740	0	DIST. OF COL.	-	-	-	-	-	-	-	-
DIST. OF COL.	-	-	-	-	DELAWARE	-	-	-	-	-	-	-	-
GEORGIA	-	-	-	-	GEORGIA	13	56	-	-	11,802	-	1	1.79
HAWAII	-	-	-	-	HAWAII	28	5	-	-	489	-	0	0.00
IDAHO	10	44	12,055	0	IDAHO	118	177	-	-	4,092	-	4	3.39
ILLINOIS	-	-	-	-	ILLINOIS	12	40,411	-	-	4,932	-	4	2.26
INDIANA	35	71	5,558	2	INDIANA	15	27	-	-	7,958	-	16	0.00
IOWA	48	61	3,482	3	IOWA	210	610	-	-	2,740	-	0	0.00
KANSAS	-	-	-	-	KANSAS	15	43	-	-	7,854	-	4	9.30
KENTUCKY	-	-	-	-	KENTUCKY	18	54	-	-	8,219	-	0	0.00
LOUISIANA	-	-	-	-	LOUISIANA	163	330	-	-	5,547	-	3	0.91
MAINE	41	72	4,811	1	MAINE	66	37	-	-	1,536	-	4	10.81
MASSACHUSETTS	-	-	-	-	MASSACHUSETTS	203	369	-	-	4,980	-	27	7.32
MICHIGAN	-	-	-	-	MICHIGAN	35	48	-	-	3,757	-	0	0.00
MINNESOTA	-	-	-	-	MINNESOTA	11	28	-	-	6,374	-	0	0.00
MISSOURI	9	8	2,435	0	MISSOURI	282	3,327	-	-	32,323	-	46	1.38
MISSOURI	93	17	501	3	MISSOURI	100	126	-	-	3,452	-	1	0.79
NEBRASKA	-	-	-	-	NEBRASKA	124	1,423	-	-	31,441	-	4	0.28
NEVADA	1	4	10,959	0	NEVADA	1,275	1,909	-	-	4,102	-	33	1.73
NEW JERSEY	139	1,208	23,810	20	NEW JERSEY	4	5	-	-	3,425	-	0	0.00
NEW MEXICO	-	-	-	-	NEW MEXICO	55	112	-	-	5,579	-	1	0.89
NEW MEXICO	-	-	-	-	NEW MEXICO	295	463	-	-	4,285	-	8	1.73
NORTH CAROLINA	249	134	1,474	1	NORTH CAROLINA	7	7	-	-	2,740	-	0	0.00
NORTH CAROLINA	-	-	-	-	NORTH CAROLINA	1,846	5,361	-	-	7,956	-	418	7.80
NORTH DAKOTA	-	-	-	-	NORTH DAKOTA	58	45	-	-	2,126	-	0	0.00
NORTH DAKOTA	-	-	-	-	OHIO	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	OHIO	295	463	-	-	4,285	-	8	1.73
OREGON	210	126	1,644	10	OREGON	7	7	-	-	2,740	-	0	0.00
PENNSYLVANIA	-	-	-	-	PENNSYLVANIA	1,846	5,361	-	-	7,956	-	418	7.80
RHODE ISLAND	-	-	-	-	RHODE ISLAND	58	45	-	-	2,126	-	0	0.00
RHODE ISLAND	-	-	-	-	RHODE ISLAND	54	275	-	-	13,952	-	4	1.45
SOUTH CAROLINA	-	-	-	-	SOUTH CAROLINA	3	18	-	-	16,438	-	0	0.00
SOUTH CAROLINA	-	-	-	-	SOUTH CAROLINA	145	293	-	-	5,536	-	2	0.68
TENNESSEE	14	6	1,174	1	TENNESSEE	2	12	-	-	16,438	-	0	0.00
TENNESSEE	-	-	-	-	TEXAS	6,439	20,847	-	-	8,870	-	647	3.10
TEXAS	-	-	-	-	TEXAS	0	0	-	-	-	-	-	-
UTAH	1	1	2,740	0	UTAH	0	0	-	-	-	-	-	-
UTAH	-	-	-	-	VERMONT	0	0	-	-	-	-	-	-
VERMONT	-	-	-	-	VERMONT	0	0	-	-	-	-	-	-
VIRGINIA	309	219	1,942	2	VIRGINIA	0	0	-	-	-	-	-	-
VIRGINIA	17	2	322	0	WEST VIRGINIA	0	0	-	-	-	-	-	-
WASHINGTON	8	27	9,247	0	WEST VIRGINIA	0	0	-	-	-	-	-	-
WASHINGTON	-	-	-	-	WISCONSIN	0	0	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	WISCONSIN	0	0	-	-	-	-	-	-
WISCONSIN	-	-	-	-	WYOMING	0	0	-	-	-	-	-	-
WYOMING	251	104	1,135	0	WYOMING	0	0	-	-	-	-	-	-
WYOMING	1,482	2,195	4,058	47	SUBTOTAL	6,439	20,847	-	-	8,870	-	647	3.10
SUBTOTAL	1,482	2,195	4,058	47	SUBTOTAL	6,439	20,847	-	-	8,870	-	647	3.10
INCOMPLETE DATA					INCOMPLETE DATA								
ARKANSAS	-	-	-	-	ARKANSAS	-	-	-	-	-	-	-	-
CONNECTICUT	-	-	-	-	CONNECTICUT	-	-	-	-	-	-	-	-
CONNECTICUT	-	-	-	-	CONNECTICUT	-	-	-	-	-	-	-	-
FLORIDA	-	-	-	-	FLORIDA	-	-	-	-	-	-	-	-
FLORIDA	-	-	-	-	FLORIDA	-	-	-	-	-	-	-	-
MARYLAND	-	-	-	-	MARYLAND	-	-	-	-	-	-	-	-
MARYLAND	-	-	-	-	MARYLAND	-	-	-	-	-	-	-	-
MISSISSIPPI	-	-	-	-	MISSISSIPPI	-	-	-	-	-	-	-	-
MISSISSIPPI	-	-	-	-	MISSISSIPPI	-	-	-	-	-	-	-	-
NEW HAMPSHIRE	-	-	-	-	NEW HAMPSHIRE	-	-	-	-	-	-	-	-
NEW HAMPSHIRE	-	-	-	-	NEW HAMPSHIRE	-	-	-	-	-	-	-	-
OKLAHOMA	-	-	-	-	OKLAHOMA	-	-	-	-	-	-	-	-
OKLAHOMA	-	-	-	-	OKLAHOMA	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	WASHINGTON	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	WASHINGTON	-	-	-	-	-	-	-	-

λ FATALITIES PER 100 MILLION VEHICLE MILES.

TABLE 5-F. FATALITIES BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID COLLECTOR HIGHWAYS

STATE	RURAL					STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES		
				NUMBER	RATE 1/					NUMBER	RATE 1/	
COMPLETE DATA						COMPLETE DATA						
ALABAMA	7,349	992	370	85	8.57	ALABAMA	660	354	1,469	38	10.73	
ALASKA	1,001	245	671	3	1.22	ALASKA	27	27	2,740	1	3.70	
ARIZONA	4,840	692	392	38	5.49	ARIZONA	459	559	3,337	10	1.79	
CALIFORNIA	12,112	3,077	696	168	5.46	CALIFORNIA	2,496	2,766	3,036	68	2.46	
COLORADO	16,246	1,367	231	75	5.49	COLORADO	35	25	1,957	8	32.00	
DELAWARE	164	69	1,153	2	2.90	DELAWARE	21	4	522	0	0.00	
DIST. OF COL.	-	-	-	-	-	DIST. OF COL.	5	10	5,479	0	0.00	
HAWAII	231	220	2,609	11	5.00	GEORGIA	-	-	-	-	-	
IDAHO	4,740	222	128	8	3.60	HAWAII	87	220	6,928	1	0.45	
ILLINOIS	5,062	1,931	1,045	55	2.85	IDAHO	65	5	211	0	0.00	
INDIANA	10,850	2,297	580	38	1.65	ILLINOIS	175	115	1,800	1	0.87	
IOWA	16,472	688	114	36	5.23	INDIANA	43	131	8,347	5	3.82	
KANSAS	9,430	268	78	7	2.61	IOWA	65	33	1,391	0	0.00	
KENTUCKY	9,386	1,587	463	90	5.67	KANSAS	294	320	2,982	4	1.25	
MAINE	2,814	576	561	15	2.60	KENTUCKY	123	120	2,673	6	5.00	
MASSACHUSETTS	1,954	443	621	18	4.06	MAINE	36	17	1,294	4	23.53	
MICHIGAN	7,828	1,534	537	201	13.10	MASSACHUSETTS	232	156	1,842	6	3.85	
MINNESOTA	12,143	930	210	34	3.66	MICHIGAN	2,003	2,449	3,350	4	0.16	
MISSOURI	5,456	278	140	8	2.88	MINNESOTA	1,227	1,468	3,278	20	1.36	
MONTANA	11,191	300	73	10	3.33	MISSOURI	240	311	3,550	8	2.57	
NEBRASKA	11,614	321	76	9	2.80	MONTANA	117	64	1,499	2	3.13	
NEVADA	2,418	136	154	5	3.68	NEBRASKA	-	-	-	-	-	
NEW JERSEY	1,294	1,084	2,295	31	2.86	NEVADA	162	128	2,165	7	5.47	
NEW MEXICO	3,214	298	246	24	8.33	NEW JERSEY	95	30	865	5	16.67	
NEW YORK	11,002	4,169	1,038	115	2.76	NEW MEXICO	255	276	2,965	5	1.81	
NORTH CAROLINA	9,477	2,585	747	159	6.15	NEW YORK	377	474	3,445	2	0.42	
NORTH DAKOTA	8,131	207	70	10	4.83	NORTH CAROLINA	1,055	657	1,706	10	1.52	
OHIO	7,539	1,840	669	74	4.02	NORTH DAKOTA	21	14	1,826	2	14.29	
OREGON	9,380	1,037	303	13	1.25	OHIO	-	-	-	-	-	
PENNSYLVANIA	9,196	2,364	764	87	3.68	OREGON	180	128	1,948	6	4.69	
RHODE ISLAND	221	111	1,376	3	2.70	PENNSYLVANIA	-	-	-	-	-	
SOUTH CAROLINA	4,107	499	333	20	4.01	RHODE ISLAND	-	-	-	-	-	
SOUTH DAKOTA	7,554	225	82	8	3.56	SOUTH CAROLINA	576	392	1,865	10	2.55	
TENNESSEE	6,743	829	337	21	2.53	SOUTH DAKOTA	60	74	3,379	1	1.35	
TEXAS	20,739	2,206	291	115	5.21	TENNESSEE	-	-	-	-	-	
UTAH	4,878	178	100	37	20.79	TEXAS	3,707	4,228	3,125	112	2.65	
VIRGINIA	2,359	360	418	13	3.61	UTAH	295	256	2,378	2	0.78	
WASHINGTON	7,373	923	343	69	7.48	VERMONT	-	-	-	-	-	
WEST VIRGINIA	2,210	330	409	14	4.24	VIRGINIA	23	13	1,549	0	0.00	
WISCONSIN	6,698	968	396	19	1.96	WEST VIRGINIA	7	9	3,523	0	0.00	
WYOMING	7,560	502	182	28	5.58	WISCONSIN	531	404	2,084	4	0.99	
						WYOMING	47	40	2,332	0	0.00	
SUBTOTAL	282,976	38,878	376	1,776	4.57	SUBTOTAL	15,801	16,277	2,822	352	2.16	
INCOMPLETE DATA						INCOMPLETE DATA						
ARKANSAS						ARKANSAS						
CONNECTICUT						CONNECTICUT						
FLORIDA						FLORIDA						
GEORGIA						LOUISIANA						
LOUISIANA						MARYLAND						
MARYLAND						MISSISSIPPI						
MISSISSIPPI						NEW HAMPSHIRE						
NEW HAMPSHIRE						OKLAHOMA						
OKLAHOMA						WASHINGTON						
VERMONT												

1/ FATALITIES PER 100 MILLION VEHICLE MILES.

TABLE 5-G. FATALITIES BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID LOCAL HIGHWAYS

STATE	RURAL				URBAN						
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES		
				NUMBER	RATE \perp				NUMBER	RATE \perp	
COMPLETE DATA											
ALABAMA	49,782	2,724	153	260	9,710	2,738	773	145	5.30		
ALASKA	2,784	369	362	11	999	270	740	2	0.74		
ARIZONA	59,065	1,613	80	62	6,437	1,310	558	41	3.13		
ARKANSAS	44,857	1,084	65	72	4,706	1,644	375	33	5.12		
CALIFORNIA	75,850	4,234	151	210	40,858	4,200	288	244	5.67		
COLORADO	41,732	1,417	93	28	6,442	2,613	1,111	17	0.65		
DELAWARE	2,759	347	345	15	955	330	947	3	0.91		
DIST. OF COL.	-	-	-	-	673	581	2,365	1	0.17		
HAWAII	1,770	296	458	3	897	787	2,404	8	1.02		
IDAHO	54,034	748	38	37	1,489	1,018	1,018	10	1.81		
ILLINOIS	75,974	3,237	115	120	11,418	553	1,615	156	2.45		
INDIANA	49,009	1,759	98	98	11,759	3,252	758	52	1.60		
IOWA	65,466	1,505	53	54	5,005	1,011	553	16	1.96		
KANSAS	83,420	1,218	40	61	5,833	1,275	599	25	1.56		
KENTUCKY	41,175	1,805	120	31	4,475	1,014	521	26	2.56		
MAINE	12,000	657	150	25	1,349	230	467	6	2.51		
MASSACHUSETTS	8,068	461	157	71	12,936	2,805	594	137	4.88		
MICHIGAN	60,033	1,155	53	280	15,490	1,918	319	288	15.02		
MINNESOTA	80,260	2,233	77	50	9,008	2,109	641	14	0.86		
MISSOURI	73,985	2,082	36	24	9,894	1,666	270	51	5.82		
MONTANA	46,559	616	36	24	1,666	699	1,150	4	0.57		
NEBRASKA	57,131	1,119	54	40	3,044	508	457	13	2.56		
NEVADA	34,440	21	21	11	1,601	403	690	7	1.74		
NEW JERSEY	7,385	752	279	38	15,628	9,541	1,673	82	0.85		
NEW MEXICO	37,855	717	54	48	3,205	1,008	862	22	2.18		
NEW YORK	46,575	5,121	288	126	25,534	9,238	991	152	1.69		
NORTH CAROLINA	51,365	2,959	160	222	11,755	3,477	910	56	1.51		
NORTH DAKOTA	59,894	707	32	15	979	204	571	3	1.47		
OHIO	55,892	6,168	297	171	19,743	11,434	1,587	132	1.07		
OREGON	102,936	1,353	35	28	5,835	885	415	18	2.03		
PENNSYLVANIA	61,416	5,485	245	118	19,002	5,272	760	220	4.17		
RHODE ISLAND	2,018	289	292	3	2,576	819	871	15	1.83		
SOUTH CAROLINA	37,231	2,809	207	135	4,895	937	524	24	2.56		
SOUTH DAKOTA	45,890	524	31	19	1,009	213	578	12	5.53		
TENNESSEE	49,343	1,567	87	125	8,612	3,965	1,261	60	1.51		
TEXAS	141,815	4,637	90	331	44,976	17,351	1,057	268	1.54		
UTAH	25,563	4,578	55	3	3,555	1,230	922	20	1.63		
VIRGINIA	32,729	2,811	228	88	8,782	3,835	1,196	51	1.33		
WEST VIRGINIA	20,477	1,873	117	18	1,890	196	284	3	1.53		
WISCONSIN	67,401	1,311	53	106	9,262	2,828	837	67	2.37		
WYOMING	21,622	227	29	11	1,877	126	394	6	4.76		
SUBTOTAL	1,892,583	69,919	101	3,283	364,859	109,157	820	2,500	2.29		
INCOMPLETE DATA											
CONNECTICUT											
FLORIDA											
GEORGIA											
LOUISIANA											
MARYLAND											
MISSISSIPPI											
NEW HAMPSHIRE											
OKLAHOMA											
VERMONT											
WASHINGTON											
\perp FATALITIES PER 100 MILLION VEHICLE MILES.											

TABLE 6-A. NONFATAL INJURIES BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID INTERSTATE HIGHWAYS

STATE	RURAL					STATE	URBAN				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES	
				NUMBER	RATE 1/					NUMBER	RATE 1/
COMPLETE DATA						COMPLETE DATA					
ALABAMA	642	2,724	11,675	684	25.11	ALABAMA	182	1,980	29,806	872	44.04
ALASKA	1,072	722	1,845	686	95.01	ALASKA	20	169	23,151	414	244.97
ARIZONA	1,028	3,143	8,376	1,628	51.80	ARIZONA	115	1,230	29,303	1,388	112.85
ARKANSAS	425	2,132	13,744	656	30.77	ARKANSAS	115	1,079	25,706	717	66.45
CALIFORNIA	1,459	9,046	16,987	3,982	44.02	CALIFORNIA	804	28,650	97,628	14,371	50.16
COLORADO	806	2,625	8,923	1,810	68.95	COLORADO	110	2,287	56,961	2,553	111.63
DELAWARE	7	164	64,188	67	40.85	DELAWARE	34	516	41,579	211	40.89
DIST. OF COL.	-	-	-	-	-	DIST. OF COL.	12	360	82,192	398	110.56
GEORGIA	931	6,813	20,049	2,558	37.55	GEORGIA	232	5,402	63,793	1,926	35.65
HAWAII	5	52	28,493	109	209.62	HAWAII	31	768	67,874	936	121.88
IDAHO	551	1,139	5,663	708	62.16	IDAHO	52	270	14,226	198	73.33
ILLINOIS	1,265	5,054	10,946	2,158	42.70	ILLINOIS	446	8,800	54,057	8,798	99.98
INDIANA	855	5,209	16,691	1,543	29.62	INDIANA	259	3,684	38,970	953	25.87
IOWA	612	2,202	9,858	698	31.70	IOWA	124	832	18,383	632	75.96
KANSAS	654	1,701	7,126	835	49.09	KANSAS	154	1,252	22,274	1,108	88.50
KENTUCKY	596	3,655	16,802	1,067	29.19	KENTUCKY	141	2,150	41,776	1,089	50.65
MAINE	282	938	9,113	474	50.53	MAINE	31	219	19,355	193	88.13
MASSACHUSETTS	172	1,370	21,822	288	21.02	MASSACHUSETTS	380	6,864	49,488	1,202	17.51
MICHIGAN	716	3,619	13,848	2,759	76.24	MICHIGAN	415	7,317	48,305	4,628	63.25
MINNESOTA	696	2,062	8,117	364	17.65	MINNESOTA	177	2,823	43,696	2,120	75.10
MISSOURI	833	3,733	12,278	1,031	27.62	MISSOURI	286	5,114	48,989	2,922	57.14
MONTANA	1,085	1,313	3,315	771	58.72	MONTANA	43	122	7,773	100	81.97
NEBRASKA	446	1,418	8,711	426	30.04	NEBRASKA	35	467	36,556	428	91.65
NEVADA	497	1,074	5,920	639	59.50	NEVADA	38	427	30,786	489	114.52
NEW JERSEY	108	1,069	27,118	292	27.32	NEW JERSEY	230	5,635	67,123	3,628	64.38
NEW MEXICO	916	2,130	6,371	1,444	67.79	NEW MEXICO	83	651	21,489	559	85.87
NEW YORK	874	4,044	12,677	2,362	58.41	NEW YORK	554	8,487	41,971	9,500	111.94
NORTH CAROLINA	583	3,570	16,777	1,194	33.45	NORTH CAROLINA	192	2,032	28,995	1,090	53.64
NORTH DAKOTA	536	715	3,655	242	33.89	NORTH DAKOTA	35	120	9,393	59	49.17
OHIO	882	6,959	21,617	2,126	30.55	OHIO	655	12,440	52,034	8,388	67.43
OREGON	583	2,494	11,720	839	33.64	OREGON	124	1,485	32,810	1,070	72.05
PENNSYLVANIA	1,174	6,792	15,850	3,061	45.07	PENNSYLVANIA	323	4,655	39,484	3,362	72.22
SOUTH CAROLINA	677	3,158	12,780	498	15.77	SOUTH CAROLINA	79	985	34,160	316	32.08
SOUTH DAKOTA	616	1,119	4,977	341	30.47	SOUTH DAKOTA	40	149	10,205	122	81.88
TENNESSEE	833	5,582	18,359	1,218	21.82	TENNESSEE	196	3,323	46,450	2,088	62.83
TEXAS	2,236	9,178	11,246	4,282	46.66	TEXAS	841	17,323	56,433	19,191	110.78
UTAH	663	1,442	5,959	1,056	73.23	UTAH	124	1,695	37,450	941	55.52
VIRGINIA	805	4,688	15,955	1,646	35.11	VIRGINIA	213	4,042	51,990	2,221	54.95
WASHINGTON	471	2,724	15,845	701	25.73	WASHINGTON	234	5,133	60,098	1,615	31.46
WEST VIRGINIA	359	1,276	9,738	543	42.55	WEST VIRGINIA	70	630	24,658	539	85.56
WISCONSIN	466	2,870	16,873	792	27.60	WISCONSIN	111	1,763	43,515	1,242	70.45
WYOMING	849	1,376	4,440	1,063	77.25	WYOMING	49	135	7,548	96	71.11
SUBTOTAL	29,266	123,094	11,523	49,641	40.33	SUBTOTAL	8,389	153,465	50,119	104,673	68.21
INCOMPLETE DATA						INCOMPLETE DATA					
CONNECTICUT						CONNECTICUT					
FLORIDA						FLORIDA					
LOUISIANA						LOUISIANA					
MARYLAND						MARYLAND					
MISSISSIPPI						MISSISSIPPI					
NEW HAMPSHIRE						NEW HAMPSHIRE					
OKLAHOMA						OKLAHOMA					
RHODE ISLAND						RHODE ISLAND					
VERMONT						VERMONT					

1/ NONFATALY INJURED PERSONS PER 100 MILLION VEHICLE MILES.

