

KENTUCKY TRAFFIC ACCIDENT FACTS



1992 REPORT

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COMMONWEALTH OF KENTUCKY
OFFICE OF THE GOVERNOR

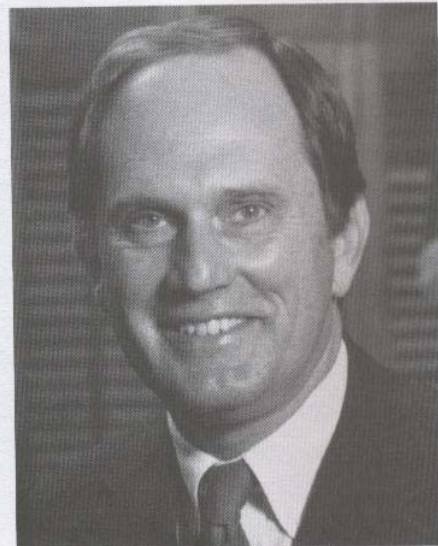
BRERETON C. JONES
GOVERNOR

THE CAPITOL
700 CAPITAL AVENUE
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My Fellow Kentuckians:

This **1992 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 discouraging to see that the number of accidents reported in 1992 increased by five percent. However, during this same period the number of fatalities decreased by 1%. Even so, 819 deaths and 53,168 injuries are too many.



These deaths and injuries could be dramatically reduced if everyone would be attentive, observe speed limits, never drink and drive, and always buckle up. If we follow these simple and common-sense rules, safety on Kentucky's roads will continue to improve.

Sincerely,

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

Brereton C. Jones





COMMONWEALTH OF KENTUCKY
KENTUCKY STATE POLICE
919 VERSAILLES ROAD
FRANKFORT 40601

BRERETON C. JONES
GOVERNOR

BILLY G. WELLMAN
COMMISSIONER
AND
SECRETARY OF JUSTICE

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

Dear Governor Jones:

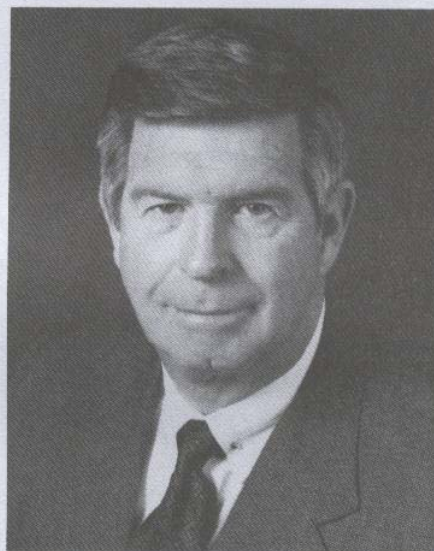
Chapter 189.635 of the Kentucky Revised Statutes requires that the Kentucky State Police collect and tabulate traffic accident reports submitted by all law enforcement agencies in the Commonwealth.

I am pleased to submit this **1992 Traffic Accident Facts** report pursuant to that statute. This report contains statistical information based upon comprehensive analyses of fatal, injury, and property damage accidents.

It is our hope that the data contained within this report will benefit law enforcement agencies, national, state, and local organizations, and citizens concerned with highway safety throughout Kentucky.

Respectfully submitted,

Billy G. Wellman
Secretary, Justice Cabinet
Commissioner, Kentucky State Police



DEDICATION

This 1992 Accident Facts Report

is appropriately

dedicated

to

THE EIGHT HUNDRED NINETEEN CITIZENS

Who were victims of Fatal Traffic Accidents

During 1992

AND TO

THEIR FAMILIES

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

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KENTUCKY

TRAFFIC ACCIDENT FACTS

1992

Prepared by:

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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. Computer tabulations 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

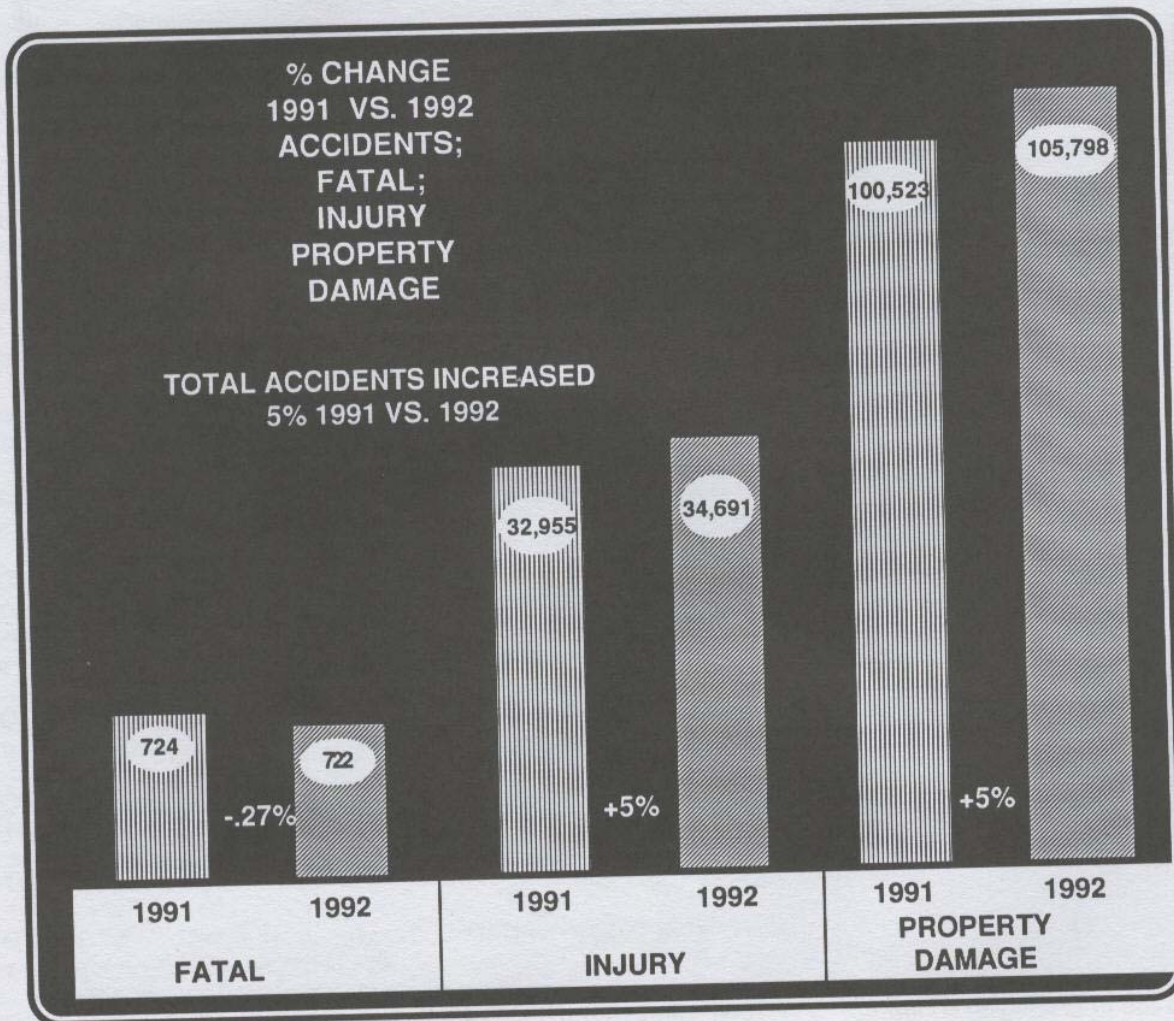
1992 ACCIDENTS SUMMARY

TYPE ACCIDENT REPORTED	1991	1992	% CHANGE
FATAL	724	722	-1%
NON-FATAL INJURY	32,955	34,691	+5%
PROPERTY DAMAGE ONLY	100,523	105,798	+5%
TOTAL NUMBER REPORTED	134,202	141,211	+5%

722 fatal accidents were reported during 1992, a decrease of 1% over 1991.

There were 1,736 more non-fatal injury accidents, an increase of 5%.

Property damage accidents showed an increase of 5% with 7,009 more accidents reported.



DEATHS AND INJURIES SUMMARY

	1991	1992	% Change
PERSONS KILLED	828	819	-1%
PERSONS INJURED	50,707	53,168	+5%

FACTS: IN KENTUCKY, ONE OF EVERY 4,468 CITIZENS DIED AS A RESULT OF A FATAL TRAFFIC ACCIDENT DURING 1992.*

IN KENTUCKY, ONE OF EVERY 11 LICENSED DRIVERS WAS INVOLVED IN A TRAFFIC ACCIDENT: ONE IN 3,272 DRIVERS WAS INVOLVED IN A FATAL ACCIDENT.**

IN KENTUCKY, ONE IN 26 CITIZENS WAS INJURED IN A TRAFFIC ACCIDENT.

*Based on 3.7 million population estimate

**Based on 2,679,943 licensed drivers currently registered in Kentucky

819 persons were killed during 1992. The number of traffic fatalities decreased 1%, with 9 fewer fatalities than during 1991.

53,168 persons were injured during 1992, an increase of 5% over 1991, or 2,461 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.

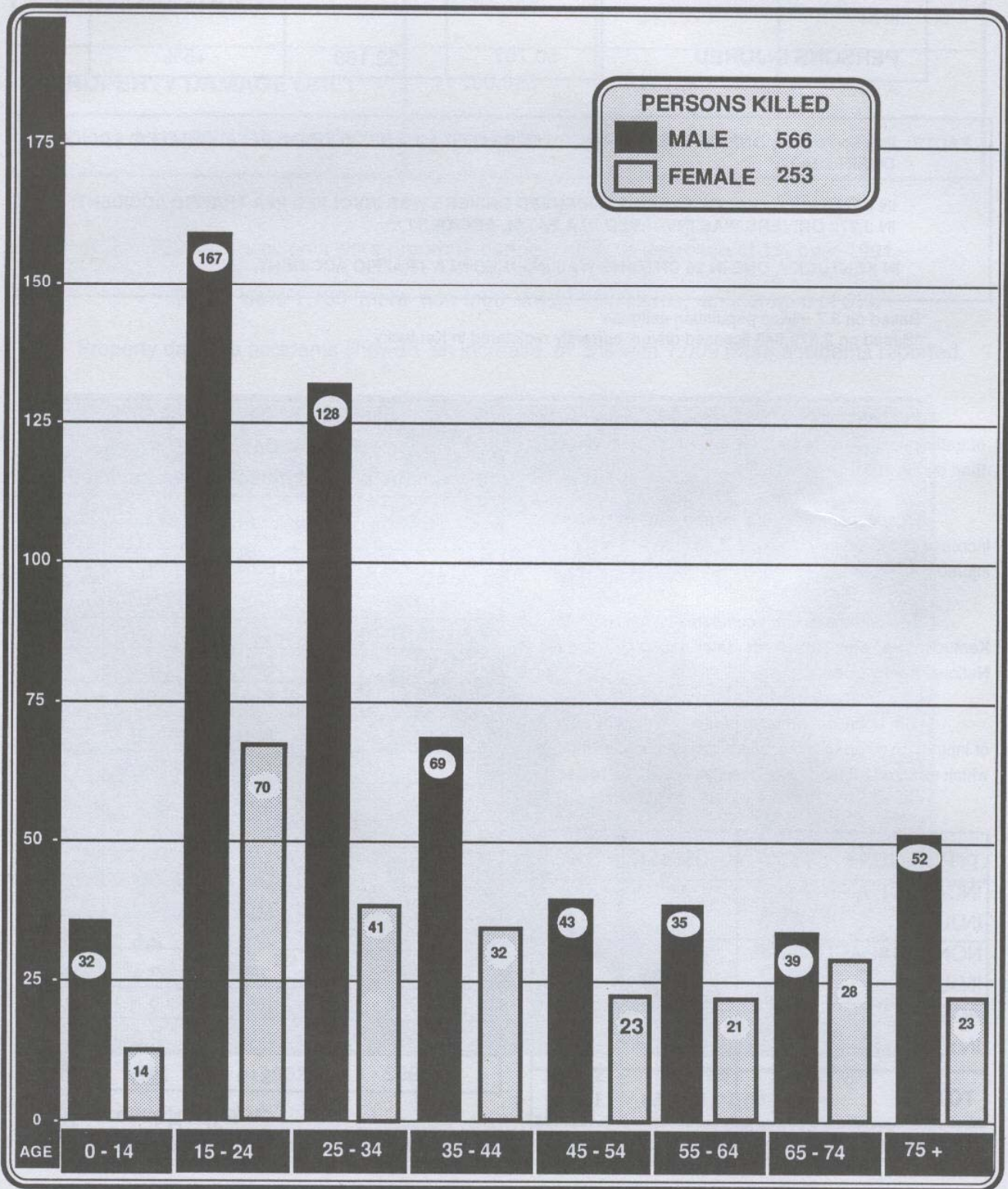
TYPE INJURY	NUMBER	%
INCAPACITATING INJURY	9,869	19%
NON-INCAPACITATING INJURY	19,087	36%
POSSIBLE INJURY	24,212	45%
TOTAL	53,168	100%

DEATH RATES 1977-1992			
Basis:			
deaths per 100 million miles travelled.*			
YEAR	KILLED	RATE	
		KY	U.S.
1977	958	3.5	3.3
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

*1992 miles travelled = 36 billion.

FATALITIES BY AGE AND SEX

The number of persons killed in 1992 fatal accidents is shown by age and sex in the chart below. 566 males versus 253 females were killed. 29% of all persons killed in traffic accidents were in the fifteen to twenty-four year old age group. 87 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 (68%) and collisions with fixed objects (22%) account for 90% of the crashes in which persons were killed or injured during 1992.

