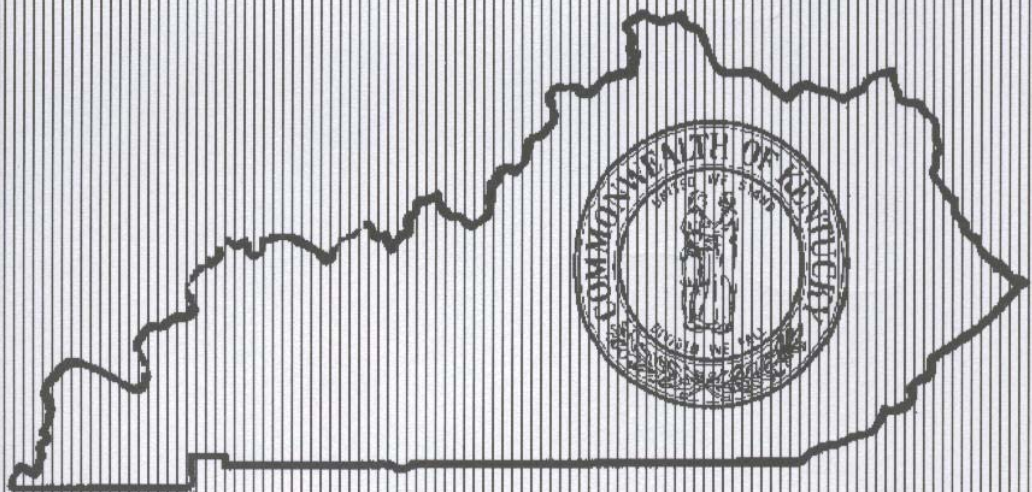


**K
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**TRAFFIC
ACCIDENT
FACTS**



**1993
REPORT**

KENTUCKY STATE POLICE
RECORDS SECTION
1250 Louisville Road
Frankfort, Kentucky 40601

CORRECTIONS TO
1993 KENTUCKY ACCIDENT FACTS



Page 1 - Bar Graph

% change 1993 vs. 1992 Fatal Accidents = +6%

Page 7 - Collisions (Vehicular Action)

3rd Paragraph: Head-on collisions account for only 1% of the total crashes involving more than one vehicle, but 32% of all fatal accidents.

Page 38 - Drivers Involved in Fatal Accidents-
Age and Alcohol Involvement

Chart: Driver age category 35-44 Alcohol Involved: 55
Total Alcohol Involved 264

Page 39 - Alcohol Involvement By Age and Test Result for Drivers
Involved In 1993 Fatal Accidents

Delete 1st paragraph in Shaded Box (incorrect data)



COMMONWEALTH OF KENTUCKY
OFFICE OF THE GOVERNOR

BRERETON C. JONES
GOVERNOR

THE CAPITOL
700 CAPITAL AVENUE
FRANKFORT 40601
(502) 564-2611

My Fellow Kentuckians:

This **1993 Traffic Accident Facts** report serves to remind us that, while we rely upon motor vehicle travel in our daily lives, too often this travel results in death and injury to the citizens of our Commonwealth.

It is disheartening to see that the number of accidents reported in 1993 increased by three percent. During this same period, the number of injuries and fatalities increased as well. These 875 deaths and 55,205 injuries are far too many.



Death and injury can be dramatically reduced if **everyone will be attentive, observe speed limits, never drink and drive, and always buckle up.** By following these simple, common-sense rules, safety on Kentucky's roadways will drastically improve.

Sincerely,

A handwritten signature in black ink that reads "Brereton Jones".

Brereton C. Jones
Governor of Kentucky





COMMONWEALTH OF KENTUCKY
KENTUCKY STATE POLICE
919 VERSAILLES ROAD
FRANKFORT 40601

BRERETON C. JONES
GOVERNOR

JERRY W. LOVITT
COMMISSIONER

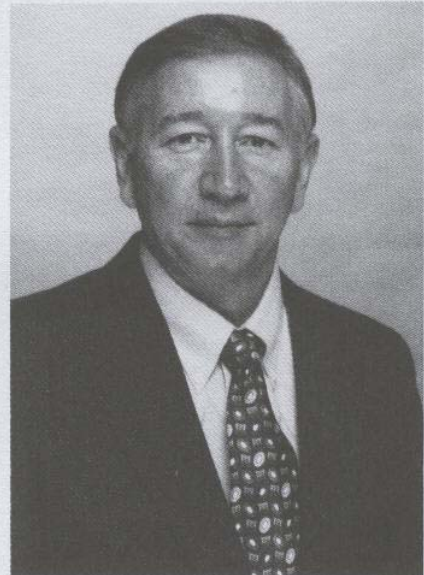
The Honorable Brereton C. Jones
Governor of Kentucky
The Capitol
Frankfort, Kentucky 40601

Dear Governor Jones:

Chapter 189.635 of the Kentucky Revised Statutes requires that the Kentucky State Police collect and tabulate traffic accident reports submitted by all law enforcement agencies in the Commonwealth.

Pursuant to that statute, it is my pleasure to present this **1993 Traffic Accident Facts** report. Statistical information based upon comprehensive analyses of fatal, injury, and property damage accidents are contained in this report.

We sincerely hope that the data contained herein is beneficial to law enforcement agencies, national, state, and local organizations, as well as citizens concerned with highway safety throughout Kentucky.



Respectfully submitted,

Jerry Lovitt

Commissioner,
Kentucky State Police

DEDICATION

This 1993 Accident Facts Report

is appropriately

dedicated

to

THE EIGHT HUNDRED-SEVENTY-FIVE CITIZENS

Who were victims of Fatal Traffic Accidents

During 1993

AND TO

THEIR FAMILIES

All citizens of the Commonwealth of Kentucky
share the sorrow brought about by senseless
tragedies on our streets and highways.

KENTUCKY

TRAFFIC ACCIDENT FACTS

1993

Prepared by:

**Records Section
Information Services Branch
Kentucky State Police
1250 Louisville Road
Frankfort, Kentucky 40601**

(502) 227-8700

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Transmittal Letter, Commissioner, Kentucky State Police

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INTRODUCTION

KENTUCKY'S TRAFFIC ACCIDENT FACTS report for 1992 is based on accident reports submitted to the Accident Unit housed in the Kentucky State Police Information Services Branch, Records Section. As required by Kentucky Revised Statutes 189.635, "every law enforcement agency whose officers investigate a vehicle accident of which a report must be made . . . shall file a report of the accident . . . within ten days after investigation of the accident upon forms supplied by the bureau." The stated purpose of this requirement is to utilize data on traffic accidents" for such purposes as will improve the traffic safety program in the Commonwealth." Data contained in this report are based solely on the observations and judgements of the state and local police officers who investigated each accident, entering the information on Kentucky's UNIFORM POLICE TRAFFIC ACCIDENT REPORT form. Upon receipt of each report, the Accident Unit carefully screen the reports for accuracy and reasonableness before coding each item. The reports are then forwarded to Data Entry. Computertabulations and summaries are again checked for accuracy before information is released or disseminated.

In an effort to comply more fully with the statutory purpose of Kentucky's Accident Reporting System, the 1992 TRAFFIC ACCIDENT FACTS report contains more detailed information than previously provided. It is hoped that the detailed information presented in this report will, in fact, "improve the traffic safety program in the Commonwealth". **Definitions and Terms:** the National MANUAL ON CLASSIFICATION OF MOTOR VEHICLE TRAFFIC ACCIDENTS is used to ensure uniformity and compliance with federal requirements. Standard definitions and terms used in this booklet include the following:

Motor Vehicle Traffic Accident: any motor vehicle accident that occurs on a trafficway or that occurs after the motor vehicle runs off roadway but before events are stabilized.

Accident: an unintended event that produces death, injury or damage. The word "injury" includes "fatal injury."

Trafficway: the entire width between property lines or other boundary lines, of every way or place, of which any part is open to the public for purposes of vehicular travel as matter of right or custom.

Fatal Accident: is any motor vehicle accident that results in fatal injuries to one or more persons.

Fatality: a person or persons killed in a fatal accident (also referred to as "persons killed".)

Nonfatal Injury Accident: (also referred to as Personal Injury Accident) any motor vehicle accident that results in injury, other than fatal, to one or more persons.

Injured: a person or persons injured in an accident (also referred to as "persons injured.")

Property Damage Accident: any motor vehicle accident in which there is no injury to any person, but only damage to a motor vehicle or other property, including injury to domestic animals.

Alcohol Involved Accident: any accident in which an operator was observed to have been drinking by the officer investigating the accident.

NOTE: KRS 189.635 requires "any person operating a vehicle . . . who is involved in an accident resulting in any property damage exceeding \$500 in which an investigation is not conducted by a law enforcement officer shall file a written report of the accident with the state police within ten (10) days of occurrence of the accident . . ." Such reports are not included in the overall data presented in this report.

NOTE: Summary data on fatal accidents are included throughout this report. Additional data on fatal accidents can be found in the section titled "Kentucky's Fatal Accident Reporting System (FARS)," pages 38-41.

NOTE: Previous to 1985, Kentucky utilized a ninety day cut-off for deaths resulting from fatal accidents. As of 1986, persons who died as a result of injuries sustained in a motor vehicle accident are counted as fatalities only if death occurred within thirty days from the date of the accident. This change from ninety days to thirty days was made to be consistent with guidelines of the National Highway Traffic Safety Administration.

NOTE: Percentages are frequently used in this report and in the visual graphics. Due to rounding, aggregate percentages do not always equal 100.

NOTE: A graphically illustrated page of important information about child restraints is on page 42 of this report. This information is suitable for reproduction and can be used as informational "hand-outs" during presentations on traffic safety.



ACCIDENTS SUMMARY

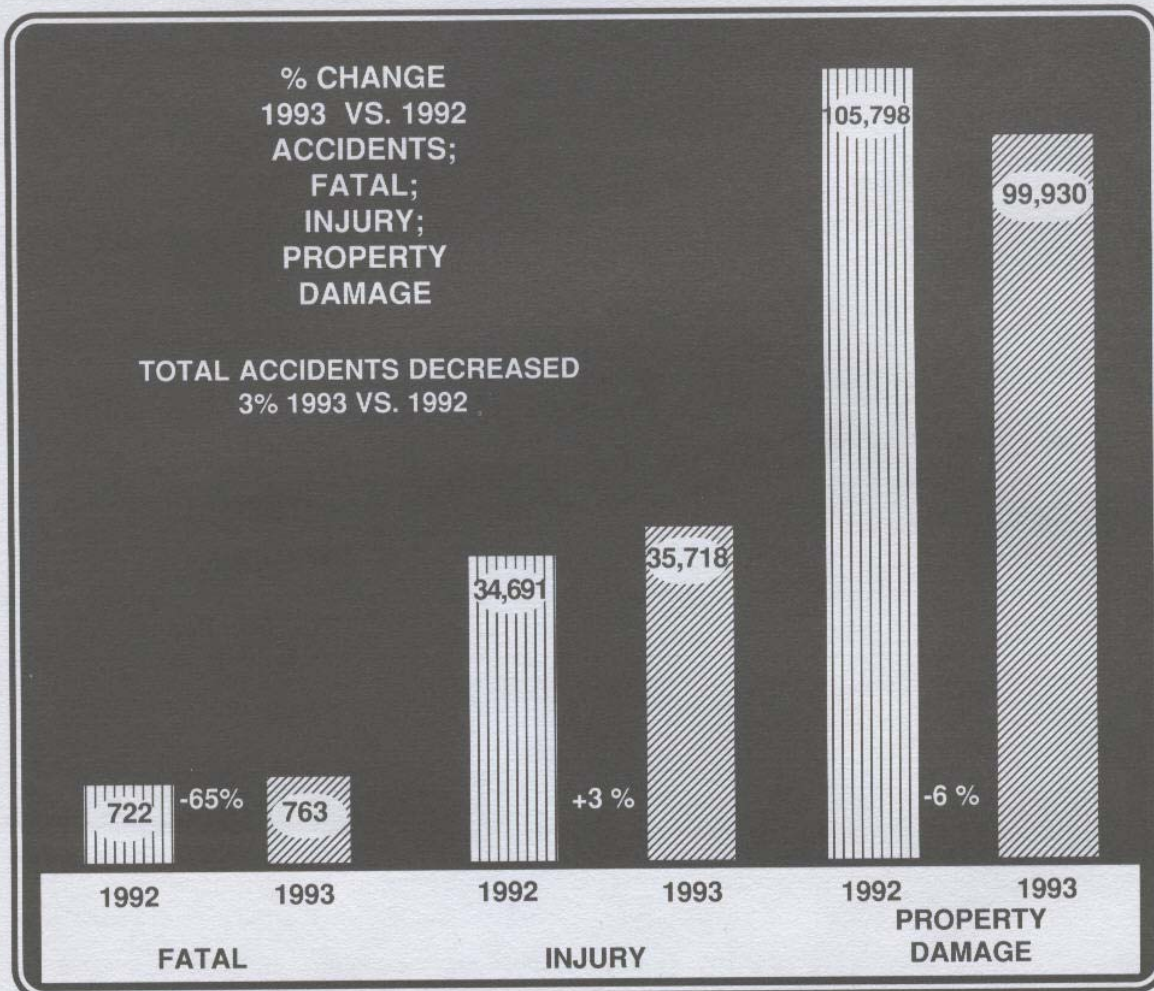
1993 ACCIDENTS SUMMARY

TYPE ACCIDENT REPORTED	1993	1992	% CHANGE
FATAL	763	722	+6%
NON-FATAL INJURY	35,718	34,691	+3%
PROPERTY DAMAGE ONLY	99,930	105,798	-6%
TOTAL NUMBER REPORTED	136,411	141,211	-3%

763 fatal accidents were reported during 1993, an increase of 6% over 1992.

There were 1,027 more non-fatal injury accidents, an increase of 3%.

Property damage accidents showed a decrease of 6% with 5,868 less accidents reported.



DEATHS AND INJURIES SUMMARY

	1993	1992	% Change
PERSONS KILLED	875	819	+7%
PERSONS INJURED	55,205	53,168	+4%

FACTS: IN KENTUCKY, ONE OF EVERY 4,228 CITIZENS DIED AS A RESULT OF A FATAL TRAFFIC ACCIDENT DURING 1993.*

IN KENTUCKY, ONE OF EVERY 45 LICENSED DRIVERS WAS INVOLVED IN A TRAFFIC ACCIDENT: ONE IN 2,853 DRIVERS WAS INVOLVED IN A FATAL ACCIDENT.**

IN KENTUCKY, ONE IN 67 CITIZENS WAS INJURED IN A TRAFFIC ACCIDENT.

*Based on 3.7 million population estimate

**Based on 2,496,523 licensed drivers currently registered in Kentucky

875 persons were killed during 1993. The number of traffic fatalities increased 7%, with 56 more fatalities than during 1992.

55,205 persons were injured during 1993, an increase of 4% over 1992, or 2,037 more persons injured.

The right-hand chart compares Death Rates for Kentucky vs. national death rates computed by the National Safety Council.

The bottom chart plots persons injured by severity of injury. An incapacitating injury includes those injuries which required transport to a hospital.