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TABLE 6-B. NONFATAL INJURIES BY STATE AND HIGHWAY SYSTEM - 1982
OTHER FEDERAL-AID PRIMARY HIGHWAYS

STATE	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	RURAL				URBAN								
			DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES		DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES								
				NUMBER	RATE 1/		NUMBER	RATE 1/							
COMPLETE DATA															
ALABAMA	5,908	5,927	2,749	4,681	78.98	699	2,652	10,334	3,732	140.72					
ALASKA	1,532	973	1,025	480	83.77	16	84	14,384	275	327.38					
ARIZONA	3,315	3,172	2,621	2,380	75.03	166	1,143	18,824	4,529	356.24					
CALIFORNIA	5,819	17,544	4,923	17,147	97.18	1,381	28,027	55,602	18,502	67.40					
COLORADO	3,993	4,037	2,770	3,752	92.94	322	4,837	41,155	5,114	126.40					
DELAWARE	329	1,288	10,111	1,213	94.18	75	573	20,932	1,396	243.63					
DIST. OF COL.	-	-	-	-	-	158	1,373	23,808	4,127	300.58					
HAWAII	402	913	6,222	1,458	159.69	110	1,170	29,141	2,413	206.28					
IDAHO	2,575	1,580	1,681	2,072	131.14	39	144	10,116	10,116	341.01					
ILLINOIS	7,901	8,245	2,859	10,791	130.88	1,822	10,010	15,082	34,135	301.28					
INDIANA	4,190	7,018	4,589	11,402	162.47	795	3,933	13,534	1,191	30.28					
IOWA	8,193	5,785	1,934	4,896	84.63	677	2,071	8,381	6,542	315.89					
KANSAS	7,767	4,729	1,666	4,105	85.80	338	1,320	10,700	3,099	234.77					
KENTUCKY	3,234	4,365	3,797	5,905	129.35	429	2,424	15,480	4,252	175.41					
MAINE	1,834	2,000	2,988	2,718	133.90	159	587	10,115	1,855	317.72					
MASSACHUSETTS	1,015	2,597	7,010	17,699	65.42	1,214	7,936	17,310	7,194	90.65					
MICHIGAN	4,684	8,095	4,714	17,480	216.90	472	9,924	21,821	5,058	50.57					
MINNESOTA	8,842	6,947	2,153	5,071	73.00	1,246	2,371	13,752	4,234	124.22					
MISSOURI	6,332	6,670	2,868	5,742	86.09	565	3,460	16,778	4,298	189.00					
MONTANA	5,330	2,126	1,081	2,512	122.86	105	418	10,804	790	333.06					
NEBRASKA	6,939	3,580	1,401	2,926	81.73	262	1,098	11,482	3,156	46.15					
NEVADA	946	946	1,450	1,110	117.34	58	338	15,265	156	203.26					
NEW JERSEY	1,787	3,113	10,674	4,931	158.40	641	8,321	35,565	16,913	203.26					
NEW MEXICO	3,334	2,748	2,218	2,617	95.23	174	666	10,487	3,567	535.59					
NEW YORK	6,488	8,946	3,772	2,617	382.05	1,864	17,381	25,547	36,716	211.24					
NORTH DAKOTA	5,444	1,711	5,078	1,153	67.39	128	400	8,562	1,029	257.25					
OHIO	4,756	8,830	2,647	11,900	133.86	1,530	5,994	10,733	25,176	420.02					
OREGON	4,600	4,445	2,647	5,309	123.81	358	2,203	16,855	4,974	225.78					
PENNSYLVANIA	8,097	14,631	4,451	19,731	134.86	1,833	11,819	17,665	21,222	179.56					
SOUTH CAROLINA	5,074	6,516	3,518	4,244	65.13	412	2,703	10,207	5,133	189.50					
SOUTH DAKOTA	5,738	2,356	1,125	1,502	63.75	113	421	13,746	1,145	271.97					
TENNESSEE	5,082	6,484	3,496	6,569	102.85	803	4,029	13,746	8,084	200.65					
TEXAS	15,067	19,148	3,482	14,924	77.94	1,570	12,682	22,131	22,784	132.60					
UTAH	2,473	1,535	1,701	1,868	123.00	103	454	12,076	602	152.86					
VIRGINIA	4,953	8,280	4,580	8,946	108.04	443	3,292	20,359	5,032	152.86					
WASHINGTON	4,447	5,264	3,255	2,234	42.28	530	3,702	19,137	2,056	55.54					
WEST VIRGINIA	2,253	2,573	3,129	6,113	237.58	180	755	11,492	2,076	274.97					
WISCONSIN	7,982	8,982	3,085	8,205	88.12	967	4,589	13,002	8,463	184.42					
WYOMING	2,888	1,448	1,374	1,276	88.12	92	365	10,870	766	209.85					
SUBTOTAL	185,763	205,491	3,031	245,659	119.55	22,850	165,669	19,864	284,115	171.50					
INCOMPLETE DATA															
ARKANSAS															
CONNECTICUT															
FLORIDA															
GEORGIA															
LOUISIANA															
MARYLAND															
MISSISSIPPI															
NEW HAMPSHIRE															
NORTH CAROLINA															
OKLAHOMA															
RHODE ISLAND															
VERMONT															

1/ NONFATAL INJURED PERSONS PER 100 MILLION VEHICLE MILES.

**TABLE 6-D. NONFATAL INJURIES
BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID SECONDARY HIGHWAYS**

STATE	COLLECTOR, RURAL				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES	
				NUMBER	RATE 1/
COMPLETE DATA					
ALASKA	2,324	720	849	856	118.89
ARIZONA	3,136	1,555	1,359	1,667	107.20
CALIFORNIA	11,103	7,715	1,904	22,897	296.79
COLORADO	3,441	1,140	908	1,878	164.74
DELAWARE	630	489	2,127	653	133.54
DIST. OF COL.	-	-	-	-	-
HAWAII	434	301	1,900	685	227.57
IDAHO	4,250	1,738	1,120	1,410	81.13
ILLINOIS	12,856	3,287	700	5,496	167.20
INDIANA	9,093	3,536	1,065	3,466	98.02
IOWA	13,341	2,299	472	3,201	139.23
KANSAS	22,530	2,164	263	2,120	97.97
KENTUCKY	7,295	3,857	1,449	6,937	179.85
MAINE	2,742	1,290	1,289	1,750	135.66
MASSACHUSETTS	2,006	1,583	2,162	1,511	95.45
MICHIGAN	19,019	8,637	1,244	785	9.09
MINNESOTA	16,281	3,037	511	3,346	110.17
MISSOURI	18,090	4,660	706	5,571	119.55
MONTANA	4,717	423	246	618	146.10
NEBRASKA	11,411	1,046	251	1,331	127.25
NEVADA	2,332	662	778	1,010	152.57
NEW JERSEY	1,731	2,173	3,439	4,728	217.58
NEW MEXICO	3,945	1,085	754	1,793	165.25
NEW YORK	6,381	3,836	1,647	19,671	512.80
NORTH DAKOTA	10,455	675	177	563	83.41
OHIO	11,826	7,122	1,650	14,253	200.13
OREGON	7,709	1,622	576	3,003	185.14
PENNSYLVANIA	8,222	5,219	1,739	8,739	167.45
SOUTH CAROLINA	8,863	4,081	1,262	3,245	79.51
SOUTH DAKOTA	10,867	894	225	647	72.37
TENNESSEE	9,820	3,656	1,020	4,697	128.47
TEXAS	32,705	12,048	1,009	13,919	115.53
UTAH	2,556	635	681	917	144.41
VIRGINIA	10,360	4,759	1,259	7,985	167.79
WASHINGTON	7,081	2,501	968	1,038	41.50
WEST VIRGINIA	6,327	2,740	1,186	6,497	237.12
WISCONSIN	11,737	3,762	878	8,248	219.25
WYOMING	2,281	400	480	457	114.25
SUBTOTAL	319,897	107,347	919	167,588	156.12
INCOMPLETE DATA					
ALABAMA					
ARKANSAS					
CONNECTICUT					
FLORIDA					
GEORGIA					
LOUISIANA					
MARYLAND					
MISSISSIPPI					
NEW HAMPSHIRE					
NORTH CAROLINA					
OKLAHOMA					
RHODE ISLAND					
VERMONT					

1/ NONFATALY INJURED PERSONS PER 100 MILLION VEHICLE MILES.

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TABLE 6-E. NONFATAL INJURIES BY STATE AND HIGHWAY SYSTEM - 1982

NONFEDERAL-AID ARTERIAL HIGHWAYS

STATE	RURAL					STATE	URBAN				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES	
				NUMBER	RATE 1/					NUMBER	RATE 1/
COMPLETE DATA						COMPLETE DATA					
ALABAMA	-	-	-	-	-	ALABAMA	-	-	-	-	-
ALASKA	-	-	-	-	-	ALASKA	-	-	-	-	-
ARIZONA	15	17	3,105	17	100.00	ARIZONA	22	85	10,585	90	105.88
CALIFORNIA	31	73	6,452	250	342.47	CALIFORNIA	1,279	5,380	11,524	5,914	109.93
COLORADO	-	-	-	-	-	COLORADO	-	5	3,425	99	1,980.00
DELAWARE	1	1	2,740	10	1,000.00	DELAWARE	3	4	3,653	1	25.00
DIST. OF COL.	-	-	-	-	-	DIST. OF COL.	11	94	23,412	445	473.40
GEORGIA	-	-	-	-	-	GEORGIA	-	-	-	-	-
HAWAII	10	44	12,055	116	263.64	HAWAII	13	56	11,802	163	291.07
IDAHO	-	-	-	-	-	IDAHO	28	5	489	0	0.00
ILLINOIS	-	-	-	-	-	ILLINOIS	79	118	4,092	344	291.53
INDIANA	35	71	5,558	0	0.00	INDIANA	12	177	40,411	32	18.08
IOWA	-	-	-	-	-	IOWA	15	27	4,932	0	0.00
KANSAS	48	61	3,482	57	93.44	KANSAS	210	610	7,958	2,655	435.25
KENTUCKY	-	-	-	-	-	KENTUCKY	1	1	2,740	6	600.00
LOUISIANA	-	-	-	-	-	MAINE	15	43	7,854	1,411	3,281.39
MAINE	41	72	4,811	49	68.06	MASSACHUSETTS	18	54	8,219	57	105.56
MASSACHUSETTS	-	-	-	-	-	MICHIGAN	163	330	5,547	547	165.76
MICHIGAN	-	-	-	-	-	MINNESOTA	66	37	1,536	240	648.65
MINNESOTA	-	-	-	-	-	MONTANA	35	48	3,757	101	210.42
MISSOURI	9	8	2,435	37	462.50	NEBRASKA	-	-	-	-	-
MONTANA	93	17	501	17	100.00	NEVADA	11	28	6,974	26	92.86
NEBRASKA	-	-	-	-	-	NEW JERSEY	282	3,327	32,323	2,571	77.28
NEVADA	1	4	10,959	8	200.00	NEW MEXICO	100	126	3,452	238	188.89
NEW JERSEY	139	1,208	23,810	784	64.90	NEW YORK	124	1,423	31,441	1,575	110.68
NEW MEXICO	-	-	-	-	-	NORTH DAKOTA	4	5	3,425	1	20.00
NEW YORK	-	-	-	-	-	OHIO	-	-	-	-	-
NORTH DAKOTA	-	-	-	-	-	OREGON	55	112	5,579	129	115.18
OHIO	-	-	-	-	-	PENNSYLVANIA	-	-	-	-	-
OREGON	210	126	1,644	195	154.76	RHODE ISLAND	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	SOUTH CAROLINA	296	463	4,285	986	212.96
RHODE ISLAND	-	-	-	-	-	SOUTH DAKOTA	7	7	2,740	0	0.00
SOUTH CAROLINA	-	-	-	-	-	TENNESSEE	-	-	-	-	-
SOUTH DAKOTA	14	6	1,174	6	100.00	TEXAS	1,846	5,361	7,956	1,834	34.21
TENNESSEE	-	-	-	-	-	UTAH	58	45	2,126	70	155.56
TEXAS	-	-	-	-	-	VERMONT	-	-	-	-	-
UTAH	1	1	2,740	3	300.00	VIRGINIA	54	275	13,952	19	6.91
VERMONT	-	-	-	-	-	WEST VIRGINIA	3	18	16,438	25	138.89
VIRGINIA	309	219	1,942	4	1.83	WISCONSIN	145	293	5,536	353	120.48
WASHINGTON	17	2	322	0	0.00	WYOMING	2	12	16,438	0	0.00
WEST VIRGINIA	8	27	9,247	5	18.52						
WISCONSIN	-	-	-	-	-	SUBTOTAL	4,961	18,569	10,255	19,932	107.34
WYOMING	251	104	1,135	0	0.00						
SUBTOTAL	1,233	2,061	4,580	1,558	75.59	INCOMPLETE DATA					
INCOMPLETE DATA						ALABAMA					
ARKANSAS						ARKANSAS					
CONNECTICUT						CONNECTICUT					
FLORIDA						FLORIDA					
MARYLAND						LOUISIANA					
MISSISSIPPI						MARYLAND					
NEW HAMPSHIRE						MISSISSIPPI					
NORTH CAROLINA						MISSOURI					
OKLAHOMA						NEW HAMPSHIRE					
						NORTH CAROLINA					
						OKLAHOMA					
						WASHINGTON					

1/ NONFATAL INJURED PERSONS PER 100 MILLION VEHICLE MILES.

TABLE 6-F. NONFATAL INJURIES BY STATE AND HIGHWAY SYSTEM - 1982

NONFEDERAL-AID COLLECTOR HIGHWAYS

STATE	RURAL					STATE	URBAN				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES	
				NUMBER	RATE 1/					NUMBER	RATE 1/
COMPLETE DATA						COMPLETE DATA					
ALASKA	1,001	245	671	267	108.98	ALASKA	27	27	2,740	83	307.41
ARIZONA	4,840	692	392	391	56.50	ARIZONA	459	559	3,337	1,515	271.02
CALIFORNIA	12,112	3,077	696	13,801	448.52	CALIFORNIA	2,496	2,766	3,036	6,154	222.49
COLORADO	16,246	1,367	231	2,965	216.90	COLORADO	35	25	1,957	133	532.00
DELAWARE	164	69	1,153	103	149.28	DELAWARE	21	4	522	43	1,075.00
DIST. OF COL.	-	-	-	-	-	DIST. OF COL.	5	10	5,479	57	570.00
HAWAII	231	220	2,609	279	126.82	GEORGIA	-	-	-	-	-
IDAHO	4,740	222	128	263	118.47	HAWAII	87	220	6,928	199	90.45
ILLINOIS	5,062	1,931	1,045	1,636	84.72	IDAHO	65	5	211	0	0.00
INDIANA	10,850	2,297	580	2,956	128.69	ILLINOIS	175	115	1,800	544	473.04
IOWA	16,472	688	114	1,152	167.44	INDIANA	43	131	8,347	66	50.38
KANSAS	9,430	268	78	231	86.19	IOWA	65	33	1,391	54	163.64
KENTUCKY	9,386	1,587	463	3,141	197.92	KANSAS	294	320	2,982	917	286.56
MAINE	2,814	576	561	1,121	194.62	KENTUCKY	123	120	2,673	333	277.50
MASSACHUSETTS	1,954	443	621	975	220.09	MAINE	36	17	1,294	305	1,794.12
MICHIGAN	7,828	1,534	537	12,861	838.40	MASSACHUSETTS	232	156	1,842	183	117.31
MINNESOTA	12,143	930	210	1,036	111.40	MICHIGAN	2,003	2,449	3,350	1,242	50.71
MISSOURI	5,456	278	140	338	121.58	MINNESOTA	1,227	1,468	3,278	3,435	233.99
MONTANA	11,191	300	73	562	194.00	MONTANA	117	64	1,499	83	129.69
NEBRASKA	11,614	321	76	614	191.28	NEBRASKA	-	-	-	-	-
NEVADA	2,418	136	154	148	108.82	NEVADA	162	128	2,165	734	573.44
NEW JERSEY	1,294	1,084	2,295	1,723	158.95	NEW JERSEY	95	30	865	209	696.67
NEW MEXICO	3,214	288	246	358	124.31	NEW MEXICO	255	276	2,965	720	260.87
NEW YORK	11,002	4,169	1,038	17,540	420.72	NEW YORK	377	474	3,445	589	124.26
NORTH DAKOTA	8,131	207	70	182	87.92	NORTH DAKOTA	21	14	1,826	54	385.71
OHIO	7,539	1,840	669	3,981	216.36	OHIO	-	-	-	-	-
OREGON	9,380	1,037	303	605	58.34	OREGON	180	128	1,948	413	322.66
PENNSYLVANIA	9,196	2,364	704	4,467	188.96	PENNSYLVANIA	-	-	-	-	-
SOUTH CAROLINA	4,107	499	333	329	65.93	RHODE ISLAND	-	-	-	-	-
SOUTH DAKOTA	7,554	225	82	167	74.22	SOUTH CAROLINA	576	392	1,865	577	147.19
TENNESSEE	6,743	829	337	434	52.35	SOUTH DAKOTA	60	74	3,379	0	0.00
TEXAS	20,739	2,206	291	1,896	85.95	TENNESSEE	-	-	-	-	-
UTAH	4,878	178	100	1,045	587.08	TEXAS	3,707	4,228	3,125	61	1.44
VIRGINIA	2,359	360	418	764	212.22	UTAH	295	256	2,378	479	187.11
WASHINGTON	7,373	923	343	489	52.98	VERMONT	-	-	-	-	-
WEST VIRGINIA	2,210	330	409	580	175.76	VIRGINIA	23	13	1,549	33	253.85
WISCONSIN	6,698	968	396	557	57.54	WEST VIRGINIA	7	9	3,523	37	411.11
WYOMING	7,560	502	182	285	56.77	WISCONSIN	531	404	2,084	706	174.75
						WYOMING	47	40	2,332	1	2.50
SUBTOTAL	265,925	35,190	363	80,262	228.08	SUBTOTAL	13,846	14,955	2,959	19,959	133.46
INCOMPLETE DATA						INCOMPLETE DATA					
ALABAMA						ALABAMA					
ARKANSAS						ARKANSAS					
CONNECTICUT						CONNECTICUT					
FLORIDA						FLORIDA					
GEORGIA						LOUISIANA					
LOUISIANA						MARYLAND					
MARYLAND						MISSISSIPPI					
MISSISSIPPI						MISSOURI					
NEW HAMPSHIRE						NEW HAMPSHIRE					
NORTH CAROLINA						NORTH CAROLINA					
OKLAHOMA						OKLAHOMA					
RHODE ISLAND						WASHINGTON					
VERMONT											

1/ NONFATALY INJURED PERSONS PER 100 MILLION VEHICLE MILES.

TABLE 6-G. NONFATAL INJURIES BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID LOCAL HIGHWAYS

STATE	RURAL					STATE	URBAN				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES	
				NUMBER	RATE 1/					NUMBER	RATE 1/
COMPLETE DATA						COMPLETE DATA					
ALABAMA	48,782	2,724	153	5,611	205.98	ALABAMA	9,710	2,738	773	13,959	509.82
ALASKA	2,784	368	362	1,007	273.64	ALASKA	999	270	740	83	30.74
ARIZONA	55,065	1,613	80	5,079	314.88	ARIZONA	6,437	1,310	558	5,347	408.17
ARKANSAS	44,857	1,084	66	2,185	201.57	ARKANSAS	4,706	644	375	7,556	1,173.29
CALIFORNIA	76,850	4,234	151	17,243	407.25	CALIFORNIA	40,858	4,300	288	22,118	514.37
COLORADO	41,752	1,417	93	1,798	126.89	COLORADO	6,442	2,613	1,111	2,729	104.44
DELAWARE	2,759	347	345	597	172.05	DELAWARE	955	330	947	802	243.03
DIST. OF COL.	-	-	-	-	-	DIST. OF COL.	673	581	2,365	3,911	673.15
HAWAII	1,770	295	458	146	49.32	HAWAII	897	787	2,404	1,611	204.70
IDAHO	54,034	748	38	1,771	236.76	IDAHO	1,489	553	1,018	1,109	200.54
ILLINOIS	76,974	3,237	115	6,137	189.59	ILLINOIS	21,418	6,371	815	30,510	478.89
INDIANA	49,009	1,759	98	7,561	430.98	INDIANA	11,759	3,252	758	14,396	442.68
IOWA	65,466	1,505	63	1,728	114.82	IOWA	5,005	1,011	553	2,653	203.07
KANSAS	83,420	1,218	40	3,460	284.07	KANSAS	5,833	1,275	599	4,163	326.51
KENTUCKY	41,175	1,905	120	3,973	220.11	KENTUCKY	4,475	1,014	621	3,545	349.61
MAINE	12,000	657	150	2,355	358.45	MAINE	1,349	230	467	506	220.00
MASSACHUSETTS	8,068	461	157	2,521	568.55	MASSACHUSETTS	12,936	2,805	594	9,813	349.84
MICHIGAN	60,033	1,155	53	19,291	1,670.22	MICHIGAN	16,490	1,918	319	49,590	2,585.51
MINNESOTA	80,260	2,253	77	1,096	48.65	MINNESOTA	9,008	2,109	641	3,882	184.07
MONTANA	46,659	616	36	2,021	328.08	MONTANA	1,666	699	1,150	245	35.05
NEBRASKA	57,131	1,119	54	2,286	204.29	NEBRASKA	3,044	508	457	1,388	273.23
NEVADA	34,440	264	21	226	85.61	NEVADA	1,601	403	690	1,083	268.73
NEW JERSEY	7,386	752	279	2,963	394.02	NEW JERSEY	15,628	9,541	1,673	15,907	166.72
NEW MEXICO	37,856	747	54	1,498	200.54	NEW MEXICO	3,205	1,008	862	2,539	251.88
NEW YORK	48,676	5,121	288	30,051	586.82	NEW YORK	25,534	9,238	991	36,357	393.99
NORTH DAKOTA	59,894	707	32	696	98.44	NORTH DAKOTA	979	204	571	596	292.16
OHIO	56,892	6,168	297	11,555	187.34	OHIO	19,743	11,434	1,587	22,090	193.20
OREGON	102,836	1,353	36	1,145	84.63	OREGON	5,835	886	416	3,433	387.47
PENNSYLVANIA	61,416	5,485	245	8,521	155.35	PENNSYLVANIA	19,002	5,272	760	29,934	567.73
SOUTH CAROLINA	37,231	2,808	207	2,553	90.92	SOUTH CAROLINA	4,895	937	524	2,291	244.50
SOUTH DAKOTA	46,890	524	31	785	149.81	SOUTH DAKOTA	1,009	213	578	610	286.38
TENNESSEE	49,343	1,567	87	4,316	275.43	TENNESSEE	8,612	3,965	1,261	7,632	192.48
TEXAS	141,815	4,637	90	14,378	310.07	TEXAS	44,976	17,351	1,057	82,157	473.50
UTAH	28,563	578	55	212	36.68	UTAH	3,655	1,230	922	2,605	211.79
VIRGINIA	33,729	2,811	228	4,133	147.03	VIRGINIA	8,782	3,835	1,196	5,959	155.38
WEST VIRGINIA	20,477	873	117	1,495	171.25	WEST VIRGINIA	1,890	196	284	252	128.57
WISCONSIN	67,401	1,311	53	5,617	428.45	WISCONSIN	9,262	2,828	837	13,057	461.70
WYOMING	21,622	227	29	608	267.84	WYOMING	877	126	394	610	484.13
SUBTOTAL	1,765,315	64,549	100	178,738	276.90	SUBTOTAL	341,634	103,985	834	406,468	390.89
INCOMPLETE DATA						INCOMPLETE DATA					
CONNECTICUT						CONNECTICUT					
FLORIDA						FLORIDA					
GEORGIA						GEORGIA					
LOUISIANA						LOUISIANA					
MARYLAND						MARYLAND					
MISSISSIPPI						MISSISSIPPI					
MISSOURI						MISSOURI					
NEW HAMPSHIRE						NEW HAMPSHIRE					
NORTH CAROLINA						NORTH CAROLINA					
OKLAHOMA						OKLAHOMA					
RHODE ISLAND						RHODE ISLAND					
VERMONT						VERMONT					
WASHINGTON						WASHINGTON					

1/ NONFATALY INJURED PERSONS PER 100 MILLION VEHICLE MILES.