TYPE OF ACCIDENT	TYPE OF INJURY				% Killed / Injured
	Killed	Incapacitating Injury	Non-Incapacitating Injury	Possible Injury	
Non-Collision Overturning	26	250	435	352	2%
Other Non-Collision	31	353	551	577	3%
Collision With Pedestrian	87	459	567	411	3%
Collision With Motor Vehicle (Moving) In Transport	371	5,919	12,104	18,249	68%
Collision With Parked Motor Vehicle	0	0	0	3	less than one %
Collision With Railway Train	8	23	25	19	less than one %
Collision With Pedalcyclist	8	136	323	233	1%
Collision With Deer	0	19	56	88	less than one %
Collision With Other Animal	0	12	33	58	less than one %
Collision With Fixed Object	276	2,575	4,760	3,994	21%
Collision With Other Object	12	123	233	228	1%
TOTAL	819	9,869	19,087	24,212	
% Of All Injuries	2%	18%	35%	45%	

OCCURRENCE OF ACCIDENTS BY TYPE

77% of all accidents reported during 1992 involved moving vehicles.

14% of all accidents involved collisions with fixed objects.

9% of all accidents were other types of collisions (one vehicle with train, pedestrian, animal, etc).

In the "All Other" category are included 1,175 non-collision accidents (8%) resulting from the vehicle overturning and 3,019 other non-collision type accidents (2%).

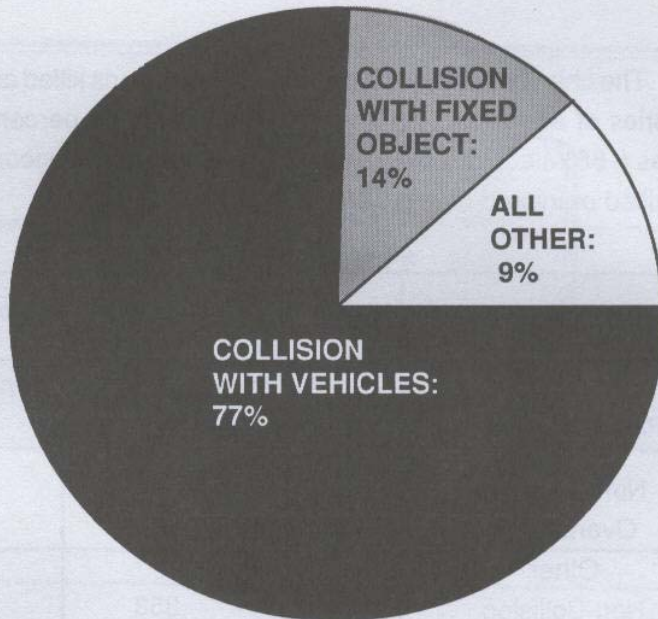
When looking at fatal accidents by themselves, the ratio between types of occurrences is different. 45% of all fatal accidents involved a collision with another vehicle.

31% of the fatal accidents reported during 1992 involved collisions with fixed objects.

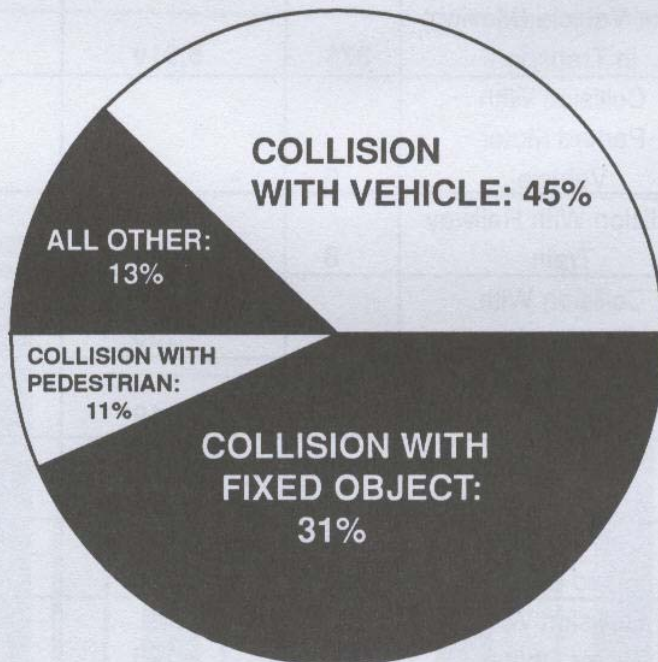
11% of the 1992 fatal accidents involved collisions with pedestrians. 13% of the fatal accidents were other type accidents.

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 26 fatal non-collisions resulting from the vehicle overturning (3%) and 31 other non-collision accidents (4%).



ALL ACCIDENTS



FATAL ACCIDENTS

TYPE OF COLLISIONS

Collisions with other motor vehicles were responsible for 77% of all accidents reported during 1992, and accounted for 45% of all fatalities (persons killed). Collisions with fixed objects accounted for 14% of all accidents, but 31% of fatalities. Types of collisions are depicted below.

COLLISION WITH ANIMALS (excluding deer):

Total Accidents: 520
 % of Total: .4%
 Persons Killed: 0
 % of Total: .1%



COLLISION WITH MOTOR VEHICLE:

Total Accidents: 108,579
 % Of Total: 77%
 Persons Killed: 371
 % of Total: 45%

COLLISION WITH DEER:

Total Accidents: 2,917
 % of Total: 2%
 Persons Killed: 0
 % of Total: 0%



COLLISION WITH FIXED OBJECT:

Total Accidents: 20,105
 % of Total: 14%
 Persons Killed: 252
 % of Total: 31%

COLLISION WITH PEDALCYCLIST:

Total Accidents: 795
 % of Total: .6%
 Persons Killed: 8
 % of Total: 1%

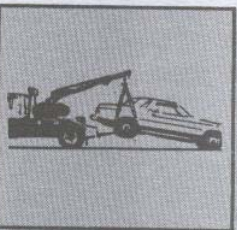
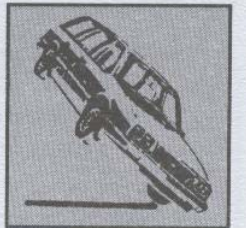


COLLISION WITH OTHER OBJECT:

Total Accidents: 2,582
 % of Total: 2%
 Persons Killed: 12
 % of Total: 2%

OVERTURNING:

Total Accidents: 1,175
 % of Total: .8%
 Persons Killed: 26
 % of Total: 3%

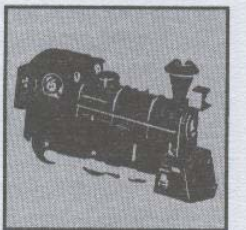


OTHER (NON-COLLISION):

Total Accidents: 3,019
 % of Total: 2%
 Persons Killed: 31
 % of Total: 4%

COLLISION WITH RAILWAY TRAIN:

Total Accidents: 98
 % of Total: .07%
 Persons Killed: 8
 % of Total: 1%



COLLISION WITH PEDESTRIAN:

Total Accidents: 1,421
 % of Total: 1%
 Persons Killed: 87
 % of Total: 11%

COLLISION WITH PARKED VEHICLE:

Total Accidents: 80
 % of Total: .06%
 Persons Killed: 0
 % of Total: 0%



COLLISIONS

(Vehicular Action)

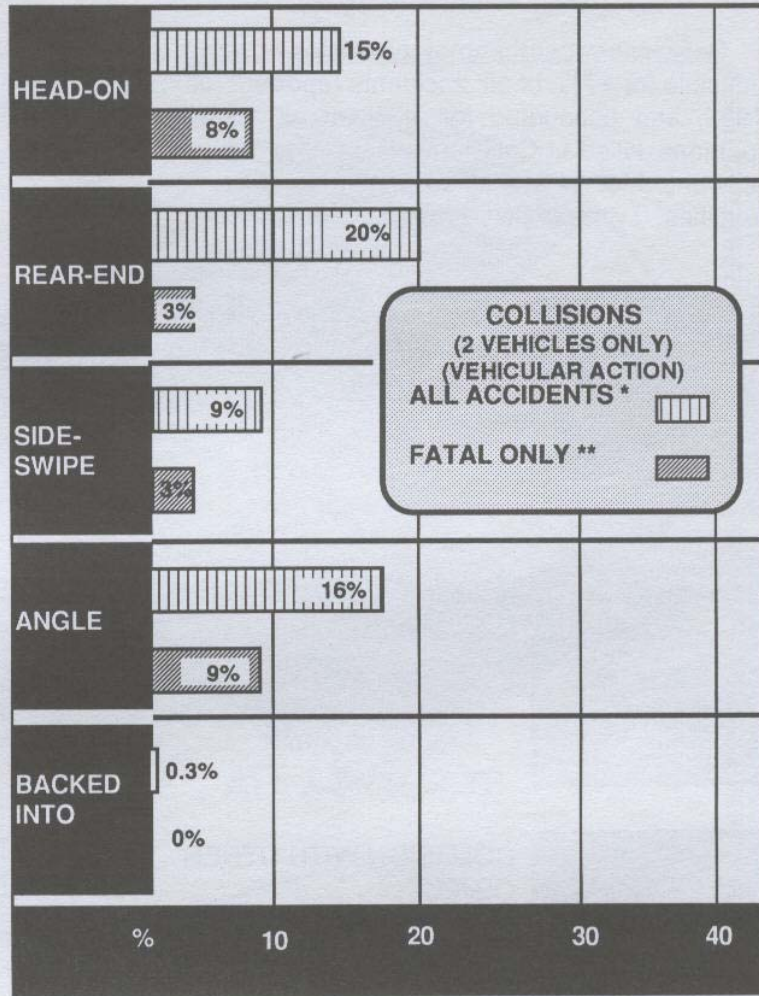
108,499 traffic accidents reported during 1992 involved "two-car" collisions. This represents 77% of all accidents and 37% of all fatal accidents reported.

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

Head-on collisions accounted for 15% of the fatal crashes involving more than one vehicle, but only 8% of all accidents.

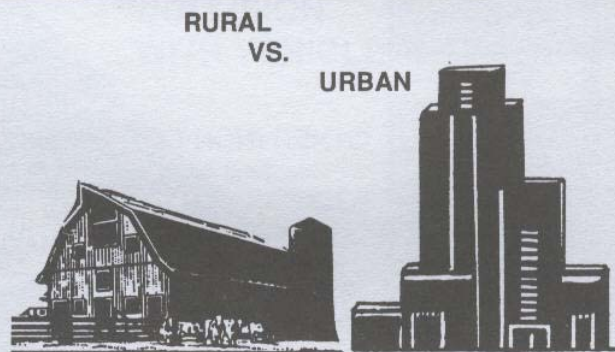
Rear-end collisions reflect 20% of all collisions, but only 3% of the fatal crashes.

Sideswipe collisions (both meeting and passing) reflect 9% of all crashes and 3% 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 (80%) took place in rural areas of Kentucky during 1992. 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.



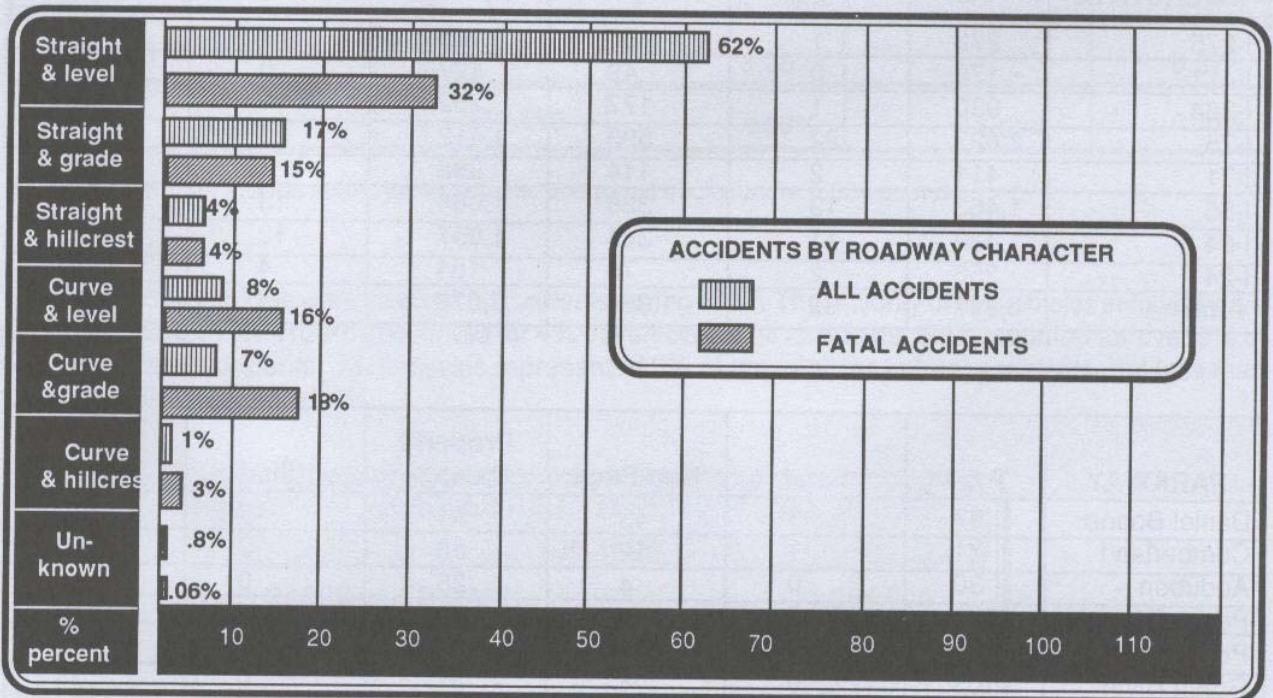
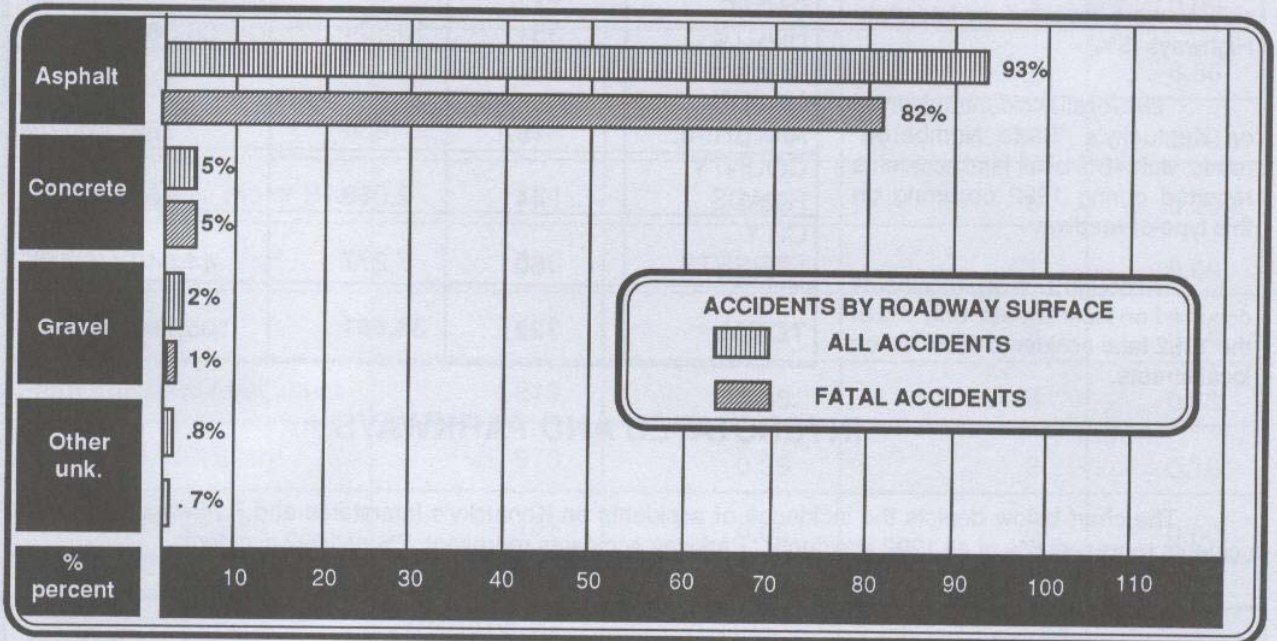
AREA	Number of Accidents	% Total	Fatal	% Total	NonFatal Injury	% Total	Prop. Damage	% Total	Killed	% Total	Injured	% Total
RURAL	53,893	38%	577	80%	17,180	50%	36,136	34%	662	81%	27,341	51%
URBAN	87,318	62%	145	20%	17,511	50%	69,662	66%	157	19%	25,827	49%
TOTAL	141,211	100%	722	100%	34,691	100%	105,798	100%	819	100%	53,168	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, 83% of all accidents occurred on straight roads and 16% on curved roads. 37% of the fatal accidents during 1992 occurred on curved roads.