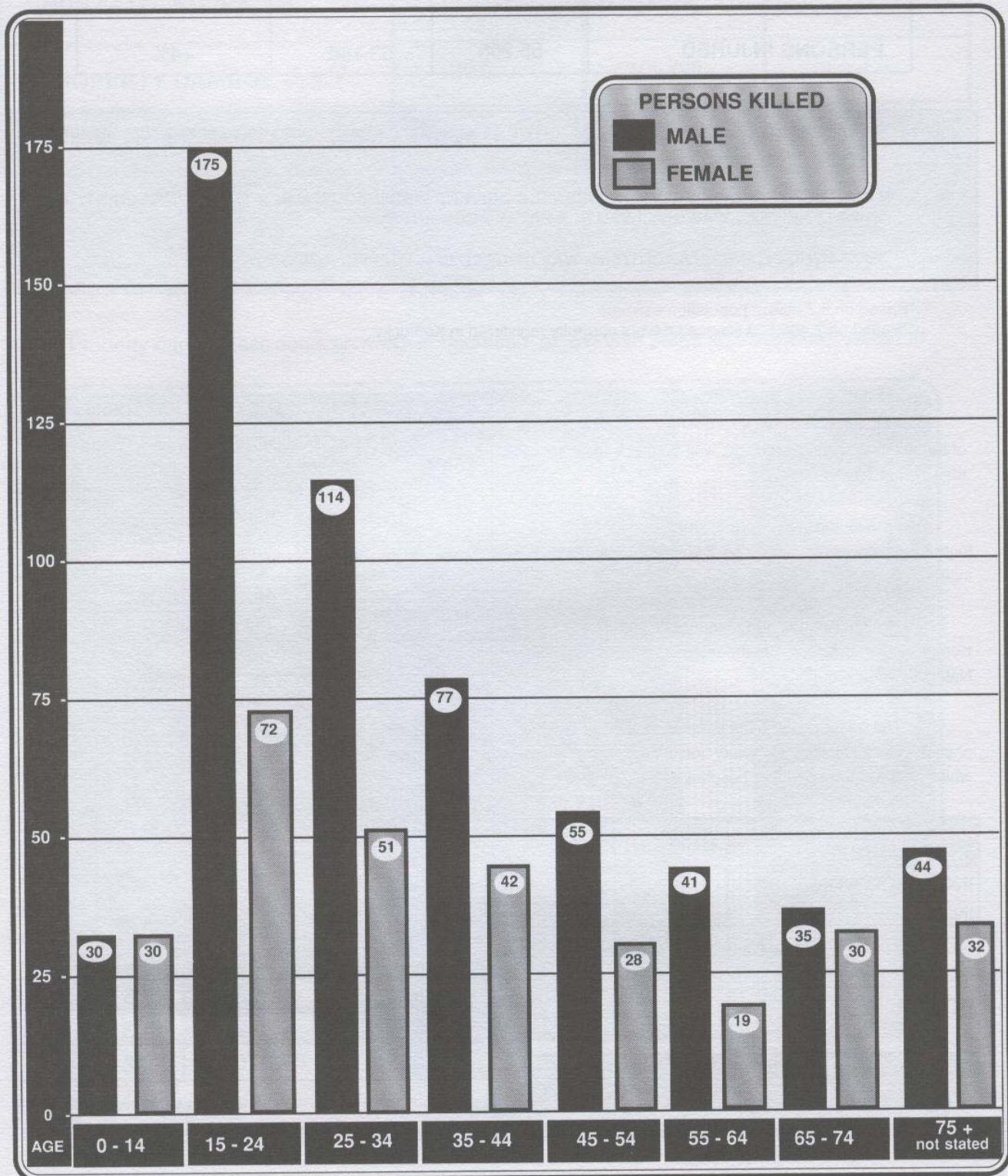
TYPE INJURY	NUMBER	%
INCAPACITATING INJURY	9,914	18%
NON-INCAPACITATING INJURY	19,416	35%
POSSIBLE INJURY	25,872	47%
TOTAL	55,202	100%

DEATH RATES 1978-1993 Basis: deaths per 100 million miles travelled.*			
YEAR	KILLED	RATE	
		KY	U.S.
1978	893	3.2	3.4
1979	905	3.3	3.5
1980	825	3.1	3.5
1981	830	3.3	3.3
1982	836	3.3	3.0
1983	790	3.0	2.7
1984	767	2.8	2.7
1985	715	2.6	2.8
1986	808	2.8	2.6
1987	849	2.9	2.6
1988	940	2.5	2.5
1989	782	2.4	2.3
1990	850	2.6	2.2
1991	828	2.6	2.0
1992	819	2.3	1.8
1993	875	2.2	1.8

*1993 miles travelled = 39 billion.

FATALITIES BY AGE AND SEX

The number of persons killed in 1993 fatal accidents is shown by age and sex in the chart below. 573 males versus 302 females were killed. 28% of all persons killed in traffic accidents were in the fifteen to twenty-four year old age group. 65 of all persons killed were pedestrians, and 8 were pedalcyclists.



SEVERITY OF INJURY BY TYPE OF ACCIDENT

The chart below depicts the number of persons killed and injured, by severity of injury, within eleven categories of accidents. As shown in the right-hand percentage column, collisions with moving motor vehicles (70%) and collisions with fixed objects (20%) account for 90% of the crashes in which persons were killed or injured during 1993.

TYPE OF ACCIDENT	TYPE OF INJURY				% Killed / Injured
	Killed	Incapacitating Injury	Non-Incapacitating Injury	Possible Injury	
Non-Collision Overturning	29	264	457	304	2%
Other Non-Collision	30	346	534	593	3%
Collision With Pedestrian	66	446	567	416	3%
Collision With Motor Vehicle (Moving) In Transport	435	6,042	12,566	19,949	70%
Collision With Parked Motor Vehicle	0	0	3	2	less than 1%
Collision With Railway Train	6	24	14	12	less than 1%
Collision With Pedalcyclist	8	137	275	212	1%
Collision With Deer	1	25	63	76	less than 1%
Collision With Other Animal	1	17	41	68	less than 1%
Collision With Fixed Object	277	2,483	4,646	3,990	20%
Collision With Other Object	22	130	250	250	1%
TOTAL	875	9,914	19,416	25,872	
% Of All Injuries	2%	18%	35%	46%	

OCCURRENCE OF ACCIDENTS BY TYPE

76% of all accidents reported during 1993 involved moving vehicles.

14% of all accidents involved collisions with fixed objects.

2% of all accidents were other types of collisions (one vehicle with train, pedestrian, animal, etc).

In the "All Other" category are included 1,244 non-collision accidents (.9%) resulting from the vehicle overturning and 3,067 other non-collision type accidents (3%).

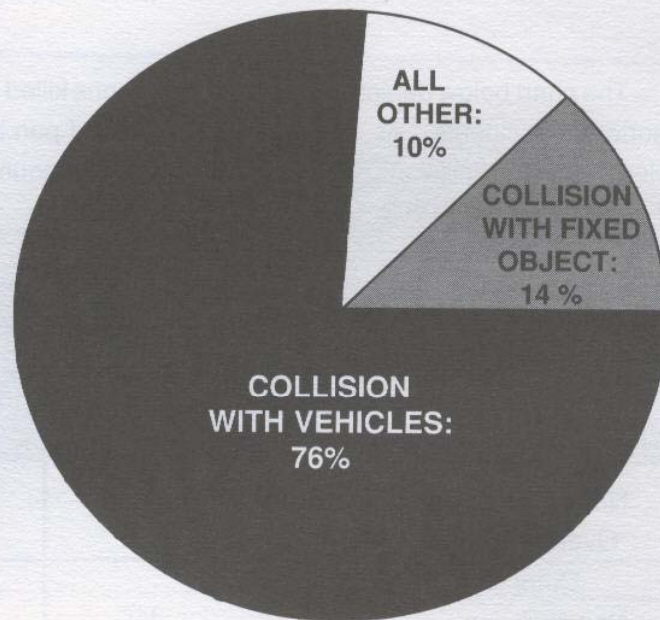
When looking at fatal accidents by themselves, the ratio between types of occurrences is different. 41% of all fatal accidents involved a collision with another vehicle.

29% of the fatal accidents reported during 1993 involved collisions with fixed objects.

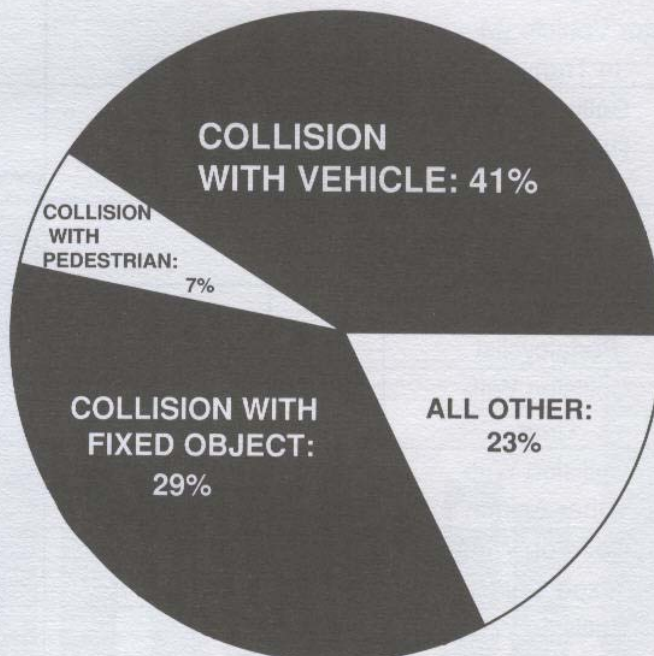
7% of the 1993 fatal accidents involved collisions with pedestrians. 23% of the fatal accidents were other type accidents.

Specific types of collisions and the ratio of persons killed in each type of collision are shown on the following page.

In the "All Other" category are included fatal non-collisions resulting from the vehicle overturning (3%) and 38 other non-collision accidents (3%).



ALL ACCIDENTS



FATAL ACCIDENTS

TYPE OF COLLISIONS

Collisions with other motor vehicles were responsible for 76% of all accidents reported during 1993, and accounted for 41% of all fatalities (persons killed). Collisions with fixed objects accounted for 14% of all accidents, but 29% of fatalities. Types of collisions are depicted below.

COLLISION WITH MOTOR VEHICLE:

Total Accidents: 104,242
 % of Total: 76%
 Persons Killed: 361
 % of Total: 41%



COLLISION WITH PEDESTRIAN:

Total Accidents: 1,373
 % of Total: 1
 Persons Killed: 65
 % of Total: 7%

COLLISION WITH PARKED VEHICLE:

Total Accidents: 90
 % of Total: .1%
 Persons Killed: 0
 % of Total: 0%



COLLISION WITH PEDALCYCLIST:

Total Accidents: 714
 % of Total: .5%
 Persons Killed: 8
 % of Total: .9%

COLLISION WITH FIXED OBJECT:

Total Accidents: 19,767
 % of Total: 14%
 Persons Killed: 252
 % of Total: 29%



COLLISION WITH RAILWAY TRAIN:

Total Accidents: 92
 % of Total: .07%
 Persons Killed: 6
 % of Total: .7%

COLLISION WITH OTHER OBJECT:

Total Accidents: 2,390
 % of Total: 2%
 Persons Killed: 15
 % of Total: 2%



COLLISION WITH DEER:

Total Accidents: 2,854
 % of Total: 2%
 Persons Killed: 1
 % of Total: .0%

OVERTURNING:

Total Accidents: 1,244
 % of Total: .9%
 Persons Killed: 25
 % of Total: 3%



COLLISION WITH ANIMALS (excluding deer):

Total Accidents: 578
 % of Total: .4%
 Persons Killed: 1
 % of Total: .0%

OTHER (NON-COLLISION):

Total Accidents: 3,067
 % of Total: 2%
 Persons Killed: 29
 % of Total: 3%



COLLISIONS

(Vehicular Action)

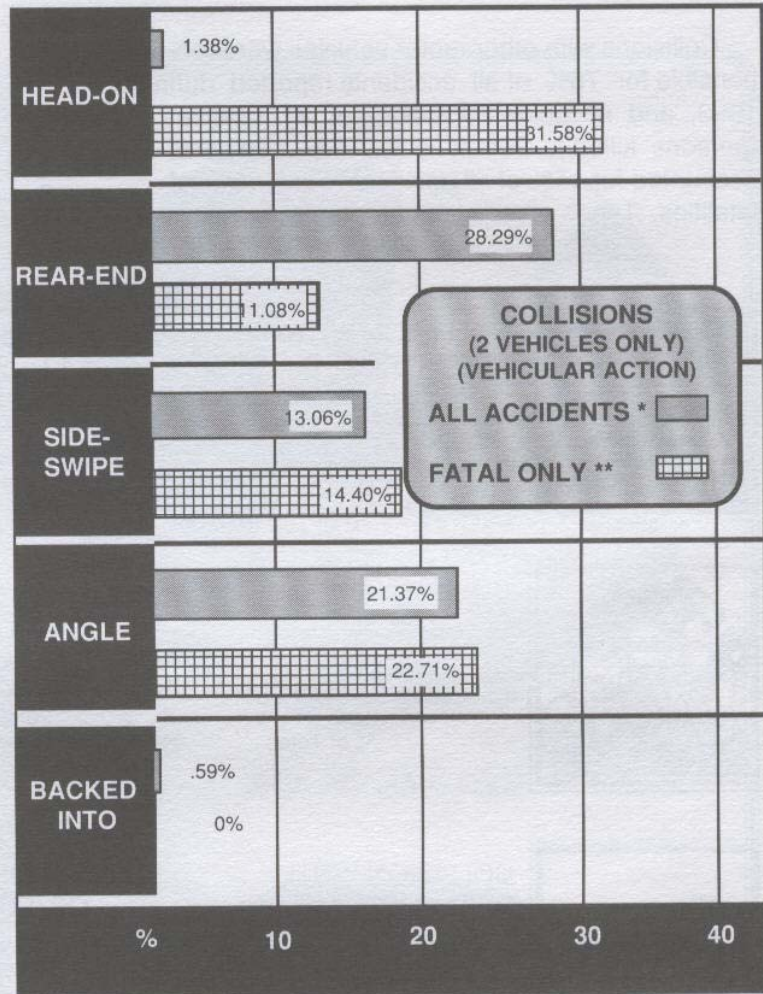
104,242 traffic accidents reported during 1993 involved "two-car" collisions. This represents 76% of all accidents and 47% of all fatal accidents reported.

The right-hand chart depicts the manner of collision for these crashes, where known.

Head-on collisions accounted for 1% of the fatal crashes involving more than one vehicle, but only 32% of all accidents.

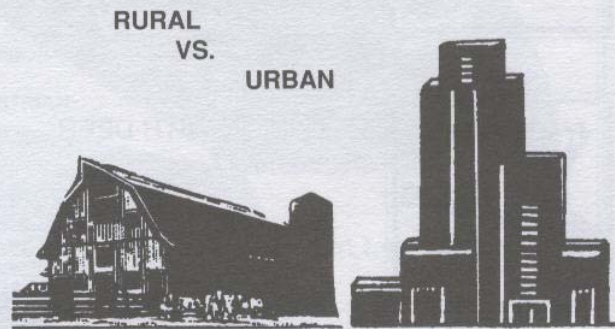
Rear-end collisions reflect 28% of all collisions, but only 11% of the fatal crashes.

Sideswipe collisions (both meeting and passing) reflect 13% of all crashes and 14% of the fatal crashes.



ACCIDENT LOCATIONS- RURAL VS. URBAN

For the purpose of tabulating accident locations, an urban area is an area including and adjacent to a municipality or other known place of 5,000 or more population. Rural areas are those places which do not meet this specification. As shown in the chart below, most accidents (62%) occurred in urban areas. However, the majority of fatal accidents (78 %) took place in rural areas of Kentucky during 1993. Although non-fatal injury accidents were fairly evenly divided between urban and rural areas, nearly twice as many property damage accidents were reported in urban areas.