SECTION III—OTHER RATES

A. Highway Mileage

Vehicle mileage rates for the United States, listed in Table 1, are the most common measure of safety performance. For some purposes, rates per mile of highway may be more useful. These are listed in Table 7. Note that, because of the concentration of travel on highway systems with the fewest fatalities per vehicle-mile, highways on these systems tend to have the highest number of fatalities per highway mile.

B. Population

Population rates are most useful for comparing motor vehicle accidents with other public health problems. In 1978, only heart disease, cancer, stroke, and pneumonia were responsible for more deaths, according to the National Center for Health Statistics. State rates per thousand residents are listed in Table 8 for fatal and nonfatal injury accidents, fatalities, and nonfatally injured persons.

C. Licensed Drivers

The number of accidents per licensed driver reflects both the care with which drivers operate their vehicles and the amount of travel under various conditions. State accident, fatality, and injury rates per licensed driver are listed in Table 9.

D. Registered Vehicles

As is the case with licensed drivers, the number of accidents per registered vehicle is affected both by the care with which the vehicle is driven and the amount of travel under various conditions. State rates per registered vehicle are listed in Table 10.

TABLE 7. U.S. HIGHWAY-MILE RATES BY HIGHWAY SYSTEM - 1982

HIGHWAY SYSTEM	HIGHWAY MILES 2/	VEHICLE MILES (MILLIONS) 2/	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		NONFATAL INJURY ACCIDENTS 4/		FATALITIES		NONFATALLY INJURED PERSONS 4/	
				NUMBER	RATE 3/	NUMBER	RATE 3/	NUMBER	RATE 3/	NUMBER	RATE 3/
INTERSTATE (ARTERIAL)											
RURAL	32,879	142,186	11,848	1,861	56.60	36,140	1,099.2	2,175	66.15	58,191	1,769.9
URBAN	9,581	175,459	50,173	1,704	177.85	81,180	8,473.0	1,878	196.01	121,450	12,676.1
TOTAL	42,460	317,645	20,456	3,565	83.96	117,320	2,763.1	4,053	95.45	179,641	4,230.8
OTHER FEDERAL-AID PRIMARY (ARTERIAL)											
RURAL	226,111	266,296	3,226	8,632	38.18	193,049	853.8	10,236	45.27	323,062	1,428.8
URBAN	29,648	204,777	18,523	3,477	117.95	232,351	7,837.0	3,862	130.26	356,383	12,020.5
TOTAL	255,759	471,073	5,046	12,129	47.42	425,400	1,663.3	14,098	55.12	679,445	2,656.6
FEDERAL-AID URBAN											
ARTERIAL	82,083	276,674	9,238	6,677	81.37	502,987	6,130.0	7,391	90.08	752,137	9,166.5
COLLECTOR	81,437	64,214	3,419	1,142	22.20	109,806	2,114.9	1,217	23.66	153,567	2,986.9
TOTAL (ALL URBAN)	133,500	340,888	6,955	7,819	58.57	611,793	4,582.7	8,608	64.48	905,804	6,785.0
FEDERAL-AID SECONDARY (COLLECTOR)											
TOTAL (ALL RURAL)	401,999	145,172	989	5,556	13.85	143,728	357.8	6,291	15.65	229,993	872.1
NON-FEDERAL-AID											
ARTERIAL											
RURAL	3,786	3,762	2,722	65	17.17	1,450	385.6	83	21.92	2,886	762.3
URBAN	8,089	24,200	8,197	720	89.02	17,769	2,197.0	765	94.58	26,360	3,259.1
TOTAL	11,874	27,962	6,451	785	66.11	15,229	1,619.4	848	71.42	29,246	2,463.0
NON-FEDERAL-AID COLLECTOR											
RURAL	336,525	49,858	405	2,075	6.17	79,448	235.1	2,324	6.91	115,397	342.9
URBAN	10,115	20,899	3,035	401	22.14	18,783	1,036.9	443	24.45	27,220	1,502.6
TOTAL	354,640	69,557	540	2,476	6.96	98,231	277.0	2,767	7.80	142,617	402.1
NON-FEDERAL-AID LOCAL											
RURAL	2,224,440	83,411	102	3,532	1.63	163,118	73.3	3,997	1.80	234,379	105.4
URBAN	441,624	136,373	846	3,025	5.85	389,776	882.6	3,184	7.21	540,947	1,224.9
TOTAL	2,666,064	219,784	229	6,559	2.50	552,894	207.4	7,181	2.69	775,326	290.8
ALL FEDERAL-AID											
RURAL	660,989	593,654	2,294	16,059	24.30	372,917	564.2	18,702	28.29	611,245	924.7
URBAN	176,729	721,124	11,438	13,020	75.88	925,324	5,357.1	14,348	83.07	1,383,637	8,010.4
TOTAL	833,718	1,274,778	4,189	29,079	34.68	1,298,241	1,597.2	33,050	39.54	1,994,883	2,393.8
ALL NON-FEDERAL-AID											
RURAL	2,564,751	137,031	146	5,773	2.25	244,026	95.1	6,404	2.50	352,652	137.5
URBAN	457,827	180,672	1,058	4,147	8.86	426,326	2,110.3	4,392	9.39	594,527	1,270.8
TOTAL	3,032,578	317,703	287	9,920	3.27	670,354	221.1	10,796	3.56	947,189	312.3
NON-INTERSTATE											
RURAL	3,192,861	548,499	470	19,971	6.25	580,803	181.9	22,931	7.18	905,717	283.7
URBAN	630,975	726,337	3,163	15,463	24.51	1,270,472	2,043.5	16,852	26.72	1,656,714	2,942.5
TOTAL	3,823,836	1,274,836	913	35,434	9.27	1,851,275	484.1	39,793	10.41	2,762,431	722.4
TOTAL											
RURAL	3,225,740	690,685	595	21,832	6.77	616,943	191.3	25,106	7.78	953,908	298.8
URBAN	640,566	901,796	3,857	17,167	26.80	1,351,652	2,110.1	18,740	29.26	1,978,164	3,088.2
TOTAL	3,866,296	1,592,481	1,128	38,999	10.09	1,968,595	509.2	43,846	11.34	2,942,072	761.0

1/ U.S. ESTIMATES EXCLUDE THE COMMONWEALTH OF PUERTO RICO AND THE TERRITORIES OF AMERICAN SAMOA, GUAM, AND VIRGIN ISLANDS. ESTIMATES FOR FATAL ACCIDENTS, FATALITIES, NONFATAL INJURY ACCIDENTS AND NONFATALLY INJURED PERSONS ARE BASED ON THE PARTIAL DATA REPORTED BY STATES WHICH ARE DISPLAYED IN THE FOLLOWING TABLES, TOGETHER WITH TOTALS REPORTED BY MOST STATES.

2/ MILEAGE AND TRAVEL DATA ARE FROM THE HIGHWAY PERFORMANCE MONITORING SYSTEM (HPMS) FOR 1982. FEDERAL-AID HIGHWAY MILEAGE IS FROM HPMS UNIVERSE DATA AS OF SEPTEMBER 30, 1983 AND VEHICLE-MILES OF TRAVEL ARE FROM THE HPMS AREAWIDE SUMMARY TABLES AS OF SEPTEMBER 30, 1983. FEDERAL HIGHWAY ADMINISTRATION ESTIMATES WERE MADE FOR MAJOR HIGHWAY CATEGORIES WHERE COMPLETE FUNCTIONAL OR FEDERAL-AID SYSTEM DATA WERE NOT REPORTED.

3/ RATES ARE PER 1000 HIGHWAY MILES.

4/ TOTALS OF NON-FATAL INJURY ACCIDENTS AND NON-FATALLY INJURED PERSONS WERE ESTIMATED BY FHWA FOR ALASKA, CONNECTICUT, FLORIDA, LOUISIANA, MARYLAND, MISSISSIPPI, NEW HAMPSHIRE, RHODE ISLAND, VERMONT, AND FOR THE NON-STATE MILEAGE OF MISSOURI.

**TABLE 8. FATAL AND INJURY ACCIDENT DATA
RELATED TO POPULATION - 1982**

STATE	POPULATION		RATES PER THOUSAND PERSONS			
	NUMBER (THOUSANDS)	VEHICLE MILES PER CAPITA	FATAL ACCIDENT RATE	FATALITY RATE	INJURY ACCIDENT RATE	INJURY RATE
ALABAMA	3,943	7,232	0.19	0.21	5.73	8.22
ALASKA	438	8,452	0.21	0.24	9.34	13.81
ARIZONA	2,860	5,898	0.22	0.25	10.13	16.01
ARKANSAS	2,291	7,259	0.21	0.24	6.99	10.91
CALIFORNIA	24,724	6,876	0.17	0.19	7.48	11.09
COLORADO	3,045	7,811	0.20	0.22	8.70	12.78
CONNECTICUT	3,153	6,387	0.15	0.15	1/ 0.00	1/ 0.00
DELAWARE	602	7,626	0.19	0.20	7.88	11.94
DIST. OF COL.	631	5,357	0.06	0.06	14.46	21.42
FLORIDA	10,416	7,632	0.22	0.24	1/ 0.00	1/ 0.00
GEORGIA	5,639	8,642	0.19	0.22	7.21	10.73
HAWAII	994	6,085	0.14	0.16	8.56	12.14
IDAHO	955	8,142	0.22	0.26	7.35	11.41
ILLINOIS	11,448	5,751	0.13	0.14	9.14	13.65
INDIANA	5,471	7,166	0.15	0.17	7.68	11.20
IOWA	2,905	6,658	0.15	0.17	6.17	8.92
KANSAS	2,408	7,333	0.18	0.21	8.24	12.42
KENTUCKY	3,667	6,989	0.20	0.22	7.35	11.05
LOUISIANA	4,362	6,167	0.22	0.25	1/ 0.00	1/ 0.00
MAINE	1,133	6,751	0.13	0.15	8.55	12.40
MARYLAND	4,265	6,781	0.13	0.15	1/ 0.00	1/ 0.00
MASSACHUSETTS	5,781	6,343	0.11	0.11	5.97	8.08
MICHIGAN	9,109	6,719	0.14	0.15	9.59	14.28
MINNESOTA	4,133	7,059	0.12	0.14	5.94	8.67
MISSISSIPPI	2,551	6,721	0.24	0.29	1/ 0.00	1/ 0.00
MISSOURI	4,951	7,070	0.16	0.18	1/ 0.00	1/ 0.00
MONTANA	801	8,326	0.27	0.32	7.65	11.63
NEBRASKA	1,586	7,210	0.14	0.15	8.37	12.51
NEVADA	881	7,279	0.28	0.32	8.56	12.93
NEW HAMPSHIRE	951	7,330	0.16	0.18	1/ 0.00	1/ 0.00
NEW JERSEY	7,438	6,965	0.13	0.15	11.01	16.34
NEW MEXICO	1,359	8,720	0.36	0.42	10.94	17.11
NEW YORK	17,559	4,558	0.11	0.12	9.67	14.32
NORTH CAROLINA	6,019	7,161	0.19	0.22	8.82	13.93
NORTH DAKOTA	670	7,839	0.19	0.22	5.77	8.66
OHIO	10,791	6,649	0.13	0.15	9.70	15.26
OKLAHOMA	3,177	9,446	0.29	0.34	7.57	11.25
OREGON	2,649	7,317	0.18	0.20	8.04	13.07
PENNSYLVANIA	11,865	6,010	0.14	0.15	7.05	10.53
RHODE ISLAND	958	6,167	0.10	0.11	1/ 0.00	1/ 0.00
SOUTH CAROLINA	3,203	7,562	0.21	0.23	4.90	7.19
SOUTH DAKOTA	691	9,205	0.19	0.21	6.07	8.93
TENNESSEE	4,651	7,481	0.20	0.23	7.34	10.59
TEXAS	15,280	8,195	0.24	0.28	8.89	13.39
UTAH	1,554	7,030	0.17	0.19	7.42	11.38
VERMONT	516	7,738	0.18	0.21	1/ 0.00	1/ 0.00
VIRGINIA	5,491	7,545	0.14	0.16	7.36	10.80
WASHINGTON	4,245	7,363	0.16	0.18	9.18	12.21
WEST VIRGINIA	1,948	5,612	0.21	0.24	8.31	13.27
WISCONSIN	4,765	6,882	0.14	0.16	7.64	11.09
WYOMING	502	520	0.34	0.40	7.59	11.63
U.S. TOTAL	231,535	6,878	0.17	0.19	7.10	10.59

1/ RATE COULD NOT BE COMPUTED BECAUSE DATA WAS NOT REPORTED OR WAS NOT USABLE.

**TABLE 9. FATAL AND INJURY ACCIDENT DATA
RELATED TO LICENSED DRIVERS - 1982**

STATE	LICENSED DRIVERS		RATES PER THOUSAND DRIVERS			
	NUMBER (THOUSANDS)	VEHICLE MILES PER DRIVER	FATAL ACCIDENT RATE	FATALITY RATE	INJURY ACCIDENT RATE	INJURY RATE
ALABAMA	2,316	12,313	0.32	0.36	9.75	13.99
ALASKA	321	11,533	0.29	0.32	12.74	18.84
ARIZONA	2,086	9,458	0.30	0.35	13.89	21.95
ARKANSAS	1,591	10,453	0.30	0.34	10.06	15.72
CALIFORNIA	16,299	10,430	0.25	0.28	11.35	16.82
COLORADO	2,182	10,901	0.27	0.31	12.14	17.84
CONNECTICUT	2,235	9,010	0.21	0.23	1/ 0.00	1/ 0.00
DELAWARE	433	10,603	0.27	0.28	10.95	16.60
DIST. OF COL.	385	8,779	0.09	0.09	23.71	35.11
FLORIDA	7,979	9,963	0.29	0.31	1/ 0.00	1/ 0.00
GEORGIA	3,605	13,518	0.30	0.34	11.27	16.78
HAWAII	561	10,781	0.26	0.28	15.17	21.52
IDAHO	663	11,851	0.32	0.38	10.72	16.60
ILLINOIS	6,965	9,452	0.21	0.24	15.03	22.44
INDIANA	3,345	11,720	0.25	0.29	12.55	18.32
IOWA	1,927	10,037	0.22	0.25	9.31	13.44
KANSAS	1,694	10,424	0.26	0.29	11.71	17.65
KENTUCKY	2,141	11,970	0.34	0.38	12.59	18.94
LOUISIANA	2,540	10,591	0.38	0.43	1/ 0.00	1/ 0.00
MAINE	757	10,104	0.20	0.22	12.80	18.56
MARYLAND	2,741	10,551	0.21	0.23	1/ 0.00	1/ 0.00
MASSACHUSETTS	3,641	10,070	0.17	0.18	9.48	12.83
MICHIGAN	6,390	9,577	0.20	0.22	13.68	20.35
MINNESOTA	2,397	12,172	0.21	0.24	10.25	14.96
MISSISSIPPI	1,734	9,888	0.36	0.42	1/ 0.00	1/ 0.00
MISSOURI	3,297	10,617	0.24	0.27	1/ 0.00	1/ 0.00
MONTANA	492	13,555	0.44	0.52	12.45	18.93
NEBRASKA	1,084	10,549	0.21	0.24	12.25	18.30
NEVADA	655	9,791	0.38	0.43	11.51	17.38
NEW HAMPSHIRE	677	10,297	0.23	0.26	1/ 0.00	1/ 0.00
NEW JERSEY	5,338	9,704	0.19	0.20	15.35	22.76
NEW MEXICO	943	12,566	0.52	0.61	15.76	24.66
NEW YORK	8,992	8,951	0.22	0.24	18.98	28.13
NORTH CAROLINA	3,903	11,043	0.30	0.33	13.60	21.49
NORTH DAKOTA	428	12,271	0.30	0.35	9.04	13.55
OHIO	7,669	9,356	0.19	0.21	13.65	21.48
OKLAHOMA	2,039	14,718	0.45	0.52	11.79	17.53
OREGON	1,894	10,234	0.24	0.27	11.25	18.28
PENNSYLVANIA	7,351	9,701	0.22	0.25	11.38	17.00
RHODE ISLAND	600	9,847	0.16	0.18	1/ 0.00	1/ 0.00
SOUTH CAROLINA	1,959	12,364	0.34	0.37	8.01	11.75
SOUTH DAKOTA	486	13,088	0.27	0.30	8.63	12.70
TENNESSEE	2,902	11,989	0.33	0.36	11.76	16.97
TEXAS	10,154	12,332	0.36	0.41	13.38	20.16
UTAH	914	11,953	0.29	0.32	12.61	19.36
VERMONT	355	11,248	0.26	0.30	1/ 0.00	1/ 0.00
VIRGINIA	3,625	11,429	0.22	0.24	11.14	16.36
WASHINGTON	2,774	11,268	0.24	0.27	14.06	18.69
WEST VIRGINIA	1,411	7,748	0.29	0.33	11.47	18.32
WISCONSIN	3,036	10,802	0.22	0.25	12.00	17.40
WYOMING	398	13,269	0.43	0.51	9.58	14.66
U.S. TOTAL	150,309	10,595	0.26	0.29	10.93	16.31

1/ RATE COULD NOT BE COMPUTED BECAUSE DATA WAS NOT REPORTED OR WAS NOT USABLE.

**TABLE 10. FATAL AND INJURY ACCIDENT DATA
RELATED TO VEHICLE REGISTRATIONS - 1982**

STATE	REGISTERED VEHICLES		RATES PER THOUSAND VEHICLES			
	NUMBER (THOUSANDS)	VEHICLE MILES PER VEHICLE	FATAL ACCIDENT RATE	FATALITY RATE	INJURY ACCIDENT RATE	INJURY RATE
ALABAMA	3,039	9,303	0.24	0.28	7.43	10.66
ALASKA	319	11,605	0.29	0.32	12.82	18.96
ARIZONA	2,216	8,903	0.29	0.33	13.07	20.66
ARKANSAS	1,481	11,229	0.32	0.37	10.81	16.88
CALIFORNIA	17,130	9,924	0.24	0.27	10.80	16.00
COLORADO	2,502	9,507	0.24	0.27	10.59	15.56
CONNECTICUT	2,258	8,919	0.21	0.23	1/ 0.00	1/ 0.00
DELAWARE	415	11,063	0.28	0.29	11.43	17.32
DIST. OF COL.	231	14,632	0.15	0.16	39.51	58.52
FLORIDA	8,335	9,538	0.27	0.30	1/ 0.00	1/ 0.00
GEORGIA	3,916	12,444	0.28	0.31	10.38	15.45
HAWAII	586	10,321	0.25	0.27	14.53	20.60
IDAHO	873	9,000	0.24	0.29	8.14	12.61
ILLINOIS	7,242	9,091	0.20	0.23	14.46	21.58
INDIANA	3,884	10,093	0.22	0.25	10.81	15.78
IOWA	2,346	8,244	0.18	0.20	7.64	11.04
KANSAS	2,061	8,568	0.21	0.24	9.63	14.51
KENTUCKY	2,615	9,800	0.28	0.31	10.31	15.50
LOUISIANA	2,800	9,508	0.34	0.39	1/ 0.00	1/ 0.00
MAINE	743	10,295	0.20	0.23	13.04	18.91
MARYLAND	2,893	9,997	0.20	0.22	1/ 0.00	1/ 0.00
MASSACHUSETTS	3,750	9,778	0.16	0.17	9.20	12.46
MICHIGAN	6,250	9,792	0.20	0.22	13.98	20.81
MINNESOTA	3,278	8,901	0.15	0.17	7.49	10.94
MISSISSIPPI	1,593	10,763	0.39	0.46	1/ 0.00	1/ 0.00
MISSOURI	3,412	10,259	0.23	0.26	1/ 0.00	1/ 0.00
MONTANA	758	8,798	0.28	0.34	8.08	12.29
NEBRASKA	1,215	9,412	0.19	0.21	10.93	16.33
NEVADA	710	9,032	0.35	0.39	10.62	16.04
NEW HAMPSHIRE	774	9,006	0.20	0.22	1/ 0.00	1/ 0.00
NEW JERSEY	4,917	10,535	0.20	0.22	16.66	24.71
NEW MEXICO	1,193	9,933	0.41	0.48	12.46	19.49
NEW YORK	8,235	9,773	0.24	0.26	20.73	30.72
NORTH CAROLINA	4,583	9,404	0.26	0.28	11.58	18.30
NORTH DAKOTA	653	8,043	0.20	0.23	5.92	8.88
OHIO	7,636	9,396	0.19	0.21	13.71	21.57
OKLAHOMA	2,780	10,795	0.33	0.38	8.65	12.86
OREGON	2,075	9,342	0.22	0.25	10.26	16.68
PENNSYLVANIA	6,725	10,604	0.24	0.27	12.44	18.58
RHODE ISLAND	586	10,082	0.17	0.18	1/ 0.00	1/ 0.00
SOUTH CAROLINA	1,975	12,264	0.34	0.37	7.94	11.66
SOUTH DAKOTA	615	10,343	0.21	0.24	6.82	10.04
TENNESSEE	3,381	10,291	0.28	0.31	10.10	14.57
TEXAS	11,388	10,996	0.32	0.37	11.93	17.97
UTAH	1,038	10,525	0.25	0.29	11.10	17.04
VERMONT	351	11,376	0.26	0.30	1/ 0.00	1/ 0.00
VIRGINIA	3,705	11,182	0.21	0.24	10.90	16.00
WASHINGTON	3,237	9,656	0.21	0.23	12.05	16.01
WEST VIRGINIA	1,142	9,573	0.36	0.41	14.17	22.64
WISCONSIN	3,162	10,371	0.21	0.24	11.52	16.71
WYOMING	508	10,396	0.34	0.40	7.50	11.49
U.S. TOTAL	159,509	9,984	0.24	0.27	10.30	15.37

1/ RATE COULD NOT BE COMPUTED BECAUSE DATA WAS NOT REPORTED OR WAS NOT USABLE.

SECTION IV—PUERTO RICO AND U.S. TERRITORIES

Travel and accident data reported by Puerto Rico for calendar year 1982 contain unresolved errors. Data were not reported for 1982 by U.S. territories.

SECTION V--RELATIONSHIP OF FATALITY RATES TO TRAVEL DENSITY

The vehicle-mile fatality rate is the measure most commonly used for comparing the safety of different highway systems or the safety of highways in different States. A State often judges its own performance by comparing its fatality rates with the national fatality rate. The primary reason for differences in fatality rates appears to be variation in travel density over which the States have little control. Because the travel density varies widely among the States it should not be expected that all States will have similar fatality rates. While there are without question many reasons other than variation in travel density for differences among the fatality rates of the States, it is difficult to quantify these reasons well enough to develop reliable definitions of relationships between fatality rates and specific features.

The general characteristics of the relationship between fatality rates and travel density were described in Section I. Curves illustrating provisional rate-density relationships have been derived from reported data for the 4-year period from 1978 through 1981. The relationships must be regarded as provisional because they are based on data which are incomplete and known to contain errors. Despite their flaws, the curves provide a more suitable base than the national fatality rate for evaluating State rates. A curve describing the provisional rate-density relationship for all highways in the States is shown in Figure 7-A1.