LOCATION OF ACCIDENTS

The chart at right shows the number of accidents during 1992 by type of roadway, with percentages of all accidents.

As shown, relatively few accidents were reported on Interstate Highways (5%).

28% of all accidents occurred on Kentucky's "State Numbered" roads, with 48% of all fatal accidents reported during 1992 occurring on this type of roadway.

Although 37% of all accidents occurred on local streets, only 7% of the 1992 fatal accidents occurred on local streets.

TYPE OF ROADWAY	Fatal Accidents	Non-Fatal Accidents	Property Accidents	% Total
INTERSTATE	52	1,839	5,076	5%
U.S. ROUTE	200	9,874	23,073	23%
STATE ROUTE	351	13,304	26,387	28%
OTHER MAJOR ARTERIAL	15	334	752	2%
COUNTY ROADS	44	2,063	5,563	5%
CITY STREETS	60	7,277	44,947	37%
TOTAL	722	34,691	105,798	100%

INTERSTATES AND PARKWAYS

The chart below depicts the incidence of accidents on Kentucky's Interstates and Parkways. Interstate accidents represent 5% of all 1992 accidents. Parkway accidents represent .7% of 1992 accidents.

INTERSTATE	Total	Fatal	Non-Fatal	Property Damage	Killed	Injured
I-275	272	1	86	185	1	111
I-471	176	0	49	127	0	60
I-264	930	1	177	752	1	239
I-75	2,027	22	593	1,412	25	1,028
I-71	411	2	114	295	2	168
I-65	1,463	13	386	1,064	13	614
I-64	1,432	11	364	1,057	12	523
I-24	256	2	70	184	4	119
Total	6,967	52	1,839	5,076	58	2,862

PARKWAY	Total	Fatal	Non-Fatal	Property Damage	Killed	Injured
Daniel Boone	97	3	43	51	7	99
Cumberland	71	1	12	58	2	20
Audubon	30	0	4	26	0	5
Pennyrile	224	2	54	168	3	78
Purchase	59	1	23	35	2	33
Green River	105	0	24	81	0	34
Western Kentucky	288	5	80	203	5	117
Bluegrass	133	1	49	83	1	92
Total	1,007	13	289	705	20	478

TYPE VEHICLES INVOLVED IN ACCIDENTS

VEHICLE TYPE	NUMBER ACCIDENTS	PERCENT OF TOTAL	NUMBER FATAL ACCIDENTS	PERCENT OF TOTAL
Passenger Cars	234,418	90.66	943	86.20
Taxicabs	14	0.01	1	0.09
Trucks	11,134	4.31	95	8.68
Motorcycles	1,032	0.40	32	2.93
Motor Scooters/ Motor Bikes	124	0.05	6	0.55
School Buses	866	0.33	1	0.09
Other Buses	462	0.18	2	0.18
Farm Tractors/ Equipment	219	0.08	8	0.73
Emergency & Military	973	0.38	2	0.18
Other Public Owned	137	0.05	0	0.00
Go-Carts	0	0.00	0	0.00
Other	744	0.29	1	0.09
Not Stated	8,436	3.26	3	0.27
TOTAL	258,559	100%	1,094	100%

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

258,559 vehicles were involved in accidents during 1992. 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 1% of vehicles in all accidents.

VEHICLES REGISTERED IN KENTUCKY IN 1992	
PASSENGER CARS	1,954,608
TRUCKS	793,988
MOTORCYCLES	31,308

DRIVER INVOLVEMENT



RESIDENCE OF DRIVER



234,686 drivers were involved in accidents during 1992. 1,077 drivers were involved in fatal accidents. The chart below tabulates driver involvement by residence and shows that most drivers (82%) 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	198,061	84	886	82
Residing Elsewhere in State	7,077	3	77	7
Non-Resident	18,997	8	109	10
Unknown	10,551	5	5	1
TOTAL	234,686	100	1,077	100



SEX OF DRIVER



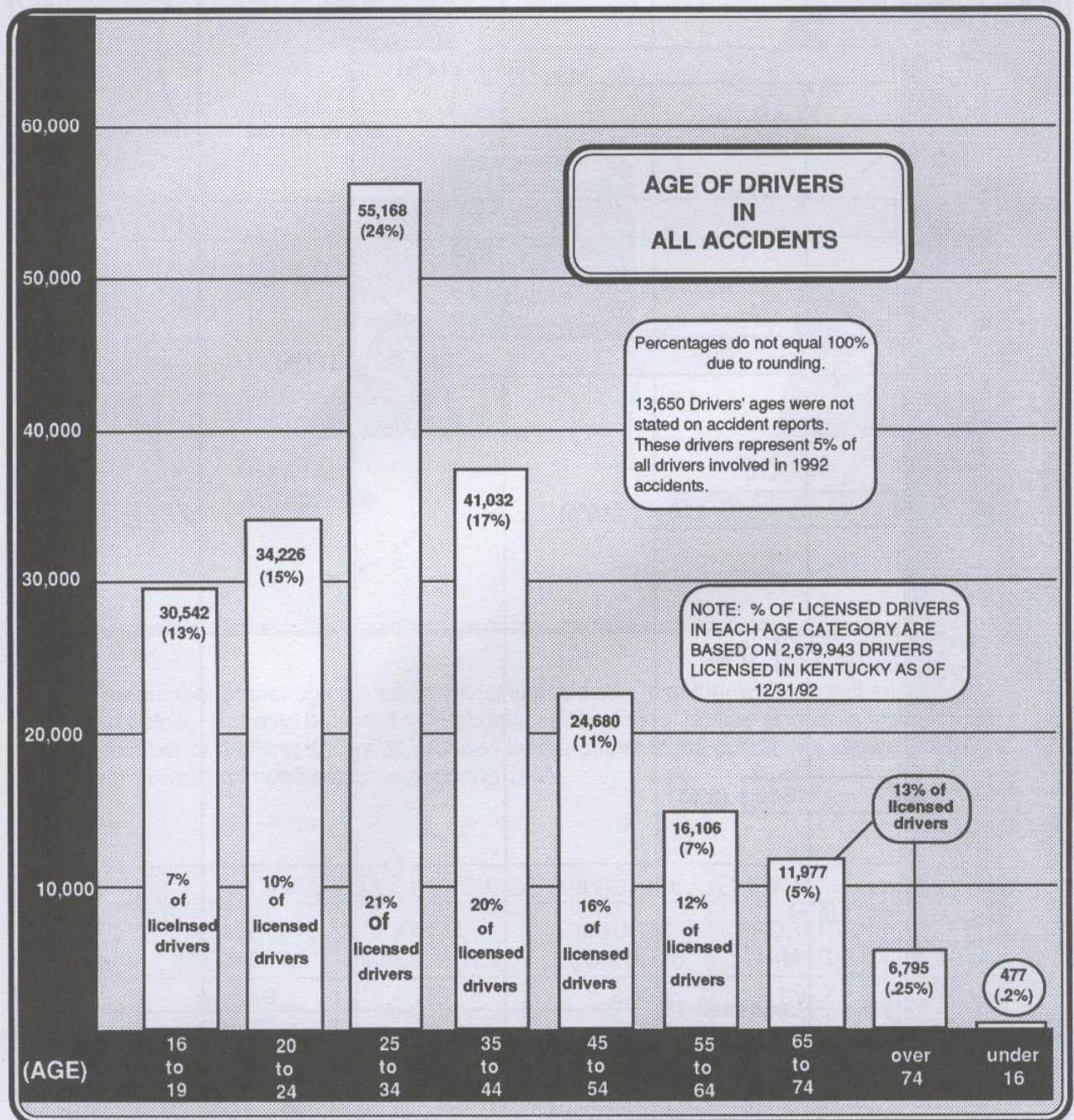
As shown in the chart below, 56% of the drivers involved in accidents during 1992 were male; 39% were female. In fatal accidents 75% of the drivers were male; 24% female.

TOTAL ACCIDENTS		
SEX	# IN ACCIDENTS	% IN ACCIDENTS
MALE	132,414	56
FEMALE	91,579	39
NOT STATED	10,660	5
TOTAL	234,653	100

FATAL ACCIDENTS		
SEX	# IN ACCIDENTS	% IN ACCIDENTS
MALE	810	75%
FEMALE	261	24%
NOT STATED	6	1%
TOTAL	1,077	100%

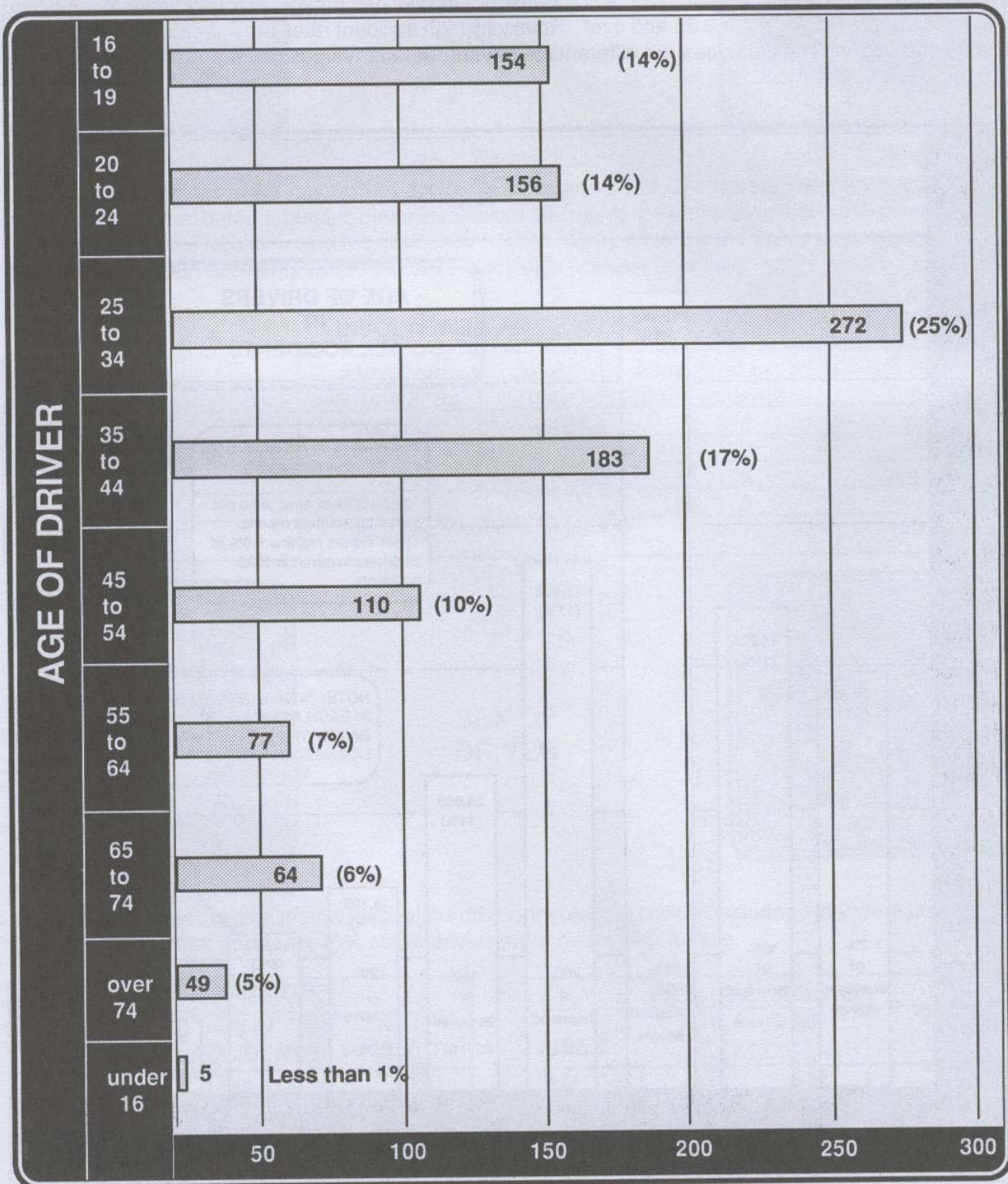
AGE OF DRIVER (ALL ACCIDENTS)

The chart below groups the ages of 234,686 drivers involved in 1992 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 35 and over. Relatively high accident rates are indicated for the drivers age 34 and under. This data does not differentiate drivers "at-fault" versus drivers "not-at-fault".



