

**K  
E  
N  
T  
U  
C  
K  
Y**

# ***TRAFFIC COLLISION FACTS***



**2004  
REPORT**



COMMONWEALTH OF KENTUCKY  
OFFICE OF THE GOVERNOR

ERNIE FLETCHER  
GOVERNOR

700 CAPITOL AVENUE  
SUITE 100  
FRANKFORT, KY 40601  
(502) 564-2611  
FAX: (502) 564-2517

My Fellow Kentuckians:

This 2004 KENTUCKY TRAFFIC COLLISION FACTS report provides us with valuable statistics concerning traffic collisions on the roadways of our Commonwealth. These figures should also remind us that motor vehicle travel, although required by most to provide our very livelihood, many times results in injury and even death.

*Each year I am saddened to learn, through this publication, the number of individuals killed and injured in traffic collisions throughout our State. This year, the number of fatalities for 2004 increased by 3.5 percent, with thirty-three more fatalities than during 2003. **The 978 people who lost their lives in fatal traffic collisions in Kentucky represents a far too great portion of our most valuable asset - our citizens.***



Injury and death on our highways can be dramatically reduced if everyone will **be alert, observe speed limits, never drink and drive, and always buckle-up.** By following these few, common-sense rules, we can make our roadways safer for all Kentuckians.

Sincerely,

A handwritten signature in cursive script that reads "Ernie Fletcher".  
Ernie Fletcher



ERNIE FLETCHER  
GOVERNOR

**KENTUCKY STATE POLICE**  
919 VERSAILLES ROAD  
FRANKFORT, KY 40601  
www.kentucky.gov

MARK L. MILLER  
COMMISSIONER

The Honorable Ernie Fletcher  
Governor of Kentucky  
The Capitol  
Frankfort, Kentucky 40601

Dear Governor Fletcher:

Kentucky Revised Statutes, Chapter 189.635 mandates that the Kentucky State Police collect and tabulate the traffic collision reports submitted by all law enforcement agencies across the Commonwealth.

In adherence to this statute, the Kentucky State Police proudly presents the 2004 KENTUCKY TRAFFIC COLLISION FACTS report. This report provides a collection of statistical data, based on comprehensive evaluation and analyses of fatal, injury, and property damage collisions.

The Kentucky State Police would like to take this opportunity to thank all law enforcement agencies that contribute data. In addition, gratitude is also extended to the Kentucky Transportation Center, College of Engineering at University of Kentucky for their efforts in the successful completion of this report. For eleven consecutive years, this mutually beneficial joint-effort has produced an accurate account of traffic collision data, while also offering a broader analytical insight into several special interest areas.

We sincerely hope that the information contained herein provides beneficial information to law enforcement agencies, as well as various other national, state and local organizations. Most importantly, we hope this data will inspire all citizens to work with officials to create a more heightened sense of highway safety across our great Commonwealth.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "MLM", written over the typed name and title.

Mark L. Miller  
Commissioner

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

This 2004 Collision Facts Report

would like to

remember

the

**NINE HUNDRED SEVENTY-EIGHT CITIZENS**

who were victims of fatal traffic collisions

during 2004.

# **KENTUCKY**

## **TRAFFIC COLLISION FACTS**

### **2004**

Prepared by:

**Kentucky Transportation Center  
College of Engineering  
University of Kentucky  
Lexington, Kentucky 40506-0281**

In Cooperation with:

**Kentucky State Police  
Commonwealth of Kentucky**

Please Direct Inquires to:

**Statistics Section  
Records Branch  
Kentucky State Police  
1250 Louisville Road  
Frankfort, Kentucky 40601  
(502) 226-2169**

# TABLE OF CONTENTS

Message from the Governor, Commonwealth of Kentucky

Transmittal Letter, Commissioner, Kentucky State Police

Dedication

Introduction .....	iii
2004 Collision Summary .....	1
Death and Injury Summary .....	2
Fatalities by Age and Sex .....	3
Severity of Injury by Type of Collision .....	4
Occurrence of Collisions by Type .....	5
Types of Collisions .....	6
Pedestrian Collisions .....	7
Hit-and-Run Collisions .....	8
Land Use .....	9
Collision Locations (Rural vs. Urban) .....	9
Location of Collisions (Type of Roadway) .....	10
Collisions on Interstates and Parkways .....	10
Collisions by Roadway Conditions and Roadway Character .....	11
Collisions by Light Condition .....	12
Two-Vehicle Collisions .....	13
Collisions by Day and Month .....	14
Holiday Collisions .....	15
Type of Vehicles Involved in Collisions .....	16
Truck Collisions .....	17

<b>Driver Involvement by Residence and Sex</b> .....	<b>18</b>
<b>Age of Driver (All Collisions)</b> .....	<b>19</b>
<b>Age of Driver (Fatal Collisions)</b> .....	<b>20</b>
<b>Collisions Involving Teenage Drivers</b> .....	<b>21</b>
<b>Alcohol-Related Collisions</b> .....	<b>22</b>
<b>Safety Restraints</b> .....	<b>23</b>
<b>Intersection Collisions</b> .....	<b>24</b>
<b>Contributing Factors - All Collisions</b> .....	<b>27</b>
<b>Contributing Factors - Specific Type of Collision</b> .....	<b>29</b>
<b>Collisions by County</b> .....	<b>37</b>
<b>Collisions Involving Drinking Drivers by County</b> .....	<b>40</b>
<b>Drivers Under Influence of Drugs by County</b> .....	<b>43</b>
<b>Collisions by Area Development District</b> .....	<b>44</b>
<b>Alcohol and Drug Collisions by Area Development District</b> .....	<b>45</b>
<b>Collisions by County (Parking Lot/Private Property)</b> .....	<b>49</b>
<b>Types of Collisions (Parking Lot/Private Property)</b> .....	<b>52</b>
<b>Age of Driver (Parking Lot/Private Property)</b> .....	<b>53</b>
<b>Contributing Factors (Parking Lot/Private Property)</b> .....	<b>54</b>
<b>Fatality Analysis Reporting System</b> .....	<b>59</b>
<b>Drivers Involved in Fatal Collisions - Age and Alcohol Involvement</b> .....	<b>59</b>
<b>Alcohol Involvement by Age and Test Results for Drivers Involved in Fatal Collisions</b> .....	<b>60</b>
<b>Fatally Injured Pedestrians</b> .....	<b>60</b>
<b>Safety Restraints and Ejection in Fatal Collisions</b> .....	<b>61</b>
<b>Child Restraints in Fatal Collisions</b> .....	<b>62</b>
<b>Cost of Kentucky Traffic Collisions</b> .....	<b>63</b>
<b>Installing Your Safety Seat</b> .....	<b>64</b>

# INTRODUCTION

KENTUCKY'S TRAFFIC COLLISION FACTS report for 2004 is based on collision reports submitted to the Kentucky State Police Records Branch. 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 collisions 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 collision. The collision data is contained in an automatic system (Collision Report Analysis for Safer Highways) (CRASH). This system has edit checks for accuracy. Computer tabulations and summaries are again checked for accuracy before information is released or disseminated. It is hoped that the detailed information presented in the 2004 Kentucky Traffic Collision Facts report will, in fact, "improve the traffic safety program within the Commonwealth."

**Definitions and Terms:** the National MANUAL ON CLASSIFICATION OF MOTOR VEHICLE TRAFFIC CRASHES is used to ensure uniformity and compliance with federal requirements. Standard definitions and terms used in this booklet include the following:

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

**Collision:** 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 Collision:** is any motor vehicle collision that results in fatal injuries to one or more persons.

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

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

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

**Property Damage Collision:** any motor vehicle collision 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-Related Collision:** any collision in which an operator was observed to have been drinking by the officer investigating the collision.

**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 collisions are included throughout this report. Additional data on fatal collisions can be found in the section titled "Kentucky's Fatality Analysis Reporting System (FARS)", pages 57-62.

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

**NOTE:** Beginning with the 2000 Kentucky Traffic Collision Facts report, these statistics were tabulated under modified formats. Data from parking lots and private property are reported but summarized separately from collisions on public roads. Civilian report data are not included. **UNLESS OTHERWISE NOTED, THE DATA ARE FOR PUBLIC ROADS ONLY.** Therefore, some data are not directly comparable to previous years.



# **COLLISION SUMMARY**

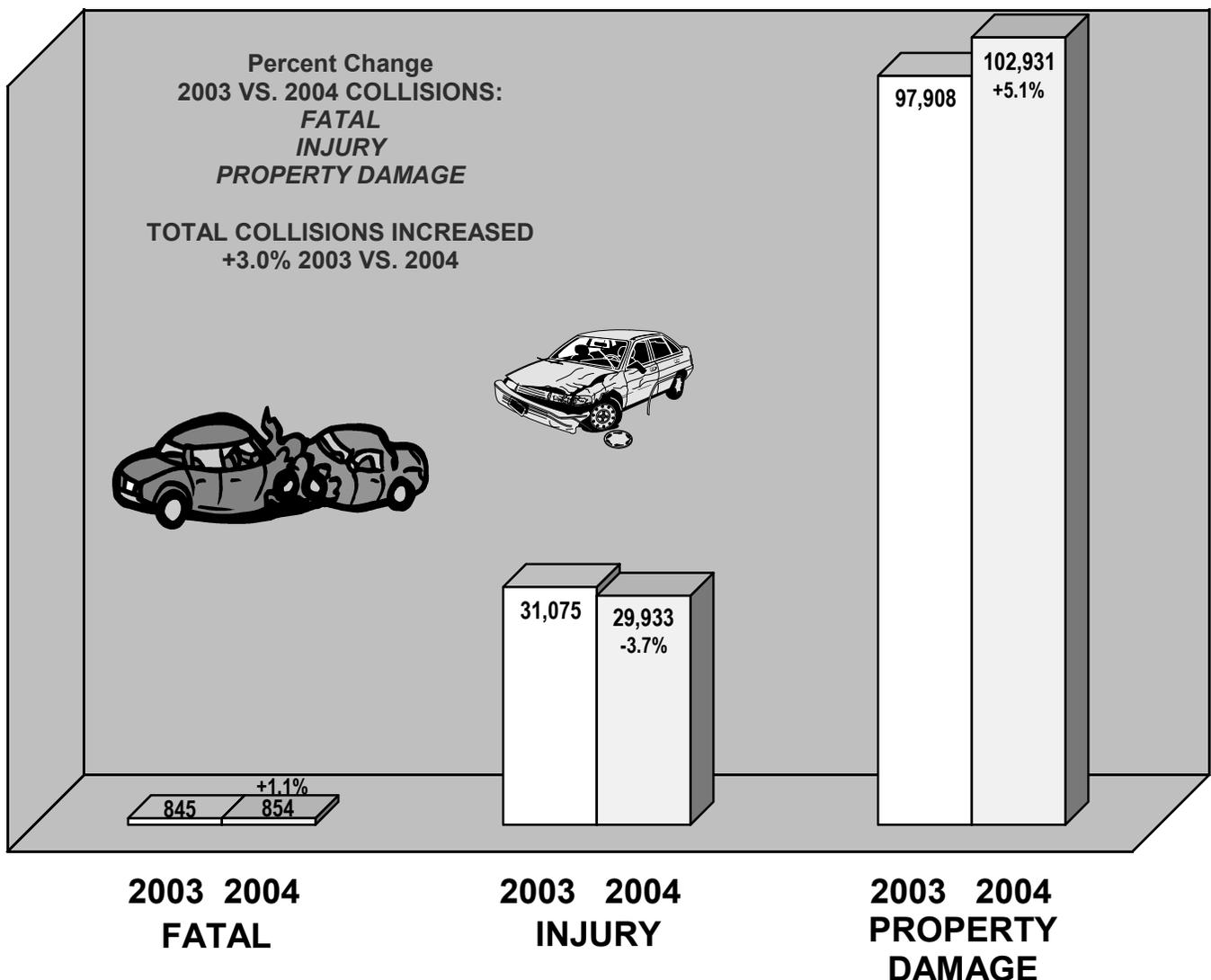
# 2004 COLLISION SUMMARY

TYPE COLLISION REPORTED	2003	2004	PERCENT CHANGE
FATAL (Public Roads)	845	854	+1.1
NONFATAL INJURY (Public Roads)	31,075	29,933	-3.7
PROPERTY DAMAGE ONLY (Public Roads)	97,908	102,931	+5.1
TOTAL NUMBER REPORTED (Public Roads)	129,828	133,718	+3.0
PARKING LOTS / PRIVATE PROPERTY	24,247	23,514	+2.9
TOTAL ALL REPORTED	154,075	157,232	+2.0
FATAL (Total)	860*	866**	+0.7

\* Includes 15 fatal collisions on parking lots / private property

\*\* Includes 12 fatal collisions on parking lots / private property

NOTE: Beginning with the 2000 Kentucky Traffic Collision Facts report, these statistics were tabulated under modified formats. Data from parking lots and private property are reported but summarized separately from collisions on public roads. Civilian report data are not included. **UNLESS OTHERWISE NOTED, THE DATA ARE FOR PUBLIC ROADS ONLY.**



# DEATH AND INJURY SUMMARY

	2003	2004	% CHANGE
<b>PERSONS KILLED - Public Roads</b>	928	964	+3.9
<b>PERSONS KILLED - Parking Lots / Private Property</b>	17	14	-17.6
<b>PERSONS KILLED (Total)</b>	945	978	+3.5
<b>PERSONS INJURED - Public Roads</b>	46,966	44,986	-4.2
<b>PERSONS INJURED - Parking Lots / Private Property</b>	1,623	1,226	-24.5
<b>PERSONS INJURED (Total)</b>	48,589	46,212	-4.9

**FACTS:** APPROXIMATELY ONE OF EVERY 4,900 KENTUCKY RESIDENTS DIED AS A RESULT OF A FATAL TRAFFIC COLLISION ON A PUBLIC ROAD DURING 2004 IN KENTUCKY. ABOUT ONE IN 102 KENTUCKY RESIDENTS WAS INJURED IN A TRAFFIC COLLISION IN KENTUCKY.\*

APPROXIMATELY ONE OF EVERY 14 DRIVERS LICENSED IN KENTUCKY WAS INVOLVED IN A TRAFFIC COLLISION IN KENTUCKY. ABOUT ONE OF 2,500 KENTUCKY DRIVERS WAS INVOLVED IN A FATAL COLLISION.\*\*

\* Based on 4,145,922 population estimate for Kentucky in 2004.

\*\* Based on 2,888,354 licensed drivers in Kentucky in 2004 (including learner permits).

A total of 964 persons were killed on public roads during 2004. The total number of traffic fatalities increased 3.9%, with 36 more fatalities than during 2003.

44,986 persons were injured on public roads during 2004, a decrease of 4.2% from 2004, or 1,980 fewer persons injured.

The chart at the right compares death rates for Kentucky vs. U.S. death rates computed by the National Safety Council.

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

TYPE INJURY	NUMBER	%
<b>INCAPACITATING INJURY</b>		
Public Roads	5,877	13
Parking Lots / Private Property	134	11
<b>NON-INCAPACITATING INJURY</b>		
Public Roads	17,477	39
Parking Lots / Private Property	441	36
<b>POSSIBLE INJURY</b>		
Public Roads	21,632	48
Parking Lots / Private Property	651	53
<b>TOTAL</b>		
Public Roads	44,986	
Parking Lots / Private Property	1,226	

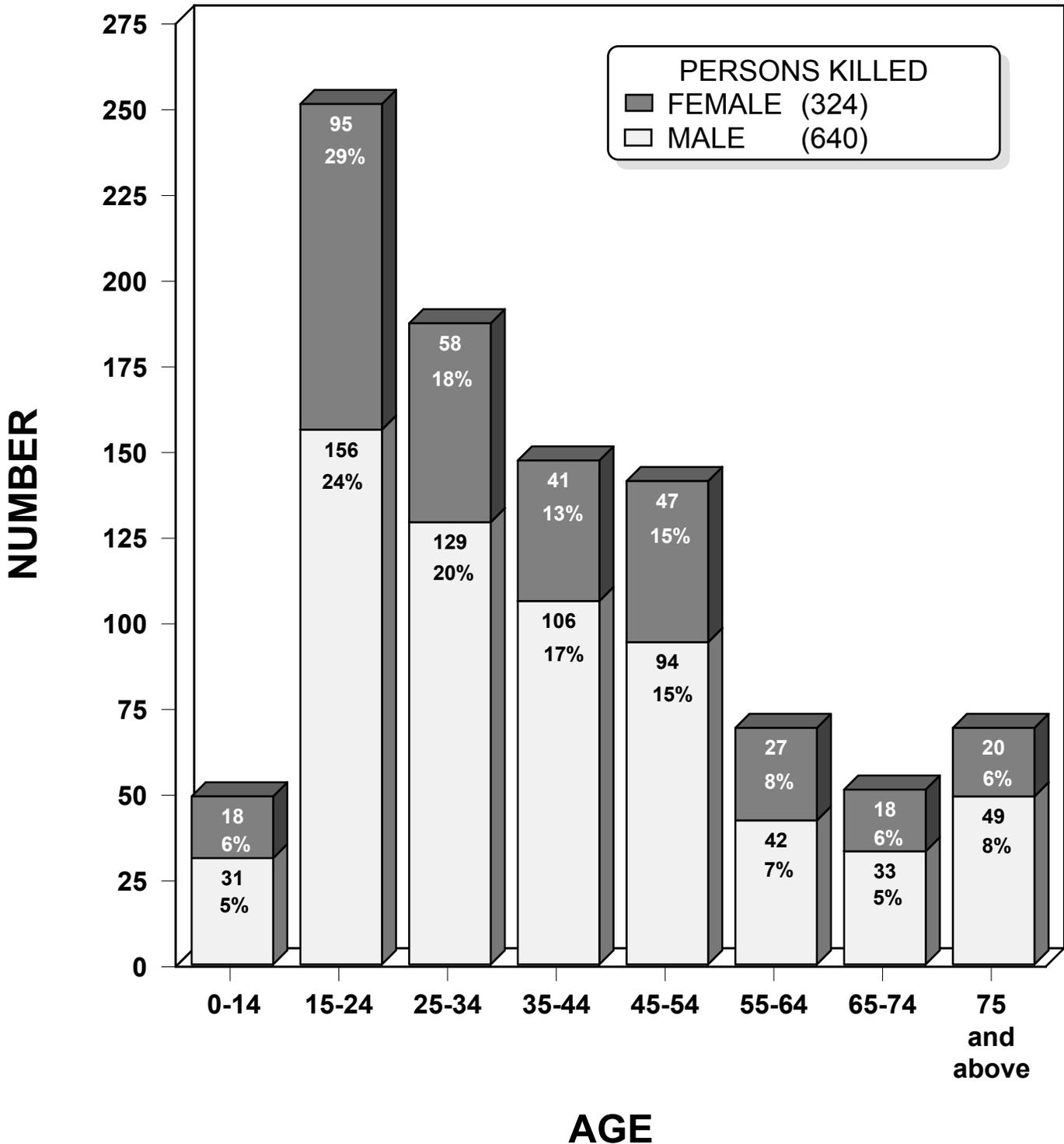
<b>TOTAL DEATH RATES</b> (deaths per 100 million miles traveled*)			
YEAR	KILLED	RATE**	
		KY	U.S.
1989	776	2.4	2.3
1990	851	2.5	2.2
1991	828	2.4	2.0
1992	819	2.2	1.8
1993	875	2.2	1.8
1994	791	2.0	1.8
1995	856	2.1	1.8
1996	846	2.0	1.8
1997	865	1.9	1.7
1998	869	1.9	1.6
1999	819	1.7	1.5
2000	823	1.8	1.5
2001	843	1.8	1.5
2002	915	2.0	1.6
2003	928	2.0	1.5
2004	964	2.1	1.5

\*Miles traveled in Kentucky in 2004 = 47.2 billion

\*\*Includes Public Roads

# FATALITIES BY AGE AND SEX

The number of persons killed in fatal collisions in 2004 is shown by age and sex in the chart below. There were 640 males versus 324 females killed. Twenty-six (26) percent of all persons killed in traffic collisions were in the 15- to 24-year old age group. The percentages below represent the percent of males or females killed in the given age group (as a percentage of the total males or females killed).



# SEVERITY OF INJURY BY TYPE OF COLLISION

The chart below depicts the number of persons killed and injured, by severity of injury, with 11 categories of collisions. As shown in the percentage column, collisions with moving motor vehicles (65%) and collisions with fixed objects (24%) account for 89% of the fatalities and injuries during 2004.

TYPE OF COLLISION	TOTAL COLLISIONS	FATAL COLLISIONS	TYPE OF INJURY				% OF TOTAL OCCUPANTS KILLED OR INJURED
			KILLED	INCAPACITATING INJURY	NON- INCAPACITATING INJURY	POSSIBLE INJURY	
COLLISION WITH MOVING VEHICLE	89,932	357	412	3,253	10,888	15,275	64.9
COLLISION WITH FIXED OBJECT	24,661	330	369	1,788	4,530	4,380	24.1
OTHER NON COLLISION	2,492	34	38	196	435	411	2.4
COLLISION WITH PEDESTRIAN	906	49	50	196	337	316	2.0
NON COLLISION OVERTURNED	1,472	52	57	209	524	349	2.5
COLLISION WITH OTHER OBJECT	2,075	8	9	83	234	350	1.5
COLLISION WITH PEDALCYCLIST	452	6	6	56	155	135	0.8
COLLISION WITH PARKED VEHICLE	7,155	11	13	61	217	194	1.1
COLLISION WITH DEER	2,981	1	2	15	75	108	0.4
COLLISION WITH OTHER ANIMAL	1,541	2	2	17	76	100	0.4
COLLISION WITH TRAIN	51	4	6	3	6	14	0.1
<b>TOTALS</b>	<b>133,718</b>	<b>854</b>	<b>964</b>	<b>5,877</b>	<b>17,477</b>	<b>21,632</b>	<b>100.0</b>

# OCCURRENCE OF COLLISIONS BY TYPE

Sixty-seven (67) percent of all collisions reported during 2004 involved collisions between two or more moving vehicles (not in a parking lot).

Eighteen (18) percent of all collisions involved collisions with fixed objects.

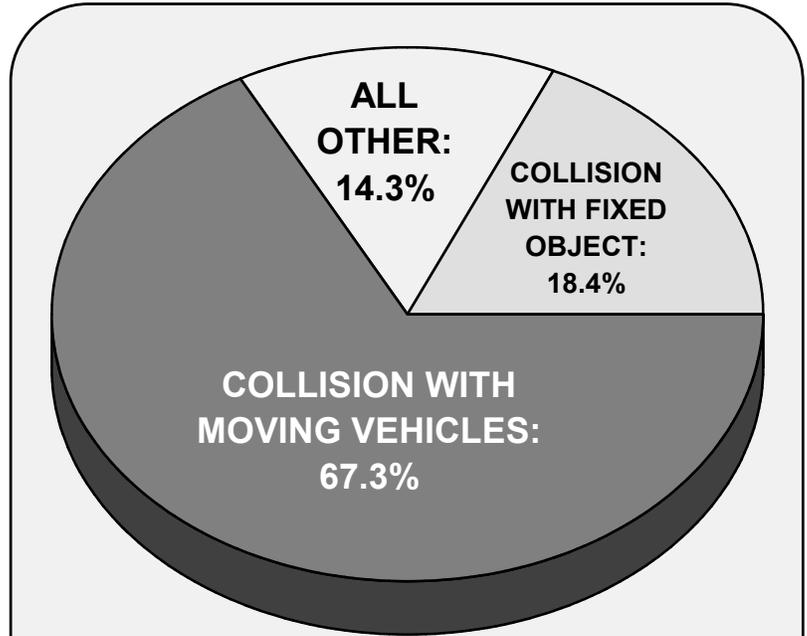
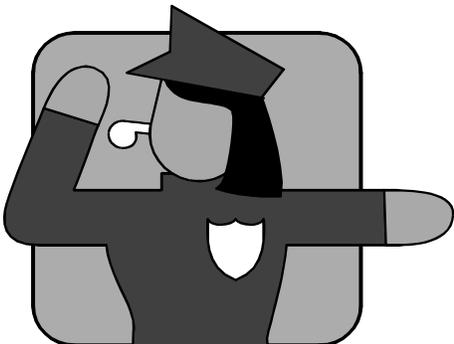
Fourteen (14) percent of all collisions did not involve a collision with either a moving vehicle or a fixed object. About 11% were other types of collisions (vehicle with pedestrian, deer, pedalcyclist, etc.) while the remainder were non-collisions (vehicle overturning and other non-collisions).

