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# ***TRAFFIC COLLISION FACTS***



**2010  
REPORT**



**COMMONWEALTH OF KENTUCKY  
OFFICE OF THE GOVERNOR**

**STEVEN L. BESHEAR  
GOVERNOR**

**700 CAPITOL AVENUE  
SUITE 100  
FRANKFORT, KY 40601  
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My Fellow Kentuckians:

This 2010 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 the number of individuals killed and injured in traffic collisions throughout our state. This year, the number of fatalities for 2010 decreased by 3.9 percent, with 31 less fatalities than during 2009. The 760 people who lost their lives in fatal collisions in Kentucky represent far too great a 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 black ink that reads "Steven L. Beshear".

Steven L. Beshear



**KENTUCKY STATE POLICE**

919 VERSAILLES ROAD

FRANKFORT, KENTUCKY 40601

[WWW.KENTUCKYSTATEPOLICE.ORG](http://WWW.KENTUCKYSTATEPOLICE.ORG)

**STEVEN L. BESHEAR**  
GOVERNOR

**J. MICHAEL BROWN**  
SECRETARY

The Honorable Steven Beshear  
Governor of Kentucky  
The Capitol  
Frankfort, Kentucky 40601

**RODNEY BREWER**  
COMMISSIONER

Dear Governor Beshear:

Kentucky Revised Statutes, Chapter 189.635 mandates that 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 2010 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 seventeen 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,

Rodney Brewer  
Commissioner



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

**This 2010 Collision Facts Report**

**would like to**

**remember**

**the**

**SEVEN HUNDRED SIXTY**

**who were victims of fatal traffic collisions**

**on public roads**

**during 2010.**

# **KENTUCKY**

## **TRAFFIC COLLISION FACTS**

### **2010**

Prepared by:

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College of Engineering  
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Lexington, Kentucky 40506-0281**

In Cooperation with:

**Kentucky State Police  
Commonwealth of Kentucky**

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# INTRODUCTION

KENTUCKY'S TRAFFIC COLLISION FACTS report for 2010 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 2010 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**