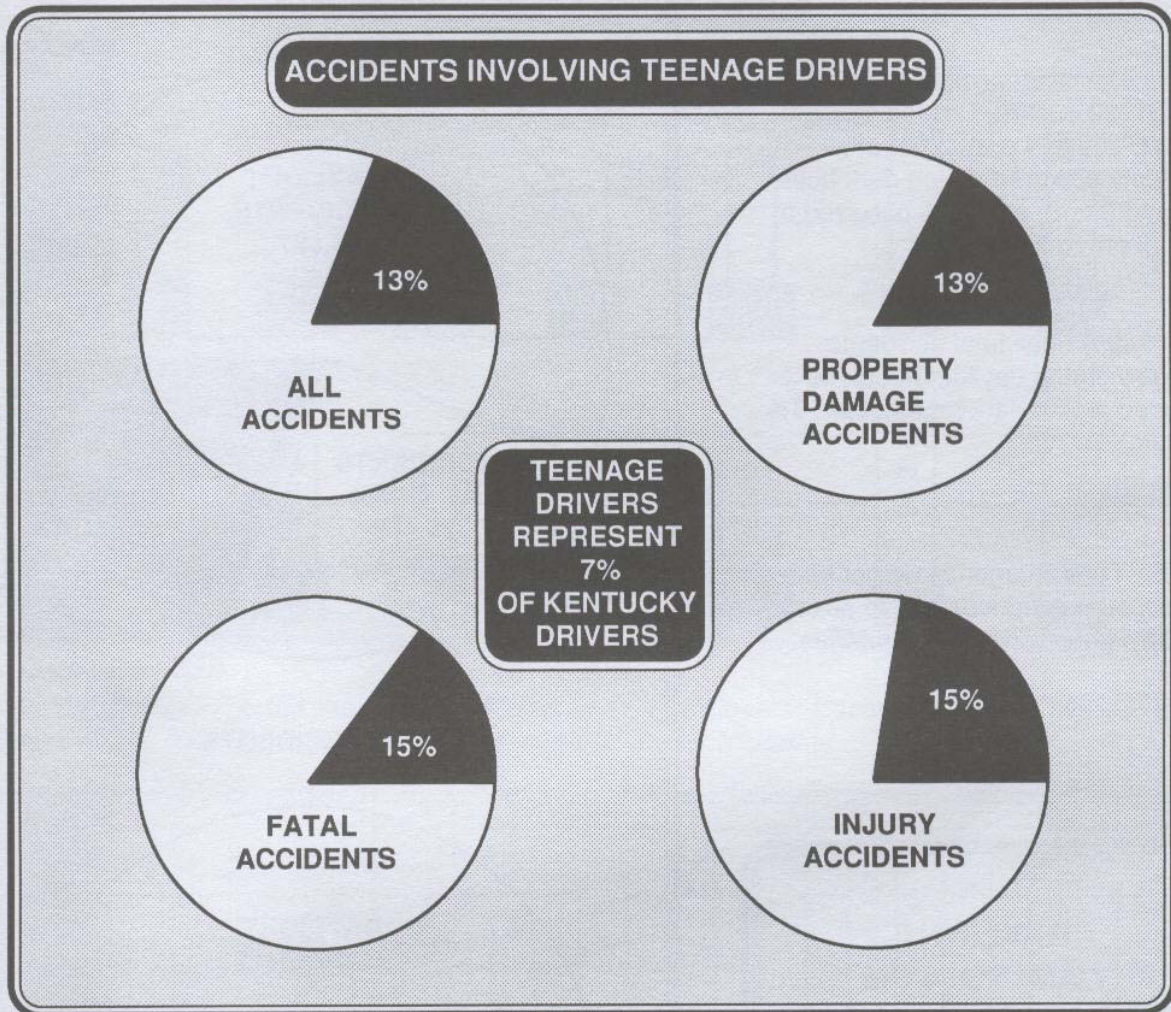
AGE OF DRIVERS (Fatal Accidents)

The chart below groups the ages of 1,077 drivers involved in 1992 fatal accidents. Percentages are based on drivers involved in fatal accidents during 1992 and includes 7 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 1992 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 31,019 teenage drivers were involved in traffic accidents during 1992.

NUMBER OF TEENAGE DRIVERS INVOLVED IN					
YEAR	ALL ACCIDENTS	FATAL ACCIDENTS	INJURY ACCIDENTS	PROPERTY DAMAGE	ALCOHOL RELATED
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
1989	37,526	148	10,179	27,199	1,199

ACCIDENTS BY HOUR OF OCCURRENCE

61% of all accidents reported during 1992 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).

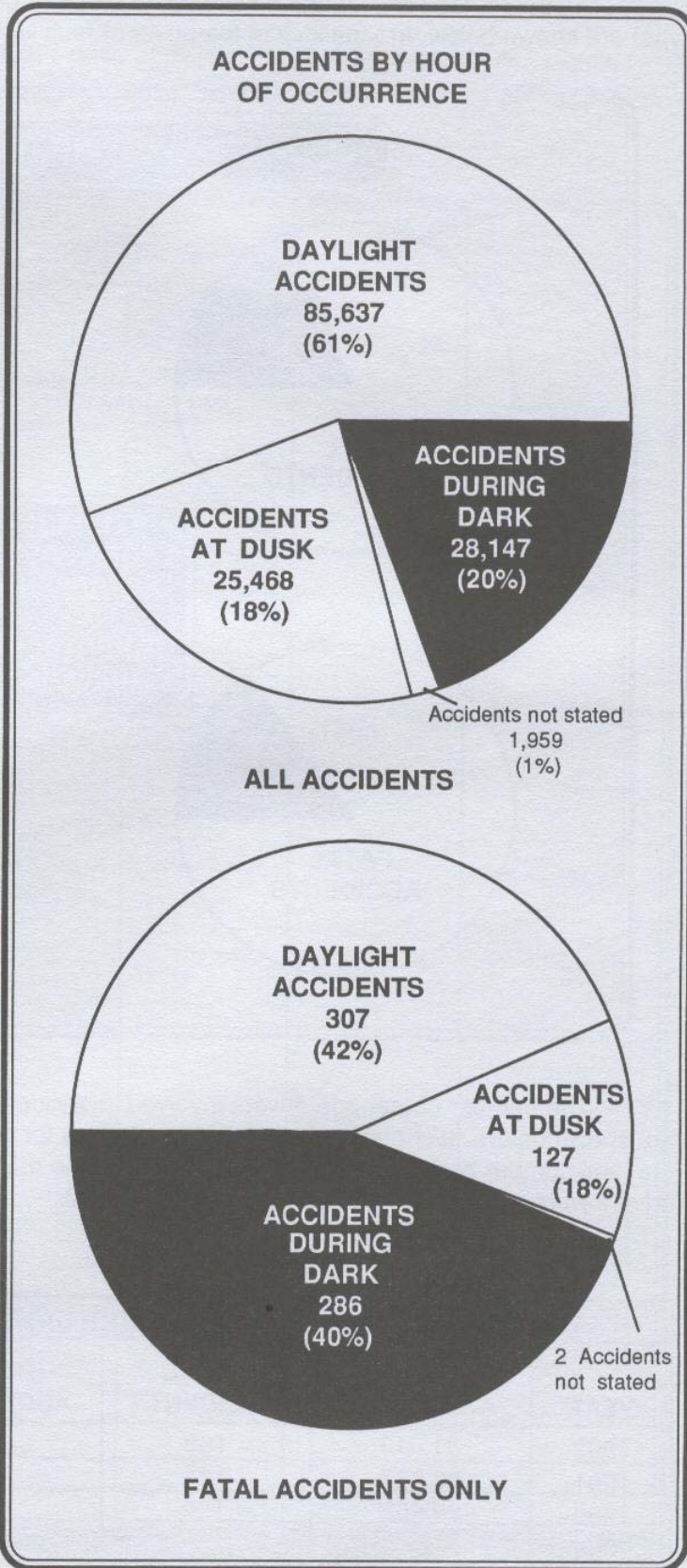
42% of all fatal accidents occurred during daylight hours; 40% occurred during dark hours; and 18% at dusk.

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

DAYLIGHT
7 AM TO 4 PM

DUSK
5 PM TO 7 PM

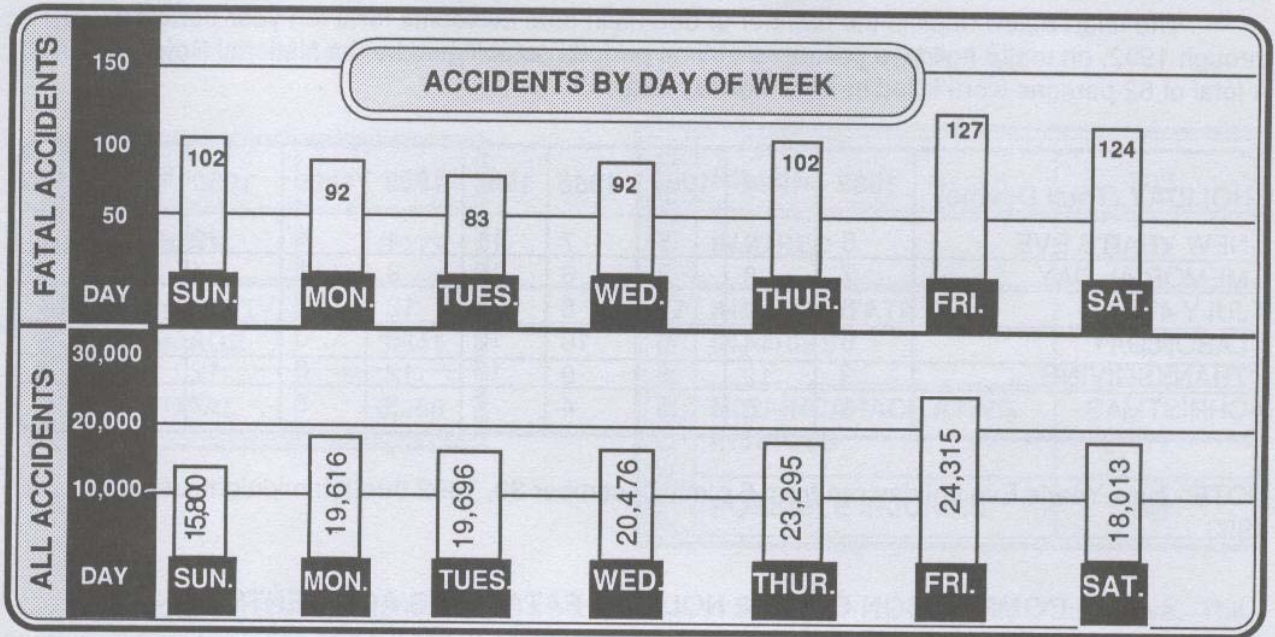
DARK
8 PM TO 6 AM



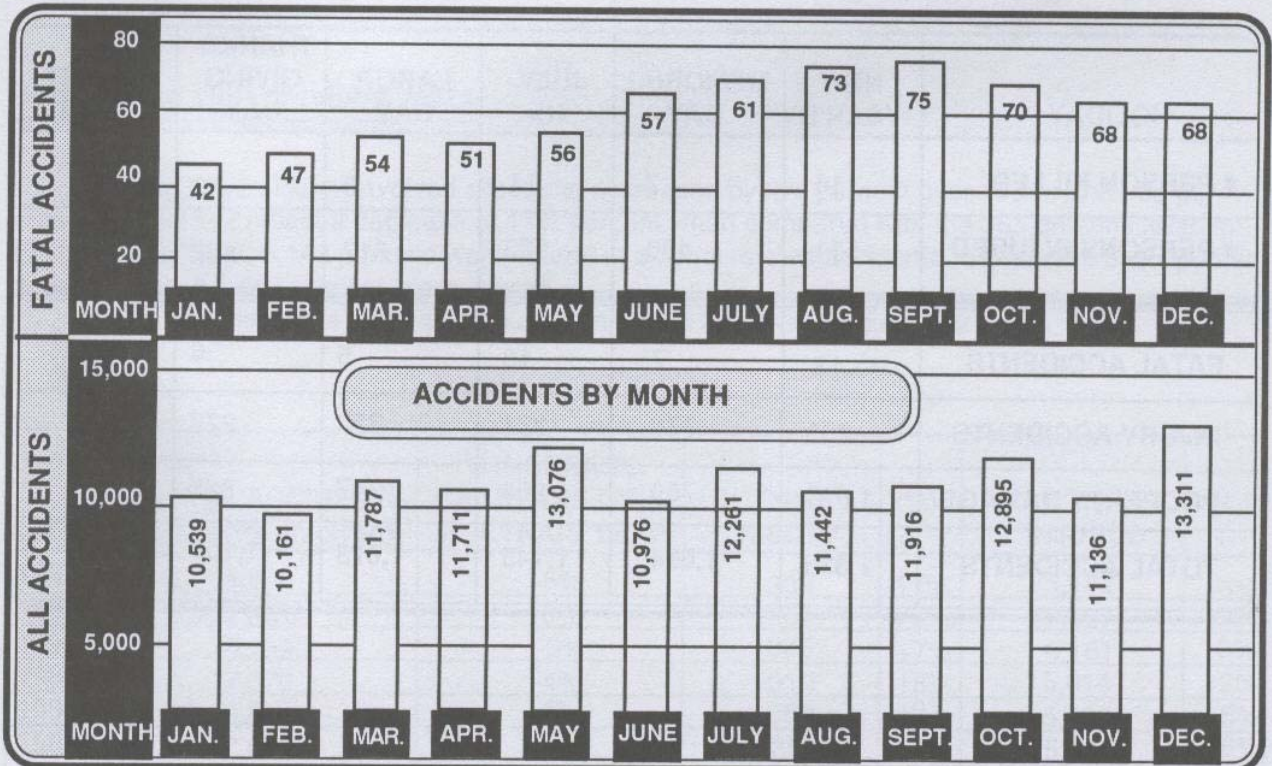
ACCIDENTS BY DAY AND MONTH

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

49% of all fatal accidents occurred on weekends (Friday, Saturday and Sunday combined). 46% of all accidents occurred on Thursday, Friday and Saturday.