When looking at fatal collisions, the ratio among types of occurrences is different. Forty-two (42) percent of all fatal collisions involved a collision with another moving vehicle.

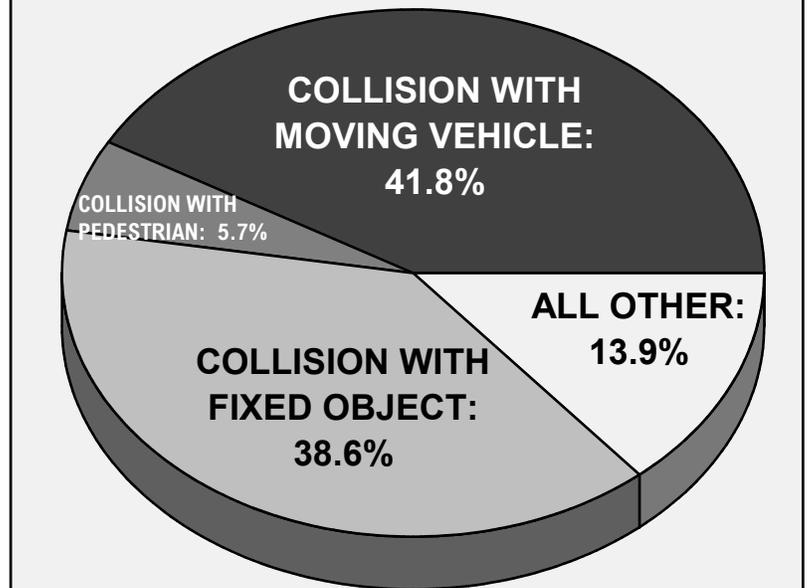
Thirty-nine (39) percent of the fatal collisions reported during 2003 involved collisions with fixed objects.

Collisions with pedestrians accounted for 6% of the fatal collisions. Fourteen (14) percent of the fatal collisions were other type collisions. Most of these (10%) were non-collisions (vehicle overturning or other non-collision).

Specific types of collisions and the percentage of total collisions and fatalities in each type of collision category are shown on the following page.



## ALL COLLISIONS



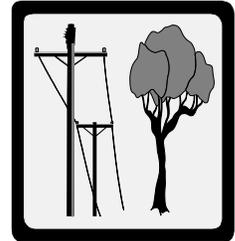
## FATAL COLLISIONS

# TYPES OF COLLISIONS

Collisions with other moving motor vehicles were responsible for 67% of all collisions reported during 2004, and accounted for 43% of all fatalities (persons killed). Collisions with fixed objects accounted for 18% of all collisions, but 38% of fatalities. Types of collisions are depicted below.

## COLLISION WITH FIXED OBJECT:

Total Collisions: 24,661  
 % of Total Collisions: 18.44%  
 Persons Killed: 369  
 % of Total Fatalities: 38.28%  
 No. of Fatal Collisions: 330  
 % of All Fatal Collisions: 38.64%



## COLLISION WITH PEDESTRIAN:

Total Collisions: 906  
 % of Total Collisions: 0.68%  
 Persons Killed: 50  
 % of Total Fatalities: 5.19%  
 No. of Fatal Collisions: 49  
 % of All Fatal Collisions: 5.74%

## COLLISION WITH MOVING MOTOR VEHICLE:

Total Collisions: 89,932  
 % of Total Collisions: 67.26%  
 Persons Killed: 412  
 % of Total Fatalities: 42.74%  
 No. of Fatal Collisions: 357  
 % of All Fatal Collisions: 41.80%

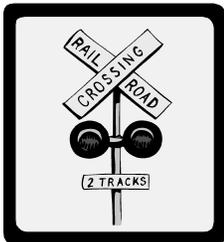


## COLLISION WITH PEDALCYCLIST:

Total Collisions: 452  
 % of Total Collisions: 0.34%  
 Persons Killed: 6  
 % of Total Fatalities: 0.62%  
 No. of Fatal Collisions: 6  
 % of All Fatal Collisions: 0.70%

## PARKED VEHICLE COLLISIONS:

Total Collisions: 7,155  
 % of Total Collisions: 5.35%  
 Persons Killed: 13  
 % of Total Fatalities: 1.35%  
 No. of Fatal Collisions: 11  
 % of All Fatal Collisions: 1.29%

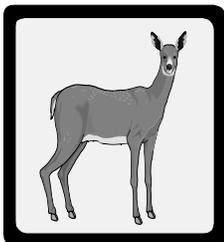
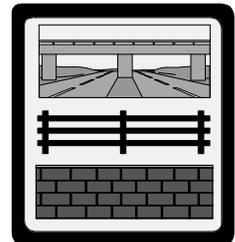


## COLLISION WITH RAILWAY TRAIN:

Total Collisions: 51  
 % of Total Collisions: 0.04%  
 Persons Killed: 6  
 % of Total Fatalities: 0.62%  
 No. of Fatal Collisions: 4  
 % of All Fatal Collisions: 0.47%

## COLLISION WITH OTHER OBJECT:

Total Collisions: 2,075  
 % of Total Collisions: 1.55%  
 Persons Killed: 9  
 % of Total Fatalities: 0.93%  
 No. of Fatal Collisions: 8  
 % of All Fatal Collisions: 0.94%

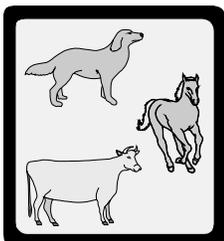


## COLLISION WITH DEER:

Total Collisions: 2,981  
 % of Total Collisions: 2.23%  
 Persons Killed: 2  
 % of Total Fatalities: 0.21%  
 No. of Fatal Collisions: 2  
 % of All Fatal Collisions: 0.12%

## NON-COLLISION OVERTURNED:

Total Collisions: 1,472  
 % of Total Collisions: 1.10%  
 Persons Killed: 57  
 % of Total Fatalities: 5.91%  
 No. of Fatal Collisions: 52  
 % of All Fatal Collisions: 6.09%



## COLLISION WITH ANIMALS (excluding deer):

Total Collisions: 1,541  
 % of Total Collisions: 1.15%  
 Persons Killed: 2  
 % of Total Fatalities: 0.21%  
 No. of Fatal Collisions: 2  
 % of All Fatal Collisions: 0.23%

## OTHER NON-COLLISION:

Total Collisions: 2,492  
 % of Total Collisions: 1.86%  
 Persons Killed: 38  
 % of Total Fatalities: 3.94%  
 No. of Fatal Collisions: 34  
 % of All Fatal Collisions: 3.98%





# PEDESTRIAN COLLISIONS



Fifty (50) pedestrians were killed and 849 were injured in traffic collisions in 2004. The charts below depict ages of victims of pedestrian collisions and the factors related to the pedestrian vs. the vehicle at the time of the collision. Up to three pedestrian factors can be coded for one collision. Twenty-five (25) percent of the pedestrians killed or injured were 14 years of age or younger, while 7% were age 65 or older.

PEDESTRIAN FACTOR	TOTAL ACTIONS FOR KILLED OR INJURED PEDESTRIANS BY AGE CATEGORY										
	Fatal Actions	Injury Actions	0-4	5-9	10-14	15-19	20-24	25-44	45-64	65-UP	Not Stated
Approaching or Leaving Vehicle	4	57	6	2	3	4	6	23	14	2	1
At Intersection	1	71	1	2	5	11	3	18	23	6	3
Crossing Against Signal	1	74	1	3	10	16	6	21	14	4	0
Crossing With Signal	1	87	0	4	6	9	4	19	35	7	4
Dark Clothing / Not Visible	10	62	0	1	5	15	6	27	15	3	0
Darting into Roadway	13	221	34	44	59	33	9	34	16	4	1
Drinking	4	52	1	0	0	5	9	31	8	1	1
Drug Related	2	6	0	0	0	0	0	6	2	0	0
Getting On or Off Vehicle	0	26	0	2	1	4	2	14	3	0	0
In Crosswalk	4	100	3	7	4	6	9	22	33	18	2
Jogging	0	3	0	0	0	1	0	2	0	0	0
Lying in Roadway	6	10	0	1	0	0	3	7	5	0	0
Not at Intersection	8	102	2	9	18	13	8	23	29	6	2
Not in Roadway	1	93	0	3	2	3	16	35	24	10	1
Physical Impairment	1	12	0	0	0	0	0	3	6	4	0
Playing in Roadway	0	17	4	5	5	2	0	1	0	0	0
Pushing Vehicle	1	13	0	0	0	9	0	5	0	0	0
Skating/Skateboarding	0	8	0	1	4	2	1	0	0	0	0
Walking in Roadway	16	139	3	7	17	21	13	48	26	19	1
Working in Roadway	0	24	0	0	0	1	2	16	3	2	0
Working on Vehicle	4	36	0	0	0	1	18	15	5	1	0
<b>TOTAL*</b>	<b>77</b>	<b>1,213</b>	<b>55</b>	<b>91</b>	<b>139</b>	<b>156</b>	<b>115</b>	<b>370</b>	<b>261</b>	<b>87</b>	<b>16</b>

PEDESTRIAN FACTOR	VEHICLE ACTION								TOTAL
	Straight	Right Turn	Left Turn	Parking	Starting in Traffic	Slowing	Backing	Other	
Approaching or Leaving Vehicle	32	1	1	35	3	1	3	5	81
At Intersection	38	13	20	1	0	2	1	4	79
Crossing Against Signal	51	1	11	2	5	1	0	2	73
Crossing With Signal	16	21	48	0	2	2	0	4	93
Dark Clothing / Not Visible	54	2	10	2	1	0	3	4	76
Darting into Roadway	213	2	0	6	3	7	4	12	247
Drinking	44	0	0	4	1	2	1	4	56
Drug Related	8	0	0	0	0	0	0	0	8
Getting On or Off Vehicle	11	0	1	6	2	0	1	1	22
In Crosswalk	35	14	46	0	5	1	2	8	111
Jogging	1	1	0	0	0	0	0	1	3
Lying in Roadway	11	0	1	1	0	0	0	3	16
Not at Intersection	89	3	3	4	1	3	1	5	109
Not in Roadway	52	1	3	41	1	2	3	4	107
Physical Impairment	7	0	1	0	0	0	2	4	14
Playing in Roadway	13	0	1	2	0	0	1	2	19
Pushing Vehicle	2	0	0	0	0	0	0	6	8
Skating/Skateboarding	10	0	1	0	0	0	0	1	12
Walking in Roadway	109	5	9	7	4	3	9	18	164
Working in Roadway	16	0	4	2	1	2	1	3	29
Working on Vehicle	13	0	1	28	1	0	1	5	49
<b>TOTAL*</b>	<b>825</b>	<b>64</b>	<b>161</b>	<b>141</b>	<b>30</b>	<b>26</b>	<b>33</b>	<b>96</b>	<b>1,376</b>

\* These totals are higher than the actual number of pedestrians involved because they reflect multiple pedestrian actions.

# HIT-AND-RUN COLLISIONS

Hit-and-run collisions are those collisions in which the driver leaves the collision scene with the intent of evading responsibility. Hit-and-run is a serious violation of the law. During 2004, there were 10,526 hit-and-run collisions, of which 16 were fatal collisions and 1,128 were injury collisions. As depicted in the chart below, most of Kentucky's hit-and-run collisions were property damage collisions (89%). Twenty (20) persons were killed and 1,517 were injured.

TOTAL	FATAL COLLISIONS	INJURY COLLISIONS	PROPERTY DAMAGE COLLISIONS	PERSONS KILLED	PERSONS INJURED
10,526	16	1,128	9,382	20	1,517

## HIT-AND-RUN VICTIMS

As shown in the chart below, 4 of the 20 persons killed in hit-and-run collisions were pedestrians and none were pedalcyclists. One hundred three (103) pedestrians and 40 pedalcyclists were injured.

TYPE OF VICTIM	PERSONS KILLED	PERSONS INJURED
Pedestrian	4	103
Pedalcyclist	0	40
Other	16	1,374
<b>TOTAL</b>	<b>20</b>	<b>1,517</b>

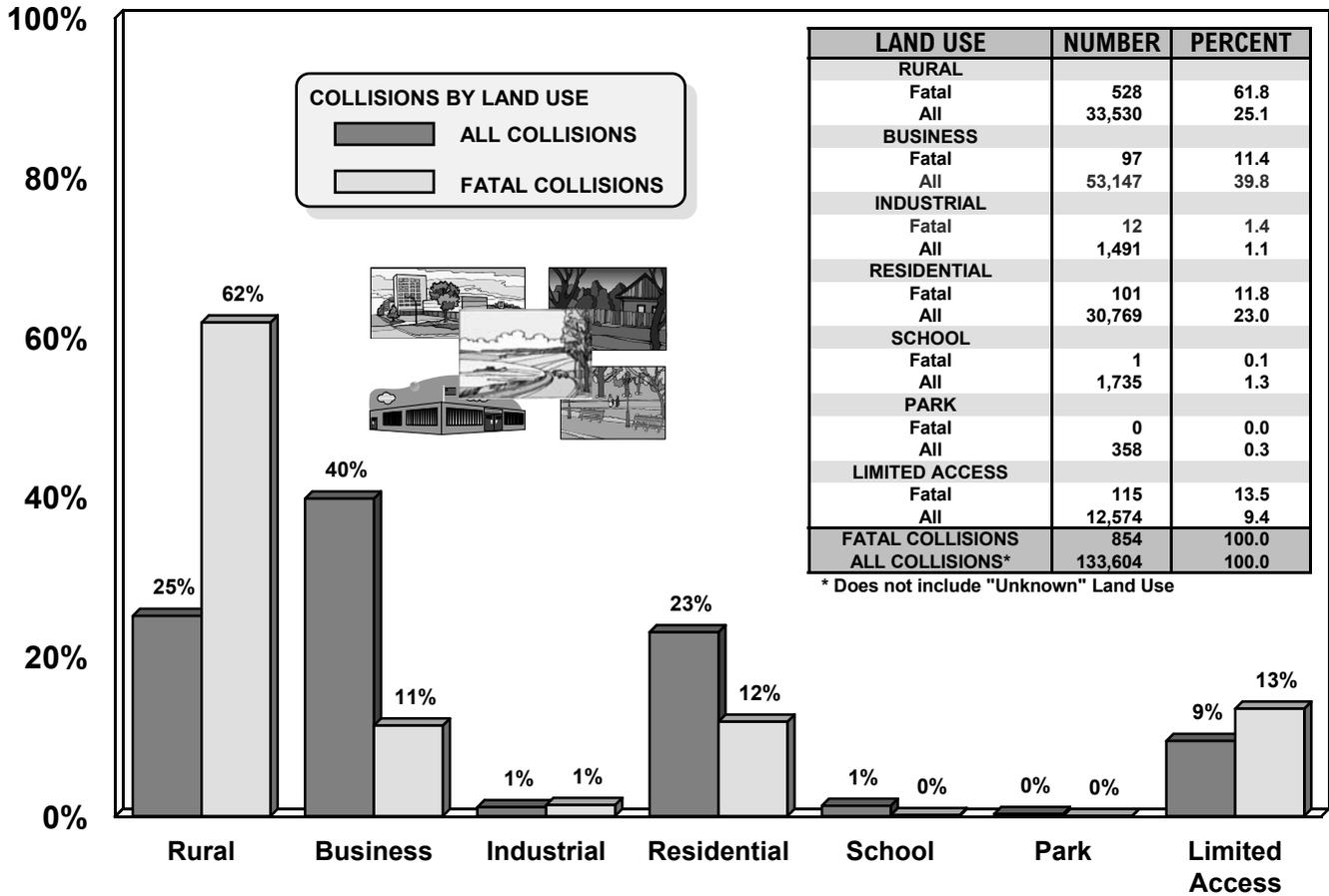


## LOCATION OF HIT-AND-RUN COLLISIONS

The location of hit-and-run collisions are shown in the chart below. The largest percentage of hit-and-run collisions (46%) occurred on local streets, followed by 18% on state routes, and 14% on U.S. routes.

TYPE OF ROADWAY	ALL HIT-AND-RUN COLLISIONS	FATAL COLLISIONS	INJURY COLLISIONS	PROPERTY DAMAGE
INTERSTATE	601	3	84	514
U.S. ROUTE	1,461	2	191	1,268
STATE ROUTE	1,916	6	279	1,631
PARKWAY	34	1	5	28
COUNTY ROADS	619	0	87	532
LOCAL STREETS	4,793	4	363	4,426
OTHER	1,102	0	119	983
<b>TOTAL</b>	<b>10,526</b>	<b>16</b>	<b>1,128</b>	<b>9,382</b>

# LAND USE

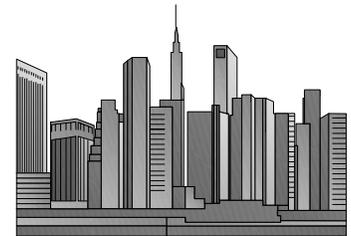


## COLLISION LOCATIONS

For the purpose of tabulating collision locations, an urban area is an area including and adjacent to a municipality or other place of 5,000 or more population. Rural areas are those places that do not meet this specification. As shown in the chart below, most collisions (63%) occurred in urban areas. However, the majority of fatal collisions (57%) took place in rural areas of Kentucky during 2004. Although nonfatal injury collisions were divided between urban and rural areas, nearly twice as many property damage collisions were reported in urban areas.



### RURAL VS. URBAN



AREA	Number of Collisions	% Total	Fatal	% Total	Nonfatal Injury	% Total	Property Damage	% Total	Killed	% Total	Injured	% Total
<b>RURAL</b>	49,599	37	489	57	13,029	44	36,081	35	559	58	19,836	44
<b>URBAN</b>	84,119	63	365	43	16,904	56	66,850	65	405	42	25,150	56
<b>TOTAL</b>	133,718	100	854	100	29,933	100	102,931	100	964	100	44,986	100

# LOCATION OF COLLISIONS

The chart at right shows the number of collisions during 2004 by type of roadway, with percentages of all collisions.

Twenty-eight (28) percent of all collisions occurred on Kentucky's "State Numbered" roads, with 48% of all fatal collisions reported during 2004 occurring on this type of roadway.

Although 26% of all collisions occurred on city streets, only 4% of the fatal collisions occurred on city streets.

TYPE OF ROADWAY	Fatal Collisions	Nonfatal Injury	Property Damage	% Total
INTERSTATE	89	1,927	7,715	7
U.S. ROUTE	225	7,027	22,079	22
STATE ROUTE	414	10,587	26,851	28
PARKWAY	20	393	1,115	1
COUNTY ROAD	63	2,294	6,513	7
CITY STREET	37	5,241	28,854	26
Other	6	2,464	9,804	9
<b>TOTAL</b>	<b>854</b>	<b>29,933</b>	<b>102,931</b>	<b>100</b>

## INTERSTATES AND PARKWAYS

The chart below depicts the incidence of collisions on Kentucky's interstates and parkways. Interstate collisions represent 7% of all collisions. Parkway collisions represent 1% of all collisions.

INTERSTATE	Collisions	Fatal Collisions	Nonfatal Injury	Property Damage	Number Killed	Number Injured
I-24	494	4	109	381	4	184
I-64	1,667	18	345	1,304	22	511
I-65	1,898	29	361	1,508	35	583
I-71	743	5	153	585	6	245
I-75	2,820	21	596	2,203	27	869
I-264	897	4	154	739	5	234
I-265	192	2	39	151	2	67
I-275	676	5	130	541	5	164
I-471	344	1	40	303	1	69
<b>TOTAL</b>	<b>9,731</b>	<b>89</b>	<b>1,927</b>	<b>7,715</b>	<b>107</b>	<b>2,926</b>