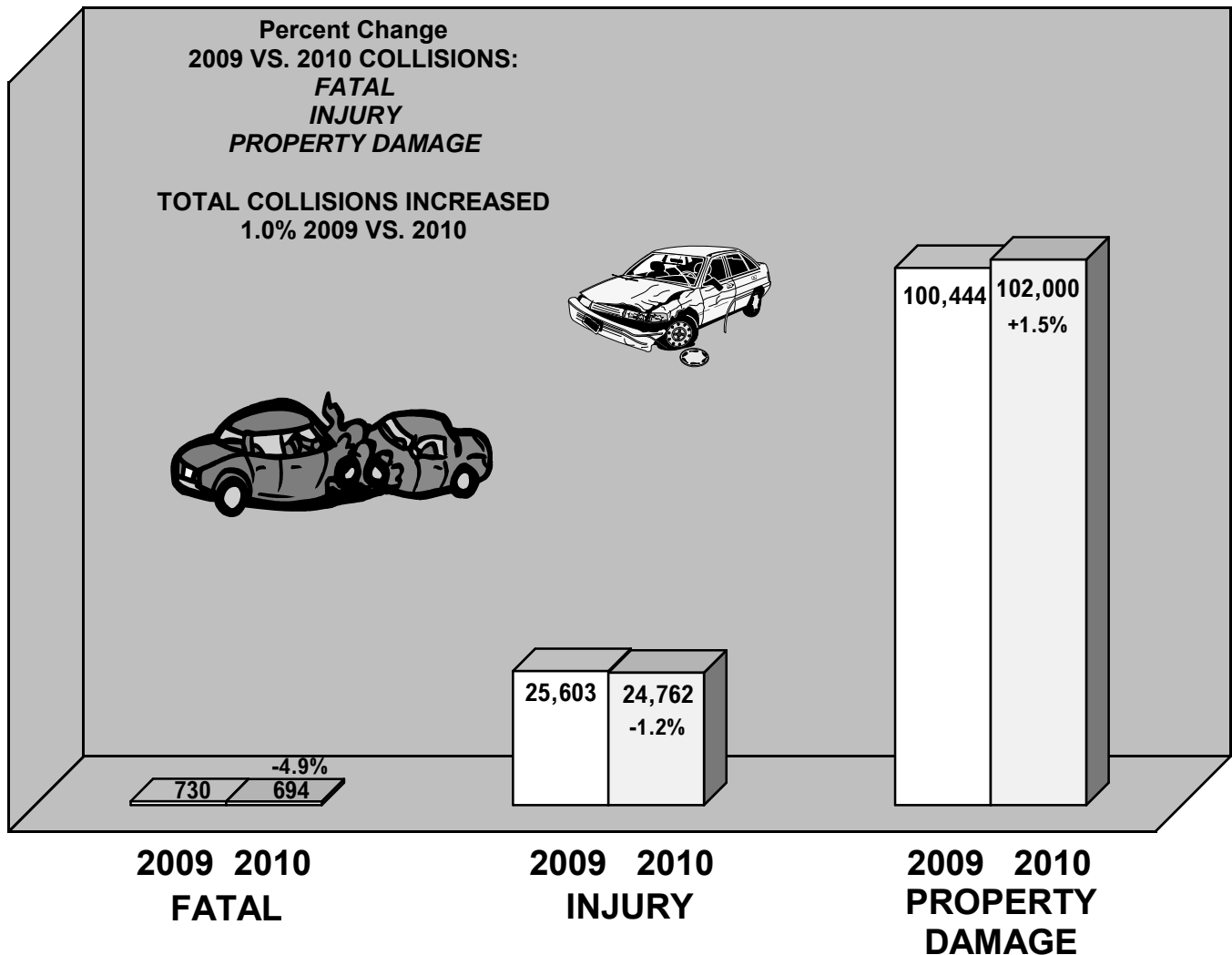
# 2010 COLLISION SUMMARY

TYPE COLLISION REPORTED	2009	2010	PERCENT CHANGE
FATAL (Public Roads)	730	694	-4.9
NONFATAL INJURY (Public Roads)	25,063	24,762	-1.2
PROPERTY DAMAGE ONLY (Public Roads)	100,444	102,000	+1.5
TOTAL NUMBER REPORTED (Public Roads)	126,237	127,456	+1.0
PARKING LOTS / PRIVATE PROPERTY	21,523	23,061	+7.1
TOTAL ALL REPORTED	147,760	150,517	+1.9
FATAL (Total)	741*	703**	-5.1

\* Includes 11 fatal collisions on parking lots / private property

\*\* Includes 9 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

	2009	2010	% CHANGE
<b>PERSONS KILLED - Public Roads</b>	791	760	-3.9
<b>PERSONS KILLED - Parking Lots / Private Property</b>	12	9	-25.0
<b>PERSONS KILLED (Total)</b>	803	769	-4.2
<b>PERSONS INJURED - Public Roads</b>	37,398	37,196	-0.5
<b>PERSONS INJURED - Parking Lots / Private Property</b>	928	919	-1.0
<b>PERSONS INJURED (Total)</b>	38,326	38,115	-0.6

**FACTS:** APPROXIMATELY ONE OF EVERY 6,300 KENTUCKY RESIDENTS DIED AS A RESULT OF A FATAL TRAFFIC COLLISION ON A PUBLIC ROAD DURING 2010 IN KENTUCKY. ABOUT ONE IN 129 KENTUCKY RESIDENTS WAS INJURED IN A TRAFFIC COLLISION IN KENTUCKY.\*

APPROXIMATELY ONE OF EVERY 16 DRIVERS LICENSED IN KENTUCKY WAS INVOLVED IN A TRAFFIC COLLISION IN KENTUCKY. ABOUT ONE OF 3,300 KENTUCKY DRIVERS WAS INVOLVED IN A FATAL COLLISION.\*\*

\* Based on 4,339,367 population estimate for Kentucky in 2010.

\*\* Based on 3,103,445 licensed drivers in Kentucky in 2010 (including learner permits).

A total of 760 persons were killed on public roads during 2010. The total number of traffic fatalities decreased 3.9%, with 31 less fatalities than during 2009.

37,196 persons were injured on public roads during 2010, a decrease of 0.5% from 2009, or 202 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 medical facility.