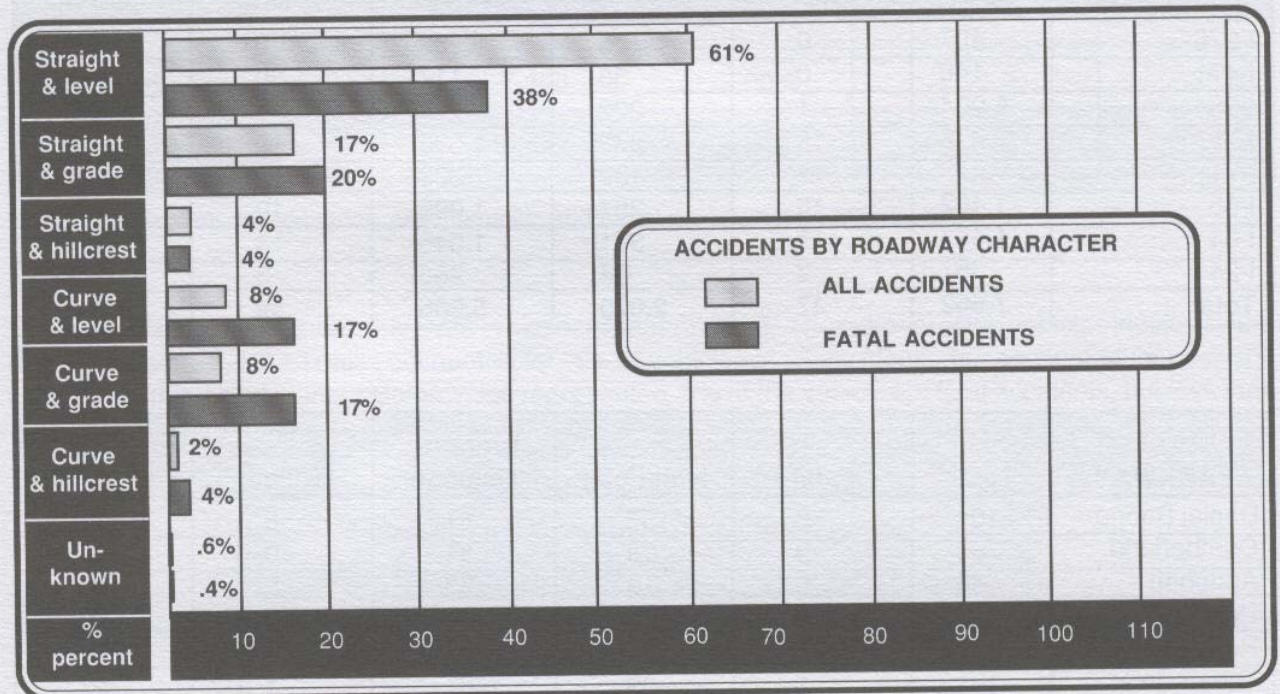
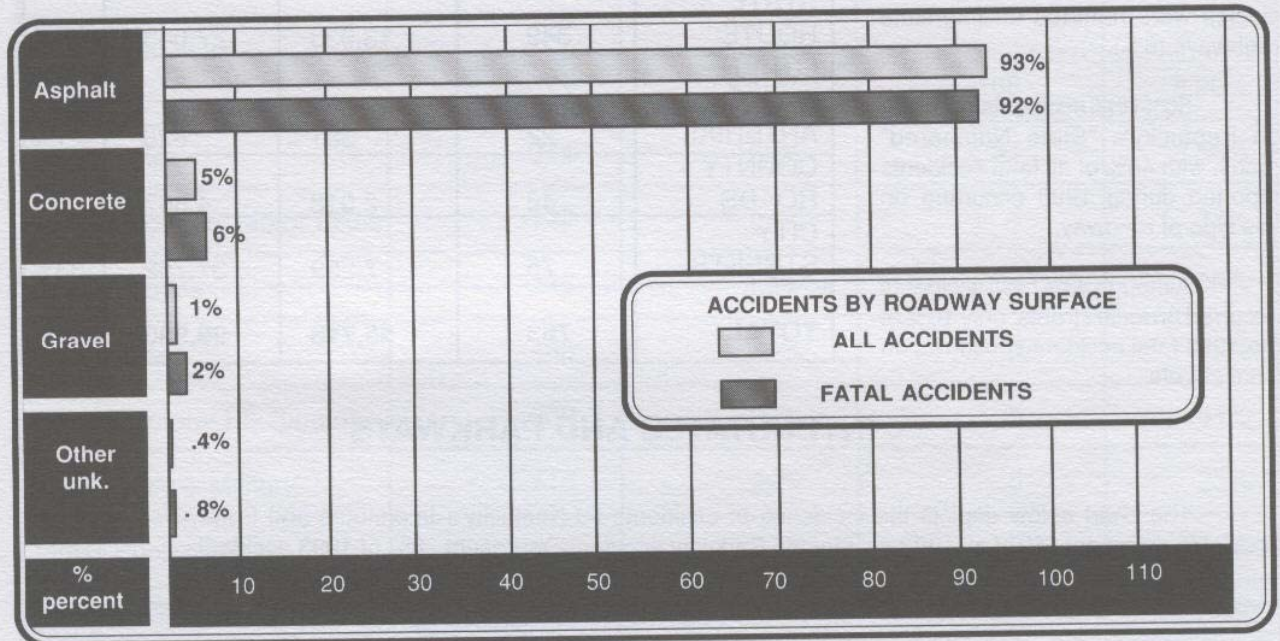
AREA	Number of Accidents	% Total	Fatal	% Total	NonFatal Injury	% Total	Prop. Damage	% Total	Killed	% Total	Injured	% Total
RURAL	51,942	38%	597	78%	17,458	49%	33,887	34%	690	79%	28,174	51%
URBAN	84,469	62%	166	22%	18,260	51%	66,043	66%	185	21%	27,031	49%
TOTAL	136,411	100%	763	100%	35,718	100%	99,930	100%	875	100%	55,205	100%

ACCIDENTS BY ROADWAY SURFACE

The charts below depict percentages of all accidents and fatal accidents according to the surface and character of the roadway on which the accident occurred.

While 93% of all accidents occurred on asphalt surfaced roadways, it should be noted that most of Kentucky's high-volume-traffic roadways are asphalt surfaced roads.

As depicted in the bottom chart, 82% of all accidents occurred on straight roads and 18% on curved roads. 38% of the fatal accidents during 1993 occurred on curved roads.



LOCATION OF ACCIDENTS

The chart at right shows the number of accidents during 1993 by type of roadway, with percentages of all accidents.

As shown, relatively few accidents were reported on Interstate Highways (6%).

30% of all accidents occurred on Kentucky's "State Numbered" roads, with 46% of all fatal accidents reported during 1993 occurring on this type of roadway.

Although 33% of all accidents occurred on local streets, only 10% of the 1993 fatal accidents occurred on local streets.

TYPE OF ROADWAY	Fatal Accidents	Non-Fatal Accidents	Property Accidents	% Total
INTERSTATE	47	2,029	5,588	6%
U.S. ROUTE	224	10,098	23,852	25%
STATE ROUTE	349	13,933	27,043	30%
OTHER MAJOR ARTERIAL	22	381	828	1%
COUNTY ROADS	46	2,018	4,867	5%
CITY STREETS	75	7,259	37,752	33%
TOTAL	763	35,718	99,930	100%

INTERSTATES AND PARKWAYS

The chart below depicts the incidence of accidents on Kentucky's Interstates and Parkways. Interstate accidents represent 6% of all 1993 accidents. Parkway accidents represent .8% of 1993 accidents.

INTERSTATE	Total	Fatal	Non-Fatal	Property Damage	Killed	Injured
I-275	407	0	125	282	0	194
I-471	149	0	38	111	0	49
I-264	1,004	1	232	771	1	345
I-75	2,378	15	673	1,690	18	1,148
I-71	478	7	139	332	9	209
I-65	1,462	10	357	1,095	10	573
I-64	1,427	11	371	1,045	13	575
I-24	357	3	94	260	3	153
Total	7,662	47	2,029	5,586	54	3,246

PARKWAY	Total	Fatal	Non-Fatal	Property Damage	Killed	Injured
Daniel Boone	104	6	37	61	8	60
Cumberland	82	0	28	54	0	34
Audubon	46	0	13	33	0	29
Pennyrile	259	3	75	181	3	119
Purchase	77	1	19	57	1	33
Green River	121	1	39	81	1	60
Western Kentucky	315	9	84	222	14	143
Bluegrass	144	2	54	88	4	65
Total	1,148	22	349	777	31	543

TYPE VEHICLES INVOLVED IN ACCIDENTS

VEHICLE TYPE	NUMBER ACCIDENTS	PERCENT OF TOTAL	NUMBER FATAL ACCIDENTS	PERCENT OF TOTAL
Passenger Cars	227,864	91.19%	1,049	86.48%
Taxicabs	35	.01%	0	0%
Trucks	10,371	4.15%	108	8.90%
Motorcycles	944	.38%	31	2.56%
Motor Scooters/ Motor Bikes	103	.04%	4	.33%
School Buses	735	.29%	1	.08%
Other Buses	465	.19%	3	.25%
Farm Tractors/ Equipment	200	.08%	5	.41%
Emergency & Military	718	.29%	3	.25%
Other Public Owned	432	.17%	2	.16%
Go-Carts	4	.00%	0	.0%
Other	530	.21%	4	.33%
Not Stated	7,488	3.00%	3	.25%
TOTAL	249,889	100%	1,213	100%

* Passenger cars include autos, pickup trucks, and panel trucks under 6,000 pounds.

249,889 vehicles were involved in accidents during 1993. The majority of the vehicles involved were passenger cars - 91%. Trucks accounted for 4% of vehicles in all accidents, but accounted for over 9% of vehicles in fatal accidents. Motorcycles represented 3% of the vehicles in fatal accidents, but less than .38% of vehicles in all accidents.

VEHICLES REGISTERED IN KENTUCKY IN 1993	
PASSENGER CARS	1,860,577
TRUCKS	884,683
MOTORCYCLES	31,417

DRIVER INVOLVEMENT



RESIDENCE OF DRIVER



231,381 drivers were involved in accidents during 1993. 1,185 drivers were involved in fatal accidents. The chart below tabulates driver involvement by residence and shows that most drivers (85%) were residents of the locality where the accident occurred. Many drivers in the unknown category are the result of Hit and Run accidents where the drivers' identities remain unknown.

INVOLVEMENT BY RESIDENCE

RESIDENCE OF DRIVER	# Involved In Accidents	% of Total	# Involved In Fatal Accidents	% of Total
Local Resident	197,113	85%	1,034	87%
Residing Elsewhere in State	6,243	3%	37	3%
Non-Resident	18,942	8%	105	9%
Unknown	9,083	4%	9	1%
TOTAL	231,381	100%	1,185	100%



SEX OF DRIVER



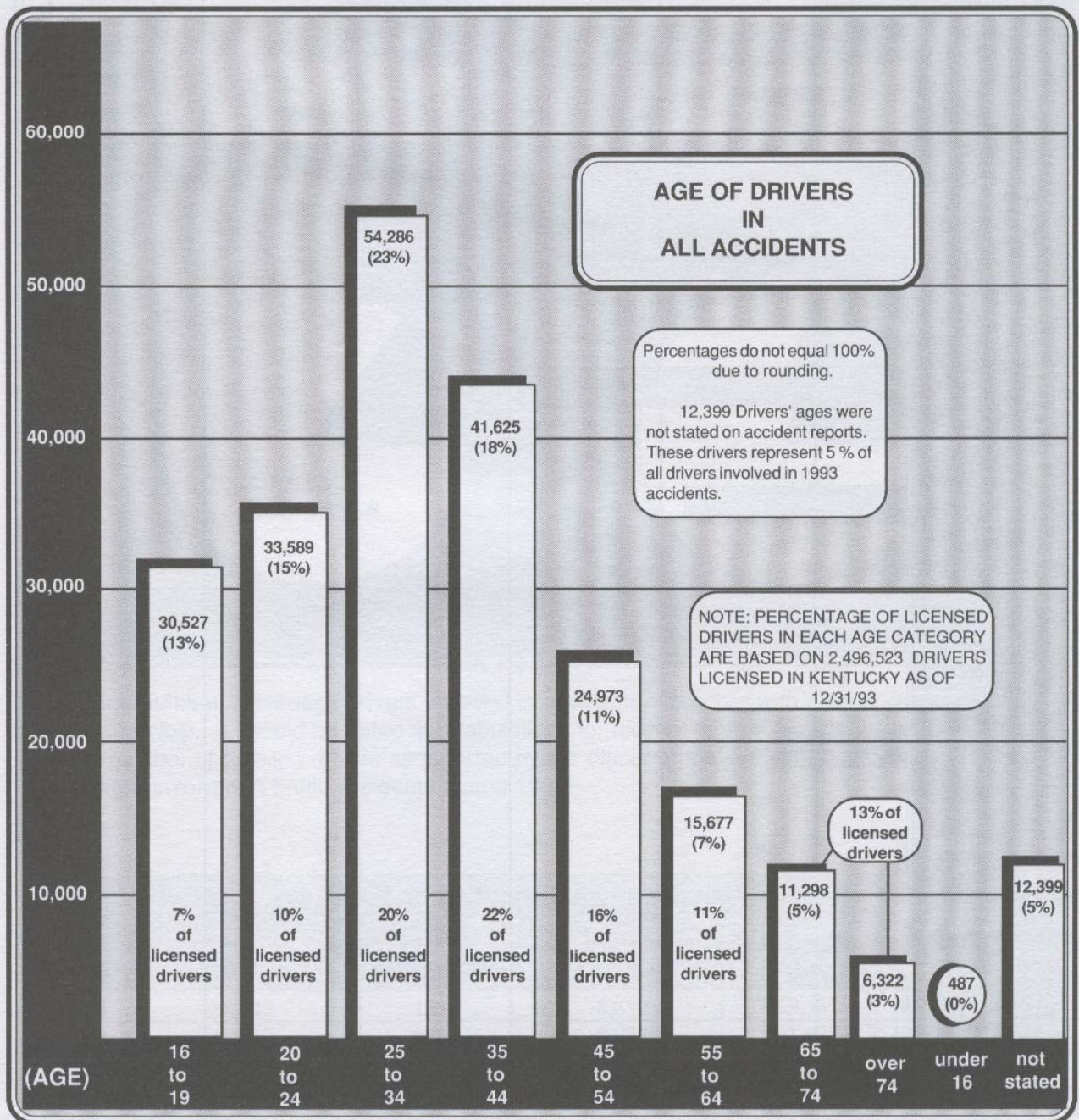
As shown in the chart below, 57% of the drivers involved in accidents during 1993 were male; 39% were female. In fatal accidents 73% of the drivers were male; 26% female.