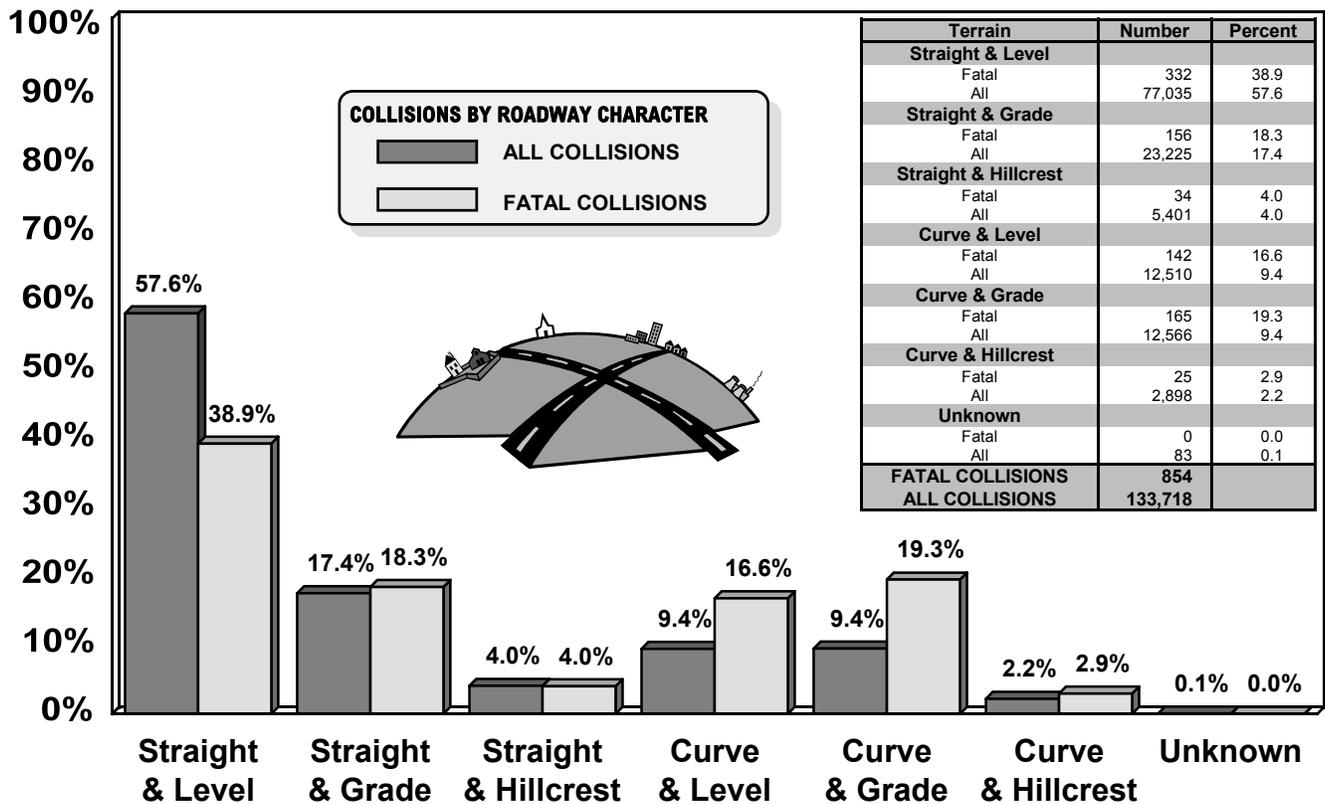
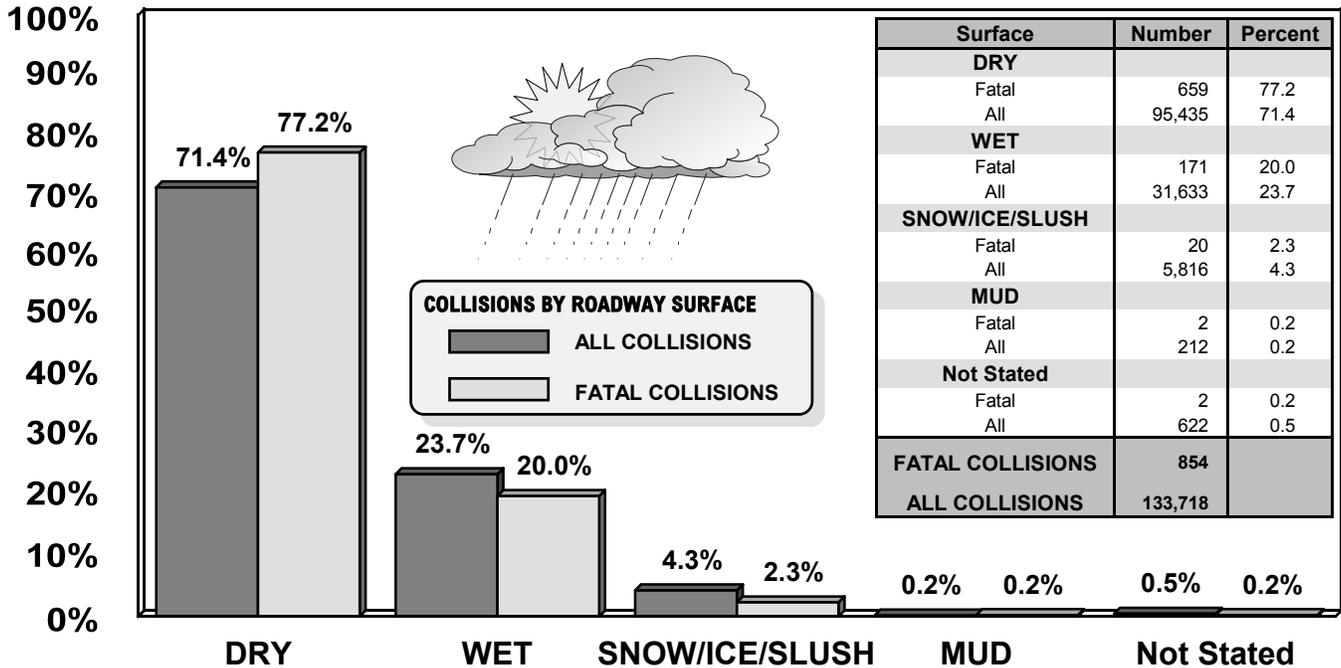
PARKWAY	Collisions	Fatal Collisions	Nonfatal Injury	Property Damage	Number Killed	Number Injured
Audubon	34	1	8	25	1	11
Blue Grass	213	3	51	159	3	73
Edward Breathitt	302	1	68	233	1	108
Daniel Boone	83	2	27	54	2	45
Louie Nunn	139	0	32	107	0	40
Bert Combs Mtn.	131	8	40	83	9	70
William Natcher	133	0	34	99	0	42
Julian Carroll	149	2	42	105	2	56
Wendell Ford	344	3	91	250	6	148
<b>TOTAL</b>	<b>1,528</b>	<b>20</b>	<b>393</b>	<b>1,115</b>	<b>24</b>	<b>593</b>

# COLLISIONS BY ROADWAY CONDITIONS AND ROADWAY CHARACTER

The charts below depict percentages and numbers of all collisions and fatal collisions according to the conditions and character of the roadway on which the collision occurred.

The road conditions chart compares fatal collisions with all collisions for different road conditions identified by the police officer who completed the collision investigation report.

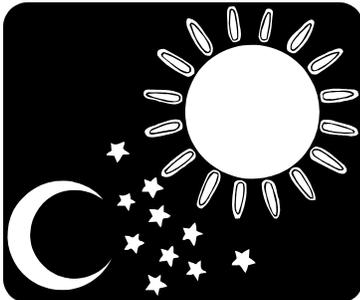
As depicted in the bottom chart, 79% of all collisions occurred on straight roads and 21% on curved roads. Thirty-nine (39) percent of the fatal collisions during 2004 occurred on curved roads.



# COLLISIONS BY LIGHT CONDITION

Seventy-two (72) percent of all collisions reported during 2004 occurred during daylight hours. Twenty-three (23) percent of all collisions occurred during dark hours, and 5% occurred at dawn or dusk.

Fifty-six (56) percent of all fatal collisions occurred during daylight hours, 37% occurred during dark hours, and 7% at dawn or dusk.



**COLLISIONS  
AT DUSK**  
3,546  
(2.7%)

**COLLISIONS  
DURING  
DARK**  
30,034  
(22.5%)

**DAYLIGHT  
COLLISIONS**  
96,716  
(72.3%)

**COLLISIONS  
AT DAWN**  
3,197  
(2.4%)

## ALL COLLISIONS

(excludes unknown light condition)

**COLLISIONS  
AT DUSK**  
32  
(3.8%)

**COLLISIONS  
DURING  
DARK**  
320  
(37.5%)

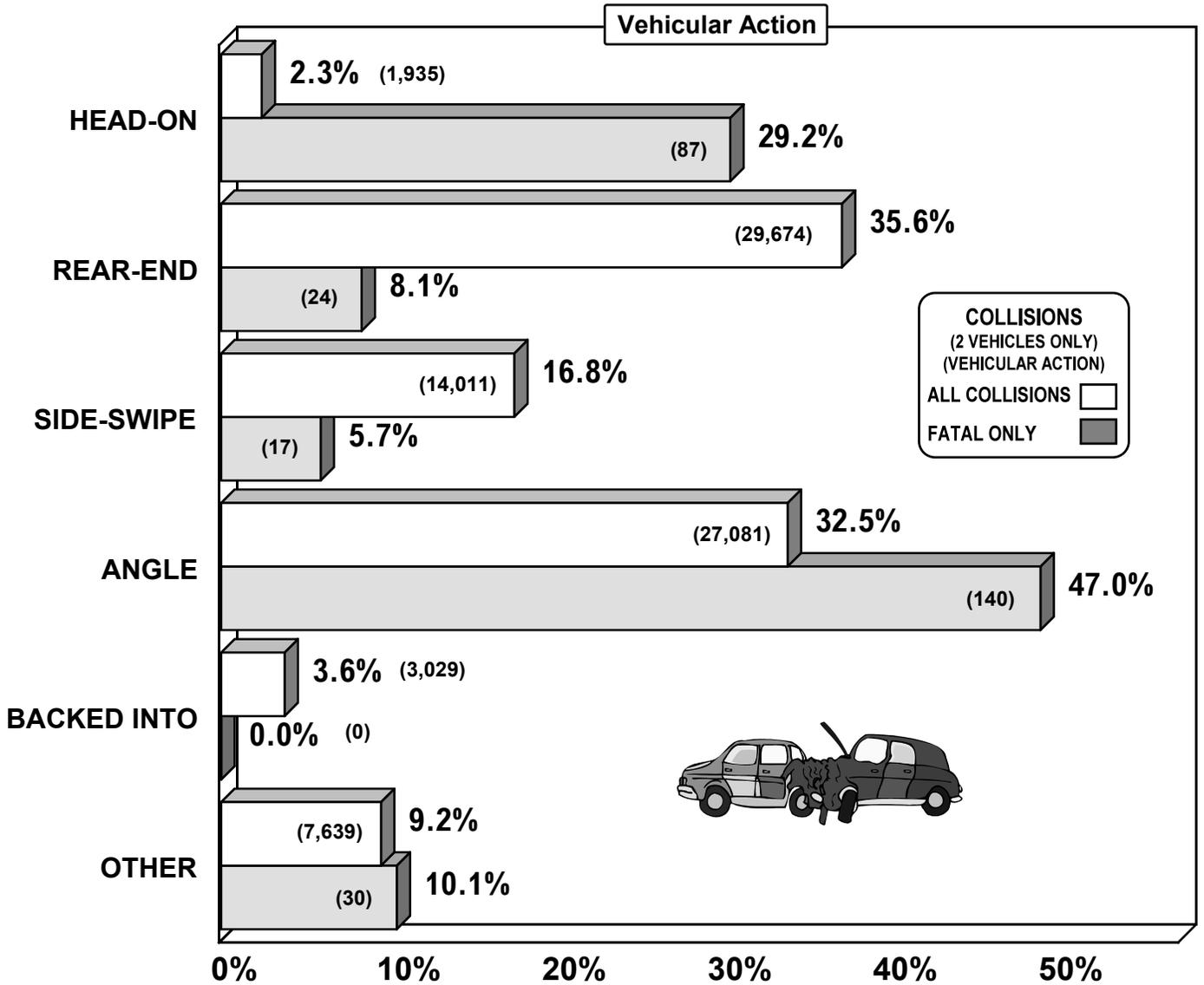
**DAYLIGHT  
COLLISIONS**  
477  
(55.9%)

**COLLISIONS  
AT DAWN**  
25  
(2.9%)

## FATAL COLLISIONS ONLY

(excludes unknown light condition)

# TWO-VEHICLE COLLISIONS



83,369 traffic collisions (including 298 fatal collisions) reported during 2004 involved "two-vehicle" collisions. These collisions represent 62% of collisions and 35% of fatal collisions reported.

This chart depicts the manner of collision for these collisions, where known. The numbers and percents of each type of collision are shown.

Head-on collisions accounted for only 2% of the total collisions involving two vehicles, but 29% of the fatal collisions.

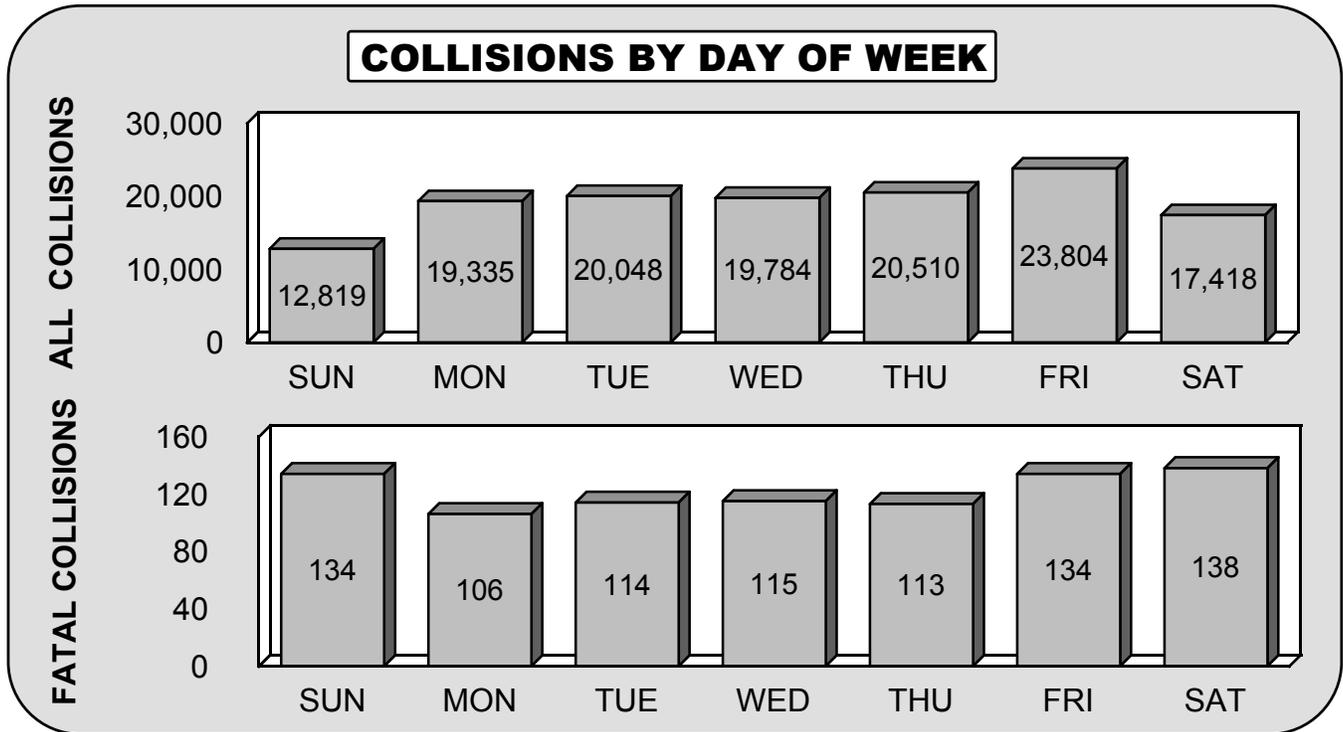
Rear-end collisions reflect 36% of all two-vehicle collisions, but only 8% of the fatal collisions.

Sideswipe collisions (both meeting and passing) reflect 17% of all collisions and 6% of the fatal collisions.

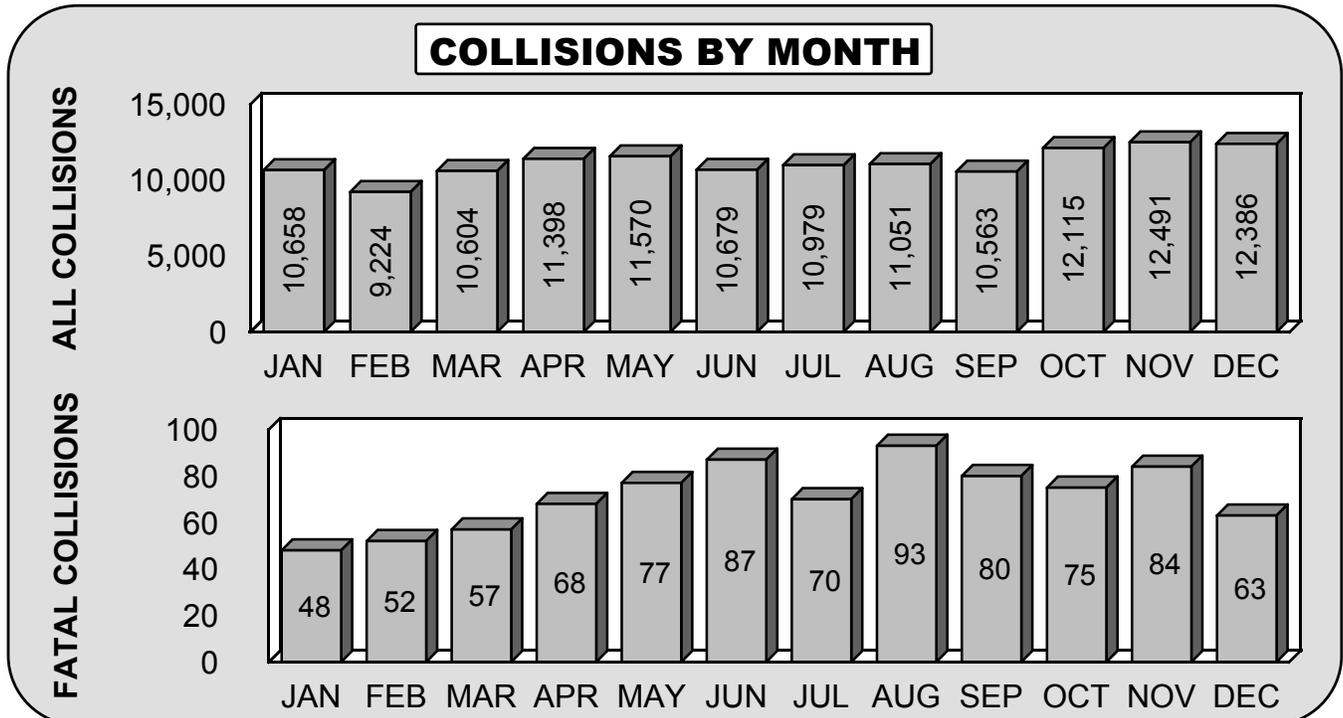
Angle collisions, at 47%, represent the highest percentage of fatal collisions.

# COLLISIONS BY DAY AND MONTH

The graph below shows all collisions and fatal collisions by day of occurrence (excluding unknown). Twenty-three (23) percent of all collisions and 32% of fatal collisions occurred on weekends (Saturday and Sunday combined).



November ranked highest for total number of collisions and February showed the lowest number of total collisions. August reported the highest number of fatal collisions; January showed the lowest.





# HOLIDAY COLLISIONS

## TOTAL DEATHS



## HOLIDAY DEATH TOLL

The chart below depicts the number of deaths in fatal collisions and the number of alcohol involved deaths (as indicated by blood-alcohol tests) over holiday periods for five years. These holiday periods are established by the National Safety Council. The total number of persons killed in holiday periods in 2004 was 65 as compared to 44 in 2003.

HOLIDAY PERIOD	2000		2001		2002		2003		2004	
	Number	Alcohol Involved								
NEW YEAR'S DAY	5	2	2	0	14	4	5	2	5	2
MEMORIAL DAY	13	7	10	3	7	1	6	1	16	3
INDEPENDENCE DAY	20	5	4	1	16	4	5	0	9	4
LABOR DAY	7	3	11	3	11	2	11	1	17	1
THANKSGIVING	16	5	10	1	3	2	11	2	16	2
CHRISTMAS	6	2	10	0	2	1	6	2	2	0
<b>TOTAL</b>	<b>67</b>	<b>24</b>	<b>47</b>	<b>8</b>	<b>53</b>	<b>14</b>	<b>44</b>	<b>8</b>	<b>65</b>	<b>12</b>

## HOLIDAY TIMES AND DATES

The times and dates below were designated by the National Safety Council for holidays in 2003.

HOLIDAY	START	END
New Year's Day	6:00 pm Wednesday, December 31, 2003	11:59 pm Sunday, January 4, 2004
Memorial Day	6:00 pm Friday, May 28	11:59 pm Monday, May 31
Independence Day	6:00 pm Friday, July 2	11:59 pm Sunday, July 4
Labor Day	6:00 pm Friday, September 3	11:59 pm Monday, September 6
Thanksgiving	6:00 pm Wednesday, November 24	11:59 pm Sunday, November 28
Christmas	6:00 pm Friday, December 24	11:59 pm Sunday, December 26

## COMPARISON OF HOLIDAY FATALITIES/COLLISIONS

The Labor Day holiday period registered the highest number of fatalities during 2004. The lowest number of holiday fatalities occurred over the Christmas holiday. The chart below shows relevant collision data for each of the holidays.

HOLIDAY PERIOD	NEW YEAR'S DAY	MEMORIAL DAY	INDEPENDENCE DAY	LABOR DAY	THANKSGIVING	CHRISTMAS
<b>NO. PERSONS KILLED</b>	5	16	9	17	16	2
<b>NO. PERSONS INJURED</b>	397	381	277	382	407	666
<b>FATAL COLLISIONS</b>	5	13	8	12	15	2
<b>INJURY COLLISIONS</b>	258	249	184	223	242	438
<b>PROPERTY DAMAGE</b>	881	730	439	590	971	2,184
<b>TOTAL COLLISIONS</b>	1,144	992	631	825	1,228	2,624



# TYPE VEHICLES INVOLVED IN COLLISIONS

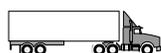


VEHICLE TYPE	VEHICLES INVOLVED IN ALL COLLISIONS	PERCENT OF TOTAL	VEHICLES INVOLVED IN FATAL COLLISIONS	PERCENT OF TOTAL
Passenger Cars*	222,079	91.09	1,115	78.52
Taxicabs	203	0.08	0	0.00
Trucks	10,704	4.39	137	9.65
Motorcycles	1,613	0.66	70	4.93
Motor Scooters/Motor Bikes	174	0.07	6	0.42
School Buses	898	0.37	5	0.35
Other Buses	565	0.23	0	0.00
Farm Tractors/Equipment	199	0.08	3	0.21
Emergency	1,088	0.45	6	0.42
Other Public Owned	562	0.23	1	0.07
Other	5,007	2.05	77	5.42
Not Stated	720	0.30	0	0.00
<b>TOTAL</b>	<b>243,812</b>	<b>100.00</b>	<b>1,420</b>	<b>100.00</b>

\* Passenger cars include automobiles and trucks registered for 6,000 pounds or less.

There were 243,812 vehicles involved in collisions during 2004. Of this total, 188,887 were involved in property damage only collisions, 53,505 were involved in injury collisions, and 1,420 were involved in fatal collisions. The majority (91%) of the vehicles involved in all collisions were passenger cars (79% in fatal collisions). Trucks accounted for 4% of vehicles in all collisions, but accounted for 10% of vehicles in fatal collisions. Motorcycles represented 5% of the vehicles in fatal collisions, but only 0.7% of vehicles in all collisions.

## VEHICLES REGISTERED IN KENTUCKY 2004



**PASSENGER CARS** 1,915,292

**COMMERCIAL TRUCKS** 983,375

**MOTORCYCLES** 74,412

**Other (Inc. Special Issue Plates)** 526,921

**TOTAL (ALL TYPES)** 3,500,000



# TRUCK COLLISIONS

Contributing vehicular factors, as noted by the investigating officer on the collision report, are shown below for collisions involving trucks. A truck is defined as a vehicle with a registered weight of 10,000 pounds or more. Up to two factors may be noted for each vehicle in the collision. The number represents the number of trucks with the given factor, and the percentage is the percent of all trucks with that factor. **A total of 10,704 trucks were involved in collisions and 137 trucks involved in fatal collisions.**

CONTRIBUTING VEHICULAR FACTORS	NUMBER OF TRUCKS INVOLVED IN:					
	ALL COLLISIONS		FATAL COLLISIONS		NONFATAL INJURY COLLISIONS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
Load Securement	190	1.99	0	0.00	27	1.45
Brakes Defective	129	1.35	3	2.38	38	2.04
Tire Failure	117	1.23	1	0.79	26	1.39
Oversized Load on Vehicle	73	0.77	1	0.79	6	0.32
Tow Hitch Defective / Separation of Units	65	0.68	2	1.59	7	0.38
Other Lighting Defective	33	0.35	0	0.00	5	0.27
Overweight	22	0.23	1	0.79	10	0.54
Steering Failure	18	0.19	1	0.79	7	0.38
Headlights Defective	0	0.00	0	0.00	0	0.00
Other	322	3.37	4	3.17	50	2.68

The chart below shows the total number of truck collisions, as well as those with hazardous cargo, by type of roadway. ***There were 10,015 collisions in which a truck was involved. This resulted in 137 fatalities and 2,806 injuries.*** Twenty-three (23) percent of the truck collisions occurred on county or city streets, 20% on interstates, and 47% on U.S. and state-numbered routes. Twenty (20) percent of the hazardous cargo collisions occurred on interstates and 54% on U.S. and state-numbered routes.