In comparing State fatality rates a second consideration should be taken into account. Even if the risk (probability) of traffic fatalities were dependent only on travel density, rates would vary at random from those on the rate-density curve. (Accidents and related rates are "random" in a statistical sense--while any attempt to drive a vehicle a given distance may or may not result in an accident, there is nonetheless a degree of statistical regularity which permits reasonably reliable estimation of the number of accidents expected from a large number of attempts. To speak of accidents as random events is not to say that accidents are unrelated to driving hazards or driver skill.) The random variation of fatality rates is larger when the volume of traffic is small. For example, a random variation of 10 percent would be much more likely to occur in the Delaware fatality rate than in fatality rates for California or New York.

The random variation of fatality rates is somewhat analogous to the random variation observed when flipping a coin repeatedly. If the probability of "heads" is 1 in 2, the ratio of the number of heads to the number of flips approaches $1/2$ as the number of flips increases. Similarly, if the probability that a fatality will result from an attempt to drive one vehicle-mile is 3 in 100 million, the ratio of fatalities to vehicle-miles will approach $3/(100 \text{ million})$ as the number of vehicle-miles increases. While the numbers of vehicle-miles or flips of a coin is increasing, ratios vary at random. The amount of variation can be computed by applying the binomial probability law for the appropriate number of vehicle-miles or flips. Approximations of the binomial law are commonly used to simplify computation.

The application of the binomial probability law to accident rates gives results that approximate observed experience. This procedure is widely

The application of the binomial probability law to accident rates gives results that approximate observed experience. This procedure is widely used by the States to identify hazardous sections of highway. It does not give precise results primarily because the probability of a fatality (or other event of interest) is not the same for every attempt that is made to drive a vehicle-mile without an accident.

The rate-density curve in Figure 7A-1 is an exponential curve fitted to the data points by a weighted least squares procedure. Each point is defined by a State fatality rate and travel density for the 4-year period. The point is weighted in proportion to the vehicle-miles of travel in the State during those 4 years.

Because the volumes of travel are different for every State, the magnitudes of random variation are also different. To illustrate the effect of these differences, provisional ranges have been computed and are shown in Figure 7-A2. For each State, the observed 1982 fatality rate is shown along with a provisional range centered upon a value taken from the rate density curve in Figure 7-A1. If variations from rates on the rate-density curve in Figure 7-A1 followed a binomial distribution, the probability would be 99 out of 100 that each observed rate would fall within the provisional range shown in Figure 7-A2. Conversely, the chances would be only 1 in 100 that an observed rate would fall outside the provisional range if the risk were the same in 1982 as in the preceding 4 years and variation from the rate-density curve were random. If a rate falls above or below the range shown, it is likely that it is unusually high or low for some reason other than random variation. It is evident from Figure 7-A2 that most State fatality rates varied significantly from the provisional rate-density curve. While the 1982 fatality rates were about the same for New York and Hawaii, New York's rate was substantially lower than State rates observed for a similar travel density in the preceding 4-year period. Hawaii's rate, on the other hand, is well within the provisional range, where deviation from the rate-density curve is less significant. Analysis of the possible reasons for the low rate in New York and the rates outside provisional ranges in many other States is beyond the scope of this report.

In Figure 7-A2, States are arranged in order of travel density to facilitate comparison of States with similar travel densities; the State with the most vehicle miles per mile of highway (i.e., the highest average daily traffic) is at the top.

In Figures 7-B1, 7-B2a, and 7-B2b, rural and urban fatality rates for each State are shown separately but in the same manner as the information in Figures 7-A1 and 7-A2.

Other provisional rate-density relationships, as well as provisional rate changes and observed fatality rates for the highway systems in each State, are shown in Figures 7-C1 through 7-F2b.

It can be seen in Figure 7 that, for every system, fatality rates observed in 1982 were rarely above the provisional range based on 1978 through 1981 experience.

Fig. 7-A1. PROVISIONAL RATE-DENSITY RELATIONSHIP (1978-81)
ALL HIGHWAYS

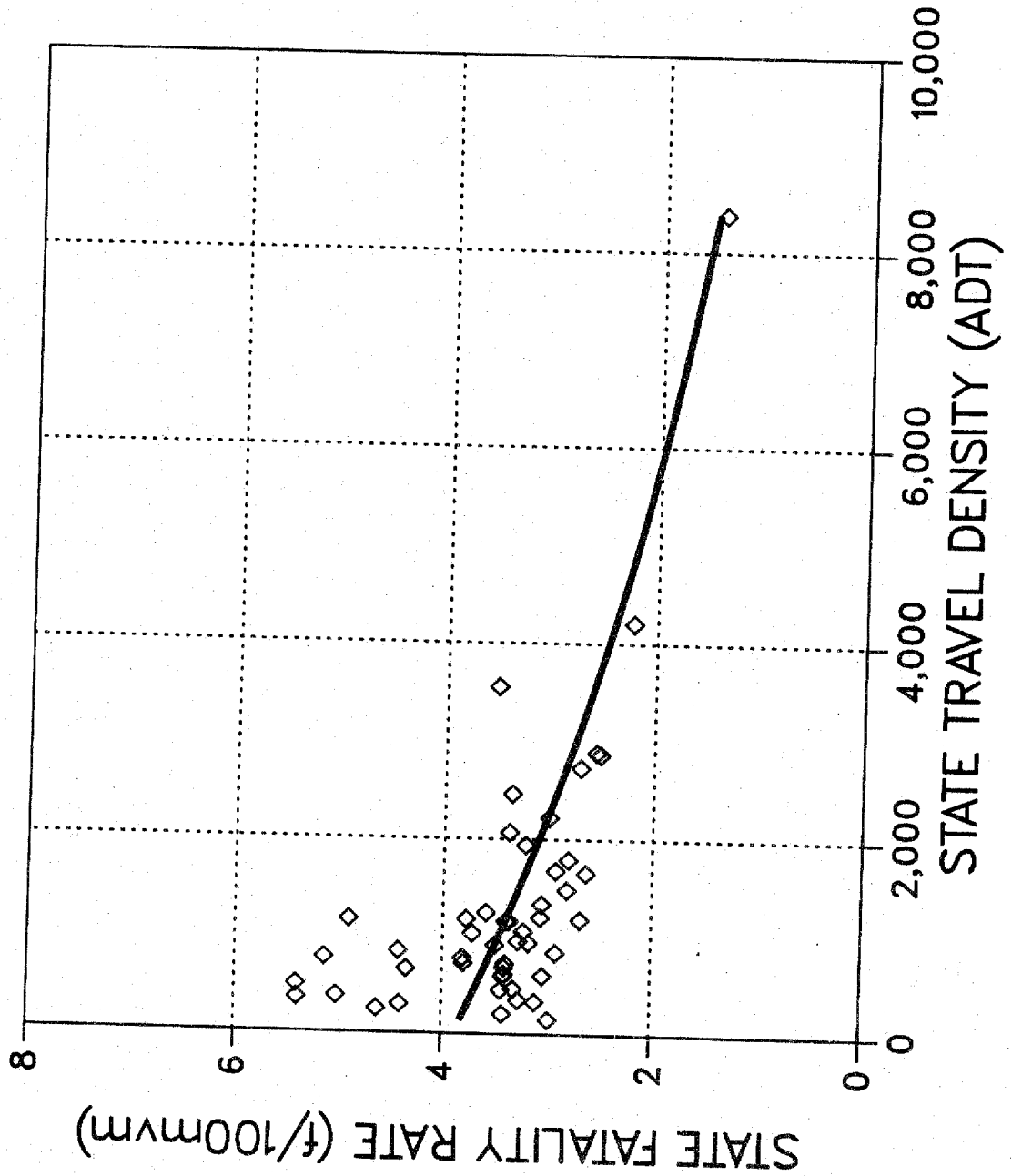


Figure 7-A2 FATALITY RATE BY STATE-ALL HIGHWAYS (1982)

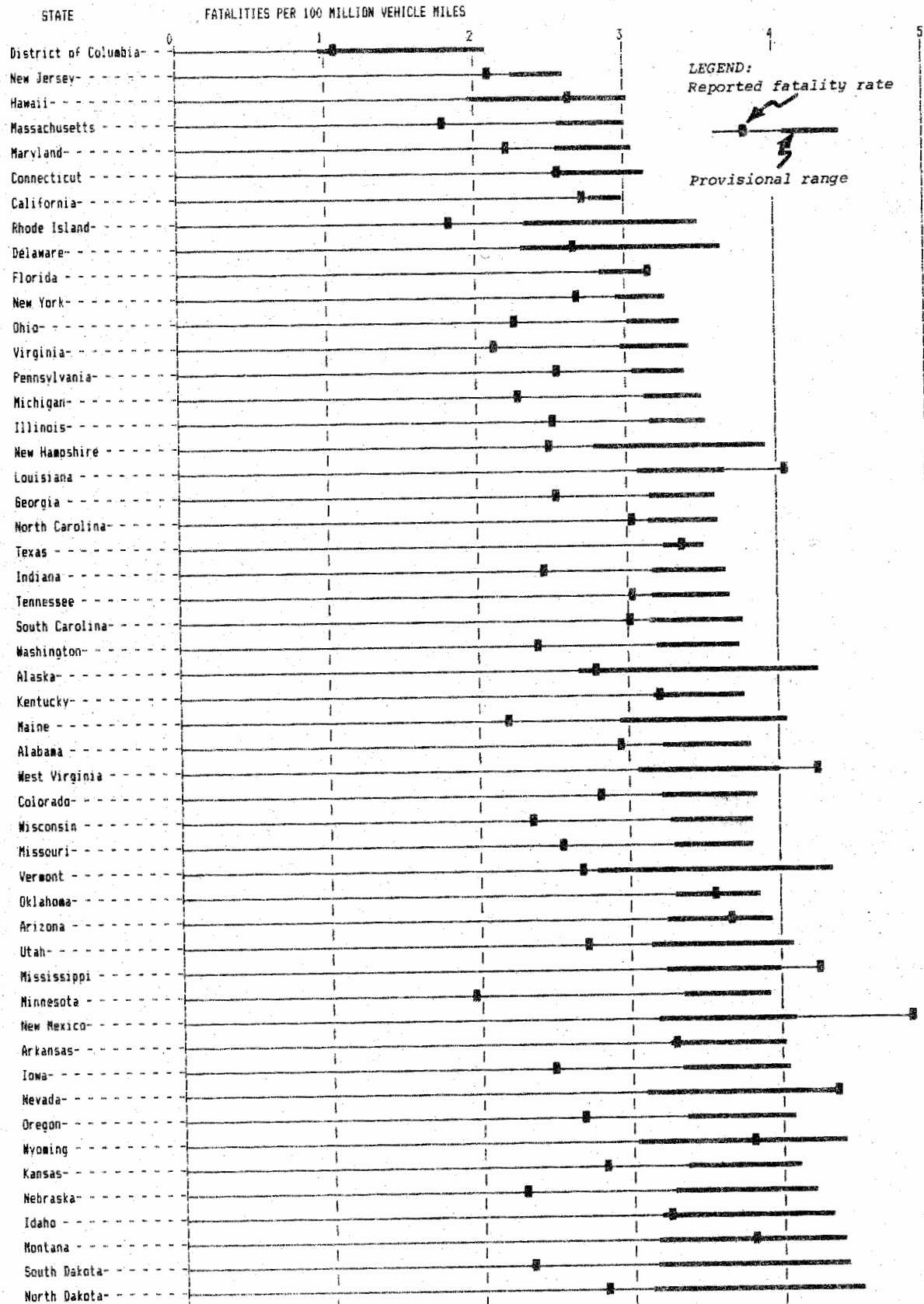


Fig. 7-B1. PROVISIONAL RATE-DENSITY RELATIONSHIP (1978-81)
 RURAL AND URBAN HIGHWAYS

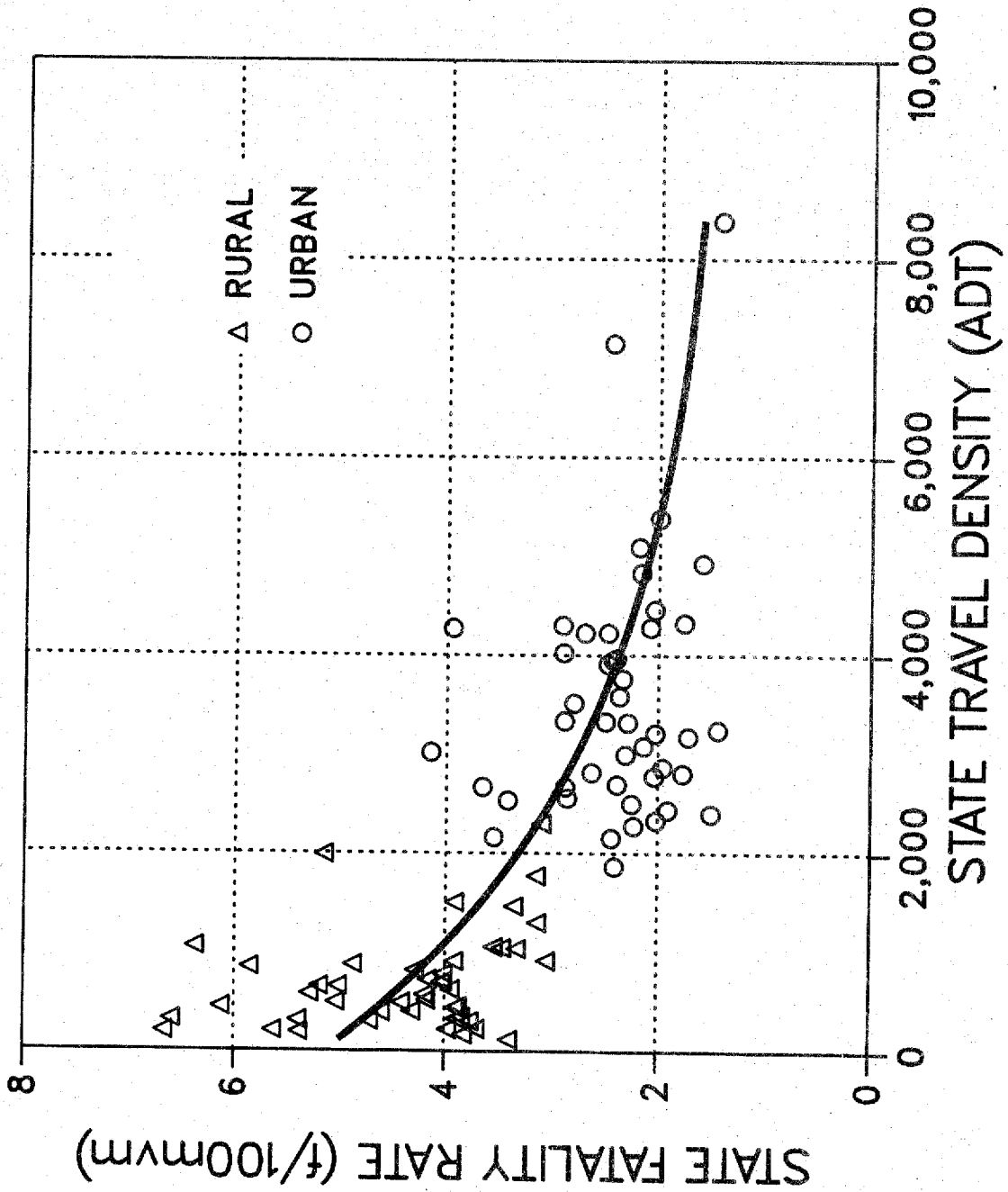


Figure 7-B2a FATALITY RATE BY STATE--ALL RURAL HIGHWAYS (1982)

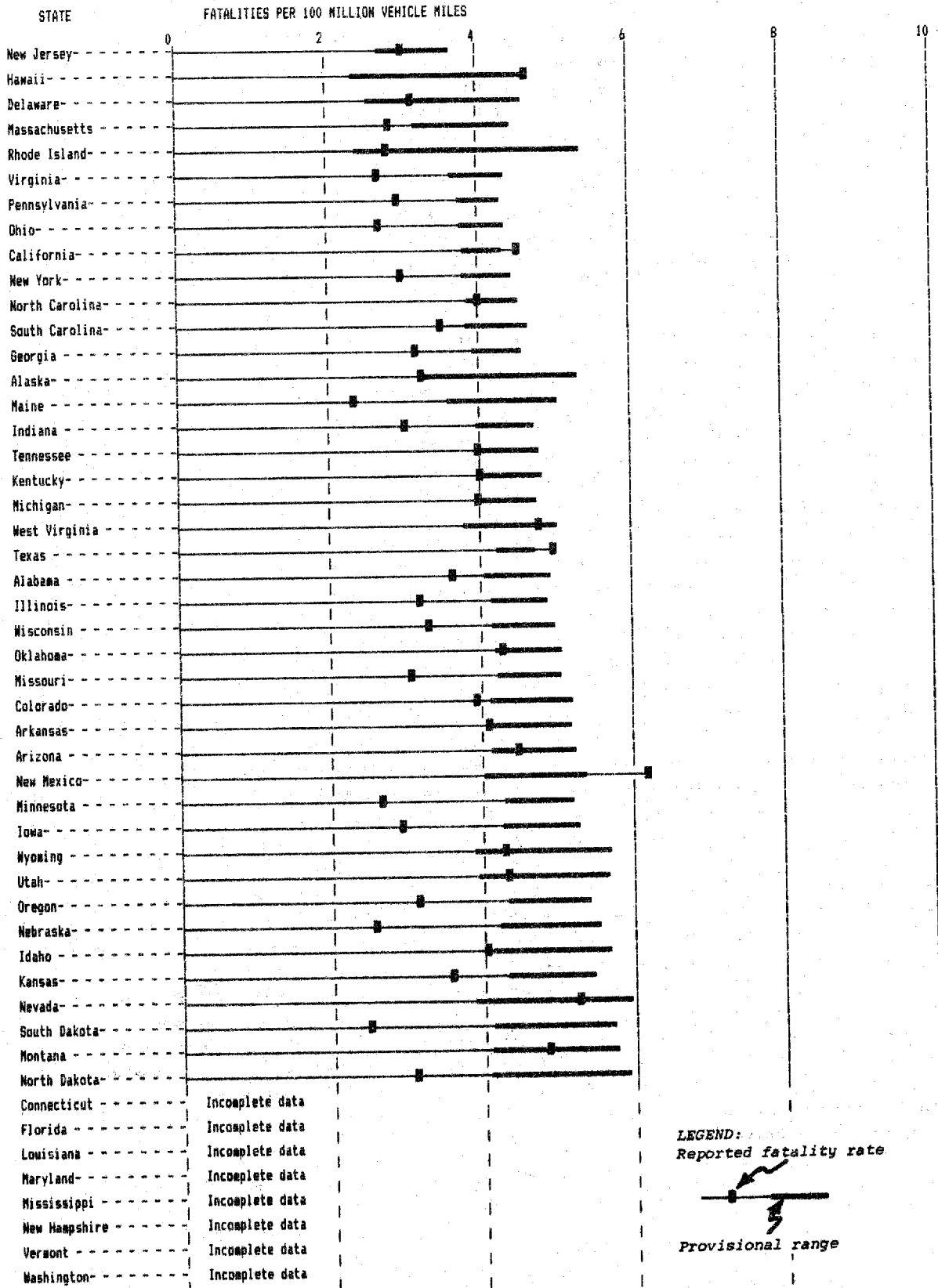


Figure 7-B2b FATALITY RATE BY STATE--ALL URBAN HIGHWAYS (1982)