TOTAL ACCIDENTS		
SEX	# IN ACCIDENTS	% IN ACCIDENTS
MALE	132,432	57%
FEMALE	89,726	39%
NOT STATED	9,223	4%
TOTAL	231,381	100%

FATAL ACCIDENTS		
SEX	# IN ACCIDENTS	% IN ACCIDENTS
MALE	861	73%
FEMALE	316	26%
NOT STATED	8	1%
TOTAL	1,185	100%

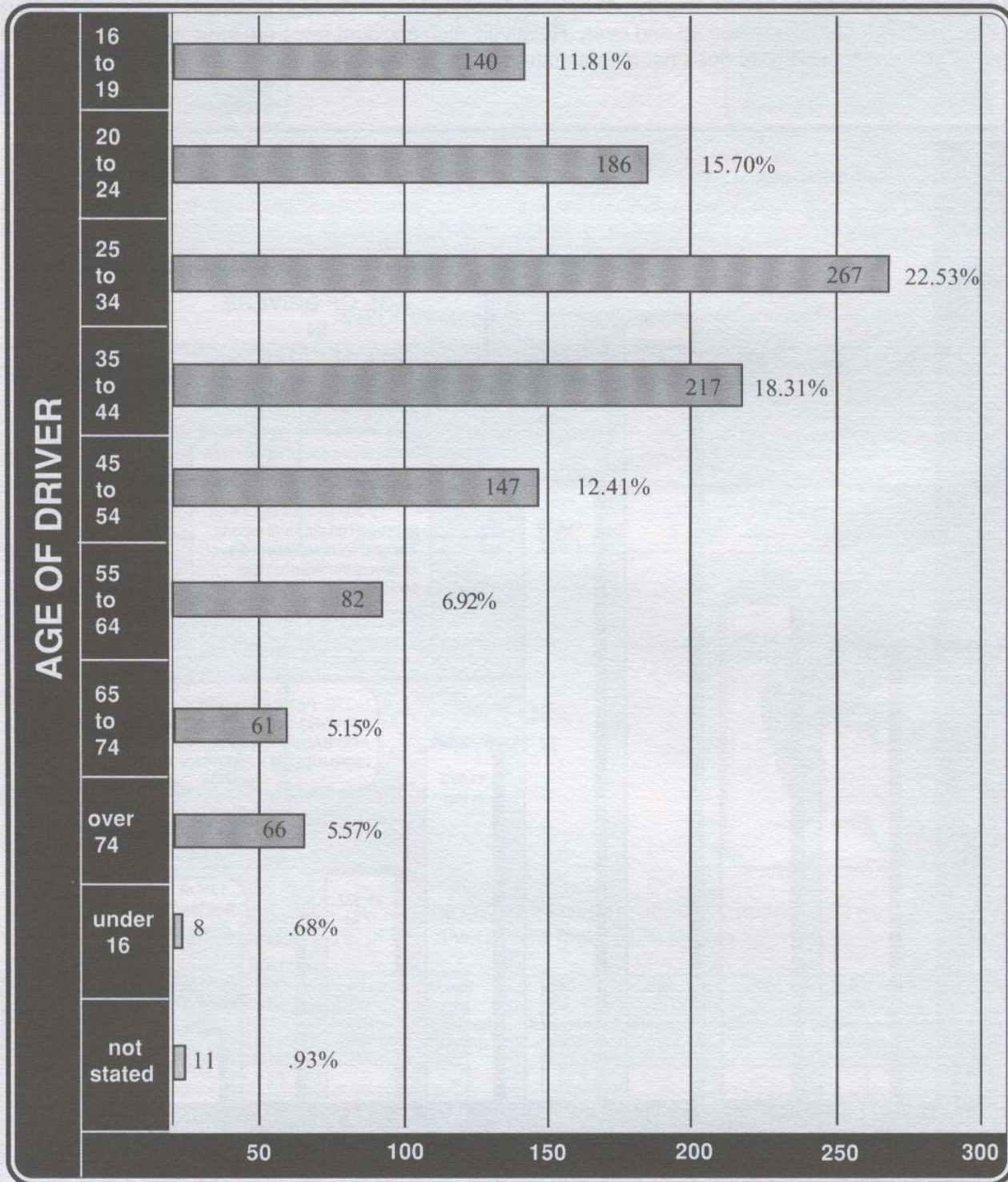
AGE OF DRIVER (ALL ACCIDENTS)

The chart below groups the ages of 231,381 drivers involved in 1993 traffic accidents in Kentucky, showing the number of drivers involved, the percentage of accidents (in parenthesis), and the percentage of licensed drivers for each age category. A comparison of the two percentage factors indicates a relatively low accident rate for drivers age 45 and over. Relatively high accident rates are indicated for the drivers age 44 and under. This data does not differentiate drivers "at-fault" versus drivers "not-at-fault".



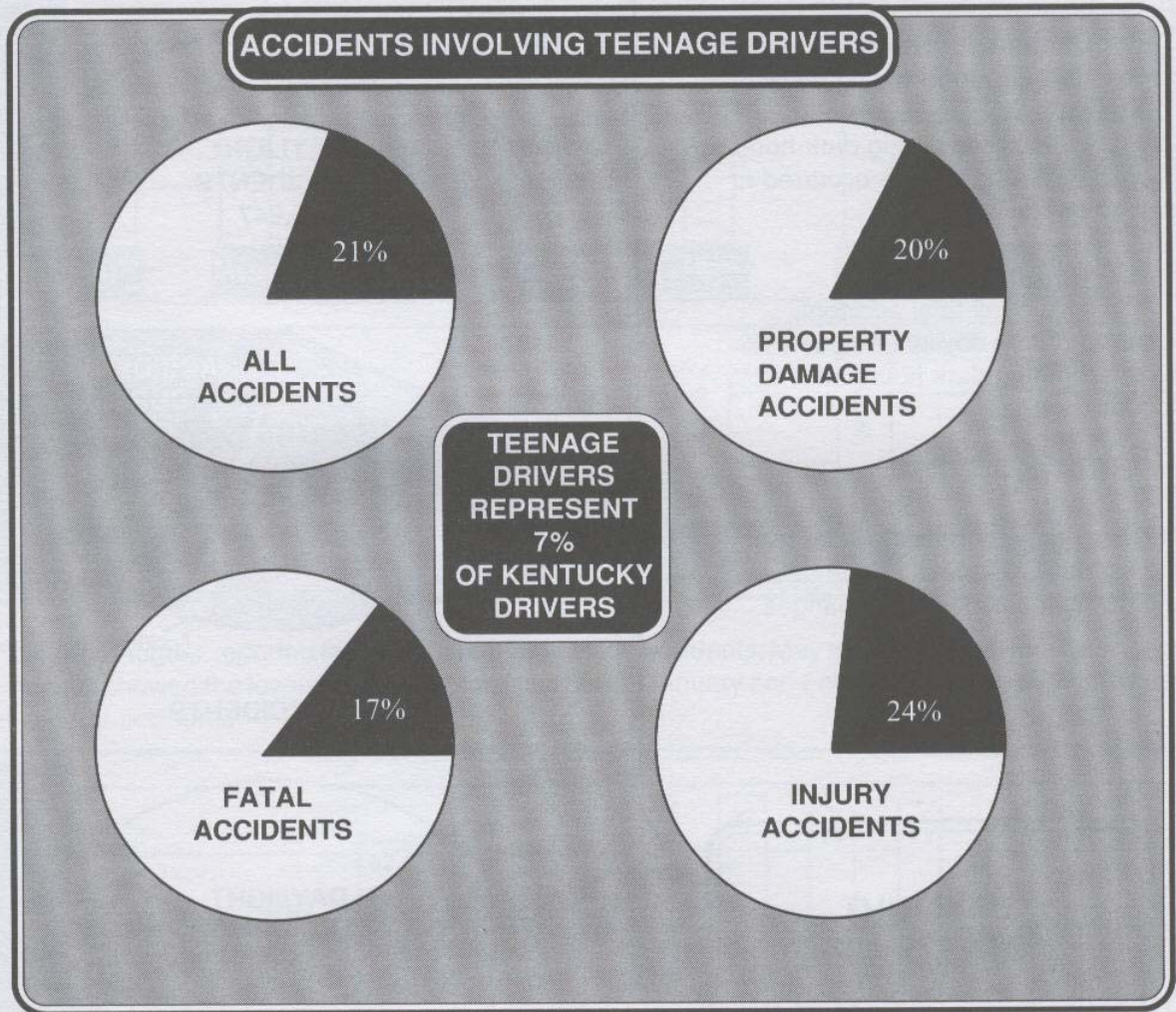
AGE OF DRIVERS (Fatal Accidents)

The chart below groups the ages of 231,381 drivers involved in 1993 fatal accidents. Percentages are based on drivers involved in fatal accidents during 1993 and includes 11 drivers whose ages were not stated on the accident report.



ACCIDENTS INVOLVING TEENAGE DRIVERS

The percentage of teenage drivers (versus other age groups) involved in 1993 accidents (by type) are shown below, irrespective of the driver at fault in the accidents reported.



The number of teenage drivers involved in accidents, together with alcohol related accidents, are shown below. It should be noted that tabulations for alcohol related accidents were derived from the total number of drinking drivers as reported by the officer at the scene. As shown 766 teenage drivers were involved in traffic accidents during 1993.

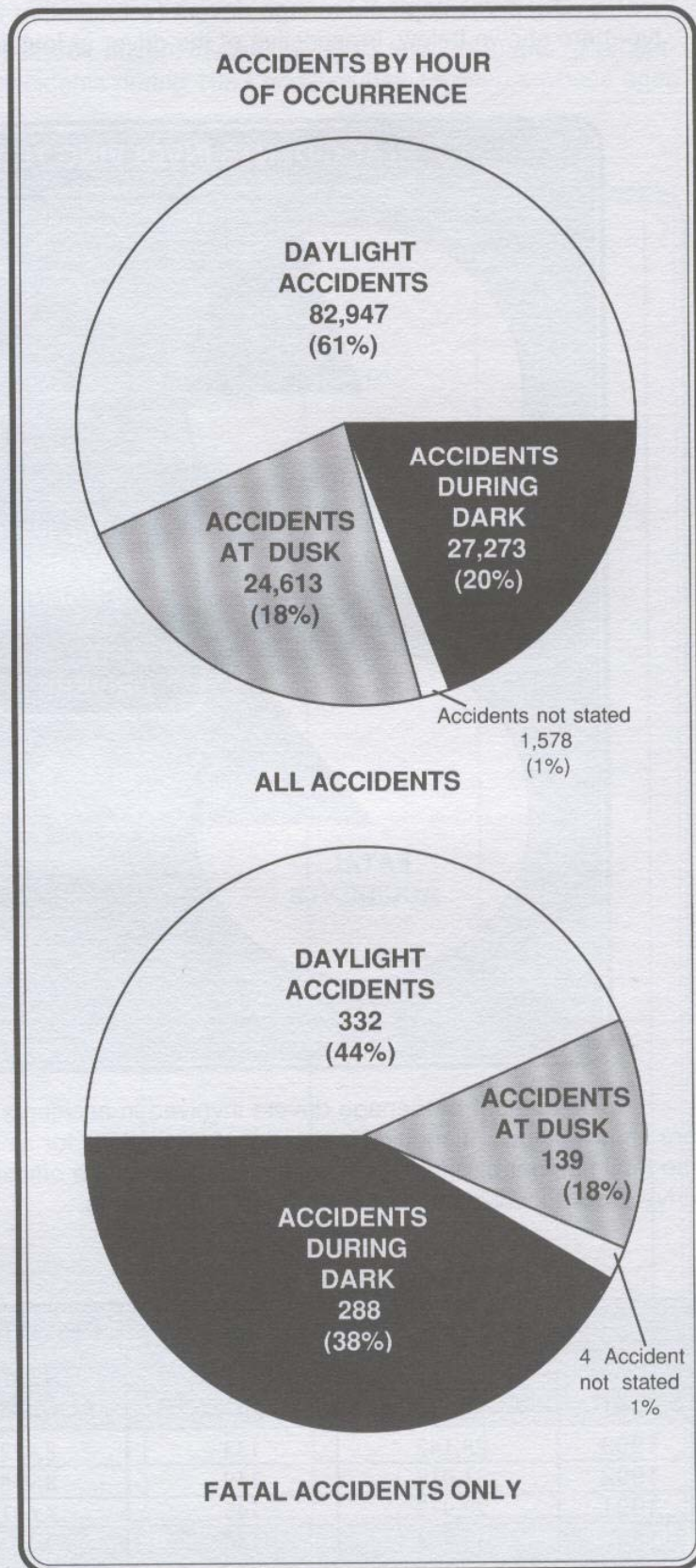
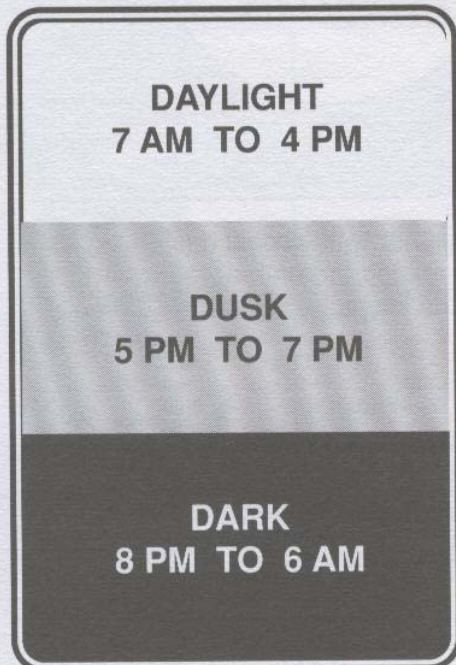
NUMBER OF TEENAGE DRIVERS INVOLVED IN					
YEAR	ALL ACCIDENTS	FATAL ACCIDENTS	INJURY ACCIDENTS	PROPERTY DAMAGE	ALCOHOL RELATED
1993	28,142	133	8,472	19,537	766
1992	31,019	159	8,938	21,922	888
1991	29,977	145	8,681	21,151	1,024
1990	32,482	146	9,282	23,054	1,670

ACCIDENTS BY HOUR OF OCCURRENCE

61% of all accidents reported during 1993 occurred during daylight hours (7 am to 4 pm). 20% of all accidents occurred during dark hours (8 pm to 6 am), and 18% occurred at dusk (5 pm to 7 pm).

44% of all fatal accidents occurred during daylight hours; 38% occurred during dark hours; and 18% at dusk.

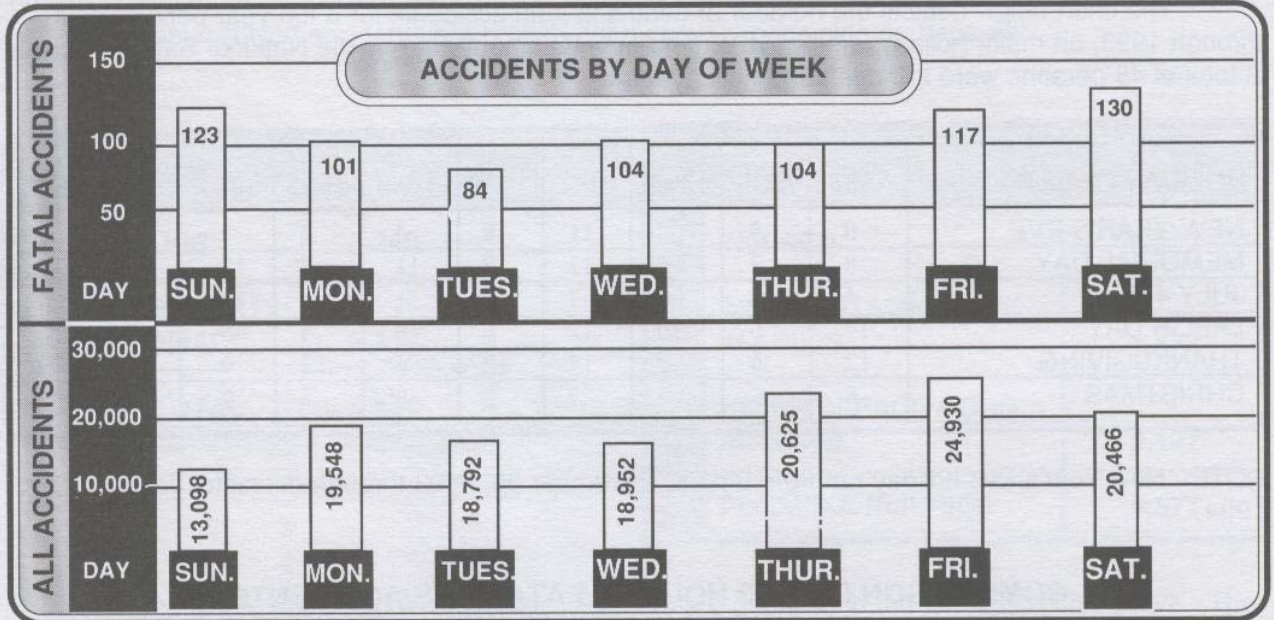
NOTE: Time categories do not take into account variances due to season and daylight savings time changes.