TYPE of ROADWAY	ALL TRUCK COLLISIONS				TRUCKS WITH HAZARDOUS CARGO			
	FATAL COLLISIONS	INJURY COLLISIONS	PROPERTY DAMAGE	TOTAL	FATAL COLLISIONS	INJURY COLLISIONS	PROPERTY DAMAGE	TOTAL
Interstate	32	393	1,582	2,007	1	6	28	35
US Route	45	480	1,549	2,074	0	14	34	48
State Route	34	636	1,996	2,666	1	13	31	45
Parkway	4	63	192	259	0	2	4	6
County	2	78	416	496	0	1	9	10
City Street	2	156	1,628	1,786	0	1	16	17
Other	3	112	612	727	0	4	8	12
<b>TOTAL</b>	<b>122</b>	<b>1,918</b>	<b>7,975</b>	<b>10,015</b>	<b>2</b>	<b>41</b>	<b>130</b>	<b>173</b>

The residence of truck drivers involved in collisions is shown below. Thirty-five (35) percent of the drivers, with known residences, were non-residents of Kentucky. This percentage is 31% for fatal collisions and 31% for injury collisions. Local residents live in the county where the collision occurred.

RESIDENCE OF DRIVERS IN TRUCK COLLISIONS	ALL COLLISIONS	FATAL COLLISIONS	INJURY COLLISIONS
Local Resident	2,542	18	489
State Resident	2,876	36	537
Out of State Resident	2,871	24	469
Not Stated	2,415	59	551
<b>TOTAL</b>	<b>10,704</b>	<b>137</b>	<b>2,046</b>

# DRIVER INVOLVEMENT



## RESIDENCE OF DRIVER



There were 226,264 drivers involved in collisions during 2004. Of these, 1,331 drivers were involved in fatal collisions. The chart below tabulates driver involvement by residence and shows that most drivers (67% of those in which residence is known) were local residents (reside in the county where the collision occurred). Many drivers in the unknown category are the result of hit-and-run collisions where the drivers' identities remain unknown. There are fewer drivers than vehicles because of collisions with unoccupied vehicles (generally a parked vehicle).

### INVOLVEMENT BY RESIDENCE

RESIDENCE OF DRIVER	NUMBER INVOLVED IN ALL COLLISIONS	PERCENT OF TOTAL	PERCENT OF TOTAL EXCLUDING NOT STATED
LOCAL RESIDENT	149,538	66.1	67.2
STATE RESIDENT	50,586	22.4	22.7
OUT OF STATE	22,323	9.9	10.0
NOT STATED	3,817	1.7	
<b>TOTAL</b>	<b>226,264</b>	<b>100.0</b>	<b>100.0</b>

RESIDENCE OF DRIVER	NUMBER INVOLVED IN FATAL COLLISIONS	PERCENT OF TOTAL	PERCENT OF TOTAL EXCLUDING NOT STATED
LOCAL RESIDENT	797	59.9	60.2
STATE RESIDENT	365	27.4	27.5
OUT OF STATE	163	12.2	12.3
NOT STATED	6	0.5	
<b>TOTAL</b>	<b>1,331</b>	<b>100.0</b>	<b>100.0</b>



## SEX OF DRIVER



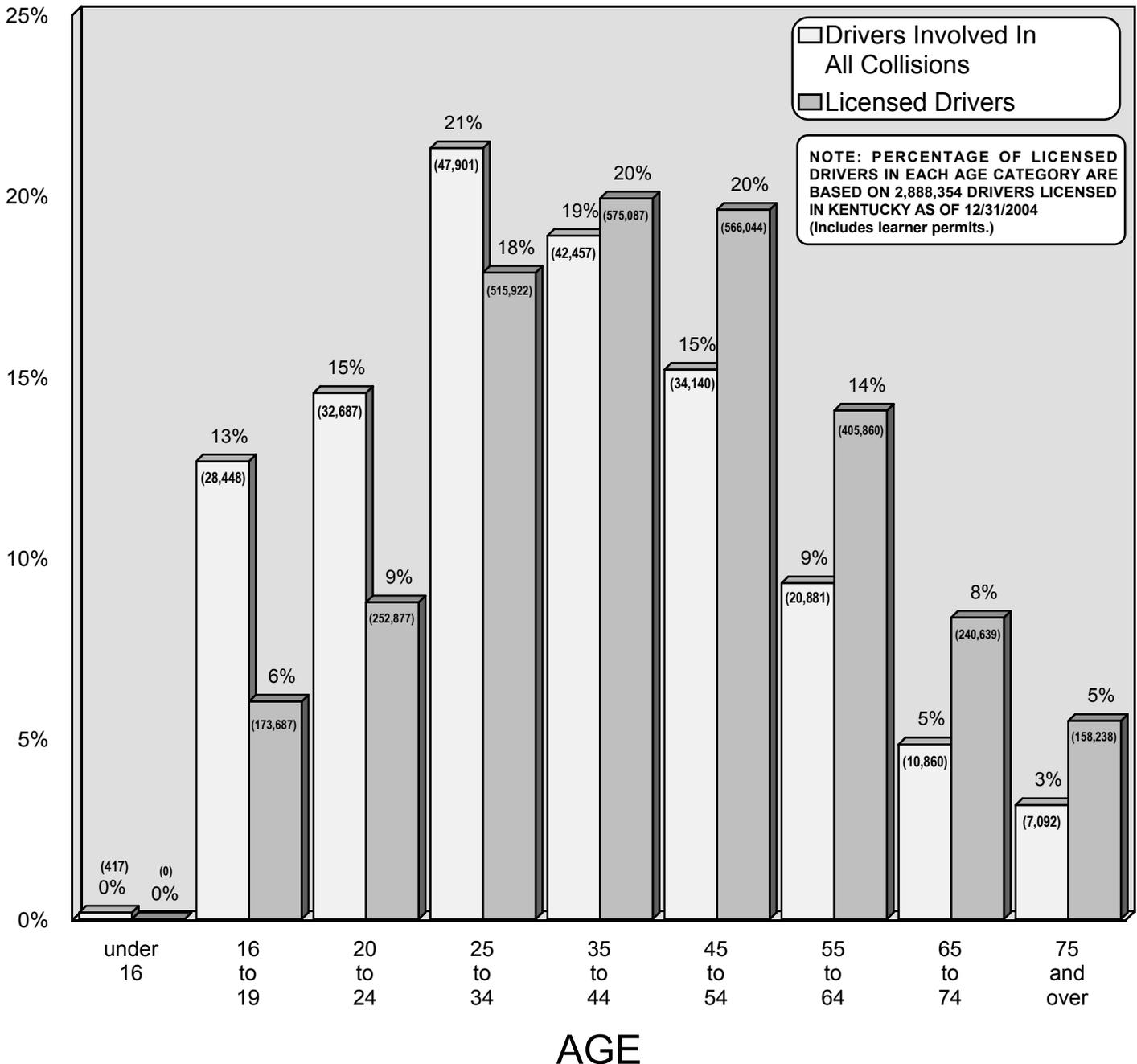
As shown in the chart below, 57% of the drivers who were involved in collisions during 2004 (where sex was listed) were male; 43% were female. In fatal collisions, 71% of the drivers were male and 29% were female.

TOTAL COLLISIONS		
SEX	NUMBER IN ALL COLLISIONS	PERCENT IN ALL COLLISIONS
MALE	129,127	57.1
FEMALE	97,137	42.9
<b>TOTAL</b>	<b>226,264</b>	<b>100.0</b>

FATAL COLLISIONS		
SEX	NUMBER IN FATAL COLLISIONS	PERCENT IN FATAL COLLISIONS
MALE	944	70.9
FEMALE	387	29.1
<b>TOTAL</b>	<b>1,331</b>	<b>100.0</b>

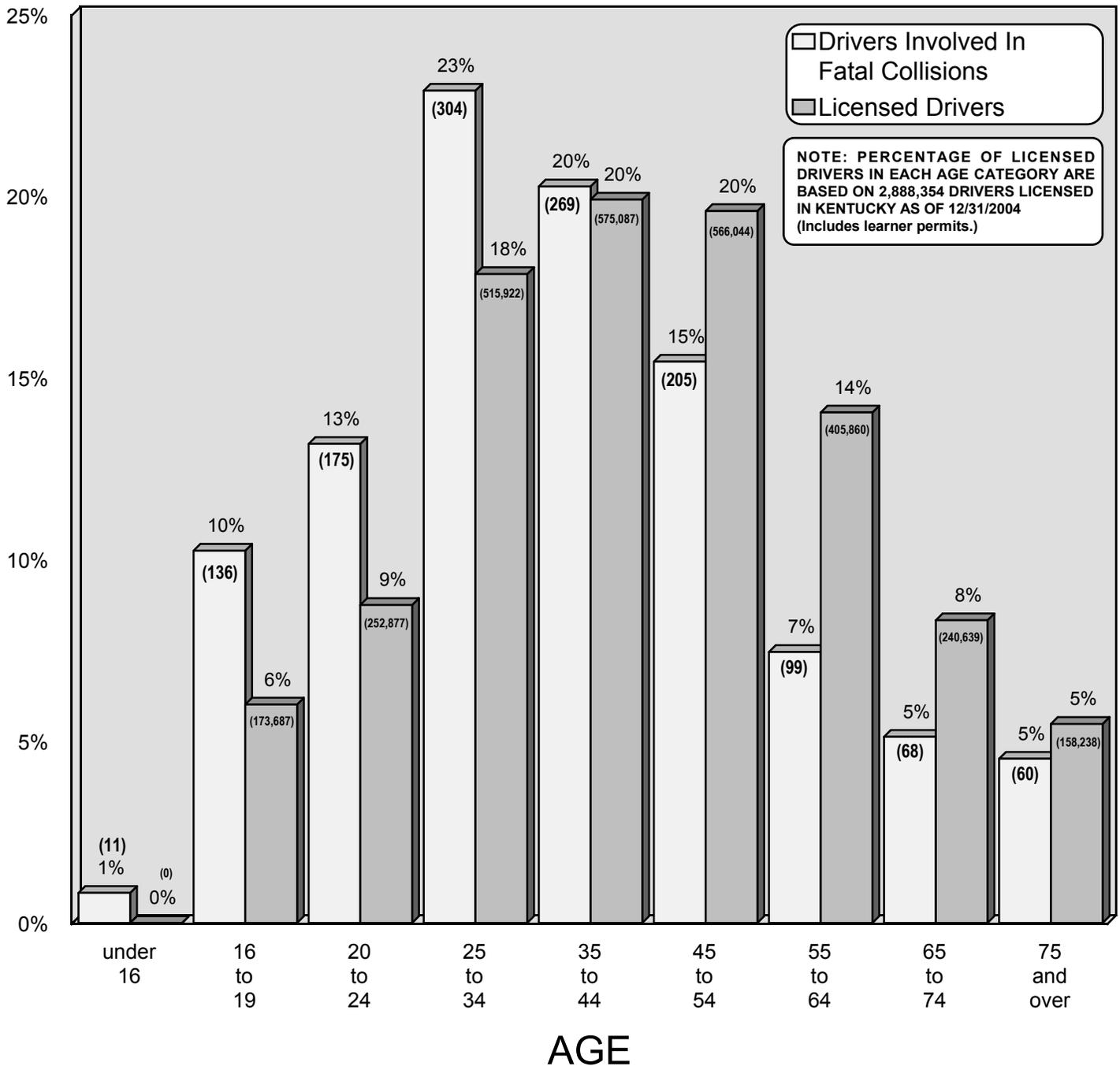
# AGE OF DRIVER (ALL COLLISIONS)

The chart below groups the ages of 224,883 drivers involved in traffic collisions in 2004 in Kentucky (for which age information was available). For each age category, the following information is shown: the percentage of drivers involved in all collisions, the number of drivers involved in these collisions is shown in parentheses, the percentage of all licensed drivers, and the number of licensed drivers is shown in parentheses (includes learner permits). This allows a comparison to be made between the percentage of a given age category of the driving population and the corresponding percentage this age category is involved in collisions. The percentage of drivers involved in all collisions was higher than the percentage of licensed drivers for the age categories under age 35, especially for the 16 to 19 years of age category. This data does not differentiate drivers "at-fault" versus drivers "not-at-fault." There were 1,381 driver's ages which could not be determined. These drivers represent 0.6% of all drivers involved in all collisions. The percentages given below do not consider the "Unknown" category.



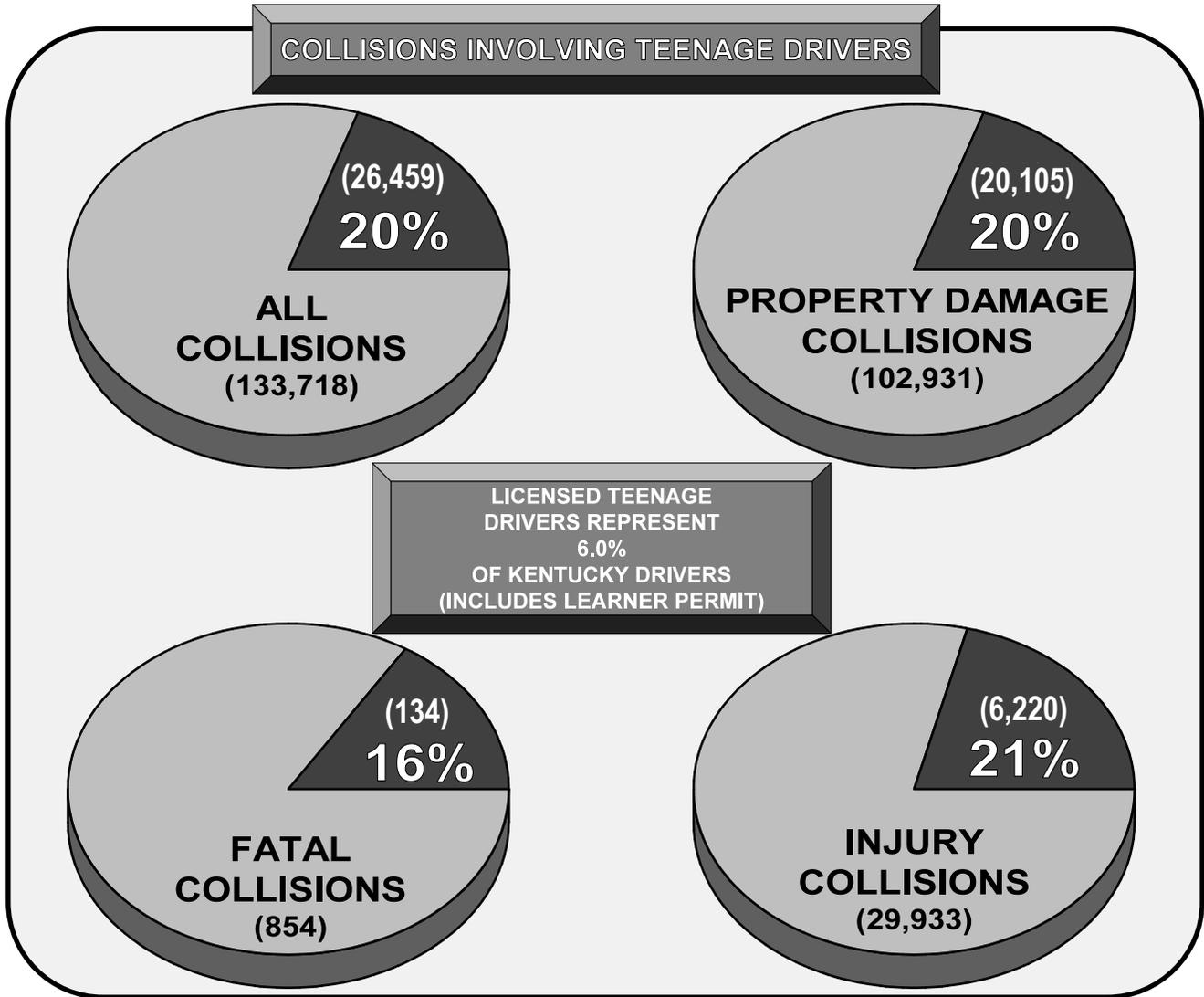
# AGE OF DRIVER (FATAL COLLISIONS)

The chart below groups the ages of 1,327 drivers involved in fatal collisions in 2004 (for which age information was available). It should be noted that the drivers were not necessarily killed in the fatal collision. The number of drivers involved in fatal collisions exceeded the total number of fatal collisions. The numbers of drivers involved in fatal collisions and licensed drivers are in parentheses. The percentage of the driving population within a given age category can be compared to the corresponding percentage of involvement in fatal collisions within this same age category. The largest difference is the over-representation of teenage drivers in fatal collisions (10%) compared to their percent of the driving population (6.0% including learner permits).



# COLLISIONS INVOLVING TEENAGE DRIVERS

The percentages of teenage drivers (16 to 19 years of age versus other groups) involved in collisions during 2004 (by type) are shown below, irrespective of the driver at fault in the collisions reported. The numbers of collisions involving teenage drivers are also shown.



The number of teenage drivers involved in collisions, together with alcohol-related collisions, are shown below. It should be noted that tabulations for alcohol-related collisions were derived from the total number of drinking drivers as reported by the officer at the scene. FARS would report higher numbers. As shown, 594 teenage drivers were involved in alcohol-related collisions during 2004. **There were 154 fatalities in collisions involving a teenage driver (76 of these fatalities were the teenage driver). There were 24 fatalities in alcohol-related collisions involving teenage drivers (10 of these fatalities were the teenage driver).**

NUMBER OF TEENAGE DRIVERS INVOLVED IN:								
YEAR	ALL COLLISIONS	FATAL COLLISIONS	INJURY COLLISIONS	PROPERTY DAMAGE	ALCOHOL RELATED COLLISIONS			
					FATAL	INJURY	PROPERTY DAMAGE	TOTAL
2004	28,448	136	6,609	21,703	19	249	326	594
2003	27,614	119	7,034	20,461	16	241	348	605
2002	29,893	160	8,046	21,867	23	308	353	684
2001	29,503	137	7,945	21,421	20	307	322	649

# ALCOHOL-RELATED COLLISIONS

An alcohol-related collision is any collision where a driver was determined to have been drinking. For injury and property damage collisions, the following information gives the determination made at the scene by the investigating officer and given on the collision report. However, more detailed information regarding drinking drivers in fatal collisions is obtained from FARS, which follows up on blood alcohol content (BAC) results.

Alcohol-related collisions are listed by county beginning on page 40. The following information has been adjusted to agree with FARS statistics involving fatal collisions; therefore, these numbers may not agree with previously listed state totals.

<b>ALL COLLISIONS</b>	<b>FATAL COLLISIONS</b>	<b>170</b>
	<b>INJURY COLLISIONS</b>	<b>2,257</b>
	<b>PROPERTY DAMAGE COLLISIONS</b>	<b>3,202</b>
	<b>TOTAL</b>	<b>5,629</b>

<b>PERSONS KILLED/INJURED</b>	<b>NUMBER KILLED</b>	<b>199</b>
	<b>NUMBER INJURED</b>	<b>3,476</b>
	<b>INCAPACITATING INJURIES</b>	<b>773</b>
	<b>NON-INCAPACITATING INJURIES</b>	<b>1,523</b>
	<b>POSSIBLE INJURIES</b>	<b>1,180</b>

The total number of alcohol involved collisions is depicted in the upper left chart. The number of persons killed and injured in alcohol involved collisions is depicted in the right-hand chart.

5,629 alcohol-related collisions were reported during 2004. 3% of the alcohol-related collisions were fatal, 40% were injury collisions, and 57% were property damage only.

## Comparison with previous years

During 2004, alcohol-related collisions increased by 1% when compared to 2003. The 199 persons killed in 2004 reflect a increase of 12% when compared with 178 persons killed in 2003. During 2004, there were 3,476 persons injured in alcohol-related collisions, a decrease of 3% from 2003 when 3,585 persons were injured.

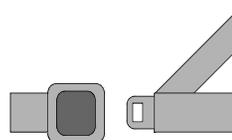
Fatal collision data in the chart below have been adjusted to reflect follow-up studies of alcohol test results.

<b>YEAR</b>	<b>TOTAL COLLISIONS (Alcohol Related)</b>	<b>% CHANGE FROM PREVIOUS YEAR</b>	<b>TOTAL KILLED</b>	<b>% +/-</b>	<b>TOTAL INJURED</b>	<b>% +/-</b>
2004	5,629	+1	199	+12	3,476	-3
2003	5,573	-5	178	-15	3,585	-10
2002	5,851	-0	209	+22	3,979	-0
2001	5,853	-4	172	-12	3,995	-10
2000	6,127	+13	196	-12	4,447	+12
1999	5,441	+4	222	+8	3,981	+3

# SAFETY RESTRAINTS

The chart below compares safety belt usage for the years of 2000 through 2004. The data were obtained as part of an annual observational survey conducted at 200 sites across Kentucky. Data for children under four years of age were collected in both the front and rear seats.

YEAR	PERCENT USING SAFETY BELTS	
	ALL FRONT SEAT DRIVERS & PASSENGERS	CHILDREN UNDER FOUR YEARS OF AGE
2004	66	96
2003	66	95
2002	62	93
2001	62	89
2000	60	87



The chart below shows vehicle occupants by their injury status, and separates the occupants into categories of restraint used and restraint not used. Overall, 11% of all vehicle occupants were killed or injured. A breakdown into restraint usage shows only 11% of those restrained were killed or injured, compared to 45% of those not restrained. Comparing the percentages killed or injured in the "Restraint Used" and "Restraint Not Used" categories shows the benefit of wearing a safety belt. The "NOT APPLICABLE" category includes occupants in vehicles that normally do not contain safety restraints, occupants where safety restraints usage was not indicated, occupants not in an appropriate position, or pedestrians and pedalcyclist.

INJURY STATUS	ALL OCCUPANTS		RESTRAINT USED		RESTRAINT NOT USED		NOT APPLICABLE	
	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL
<b>KILLED</b>	964	0.2	288	0.1	519	2.9	157	0.2
<b>INCAPACITATING INJURY</b>	5,877	1.4	3,373	1.1	1,687	9.5	817	0.8
<b>NON-INCAPACITATING INJURY</b>	17,477	4.2	12,643	4.2	3,292	18.5	1,542	1.6
<b>POSSIBLE INJURY</b>	21,632	5.2	17,689	5.9	2,471	13.9	1,472	1.5
<b>NOT INJURED</b>	367,164	88.9	264,865	88.6	9,815	55.2	92,484	95.9
<b>TOTAL</b>	<b>413,114</b>	<b>100.0</b>	<b>298,858</b>	<b>100.0</b>	<b>17,784</b>	<b>100.0</b>	<b>96,472</b>	<b>100.0</b>

Of the 807 vehicle occupants fatally injured in collisions in 2004 in a position where a safety restraint was available, only 288 were using safety restraints - an overall usage rate of 36% for fatalities.

Note: There were 16,202 crashes involving deployment of front air bags and 732 crashes involving side air bag deployment.