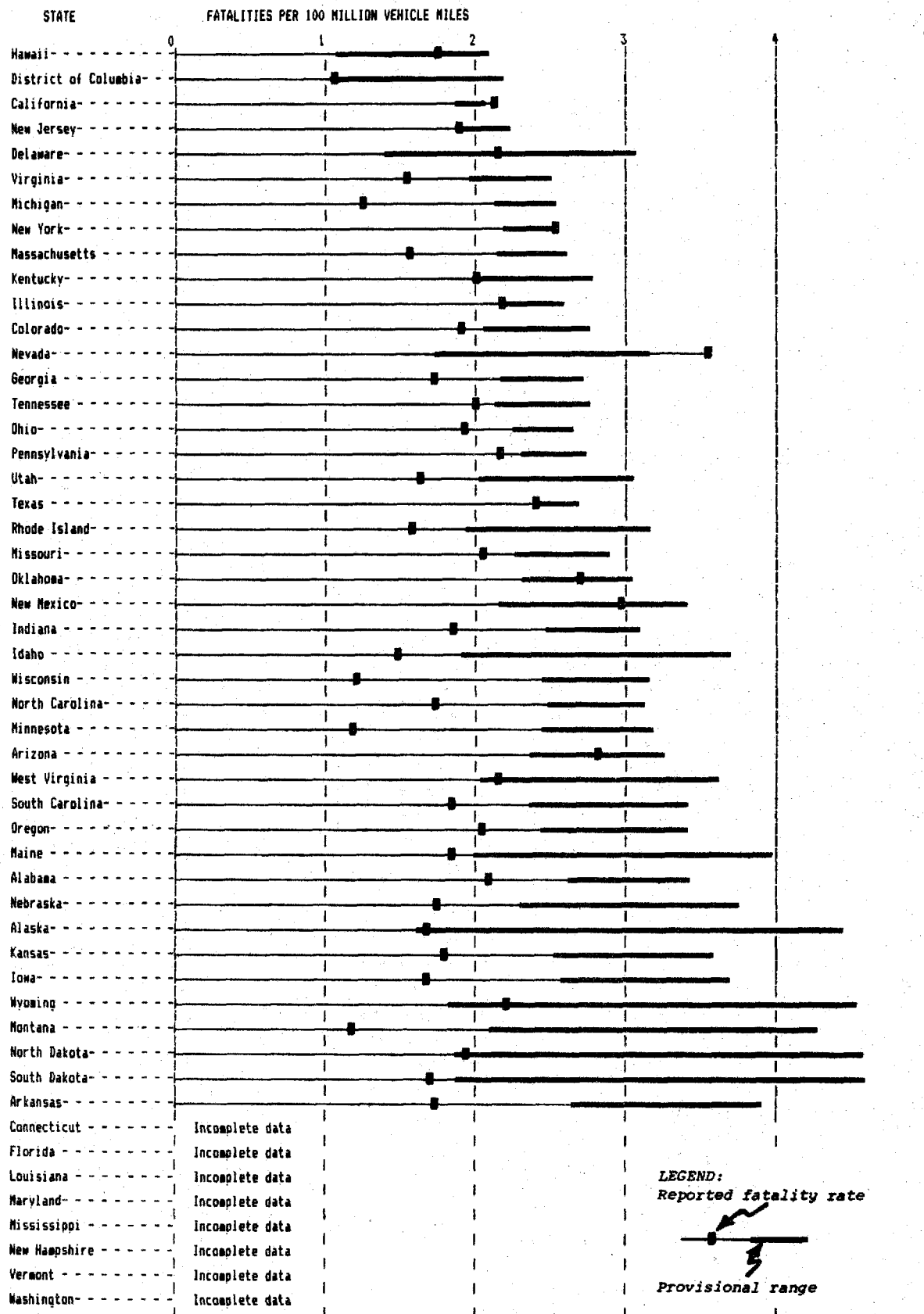


Fig. 7-C1. PROVISIONAL RATE-DENSITY RELATIONSHIP (1978-81)
INTERSTATE SYSTEM

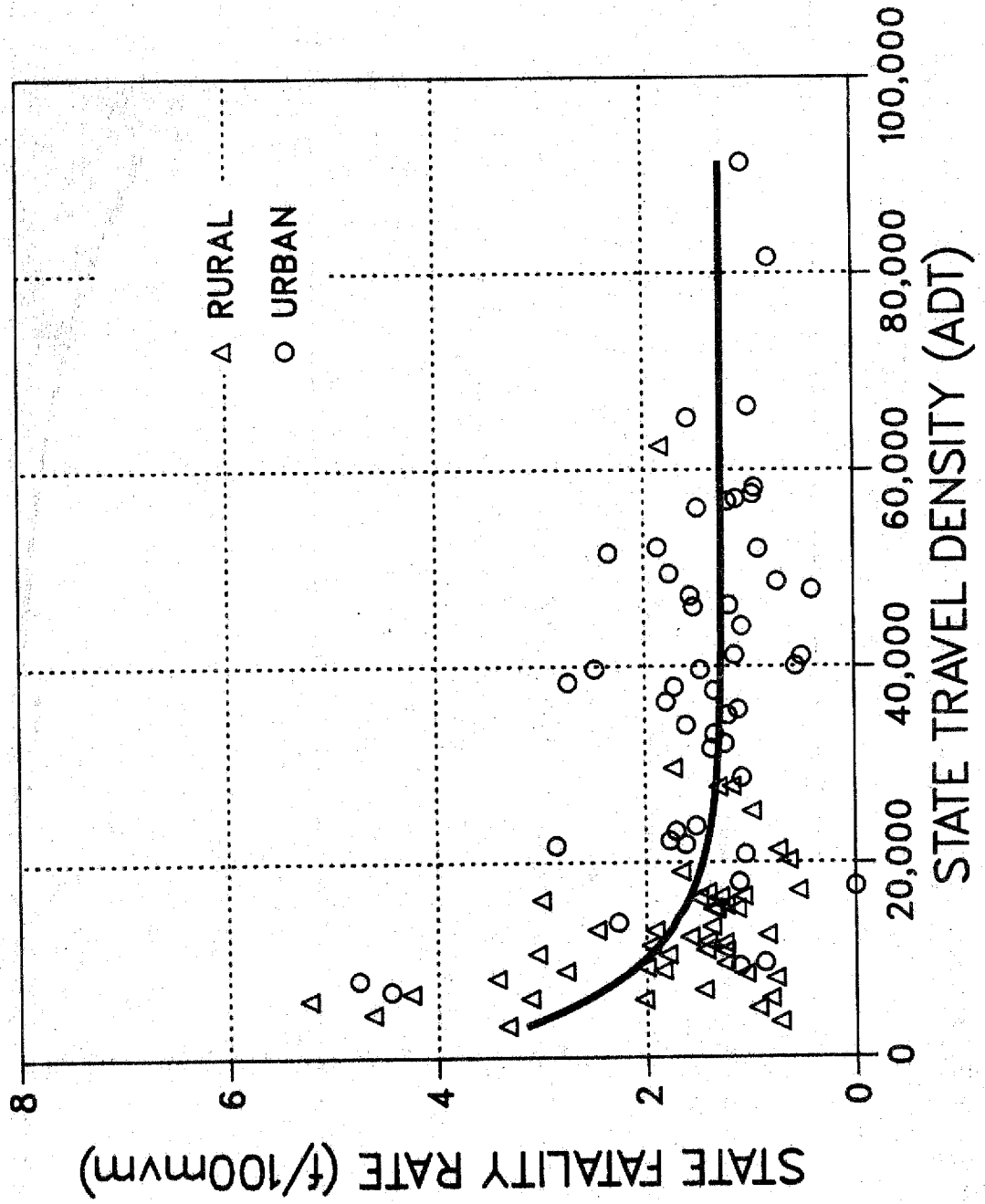


Figure 7-C2a FATALITY RATE BY STATE—RURAL INTERSTATE HIGHWAYS (1982)

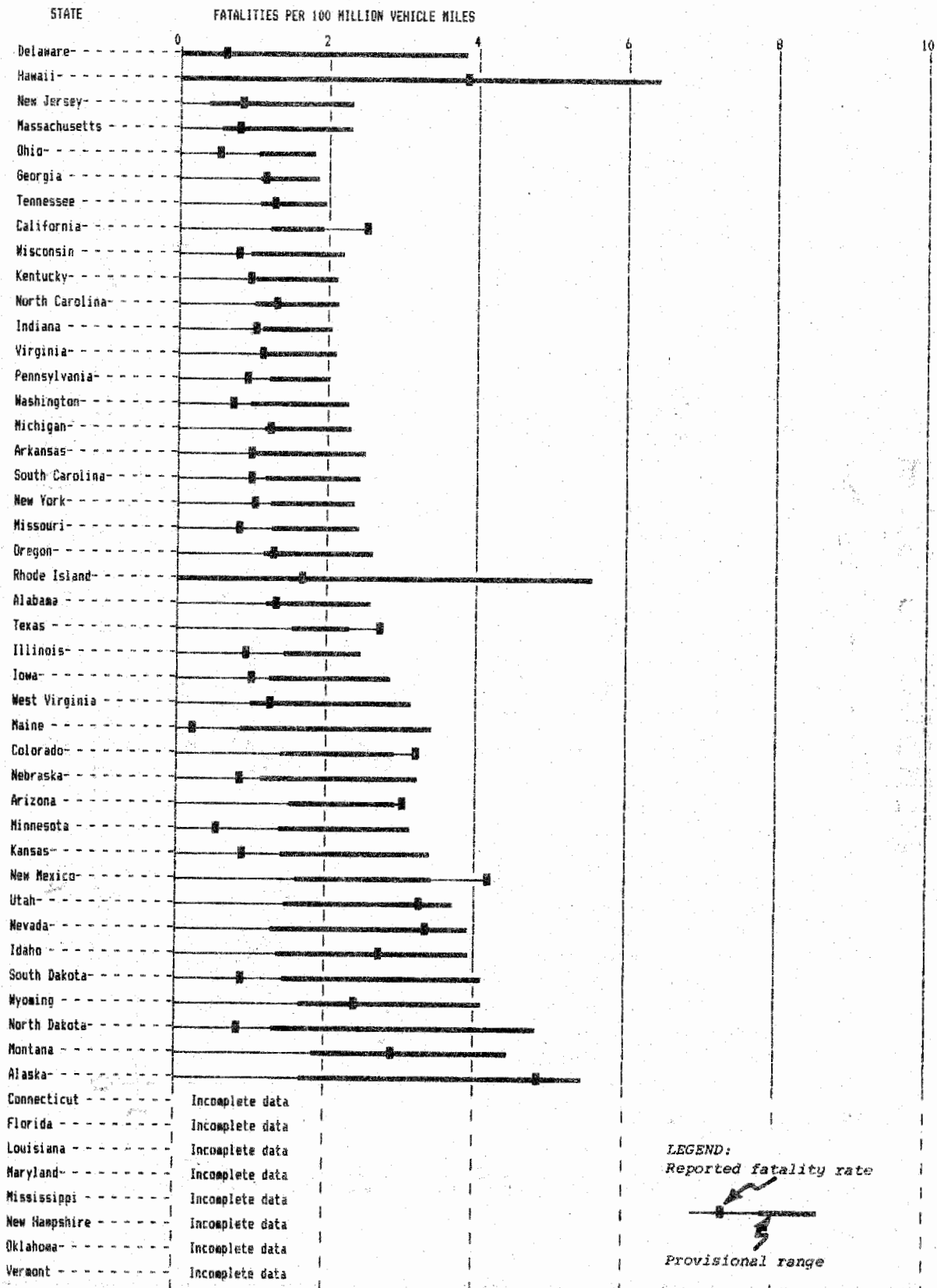


Figure 7-C2b FATALITY RATE BY STATE--URBAN INTERSTATE HIGHWAYS (1982)

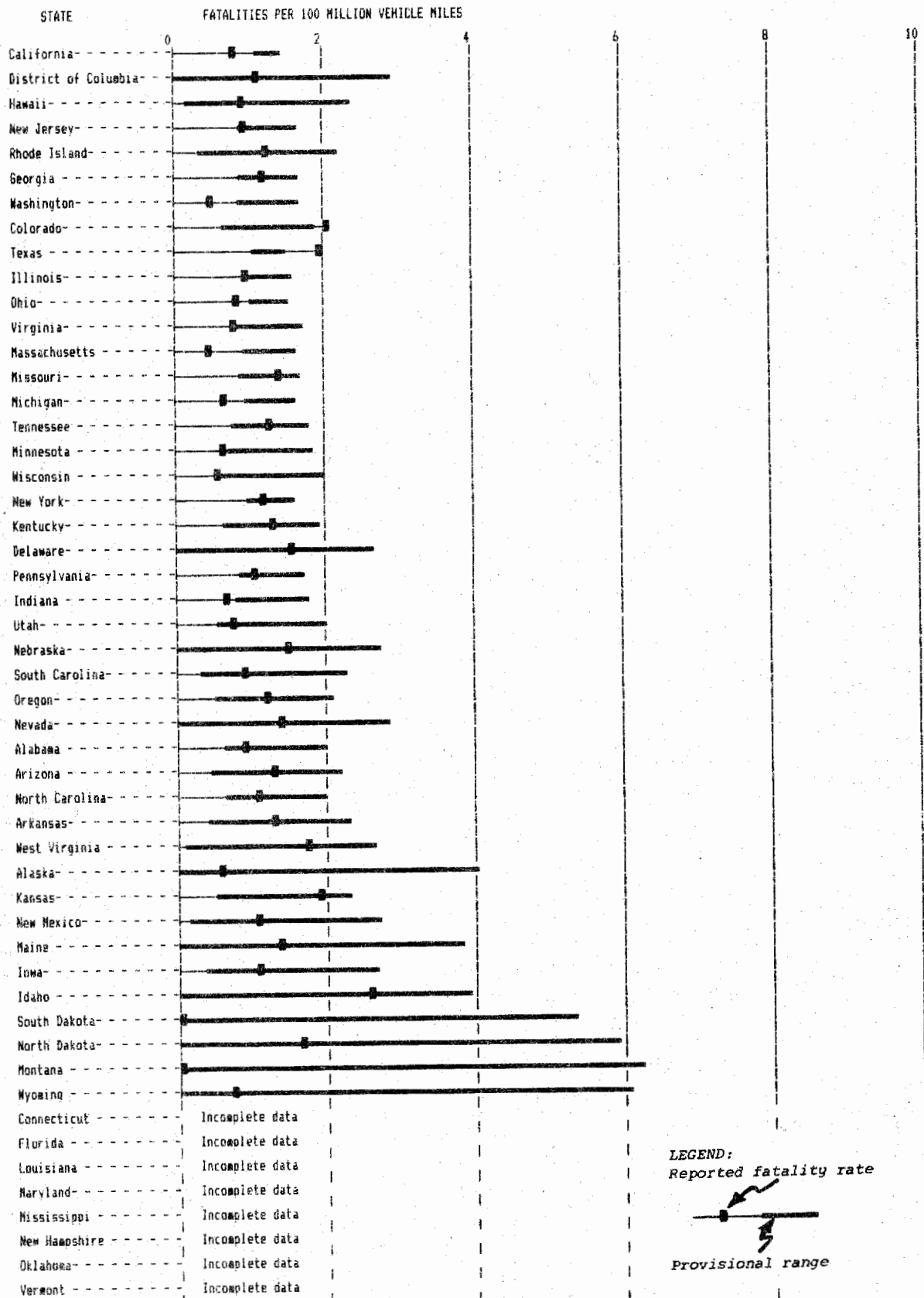
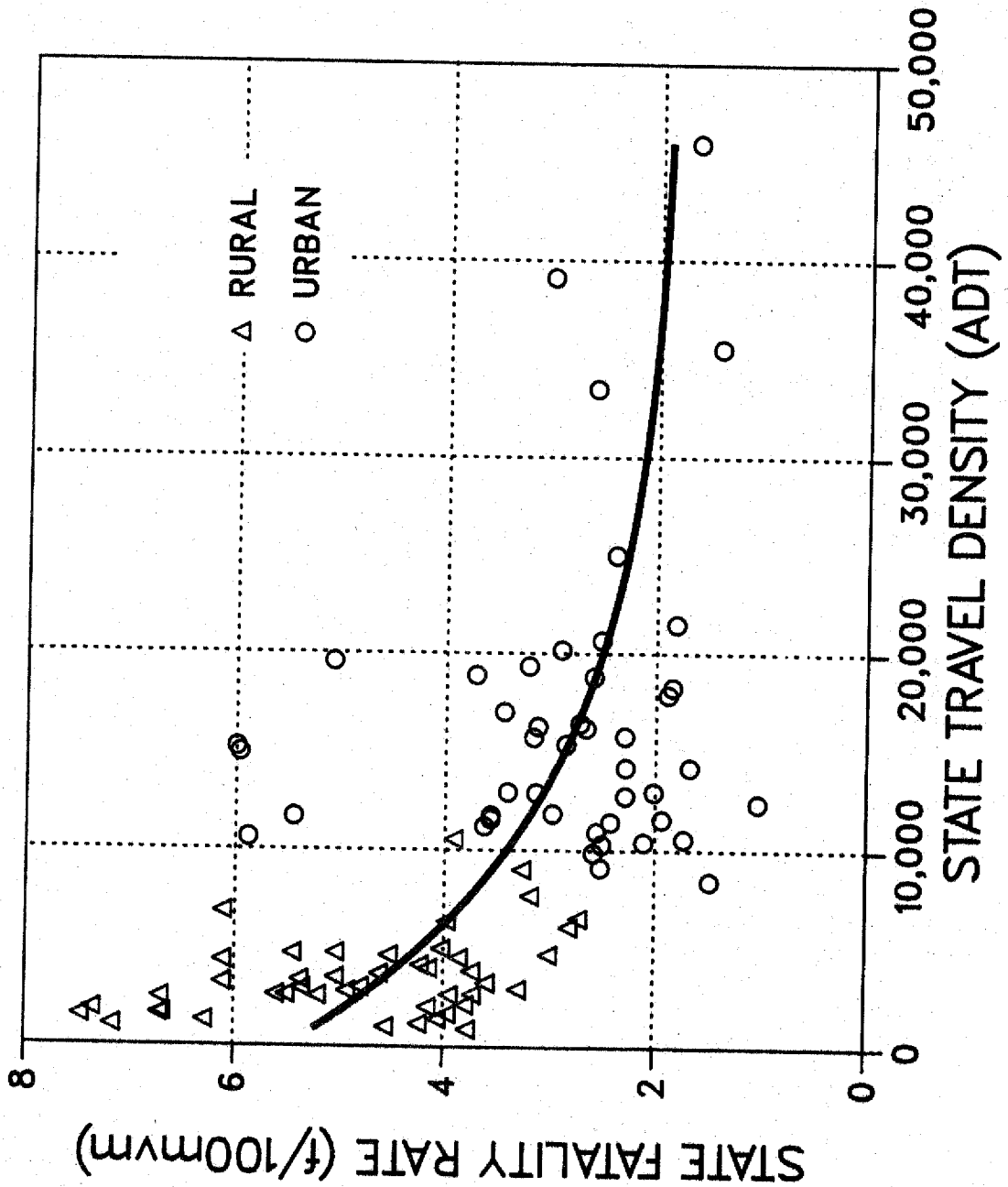
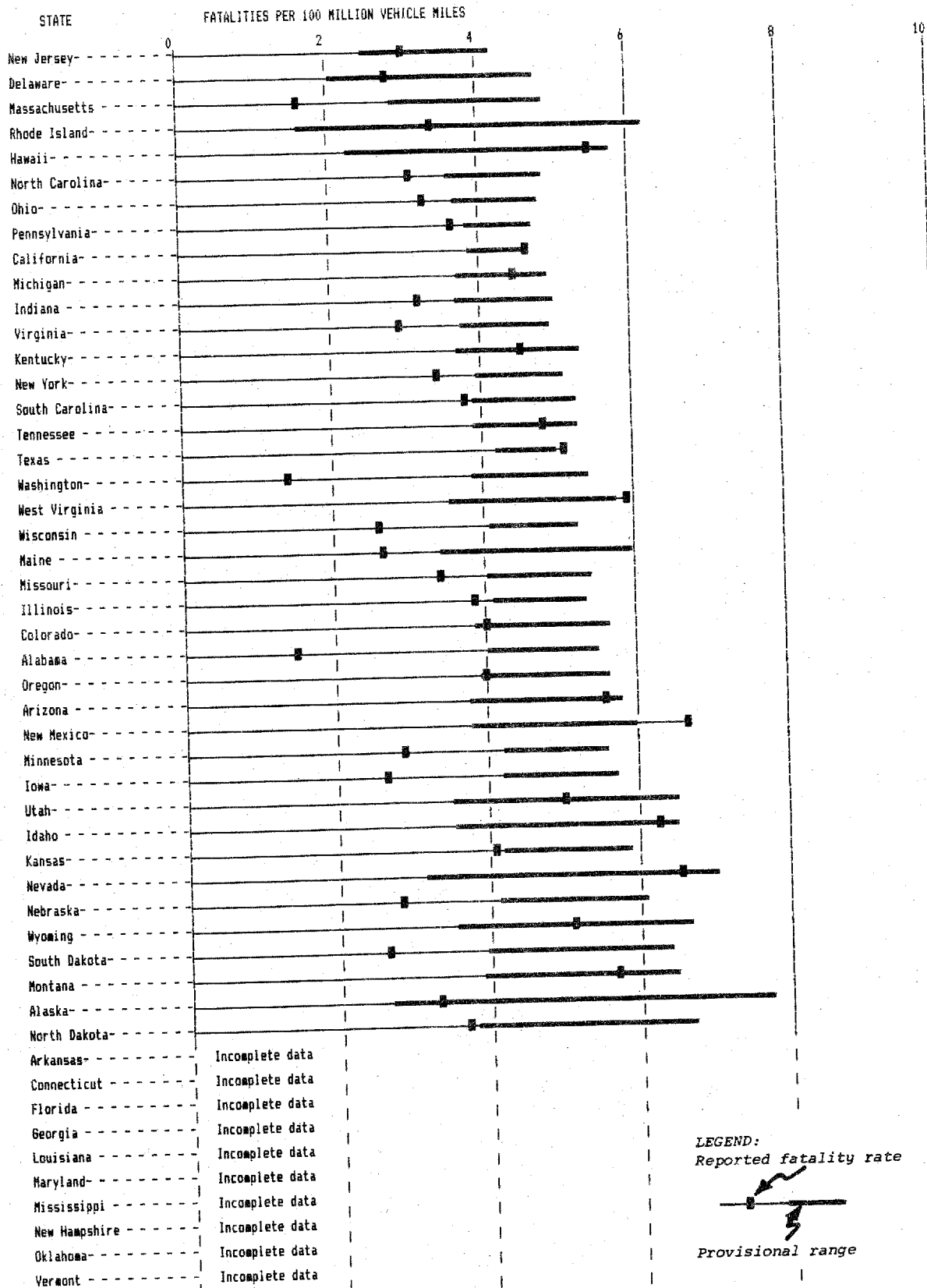