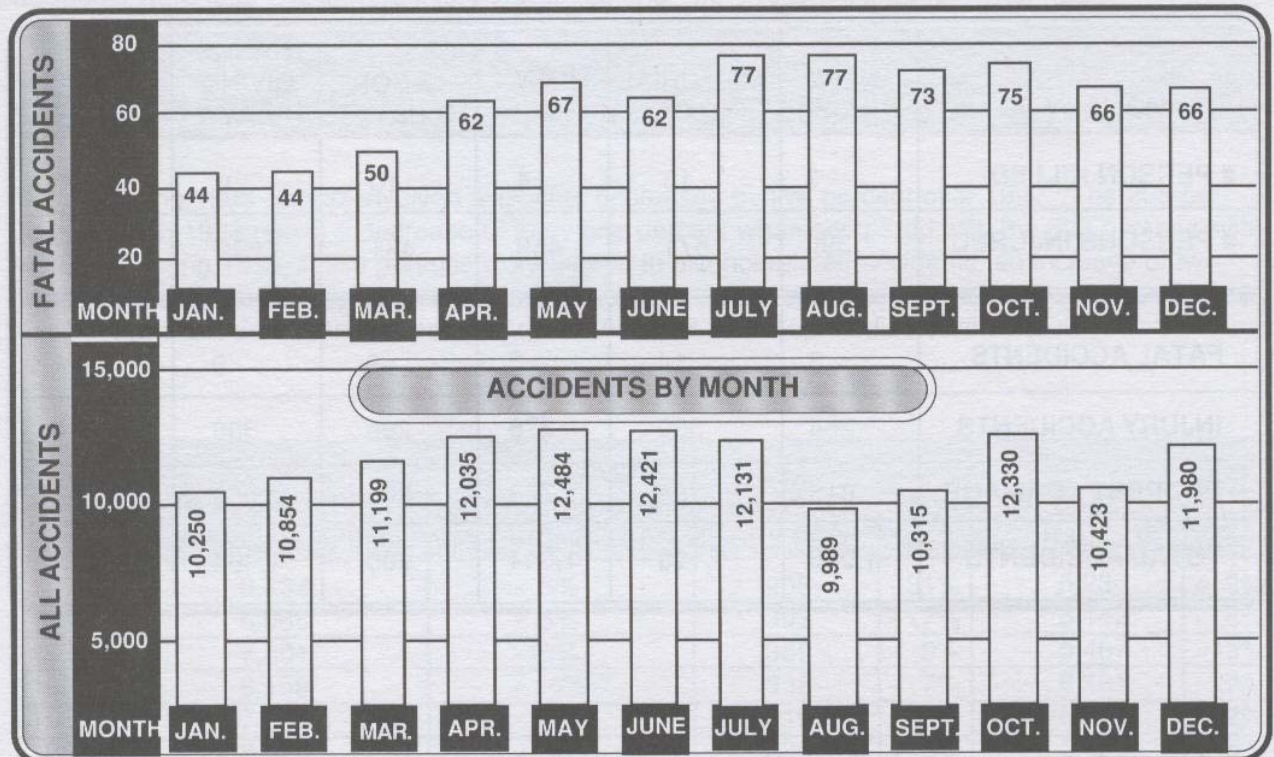
ACCIDENTS BY DAY AND MONTH

The graph below shows fatal vs. all accidents by day of occurrence.

48% of all fatal accidents occurred on weekends (Friday, Saturday and Sunday combined). 48% of all accidents occurred on Thursday, Friday and Saturday.



July and August reported the highest number of fatal accidents; May ranked highest for all accident totals. August showed the lowest number of total accidents. January and February showed the lowest number of fatal accidents.



HOLIDAY ACCIDENTS

HOLIDAY DEATH TOLL

The chart below depicts the number of deaths in fatal accidents for a ten year period, 1984 through 1993, on major holidays (inclusive of time periods established by the National Safety Council). A total of 48 persons were killed in 1993 holiday fatalities.

HOLIDAY (Total Deaths)	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
NEW YEAR'S EVE	9	5	7	11	4	4	2	2	16	3
MEMORIAL DAY	8	3	6	12	8	11	4	12	7	15
JULY 4TH	4	11	6	7	12	11	5	17	14	4
LABOR DAY	14	6	10	12	6	8	4	8	5	10
THANKSGIVING	12	6	9	17	12	6	12	9	6	9
CHRISTMAS	8	5	4	7	8	8	7	7	14	7

NOTE: New Year's Eve holiday ran from 6 p.m., December 30, 1993 through midnight, January 1, 1994

COMPARISON OF 1993 HOLIDAY FATALITIES/ACCIDENTS

The Memorial Day holiday period registered the highest number of fatalities during 1993. The lowest number of holiday fatalities occurred over New Years holiday. The chart below shows relevant accident data for each of the 1993 holidays.

HOLIDAY	NEW YEAR'S	MEMORIAL DAY	JULY 4th	LABOR DAY	THANKS-GIVING DAY	CHRIST-MAS
# PERSON KILLED	3	15	4	10	9	7
# PERSONS INJURED	390	571	459	481	642	424
FATAL ACCIDENTS	3	14	3	9	9	7
INJURY ACCIDENTS	264	330	278	296	396	271
PROPERTY DAMAGE	813	784	763	603	1,056	769
TOTAL ACCIDENTS	1,080	1,128	1,044	908	1,464	1,047

ALCOHOL INVOLVED ACCIDENTS

An alcohol related accident is any accident where a driver was determined to have been drinking. For injury and property damage accidents, this determination is made at the scene by the investigating officer. Information regarding drinking drivers in fatal accidents is obtained from FARS, which follows up on BAC results.

Alcohol involved accidents are broken out by county beginning on page 29.

ALL ACCIDENTS	FATAL	181
	INJURY	3,240
	PROPERTY DAMAGE	3,213
	TOTAL	6,634

PERSONS KILLED/ INJURED	KILLED	208
	INJURED	5,230
	INCAPACITATING INJURIES	1,472
	NON-INCAPACITATING INJURIES	2,187
	POSSIBLE INJURIES	1,571

The total number of alcohol involved accidents are depicted in the left-hand chart above. The number of persons killed and injured in alcohol involved accidents are depicted in the right-hand chart.

6,634 alcohol involved accidents were reported during 1993. 3% of the alcohol involved accidents were fatal, 49% were injury accidents, and 48% resulted in property damage.

Comparison with previous years

During 1993 alcohol involved accidents decreased by five percent over 1992. The 208 persons killed in 1993 reflect a decrease of thirty one percent when compared with the 303 persons killed in 1992. During 1993, 5,230 persons were injured in alcohol related accidents, an increase of two percent over 1992 when 5,142 persons were injured.

Fatal accident data has been adjusted to reflect follow-up studies of drivers.

YEAR	TOTAL ACCIDENTS (Alcohol Involved)	% INCREASE/ DECREASE OVER PREVIOUS YEAR	TOTAL KILLED	(%) +/-	TOTAL INJURED	(%) +/-
1993	6,634	- 5%	208	- 31%	5,230	+ 2%
1992	6,968	- 5%	303	- 17%	5,142	- 6%
1991	7,301	-10%	365	+ 9%	5,467	- 12%
1990	8,159	- 6%	336	+ 7%	6,181	- 3%
1989	7,670	- 4%	319	- 18%	5,814	+ 2%
1988	8,014	+ 4%	389	+ 9%	5,992	+ 5%
1987	7,671	- 1%	358	+ 4%	5,879	+ 6%

SAFETY RESTRAINTS

The chart below compares vehicle occupants with and without safety restraint devices over a five year period. Clearly, more vehicle occupants are using restraints from 35% in 1989 to 63% in 1993. (Safety restraint devices include lap belt, harness, child safety seat, air bag, and other passive restraint.)

YEAR	RESTRAINED		NOT RESTRAINED		UNKNOWN	
	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL
1993	216,446	63%	112,639	33%	13,327	4%
1992	185,883	57%	134,625	41%	5,121	2%
1991	159,082	50%	146,583	46%	14,730	4%
1990	145,449	41%	192,397	54%	16,787	5%
1989	125,734	35%	218,603	60%	17,405	5%

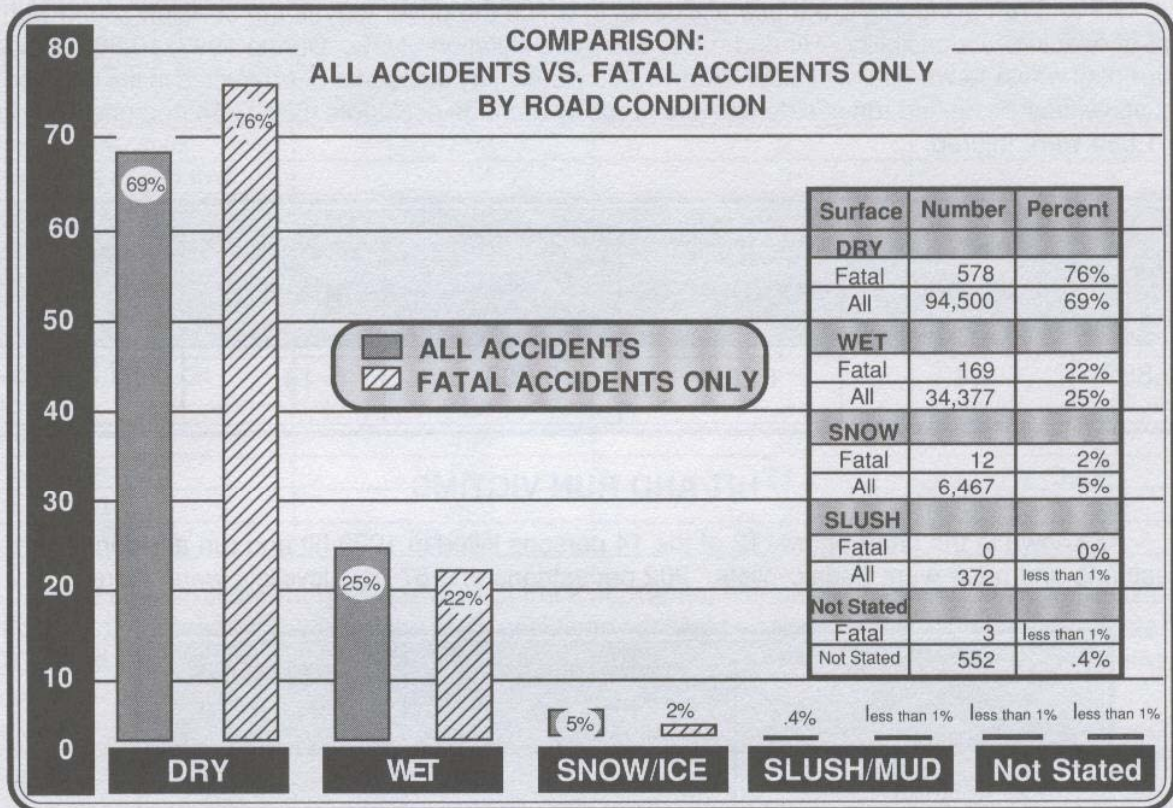
The chart below shows 1993 vehicle occupants by their injury status, and separates the occupants into categories of restraint used and restraint not used.

Overall, 15% of all vehicle occupants were killed or injured. A breakdown into restraint usage shows only 13% of those restrained were killed or injured, compared to 19% of those not restrained.

INJURY STATUS	ALL OCCUPANTS		RESTRAINT USED		RESTRAINT NOT USED	
	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL
KILLED	755	.20%	176	.1%	579	.5%
INJURED	48,090	14.6%	27,612	12.7%	20,478	18.2%
NOT INJURED	270,427	82.2%	178,961	82.7%	91,466	81.2%
UNKNOWN	9,813	3.0%	9,697	4.5%	116	.1%
TOTAL	329,085	100%	216,446	100%	112,639	100%

(Figures do not include 13,327 occupants where restraint use was unknown.)

ROAD CONDITIONS



The chart above compares fatal with all accidents for differing road conditions identified by the officer who completed the accident investigation and report.

CONTRIBUTING FACTORS

A variety of factors and conditions can contribute to an accident. Police officers may indicate up to three driver factors for each driver, up to two vehicular factors for each vehicle, and up to two environmental factors for each accident. The chart below shows the most frequently noted factors.

DRIVER FACTORS	ALL	FATAL
DRIVER INATTENTION	48,420	139
FAILURE TO YIELD	21,957	168
UNSAFE SPEED	10,155	212
ALCOHOL INVOLVEMENT	6,679	182
FOLLOWING TOO CLOSE	7,285	7
VEHICULAR FACTORS	ALL	FATAL
BRAKES DEFECTIVE	2,150	7
TIRE FAILURE/INADEQUATE	1,111	25
ENVIRONMENTAL FACTORS	ALL	FATAL
SLIPPERY SURFACE	20,430	99
VIEW OBSTRUCTED/LIMITED	6,284	56
ANIMAL ACTION	4,058	7
WATER POOLING	1,534	19
GLARE	932	6

HIT AND RUN ACCIDENTS

Hit and run accidents are those accidents in which the driver leaves the collision scene with the intent of evading responsibility. Hit and run is a serious violation of law. During 1993, 10,885 accidents occurred, of which 14 were fatal accidents and 1,263 were injury accidents. As depicted in the chart below, most of Kentucky's hit and run accidents were property damage accidents (88%). 14 persons were killed and 1,684 were injured.

TOTAL	FATAL ACCIDENTS	INJURY ACCIDENTS	PROPERTY DAMAGE ACCIDENTS	PERSONS KILLED	PERSONS INJURED
10,885	14	1,263	9,608	14	1,684

HIT AND RUN VICTIMS

As shown in the chart below, 12 of the 14 persons killed in 1993 hit and run accidents were pedestrians and none were pedalcyclists. 202 pedestrians and 67 pedalcyclists were injured.

TYPE OF VICTIM	PERSONS KILLED	PERSONS INJURED
Pedestrian	12	202
Pedalcyclist	0	67
Other	2	1,415
TOTAL	14	1,684

HIT AND RUN VICTIMS

The location of hit and run accidents are shown in the chart below. The majority of hit and run accidents (60%) occur on local streets.

CLASS OF TRAFFIC WAY	ALL HIT & RUN ACCIDENTS	FATAL ACCIDENTS	INJURY ACCIDENTS	PROPERTY DAMAGE
INTERSTATE	456	0	89	367
U.S. ROUTE	1,499	5	285	1,209
STATE ROUTE	1,940	4	409	1,527
OTHER MAJOR ARTERIAL	16	0	5	11
COUNTY ROADS	403	1	44	358
LOCAL STREETS	6,571	4	431	6,136
TOTAL	10,885	14	1,263	9,608

TRUCK ACCIDENTS

Vehicular factors, as noted by the investigating officer on the accident report, are shown below for accidents involving trucks. Up to two factors may be noted for each vehicle in the accident.

VEHICULAR FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS	NON-FATAL INJURY ACCIDENTS
Brakes Defective	252	2	84
Headlights Defective	4	0	1
Other Lighting Defects	34	0	10
Steering Failure	24	0	7
Tire Failure/Inadequate	120	3	33
Tow Hitch Defective	33	1	1
Over or Improper Load	80	2	13
Oversized Load on Vehicle	68	0	6
Other	494	8	94
None Detected	16,566	193	3,625
Not Stated	666	6	48
TOTAL	18,341	215	3,922

The charts below show the number of truck accidents, and those truck accidents with hazardous cargo, by type of roadway. 27% of the truck accidents occurred on local streets; 15% on Interstates; 51% on U.S. and State numbered routes. 17% of the hazardous cargo accidents occurred on Interstates, and 6% on U.S. and State numbered routes.

Type of Roadway	ALL TRUCK ACCIDENTS				TRUCKS WITH HAZARDOUS CARGO			
	Fatal Accidents	Non-fatal Accidents	Property Damage	TOTAL	Fatal Accidents	Non-fatal Accidents	Property Damage	TOTAL
Interstate	22	361	1,112	1,495	1	8	28	37
U.S. Route	29	588	1,736	2,353	0	24	40	64
State Route	39	731	1,776	2,546	1	17	47	65
Other Major Arterial	6	51	135	192	0	3	4	7
County	1	65	414	480	0	4	35	39
Local	2	208	2,405	2,615	0	1	2	3
TOTAL	99	2,004	7,578	9,681	2	57	156	215

The residence of drivers involved in truck accidents are shown below. 24 % of the drivers were non-residents of Kentucky, with 20 % of the drivers involved in fatal accidents non-residents and 22% of the drivers involved in injury accidents non-residents.