# INTERSECTION COLLISIONS

INTERSECTION COLLISIONS	NUMBER	% OF ALL COLLISIONS
ALL REPORTED	42,409	31.7
NONFATAL INJURY	15,479	34.4
FATAL	143	16.7

## SEX OF DRIVER

INTERSECTION COLLISIONS		
SEX	PERCENT IN ALL INTERSECTION COLLISIONS	PERCENT IN FATAL INTERSECTION COLLISIONS
MALE	55.2	69.1
FEMALE	44.8	30.9

ALL COLLISIONS		
SEX	PERCENT IN ALL COLLISIONS	PERCENT IN FATAL COLLISIONS
MALE	57.1	70.9
FEMALE	42.9	29.1

## LIGHT CONDITION

INTERSECTION COLLISIONS		
LIGHT CONDITION	PERCENT IN ALL INTERSECTION COLLISIONS	PERCENT IN FATAL INTERSECTION COLLISIONS
Daylight	76.8	62.9
Dark	18.5	29.4
Dusk / Dawn	4.6	7.7

ALL COLLISIONS		
LIGHT CONDITION	PERCENT IN ALL COLLISIONS	PERCENT IN FATAL COLLISIONS
Daylight	72.3	55.9
Dark	22.5	37.5
Dusk / Dawn	5	6.7

## ROADWAY CONDITION

INTERSECTION COLLISIONS		
ROADWAY CONDITION	PERCENT IN ALL INTERSECTION COLLISIONS	PERCENT IN FATAL INTERSECTION COLLISIONS
Dry	74.9	84.6
Wet	22.8	14.0
Snow/Ice/Slush	2.6	0.7

ALL COLLISIONS		
ROADWAY CONDITION	PERCENT IN ALL COLLISIONS	PERCENT IN FATAL COLLISIONS
Dry	71.4	77.2
Wet	23.7	20.0
Snow/Ice/Slush	4.4	2.3

## WEEKEND COLLISIONS

INTERSECTION COLLISIONS		
	PERCENT IN ALL INTERSECTION COLLISIONS	PERCENT IN FATAL INTERSECTION COLLISIONS
Weekend	21.3	27

ALL COLLISIONS		
	PERCENT IN ALL COLLISIONS	PERCENT IN FATAL COLLISIONS
Weekend	23	31.9

(Weekend includes Saturday and Sunday)



# **CONTRIBUTING FACTORS**

# CONTRIBUTING FACTORS

A variety of factors and conditions can contribute to a collision. Police officers may indicate up to three driver factors for each driver, two vehicular factors for each vehicle, and up to two environmental factors for each collision. This table gives the number of collisions in which a given factor was listed at least once. Accumulations were made only once for each factor indicated in a collision, even if the factor was listed for more than one driver or vehicle. Therefore, the percentages give the percent of collisions in which a given factor is listed.

HUMAN FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Inattention	54,002	41.60	166	19.64
Failed to Yield Right of Way	16,124	12.42	118	13.96
Not Under Proper Control	13,882	10.69	257	30.41
Too Fast for Conditions	7,397	5.70	88	10.41
Following Too Close	6,524	5.03	2	0.24
Alcohol Involvement	5,645	4.35	186	22.01
Misjudge Clearance	5,239	4.04	11	1.30
Disregard Traffic Control	4,284	3.30	33	3.91
Distraction	4,010	3.09	20	2.37
Overcorrecting/Oversteering	3,495	2.69	109	12.90
Turning Improperly	2,128	1.64	6	0.71
Exceeded Stated Speed Limit	1,972	1.52	99	11.72
Fell Asleep	1,375	1.06	29	3.43
Improper Passing	1,300	1.00	17	2.01
Drug Involvement	1,151	0.89	34	4.02
Improper Backing	1,025	0.79	0	0.00
Cell Phone	791	0.61	1	0.12
Lost Consciousness/Fainted	647	0.50	10	1.18
Fatigue	405	0.31	12	1.42
Emotional	391	0.30	3	0.36
Weaving in Traffic	349	0.27	3	0.36
Sick	319	0.25	3	0.36
Physical Disability	274	0.21	4	0.47
Medication	195	0.15	3	0.36

# CONTRIBUTING FACTORS

## (cont'd)

A variety of factors and conditions can contribute to a collision. Police officers may indicate up to three driver factors for each driver, two vehicular factors for each vehicle, and up to two environmental factors for each collision. This table gives the number of collisions in which a given factor was listed at least once. Accumulations were made only once for each factor indicated in a collision, even if the factor was listed for more than one driver or vehicle. Therefore, the percentages give the percent of collisions in which a given factor is listed.

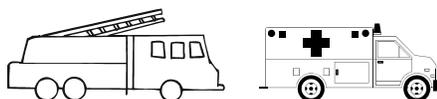
<b>VEHICULAR FACTORS</b>	<b>ALL COLLISIONS</b>	<b>PERCENT OF TOTAL</b>	<b>FATAL COLLISIONS</b>	<b>PERCENT OF TOTAL</b>
Brakes Defective	1,438	1.11	4	0.47
Tire Failure	836	0.64	14	1.66
Load Securement	350	0.27	1	0.12
Steering Failure	347	0.27	1	0.12
Oversized Load on Vehicle	138	0.11	3	0.36
Tow Hitch Defective / Separation of Units	134	0.10	3	0.36
Other Lighting Defective	118	0.09	2	0.24
Headlights Defective	40	0.03	3	0.36
Overweight	36	0.03	1	0.12

<b>ENVIRONMENTAL FACTORS</b>	<b>ALL COLLISIONS</b>	<b>PERCENT OF TOTAL</b>	<b>FATAL COLLISIONS</b>	<b>PERCENT OF TOTAL</b>
Slippery Surface	16,138	12.43	96	11.36
Animals Action	4,715	3.63	6	0.71
View Obstructed / Limited	3,390	2.61	46	5.44
Water Pooling	1,614	1.24	14	1.66
Glare	1,021	0.79	7	0.83
Debris In Roadway	731	0.56	3	0.36
Construction Work Zone	469	0.36	4	0.47
Improperly Parked Vehicle(s)	401	0.31	5	0.59
Shoulders Defective / Drop-off	347	0.27	8	0.95
Hole/Deep Ruts/Bumps	147	0.11	2	0.24
Improper / Non-Working Traffic Controls	128	0.10	1	0.12
Maintenance / Utility Work Zone	100	0.08	0	0.00
Fixed Object(s)	57	0.04	1	0.12

# CONTRIBUTING FACTORS

The following tables outline driver factors that contributed to each type of collision. Driver-contributing factors are summarized for each specific collision type. Any factor cannot be accumulated more than once in one collision. The percentages represent the percent a given factor occurred in a specific type of collision.

COLLISIONS INVOLVING EMERGENCY VEHICLES	
TOTAL EMERGENCY VEHICLE COLLISIONS	1,068
FATAL COLLISIONS	6
INJURY COLLISIONS	206
TOTAL KILLED	6
TOTAL INJURED	337



EMERGENCY VEHICLE COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	61	5.71	0	0.00
Cell Phone	5	0.47	0	0.00
Disregard Traffic Control	38	3.56	0	0.00
Distraction	41	3.84	1	16.67
Drug Involvement	20	1.87	0	0.00
Emotional	8	0.75	0	0.00
Exceeded Stated Speed Limit	25	2.34	2	33.33
Failed to Yield Right of Way	128	11.99	2	33.33
Fatigue	1	0.09	0	0.00
Fell Asleep	3	0.28	0	0.00
Following Too Close	30	2.81	0	0.00
Improper Backing	14	1.31	0	0.00
Improper Passing	15	1.40	0	0.00
Inattention	307	28.75	0	0.00
Lost Consciousness/Fainted	1	0.09	0	0.00
Medication	0	0.00	0	0.00
Misjudge Clearance	115	10.77	0	0.00
Not Under Proper Control	81	7.58	2	33.33
Overcorrecting/Oversteering	27	2.53	1	16.67
Physical Disability	0	0.00	0	0.00
Sick	1	0.09	0	0.00
Too Fast for Conditions	41	3.84	0	0.00
Turning Improperly	17	1.59	0	0.00
Weaving in Traffic	1	0.09	0	0.00

COLLISIONS INVOLVING FARM EQUIPMENT	
TOTAL FARM EQUIPMENT COLLISIONS	198
FATAL COLLISIONS	3
INJURY COLLISIONS	45
TOTAL KILLED	3
TOTAL INJURED	59



FARM EQUIPMENT COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	5	2.53	0	0.00
Cell Phone	0	0.00	0	0.00
Disregard Traffic Control	2	1.01	0	0.00
Distraction	6	3.03	0	0.00
Drug Involvement	2	1.01	0	0.00
Emotional	0	0.00	0	0.00
Exceeded Stated Speed Limit	2	1.01	1	33.33
Failed to Yield Right of Way	21	10.61	1	33.33
Fatigue	1	0.51	0	0.00
Fell Asleep	2	1.01	0	0.00
Following Too Close	4	2.02	0	0.00
Improper Backing	1	0.51	0	0.00
Improper Passing	23	11.62	0	0.00
Inattention	69	34.85	1	33.33
Lost Consciousness/Fainted	0	0.00	0	0.00
Medication	0	0.00	0	0.00
Misjudge Clearance	22	11.11	0	0.00
Not Under Proper Control	19	9.60	1	33.33
Overcorrecting/Oversteering	3	1.52	0	0.00
Physical Disability	0	0.00	0	0.00
Sick	0	0.00	0	0.00
Too Fast for Conditions	2	1.01	0	0.00
Turning Improperly	3	1.52	0	0.00
Weaving in Traffic	0	0.00	0	0.00

# CONTRIBUTING FACTORS (cont'd)

The following tables outline driver factors that contributed to each type of collision. Driver-contributing factors are summarized for each specific collision type. Any factor cannot be accumulated more than once in one collision. The percentages represent the percent a given factor occurred in a specific type of collision.

COLLISIONS INVOLVING SCHOOL BUSES	
TOTAL SCHOOL BUS COLLISIONS	887
FATAL COLLISIONS	5
INJURY COLLISIONS	112
TOTAL KILLED	5
TOTAL INJURED	278



SCHOOL BUS COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	11	1.24	1	20.00
Cell Phone	3	0.34	0	0.00
Disregard Traffic Control	16	1.80	0	0.00
Distraction	21	2.37	0	0.00
Drug Involvement	3	0.34	0	0.00
Emotional	0	0.00	0	0.00
Exceeded Stated Speed Limit	7	0.79	0	0.00
Failed to Yield Right of Way	79	8.91	2	40.00
Fatigue	0	0.00	0	0.00
Fell Asleep	9	1.01	0	0.00
Following Too Close	30	3.38	0	0.00
Improper Backing	13	1.47	0	0.00
Improper Passing	9	1.01	0	0.00
Inattention	331	37.32	1	20.00
Lost Consciousness/Fainted	1	0.11	0	0.00
Medication	1	0.11	0	0.00
Misjudge Clearance	178	20.07	0	0.00
Not Under Proper Control	76	8.57	0	0.00
Overcorrecting/Oversteering	7	0.79	0	0.00
Physical Disability	0	0.00	0	0.00
Sick	1	0.11	0	0.00
Too Fast for Conditions	27	3.04	0	0.00
Turning Improperly	12	1.35	0	0.00
Weaving in Traffic	4	0.45	0	0.00

COLLISIONS INVOLVING ELEMENTARY SCHOOL AGE CHILDREN	
TOTAL ELEM. SCHOOL AGE CHILDREN COLLISIONS	7,890
FATAL COLLISIONS	62
INJURY COLLISIONS	2,467
TOTAL KILLED	
ALL AGES	80
6-12 YEARS OF AGE	22
TOTAL INJURED	
ALL AGES	5,370
6-12 YEARS OF AGE	1,879



ELEMENTARY SCHOOL AGE CHILDREN COLLISIONS (6 TO 12 YEARS OF AGE)				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	167	2.12	12	19.35
Cell Phone	40	0.51	0	0.00
Disregard Traffic Control	303	3.84	4	6.45
Distraction	347	4.40	1	1.61
Drug Involvement	39	0.49	1	1.61
Emotional	20	0.25	0	0.00
Exceeded Stated Speed Limit	76	0.96	6	9.68
Failed to Yield Right of Way	1,127	14.28	15	24.19
Fatigue	18	0.23	0	0.00
Fell Asleep	48	0.61	0	0.00
Following Too Close	449	5.69	1	1.61
Improper Backing	57	0.72	0	0.00
Improper Passing	90	1.14	1	1.61
Inattention	3,843	48.71	17	27.42
Lost Consciousness/Fainted	18	0.23	1	1.61
Medication	4	0.05	0	0.00
Misjudge Clearance	311	3.94	2	3.23
Not Under Proper Control	763	9.67	14	22.58
Overcorrecting/Oversteering	157	1.99	8	12.90
Physical Disability	24	0.30	0	0.00
Sick	15	0.19	0	0.00
Too Fast for Conditions	380	4.82	10	16.13
Turning Improperly	127	1.61	0	0.00
Weaving in Traffic	12	0.15	1	1.61

# CONTRIBUTING FACTORS (cont'd)

The following tables outline driver factors that contributed to each type of collision. Driver-contributing factors are summarized for each specific collision type. Any factor cannot be accumulated more than once in one collision. The percentages represent the percent a given factor occurred in a specific type of collision.

COLLISIONS INVOLVING PEDESTRIAN	
<b>COLLISIONS INVOLVING PEDESTRIANS</b>	<b>906</b>
<b>FATAL COLLISIONS</b>	<b>49</b>
<b>INJURY COLLISIONS</b>	<b>759</b>
<b>TOTAL KILLED</b>	<b>50</b>
<b>TOTAL INJURED</b>	<b>849</b>



PEDESTRIAN COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	33	3.65	6	12.24
Cell Phone	2	0.22	0	0.00
Disregard Traffic Control	13	1.44	0	0.00
Distraction	15	1.66	2	4.08
Drug Involvement	8	0.88	1	2.04
Emotional	11	1.22	0	0.00
Exceeded Stated Speed Limit	10	1.11	2	4.08
Failed to Yield Right of Way	68	7.52	4	8.16
Fatigue	0	0.00	0	0.00
Fell Asleep	1	0.11	0	0.00
Following Too Close	0	0.00	0	0.00
Improper Backing	1	0.11	0	0.00
Improper Passing	3	0.33	0	0.00
Inattention	231	25.55	4	8.16
Lost Consciousness/Fainted	1	0.11	0	0.00
Medication	0	0.00	0	0.00
Misjudge Clearance	20	2.21	0	0.00
Not Under Proper Control	37	4.09	3	6.12
Overcorrecting/Oversteering	1	0.11	0	0.00
Physical Disability	0	0.00	0	0.00
Sick	0	0.00	0	0.00
Too Fast for Conditions	15	1.66	0	0.00
Turning Improperly	3	0.33	0	0.00
Weaving in Traffic	3	0.33	0	0.00

COLLISIONS INVOLVING BICYCLES	
<b>TOTAL BICYCLE COLLISIONS</b>	<b>452</b>
<b>FATAL COLLISIONS</b>	<b>6</b>
<b>INJURY COLLISIONS</b>	<b>334</b>
<b>TOTAL KILLED</b>	<b>6</b>
<b>TOTAL INJURED</b>	<b>347</b>



BICYCLE COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	7	1.55	0	0.00
Cell Phone	1	0.22	0	0.00
Disregard Traffic Control	8	1.77	1	16.67
Distraction	4	0.88	0	0.00
Drug Involvement	1	0.22	0	0.00
Emotional	3	0.66	0	0.00
Exceeded Stated Speed Limit	6	1.32	0	0.00
Failed to Yield Right of Way	39	8.61	0	0.00
Fatigue	0	0.00	0	0.00
Fell Asleep	0	0.00	0	0.00
Following Too Close	0	0.00	0	0.00
Improper Backing	1	0.22	0	0.00
Improper Passing	2	0.44	1	16.67
Inattention	118	26.05	2	33.33
Lost Consciousness/Fainted	1	0.22	0	0.00
Medication	0	0.00	0	0.00
Misjudge Clearance	1	0.22	0	0.00
Not Under Proper Control	6	1.32	0	0.00
Overcorrecting/Oversteering	0	0.00	0	0.00
Physical Disability	0	0.00	0	0.00
Sick	0	0.00	0	0.00
Too Fast for Conditions	5	1.10	0	0.00
Turning Improperly	0	0.00	0	0.00
Weaving in Traffic	3	0.66	0	0.00

# CONTRIBUTING FACTORS (cont'd)

The following tables outline driver factors that contributed to each type of collision. Driver-contributing factors are summarized for each specific collision type. Any factor cannot be accumulated more than once in one collision. The percentages represent the percent a given factor occurred in a specific type of collision.

COLLISIONS INVOLVING ALL TERRAIN VEHICLES	
TOTAL ALL TERRAIN VEHICLE COLLISIONS	162
FATAL COLLISIONS	15
INJURY COLLISIONS	102
TOTAL KILLED	16
HELMET USED	1
TOTAL INJURED	132
HELMET USED	6



ALL TERRAIN VEHICLES				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	30	18.52	2	13.33
Cell Phone	0	0.00	0	0.00
Disregard Traffic Control	0	0.00	1	6.67
Distraction	4	2.47	0	0.00
Drug Involvement	5	3.09	1	6.67
Emotional	1	0.62	0	0.00
Exceeded Stated Speed Limit	3	1.85	0	0.00
Failed to Yield Right of Way	18	11.11	1	6.67
Fatigue	0	0.00	0	0.00
Fell Asleep	0	0.00	0	0.00
Following Too Close	0	0.00	0	0.00
Improper Backing	0	0.00	0	0.00
Improper Passing	1	0.62	0	0.00
Inattention	44	27.16	3	20.00
Lost Consciousness/Fainted	0	0.00	0	0.00
Medication	0	0.00	0	0.00
Misjudge Clearance	4	2.47	0	0.00
Not Under Proper Control	45	27.78	5	33.33
Overcorrecting/Oversteering	4	2.47	2	13.33
Physical Disability	0	0.00	0	0.00
Sick	0	0.00	0	0.00
Too Fast for Conditions	19	11.73	1	6.67
Turning Improperly	1	0.62	0	0.00
Weaving in Traffic	0	0.00	0	0.00

COLLISIONS INVOLVING MOTORCYCLES	
TOTAL MOTORCYCLES COLLISIONS	1,581
FATAL COLLISIONS	70
INJURY COLLISIONS	1,114
TOTAL KILLED	74
HELMET USED	25
TOTAL INJURED	1,344



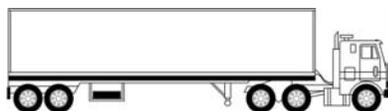
MOTORCYCLE COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	146	9.23	18	25.71
Cell Phone	5	0.32	0	0.00
Disregard Traffic Control	25	1.58	2	2.86
Distraction	45	2.85	3	4.29
Drug Involvement	15	0.95	2	2.86
Emotional	2	0.13	0	0.00
Exceeded Stated Speed Limit	90	5.69	16	22.86
Failed to Yield Right of Way	183	11.57	15	21.43
Fatigue	1	0.06	0	0.00
Fell Asleep	3	0.19	0	0.00
Following Too Close	44	2.78	0	0.00
Improper Backing	5	0.32	0	0.00
Improper Passing	27	1.71	1	1.43
Inattention	509	32.19	15	21.43
Lost Consciousness/Fainted	4	0.25	0	0.00
Medication	2	0.13	0	0.00
Misjudge Clearance	29	1.83	2	2.86
Not Under Proper Control	381	24.10	23	32.86
Overcorrecting/Oversteering	38	2.40	2	2.86
Physical Disability	2	0.13	0	0.00
Sick	1	0.06	0	0.00
Too Fast for Conditions	60	3.80	4	5.71
Turning Improperly	28	1.77	2	2.86
Weaving in Traffic	4	0.25	0	0.00

# CONTRIBUTING FACTORS (cont'd)

The following tables outline driver factors that contributed to each type of collision. Driver-contributing factors are summarized for each specific collision type. Any factor cannot be accumulated more than once in one collision. The percentages represent the percent a given factor occurred in a specific type of collision.

COLLISIONS INVOLVING TRUCKS*	
TOTAL TRUCK COLLISIONS	10,015
FATAL COLLISIONS	122
INJURY COLLISIONS	1,918
TOTAL KILLED	137
TOTAL INJURED	2,806

\*A truck is defined as a vehicle with a registered weight of 10,000 pounds or more.



TRUCK COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	154	1.54	7	5.74
Cell Phone	29	0.29	1	0.82
Disregard Traffic Control	217	2.17	4	3.28
Distraction	214	2.14	4	3.28
Drug Involvement	39	0.39	4	3.28
Emotional	12	0.12	0	0.00
Exceeded Stated Speed Limit	90	0.90	3	2.46
Failed to Yield Right of Way	1,021	10.19	25	20.49
Fatigue	50	0.50	1	0.82
Fell Asleep	115	1.15	4	3.28
Following Too Close	425	4.24	1	0.82
Improper Backing	172	1.72	0	0.00
Improper Passing	153	1.53	3	2.46
Inattention	3,815	38.09	38	31.15
Lost Consciousness/Fainted	35	0.35	1	0.82
Medication	6	0.06	0	0.00
Misjudge Clearance	1,169	11.67	3	2.46
Not Under Proper Control	1,122	11.20	47	38.52
Overcorrecting/Oversteering	202	2.02	11	9.02
Physical Disability	14	0.14	1	0.82
Sick	22	0.22	0	0.00
Too Fast for Conditions	459	4.58	16	13.11
Turning Improperly	234	2.34	3	2.46
Weaving in Traffic	42	0.42	0	0.00

COLLISIONS INVOLVING TRAINS	
TOTAL TRAIN COLLISIONS	51
FATAL COLLISIONS	4
INJURY COLLISIONS	18
TOTAL KILLED	6
TOTAL INJURED	23



TRAIN COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	4	7.84	0	0.00
Cell Phone	1	1.96	0	0.00
Disregard Traffic Control	13	25.49	2	50.00
Distraction	1	1.96	0	0.00
Drug Involvement	0	0.00	0	0.00
Emotional	1	1.96	0	0.00
Exceeded Stated Speed Limit	0	0.00	0	0.00
Failed to Yield Right of Way	20	39.22	1	25.00
Fatigue	0	0.00	0	0.00
Fell Asleep	0	0.00	0	0.00
Following Too Close	0	0.00	0	0.00
Improper Backing	1	1.96	0	0.00
Improper Passing	0	0.00	0	0.00
Inattention	22	43.14	2	50.00
Lost Consciousness/Fainted	0	0.00	0	0.00
Medication	0	0.00	0	0.00
Misjudge Clearance	2	3.92	0	0.00
Not Under Proper Control	0	0.00	0	0.00
Overcorrecting/Oversteering	0	0.00	0	0.00
Physical Disability	0	0.00	0	0.00
Sick	0	0.00	0	0.00
Too Fast for Conditions	1	1.96	0	0.00
Turning Improperly	0	0.00	0	0.00
Weaving in Traffic	0	0.00	0	0.00

# CONTRIBUTING FACTORS (cont'd)

The following tables outline driver factors that contributed to each type of collision. Driver-contributing factors are summarized for each specific collision type. Any factor cannot be accumulated more than once in one collision. The percentages represent the percent a given factor occurred in a specific type of collision.