Fig. 7-D1. PROVISIONAL RATE-DENSITY RELATIONSHIP (1978-81)
 OTHER FEDERAL-AID PRIMARY HIGHWAYS



**Figure 7-D2a FATALITY RATES BY STATES--OTHER RURAL
FEDERAL-AID PRIMARY HIGHWAYS (1982)**



**Figure 7-D2b FATALITY RATES BY STATE—OTHER URBAN
FEDERAL-AID PRIMARY HIGHWAYS (1982)**

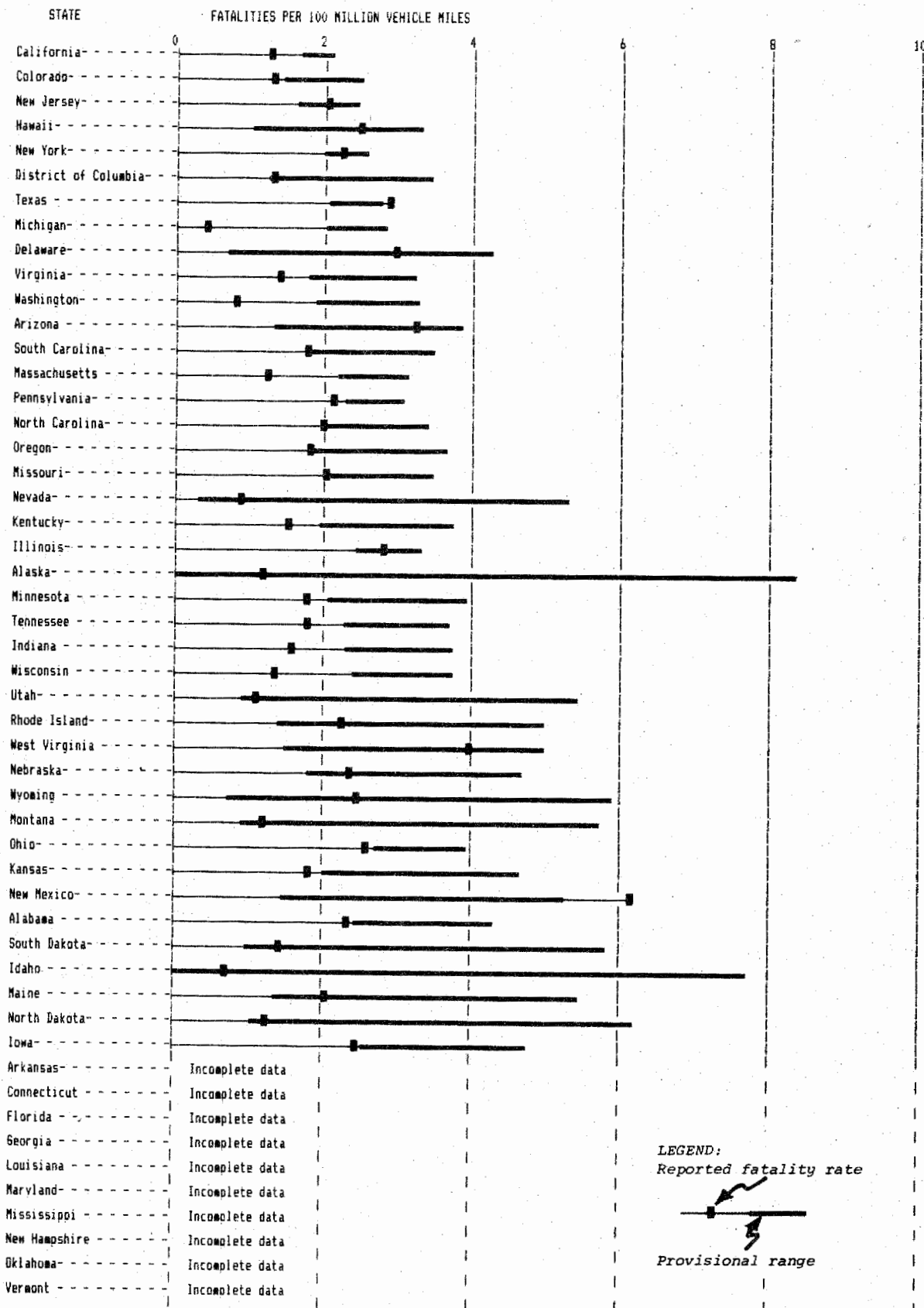


Fig. 7-E1. PROVISIONAL RATE-DENSITY RELATIONSHIP (1978-81)
FEDERAL-AID SECONDARY AND URBAN SYSTEMS

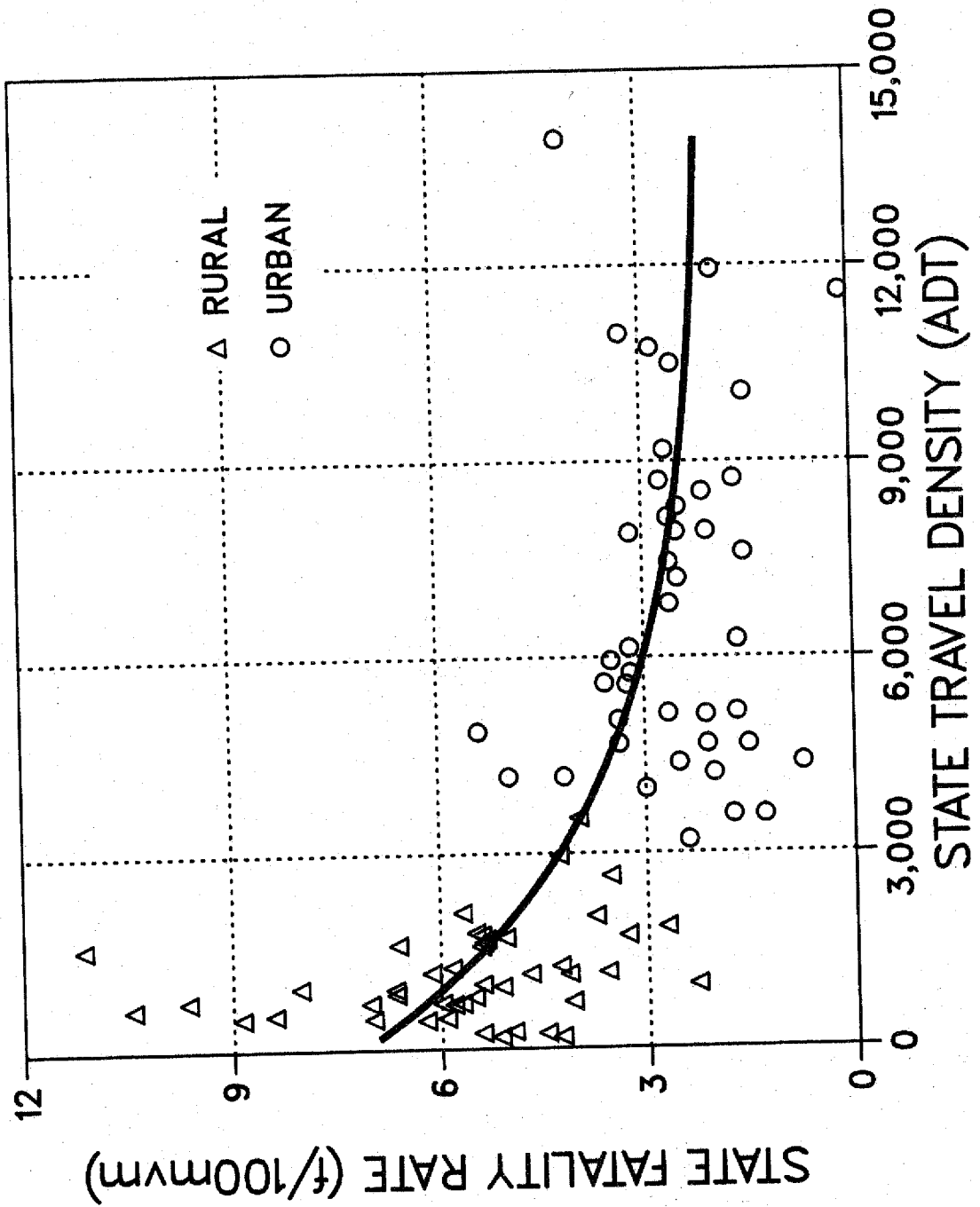


Figure 7-E2a FATALITY RATE BY STATE—FEDERAL-AID SECONDARY HIGHWAYS (1982)

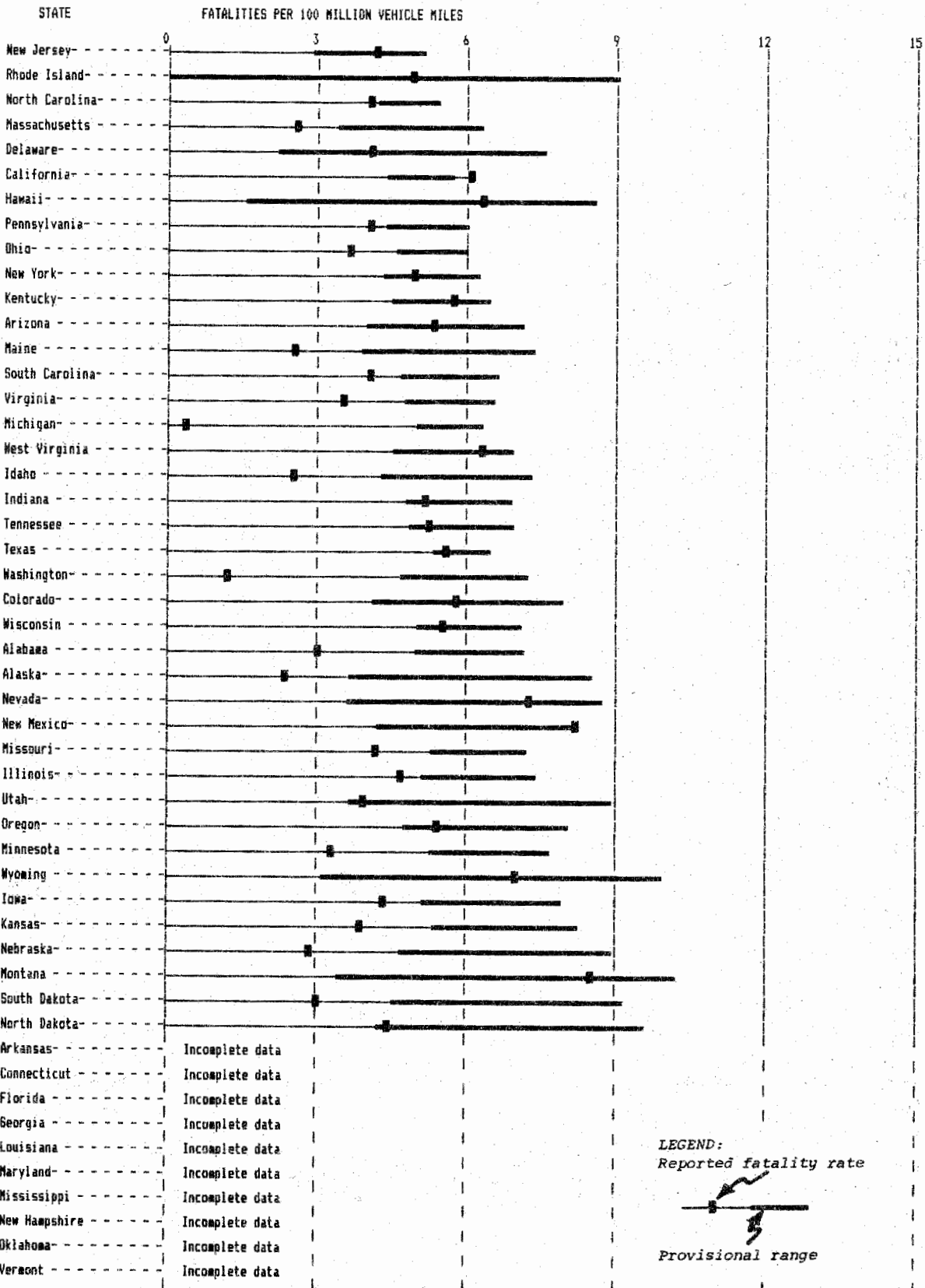


Figure 7-E2b FATALITY RATE BY STATE—FEDERAL-AID URBAN SYSTEM HIGHWAYS (1982)

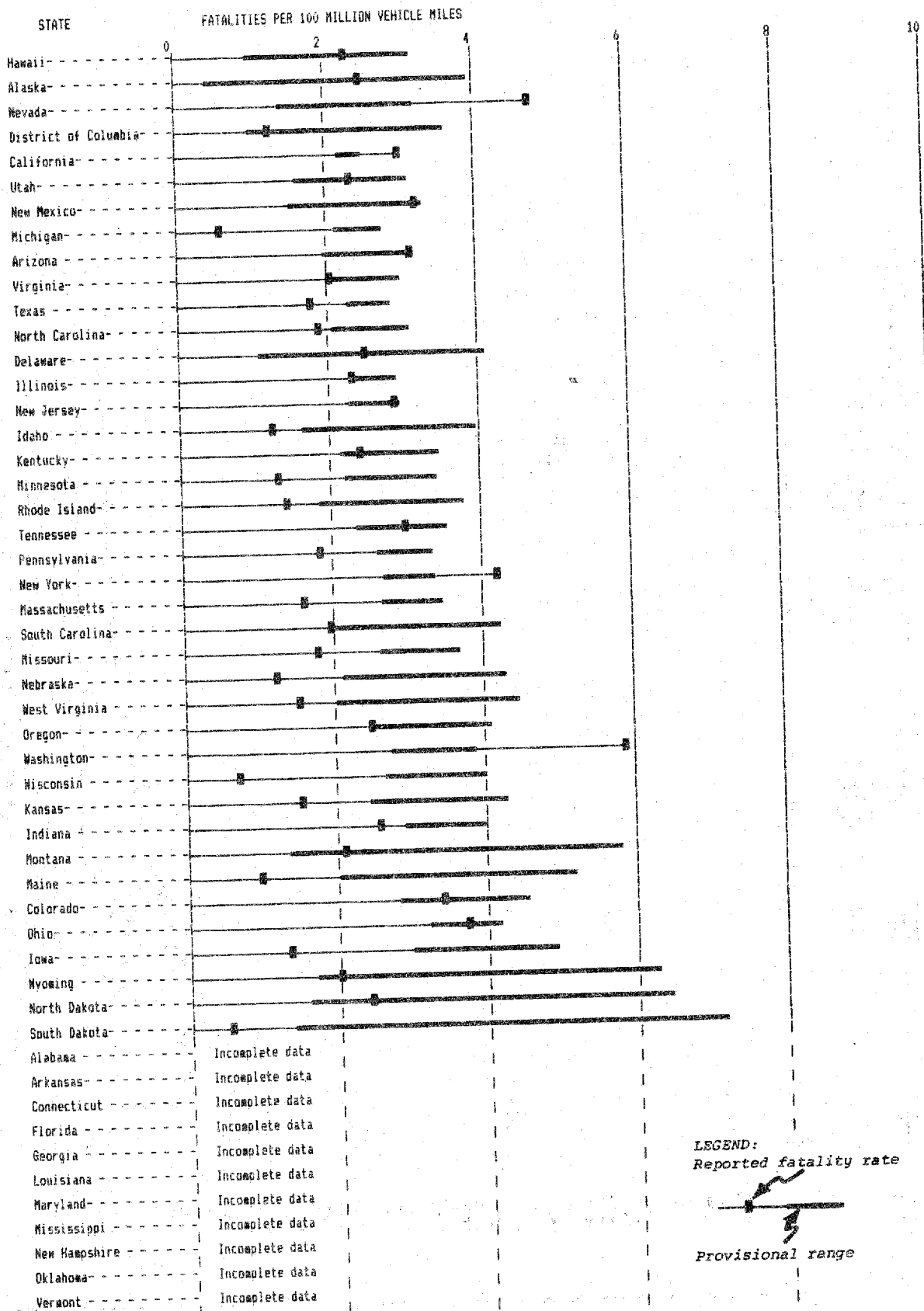


Fig. 7-F1. PROVISIONAL RATE-DENSITY RELATIONSHIP (1978-81)
 NON-FEDERAL-AID HIGHWAYS

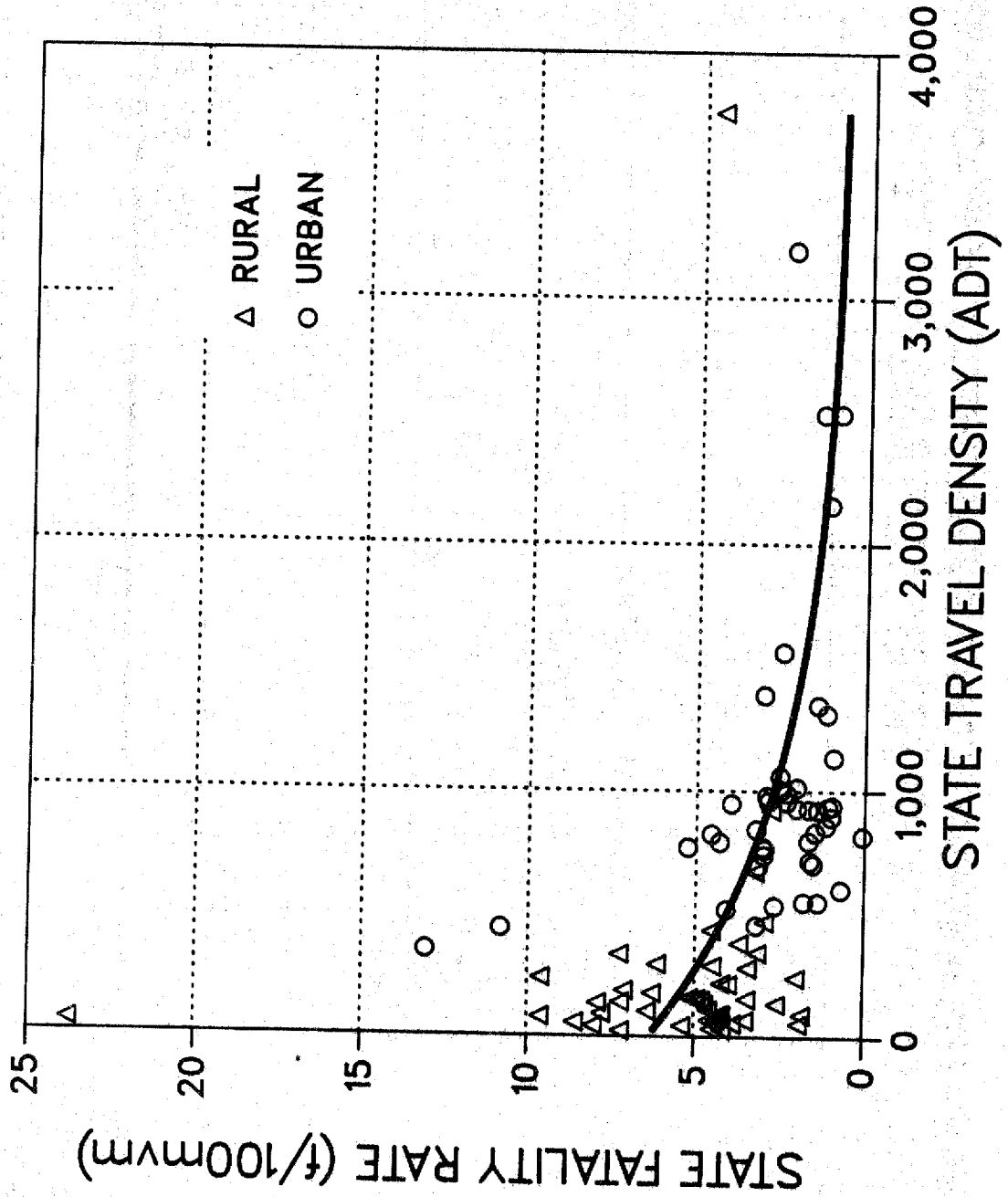


Figure 7-F2a FATALITY RATE BY STATE--RURAL NON-FEDERAL-AID HIGHWAYS (1982)

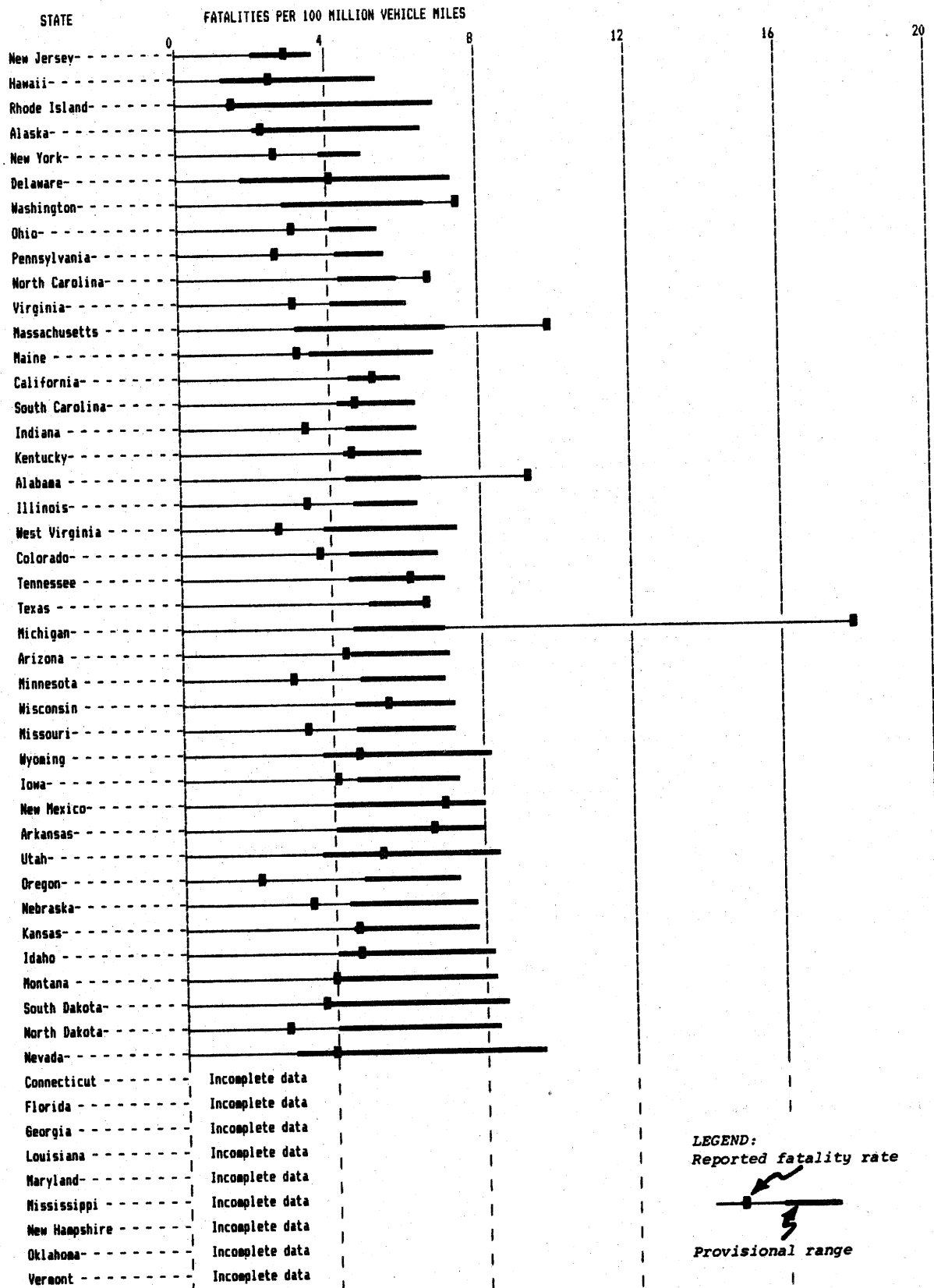
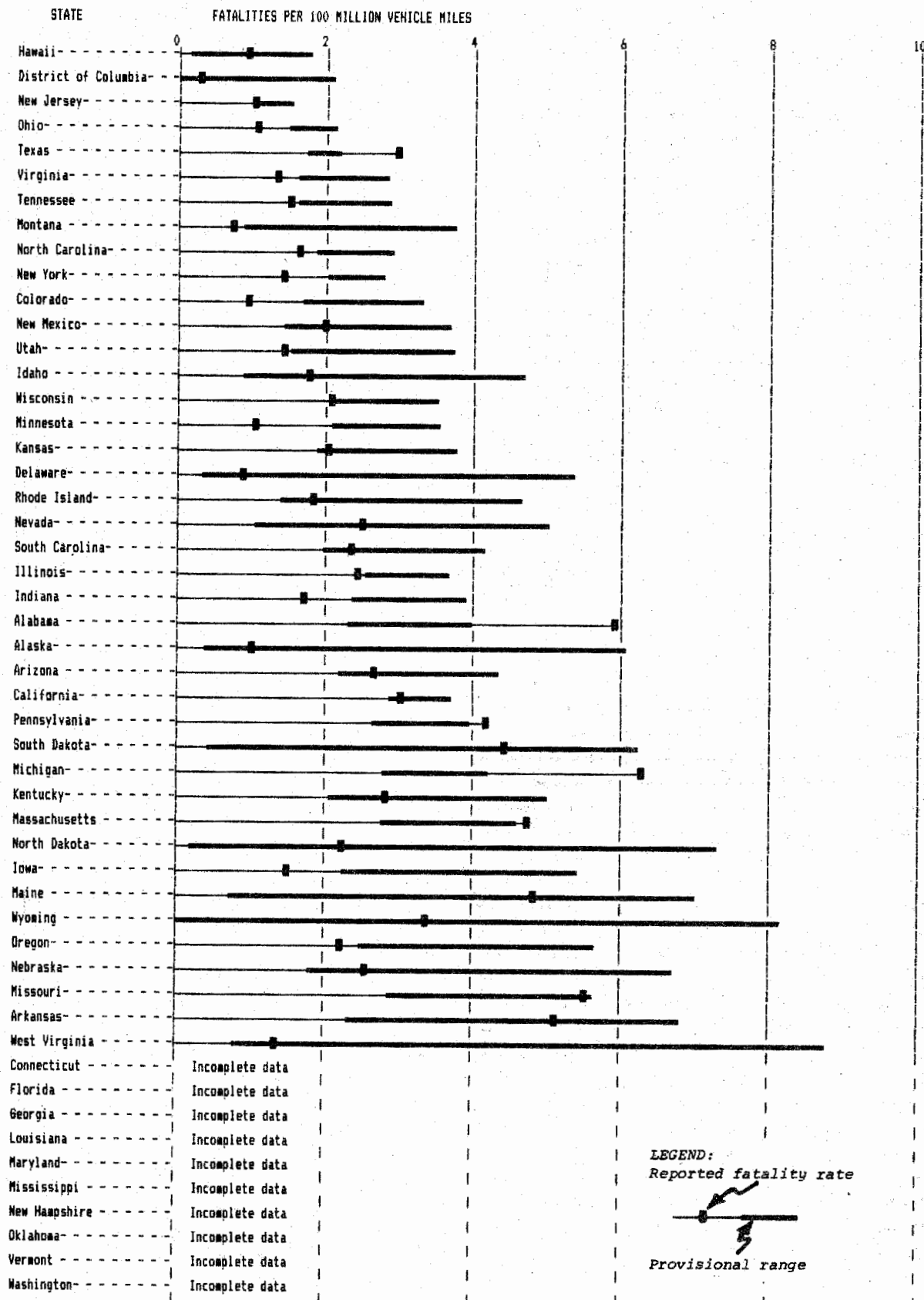


Figure 7-F2b FATALITY RATE BY STATE—URBAN NON-FEDERAL-AID HIGHWAYS (1982)



SECTION VI--STATE FATALITY RATE TRENDS

It is sometimes more useful to know the trend within a State than to know how that State compares with others. Figure 8 illustrates changes in State rates over the 5-year period from 1978 through 1982. The format of the graphs is similar to that in Figure 7-A2. The provisional range for each of the 5 years is based on the provisional rate-density curve shown in Figure 7-A1.