September reported the highest number of fatal accidents; December ranked highest for all accident totals. February showed the lowest number of total accidents.



HOLIDAY ACCIDENTS

HOLIDAY DEATH TOLL

The chart below depicts the number of deaths in fatal accidents for a ten year period, 1983 through 1992, on major holidays (inclusive of time periods established by the National Safety Council). A total of 62 persons were killed in 1992 holiday fatalities.

HOLIDAY (Total Deaths)	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
NEW YEAR'S EVE	5	9	5	7	11	4	4	2	2	16
MEMORIAL DAY	7	8	3	6	12	8	11	4	12	7
JULY 4TH	8	4	11	6	7	12	11	5	17	14
LABOR DAY	6	14	6	10	12	6	8	4	8	5
THANKSGIVING	9	12	6	9	17	12	6	12	9	6
CHRISTMAS	11	8	5	4	7	8	8	7	7	14

NOTE: New Year's Eve holiday ran from 6 p.m., December 30, 1992 through midnight, January 3, 1993

COMPARISON OF 1992 HOLIDAY FATALITIES/ACCIDENTS

The New Years holiday period registered the highest number of fatalities during 1992. The lowest number of holiday fatalities occurred over Labor Day holiday. The chart below shows relevant accident data for each of the 1992 holidays.

HOLIDAY	NEW YEAR'S	MEMORIAL DAY	JULY 4th	LABOR DAY	THANKS-GIVING DAY	CHRIST-MAS
# PERSON KILLED	16	7	14	5	6	14
# PERSONS INJURED	511	480	523	517	447	763
FATAL ACCIDENTS	13	7	10	5	6	12
INJURY ACCIDENTS	299	278	331	323	272	460
PROPERTY DAMAGE	1,021	769	804	747	825	1,464
TOTAL ACCIDENTS	1,333	1,054	1,145	1,075	1,103	1,936

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	152
	INJURY	3,275
	PROPERTY DAMAGE	3,541
	TOTAL	6,968

PERSONS KILLED/ INJURED	KILLED	303
	INJURED	5,142
	INCAPACITATING INJURIES	1,524
	NON-INCAPACITATING INJURIES	2,177
	POSSIBLE INJURIES	1,441

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.

6,968 alcohol involved accidents were reported during 1992. 5% of the alcohol involved accidents were fatal, 74% were injury accidents, and 51% resulted in property damage.

Comparison with previous years

During 1992 alcohol involved accidents decreased by five percent over 1991. The 303 persons killed in 1992 reflect a decrease of 17% percent when compared with the 365 persons killed in 1991. During 1992, 5,142 persons were injured in alcohol related accidents, a decrease of six percent over 1991 when 5,467 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	(%) +/-
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%
1986	7,761	+2%	343	+19%	5,606	-11%

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 30% in 1988 to 57% in 1992. (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
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%
1988	105,418	30%	224,029	65%	17,095	5%

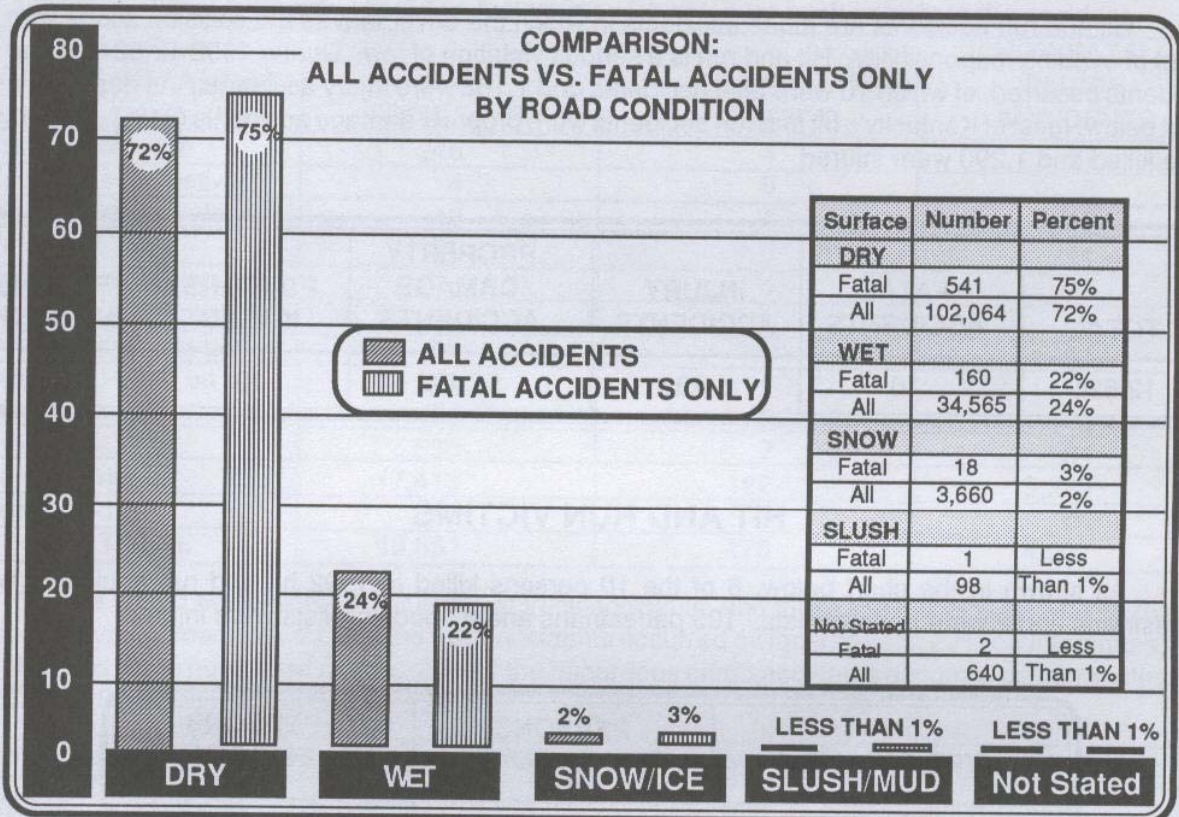
The chart below shows 1992 vehicle occupants by their injury status, and separates the occupants into categories of restraint used and restraint not used.

Overall, 15% of all vehicle occupants were killed or injured. A breakdown into restraint usage shows only 12% of those restrained were killed or injured, compared to 20% of those not restrained.

INJURY STATUS	ALL OCCUPANTS		RESTRAINT USED		RESTRAINT NOT USED	
	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL
KILLED	680	0.21%	114	0.06%	566	0.42%
INJURED	46,922	14.64%	20,014	10.77%	26,908	19.99%
NOT INJURED	272,740	85.10%	165,694	89.17%	107,046	79.51%
UNKNOWN	166	0.05%	61	0.03%	105	0.08%
TOTAL	320,508	100%	185,883	100%	134,625	100%

(Figures do not include 5,121 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	51,790	145
FAILURE TO YIELD	22,429	124
UNSAFE SPEED	9,913	187
ALCOHOL INVOLVEMENT	7,038	156
FOLLOWING TOO CLOSE	6,981	5
VEHICULAR FACTORS	ALL	FATAL
BRAKES DEFECTIVE	2,222	3
TIRE FAILURE/INADEQUATE	1,133	19
ENVIRONMENTAL FACTORS	ALL	FATAL
SLIPPERY SURFACE	17,644	104
VIEW OBSTRUCTED/LIMITED	6,799	52
ANIMAL ACTION	4,122	3
WATER POOLING	1,541	17
GLARE	815	9

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 1992 12,624 hit and run accidents occurred, of which 10 were fatal accidents and 1,182 were injury accidents. As depicted in the chart below, most of Kentucky's hit and run accidents were property damage accidents (91%). 10 persons were killed and 1,290 were injured.

TOTAL	FATAL ACCIDENTS	INJURY ACCIDENTS	PROPERTY DAMAGE ACCIDENTS	PERSONS KILLED	PERSONS INJURED
12,624	10	1,182	11,432	10	1,552

HIT AND RUN VICTIMS

As shown in the chart below, 6 of the 10 persons killed in 1992 hit and run accidents were pedestrians and 2 were pedalcyclists. 195 pedestrians and 67 pedalcyclists were injured.

TYPE OF VICTIM	PERSONS KILLED	PERSONS INJURED
Pedestrian	6	195
Pedalcyclist	2	67
Other	2	1,290
TOTAL	10	1,552

HIT AND RUN LOCATION

The location of hit and run accidents are shown in the chart below. The majority of hit and run accidents (67%) occur on local streets.

CLASS OF TRAFFIC WAY	ALL HIT & RUN ACCIDENTS	FATAL ACCIDENTS	INJURY ACCIDENTS	PROPERTY DAMAGE
INTERSTATE	432	1	75	356
U.S. ROUTE	1,393	2	259	1,132
STATE ROUTE	1,835	5	333	1,497
OTHER MAJOR ARTERIAL	18	0	2	16
COUNTY ROADS	525	0	43	482
LOCAL STREETS	8,421	2	470	7,949
TOTAL	12,624	10	1,182	11,432

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	246	1	91
Headlights Defective	4	0	2
Other Lighting Defects	42	1	13
Steering Failure	22	0	11
Tire Failure/Inadequate	118	4	31
Tow Hitch Defective	29	1	3
Over or Improper Load	85	0	11
Oversized Load on Vehicle	78	0	12
Other	530	7	84
None Detected	17,418	162	3,363
Not Stated	779	0	86
TOTAL	19,351	176	4,007

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; 22% on Interstates; 69% on U.S. and State numbered routes. 20% of the hazardous cargo accidents occurred on Interstates, and 40% 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	19	304	968	1,311	1	11	28	40
U.S. Route	30	654	1,665	2,349	1	16	31	48
State Route	29	736	1,884	2,643	1	18	39	58
Other Major Arterial	3	61	104	168	1	4	12	17
County	2	73	521	596	1	3	48	52
Local	2	224	3,004	3,230	0	1	2	3
TOTAL	85	2,046	8,166	10,297	5	53	160	218

The residence of drivers involved in truck accidents are shown below. 23% of the drivers were non-residents of Kentucky, with 22% of the drivers involved in fatal accidents non-residents and 19% of the drivers involved in injury accidents non-residents.

RESIDENCE OF DRIVERS IN TRUCK ACCIDENTS	ALL ACCIDENTS	FATAL ACCIDENTS	INJURY ACCIDENTS
Local Resident	11,804	106	2,860
Other Kentucky Driver	1,003	26	222
Non-Resident Driver (out of state)	4,039	37	750
Not Stated	385	1	27
TOTAL	17,231	170	3,859

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	1	78	2	6	11	7	4	16	18	9	5
Crossing With Signal	2	59	2	2	3	5	4	18	18	7	0
Crossing Against Signal	1	46	0	4	7	6	1	15	5	6	2
Not at Intersection	13	197	17	17	32	18	17	49	16	27	4
Getting On or Off Vehicle	4	56	2	4	8	11	4	14	7	5	1
Emerging From Parked Vehicle	2	26	1	2	2	2	2	7	5	5	0
Walking in Roadway	23	239	3	11	25	33	18	80	30	37	2
Playing in Roadway	3	56	15	21	14	1	1	0	3	1	0
Working in Roadway	1	38	0	0	1	5	5	23	4	0	0
Not in Roadway	10	193	9	7	7	28	20	67	40	9	6
Laying in Roadway	5	17	1	0	1	4	2	8	0	0	1
Darting into Roadway	17	353	49	131	80	31	10	29	10	8	5
Pedestrian Drinking	1	25	0	0	0	0	4	14	3	2	2
Pedestrian Drug Related	2	2	0	0	0	0	0	1	0	1	0
Pedestrian Jogging	0	10	0	0	0	1	0	8	1	0	0
Physical Impairment	0	4	0	0	1	0	0	0	1	2	0
Dark Clothing/Not Visible	2	10	1	0	0	1	0	3	1	4	0
In Crosswalk	0	37	0	3	3	10	6	3	6	5	1
Totals	87	1,446	102	208	195	163	98	355	168	128	29

PEDESTRIAN ACTION	VEHICLE ACTION							
	Straight	Over-Taking	Right Turn	Left Turn	U-Turn	Backing	Other	Total
At Intersection	40	0	12	12	0	3	16	83
Crossing With Signal	13	0	15	27	0	1	7	63
Crossing Against Signal	35	0	2	5	0	0	3	45
Not at Intersection	123	0	4	9	0	21	63	220
Getting On or Off Vehicle	25	0	0	0	0	9	45	79
Emerging From Parked Vehicle	8	1	0	1	0	5	18	33
Walking in Roadway	151	0	3	9	0	35	47	245
Playing in Roadway	33	0	0	1	0	12	10	56
Working in Roadway	23	0	0	1	0	3	27	54
Not in Roadway	69	2	7	6	0	59	85	228
Laying in Roadway	11	0	2	0	0	2	4	19
Darting into Roadway	327	0	1	9	0	3	26	366
Pedestrian Drinking	17	0	0	2	0	1	8	28
Pedestrian Drug Related	2	0	0	0	0	0	0	2
Pedestrian Jogging	6	0	1	0	0	1	1	9
Physical Impairment	3	0	0	0	0	1	0	4
Dark Clothing/Not Visible	6	0	0	1	0	3	1	11
In Crosswalk	19	0	9	2	0	0	10	40
Totals	911	3	56	85	0	159	371	1,585

87 Pedestrians were killed and 1,446 were injured in 1992 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. 35% of the pedestrians killed or injured were 14 years of age or younger, 9% were age 65 and older.