COLLISIONS INVOLVING MULTIPLE FATALITIES	
<b>TOTAL MULTIPLE FATALITY COLLISIONS</b>	<b>94</b>
<b>FATAL COLLISIONS</b>	<b>94</b>
<b>TOTAL KILLED</b>	<b>204</b>
<b>TOTAL INJURED</b>	<b>102</b>



MULTIPLE FATALITY COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	31	32.98	31	32.98
Cell Phone	0	0.00	0	0.00
Disregard Traffic Control	9	9.57	9	9.57
Distraction	3	3.19	3	3.19
Drug Involvement	4	4.26	4	4.26
Emotional	0	0.00	0	0.00
Exceeded Stated Speed Limit	19	20.21	19	20.21
Failed to Yield Right of Way	9	9.57	9	9.57
Fatigue	1	1.06	1	1.06
Fell Asleep	3	3.19	3	3.19
Following Too Close	0	0.00	0	0.00
Improper Backing	0	0.00	0	0.00
Improper Passing	1	1.06	1	1.06
Inattention	12	12.77	12	12.77
Lost Consciousness/Fainted	1	1.06	1	1.06
Medication	0	0.00	0	0.00
Misjudge Clearance	3	3.19	3	3.19
Not Under Proper Control	39	41.49	39	41.49
Overcorrecting/Oversteering	15	15.96	15	15.96
Physical Disability	0	0.00	0	0.00
Sick	0	0.00	0	0.00
Too Fast for Conditions	19	20.21	19	20.21
Turning Improperly	0	0.00	0	0.00
Weaving in Traffic	0	0.00	0	0.00



# **COLLISIONS BY COUNTY**

# COLLISIONS BY COUNTY

## 2003 VS 2004

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004
Adair	436	469	6	5	102	108	328	356	6	5	157	183
Allen	446	385	11	4	111	91	324	290	13	4	181	135
Anderson	550	425	0	7	139	107	411	311	0	7	248	178
Ballard	189	188	0	1	59	54	130	133	0	1	85	79
Barren	1,394	1,384	11	7	331	335	1,052	1,042	11	12	543	518
Bath	295	296	3	4	80	85	212	207	3	6	122	136
Bell	775	718	8	11	244	182	523	525	11	14	383	295
Boone	3,845	4,165	11	15	819	771	3,015	3,379	13	15	1,184	1,132
Bourbon	673	624	6	2	160	146	507	476	6	2	231	214
Boyd	2,014	1,998	7	6	474	446	1,533	1,546	9	8	687	668
Boyle	938	929	8	5	222	209	708	715	8	5	339	304
Bracken	200	185	3	5	65	49	132	131	4	6	98	77
Breathitt	381	352	9	9	160	144	212	199	9	11	289	281
Breckinridge	323	254	4	4	107	79	212	171	4	4	183	118
Bullitt	1,444	1,549	7	10	401	374	1,036	1,165	8	12	602	559
Butler	230	249	2	5	92	75	136	169	2	5	138	118
Caldwell	307	318	1	5	94	71	212	242	1	6	127	89
Calloway	1,028	1,165	7	9	174	185	847	971	7	9	255	247
Campbell	3,012	3,025	9	11	449	472	2,554	2,542	10	12	640	661
Carlisle	112	104	1	1	29	35	82	68	1	1	38	53
Carroll	406	440	7	4	92	79	307	357	7	5	142	121
Carter	685	608	13	11	164	149	508	448	15	13	256	245
Casey	171	216	3	6	54	63	114	147	4	7	71	96
Christian	1,788	1,987	15	12	455	472	1,318	1,503	16	12	687	689
Clark	1,151	1,256	8	5	234	266	909	985	8	5	328	383
Clay	463	432	11	8	209	182	243	242	12	9	341	314
Clinton	151	166	8	3	43	44	100	119	8	3	73	60
Crittenden	206	232	2	4	69	83	135	145	2	4	99	111
Cumberland	65	55	1	2	24	13	40	40	1	2	38	19
Daviess	3,215	3,316	9	9	720	664	2,486	2,643	10	9	1,063	1,008
Edmonson	233	218	0	2	63	67	170	149	0	2	91	109
Elliott	114	106	0	1	41	34	73	71	0	1	69	49
Estill	286	279	4	3	80	90	202	186	4	3	124	126
Fayette	13,268	12,480	29	28	2,476	2,221	10,763	10,231	30	28	3,498	3,124
Fleming	267	288	1	3	73	93	193	192	1	3	105	150
Floyd	1,007	1,017	16	18	411	389	580	610	16	24	731	642
Franklin	1,740	1,762	10	4	289	307	1,441	1,451	10	5	446	448
Fulton	199	151	2	1	45	42	152	108	2	1	66	57
Gallatin	203	318	3	3	72	97	128	218	4	4	106	156
Garrard	416	409	2	5	118	110	296	294	2	6	186	163

# COLLISIONS BY COUNTY

## 2003 VS 2004

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004
Grant	781	835	4	4	176	208	601	623	4	6	307	306
Graves	921	960	13	12	243	241	665	707	13	12	356	363
Grayson	714	761	8	11	195	221	511	529	8	13	290	322
Green	210	167	2	2	58	35	150	130	2	2	75	67
Greenup	678	688	5	9	159	163	514	516	5	11	231	223
Hancock	131	139	0	1	36	31	95	107	0	1	50	50
Hardin	2,918	2,949	18	20	588	565	2,312	2,364	21	20	917	848
Harlan	655	649	9	8	199	231	447	410	10	9	320	358
Harrison	535	507	1	1	135	106	399	400	1	1	213	141
Hart	479	457	7	8	106	112	366	337	7	9	180	186
Henderson	1,870	2,018	9	7	422	467	1,439	1,544	10	7	650	690
Henry	394	369	5	4	110	97	279	268	6	4	169	141
Hickman	105	82	3	2	30	24	72	56	3	2	41	29
Hopkins	1,607	1,610	6	7	395	392	1,206	1,211	7	7	606	574
Jackson	271	247	7	4	95	99	169	144	9	6	157	146
Jefferson	24,199	27,973	78	73	5,716	5,563	18,405	22,337	81	83	8,380	8,127
Jessamine	1,470	1,395	6	7	329	275	1,135	1,113	7	8	513	413
Johnson	537	508	6	4	167	160	364	344	7	4	277	273
Kenton	5,706	5,861	11	13	959	944	4,736	4,904	11	16	1,340	1,306
Knott	410	376	5	4	163	155	242	217	6	5	248	245
Knox	760	775	8	12	218	249	534	514	9	12	354	415
Larue	340	344	5	6	90	94	245	244	6	8	155	133
Laurel	1,687	1,700	16	23	437	420	1,234	1,257	18	25	691	694
Lawrence	212	165	4	3	76	52	132	110	4	3	131	87
Lee	88	107	3	3	29	32	56	72	4	3	59	52
Leslie	244	281	9	8	127	108	108	165	9	10	211	156
Letcher	451	517	12	5	198	201	241	311	12	5	299	308
Lewis	275	282	6	2	85	106	184	174	6	2	130	156
Lincoln	474	495	6	7	162	161	306	327	6	7	254	238
Livingston	256	235	4	1	64	71	188	163	5	1	84	100
Logan	631	669	7	6	168	154	456	509	8	8	247	215
Lyon	250	224	0	4	60	52	190	168	0	4	86	88
McCracken	2,643	2,803	15	11	712	748	1,916	2,044	16	12	1,078	1,119
McCreary	293	248	5	5	102	88	186	155	7	8	164	161
McLean	199	211	3	3	56	60	140	148	3	4	81	98
Madison	2,757	2,662	11	20	500	412	2,246	2,230	11	25	765	686
Magoffin	245	247	4	7	94	90	147	150	4	8	149	142
Marion	468	528	5	7	139	127	324	394	6	8	208	214
Marshall	937	861	11	8	242	245	684	608	11	9	342	348
Martin	157	172	6	2	65	66	86	104	6	2	115	98

# COLLISIONS BY COUNTY

## 2003 VS 2004

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004
Mason	727	696	5	5	162	146	560	545	8	5	265	244
Meade	575	533	6	8	162	139	407	386	6	8	248	216
Menifee	113	117	0	1	36	41	77	75	0	1	52	54
Mercer	568	587	3	4	143	145	422	438	3	5	202	213
Metcalfe	238	201	4	2	57	56	177	143	4	2	99	89
Monroe	126	158	3	2	26	52	97	104	3	2	43	83
Montgomery	766	828	11	8	213	213	542	607	14	8	326	316
Morgan	301	253	2	1	102	97	197	155	2	1	162	128
Muhlenberg	783	824	10	14	234	241	539	569	11	16	369	355
Nelson	1,236	1,256	7	8	271	278	958	970	7	8	394	394
Nicholas	168	112	0	1	45	30	123	81	0	1	61	50
Ohio	702	681	6	7	246	209	450	465	6	8	363	317
Oldham	997	958	6	1	206	173	785	784	7	1	275	245
Owen	208	215	2	1	77	75	129	139	2	1	112	127
Owsley	98	72	2	1	36	25	60	46	2	1	58	37
Pendleton	402	404	3	4	84	110	315	290	3	4	133	166
Perry	878	862	12	5	314	316	552	541	13	7	515	537
Pike	2,026	1,984	24	26	791	718	1,211	1,240	29	28	1,281	1,120
Powell	299	319	4	6	91	91	204	222	4	10	145	158
Pulaski	1,948	2,015	20	18	384	406	1,544	1,591	23	21	634	678
Robertson	18	21	0	1	7	6	11	14	0	2	10	15
Rockcastle	518	546	4	6	126	122	388	418	5	7	212	202
Rowan	902	840	4	10	242	198	656	632	4	11	353	301
Russell	208	288	1	3	67	85	140	200	1	3	106	128
Scott	1,343	1,279	10	7	337	319	996	953	12	8	512	488
Shelby	1,188	1,221	13	11	275	240	900	970	15	15	432	401
Simpson	522	501	4	6	120	116	398	379	8	8	177	177
Spencer	240	234	3	5	70	71	167	158	3	5	118	107
Taylor	782	738	3	4	164	144	615	590	4	4	248	201
Todd	222	178	4	4	58	49	160	125	5	4	81	71
Trigg	266	288	4	2	80	85	182	201	5	2	119	137
Trimble	185	181	4	4	53	56	128	121	4	5	72	92
Union	398	399	5	6	130	118	263	275	7	6	191	174
Warren	4,239	4,335	21	26	950	919	3,268	3,390	22	27	1,410	1,369
Washington	273	263	2	1	68	70	203	192	3	1	102	98
Wayne	357	381	6	6	104	86	247	289	6	7	185	171
Webster	350	308	3	3	108	88	239	217	3	4	143	134
Whitley	989	1,025	15	9	268	266	706	750	19	9	455	405
Wolfe	213	217	3	2	63	74	147	141	3	2	111	125
Woodford	872	805	5	13	156	152	711	640	5	15	219	232
<b>TOTALS</b>	<b>129,828</b>	<b>133,718</b>	<b>845</b>	<b>854</b>	<b>31,075</b>	<b>29,933</b>	<b>97,908</b>	<b>102,931</b>	<b>928</b>	<b>964</b>	<b>46,966</b>	<b>44,986</b>

# COLLISIONS INVOLVING DRINKING DRIVERS BY COUNTY 2003 VS 2004

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL *		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED *		INJURED	
	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004
Adair	11	22	1	1	5	13	5	8	1	1	6	18
Allen	22	19	3	1	6	9	13	9	4	1	9	15
Anderson	19	28	0	1	9	8	10	19	0	1	14	19
Ballard	15	14	0	0	11	7	4	7	0	0	15	13
Barren	36	41	1	1	17	16	18	24	1	4	25	24
Bath	22	24	2	2	9	9	11	13	2	3	14	16
Bell	36	30	4	1	12	11	20	18	5	2	16	13
Boone	119	155	1	2	46	48	72	105	1	2	63	67
Bourbon	37	37	0	1	16	8	21	28	0	1	23	14
Boyd	55	65	1	2	19	28	35	35	1	3	25	45
Boyle	28	29	1	2	10	12	17	15	1	2	15	15
Bracken	9	12	0	1	7	5	2	6	0	1	8	13
Breathitt	15	15	1	2	10	8	4	5	1	2	17	16
Breckinridge	15	12	1	2	10	8	4	2	1	2	18	10
Bullitt	54	62	2	3	23	36	29	23	2	3	40	56
Butler	4	14	0	2	2	8	2	4	0	2	3	14
Caldwell	14	9	0	0	7	5	7	4	0	0	7	5
Calloway	42	47	2	1	12	26	28	20	2	1	14	32
Campbell	127	148	1	2	40	37	86	109	1	2	50	60
Carlisle	7	5	0	0	4	3	3	2	0	0	6	4
Carroll	15	23	0	2	5	8	10	13	0	3	9	15
Carter	35	26	4	0	14	12	17	14	6	0	20	17
Casey	17	15	1	2	12	6	4	7	1	2	16	11
Christian	90	110	3	0	36	38	51	72	3	0	63	60
Clark	46	45	3	0	14	16	29	29	3	0	20	19
Clay	17	18	1	1	13	14	3	3	1	1	24	24
Clinton	7	8	1	0	1	5	5	3	1	0	4	5
Crittenden	8	13	0	2	5	6	3	5	0	2	6	8
Cumberland	1	7	0	0	1	4	0	3	0	0	1	6
Daviess	136	142	1	1	50	55	85	86	1	1	73	91
Edmonson	13	6	0	0	8	4	5	2	0	0	12	7
Elliott	8	7	0	1	4	3	4	3	0	1	4	5
Estill	22	21	2	1	9	12	11	8	2	1	18	16
Fayette	557	518	7	6	173	161	377	351	7	6	240	221
Fleming	12	19	0	0	9	10	3	9	0	0	14	12
Floyd	64	52	5	2	43	30	16	20	5	3	68	43
Franklin	65	67	0	1	24	26	41	40	0	1	38	48
Fulton	13	8	0	0	7	4	6	4	0	0	10	8
Gallatin	15	16	1	0	6	11	8	5	2	0	9	19
Garrard	22	20	0	2	13	6	9	12	0	2	23	9

\* Fatal collision data has been adjusted to reflect follow-up studies of drivers with blood alcohol content (BAC) of .01 or higher (from FARS). This also affects the total of all collisions.

# COLLISIONS INVOLVING DRINKING DRIVERS BY COUNTY 2003 VS 2004

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL *		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED *		INJURED	
	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004
Grant	26	33	0	1	15	17	11	15	0	2	25	19
Graves	52	37	4	3	21	16	27	18	4	3	31	25
Grayson	31	30	3	1	15	13	13	16	3	1	21	16
Green	9	7	0	0	6	3	3	4	0	0	6	3
Greenup	33	27	1	2	12	15	20	10	1	2	16	19
Hancock	12	2	0	0	7	0	5	2	0	0	9	0
Hardin	115	86	5	2	46	22	64	62	6	2	77	24
Harlan	27	29	1	1	8	10	18	18	1	2	12	14
Harrison	26	35	0	0	10	9	16	26	0	0	19	11
Hart	18	18	1	2	4	8	13	8	1	2	7	15
Henderson	64	70	3	0	25	38	36	32	3	0	42	62
Henry	24	19	0	0	12	8	12	11	0	0	17	10
Hickman	9	4	2	1	1	3	6	0	2	1	1	7
Hopkins	37	57	0	3	22	24	15	30	0	3	33	35
Jackson	14	20	2	0	5	9	7	11	2	0	11	14
Jefferson	1,035	956	17	22	428	375	590	559	19	26	647	607
Jessamine	62	75	2	1	24	27	36	47	3	2	37	40
Johnson	14	10	2	1	10	5	2	4	3	1	18	7
Kenton	260	280	3	2	84	84	173	194	3	2	122	127
Knott	22	23	0	0	17	8	5	15	0	0	20	11
Knox	25	29	2	1	10	20	13	8	2	1	18	31
Larue	12	17	1	1	2	10	9	6	1	1	8	12
Laurel	42	61	1	5	28	29	13	27	1	5	43	51
Lawrence	6	3	1	0	5	2	0	1	1	0	11	3
Lee	5	4	1	0	2	3	2	1	2	0	5	6
Leslie	18	15	1	1	15	10	2	4	1	2	26	13
Letcher	29	30	3	2	17	15	9	13	3	2	23	23
Lewis	20	24	2	0	9	12	9	12	2	0	14	19
Lincoln	31	34	0	1	15	18	16	15	0	1	29	23
Livingston	15	19	0	0	7	10	8	9	0	0	10	16
Logan	31	27	1	1	12	12	18	14	1	2	16	18
Lyon	15	11	0	1	4	4	11	6	0	1	5	13
McCracken	110	115	3	4	57	52	50	59	3	4	77	70
McCreary	14	20	0	2	10	10	4	8	0	2	16	15
McLean	7	10	1	0	4	3	2	7	1	0	8	6
Madison	132	124	1	5	47	32	84	87	1	7	67	58
Magoffin	12	12	0	0	6	8	6	4	0	0	13	11
Marion	38	41	3	2	17	19	18	20	4	2	27	31
Marshall	42	52	3	2	24	26	15	24	3	3	33	32
Martin	5	6	2	0	2	5	1	1	2	0	4	7

\* Fatal collision data has been adjusted to reflect follow-up studies of drivers with blood alcohol content (BAC) of .01 or higher (from FARS). This also affects the total of all collisions.

# COLLISIONS INVOLVING DRINKING DRIVERS BY COUNTY 2003 VS 2004

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL *		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED *		INJURED	
	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004
Mason	32	48	2	1	16	22	14	25	4	1	26	41
Meade	34	30	2	2	13	12	19	16	2	2	16	18
Menifee	7	10	0	0	4	5	3	5	0	0	6	5
Mercer	22	27	0	2	11	14	11	11	0	3	15	22
Metcalfe	11	3	0	0	8	2	3	1	0	0	17	2
Monroe	2	4	0	0	2	2	0	2	0	0	5	6
Montgomery	60	48	3	2	33	25	24	21	3	2	47	38
Morgan	14	20	0	0	7	17	7	3	0	0	12	18
Muhlenberg	28	30	0	1	12	14	16	15	0	1	18	22
Nelson	52	60	2	1	22	29	28	30	2	1	34	40
Nicholas	9	8	0	0	3	4	6	4	0	0	3	8
Ohio	39	28	1	2	29	18	9	8	1	2	39	37
Oldham	39	30	1	0	16	10	22	20	1	0	27	15
Owen	17	16	0	0	10	11	7	5	0	0	13	20
Owsley	9	9	0	0	7	7	2	2	0	0	11	9
Pendleton	16	22	0	1	5	11	11	10	0	1	6	16
Perry	37	37	4	1	18	18	15	18	4	1	35	33
Pike	89	92	2	6	54	42	33	44	3	7	83	73
Powell	10	26	1	0	5	8	4	18	1	0	12	16
Pulaski	57	68	2	2	29	23	26	43	2	2	40	35
Robertson	2	5	0	1	1	2	1	2	0	2	1	9
Rockcastle	10	21	2	2	4	8	4	11	3	2	5	14
Rowan	38	39	0	4	20	16	18	19	0	5	31	19
Russell	18	22	0	1	13	10	5	11	0	1	26	13
Scott	53	40	2	0	27	20	24	20	2	0	37	23
Shelby	62	49	3	3	28	10	31	36	4	3	44	22
Simpson	24	28	0	2	6	12	18	14	0	4	7	20
Spencer	19	18	0	3	13	9	6	6	0	3	15	18
Taylor	38	20	0	2	20	7	18	11	0	2	29	11
Todd	12	8	0	0	6	2	6	6	0	0	7	7
Trigg	13	6	0	0	6	4	7	2	0	0	8	5
Trimble	15	14	1	3	10	5	4	6	1	4	16	8
Union	18	17	0	0	9	9	9	8	0	0	10	21
Warren	172	171	4	5	60	56	108	110	4	6	90	71
Washington	19	17	2	0	6	6	11	11	3	0	10	8
Wayne	11	23	0	0	6	9	5	14	0	0	9	15
Webster	11	10	0	0	4	6	7	4	0	0	4	16
Whitley	36	31	1	1	22	14	13	16	1	1	38	21
Wolfe	17	16	2	1	10	10	5	5	2	1	16	17
Woodford	52	57	1	3	21	18	30	36	1	4	33	27
<b>TOTALS</b>	<b>5,573</b>	<b>5,629</b>	<b>160</b>	<b>170</b>	<b>2,383</b>	<b>2,257</b>	<b>3,030</b>	<b>3,202</b>	<b>178</b>	<b>199</b>	<b>3,585</b>	<b>3,476</b>

\* Fatal collision data has been adjusted to reflect follow-up studies of drivers with blood alcohol content (BAC) of .01 or higher (from FARS). This also affects the total of all collisions.

# DRIVERS UNDER INFLUENCE OF DRUGS BY COUNTY

The following chart shows the number of drivers suspected of being under the influence of drugs involved in collisions, along with the number of persons killed or injured in those collisions. A total of 1,151 collisions in which drivers were suspected of being under the influence of drugs based on preliminary investigation of the officer investigating the collision. Of this total, 145 were fatal collisions and 567 were injury collisions.

COUNTY	ALL COLLISIONS	FATAL* COLLISIONS	INJURY COLLISIONS	PERSONS* KILLED	PERSONS INJURED
ADAIR	7	1	3	1	3
ALLEN	4	0	2	0	2
ANDERSON	5	1	1	1	2
BALLARD	2	1	0	1	0
BARREN	9	2	4	2	7
BATH	4	0	2	0	4
BELL	24	2	10	2	13
BOONE	17	2	3	2	4
BOURBON	10	0	7	0	11
BOYD	21	1	12	1	24
BOYLE	5	2	1	2	3
BRACKEN	3	0	1	0	1
BREATHITT	12	4	5	4	6
BRECKENRIDGE	3	1	2	1	9
BULLITT	4	2	2	2	2
BUTLER	2	1	1	1	1
CALDWELL	8	2	3	3	3
CALLOWAY	4	1	2	1	6
CAMPBELL	17	2	5	2	10
CARLISLE	2	0	2	0	2
CARROLL	2	2	0	2	1
CARTER	11	1	5	1	7
CASEY	13	1	8	1	12
CHRISTIAN	11	1	6	1	13
CLARK	15	1	4	1	7
CLAY	23	1	15	1	29
CLINTON	1	0	0	0	0
CRITTENDEN	2	0	2	0	2
CUMBERLAND	1	0	0	0	0
DAVISS	22	3	6	3	22
EDMONSON	3	0	1	0	1
ELLIOTT	5	0	4	0	6
ESTILL	10	1	5	1	6
FAYETTE	52	7	18	7	26
FLEMING	7	1	4	1	6
FLOYD	33	6	18	7	25
FRANKLIN	13	1	6	1	9
FULTON	3	0	2	0	4
GALLATIN	2	0	1	0	2

COUNTY	ALL COLLISIONS	FATAL* COLLISIONS	INJURY COLLISIONS	PERSONS* KILLED	PERSONS INJURED
GARRARD	3	1	1	1	2
GRANT	5	1	1	2	1
GRAVES	11	2	6	2	10
GRAYSON	4	2	1	3	1
GREEN	1	0	0	0	0
GREENUP	11	3	7	3	11
HANCOCK	0	0	0	0	0
HARDIN	16	1	7	1	8
HARLAN	14	0	8	0	17
HARRISON	2	0	1	0	1
HART	7	2	2	3	3
HENDERSON	14	0	5	0	7
HENRY	4	2	0	2	0
HICKMAN	2	0	1	0	3
HOPKINS	11	2	5	2	13
JACKSON	5	0	2	0	5
JEFFERSON	78	8	27	9	45
JESSAMINE	8	1	2	2	2
JOHNSON	14	0	6	0	6
KENTON	42	0	12	0	14
KNOTT	17	1	12	2	16
KNOX	32	4	16	4	26
LARUE	1	0	1	0	3
LAUREL	39	7	25	7	49
LAWRENCE	9	1	6	1	14
LEE	2	0	1	0	2
LESLIE	15	0	9	0	13
LETCHER	13	1	4	1	8
LEWIS	3	0	2	0	2
LINCOLN	10	1	2	1	2
LIVINGSTON	1	0	1	0	5
LOGAN	9	1	6	1	6
LYON	2	0	1	0	3
McCRACKEN	16	2	6	2	10
McCREARY	8	3	2	3	10
McLEAN	3	1	1	1	1
MADISON	14	2	6	2	16
MAGOFFIN	22	1	17	1	26
MARION	2	0	1	0	1

\* Fatal collision data has been adjusted to reflect follow-up studies of drivers under the influence of drugs (from FARS). This also affects the total of all collisions.