RESIDENCE OF DRIVERS IN TRUCK ACCIDENTS	ALL ACCIDENTS	FATAL ACCIDENTS	INJURY ACCIDENTS
Local Resident	11,605	156	2,785
Other Kentucky Driver	775	9	174
Non-Resident Driver (out of state)	4,050	41	832
Not Stated	348	2	27
TOTAL	16,778	208	3,818

PEDESTRIAN ACCIDENTS

PEDESTRIAN ACTION	PEDESTRIANS KILLED AND INJURED BY AGE										
	Pedestrians Killed	Killed and/or injured	0-4	5-9	10-14	15-19	20-24	25-44	45-64	65-Up	Not Stated
At Intersection	2	73	1	4	8	9	5	23	9	13	1
Crossing With Signal	1	53	1	2	6	6	1	14	12	8	3
Crossing Against Signal	1	50	1	4	10	10	2	15	4	3	1
Not at Intersection	6	186	6	20	20	21	20	54	24	17	4
Getting On or Off Vehicle	1	50	2	4	5	8	10	8	6	6	1
Emerging From Parked Vehicle	1	37	2	1	2	6	9	9	4	4	0
Walking in Roadway	12	224	10	9	29	37	31	50	27	25	6
Playing in Roadway	1	33	9	5	13	6	0	0	0	0	0
Working in Roadway	2	54	0	0	1	5	4	24	14	3	3
Not in Roadway	11	172	14	7	14	17	15	44	33	19	9
Laying in Roadway	2	13	3	0	1	1	1	5	2	0	0
Darting into Roadway	11	332	41	136	75	22	9	31	7	7	4
Pedestrian Drinking	4	42	1	0	0	4	5	21	10	1	0
Pedestrian Drug Related	1	1	0	0	0	0	1	0	0	0	0
Pedestrian Jogging	1	10	0	0	0	0	4	4	2	0	0
Physical Impairment	0	1	0	0	0	0	0	0	1	0	0
Dark Clothing/Not Visible	5	15	0	0	0	1	1	8	3	2	0
In Crosswalk	3	42	1	0	2	6	1	16	8	6	2
Totals	65	1,388	92	192	186	159	119	326	166	114	34

PEDESTRIAN ACTION	VEHICLE ACTION							
	Straight	Over-Taking	Right Turn	Left Turn	U-Turn	Backing	Other	Total
At Intersection	39	1	5	14	0	2	22	83
Crossing With Signal	15	0	12	22	0	1	7	57
Crossing Against Signal	43	0	1	2	0	0	2	48
Not at Intersection	134	0	4	7	0	22	31	198
Getting On or Off Vehicle	22	1	2	2	0	5	35	67
Emerging From Parked Vehicle	17	0	1	0	0	3	19	40
Walking in Roadway	168	3	4	8	1	26	35	245
Playing in Roadway	22	0	2	1	0	3	9	37
Working in Roadway	31	1	1	5	0	9	33	80
Not in Roadway	58	1	2	9	0	46	68	184
Laying in Roadway	7	0	0	0	0	2	4	13
Darting into Roadway	323	3	3	0	0	1	24	354
Pedestrian Drinking	27	0	1	1	0	7	7	43
Pedestrian Drug Related	2	0	0	0	0	0	0	2
Pedestrian Jogging	6	0	2	1	0	0	1	10
Physical Impairment	0	0	0	0	0	1	0	1
Dark Clothing/Not Visible	12	0	0	0	0	2	2	16
In Crosswalk	19	0	7	11	0	0	6	43
Totals	945	10	47	83	1	130	305	1,521

65 Pedestrians were killed and 1,388 were injured in 1993 traffic accidents. The charts above depict ages of pedestrian accident victims and the actions of the pedestrian vs. the vehicle at the time of the accident. 34% of the pedestrians killed or injured were 14 years of age or younger, 2% were age 65 and older.



CONTRIBUTING FACTORS

CONTRIBUTING FACTORS

ACCIDENTS INVOLVING PEDESTRIANS	
FATAL ACCIDENTS:	65
INJURY ACCIDENTS:	1,259
TOTAL KILLED:	66
TOTAL INJURED:	1,429

PEDESTRIAN ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	55	4
Failed to Yield Right of Way	74	2
Following Too Close	1	1
Improper Passing	11	1
Disregard of Traffic Controls	16	0
Turning Improperly	3	0
Alcohol Involvement	55	5
Drug Involvement	3	1
Sick	1	0
Fell Asleep	6	2
Lost Consciousness	1	0
Driver Inattention	228	6
Distraction	22	1
Physical Disability	4	0
Other	170	11
None Detected	764	37
Not Stated	161	11
TOTALS	1,575	82

ACCIDENTS INVOLVING SCHOOL AGE CHILDREN	
FATAL ACCIDENTS:	89
INJURY ACCIDENTS:	3,458
TOTAL KILLED:	115
TOTAL INJURED:	8,557

SCHOOL AGE CHILDREN ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	400	16
Failed to Yield Right of Way	640	25
Following Too Close	150	0
Improper Passing	30	0
Disregard of Traffic Controls	147	4
Turning Improperly	37	1
Alcohol Involvement	178	15
Drug Involvement	12	1
Sick	3	0
Fell Asleep	32	3
Lost Consciousness	7	1
Driver Inattention	1,030	17
Distraction	91	2
Physical Disability	11	0
Other	393	12
None Detected	3,190	79
Not Stated	167	5
TOTALS	6,520	181

ACCIDENTS INVOLVING SCHOOL BUSES	
FATAL ACCIDENTS:	174
INJURY ACCIDENTS:	47
TOTAL KILLED:	1
TOTAL INJURED:	68

SCHOOL BUS ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	44	0
Failed to Yield Right of Way	98	1
Following Too Close	20	0
Improper Passing	9	0
Disregard of Traffic Controls	13	0
Turning Improperly	17	0
Alcohol Involvement	8	0
Drug Involvement	2	0
Sick	0	0
Fell Asleep	1	0
Lost Consciousness	0	0
Driver Inattention	320	0
Distraction	11	0
Physical Disability	2	0
Other	126	0
None Detected	728	1
Not Stated	82	0
TOTALS	1,481	2

NOTE: Driver contributing factors are based upon officers' observations at the scene. Up to three driver factors may be noted for each driver involved.

CONTRIBUTING FACTORS (CONT'D)

ACCIDENTS INVOLVING TRAINS	
FATAL ACCIDENTS:	6
INJURY ACCIDENTS:	39
TOTAL KILLED:	6
TOTAL INJURED:	51

TRAIN ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	3	0
Failed to Yield Right of Way	26	4
Following Too Close	0	0
Improper Passing	0	0
Disregard of Traffic Controls	17	2
Turning Improperly	0	0
Alcohol Involvement	7	0
Drug Involvement	1	0
Sick	0	0
Fell Asleep	0	0
Lost Consciousness	0	0
Driver Inattention	33	2
Distraction	1	0
Physical Disability	2	1
Other	14	0
None Detected	5	0
Not Stated	3	0
TOTALS	112	9

ACCIDENTS INVOLVING BICYCLES	
FATAL ACCIDENTS:	8
INJURY ACCIDENTS:	595
TOTAL KILLED:	8
TOTAL INJURED:	624

BICYCLE ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	10	0
Failed to Yield Right of Way	41	0
Following Too Close	3	0
Improper Passing	6	0
Disregard of Traffic Controls	6	0
Turning Improperly	2	0
Alcohol Involvement	7	0
Drug Involvement	0	0
Sick	0	0
Fell Asleep	1	0
Lost Consciousness	0	0
Driver Inattention	73	1
Distraction	1	0
Physical Disability	0	0
Other	43	1
None Detected	477	6
Not Stated	64	0
TOTALS	734	8

ACCIDENTS INVOLVING MOPEDS	
FATAL ACCIDENTS:	3
INJURY ACCIDENTS:	60
TOTAL KILLED:	3
TOTAL INJURED:	76

MOPED ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	8	0
Failed to Yield Right of Way	20	2
Following Too Close	2	0
Improper Passing	3	0
Disregard of Traffic Controls	10	2
Turning Improperly	2	0
Alcohol Involvement	9	0
Drug Involvement	1	0
Sick	0	0
Fell Asleep	0	0
Lost Consciousness	0	0
Driver Inattention	27	0
Distraction	1	0
Physical Disability	1	0
Other	12	0
None Detected	59	2
Not Stated	8	1
TOTALS	163	7

CONTRIBUTING FACTORS (CONT'D)

ACCIDENTS INVOLVING MOTORCYCLES	
FATAL ACCIDENTS:	31
INJURY ACCIDENTS:	713
TOTAL KILLED:	33
TOTAL INJURED:	879

MOTORCYCLE ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	161	12
Failed to Yield Right of Way	165	7
Following Too Close	33	0
Improper Passing	20	1
Disregard of Traffic Controls	12	0
Turning Improperly	19	0
Alcohol Involvement	90	10
Drug Involvement	2	0
Sick	1	0
Fell Asleep	1	0
Lost Consciousness	3	0
Driver Inattention	249	6
Distraction	13	0
Physical Disability	2	0
Other	140	5
None Detected	610	14
Not Stated	68	2
TOTALS	1,590	57

ACCIDENTS INVOLVING MULTIPLE FATALS	
FATAL ACCIDENTS:	82
INJURY ACCIDENTS:	0
TOTAL KILLED:	194
TOTAL INJURED:	124

MULTIPLE FATAL ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	25	25
Failed to Yield Right of Way	25	25
Following Too Close	1	1
Improper Passing	1	1
Disregard of Traffic Controls	4	4
Turning Improperly	2	2
Alcohol Involvement	21	21
Drug Involvement	0	0
Sick	0	0
Fell Asleep	3	3
Lost Consciousness	1	1
Driver Inattention	13	13
Distraction	3	3
Physical Disability	0	0
Other	13	13
None Detected	61	61
Not Stated	4	4
TOTALS	178	178

ACCIDENTS INVOLVING TRUCKS	
FATAL ACCIDENTS:	99
INJURY ACCIDENTS:	2,004
TOTAL KILLED:	116
TOTAL INJURED:	2,930

TRUCK ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	591	22
Failed to Yield Right of Way	1,381	28
Following Too Close	391	1
Improper Passing	160	6
Disregard of Traffic Controls	186	3
Turning Improperly	368	2
Alcohol Involvement	210	3
Drug Involvement	9	0
Sick	9	0
Fell Asleep	109	7
Lost Consciousness	12	1
Driver Inattention	3,693	26
Distraction	176	3
Physical Disability	22	0
Other	1,664	17
None Detected	9,032	109
Not Stated	966	11
TOTALS	18,995	240



ACCIDENTS BY COUNTY

ACCIDENTS BY COUNTY

1992 vs. 1993

COUNTY	ACCIDENTS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993
Adair	580	530	3	6	139	151	438	373	3	6	217	235
Allen	514	485	3	3	157	181	354	301	3	3	258	285
Anderson	429	378	1	4	117	108	311	266	1	5	179	168
Ballard	240	203	4	4	72	60	164	139	4	4	101	87
Barren	1,313	1,266	11	7	349	350	953	909	16	7	576	583
Bath	339	322	3	3	103	95	233	224	3	4	149	143
Bell	888	847	9	9	241	223	638	615	10	11	408	373
Boone	3,467	3,162	12	7	776	796	2,679	2,359	13	8	1,226	1,191
Bourbon	767	761	9	3	212	185	546	573	10	4	344	281
Boyd	2,280	1,909	8	9	523	435	1,749	1,465	10	11	756	681
Boyle	1,014	1,070	4	7	236	270	774	793	4	7	341	429
Bracken	214	225	4	1	49	45	161	179	4	1	87	72
Breathitt	458	433	4	5	187	175	267	253	4	7	357	305
Breckinridge	300	378	3	8	127	133	170	237	3	8	222	237
Bullitt	1,392	1,307	14	12	425	431	953	864	16	13	635	701
Butler	288	324	5	2	78	108	205	214	5	2	123	169
Caldwell	425	451	5	3	92	93	328	355	6	3	140	143
Calloway	342	351	6	3	121	133	215	215	6	5	198	189
Campbell	3,045	2,788	11	5	661	641	2,373	2,142	11	5	927	919
Carlisle	40	68	2	5	10	21	28	42	2	5	17	29
Carroll	472	471	3	10	106	108	363	353	5	13	154	181
Carter	706	600	9	7	188	163	509	430	9	10	308	269
Casey	216	172	2	6	91	64	123	102	2	6	132	100
Christian	2,319	1,957	14	15	547	489	1,758	1,453	16	18	839	734
Clark	1,146	1,128	7	9	268	283	871	836	7	9	372	434
Clay	497	385	4	11	175	136	318	238	8	11	288	268
Clinton	267	283	4	3	65	81	198	199	4	4	97	130
Crittenden	230	237	2	1	57	79	171	157	5	1	72	106
Cumberland	166	125	0	0	45	31	121	94	0	0	75	45
Daviess	3,919	3,932	14	8	831	948	3,074	2,976	14	8	1,242	1,390
Edmonson	284	253	1	4	79	88	204	161	1	9	133	146
Elliott	85	80	2	2	45	43	38	35	2	2	73	83
Estill	394	369	3	2	120	130	271	237	3	2	183	206
Fayette	12,407	12,074	24	31	2,568	2,638	9,815	9,405	26	34	3,744	3,865
Fleming	327	301	2	4	81	76	244	221	2	4	139	112
Floyd	1,369	1,223	14	18	560	535	795	670	15	21	895	910
Franklin	1,967	1,652	8	6	410	365	1,549	1,281	8	7	602	583
Fulton	303	257	3	1	75	62	225	194	3	1	111	95
Gallatin	203	198	1	3	70	71	132	124	1	3	117	105
Garrard	246	262	2	2	76	86	168	174	2	2	127	152

ACCIDENTS BY COUNTY

1992 vs. 1993

COUNTY	ACCIDENTS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993
Grant	805	674	4	5	197	213	604	456	4	6	311	355
Graves	1,115	1,062	8	10	279	288	828	764	8	13	420	451
Grayson	779	724	11	6	191	222	577	496	11	6	313	370
Green	292	251	2	0	77	94	213	157	2	0	128	152
Greenup	887	841	6	3	242	237	639	601	6	3	390	375
Hancock	162	169	1	2	66	55	95	112	3	3	103	72
Hardin	3,039	2,895	16	7	660	665	2,363	2,223	21	9	1,013	1,072
Harlan	943	866	8	5	313	287	622	574	9	5	498	445
Harrison	601	540	5	3	138	130	458	407	7	3	217	177
Hart	470	507	7	4	118	132	345	371	7	4	198	227
Henderson	2,096	2,227	9	11	538	568	1,549	1,648	10	11	842	870
Henry	456	396	3	2	125	127	328	267	3	2	190	210
Hickman	95	90	3	2	42	40	50	48	3	2	68	70
Hopkins	2,051	1,903	7	6	445	446	1,599	1,451	10	6	640	658
Jackson	190	227	3	4	66	91	121	132	3	4	111	145
Jefferson	29,812	29,564	50	71	6,181	6,447	23,581	23,046	54	79	8,955	9,435
Jessamine	1,185	1,143	3	8	277	287	905	848	3	10	415	435
Johnson	610	664	7	8	206	240	397	416	11	11	341	435
Kenton	5,797	6,423	9	9	1,228	1,490	4,560	4,924	9	9	1,775	2,130
Knott	360	343	7	4	160	160	193	179	8	4	247	246
Knox	763	649	10	10	247	242	506	397	12	12	400	426
Larue	402	315	2	3	138	91	262	221	2	3	219	133
Laurel	1,477	1,422	10	17	397	452	1,070	953	10	19	651	743
Lawrence	300	302	5	2	94	112	201	188	5	2	158	173
Lee	159	124	1	1	38	40	120	83	1	1	56	80
Leslie	135	224	0	3	60	96	75	125	0	3	108	162
Letcher	623	620	5	7	219	228	399	385	6	9	364	393
Lewis	304	284	0	2	86	87	218	195	0	2	130	131
Lincoln	514	553	5	4	173	184	336	365	9	5	301	304
Livingston	211	205	2	4	66	80	143	121	2	4	91	115
Logan	803	706	9	5	209	197	585	504	9	5	339	304
Lyon	221	209	2	6	58	63	161	140	4	6	95	94
McCracken	3,430	3,466	5	18	840	879	2,585	2,569	7	18	1,237	1,315
McCreary	280	227	9	4	86	77	185	146	10	4	161	138
McLean	184	218	4	6	65	57	115	155	4	7	93	94
Madison	2,776	2,578	11	9	631	609	2,134	1,960	11	11	975	931
Magoffin	281	245	5	4	136	127	140	114	6	5	259	228
Marion	531	544	3	5	165	171	363	368	3	5	267	278
Marshall	733	782	12	4	12	248	501	530	13	4	332	389
Martin	386	306	4	3	4	116	226	187	4	3	255	193