CONTRIBUTING FACTORS

CONTRIBUTING FACTORS

ACCIDENTS INVOLVING PEDESTRIANS	
FATAL ACCIDENTS:	84
INJURY ACCIDENTS:	1,291
TOTAL KILLED:	87
TOTAL INJURED:	1,437

(3 of the persons killed and 146 of the persons injured in pedestrian accidents were someone other than the pedestrian themselves.)

ACCIDENTS INVOLVING SCHOOL AGE CHILDREN	
FATAL ACCIDENTS:	89
INJURY ACCIDENTS:	3,431
TOTAL KILLED:	110
TOTAL INJURED:	8,129

ACCIDENTS INVOLVING SCHOOL BUSES	
FATAL ACCIDENTS:	1
INJURY ACCIDENTS:	123
TOTAL KILLED:	1
TOTAL INJURED:	290

PEDESTRIAN ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	43	9
Failed to Yield Right of Way	72	2
Following Too Close	3	0
Improper Passing	5	2
Disregard of Traffic Controls	14	3
Turning Improperly	3	0
Alcohol Involvement	46	5
Drug Involvement	3	0
Sick	1	0
Fell Asleep	2	1
Lost Consciousness	3	0
Driver Inattention	268	15
Distraction	21	1
Physical Disability	5	1
Other	199	5
None Detected	795	52
Not Stated	155	8
TOTALS	1,640	105

SCHOOL AGE CHILDREN ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	386	20
Failed to Yield Right of Way	663	22
Following Too Close	135	0
Improper Passing	23	3
Disregard of Traffic Controls	137	10
Turning Improperly	45	0
Alcohol Involvement	157	14
Drug Involvement	9	2
Sick	6	0
Fell Asleep	33	2
Lost Consciousness	6	0
Driver Inattention	1,034	12
Distraction	80	0
Physical Disability	9	1
Other	392	21
None Detected	3,132	76
Not Stated	146	5
TOTALS	6,394	188

SCHOOL BUS ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	40	0
Failed to Yield Right of Way	98	1
Following Too Close	28	0
Improper Passing	14	0
Disregard of Traffic Controls	20	1
Turning Improperly	32	0
Alcohol Involvement	8	0
Drug Involvement	2	0
Sick	0	0
Fell Asleep	3	0
Lost Consciousness	1	0
Driver Inattention	401	0
Distraction	32	0
Physical Disability	0	0
Other	179	0
None Detected	804	2
Not Stated	99	0
TOTALS	1,761	4

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:	7
INJURY ACCIDENTS:	44
TOTAL KILLED:	7
TOTAL INJURED:	67

TRAIN ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	0	0
Failed to Yield Right of Way	27	3
Following Too Close	0	0
Improper Passing	0	0
Disregard of Traffic Controls	19	2
Turning Improperly	0	0
Alcohol Involvement	3	0
Drug Involvement	0	0
Sick	0	0
Fell Asleep	0	0
Lost Consciousness	0	0
Driver Inattention	35	4
Distraction	1	0
Physical Disability	0	0
Other	12	0
None Detected	13	0
Not Stated	3	1
TOTALS	113	10

ACCIDENTS INVOLVING BICYCLES	
FATAL ACCIDENTS:	8
INJURY ACCIDENTS:	661
TOTAL KILLED:	8
TOTAL INJURED:	692

BICYCLE ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	10	1
Failed to Yield Right of Way	47	1
Following Too Close	3	0
Improper Passing	2	0
Disregard of Traffic Controls	9	0
Turning Improperly	5	0
Alcohol Involvement	10	1
Drug Involvement	0	0
Sick	0	0
Fell Asleep	0	0
Lost Consciousness	0	0
Driver Inattention	84	1
Distraction	3	0
Physical Disability	0	0
Other	65	1
None Detected	509	4
Not Stated	64	0
TOTALS	811	9

ACCIDENTS INVOLVING MOPEDS	
FATAL ACCIDENTS:	3
INJURY ACCIDENTS:	64
TOTAL KILLED:	3
TOTAL INJURED:	79

MOPED ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	10	0
Failed to Yield Right of Way	15	1
Following Too Close	0	0
Improper Passing	4	0
Disregard of Traffic Controls	4	0
Turning Improperly	3	0
Alcohol Involvement	10	0
Drug Involvement	0	0
Sick	0	0
Fell Asleep	0	0
Lost Consciousness	1	0
Driver Inattention	27	2
Distraction	1	0
Physical Disability	0	0
Other	13	0
None Detected	62	2
Not Stated	7	0
TOTALS	157	5

CONTRIBUTING FACTORS (CONT'D)

ACCIDENTS INVOLVING MOTORCYCLES	
FATAL ACCIDENTS:	32
INJURY ACCIDENTS:	779
TOTAL KILLED:	33
TOTAL INJURED:	951

MOTORCYCLE ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	204	12
Failed to Yield Right of Way	195	6
Following Too Close	27	0
Improper Passing	22	0
Disregard of Traffic Controls	20	0
Turning Improperly	22	3
Alcohol Involvement	104	4
Drug Involvement	3	1
Sick	1	0
Fell Asleep	2	0
Lost Consciousness	2	0
Driver Inattention	275	10
Distraction	17	1
Physical Disability	4	0
Other	137	9
None Detected	679	16
Not Stated	70	0
TOTALS	1,785	62

ACCIDENTS INVOLVING MULTIPLE FATALS	
FATAL ACCIDENTS:	78
TOTAL KILLED:	175
TOTAL INJURED:	108

MULTIPLE FATAL ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	32	32
Failed to Yield Right of Way	21	21
Following Too Close	0	0
Improper Passing	2	2
Disregard of Traffic Controls	4	4
Turning Improperly	1	1
Alcohol Involvement	17	17
Drug Involvement	0	0
Sick	0	0
Fell Asleep	5	5
Lost Consciousness	0	0
Driver Inattention	11	11
Distraction	1	1
Physical Disability	1	1
Other	23	23
None Detected	56	56
Not Stated	3	3
TOTALS	177	177

ACCIDENTS INVOLVING TRUCKS	
FATAL ACCIDENTS:	85
INJURY ACCIDENTS:	2,046
TOTAL KILLED:	98
TOTAL INJURED:	2,983

TRUCK ACCIDENTS		
DRIVER CONTRIBUTING FACTORS	ALL ACCIDENTS	FATAL ACCIDENTS
Unsafe Speed	556	10
Failed to Yield Right of Way	1,378	23
Following Too Close	424	3
Improper Passing	164	4
Disregard of Traffic Controls	232	7
Turning Improperly	385	2
Alcohol Involvement	221	5
Drug Involvement	21	0
Sick	12	0
Fell Asleep	106	5
Lost Consciousness	16	0
Driver Inattention	4,022	25
Distraction	216	2
Physical Disability	20	0
Other	1,888	25
None Detected	9,284	80
Not Stated	1,071	9
TOTALS	20,024	201



**ACCIDENTS
BY
COUNTY**

ACCIDENTS BY COUNTY

1992 vs. 1991

COUNTY	ACCIDENTS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991
Adair	580	467	3	2	139	116	438	349	3	2	217	188
Allen	514	452	3	3	157	136	354	313	3	3	258	231
Anderson	429	497	1	2	117	146	311	349	1	2	179	232
Ballard	240	173	4	1	72	61	164	111	4	1	101	105
Barren	1,313	1,243	11	5	349	332	953	906	16	5	576	524
Bath	339	332	3	3	103	95	233	234	3	4	149	162
Bell	888	896	9	10	241	296	638	590	10	13	408	456
Boone	3,467	3,204	12	5	776	746	2,679	2,453	13	5	1,226	1,091
Bourbon	767	785	9	5	212	195	546	585	10	7	344	280
Boyd	2,280	2,311	8	6	523	483	1,749	1,822	10	7	756	695
Boyle	1,014	1,140	4	4	236	277	774	859	4	4	341	455
Bracken	214	172	4	2	49	48	161	122	4	2	87	76
Breathitt	458	380	4	11	187	146	267	223	4	13	357	266
Breckinridge	300	327	3	5	127	114	170	208	3	7	222	170
Bullitt	1,392	1,195	14	5	425	344	953	846	16	6	635	543
Butler	288	281	5	4	78	70	205	207	5	5	123	117
Caldwell	425	401	5	3	92	90	328	308	6	6	140	134
Calloway	342	332	6	11	121	118	215	203	6	12	198	197
Campbell	3,045	3,221	11	8	661	698	2,373	2,515	11	9	927	1,004
Carlisle	40	62	2	1	10	16	28	45	2	2	17	21
Carroll	472	362	3	5	106	108	363	249	5	5	154	163
Carter	706	685	9	8	188	197	509	480	9	9	308	306
Casey	216	206	2	1	91	69	123	136	2	1	132	115
Christian	2,319	2,113	14	13	547	491	1,758	1,609	16	13	839	713
Clark	1,146	1,057	7	9	268	255	871	793	7	15	372	365
Clay	497	449	4	12	175	143	318	294	8	12	288	232
Clinton	267	263	4	1	65	73	198	189	4	1	97	135
Crittenden	230	198	2	3	57	62	171	133	5	3	72	110
Cumberland	166	157	0	1	45	28	121	128	0	1	75	42
Daviess	3,919	3,804	14	8	831	863	3,074	2,933	14	8	1,242	1,300
Edmonson	284	242	1	2	79	85	204	155	1	2	133	126
Elliott	85	98	2	3	45	49	38	46	2	3	73	94
Estill	394	276	3	2	120	85	271	189	3	2	183	144
Fayette	12,407	11,968	24	22	2,568	2,314	9,815	9,632	26	28	3,744	3,241
Fleming	327	338	2	1	81	102	244	235	2	1	139	171
Floyd	1,369	1,320	14	18	560	507	795	795	15	21	895	823
Franklin	1,967	1,828	8	7	410	353	1,549	1,468	8	7	602	551
Fulton	303	261	3	2	75	67	225	192	3	2	111	106
Gallatin	203	187	1	3	70	60	132	124	1	4	117	101
Garrard	246	267	2	3	76	91	168	173	2	3	127	167

ACCIDENTS BY COUNTY

1992 vs. 1991

COUNTY	ACCIDENTS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991
Grant	805	735	4	5	197	182	604	548	4	6	311	275
Graves	1,115	1,056	8	5	279	284	828	767	8	5	420	429
Grayson	779	580	11	11	191	169	577	400	11	11	313	243
Green	292	223	2	4	77	59	213	160	2	8	128	93
Greenup	887	947	6	2	242	247	639	698	6	2	390	375
Hancock	162	168	1	0	66	45	95	123	3	0	103	63
Hardin	3,039	2,739	16	9	660	591	2,363	2,139	21	12	1,013	979
Harlan	943	926	8	7	313	268	622	651	9	7	498	418
Harrison	601	582	5	5	138	141	458	436	7	6	217	209
Hart	470	387	7	6	118	117	345	264	7	6	198	205
Henderson	2,096	2,271	9	9	538	535	1,549	1,727	10	11	842	850
Henry	456	433	3	1	125	106	328	326	3	1	190	157
Hickman	95	78	3	1	42	31	50	46	3	1	68	46
Hopkins	2,051	2,044	7	19	445	411	1,599	1,614	10	25	640	623
Jackson	190	190	3	6	66	56	121	128	3	6	111	93
Jefferson	29,812	28,911	50	64	6,181	6,106	23,581	22,741	54	69	8,955	9,039
Jessamine	1,185	1,103	3	11	277	248	905	844	3	13	415	387
Johnson	610	569	7	3	206	186	397	380	11	4	341	297
Kenton	5,797	5,756	9	19	1,228	1,275	4,560	4,462	9	19	1,775	1,812
Knott	360	307	7	6	160	150	193	151	8	6	247	286
Knox	763	689	10	8	247	248	506	430	12	9	400	422
Larue	402	302	2	2	138	96	262	204	2	2	219	143
Laurel	1,477	1,263	10	10	397	368	1,070	885	10	15	651	598
Lawrence	300	267	5	7	94	68	201	192	5	7	158	110
Lee	159	134	1	1	38	36	120	97	1	1	56	60
Leslie	135	127	0	4	60	56	75	67	0	5	108	76
Letcher	623	599	5	7	219	186	399	406	6	8	364	308
Lewis	304	296	0	7	86	107	218	182	0	8	130	183
Lincoln	514	456	5	4	173	153	336	299	9	5	301	248
Livingston	211	167	2	5	66	54	143	108	2	5	91	77
Logan	803	694	9	8	209	192	585	494	9	11	339	311
Lyon	221	120	2	1	58	39	161	80	4	1	95	57
McCracken	3,430	3,283	5	9	840	728	2,585	2,546	7	10	1,237	1,129
McCreary	280	253	9	7	86	88	185	158	10	7	161	157
McLean	184	230	4	1	65	90	115	139	4	1	93	148
Madison	2,776	2,527	11	14	631	550	2,134	1,963	11	14	975	854
Magoffin	281	292	5	2	136	144	140	146	6	2	259	239
Marion	531	490	3	4	165	146	363	340	3	6	267	230
Marshall	733	681	12	2	12	225	501	454	13	2	332	356
Martin	386	350	4	2	4	133	226	215	4	2	255	216