TYPE INJURY	NUMBER	%
<b>INCAPACITATING INJURY</b>		
Public Roads	4,057	11
Parking Lots / Private Property	103	11
<b>NON-INCAPACITATING INJURY</b>		
Public Roads	12,689	34
Parking Lots / Private Property	299	33
<b>POSSIBLE INJURY</b>		
Public Roads	20,450	55
Parking Lots / Private Property	517	56
<b>TOTAL</b>		
Public Roads	37,196	
Parking Lots / Private Property	919	

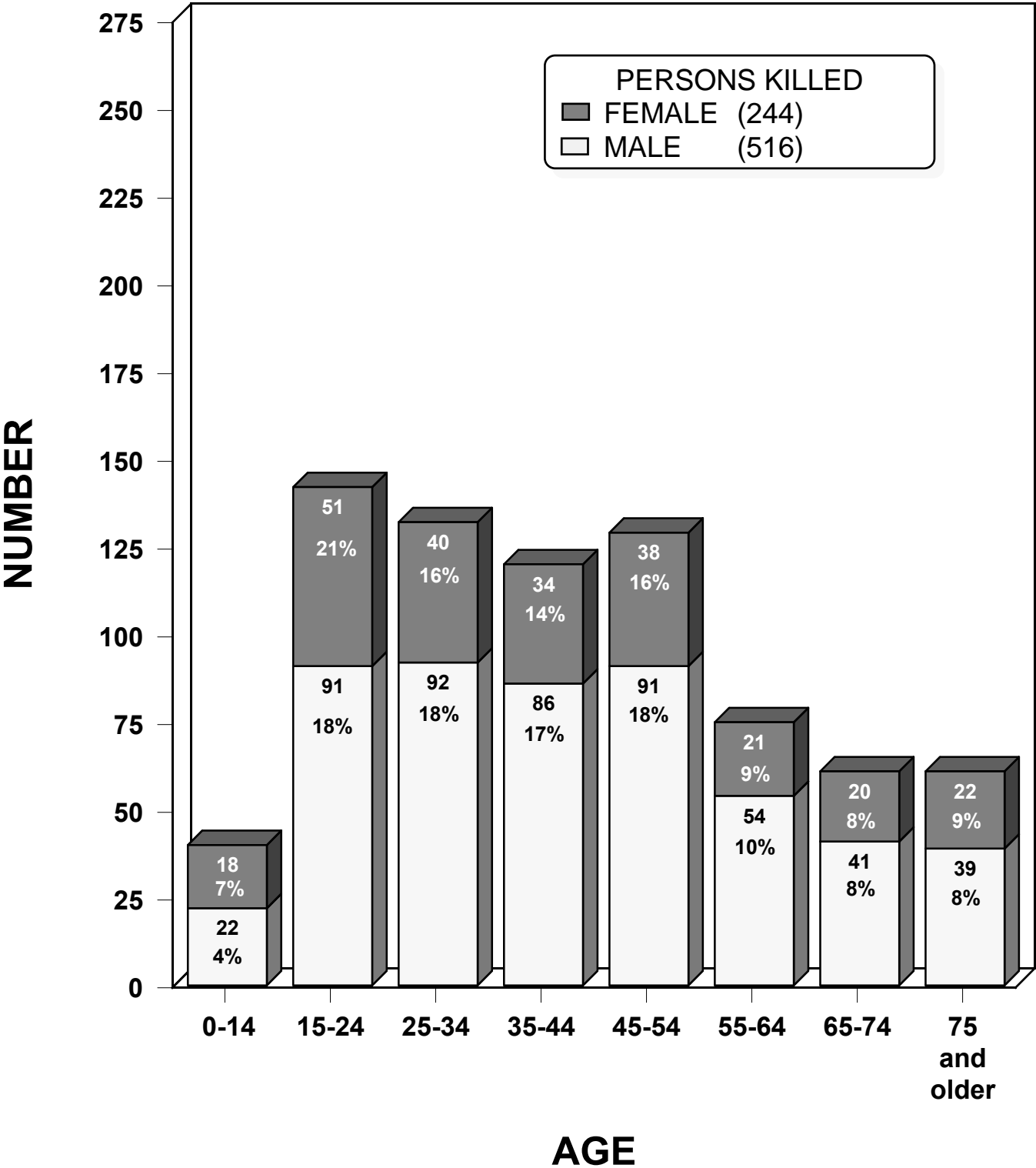
<b>TOTAL DEATH RATES</b> (deaths per 100 million miles traveled*)			
YEAR	KILLED	RATE**	
		KY	U.S.
1996	846	1.99	1.69
1997	865	1.93	1.64
1998	869	1.87	1.58
1999	819	1.71	1.55
2000	823	1.76	1.53
2001	843	1.78	1.51
2002	915	1.96	1.51
2003	928	1.98	1.48
2004	964	2.07	1.44
2005	985	2.08	1.46
2006	913	1.92	1.42
2007	864	1.80	1.36
2008	826	1.75	1.25
2009	791	1.68	1.16
2010	760	1.58	1.15

\*Miles traveled in Kentucky in 2010 = 48.1 billion

\*\*Public Roads; U.S. Data from NHTSA

# FATALITIES BY AGE AND SEX

The number of persons killed in fatal collisions in 2010 is shown by age and sex in the chart below. There were 516 males versus 244 females killed. Nineteen (19) 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 (64%) and collisions with fixed objects (23%) account for 87% of the fatalities and injuries during 2010.