ACCIDENTS BY COUNTY

1992 vs. 1993

COUNTY	ACCIDENTS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993
Mason	1,023	1,003	6	5	198	232	819	766	7	6	315	341
Meade	507	513	7	5	148	176	352	332	7	6	253	305
Menifee	94	100	0	5	38	44	56	51	0	6	65	66
Mercer	747	717	2	2	187	209	558	506	2	2	309	316
Metcalfe	174	204	4	2	35	58	135	144	6	2	60	94
Monroe	195	202	5	4	51	66	139	132	5	4	80	105
Montgomery	724	750	4	5	210	213	510	532	4	7	339	333
Morgan	314	266	4	0	118	117	192	149	6	0	185	163
Muhlenberg	1,118	1,012	4	6	314	301	800	705	6	7	506	500
Nelson	1,074	1,046	14	5	250	290	810	751	16	6	429	444
Nicholas	142	124	0	2	38	29	104	93	0	2	52	47
Ohio	600	641	8	9	217	229	375	403	9	15	347	359
Oldham	874	913	3	3	229	270	642	640	3	3	356	415
Owen	264	229	4	3	97	94	163	132	5	4	150	132
Owsley	103	86	2	1	40	38	61	47	2	1	70	62
Pendleton	319	303	1	6	97	98	221	199	1	6	161	159
Perry	1,190	1,134	14	9	384	410	792	715	15	11	589	651
Pike	2,579	2,330	27	21	885	911	1,667	1,398	32	23	1,397	1,542
Powell	286	280	4	2	92	88	190	190	5	2	150	134
Pulaski	1,830	1,779	11	8	452	503	1,367	1,268	12	8	742	838
Robertson	22	8	0	1	7	3	15	4	0	1	8	3
Rockcastle	468	460	11	14	150	151	307	295	13	17	264	316
Rowan	951	822	3	5	222	237	726	580	3	5	353	389
Russell	480	407	0	6	124	106	356	295	0	7	185	163
Scott	1,261	1,247	5	10	273	302	983	935	5	13	413	466
Shelby	1,149	1,099	7	9	288	297	854	793	8	11	445	469
Simpson	588	544	6	5	154	135	428	404	6	5	242	208
Spencer	174	131	0	2	69	55	105	74	0	4	101	81
Taylor	817	788	3	4	199	194	615	590	3	5	326	296
Todd	309	267	3	3	89	90	217	174	3	3	134	151
Trigg	377	366	5	7	99	104	273	255	6	13	156	160
Trimble	157	172	2	1	46	52	109	119	4	1	62	79
Union	485	465	2	2	141	129	342	334	2	3	204	204
Warren	4,502	4,160	10	15	1,153	1,102	3,339	3,043	14	16	1,766	1,666
Washington	305	303	3	3	73	87	229	213	4	5	111	134
Wayne	486	509	4	7	130	139	352	363	4	9	203	209
Webster	407	382	4	5	122	106	281	271	4	8	175	159
Whitley	986	977	10	14	252	308	724	655	11	14	445	563
Wolfe	202	213	4	4	71	84	127	125	4	4	123	138
Woodford	812	754	3	7	184	176	625	571	5	8	267	257
TOTALS (State)	141,211	136,411	722	763	34,691	35,718	105,798	99,930	819	875	53,168	55,205

1992 vs. 1993

ACCIDENTS INVOLVING DRINKING DRIVERS

6,634 accidents in which a driver was known to have been drinking were reported during 1993. A breakdown of accidents (fatal, non-fatal injury, and property damage), by county, for 1992 vs. 1993, is shown below and on the following pages. The number of persons killed and injured in these accidents is also shown. Please note that figures for non-fatal injury accidents, property damage accidents, and persons injured are tabulated based on the investigating officer's determination that a driver was drinking. Information regarding drinking drivers in fatal accidents is obtained from FARS; which follows up on BAC test results.

COUNTY	ACCIDENTS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993
Adair	28	32	1	4	12	13	15	15	1	4	21	22
Allen	29	42	0	1	21	28	8	13	0	1	35	46
Anderson	24	21	0	1	11	11	13	9	0	1	14	22
Ballard	17	15	1	1	6	5	10	9	1	1	6	7
Barren	45	44	4	1	20	19	21	24	5	1	29	34
Bath	17	24	1	1	12	15	4	8	1	1	25	23
Bell	42	53	2	1	21	27	19	25	2	1	42	55
Boone	126	123	3	3	57	60	66	60	4	3	84	81
Bourbon	44	39	2	0	18	22	24	17	3	0	30	28
Boyd	83	79	1	3	42	35	40	41	1	4	56	52
Boyle	27	38	1	0	18	17	8	21	1	0	27	25
Bracken	12	10	2	0	3	5	7	5	2	0	8	6
Breathitt	47	31	2	2	26	16	19	13	2	3	52	26
Breckinridge	24	21	0	6	20	10	4	5	0	6	38	19
Bullitt	101	76	4	2	46	54	51	20	4	2	80	88
Butler	10	11	0	1	5	4	5	6	0	1	8	6
Caldwell	21	16	0	1	12	7	9	8	0	1	18	12
Calloway	38	43	1	2	21	26	16	15	1	4	34	33
Campbell	134	147	3	1	60	58	71	88	3	1	88	81
Carlisle	3	2	0	0	3	2	0	0	0	0	4	3
Carroll	35	44	1	5	15	19	19	20	1	7	19	41
Carter	34	29	2	2	18	18	14	9	2	4	31	35
Casey	6	23	0	3	4	10	2	10	0	3	4	17
Christian	138	93	3	3	68	38	67	52	4	3	106	62
Clark	75	77	1	3	33	32	41	42	1	3	52	48
Clay	30	24	0	1	19	12	11	11	0	1	26	29
Clinton	20	21	2	1	9	11	9	9	2	1	14	18
Crittenden	8	10	0	0	3	9	5	1	0	0	4	13
Cumberland	7	6	0	0	6	5	1	1	0	0	8	6
Daviess	215	183	2	0	88	81	125	102	2	0	149	113
Edmonson	20	16	0	0	11	9	9	7	0	0	17	10
Elliott	10	14	1	0	5	10	4	4	1	0	10	22
Estill	18	20	1	1	10	11	7	8	1	1	14	16
Fayette	544	494	2	4	212	215	330	275	2	4	797	335
Fleming	21	9	0	1	9	5	12	3	0	1	10	12
Floyd	107	82	4	2	65	50	38	30	5	2	95	90
Franklin	103	93	2	1	39	38	62	54	2	1	58	47
Fulton	12	13	1	1	6	7	5	5	1	1	9	7
Gallatin	15	23	1	0	5	13	9	10	1	0	5	20
Garrard	15	19	1	2	7	7	7	10	1	2	10	13

1992 vs. 1993 ACCIDENTS INVOLVING DRINKING DRIVERS

COUNTY	ACCIDENTS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993
Grant	29	37	0	0	16	19	13	18	0	0	29	25
Graves	53	48	1	2	28	26	24	20	1	2	39	47
Grayson	40	38	4	0	21	26	15	12	4	0	37	37
Green	6	11	1	0	2	6	3	5	1	0	3	7
Greenup	40	46	0	2	23	24	17	20	0	2	38	51
Hancock	12	12	0	0	10	6	2	6	0	0	18	11
Hardin	99	108	1	2	45	35	53	71	1	3	72	57
Harlan	66	37	2	0	41	24	23	13	3	0	66	39
Harrison	27	38	0	1	13	11	14	26	0	1	15	19
Hart	30	28	1	1	18	10	11	17	1	1	22	19
Henderson	113	123	0	2	44	56	69	65	0	2	53	86
Henry	36	23	1	1	19	12	16	10	1	1	27	16
Hickman	6	12	0	1	6	9	0	2	0	1	13	20
Hopkins	98	75	0	0	44	39	54	36	0	0	65	65
Jackson	12	15	1	1	8	12	3	2	1	1	19	19
Jefferson	1,254	1,237	15	20	531	565	708	652	16	24	786	903
Jessamine	50	64	0	0	20	29	30	35	0	0	27	42
Johnson	19	42	1	1	13	28	5	13	1	2	20	47
Kenton	344	303	0	1	124	128	220	174	0	1	192	192
Knott	27	35	1	2	17	25	9	8	1	2	27	45
Knox	41	44	2	4	23	24	16	16	3	6	31	41
Larue	21	15	0	0	10	12	11	3	0	0	19	24
Laurel	80	64	4	3	40	40	36	21	4	3	78	67
Lawrence	23	20	1	0	14	14	8	6	1	0	21	21
Lee	7	7	0	0	4	7	3	0	0	0	4	26
Leslie	14	24	0	1	8	15	6	8	0	1	17	30
Letcher	30	26	0	1	17	14	13	11	0	1	23	24
Lewis	26	18	0	1	13	9	13	8	0	1	18	11
Lincoln	35	26	0	2	22	18	13	6	0	2	32	29
Livingston	9	9	0	1	5	6	4	2	0	1	7	6
Logan	36	33	3	0	23	22	10	11	3	0	48	29
Lyon	15	5	1	0	8	1	6	4	1	0	12	1
McCracken	162	183	1	2	68	70	93	111	1	2	116	105
McCreary	23	28	2	1	12	13	9	14	2	1	27	28
McLean	20	17	1	2	14	11	5	4	1	2	18	19
Madison	158	134	2	4	61	50	95	80	2	5	114	69
Magoffin	30	22	1	1	22	17	7	4	1	1	30	28
Marion	49	64	2	1	29	35	18	28	2	1	45	57
Marshall	32	33	3	0	18	20	11	13	4	0	34	28
Martin	17	14	0	0	10	6	7	8	0	0	21	10

1992 vs. 1993 ACCIDENTS INVOLVING DRINKING DRIVERS

COUNTY	ACCIDENTS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993
Mason	46	50	1	0	13	25	32	25	1	0	31	42
Meade	46	38	2	1	20	21	24	16	2	2	34	38
Menifee	11	10	0	2	9	7	2	1	0	2	21	11
Mercer	39	39	1	1	19	16	19	22	1	1	37	31
Metcalfe	9	9	1	1	4	4	4	4	1	1	4	9
Monroe	8	12	0	1	3	6	5	5	0	1	4	15
Montgomery	45	35	1	1	18	19	26	15	1	2	32	38
Morgan	21	21	0	0	14	14	7	7	0	0	19	19
Muhlenberg	64	36	2	0	36	22	26	14	3	0	74	35
Nelson	54	64	0	0	34	26	20	38	0	0	52	36
Nicholas	7	7	0	0	6	3	1	4	0	0	7	5
Ohio	40	24	2	1	27	20	11	3	2	3	38	32
Oldham	28	42	0	1	19	26	9	15	0	1	40	48
Owen	17	17	0	1	8	7	9	9	0	2	11	8
Owsley	15	4	2	1	8	0	5	3	2	1	13	1
Pendleton	19	27	0	1	13	18	6	8	0	1	21	32
Perry	89	68	4	2	51	44	34	22	5	2	85	64
Pike	137	125	6	10	67	66	64	49	6	11	97	117
Powell	17	17	0	1	8	9	9	7	0	1	12	15
Pulaski	59	70	1	1	29	35	29	34	1	1	48	79
Robertson	2	1	0	0	1	1	1	0	0	0	1	1
Rockcastle	19	25	3	5	7	11	9	9	4	6	13	22
Rowan	50	45	1	1	20	22	29	22	1	1	36	33
Russell	22	20	0	2	14	10	8	8	0	2	17	19
Scott	48	55	0	2	22	29	26	24	0	4	34	46
Shelby	45	46	4	1	22	21	19	24	5	1	43	31
Simpson	29	21	2	3	14	8	13	10	2	3	21	14
Spencer	19	14	0	1	12	7	7	6	0	1	26	9
Taylor	26	30	1	0	10	16	15	14	1	0	15	22
Todd	24	15	1	2	9	10	14	3	1	2	14	20
Trigg	23	15	0	2	11	7	12	6	0	2	16	12
Trimble	13	8	0	0	6	4	7	4	0	0	8	6
Union	29	23	1	0	14	12	14	11	1	0	26	22
Warren	192	167	1	2	95	81	96	84	2	2	133	137
Washington	12	16	1	1	7	8	4	7	2	1	11	14
Wayne	25	22	3	2	12	10	10	10	3	2	18	16
Webster	19	6	0	0	13	3	6	3	0	0	17	5
Whitley	52	52	5	5	26	30	21	17	5	5	52	57
Wolfe	9	17	1	0	3	13	5	4	1	0	4	16
Woodford	45	43	1	4	21	21	23	18	2	5	37	30
TOTALS	6,968	6,634	152	181	3,275	3,240	3,541	3,213	168	208	5,142	5,230

DRIVERS UNDER INFLUENCE OF DRUGS INVOLVED IN TRAFFIC ACCIDENTS

The following chart shows the number of drivers suspected of being under the influence of drugs involved in accidents, together with the number of persons killed and injured in those accidents. A total of drivers were suspected of being under the influence of drugs based on preliminary investigation of the officer investigating the accident. Drivers were involved in fatal accidents (persons killed) and drivers were involved in injury accidents (persons injured).