ACCIDENTS BY COUNTY

1992 vs. 1991

COUNTY	ACCIDENTS						PERSONS					
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991
Mason	1,023	944	6	4	198	194	819	746	7	5	315	304
Meade	507	510	7	5	148	164	352	341	7	8	253	283
Menifee	94	80	0	0	38	39	56	41	0	0	65	59
Mercer	747	644	2	8	187	188	558	448	2	8	309	310
Metcalfe	174	187	4	1	35	72	135	114	6	2	60	116
Monroe	195	197	5	2	51	57	139	138	5	2	80	95
Montgomery	724	689	4	7	210	192	510	490	4	7	339	338
Morgan	314	292	4	3	118	126	192	163	6	3	185	216
Muhlenberg	1,118	991	4	3	314	286	800	702	6	3	506	447
Nelson	1,074	959	14	4	250	228	810	727	16	4	429	348
Nicholas	142	147	0	1	38	42	104	104	0	2	52	64
Ohio	600	568	8	3	217	190	375	375	9	3	347	291
Oldham	874	832	3	0	229	233	642	599	3	0	356	352
Owen	264	247	4	6	97	78	163	163	5	6	150	137
Owsley	103	97	2	2	40	30	61	65	2	2	70	53
Pendleton	319	283	1	4	97	86	221	193	1	7	161	160
Perry	1,190	1,066	14	8	384	343	792	715	15	9	589	559
Pike	2,579	2,651	27	22	885	908	1,667	1,721	32	27	1,397	1,434
Powell	286	296	4	2	92	88	190	206	5	2	150	143
Pulaski	1,830	1,575	11	16	452	376	1,367	1,183	12	18	742	616
Robertson	22	12	0	0	7	8	15	4	0	0	8	13
Rockcastle	468	438	11	7	150	141	307	290	13	8	264	260
Rowan	951	936	3	4	222	234	726	698	3	4	353	377
Russell	480	385	0	5	124	110	356	270	0	5	185	186
Scott	1,261	1,111	5	7	273	265	983	839	5	8	413	401
Shelby	1,149	1,029	7	10	288	246	854	773	8	11	445	398
Simpson	588	507	6	4	154	126	428	377	6	5	242	206
Spencer	174	134	0	1	69	53	105	80	0	1	101	84
Taylor	817	762	3	8	199	143	615	611	3	8	326	233
Todd	309	255	3	6	89	85	217	164	3	7	134	126
Trigg	377	301	5	3	99	77	273	221	6	3	156	123
Trimble	157	150	2	4	46	50	109	96	4	4	62	82
Union	485	469	2	1	141	129	342	339	2	2	204	225
Warren	4,502	4,432	10	22	1,153	1,185	3,339	3,225	14	23	1,766	1,785
Washington	305	260	3	5	73	54	229	201	4	6	111	84
Wayne	486	413	4	4	130	102	352	307	4	4	203	165
Webster	407	365	4	2	122	87	281	276	4	3	175	115
Whitley	986	866	10	9	252	256	724	601	11	10	445	438
Wolfe	202	208	4	2	71	71	127	135	4	2	123	104
Woodford	812	742	3	1	184	170	625	571	5	1	267	224
TOTALS (State)	141,211	134,202	722	724	34,691	32,955	105,798	100,523	819	828	53,168	50,707

1992 vs. 1991

ACCIDENTS INVOLVING DRINKING DRIVERS

6,968 accidents in which a driver was known to have been drinking were reported during 1992. A breakdown of accidents (fatal, non-fatal injury, and property damage), by county, for 1991 vs. 1992, 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	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991
Adair	28	24	1	1	12	14	15	9	1	1	21	23
Allen	29	37	0	2	21	18	8	17	0	2	35	29
Anderson	24	28	0	0	11	17	13	11	0	0	14	25
Ballard	17	15	1	0	6	11	10	4	1	0	6	15
Barren	45	62	4	4	20	30	21	28	5	4	29	49
Bath	17	28	1	2	12	14	4	12	1	3	25	31
Bell	42	66	2	7	21	35	19	24	2	9	42	66
Boone	126	148	3	1	57	71	66	76	4	1	84	106
Bourbon	44	49	2	3	18	27	24	19	3	5	30	37
Boyd	83	84	1	1	42	26	40	57	1	2	56	41
Boyle	27	34	1	2	18	19	8	13	1	2	27	38
Bracken	12	9	2	1	3	5	7	3	2	1	8	11
Breathitt	47	40	2	5	26	24	19	11	2	6	52	44
Breckinridge	24	17	0	2	20	10	4	5	0	4	38	22
Bullitt	101	59	4	0	46	29	51	30	4	0	80	44
Butler	10	10	0	2	5	5	5	3	0	3	8	12
Caldwell	21	18	0	1	12	8	9	9	0	4	18	12
Calloway	38	35	1	4	21	18	16	13	1	5	34	30
Campbell	134	158	3	3	60	55	71	100	3	4	88	77
Carlisle	3	1	0	0	3	0	0	1	0	0	4	0
Carroll	35	31	1	3	15	15	19	13	1	3	19	28
Carter	34	55	2	4	18	24	14	27	2	4	31	42
Casey	6	12	0	0	4	10	2	2	0	0	4	13
Christian	138	147	3	8	68	70	67	69	4	8	106	98
Clark	75	77	1	3	33	35	41	39	1	8	52	64
Clay	30	45	0	6	19	24	11	15	0	6	26	39
Clinton	20	15	2	1	9	8	9	6	2	1	14	13
Crittenden	8	11	0	1	3	7	5	3	0	1	4	14
Cumberland	7	5	0	0	6	2	1	3	0	0	8	2
Daviness	215	208	2	3	88	94	125	111	2	3	149	143
Edmonson	20	19	0	2	11	8	9	9	0	2	17	11
Elliott	10	17	1	3	5	9	4	5	1	3	10	20
Estill	18	25	1	1	10	14	7	10	1	1	14	23
Fayette	544	571	2	9	212	209	330	353	2	11	797	290
Fleming	21	21	0	0	9	12	12	9	0	0	10	18
Floyd	107	103	4	4	65	69	38	30	5	4	95	119
Franklin	103	98	2	3	39	45	62	50	2	3	58	79
Fulton	12	11	1	0	6	4	5	7	1	0	9	7
Gallatin	15	21	1	1	5	10	9	10	1	1	5	17
Garrard	15	20	1	0	7	13	7	7	1	0	10	22

1992 vs. 1991 ACCIDENTS INVOLVING DRINKING DRIVERS

COUNTY	ACCIDENTS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991
Grant	29	28	0	1	16	12	13	15	0	1	29	21
Graves	53	56	1	1	28	27	24	28	1	1	39	41
Grayson	40	50	4	7	21	27	15	16	4	7	37	31
Green	6	5	1	2	2	3	3	0	1	5	3	4
Greenup	40	51	0	1	23	26	17	24	0	1	38	36
Hancock	12	6	0	0	10	2	2	4	0	0	18	3
Hardin	99	106	1	2	45	47	53	57	1	4	72	82
Harlan	66	74	2	3	41	39	23	32	3	3	66	53
Harrison	27	35	0	3	13	21	14	11	0	4	15	30
Hart	30	20	1	2	18	10	11	8	1	2	22	10
Henderson	113	109	0	3	44	43	69	63	0	4	53	68
Henry	36	33	1	0	19	17	16	16	1	0	27	18
Hickman	6	7	0	1	6	6	0	0	0	1	13	10
Hopkins	98	87	0	6	44	46	54	35	0	7	65	70
Jackson	12	12	1	2	8	8	3	2	1	2	19	11
Jefferson	1,254	1,289	15	31	531	567	708	691	16	34	786	891
Jessamine	50	53	0	7	20	21	30	25	0	9	27	36
Johnson	19	22	1	3	13	13	5	6	1	4	20	17
Kenton	344	338	0	6	124	139	220	193	0	6	192	192
Knott	27	27	1	4	17	15	9	8	1	4	27	22
Knox	41	36	2	3	23	23	16	10	3	3	31	43
Larue	21	17	0	2	10	9	11	6	0	2	19	16
Laurel	80	88	4	3	40	46	36	39	4	5	78	82
Lawrence	23	20	1	5	14	10	8	5	1	5	21	20
Lee	7	9	0	1	4	2	3	6	0	1	4	3
Leslie	14	16	0	3	8	10	6	3	0	4	17	11
Letcher	30	38	0	2	17	25	13	11	0	3	23	42
Lewis	26	24	0	2	13	14	13	8	0	3	18	28
Lincoln	35	35	0	2	22	18	13	15	0	3	32	36
Livingston	9	14	0	2	5	7	4	5	0	2	7	9
Logan	36	42	3	5	23	22	10	15	3	7	48	56
Lyon	15	11	1	1	8	6	6	4	1	1	12	10
McCracken	162	154	1	5	68	75	93	74	1	5	116	102
McCreary	23	26	2	5	12	5	9	16	2	5	27	13
McLean	20	16	1	1	14	14	5	1	1	1	18	21
Madison	158	183	2	4	61	79	95	100	2	4	114	136
Magoffin	30	42	1	1	22	27	7	14	1	1	30	40
Marion	49	60	2	4	29	31	18	25	2	6	45	49
Marshall	32	29	3	0	18	21	11	8	4	0	34	25
Martin	17	22	0	0	10	13	7	9	0	0	21	23

1992 vs. 1991 ACCIDENTS INVOLVING DRINKING DRIVERS

COUNTY	ACCIDENTS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991
Mason	46	53	1	1	13	27	32	25	1	1	31	58
Meade	46	45	2	4	20	20	24	21	2	5	34	33
Menifee	11	3	0	0	9	3	2	0	0	0	21	4
Mercer	39	39	1	3	19	14	19	22	1	3	37	25
Metcalfe	9	16	1	0	4	12	4	4	1	0	4	15
Monroe	8	16	0	0	3	7	5	9	0	0	4	7
Montgomery	45	40	1	5	18	17	26	18	1	5	32	28
Morgan	21	29	0	3	14	20	7	6	0	3	19	32
Muhlenberg	64	51	2	0	36	30	26	21	3	0	74	37
Nelson	54	51	0	1	34	27	20	23	0	1	52	35
Nicholas	7	21	0	0	6	13	1	8	0	0	7	21
Ohio	40	33	2	1	27	19	11	13	2	1	38	22
Oldham	28	35	0	0	19	18	9	17	0	0	40	22
Owen	17	15	0	2	8	6	9	7	0	2	11	9
Owsley	15	9	2	1	8	3	5	5	2	1	13	6
Pendleton	19	14	0	1	13	5	6	8	0	2	21	5
Perry	89	70	4	4	51	41	34	25	5	4	85	65
Pike	137	178	6	5	67	93	64	80	6	5	97	139
Powell	17	14	0	0	8	7	9	7	0	0	12	12
Pulaski	59	72	1	9	29	33	29	30	1	9	48	58
Robertson	2	3	0	0	1	3	1	0	0	0	1	5
Rockcastle	19	29	3	1	7	23	9	5	4	1	13	50
Rowan	50	52	1	2	20	29	29	21	1	2	36	52
Russell	22	33	0	3	14	16	8	14	0	3	17	37
Scott	48	51	0	3	22	24	26	24	0	3	34	32
Shelby	45	57	4	4	22	25	19	28	5	5	43	35
Simpson	29	32	2	0	14	15	13	17	2	0	21	27
Spencer	19	20	0	1	12	12	7	7	0	1	26	21
Taylor	26	24	1	2	10	14	15	9	1	2	15	22
Todd	24	25	1	0	9	19	14	6	1	0	14	25
Trigg	23	16	0	1	11	6	12	9	0	1	16	12
Trimble	13	10	0	2	6	7	7	1	0	2	8	13
Union	29	25	1	1	14	17	14	7	1	2	26	27
Warren	192	220	1	9	95	99	96	112	2	10	133	141
Washington	12	19	1	3	7	9	4	7	2	4	11	15
Wayne	25	23	3	1	12	11	10	11	3	1	18	26
Webster	19	18	0	1	13	7	6	10	0	2	17	13
Whitley	52	58	5	5	26	29	21	24	5	6	52	54
Wolfe	9	16	1	2	3	8	5	6	1	2	4	15
Woodford	45	42	1	1	21	21	23	20	2	1	37	27
TOTALS	6,968	7,301	152	311	3,275	3,472	3,541	3,518	168	365	5,142	5,467

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 348 drivers were suspected of being under the influence of drugs based on preliminary investigation of the officer investigating the accident. 8 drivers were involved in fatal accidents (8 persons killed) and 165 drivers were involved in injury accidents (252 persons injured).