## DRIVERS UNDER INFLUENCE OF DRUGS BY COUNTY

COUNTY	ALL COLLISIONS	FATAL* COLLISIONS	INJURY COLLISIONS	PERSONS* KILLED	PERSONS INJURED
MARSHALL	23	1	15	1	23
MARTIN	6	1	3	1	5
MASON	7	2	1	2	1
MEADE	2	2	0	2	0
MENIFEE	2	0	2	0	3
MERCER	2	0	0	0	0
METCALFE	2	1	1	1	1
MONROE	2	0	1	0	3
MONTGOMERY	13	1	5	1	13
MORGAN	2	0	1	0	1
MUHLENBERG	10	2	4	2	4
NELSON	3	1	2	1	3
NICHOLAS	1	0	0	0	0
OHIO	12	1	5	1	5
OLDHAM	5	0	1	0	1
OWEN	2	0	1	0	1
OWSLEY	3	1	1	1	1
PENDLETON	2	0	2	0	4
PERRY	23	0	13	0	23
PIKE	111	9	54	10	90
POWELL	10	1	3	2	4
PULASKI	22	5	5	8	8

COUNTY	ALL COLLISIONS	FATAL* COLLISIONS	INJURY COLLISIONS	PERSONS* KILLED	PERSONS INJURED
ROBERTSON	0	0	0	0	0
ROCKCASTLE	7	1	3	1	6
ROWAN	7	2	2	2	4
RUSSELL	6	0	2	0	2
SCOTT	5	0	4	0	6
SHELBY	6	1	4	1	6
SIMPSON	5	1	1	1	2
SPENCER	6	2	3	2	6
TAYLOR	3	0	1	0	1
TODD	2	0	0	0	0
TRIGG	2	0	2	0	2
TRIMBLE	2	0	1	0	3
UNION	2	1	1	1	1
WARREN	33	3	11	3	16
WASHINGTON	3	0	3	0	7
WAYNE	7	2	2	2	4
WEBSTER	3	0	1	0	5
WHITLEY	18	2	10	2	14
WOLFE	9	0	7	0	8
WOODFORD	9	1	3	1	5
<b>TOTALS</b>	<b>1,262</b>	<b>145</b>	<b>567</b>	<b>158</b>	<b>945</b>

\* Fatal collision data has been adjusted to reflect follow-up studies of drivers under the influence of drugs (from FARS). This also affects the total of all collisions.

## ALL COLLISIONS BY AREA DEVELOPMENT DISTRICT

AREA DEVELOPMENT DISTRICT	TOTAL NUMBER REPORTED	TOTAL COLLISIONS REPORTED		NUMBER PERSONS	
		FATAL	INJURY	KILLED	INJURED
Purchase	6,314	45	1,574	47	2,295
Pennyrile	5,896	53	1,516	56	2,214
Green River	7,072	36	1,637	39	2,471
Barren River	8,557	68	1,977	79	2,999
Lincoln Trail	6,888	65	1,573	70	2,343
KIPDA	32,485	108	6,574	125	9,672
Northern Kentucky	15,263	55	2,756	63	3,975
Buffalo Trace	1,472	16	400	18	642
Gateway	2,334	24	634	27	935
FIVCO	3,565	30	844	36	1,272
Big Sandy	3,928	57	1,423	66	2,275
Kentucky River	2,784	37	1,055	44	1,741
Cumberland Valley	6,092	81	1,751	91	2,829
Lake Cumberland	4,743	54	1,072	62	1,764
Bluegrass	26,325	125	5,147	141	7,559
<b>TOTALS</b>	<b>133,718</b>	<b>854</b>	<b>29,933</b>	<b>964</b>	<b>44,986</b>

## ALCOHOL RELATED COLLISIONS BY AREA DEVELOPMENT DISTRICT

AREA DEVELOPMENT DISTRICT	TOTAL NUMBER REPORTED	TOTAL COLLISIONS REPORTED		NUMBER PERSONS	
		FATAL*	INJURY	KILLED*	INJURED
Purchase	282	11	137	12	191
Pennyriple	263	7	107	7	171
Green River	279	3	129	3	233
Barren River	331	14	129	21	192
Lincoln Trail	293	11	119	11	159
KIPDA	1,148	34	453	39	736
Northern Kentucky	693	10	227	12	343
Buffalo Trace	108	3	51	4	94
Gateway	141	8	72	10	96
FIVCO	128	5	60	6	89
Big Sandy	172	9	90	11	141
Kentucky River	149	7	79	8	128
Cumberland Valley	239	12	115	14	182
Lake Cumberland	212	10	90	10	132
Bluegrass	1,191	26	399	31	589
<b>TOTALS</b>	<b>5,629</b>	<b>170</b>	<b>2,257</b>	<b>199</b>	<b>3,476</b>

\* Fatal collision data has been adjusted to reflect follow-up studies of drivers (FARS).  
This also affects the total of all collisions.

## DRUG RELATED COLLISIONS BY AREA DEVELOPMENT DISTRICT

AREA DEVELOPMENT DISTRICT	TOTAL NUMBER REPORTED	TOTAL COLLISIONS REPORTED		NUMBER PERSONS	
		FATAL*	INJURY	KILLED*	INJURED
Purchase	63	7	34	7	58
Pennyriple	49	7	24	8	45
Green River	56	6	19	6	41
Barren River	76	11	30	12	42
Lincoln Trail	34	7	17	8	32
KIPDA	105	15	38	16	63
Northern Kentucky	89	7	25	8	37
Buffalo Trace	20	3	8	3	10
Gateway	28	3	12	3	25
FIVCO	57	6	34	6	62
Big Sandy	186	17	98	19	152
Kentucky River	94	7	52	8	77
Cumberland Valley	162	17	89	17	159
Lake Cumberland	69	12	23	15	40
Bluegrass	174	20	64	22	102
<b>TOTALS</b>	<b>1,262</b>	<b>145</b>	<b>567</b>	<b>158</b>	<b>945</b>

\* Fatal collision data has been adjusted to reflect follow-up studies of drivers (FARS).  
This also affects the total of all collisions.

AREA DEVELOPMENT DISTRICT	COUNTIES IN DISTRICT
Purchase	Ballard, Calloway, Carlisle, Fulton, Graves, Hickman, McCracken, Marshall
Pennyriple	Caldwell, Christian, Crittenden, Hopkins, Livingston, Lyon, Muhlenberg, Todd, Trigg
Green River	Daviess, Hancock, Henderson, McLean, Ohio, Union, Webster
Barren River	Allen, Barren, Butler, Edmonson, Hart, Logan, Metcalfe, Monroe, Simpson, Warren
Lincoln Trail	Breckinridge, Grayson, Hardin, Larue, Marion, Meade, Nelson, Washington
KIPDA	Bullitt, Henry, Jefferson, Oldham, Shelby, Spencer, Trimble
Northern Kentucky	Boone, Campbell, Carroll, Gallatin, Grant, Kenton, Owen, Pendleton
Buffalo Trace	Bracken, Fleming, Lewis, Mason, Robertson
Gateway	Bath, Menifee, Montgomery, Morgan, Rowan
FIVCO	Boyd, Carter, Elliott, Greenup, Lawrence
Big Sandy	Floyd, Johnson, Magoffin, Martin, Pike
Kentucky River	Breathitt, Knott, Lee, Leslie, Letcher, Owsley, Perry, Wolfe
Cumberland Valley	Bell, Clay, Harlan, Jackson, Knox, Laurel, Rockcastle, Whitley
Lake Cumberland	Adair, Casey, Clinton, Cumberland, Green, McCreary, Pulaski, Russell, Taylor, Wayne
Bluegrass	Anderson, Bourbon, Boyle, Clark, Estill, Fayette, Franklin, Garrard, Harrison, Jessamine, Lincoln, Madison, Mercer, Nicholas, Powell, Scott, Woodford



# **PARKING LOTS/ PRIVATE PROPERTY**

# COLLISIONS BY COUNTY

## PARKING LOTS / PRIVATE PROPERTY

### 2003 VS 2004

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004
Adair	118	123	1	0	1	0	116	123	1	0	1	0
Allen	28	22	0	0	3	2	25	20	0	0	3	2
Anderson	125	110	0	0	2	5	123	105	0	0	2	5
Ballard	39	36	0	0	1	3	38	33	0	0	1	3
Barren	408	368	0	0	13	10	395	358	0	0	13	14
Bath	62	48	0	0	6	0	56	48	0	0	7	0
Bell	233	232	1	0	9	6	223	226	1	0	12	6
Boone	944	1,067	0	1	50	26	894	1,040	0	1	57	27
Bourbon	121	99	0	0	9	7	112	92	0	0	10	7
Boyd	664	573	0	0	37	18	627	555	0	0	48	22
Boyle	222	242	0	0	9	1	213	241	0	0	10	1
Bracken	21	10	0	0	0	0	21	10	0	0	0	0
Breathitt	92	104	0	1	4	10	88	93	0	1	5	15
Breckinridge	65	40	0	0	4	1	61	39	0	0	4	4
Bullitt	207	193	0	0	11	9	196	184	0	0	16	12
Butler	46	30	0	0	5	2	41	28	0	0	7	2
Caldwell	26	36	0	0	2	4	24	32	0	0	4	4
Calloway	394	340	0	0	7	5	387	335	0	0	9	5
Campbell	644	664	0	0	14	25	630	639	0	0	16	31
Carlisle	10	5	0	0	0	0	10	5	0	0	0	0
Carroll	84	85	0	0	4	2	80	83	0	0	4	4
Carter	120	95	0	0	6	4	114	91	0	0	9	6
Casey	54	36	0	0	3	3	51	33	0	0	3	4
Christian	215	234	0	0	17	14	198	220	0	0	19	15
Clark	318	308	0	0	15	10	303	298	0	0	22	13
Clay	87	89	0	1	8	8	79	80	0	1	10	13
Clinton	50	79	0	1	2	2	48	76	0	1	2	2
Crittenden	43	34	0	0	3	0	40	34	0	0	4	0
Cumberland	9	4	0	0	1	1	8	3	0	0	1	1
Daviess	957	860	1	0	34	29	922	831	2	0	39	40
Edmonson	26	27	0	0	2	1	24	26	0	0	2	1
Elliott	22	10	0	0	1	1	21	9	0	0	2	1
Estill	51	56	0	0	3	4	48	52	0	0	3	6
Fayette	3,312	2,993	0	0	125	105	3,187	2,888	0	0	146	120
Fleming	79	42	0	0	4	3	75	39	0	0	8	3
Floyd	194	242	1	0	14	9	179	233	1	0	19	10
Franklin	535	554	0	0	14	12	521	542	0	0	17	13
Fulton	42	55	0	0	2	1	40	54	0	0	2	1
Gallatin	28	20	0	0	3	0	25	20	0	0	3	0
Garrard	61	74	0	0	7	2	54	72	0	0	8	2

# COLLISIONS BY COUNTY

## PARKING LOTS / PRIVATE PROPERTY

### 2003 VS 2004

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004
Grant	169	162	0	1	3	5	166	156	0	2	4	7
Graves	196	75	0	0	11	3	185	72	0	0	18	4
Grayson	179	163	0	0	6	6	173	157	0	0	6	7
Green	45	43	0	0	2	1	43	42	0	0	2	1
Greenup	130	140	0	0	3	1	127	139	0	0	4	1
Hancock	30	25	0	0	1	0	29	25	0	0	1	0
Hardin	362	367	0	0	21	21	341	346	0	0	25	26
Harlan	144	123	0	0	8	8	136	115	0	0	11	8
Harrison	138	115	0	0	4	2	134	113	0	0	5	3
Hart	78	89	0	1	4	5	74	83	0	2	5	5
Henderson	484	464	0	0	17	27	467	437	0	0	20	31
Henry	33	42	0	0	2	1	31	41	0	0	2	1
Hickman	12	4	0	0	1	0	11	4	0	0	1	0
Hopkins	94	70	0	0	3	2	91	68	0	0	5	4
Jackson	46	19	0	0	1	1	45	18	0	0	1	1
Jefferson	1,752	1,800	1	1	191	182	1,560	1,617	1	1	235	224
Jessamine	362	363	0	0	19	13	343	350	0	0	22	15
Johnson	174	147	0	0	14	6	160	141	0	0	21	7
Kenton	910	976	0	0	30	37	880	939	0	0	35	40
Knott	74	52	1	0	7	3	66	49	1	0	13	3
Knox	155	194	0	0	8	9	147	185	0	0	10	14
Larue	51	48	0	0	2	1	49	47	0	0	2	1
Laurel	399	386	0	0	13	9	386	377	0	0	16	10
Lawrence	44	49	0	0	2	0	42	49	0	0	5	0
Lee	5	12	1	0	0	2	4	10	1	0	0	2
Leslie	58	33	0	0	4	0	54	33	0	0	8	0
Letcher	81	121	1	0	10	6	70	115	1	0	19	7
Lewis	55	56	0	0	3	4	52	52	0	0	3	7
Lincoln	89	81	0	0	4	3	85	78	0	0	9	5
Livingston	28	26	0	0	0	2	28	24	0	0	0	2
Logan	186	186	0	0	8	7	178	179	0	0	9	8
Lyon	51	45	0	0	2	1	49	44	0	0	2	1
McCracken	436	387	1	1	47	35	388	351	1	1	61	47
McCreary	62	43	0	0	4	2	58	41	0	0	6	3
McLean	26	38	0	0	4	2	22	36	0	0	4	3
Madison	874	869	0	0	23	24	851	845	0	0	31	26
Magoffin	30	35	0	0	2	2	28	33	0	0	2	4
Marion	122	131	0	0	2	6	120	125	0	0	2	9
Marshall	197	168	0	0	5	4	192	164	0	0	7	6
Martin	115	75	1	0	41	18	73	57	1	0	63	22

# COLLISIONS BY COUNTY

## PARKING LOTS / PRIVATE PROPERTY

### 2003 VS 2004

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004
Mason	223	228	0	0	2	7	221	221	0	0	2	8
Meade	38	53	0	0	3	6	35	47	0	0	6	9
Menifee	21	22	0	0	0	0	21	22	0	0	0	0
Mercer	108	121	0	0	8	3	100	118	0	0	10	5
Metcalfe	41	31	0	1	0	0	41	30	0	1	0	0
Monroe	8	7	0	0	0	0	8	7	0	0	0	0
Montgomery	238	246	0	0	15	5	223	241	0	0	21	5
Morgan	75	64	0	0	5	1	70	63	0	0	7	1
Muhlenberg	182	205	0	1	13	6	169	198	0	1	16	8
Nelson	127	95	0	0	12	4	115	91	0	0	23	8
Nicholas	38	18	0	0	1	0	37	18	0	0	1	0
Ohio	133	105	0	0	8	5	125	100	0	0	11	6
Oldham	98	94	0	0	8	8	90	86	0	0	9	8
Owen	31	27	0	1	5	3	26	23	0	1	7	3
Owsley	20	29	0	0	2	2	18	27	0	0	2	2
Pendleton	62	57	0	0	2	2	60	55	0	0	2	2
Perry	247	200	2	0	15	7	230	193	2	0	24	14
Pike	388	450	1	0	35	22	352	428	1	0	47	28
Powell	22	18	0	0	2	0	20	18	0	0	2	0
Pulaski	486	591	0	0	12	9	474	582	0	0	14	11
Robertson	1	0	0	0	0	0	1	0	0	0	0	0
Rockcastle	77	84	0	0	0	4	77	80	0	0	0	4
Rowan	262	251	0	0	5	7	257	244	0	0	5	8
Russell	37	55	0	0	2	4	35	51	0	0	2	4
Scott	128	119	0	0	10	9	118	110	0	0	11	11
Shelby	232	211	1	0	19	9	212	202	1	0	33	9
Simpson	94	129	0	0	2	5	92	124	0	0	2	6
Spencer	31	24	1	0	0	1	30	23	2	0	2	1
Taylor	236	262	0	0	5	4	231	258	0	0	5	5
Todd	42	24	0	0	0	1	42	23	0	0	0	2
Trigg	78	59	0	0	3	1	75	58	0	0	3	1
Trimble	20	18	0	0	3	0	17	18	0	0	5	0
Union	38	26	0	0	6	4	32	22	0	0	8	4
Warren	583	564	0	1	47	43	536	520	0	1	63	51
Washington	17	14	0	0	3	0	14	14	0	0	7	0
Wayne	108	112	0	0	5	8	103	104	0	0	6	8
Webster	34	35	0	0	3	0	31	35	0	0	3	0
Whitley	222	207	0	0	9	6	213	201	0	0	15	6
Wolfe	31	40	0	0	1	1	30	39	0	0	1	1
Woodford	158	158	0	0	5	6	153	152	0	0	5	7
<b>TOTALS</b>	<b>24,247</b>	<b>23,514</b>	<b>15</b>	<b>12</b>	<b>1,263</b>	<b>1,009</b>	<b>22,969</b>	<b>22,493</b>	<b>17</b>	<b>14</b>	<b>1,623</b>	<b>1,226</b>

# TYPES OF COLLISIONS

## PARKING LOTS / PRIVATE PROPERTY

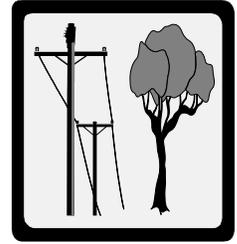


### PARKING LOTS:

Total Collisions: 22,526  
 % of Total Collisions: 95.8%  
 Persons Killed: 0  
 % of Total Fatalities: 0.00%  
 No. of Fatal Collisions: 0  
 % of All Fatal Collisions: 0.00%

### COLLISION WITH FIXED OBJECT:

Total Collisions: 297  
 % of Total Collisions: 1.26%  
 Persons Killed: 3  
 % of Total Fatalities: 21.43%  
 No. of Fatal Collisions: 3  
 % of All Fatal Collisions: 25.00%



### COLLISION WITH PEDESTRIAN:

Total Collisions: 19  
 % of Total Collisions: 0.08%  
 Persons Killed: 4  
 % of Total Fatalities: 28.57%  
 No. of Fatal Collisions: 4  
 % of All Fatal Collisions: 33.33%

### COLLISION WITH MOVING MOTOR VEHICLE:

Total Collisions: 375  
 % of Total Collisions: 1.59%  
 Persons Killed: 0  
 % of Total Fatalities: 0.00%  
 No. of Fatal Collisions: 0  
 % of All Fatal Collisions: 0.00%

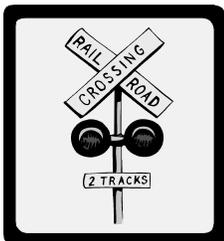
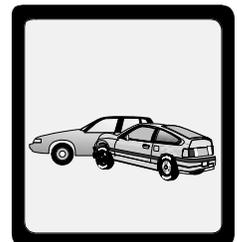


### COLLISION WITH PEDALCYCLIST:

Total Collisions: 6  
 % of Total Collisions: 0.03%  
 Persons Killed: 0  
 % of Total Fatalities: 0.00%  
 No. of Fatal Collisions: 0  
 % of All Fatal Collisions: 0.00%

### PARKED VEHICLE COLLISIONS:

Total Collisions: 215  
 % of Total Collisions: 0.91%  
 Persons Killed: 0  
 % of Total Fatalities: 0.00%  
 No. of Fatal Collisions: 0  
 % of All Fatal Collisions: 0.00%

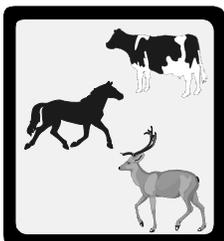
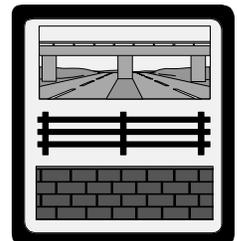


### COLLISION WITH RAILWAY TRAIN:

Total Collisions: 12  
 % of Total Collisions: 0.05%  
 Persons Killed: 2  
 % of Total Fatalities: 14.28%  
 No. of Fatal Collisions: 1  
 % of All Fatal Collisions: 8.33%

### COLLISION WITH OTHER OBJECT:

Total Collisions: 21  
 % of Total Collisions: 0.09%  
 Persons Killed: 0  
 % of Total Fatalities: 0.00%  
 No. of Fatal Collisions: 0  
 % of All Fatal Collisions: 0.00%



### COLLISION WITH ANIMAL (INCLUDING DEER):

Total Collisions: 14  
 % of Total Collisions: 6.01%  
 Persons Killed: 0  
 % of Total Fatalities: 0.00%  
 No. of Fatal Collisions: 0  
 % of All Fatal Collisions: 0.00%

### NON-COLLISION (INCLUDING OVERTURNED):

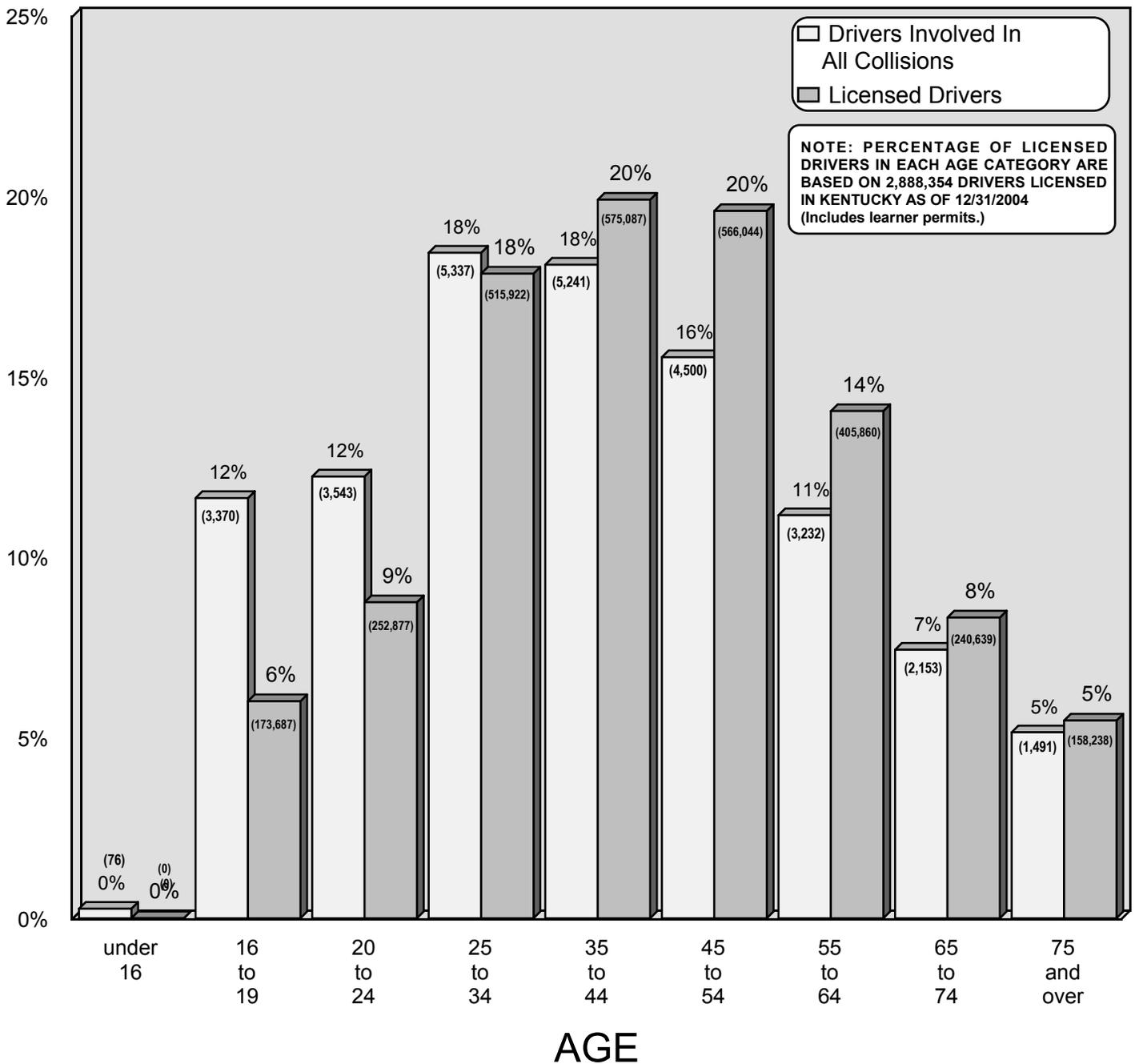
Total Collisions: 26  
 % of Total Collisions: 0.11%  
 Persons Killed: 5  
 % of Total Fatalities: 35.71%  
 No. of Fatal Collisions: 4  
 % of All Fatal Collisions: 33.33%



# AGE OF DRIVER (ALL COLLISIONS)

## PARKING LOTS / PRIVATE PROPERTY

The chart below groups the ages of 28,943 drivers involved in traffic collisions during 2004 in Kentucky (for which age information was available). For each age category, the following information is shown: the percentage of drivers involved in all collisions, the percentage of drivers involved in these collisions is shown in parentheses, the percentage of all licensed drivers, and the number of licensed drivers is shown in parentheses (includes learner permits). This allows a comparison to be made between the percentage of a given age category of the driving population and the corresponding percentage this age category is involved in collisions. The percentage of drivers involved in all collisions was higher than the percentage of licensed drivers for the age categories under age 35, especially for the 16 to 19 years of age category. This data does not differentiate drivers "at-fault" versus drivers "not-at-fault." There were 590 driver's ages which could not be determined. These drivers represent 2.0% of all drivers involved in collisions. The percentages given below do not consider the "Unknown" category.