COUNTY	ALL ACCIDENTS	FATAL ACCIDENTS	INJURY ACCIDENTS	PERSONS KILLED	PERSONS INJURED
ADAIR	1	0	0	0	0
ALLEN	2	0	2	0	2
ANDERSON	2	1	0	1	4
BALLARD	1	0	0	0	0
BARREN	4	0	1	0	2
BATH	0	0	0	0	0
BELL	5	0	1	0	1
BOONE	9	0	6	0	6
BOURBON	0	0	0	0	0
BOYD	2	0	1	0	1
BOYLE	0	0	0	0	0
BRACKEN	0	0	0	0	0
BREATHITT	6	1	2	1	6
BRECKINRIDGE	2	0	2	0	3
BULLITT	2	0	1	0	1
BUTLER	0	0	0	0	0
CALDWELL	0	0	0	0	0
CALLOWAY	0	0	0	0	0
CAMPBELL	8	0	5	0	6
CARLISLE	0	0	0	0	0
CARROLL	3	0	1	0	2
CARTER	2	0	2	0	6
CASEY	1	0	1	0	2
CHRISTIAN	1	0	0	0	0
CLARK	4	0	1	0	3
CLAY	3	0	1	0	1
CLINTON	5	0	4	0	6
CRITTENDEN	1	0	1	0	1
CUMBERLAND	0	0	0	0	0
DAVISS	11	0	4	0	5
EDMONSON	1	0	0	0	0
ELLIOTT	0	0	0	0	0
ESTILL	1	0	0	0	0
FAYETTE	23	0	12	0	13
FLEMING	0	0	0	0	0
FLOYD	9	0	5	0	9
FRANKLIN	2	0	0	0	0
FULTON	1	0	0	0	0
GALLATIN	1	0	1	0	1

COUNTY	ALL ACCIDENTS	FATAL ACCIDENTS	INJURY ACCIDENTS	PERSONS KILLED	PERSONS INJURED
GARRARD	2	0	0	0	0
GRANT	1	0	1	0	3
GRAVES	2	0	2	0	2
GRAYSON	2	0	2	0	2
GREEN	0	0	0	0	0
GREENUP	2	0	1	0	1
HANCOCK	0	0	0	0	0
HARDIN	6	0	2	0	2
HARLAN	1	0	0	0	0
HARRISON	0	0	0	0	0
HART	0	0	0	0	0
HENDERSON	8	0	5	0	7
HENRY	0	0	0	0	0
HICKMAN	0	0	0	0	0
HOPKINS	4	0	3	0	6
JACKSON	0	0	0	0	0
JEFFERSON	27	1	14	1	22
JESSAMINE	2	0	0	0	0
JOHNSON	3	0	2	0	2
KENTON	23	0	7	0	14
KNOTT	1	0	1	0	1
KNOX	5	0	4	0	8
LARUE	2	0	1	0	3
LAUREL	8	0	6	0	8
LAWRENCE	4	0	3	0	5
LEE	0	0	0	0	0
LESLIE	3	0	2	0	6
LETCHER	8	0	3	0	8
LEWIS	0	0	0	0	0
LINCOLN	0	0	0	0	0
LIVINGSTON	1	0	1	0	1
LOGAN	3	0	2	0	2
LYON	0	0	0	0	0
McCRAKEN	13	0	7	0	8
McCREARY	2	0	1	0	1
McLEAN	1	0	1	0	1
MADISON	5	0	2	0	3
MAGOFFIN	4	0	3	0	7
MARION	2	0	1	0	2

DRIVERS UNDER INFLUENCE OF DRUGS INVOLVED IN TRAFFIC ACCIDENTS (CONT'D)

COUNTY	ALL ACCIDENTS	FATAL ACCIDENTS	INJURY ACCIDENTS	PERSONS KILLED	PERSONS INJURED
MARSHALL	0	0	0	0	0
MARTIN	2	0	1	0	5
MASON	0	0	0	0	0
MEAD	1	0	1	0	3
MENIFEE	0	0	0	0	0
MERCER	2	0	0	0	0
METCALFE	0	0	0	0	0
MONROE	1	0	1	0	3
MONTGOMERY	0	0	0	0	0
MORGAN	0	0	0	0	0
MUHLENBERG	3	0	3	0	4
NELSON	1	0	0	0	0
NICHOLAS	1	0	1	0	1
OHIO	2	0	2	0	2
OLDHAM	5	1	3	11	10
OWEN	0	0	0	0	0
OWSLEY	1	0	0	0	0
PENDLETON	3	0	2	0	2
PERRY	14	0	14	0	16
PIKE	16	0	12	0	19
POWELL	0	0	0	0	0
PULASKI	6	0	2	0	3

COUNTY	ALL ACCIDENTS	FATAL ACCIDENTS	INJURY ACCIDENTS	PERSONS KILLED	PERSONS INJURED
ROBERTSON	0	0	0	0	0
ROCKCASTLE	2	1	1	1	2
ROWAN	6	0	4	0	7
RUSSELL	5	0	3	0	4
SCOTT	2	0	0	0	0
SHELBY	2	0	1	0	2
SIMPSON	0	0	0	0	0
SPENCER	0	0	0	0	0
TAYLOR	1	0	1	0	1
TODD	1	0	1	0	1
TRIGG	0	0	0	0	0
TRIMBLE	0	0	0	0	0
UNION	1	0	0	0	0
WARREN	5	0	4	0	7
WASHINGTON	0	0	0	0	0
WAYNE	1	0	1	0	1
WEBSTER	0	0	0	0	0
WHITLEY	4	0	2	0	3
WOLFE	1	0	1	0	1
WOODFORD	2	1	1	1	3
TOTAL	349	6	193	6	306

DRUG INVOLVED ACCIDENTS BY AREA DEVELOPMENT DISTRICT

AREA DEVELOPMENT DISTRICT	TOTAL NUMBER REPORTED	TYPE ACCIDENT REPORTED		NUMBER PERSONS	
		FATAL	INJURY	KILLED	INJURED
Purchase	17	0	9	0	10
Pennyrile	11	0	9	0	13
Green River	23	0	12	0	15
Barren River	16	0	10	0	16
Lincoln Trail	16	0	9	0	15
Jefferson KIPDA	36	2	19	2	35
Northern Kentucky	48	0	23	0	34
Buffalo Trace	0	0	0	0	0
Gateway	6	0	4	0	7
FIVCO	10	0	7	0	13
Big Sandy	34	0	23	0	42
Kentucky River	34	1	23	1	38
Cumberland Valley	28	1	15	1	23
Lake Cumberland	22	0	13	0	18
Bluegrass	48	2	17	2	27
STATE TOTALS	349	6	193	6	306



FATAL ACCIDENT REPORTING SYSTEM



FATAL ACCIDENT REPORTING SYSTEM

The *Fatal Accident Reporting System (FARS)* is a computerized file containing data on all fatal accidents occurring each year in the fifty states, the District of Columbia, and Puerto Rico. The system is operated by the National Highway Traffic Safety Administration for the purpose of identifying safety problems, suggesting solutions, and helping to provide an objective basis to evaluate the effectiveness of motor vehicle safety standards and highway safety countermeasures.

FARS has a contract with a government agency in each state for the purpose of fatal accident data acquisition. In Kentucky, this contract is with the Kentucky State Police Records Section.

For reasons of timeliness in reporting and continuity among the states, *FARS* counts only those fatalities that occur within 30 days of the accident date. *FARS* differs from Kentucky data in that it collects data not only from the accident reports submitted from across the state, but contacts many other sources to obtain additional data pertinent to the accident, vehicles, drivers, etc. Examples of additional sources contacted by *FARS* are vehicle registration files, Driver Licensing, Vital Statistics, EMS reports, labs, coroners, and medical examiners.

A 15 minute audio/slide presentation (also available on VHS) more fully explaining the Fatal Accident Reporting System is available by contacting the *FARS* Unit of the Kentucky State Police Records Section.

DRIVERS INVOLVED IN FATAL ACCIDENTS-AGE AND ALCOHOL INVOLVEMENT

The chart depicts the ages of all drivers in fatal accidents vs. alcohol involved drivers in fatal accidents and the percentages of involvement for various ages and age groups. The alcohol involved teenager driver (ages 13 through 19) represents almost 14% of the total number of alcohol involved drivers and 29% of all teenage drivers in fatal accidents.

NOTE: Data is derived from the Fatal Accident Reporting System (FARS). The number of alcohol related drivers differs from those reported through the Kentucky Accident Reporting System because FARS follows up on alcohol test results.

AGE	Number of Drivers	Alcohol Involved	% Alcohol Involved
Under 16	8	5	63
16	25	2	8
17	36	6	17
18	45	7	16
19	34	16	47
20	38	10	26
21	34	12	35
22-24	111	37	33
25-34	269	77	29
35-44	214	45	21
45-54	146	20	14
55-64	84	11	13
65-74	62	4	6
Over 74	65	2	3
Unknown	3	0	0
TOTALS	1,174	254	22

ALCOHOL INVOLVEMENT BY AGE AND TEST RESULTS FOR DRIVERS INVOLVED IN 1993 FATAL ACCIDENTS

DURING 1993, 264 PERSONS WERE KILLED IN FATAL ACCIDENTS INVOLVING A DRINKING DRIVER. THIS REPRESENTS 30% OF ALL PERSONS KILLED IN TRAFFIC ACCIDENTS IN KENTUCKY DURING 1993.

The chart below shows drinking drivers by age and alcohol test result. 64% of the drinking drivers were found to have been legally intoxicated (0.10% or above) at the time of the accident.

AGE	# OF DRINKING DRIVERS*	TEST RESULTS					TEST REFUSED	NOT TESTED	RESULTS OR TEST UNK.
		.00	.01-.05	.06-.09	.10-.19	.20+			
Under 16	5	1	2	0	0	0	0	0	2
16	2	0	0	0	0	0	0	2	0
17	6	1	0	0	3	0	1	0	1
18	7	1	0	3	3	0	0	0	0
19	16	1	2	0	4	6	0	0	3
20	10	2	1	0	4	3	0	0	0
21	12	4	0	0	3	3	0	0	2
22-24	37	4	0	3	15	8	1	2	4
25-34	77	2	5	4	19	33	1	1	12
35-44	55	4	1	2	12	23	1	4	8
45-54	20	2	1	0	8	6	0	0	3
55-64	11	0	0	0	6	5	0	0	0
65-74	4	0	0	0	0	3	0	0	1
75+	2	0	0	0	2	0	0	0	0
TOTAL	264	22	12	12	79	90	4	9	36

*Drinking driver refers to a driver suspected by the police to be drinking, and/or a driver who tested positive for alcohol in a subsequent test.

FATALLY INJURED PEDESTRIANS

DURING 1993, 22% OF THE FATALLY INJURED PEDESTRIANS OVER THE AGE OF 15 WERE DRINKING. THEIR AVERAGE ALCOHOL TEST WAS 0.23%

AGE	TOTAL	NUMBER DRINKING	AVERAGE TEST RESULTS
0-5	3	0	0
6-10	3	0	0
11-15	4	0	0
16-20	5	2	.17
21-25	4	1	.22
26-30	9	2	.28
31-40	9	5	.21
41-50	7	4	.29
51-60	7	0	0
61-70	6	0	0
71-80	6	0	0
81+	2	0	0
TOTAL	65	14	.23

Another traffic hazard is the drinking pedestrian. The right-hand chart shows the number of fatally injured pedestrians by age and alcohol involvement.

ACTIVE RESTRAINTS AND EJECTION IN FATAL ACCIDENTS

The chart below plots overall results in fatal accidents when active restraints (safety belts, harnesses, child restraints) are used. A comparison of "used" versus "not used" for 1993 FARS data strongly confirms both the life-saving advantage as well as the reduction of serious injury when restraints are in place. 76 PERCENT OF THE VEHICLE OCCUPANTS KILLED DURING 1993 WERE NOT RESTRAINED. 67 PERCENT OF THE VEHICLE OCCUPANTS SUFFERING INCAPACITATING INJURY WERE NOT RESTRAINED. 55 PERCENT OF THE OCCUPANTS SUFFERING NON-INCAPACITATING INJURY WERE NOT RESTRAINED.

Result	Restraint Used	Restraint Not Used	Unknown If Used	TOTAL
Fatal Injury	174	604	20	798
Incapacitating Injury	135	317	20	472
Non-Incapacitating Injury	119	151	5	275
Possible Injury	48	70	2	120
No Injury	178	125	16	319
Unknown If Injured	0	0	5	5
Injured, Severity Unknown	0	0	0	0
TOTAL	654	1,267	68	1,989

Of the 1,989 vehicle occupants involved in fatal accidents in 1993, only 654 were using safety restraints - an overall usage rate of 33% in fatal accidents.

EJECTION

Result	Total Ejection	Partial Ejection	No Ejection	Unknown	TOTAL
Fatal Injury	163	61	572	2	798
Incapacitating Injury	47	8	417	0	472
Non-Incapacitating Injury	12	1	262	0	275
Possible Injury	5	1	114	0	120
No Injury	1	0	317	1	319
Unknown If Injured	0	0	5	0	5
Injured, Severity Unknown	0	0	0	0	0
TOTAL	228	71	1,687	3	1,989

The above chart shows overall injuries in fatal accidents according to whether the vehicle occupant was ejected from the vehicle, partially ejected, or not ejected. 20% of the persons killed were ejected. 71 % OF THOSE VEHICLE OCCUPANTS WHO WERE EJECTED WERE KILLED. This data also reaffirms the life-saving advantage of using an active restraint, since the possibility of being ejected upon impact is significantly reduced.

CHILD RESTRAINTS

Kentucky's "child restraint law" (KRS 189.125) became effective July 15, 1982, and requires that any parent or legal guardian of a child "forty inches in height or less, when transporting the child in a motor vehicle owned by that parent or guardian operated on the roadways, streets and highways of this state, shall have such child properly secured in a child restraint system of a type meeting federal motor vehicle safety standards."

In order to qualify, the child restraint system must be certified as having been federally approved. (Federal approval of a child restraint system is based on its having withstood dynamic crash tests - 30 mph crash into a fixed barrier.)

The data on child restraint depicted in the chart below reflects age (four years and under) rather than the height of the child. Other states with child restraint laws have adopted the "four years and under" standard in their statutes.



RESULT	Age 4 & under Total	Child Restraint Used	Lap Belt &/or Harness Used	None Used	Unknown
Killed	19	7	1	11	0
Injured (incapacitating)	17	4	0	10	3
Injured (non-incapacitating)	15	7	4	4	0
Injured (possible)	10	5	1	4	0
Not Injured	13	10	1	2	0
TOTAL	74	33	7	31	3

Of the 74 child occupants (4 and under) in 1993 fatal accidents only 33 children were secured in a child restraint. Of the 19 children killed, 11 had no restraint and only 7 were using child safety seats. This information confirms what other studies have suggested regarding the effectiveness of child restraints. An infant or small child's survival can depend on whether the child was properly secured.



CHILD RESTRAINTS

BABY ALWAYS RIDES FACING REAR

Infant (Birth to sits up alone)	
Type of Seat	 
How to Use	<ul style="list-style-type: none"> • Face backward in car (baby faces padded vehicle seat back) • Harness baby snugly before putting on blanket • Secure vehicle safety belt where shown in instructions • Use semi-reclined position

■ The "best" car seat ...

Fits your child.




Some seats fit only infants; others work only with toddlers who can sit up well. "Convertible" models adjust for use from birth to 4 years.

Fits your car.

Try before you buy. Follow manufacturer's instructions exactly; fasten safety belt tightly in position shown. Try in both back and front seats, although back seat is usually safer. Try convertible seats in infant and toddler positions.

Fits your needs.

Choose a seat that is easy for you to install in your car(s) and use on every ride. Some seats are easier to move from car to car. For a seat which requires the use of a top tether strap, you must install a special bolt in your car for rear seat use; some cars have pre-drilled holes or hardware for these bolts. For front seat use, fasten tether strap to an unused rear safety belt.

Toddler/Preschooler (Sits up alone to age 4 & 40 lbs.)		
Type of Seat	  	
How to Use	<ul style="list-style-type: none"> • Face forward in car • Use complete harness and/or shield system • Secure vehicle safety belt where shown in instructions • Use upright position • Attach top tether strap (if required) • If no safety seat available, use safety belt 	

Support baby's head and body



Rolled
diapers,
blankets

■ How can I keep my child in the car seat?



Start a lifelong habit with baby's first ride. Strengthen the habit by *never* making an exception. Always wear your own safety belt.

■ Before you buy a used car seat, be sure you can answer "yes" to all of the questions on this checklist:

- Is it crash-tested?
- Do you have all the parts? (Harness, shield, tether)
- Is it free from signs of a crash? (Cracks or twisting)
- Will you get manufacturer's instruction booklet?

Four Rules for Safety

1. Never hold a child on your lap
2. Use a crash-tested seat
3. Always use the harness/shield
4. Attach the car safety belt correctly

Older Child (4 years, 40 lbs. and over)	
Type of Seat	 
How to Use	<ul style="list-style-type: none"> • Safety boosters: Use either harness or shield provided or shoulder/lap belt • Keep lap belt snug across hip/thigh bones • Vehicle shoulder harness must not cross face or neck • One safety belt per person

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