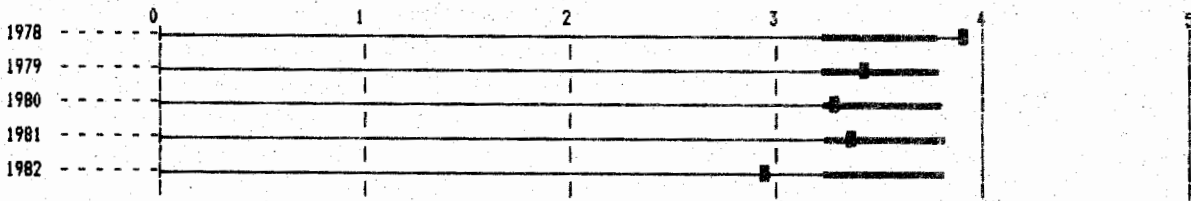
Figure 8 is designed to show, within each State, the pattern of observed rates over the 5-year period and the relationship of observed rates to provisional ranges. Because of differences in the magnitude of their rates, not all States are shown at the same scale. It is not intended that Figure 8 be used to compare the magnitude of fatality rates in different States.

While some States like Illinois and Minnesota show steadily decreasing fatality rates throughout the 5-year period, Kentucky reports almost no change. In the majority of States, the rate reported for 1982 is substantially lower than the rates for preceding years. In only a few States is the 1982 fatality rate above the provisional range.

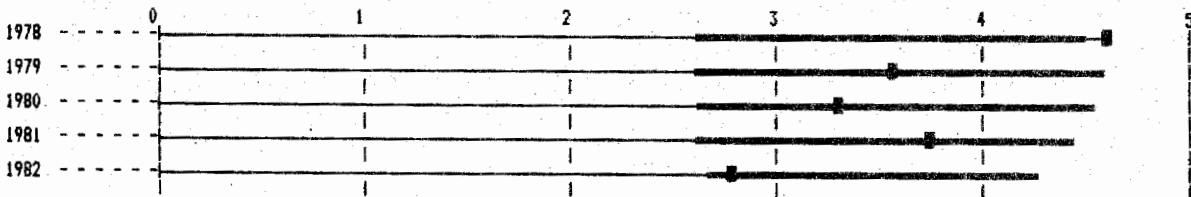
Figure 8 STATE FATALITY RATES (1978-1982)

(Fatalities per 100 million vehicle-miles)

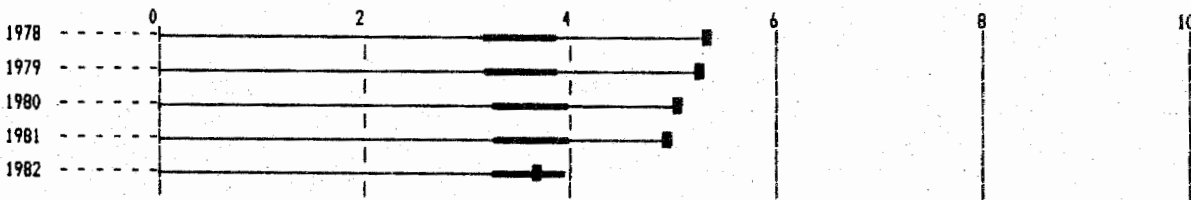
ALABAMA



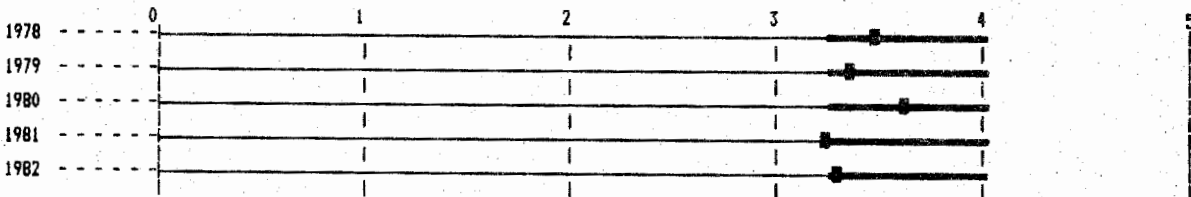
ALASKA



ARIZONA



ARKANSAS



CALIFORNIA

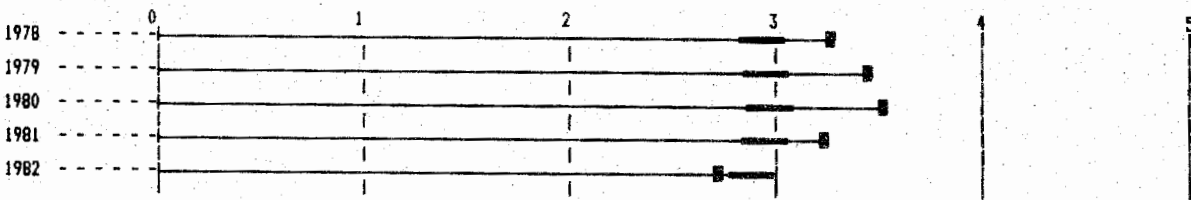
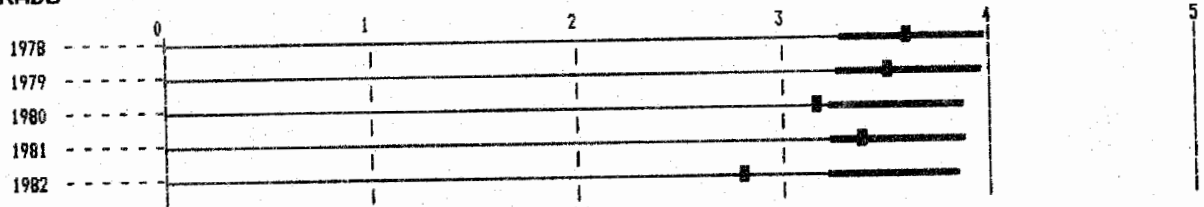
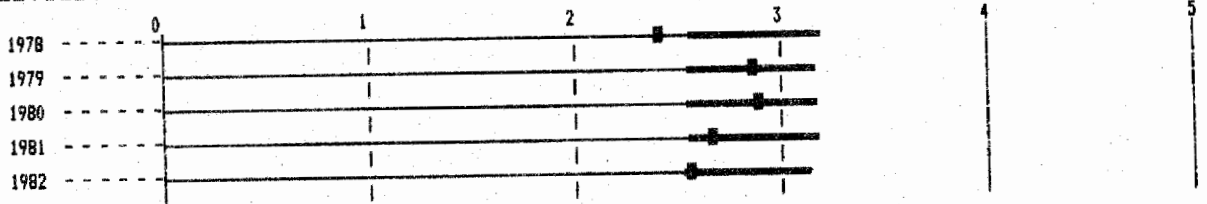


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

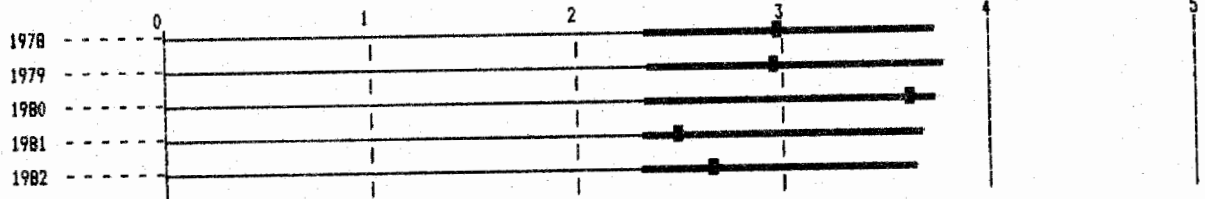
COLORADO



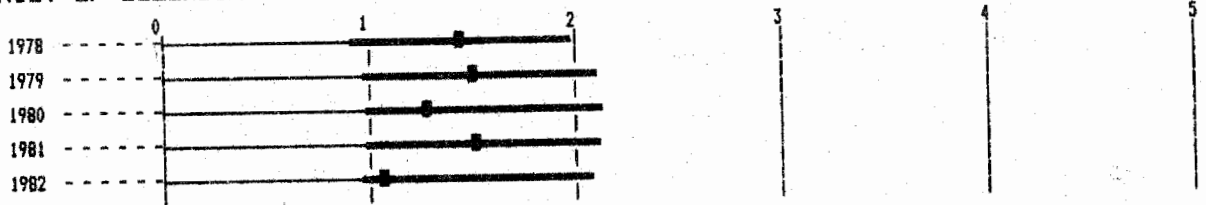
CONNECTICUT



DELAWARE



DISTRICT OF COLUMBIA



FLORIDA

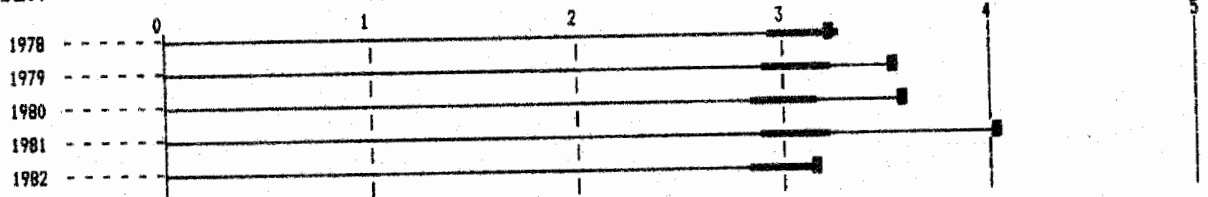
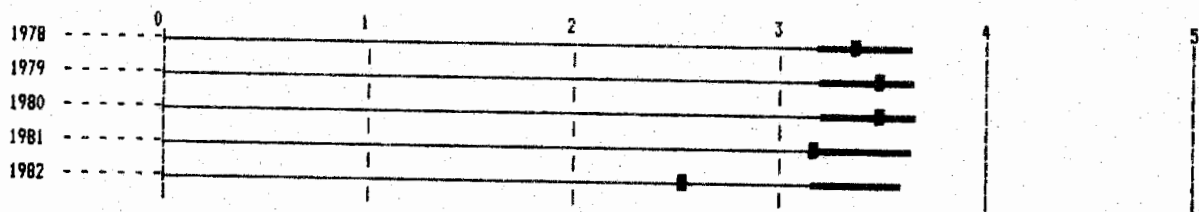
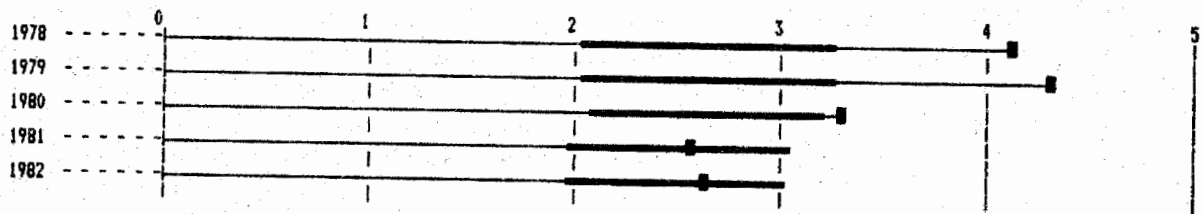


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

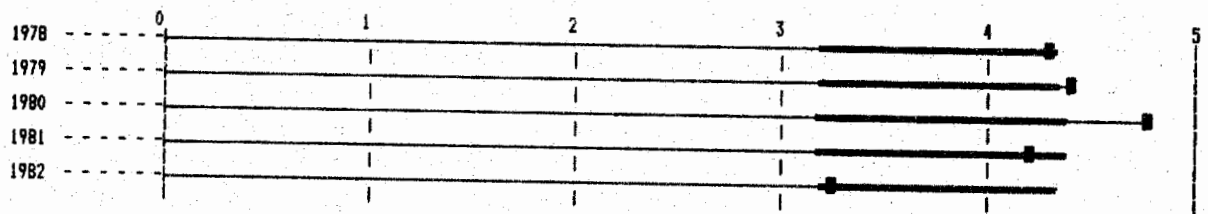
GEORGIA



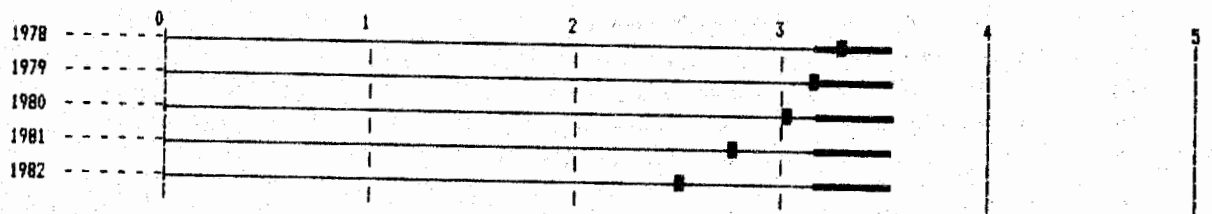
HAWAII



IDAHO



ILLINOIS



INDIANA

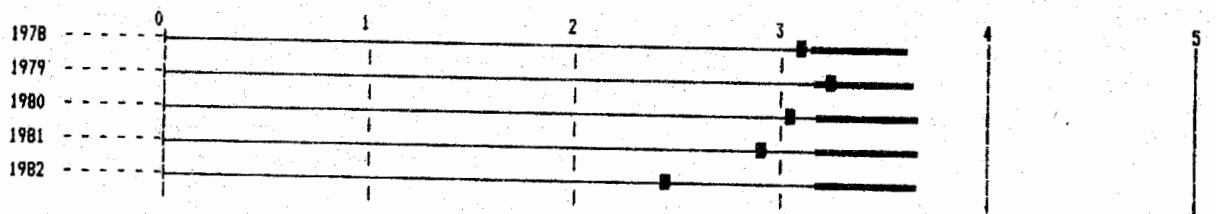
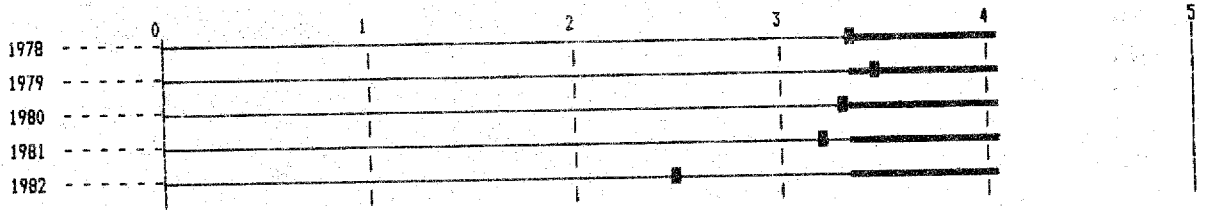
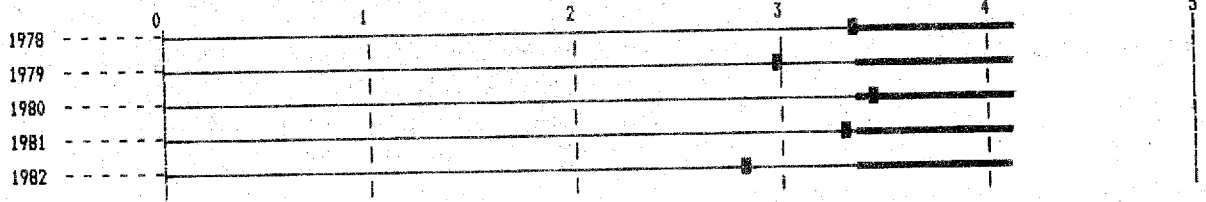


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

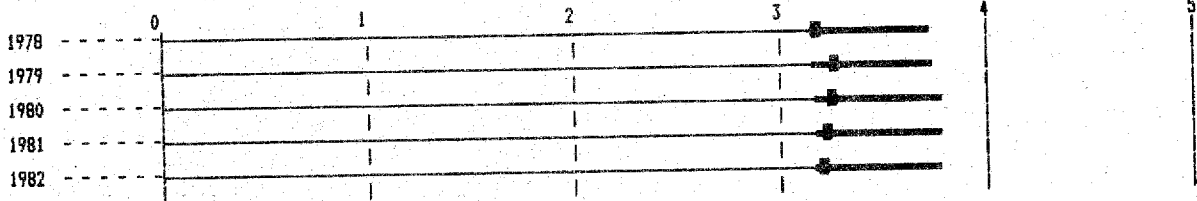
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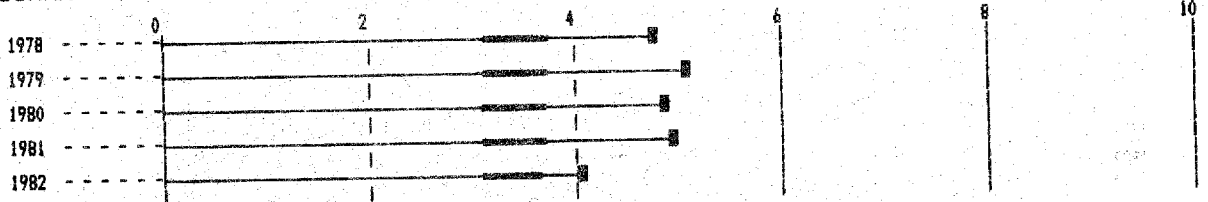
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KENTUCKY



LOUISIANA



MAINE

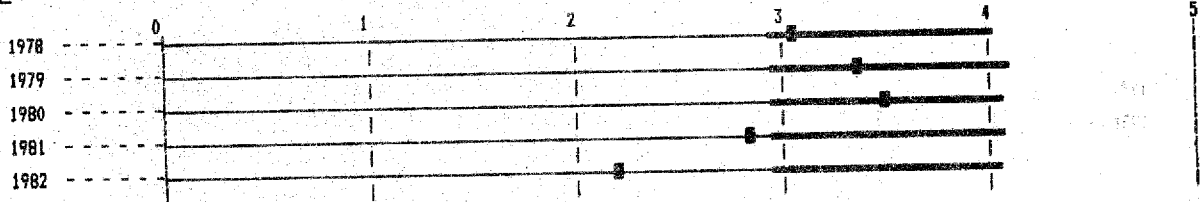
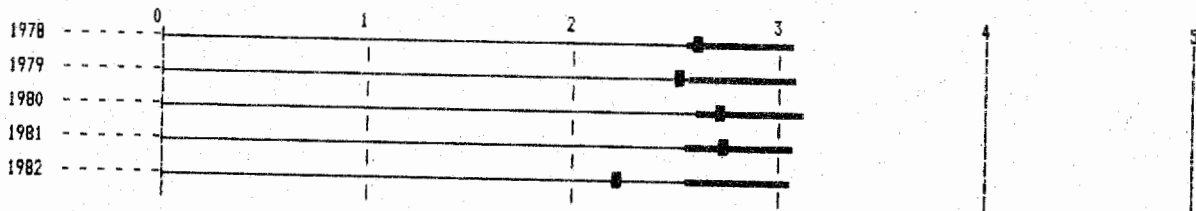
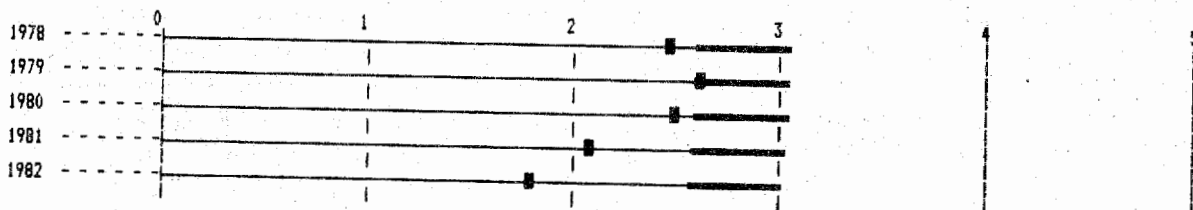


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

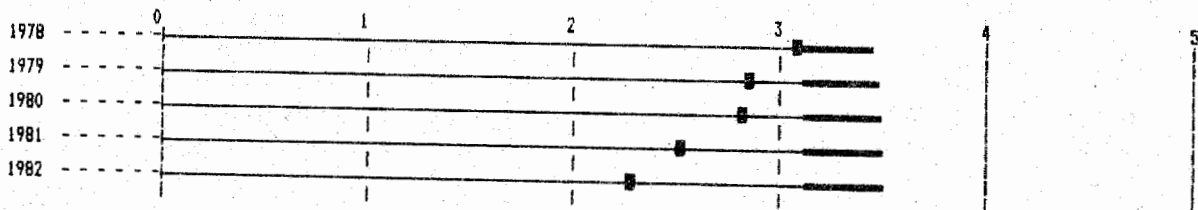
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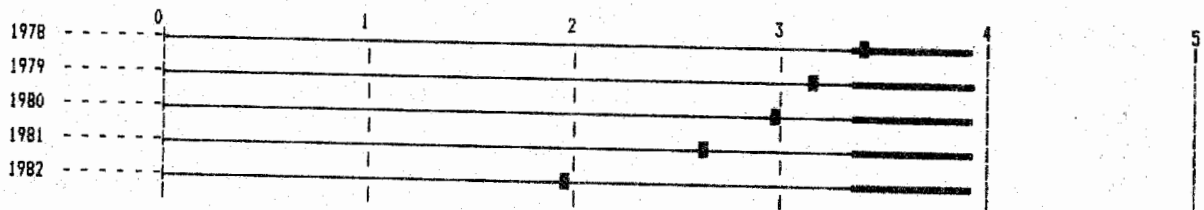
MASSACHUSETTS