# CONTRIBUTING FACTORS

## PARKING LOTS / PRIVATE PROPERTY

A variety of factors and conditions can contribute to a collision. Police officers may indicate up to three driver factors for each driver, two vehicular factors for each vehicle, and up to two environmental factors for each collision. This table gives the number of collisions in which a given factor was listed at least once. Accumulations were made only once for each factor indicated in a collision, even if the factor was listed for more than one driver or vehicle. Therefore, the percentages give the percent of collisions in which a given factor is listed.

HUMAN FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Inattention	12,499	51.55	5	33.33
Misjudge Clearance	3,276	13.51	0	0.00
Not Under Proper Control	1,204	4.97	3	20.00
Improper Backing	1,161	4.79	0	0.00
Failed to Yield Right of Way	918	3.79	1	6.67
Alcohol Involvement	599	2.47	3	20.00
Distraction	482	1.99	1	6.67
Too Fast for Conditions	248	1.02	0	0.00
Following Too Close	186	0.77	0	0.00
Turning Improperly	142	0.59	0	0.00
Drug Involvement	117	0.48	0	0.00
Emotional	106	0.44	0	0.00
Disregard Traffic Control	99	0.41	0	0.00
Overcorrecting/Oversteering	89	0.37	1	6.67
Exceeded Stated Speed Limit	82	0.34	0	0.00
Cell Phone	68	0.28	0	0.00
Lost Consciousness/Fainted	57	0.24	0	0.00
Improper Passing	48	0.20	0	0.00
Physical Disability	36	0.15	0	0.00
Medication	26	0.11	0	0.00
Sick	25	0.10	0	0.00
Fell Asleep	21	0.09	0	0.00
Weaving in Traffic	19	0.08	0	0.00
Fatigue	16	0.07	0	0.00

# CONTRIBUTING FACTORS

## PARKING LOTS / PRIVATE PROPERTY

(cont'd.)

A variety of factors and conditions can contribute to a collision. Police officers may indicate up to three driver factors for each driver, two vehicular factors for each vehicle, and up to two environmental factors for each collision. This table gives the number of collisions in which a given factor was listed at least once. Accumulations were made only once for each factor indicated in a collision, even if the factor was listed for more than one driver or vehicle. Therefore, the percentages give the percent of collisions in which a given factor is listed.

VEHICULAR FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Brakes Defective	234	0.97	0	0.00
Steering Failure	24	0.10	0	0.00
Tire Failure	16	0.07	0	0.00
Load Securement	11	0.05	0	0.00
Oversized Load on Vehicle	9	0.04	0	0.00
Tow Hitch Defective / Separation of Units	8	0.03	0	0.00
Headlights Defective	4	0.02	0	0.00
Other Lighting Defective	2	0.01	0	0.00
Overweight	0	0.00	0	0.00

ENVIRONMENTAL FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Slippery Surface	766	3.16	0	0.00
View Obstructed	617	2.54	0	0.00
Improperly Parked Vehicle	204	0.84	0	0.00
Water Pooling	51	0.21	1	6.67
Animal Action	40	0.16	0	0.00
Fixed Object(s)	25	0.10	0	0.00
Hole/Deep Ruts/Bumps	20	0.08	1	6.67
Roadway Construction	18	0.07	0	0.00
Glare	15	0.06	0	0.00
Debris In Roadway	13	0.05	1	6.67
Shoulder Defective	8	0.03	0	0.00
Maintenance / Utility	4	0.02	0	0.00
Traffic Controls Not Working	2	0.01	0	0.00



# **FATALITY ANALYSIS REPORTING SYSTEM**



## FATALITY ANALYSIS REPORTING SYSTEM

The *Fatality Analysis Reporting System (FARS)* is a computerized file containing data on all fatal motor vehicle traffic collisions 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 collision 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 collision date. *FARS* does not include fatalities occurring in parking lots or on private property. *FARS* differs from Kentucky data in that it collects data not only from the collision reports submitted from across the state, but contacts many other sources to obtain additional data pertinent to the collision, 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. **THE FARS DATA CANNOT BE COMPARED DIRECTLY WITH THE PREVIOUSLY LISTED STATISTICS BECAUSE OF A DIFFERENCE IN THE REPORTING CRITERIA.**

### DRIVERS INVOLVED IN FATAL COLLISIONS - AGE AND ALCOHOL INVOLVEMENT

The chart below depicts the ages of all drivers in fatal collisions in 2004 vs. alcohol involved drivers in fatal collisions during the same time period and the percentages of involvement for various ages and age groups. The alcohol involved teenage driver (ages 13 through 19) represents 6% of the total number of drinking drivers involved in fatal collisions.

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

\*Alcohol involved drivers refers to a driver suspected by the police to be drinking and who tested positive for alcohol in a subsequent test (.01 or higher).

AGE	Number of Drivers Involved	Alcohol Involved Drivers*	% Alcohol Involved
Under 16	10	0	0
16	15	0	0
17	36	3	8
18	40	2	5
19	48	5	10
20	32	3	9
21	47	6	12
22-24	97	12	12
25-34	293	58	19
35-44	261	49	18
45-54	204	24	11
55-64	100	11	11
65-74	65	1	1
Over 74	59	1	1
Unknown	6	0	0
TOTALS	1,313	175	13

# ALCOHOL INVOLVEMENT BY AGE AND TEST RESULTS FOR DRIVERS INVOLVED IN FATAL COLLISIONS

**DURING 2004, THERE WERE 199 PERSONS KILLED IN FATAL COLLISIONS INVOLVING A DRINKING DRIVER. THIS REPRESENTS 20% OF ALL PERSONS KILLED IN TRAFFIC COLLISIONS IN KENTUCKY DURING 2004.**

The chart below shows drinking drivers by age and alcohol test result. Eighty-one (81) percent of the drinking drivers tested were found to have a blood alcohol content (BAC) of 0.10% or above at the time of the collision.

AGE	NUMBER OF DRINKING DRIVERS*	BAC TEST RESULTS			
		.01-.05	.06-.09	.10-.19	.20+
Under 16	0	0	0	0	0
16	0	0	0	0	0
17	3	0	1	2	0
18	2	0	0	2	0
19	5	1	0	2	2
20	3	0	1	1	1
21	6	0	0	2	4
22-24	12	0	1	7	4
25-34	58	4	12	20	22
35-44	50	1	5	27	17
45-54	24	3	4	8	9
55-64	11	1	0	4	6
65-74	1	0	0	0	1
75+	1	0	0	1	0
Unknown	0	0	0	0	0
<b>TOTAL</b>	<b>176</b>	<b>10</b>	<b>24</b>	<b>76</b>	<b>66</b>

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

## FATALLY INJURED PEDESTRIANS

**DURING 2004, NINETEEN (19) PERCENT OF THE FATALLY INJURED PEDESTRIANS OVER THE AGE OF 15 WERE DRINKING. THEIR AVERAGE ALCOHOL TEST WAS 0.09%**

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

FARS total number of pedestrians differs from the number reported through the Kentucky Collision Reporting System because FARS does not include pedestrians killed in parking lots.

AGE	TOTAL	NUMBER DRINKING	AVERAGE TEST RESULTS
0-5	1	0	.0
6-10	1	0	.0
11-15	3	0	.0
16-20	5	0	.0
21-25	6	1	.02
26-30	4	2	.14
31-40	5	1	.21
41-50	6	1	.13
51-60	5	1	.04
61-70	6	2	.12
71-80	3	0	.0
81+	3	0	.0
UNKNOWN	0	0	.0
<b>TOTAL</b>	<b>48</b>	<b>8</b>	<b>.09</b>

# SAFETY RESTRAINTS AND EJECTION IN FATAL COLLISIONS

The chart below plots overall results in fatal collisions when motorcycle helmets and other restraints (safety belts, harnesses, child restraints, etc.) are used. A comparison of "used" versus "not used" for 2004 FARS data strongly confirms both the lifesaving advantage as well as the reduction of serious injury when restraints are in place. SIXTY-SEVEN (67) PERCENT OF THE VEHICLE OCCUPANTS KILLED DURING 2004 WERE NOT RESTRAINED. FIFTY-TWO (52) PERCENT OF THE VEHICLE OCCUPANTS SUFFERING INCAPACITATING INJURY WERE NOT RESTRAINED. FORTY (40) PERCENT OF THE OCCUPANTS SUFFERING NON-INCAPACITATING INJURY WERE NOT RESTRAINED. NON-MOTORISTS ARE NOT INCLUDED IN THE CHARTS BELOW.

Result	MOTORCYCLE HELMET			RESTRAINT			TOTAL
	Used	Not Used	Unknown	Used	Not Used	Unknown	
Fatal Injury	25	39	0	277	565	1	907
Incapacitating Injury	1	4	0	138	154	4	301
Non-Incapacitating Injury	0	0	0	187	125	0	312
Possible Injury	0	0	0	90	38	6	134
No Injury	0	0	0	310	52	3	365
Unknown If Injured	0	0	0	0	0	0	0
Injured, Severity Unknown	0	0	0	0	0	5	5
<b>TOTAL</b>	<b>26</b>	<b>43</b>	<b>0</b>	<b>1,002</b>	<b>934</b>	<b>19</b>	<b>2,024</b>

## EJECTION

Result	Total Ejection	Partial Ejection	No Ejection	Unknown	TOTAL
Fatal Injury	173	74	661	0	908
Incapacitating Injury	36	3	262	0	301
Non-Incapacitating Injury	14	4	295	0	313
Possible Injury	7	0	127	0	134
No Injury	0	0	365	0	365
Unknown If Injured	0	0	0	0	0
Injured, Severity Unknown	0	0	4	1	5
<b>TOTAL</b>	<b>230</b>	<b>81</b>	<b>1,714</b>	<b>1</b>	<b>2,026</b>

The above chart shows overall injuries in fatal collisions according to whether the vehicle occupant was ejected from the vehicle, partially ejected, or not ejected. SEVENTY-NINE (79) PERCENT OF VEHICLE OCCUPANTS WHO WERE EITHER TOTALLY OR PARTIALLY EJECTED WERE KILLED. This data also reaffirms the lifesaving advantage of using an active restraint, since the possibility of being ejected upon impact is significantly reduced.

\*Motorcycles are excluded for ejections (not applicable under FARS guidelines).

# CHILD RESTRAINTS IN FATAL COLLISIONS

Kentucky's "child restraint law" (KRS 189.125) became effective July 15, 1982, and Subsection (3) requires that "Any driver of a motor vehicle, when transporting a child of forty (40) inches in height or less in a motor vehicle operated on the roadways, streets, and highways of this state, shall have the 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 collision into a fixed barrier.)

The data on child restraints 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.

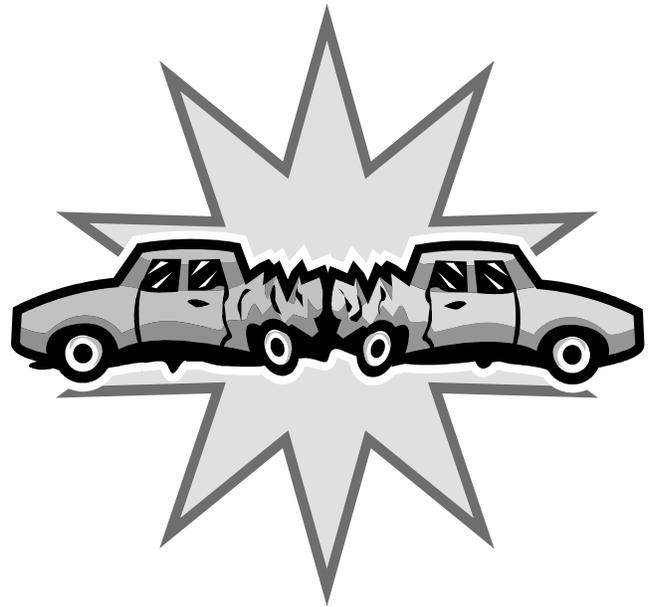
<b>RESULT</b>	<b>Age 4 &amp; Under Total</b>	<b>Child Restraint Used</b>	<b>Lap Belt &amp;/or Harness Used</b>	<b>None Used</b>	<b>Unknown</b>
<b>Killed</b>	<b>9</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>0</b>
<b>Injured (Incapacitating)</b>	<b>7</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>0</b>
<b>Injured (Non-Incapacitating)</b>	<b>17</b>	<b>13</b>	<b>3</b>	<b>1</b>	<b>0</b>
<b>Injured (Possible)</b>	<b>16</b>	<b>12</b>	<b>2</b>	<b>1</b>	<b>1</b>
<b>Not Injured</b>	<b>6</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>0</b>
<b>TOTAL</b>	<b>55</b>	<b>36</b>	<b>7</b>	<b>11</b>	<b>1</b>

Of the fifty-five (55) child occupants (four years and under) involved in fatal collisions in 2004, thirty-six (36) children were secured in a child restraint. Of the nine (9) children killed, four (4) had no restraint, one (1) was using a lap belt or shoulder harness, and four (4) were using child safety seats.



# \$2.2 - \$6.0 BILLION

## COST of KENTUCKY TRAFFIC COLLISIONS 2004



The calculable costs (economic costs) of motor vehicle collisions on public roads include wage loss, medical expense, administration costs, property damage, and employer costs. Comprehensive costs include not only the economic cost components but also a measure of the value of lost quality of life associated with deaths and injuries. Estimated costs provided by the National Safety Council, considering both economic and comprehensive costs, were used to arrive at a cost range for traffic collisions in Kentucky during 2003 (occurring on public roads). Costs for 2003 were used since 2004 data was not available

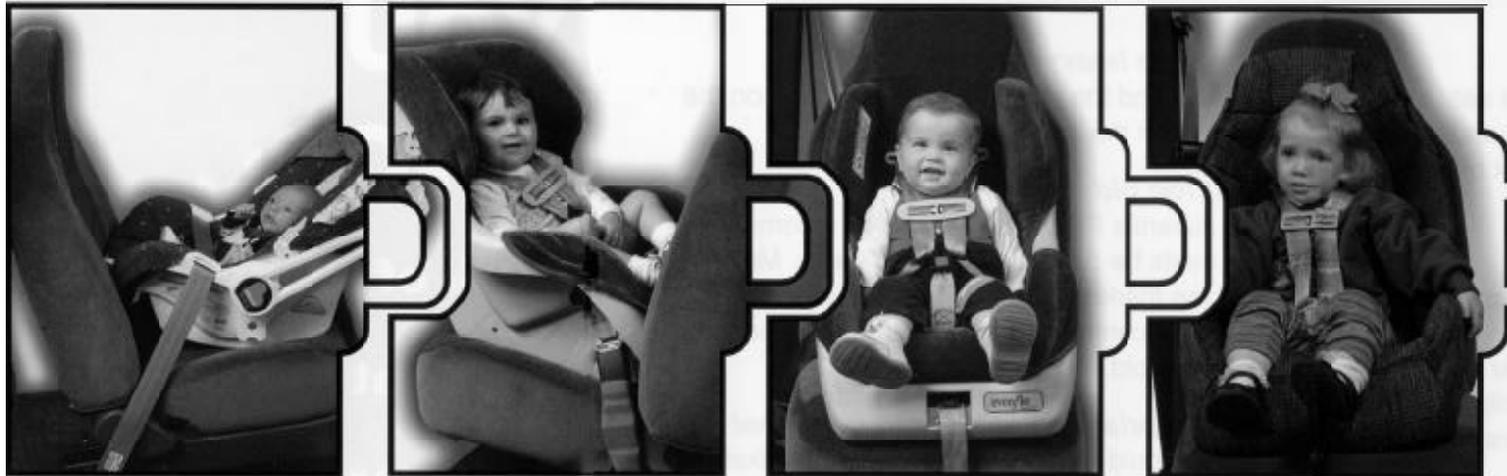
The **economic cost** (\$2.1 billion) was derived from the following formula:

Cost per	X	Number Reported	=	Estimated Cost
<b>Fatalities</b> @ \$1,120,000	X	964	=	\$1,079,680,000
<b>Incapacitating Injuries</b> @ \$55,500	X	5,877	=	\$326,173,560
<b>Non-Incapacitating Injuries</b> @ \$18,200	X	17,477	=	\$318,081,400
<b>Possible Injuries</b> @ \$10,300	X	21,632	=	\$222,809,600
<b>Property Damage Only</b> @ \$2,000	X	102,931	=	\$206,862,000
<b>TOTAL ECONOMIC COST ESTIMATE:</b>				<b>\$2,152,606,500</b>

The **comprehensive cost** (\$6.0 billion) was derived from the following formula:

Cost per	X	Number Reported	=	Estimated Cost
<b>Fatalities</b> @ \$3,610,000	X	964	=	\$3,480,040,000
<b>Incapacitating Injuries</b> @ \$181,000	X	5,877	=	\$1,063,737,000
<b>Non-Incapacitating Injuries</b> @ \$46,200	X	17,477	=	\$807,437,400
<b>Possible Injuries</b> @ \$22,000	X	21,632	=	\$475,904,000
<b>Property Damage Only</b> @ \$2,000	X	102,931	=	\$205,862,000
<b>TOTAL COMPREHENSIVE COST ESTIMATE:</b>				<b>\$6,032,980,400</b>

# INSTALLING YOUR



## Infant Seat/ Rear-Facing Convertible

These can be used for babies from birth to 20-22 pounds and less than 26 inches (check your car seat rating).

- NEVER place a rear-facing car seat in front of an air bag.
- Seat must face the rear of the vehicle.
- Harness straps should come through the slots in the back of the seat just below the level of your baby's shoulders.
- The seat should be reclined no more than 45-degrees angle. A rolled up towel may be used to help adjust the seat to the proper angle.
- Make sure the carrying handle is locked in the down position while in the car.
- Always keep harness straps snug so no more than one finger fits under it at the child's shoulder and fasten harness clip at armpit level.

## Infant Seat/ Rear-Facing Convertible

These should be used for babies rear-facing who are 20 or more pounds AND one year of age and under.

- If your child reaches 20 pounds before turning one year old, you must make sure the car seat is rated up to 30-35 pounds when rear-facing.
- Do NOT place your child in a forward facing seat until at least 20 pounds and one year of age. A child younger than one does not have neck muscles strong enough to withstand a crash in a forward-facing seat.
- Keep harness straps snug and below shoulder level.

Check the label on your car seat to see its weight rating for your child now and for later growth.

## Convertible

These seats can be adjusted for use by infants or toddlers. See previous for children under one year and 20 pounds.

- Use this seat forward-facing and upright for toddlers over age one and from 20-40 pounds.
- Harness straps should be snug and come through the uppermost slots in the back of the seat.
- Adjust car seat to upright position.

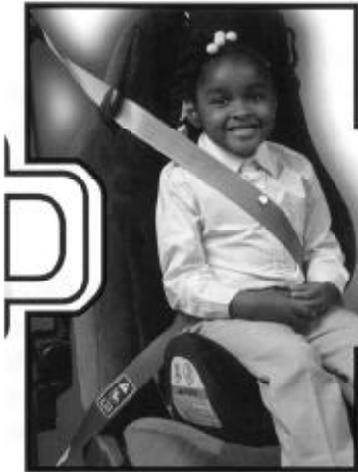
## Toddler Car Seat/ Belt-Positioning Booster Seat

These seats are forward-facing only and are for children over one year and 20 pounds. They can be used up to 80 pounds.

### Up to 40 pounds:

- Use the harness until your child is 40 pounds.
- Harness straps should be snug and come through the back of the seat above the shoulder.
- Booster seats with shields are never recommended. Remove the shield and follow the manufacturer's directions.

# SAFETY SEAT



**Toddler Car Seat/  
Belt-Positioning  
Booster Seat**

**Over 40 pounds:**

One of the most common mistakes made is to place a child in a vehicle seat belt too early. Your child needs a booster seat if:

- The shoulder belt crosses your child's face or neck.
- If the lap belt rides up on your child's stomach (this can cause serious stomach and spinal injuries in the event of a crash).
- If your child's legs do not bend over the seat naturally at the knee. (If your child's legs are not long enough for him or her to sit naturally, he or she may slouch down to be more comfortable. This can cause the lap belt to ride up on the stomach.) Booster seats raise your child to a safe level so the lap and shoulder belt fits correctly.

**Using a booster seat:**

- Harness should be removed and the seat should be used as a belt-positioning booster with the lap/shoulder belt.
- Booster seats with shields are never recommended. Remove the shield and follow the manufacturer's directions.



**Lap Belt**

- If your car only has a lap belt in the back seat, you will need an 86-Y harness available by calling E-Z On Products Inc., (800) 323-6598 or visit [www.ezonpro.com](http://www.ezonpro.com) on the internet.



**Seat Belt**

For older children who are at least 4 feet, 6 inches tall and 80 pounds.

- Lap portion of the belt must go over the thighs.
- Shoulder portion of the belt must go over the shoulder, never the face or neck.
- Shoulder and lap belt adjusters are never recommended.



**Locking Clips**

Note: Check your vehicle Owner's Manual to determine how your seat belt works with your car seat.

**KENTUCKY STATE POLICE  
RECORDS BRANCH  
1250 Louisville Road  
Frankfort, Kentucky 40601**

**TO:**

---

---

**Please  
Place  
Stamp**

**Kentucky State Police  
Records Branch / Statistics Section  
1250 Louisville Road  
Frankfort, Kentucky 40601**

## **IMPORTANT NOTICE**

**Here is your copy of the 2004 TRAFFIC COLLISION FACTS report you requested. If you want to receive the 2005 report, please print or type your name and address below and return this form.**

**This card must be returned to ensure receipt of the 2005 publication. Existing mailing lists are being revised to include only those individuals who respond to this notice.**



name \_\_\_\_\_

company \_\_\_\_\_

address \_\_\_\_\_

city, state, zip \_\_\_\_\_