COUNTY	ALL ACCIDENTS	FATAL ACCIDENTS	INJURY ACCIDENTS	PERSONS KILLED	PERSONS INJURED
ADAIR	3	0	2	0	2
ALLEN	4	1	3	1	3
ANDERSON	0	0	0	0	0
BALLARD	0	0	0	0	0
BARREN	2	0	1	0	1
BATH	1	0	1	0	2
BELL	8	0	5	0	8
BOONE	9	0	4	0	6
BOURBON	1	0	0	0	0
BOYD	7	0	3	0	4
BOYLE	1	0	1	0	1
BRACKEN	1	0	0	0	0
BREATHITT	2	0	2	0	2
BRECKINRIDGE	0	0	0	0	0
BULLITT	4	0	2	0	2
BUTLER	1	0	0	0	0
CALDWELL	1	0	0	0	0
CALLOWAY	1	0	0	0	0
CAMPBELL	8	0	5	0	12
CARLISLE	0	0	0	0	0
CARROLL	1	0	0	0	0
CARTER	0	0	0	0	0
CASEY	0	0	0	0	0
CHRISTIAN	4	0	2	0	2
CLARK	5	0	3	0	4
CLAY	7	1	5	1	14
CLINTON	0	0	0	0	0
CRITTENDEN	1	0	1	0	1
CUMBERLAND	0	0	0	0	0
DAVISS	14	0	5	0	5
EDMONSON	3	1	2	1	3
ELLIOTT	1	0	1	0	1
ESTILL	2	0	0	0	0
FAYETTE	20	0	7	0	12
FLEMING	0	0	0	0	0
FLOYD	5	0	2	0	3
FRANKLIN	5	0	0	0	0
FULTON	3	0	2	0	2
GALLATIN	0	0	0	0	0

COUNTY	ALL ACCIDENTS	FATAL ACCIDENTS	INJURY ACCIDENTS	PERSONS KILLED	PERSONS INJURED
GARRARD	0	0	0	0	0
GRANT	4	0	4	0	8
GRAVES	1	0	1	0	1
GRAYSON	0	0	0	0	0
GREEN	0	0	0	0	0
GREENUP	4	0	2	0	2
HANCOCK	0	0	0	0	0
HARDIN	4	0	1	0	1
HARLAN	7	1	3	1	6
HARRISON	2	0	0	0	0
HART	2	0	1	0	1
HENDERSON	4	0	0	0	0
HENRY	0	0	0	0	0
HICKMAN	0	0	0	0	0
HOPKINS	4	0	2	0	2
JACKSON	3	1	0	1	4
JEFFERSON	26	0	7	0	9
JESSAMINE	1	0	1	0	1
JOHNSON	4	0	3	0	4
KENTON	20	0	9	0	9
KNOTT	1	1	0	1	1
KNOX	7	0	4	0	4
LARUE	1	0	1	0	2
LAUREL	4	0	3	0	5
LAWRENCE	0	0	0	0	0
LEE	0	0	0	0	0
LESLIE	6	0	6	0	16
LETCHER	2	0	2	0	2
LEWIS	0	0	0	0	0
LINCOLN	2	0	2	0	4
LIVINGSTON	0	0	0	0	0
LOGAN	1	0	1	0	2
LYON	0	0	0	0	0
McCRACKEN	14	0	6	0	9
McCREARY	0	0	0	0	0
McLEAN	0	0	0	0	0
MADISON	4	0	2	0	4
MAGOFFIN	4	0	2	0	3
MARION	0	0	0	0	0

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	4	0	0	0	0
MASON	2	0	0	0	0
MEADE	4	0	4	0	8
MENIFEE	0	0	0	0	0
MERCER	3	0	2	0	3
METCALFE	1	0	0	0	0
MONROE	0	0	0	0	0
MONTGOMERY	2	0	2	0	3
MORGAN	0	0	0	0	0
MUHLENBERG	6	0	4	0	5
NELSON	1	0	0	0	0
NICHOLAS	0	0	0	0	0
OHIO	0	0	0	0	0
OLDHAM	1	0	1	0	1
OWEN	4	0	3	0	5
OWSLEY	3	0	1	0	1
PENDLETON	0	0	0	0	0
PERRY	3	0	2	0	2
PIKE	20	0	12	0	16
POWELL	0	0	0	0	0
PULASKI	4	0	0	0	0

COUNTY	ALL ACCIDENTS	FATAL ACCIDENTS	INJURY ACCIDENTS	PERSONS KILLED	PERSONS INJURED
ROBERTSON	0	0	0	0	0
ROCKCASTLE	0	0	0	0	0
ROWAN	1	0	2	0	0
RUSSELL	3	0	0	0	2
SCOTT	0	0	0	0	0
SHELBY	4	0	1	0	1
SIMPSON	0	0	1	0	0
SPENCER	1	0	1	0	1
TAYLOR	4	0	0	0	3
TODD	1	0	0	0	0
TRIGG	1	0	0	0	0
TRIMBLE	1	0	1	0	1
UNION	2	1	0	1	3
WARREN	8	0	2	0	2
WASHINGTON	0	0	0	0	0
WAYNE	0	0	0	0	0
WEBSTER	0	0	0	0	0
WHITLEY	4	1	3	1	4
WOLFE	2	0	1	0	1
WOODFORD	1	0	0	0	0
TOTAL	348	8	165	8	252

DRUG INVOLVED ACCIDENTS BY AREA DEVELOPMENT DISTRICT

AREA DEVELOPMENT DISTRICT	TOTAL NUMBER REPORTED	TYPE ACCIDENT REPORTED		NUMBER PERSONS	
		FATAL	INJURY	KILLED	INJURED
Purchase	6,298	43	1,659	46	2,484
Pennyrile	7,261	44	1,767	58	2,673
Green River	7,853	42	1,980	46	3,006
Barren River	9,131	61	2,383	72	3,775
Lincoln Trail	6,937	59	1,876	67	2,827
Jefferson KIPDA	34,014	79	7,363	88	10,744
Northern Kentucky	14,372	45	3,232	49	4,821
Buffalo Trace	1,850	8	441	9	693
Gateway	2,422	14	491	16	1,091
FIVCO	4,258	30	1,092	32	1,685
Big Sandy	5,225	57	1,943	68	3,147
Kentucky River	3,028	33	1,088	36	1,791
Cumberland Valley	5,269	57	1,528	67	2,567
Lake Cumberland	5,414	38	1,408	40	2,266
Bluegrass	22,718	86	5,171	99	7,758
STATE TOTALS	136,050	696	33,422	793	51,328



**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 26% 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	5	0	0
16	33	3	.09
17	41	13	.31
18	41	12	.29
19	38	13	.34
20	29	9	.31
21	47	19	.40
22-24	78	29	.37
25-34	268	102	.38
35-44	185	49	.26
45-54	110	16	.14
55-64	78	10	.12
65-74	64	6	.09
Over 74	49	1	.02
Unknown	4	1	.25
TOTALS	1,070	283	.26

ALCOHOL INVOLVEMENT BY AGE AND TEST RESULTS FOR DRIVERS INVOLVED IN 1992 FATAL ACCIDENTS

DURING 1992, 303 PERSONS WERE KILLED IN FATAL ACCIDENTS INVOLVING A DRINKING DRIVER. THIS REPRESENTS 37% OF ALL PERSONS KILLED IN TRAFFIC ACCIDENTS IN KENTUCKY DURING 1992.

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	0	0	0	0	0	0	0	0	0
16	3	2	0	0	0	1	0	0	0
17	13	2	2	2	4	2	0	0	0
18	12	0	0	2	8	0	0	0*	2
19	13	2	0	4	4	0	0	3	0
20	9	1	1	2	3	0	0	2	0
21	19	2	3	3	5	5	0	0	1
22-24	29	1	3	3	10	9	0	0	3
25-34	102	2	7	4	37	40	0	5	6
35-44	49	1	4	3	17	15	0	3	5
45-54	16	0	4	2	8	1	0	0	1
55-64	10	0	1	0	2	7	0	0	0
65-74	6	0	0	0	3	2	0	0	1
75 +	1	0	1	0	0	0	0	0	0
TOTAL	282	13	26	25	101	82	0	13	19

*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 1992, 18% OF THE FATALLY INJURED PEDESTRIANS OVER THE AGE OF 15 WERE DRINKING. THEIR AVERAGE ALCOHOL TEST WAS 0.24%

AGE	TOTAL	NUMBER DRINKING	AVERAGE TEST RESULTS
0-5	2	0	0
6-10	10	0	0
11-15	6	0	0
16-20	4	1	.22
21-25	8	3	.25
26-30	6	4	.25
31-40	9	2	.22
41-50	11	0	.0
51-60	6	1	.29
61-70	7	1	.24
71-80	13	1	.22
81+	5	0	0
TOTAL	87	13	.24

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 1992 FARS data strongly confirms both the life-saving advantage as well as the reduction of serious injury when restraints are in place. 83 PERCENT OF THE VEHICLE OCCUPANTS KILLED DURING 1992 WERE NOT RESTRAINED. 73 PERCENT OF THE VEHICLE OCCUPANTS SUFFERING INCAPACITATING INJURY WERE NOT RESTRAINED. 64 PERCENT OF THE OCCUPANTS SUFFERING NON-INCAPACITATING INJURY WERE NOT RESTRAINED.

Result	Restraint Used	Restraint Not Used	Unknown If Used	TOTAL
Fatal Injury	112	639	17	768
Incapacitating Injury	113	323	6	442
Non-Incapacitating Injury	88	158	0	246
Possible Injury	27	61	6	94
No Injury	151	170	18	339
Unknown If Injured	0	0	1	1
Injured, Severity Unknown	2	0	0	2
TOTAL	493	1,351	48	1,892

Of the 1,892 vehicle occupants involved in fatal accidents in 1992, only 493 were using safety restraints - an overall usage rate of 26% in fatal accidents.

EJECTION

Result	Total Ejection	Partial Ejection	No Ejection	Unknown	TOTAL
Fatal Injury	126	51	588	3	768
Incapacitating Injury	52	7	381	2	442
Non-Incapacitating Injury	10	2	234	0	246
Possible Injury	3	0	89	2	94
No Injury	0	0	335	4	339
Unknown If Injured	0	0	1	0	1
Injured, Severity Unknown	0	0	2	0	2
TOTAL	191	60	1,630	11	1,892

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. 16% of the persons killed were ejected. 65 % 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	8	1	1	6	0
Injured (incapacitating)	19	4	2	12	1
Injured (non-incapacitating)	9	6	2	1	0
Injured (possible)	6	2	1	3	0
Not Injured	19	8	9	2	0
TOTAL	61	21	15	24	1

Of the 61 child occupants (4 and under) in 1992 fatal accidents only 21 children were secured in a child restraint. Of the 8 children killed, 6 had no restraint and only 1 was 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.

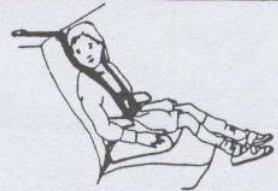

Always wear your own safety belt.

■ 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

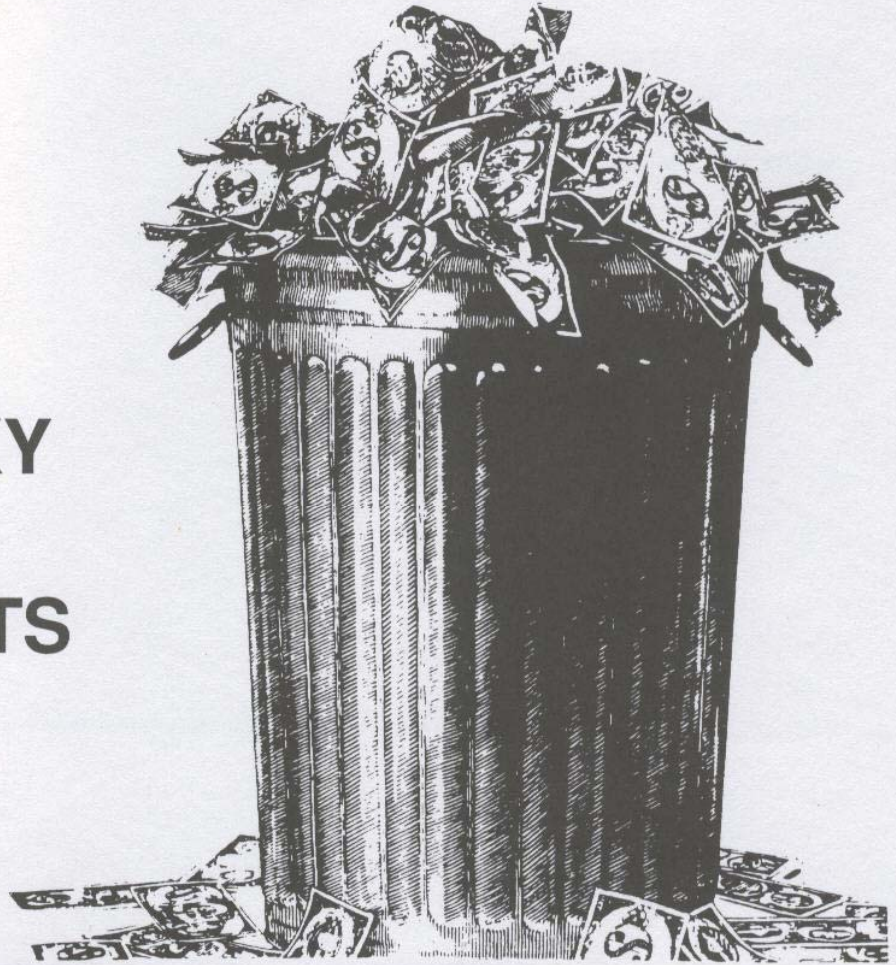
1. Never hold a child on your lap
2. Use a crash-tested seat
3. Always use the harness/shield
4. Attach the car safety belt correctly

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

\$1.5 - \$1.9 BILLION

THE COST of KENTUCKY TRAFFIC ACCIDENTS

1992



The calculable costs of motor vehicle accidents include wage loss, medical expense, insurance administration costs, and property damage. Two formulas provided by the National Safety Council were used to arrive at a cost range for traffic accidents in Kentucky during 1992.

The **high** range (\$1.9 billion) was derived from the following formula:

Cost per	Number X Reported	Estimated = Cost
Fatalities @ \$450,000	X 819	= \$368,550,000
Non Fatal Injuries @ \$20,300	X 53,168	= \$1,079,310,400
Property Damage @ \$4,200	X 105,798	= \$444,351,600
TOTAL, HIGH ESTIMATE:		\$1,892,212,000

The **low** range (\$1.5 billion) was derived from the following formula:

Urban Accidents Deaths	Average X Cost	Estimated = Cost
157	X \$3,520,000	= \$552,640,000
Rural Accident Deaths		
662	X \$1,460,000	= \$966,520,000
TOTAL, LOW ESTIMATE:		\$1,519,160,000

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RECORDS SECTION
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Frankfort, Kentucky 40601

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