MICHIGAN



MINNESOTA



MISSISSIPPI

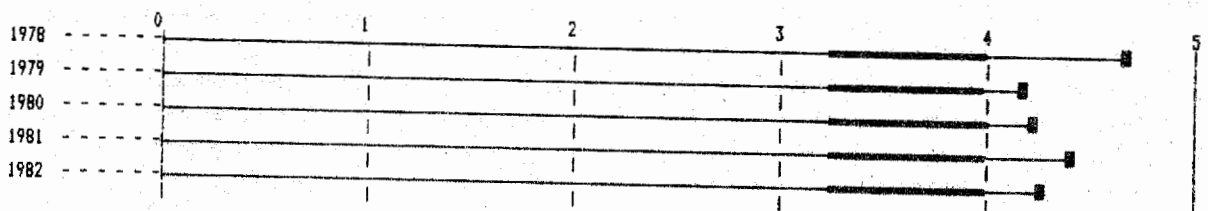
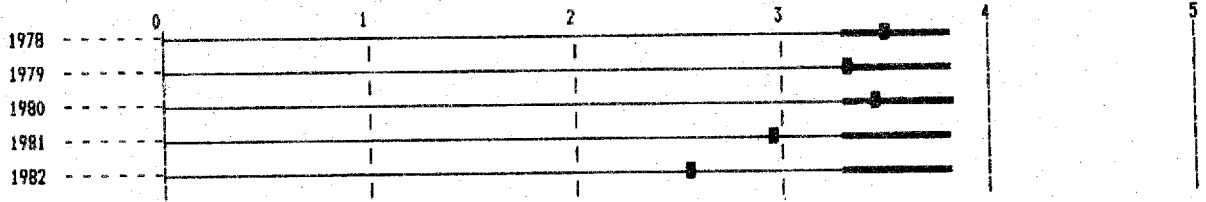
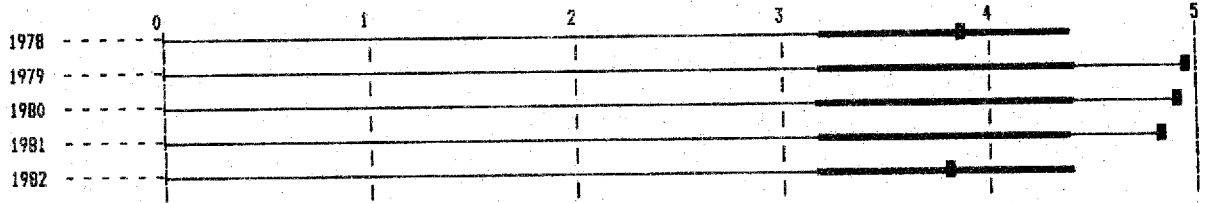


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

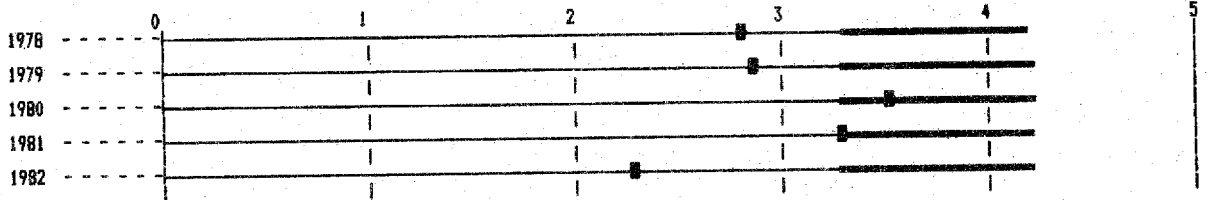
MISSOURI



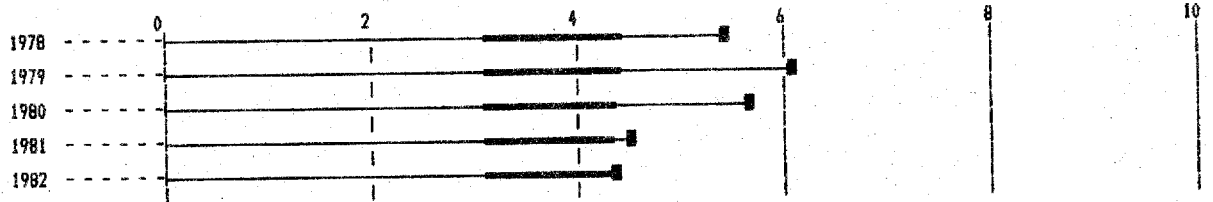
MONTANA



NEBRASKA



NEVADA



NEW HAMPSHIRE

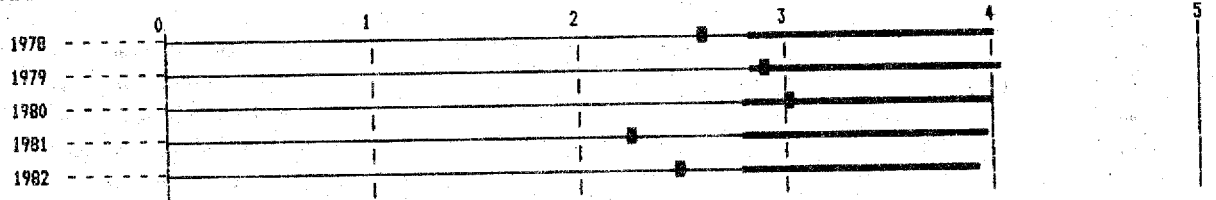
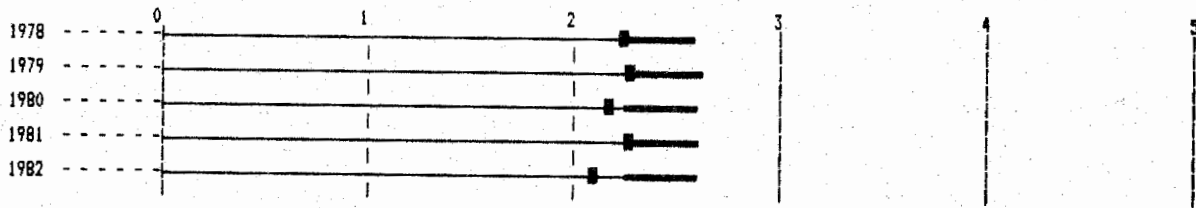
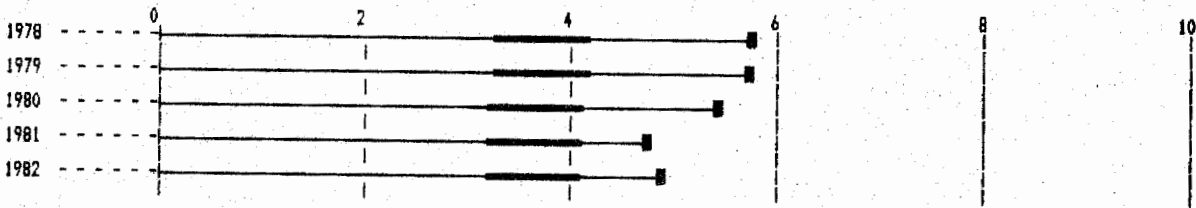


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

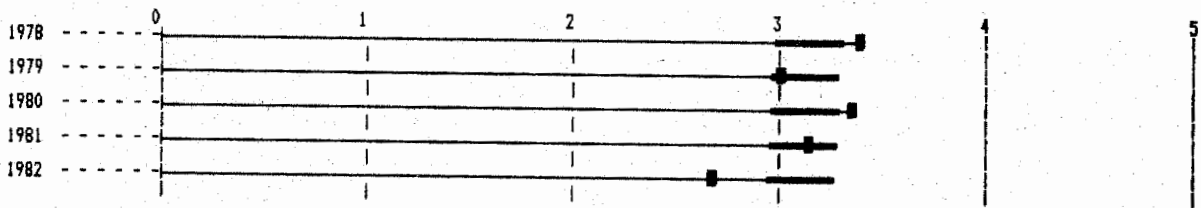
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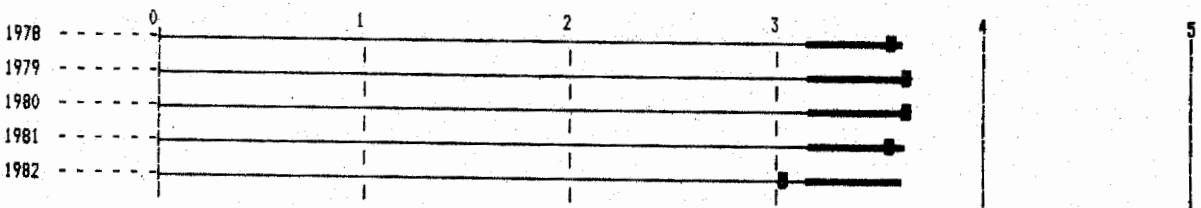
NEW MEXICO



NEW YORK



NORTH CAROLINA



NORTH DAKOTA

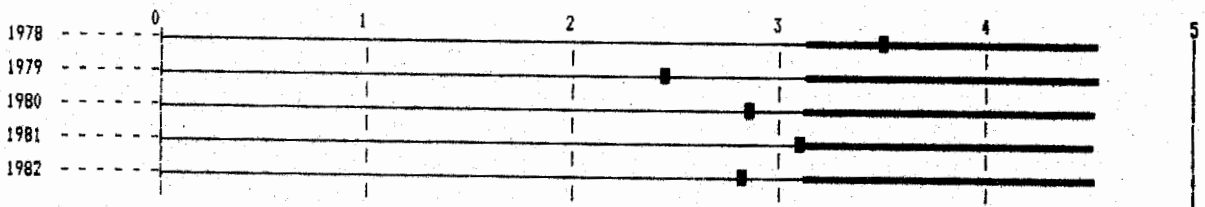
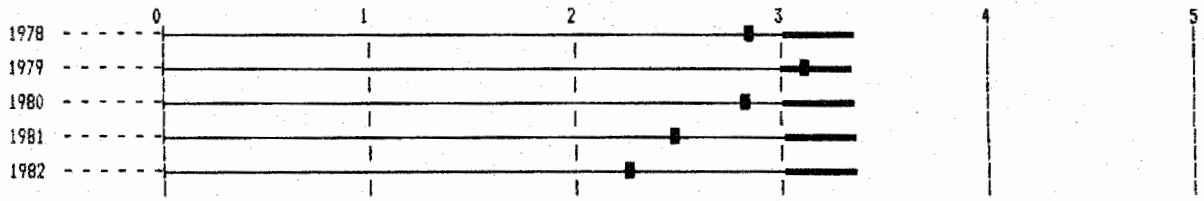
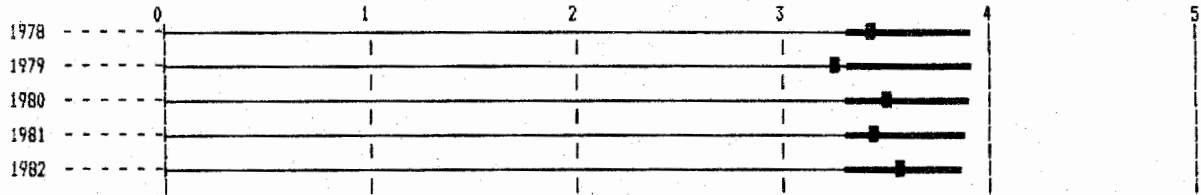


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

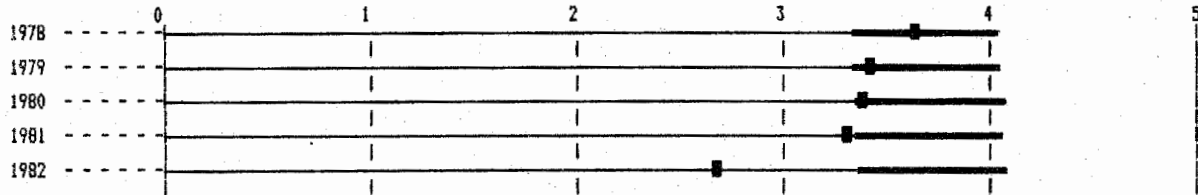
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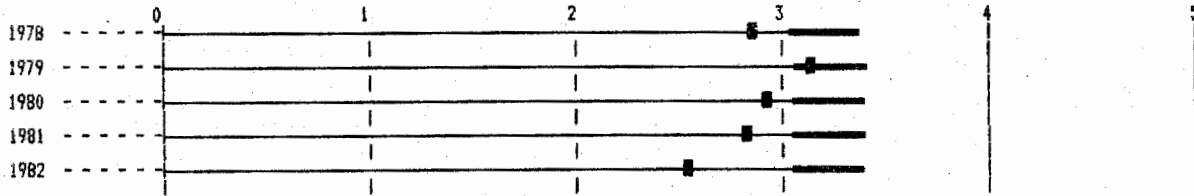
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OREGON



PENNSYLVANIA



RHODE ISLAND

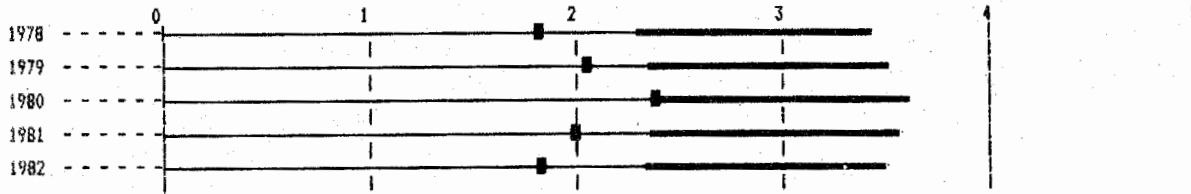
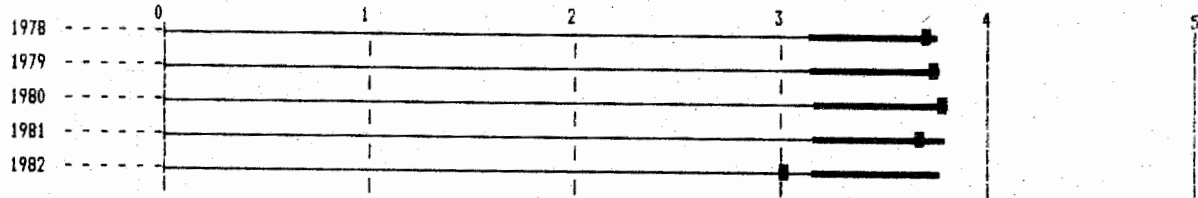
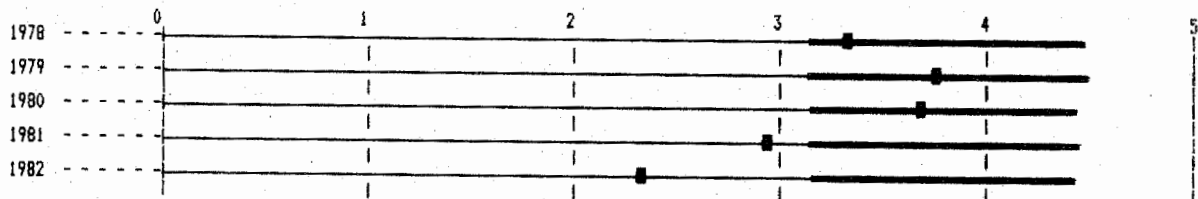


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

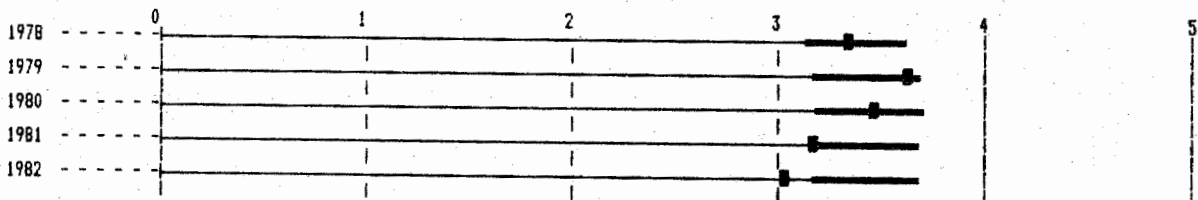
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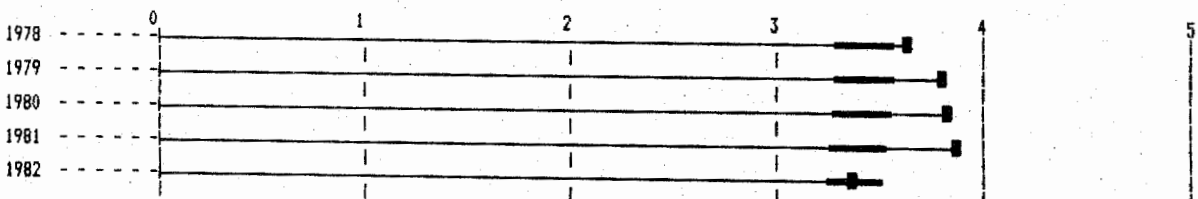
SOUTH DAKOTA



TENNESSEE



TEXAS



UTAH

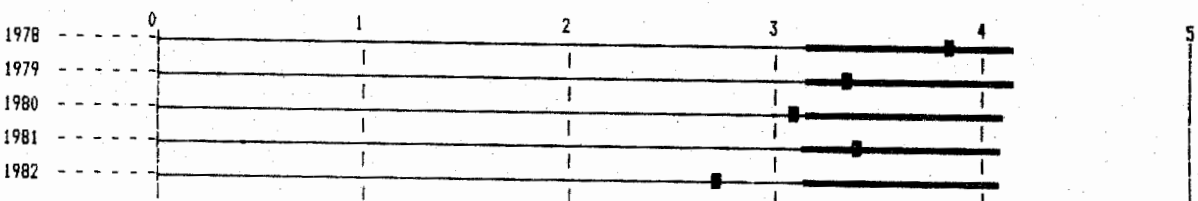
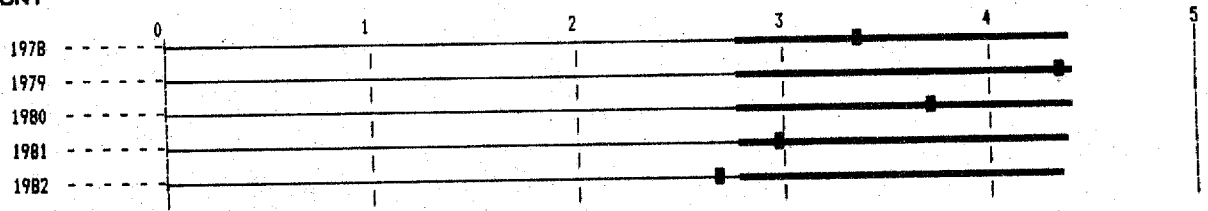
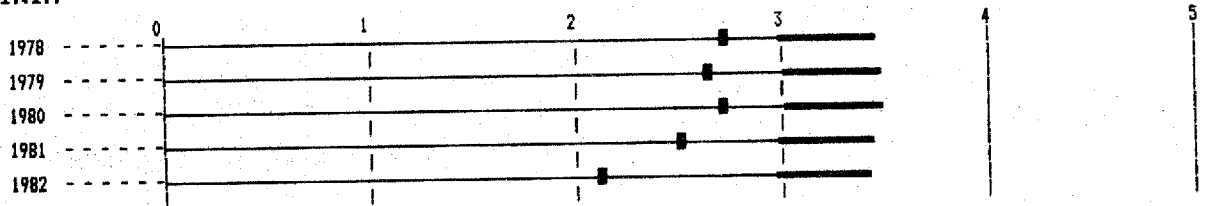


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

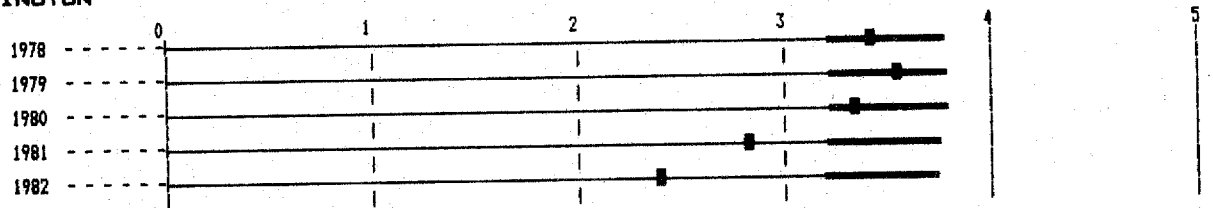
VERMONT



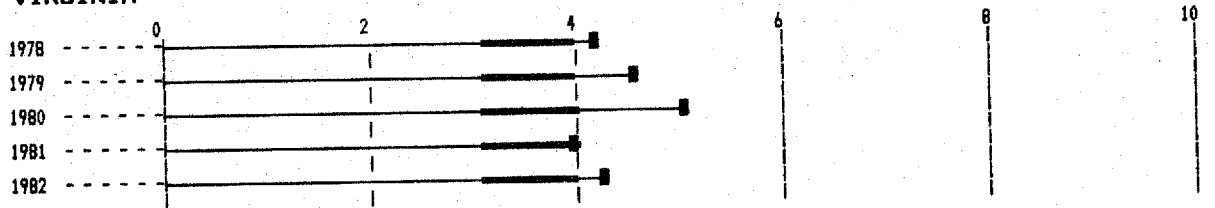
VIRGINIA



WASHINGTON



WEST VIRGINIA



WISCONSIN

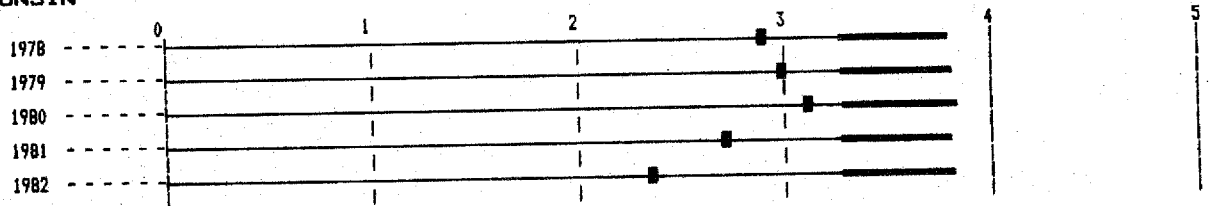
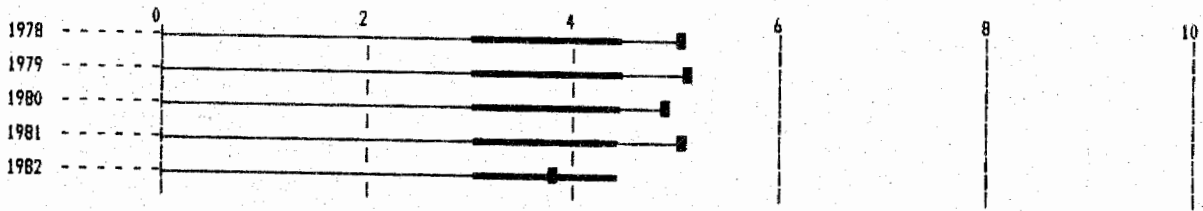
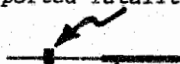



Figure 8 (continued) STATE FATALITY RATES (1978-1982)

WYOMING



LEGEND:
Reported fatality rate

Provisional range


SECTION VII—SUMMARY

The data presented in this report are intended for use in the evaluation of the highway safety performance of the States. The data were submitted by the States through the Highway Performance Monitoring System operated by the Federal Highway Administration.

A few States were unable to submit the data requested in time for inclusion in this compilation.

Analysis of the travel and accident data which have been presented is beyond the scope of this report.

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Smith, R.N., "Predictive Parameters for Accident Rates," California Division of Highways, Analytical Studies Branch, 1973.

National Highway Traffic Safety Administration, "Highway Safety Needs Study - 1981 Update of 1976 Report to Congress," October 1981, DOT-HS-806 283, pp. 72-73.

Fee, Julie Anna, et al., "Interstate System Accident Research Study 1," Federal Highway Administration, U.S. Department of Transportation, October 1970, pp. I-14, 15, 42.

Provisional Rates:

Morin, D.A., "Application of Statistical Concepts to Accident Data," Highway Research Record 188, 1967, pp. 72-79.

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