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	81,396	273	299	2,238	7,591	14,009	63.6
COLLISION WITH FIXED OBJECT	24,311	227	241	1,107	3,314	4,180	23.3
OTHER NON COLLISION	2,671	37	41	158	371	492	2.8
COLLISION WITH PEDESTRIAN	1,050	57	61	169	329	441	2.6
NON COLLISION OVERTURNED	1,846	66	81	226	485	532	3.5
COLLISION WITH OTHER OBJECT	1,715	5	6	42	153	251	1.2
COLLISION WITH PEDALCYCLIST	470	7	7	36	152	144	0.9
COLLISION WITH PARKED VEHICLE	8,791	9	9	39	150	225	1.1
COLLISION WITH DEER	3,084	4	4	21	63	75	0.4
COLLISION WITH OTHER ANIMAL	2,072	1	1	18	75	88	0.5
COLLISION WITH TRAIN	50	8	10	3	6	13	0.1
<b>TOTALS</b>	<b>127,456</b>	<b>694</b>	<b>760</b>	<b>4,057</b>	<b>12,689</b>	<b>20,450</b>	<b>100.0</b>

# OCCURRENCE OF COLLISIONS BY TYPE

Sixty-four (64) percent of all collisions reported during 2010 involved collisions between two or more moving vehicles (not in a parking lot).

Nineteen (19) percent of all collisions involved collisions with fixed objects.

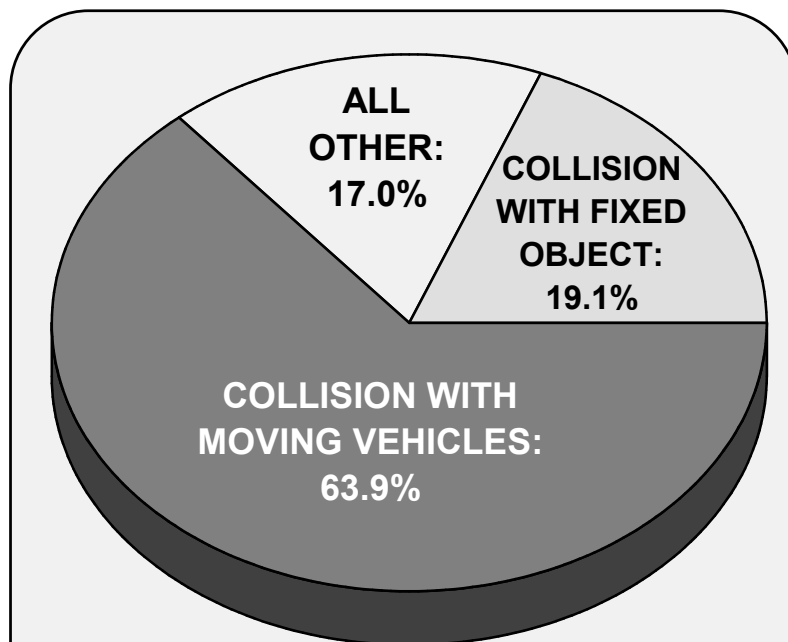
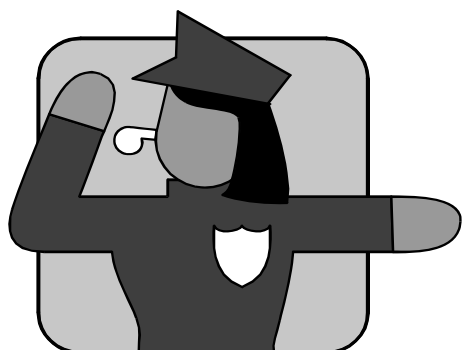
Seventeen (17) percent of all collisions did not involve a collision with either a moving vehicle or a fixed object. About 12.7% were other types of collisions (vehicle with pedestrian, deer, pedalcyclist, etc.) while the remainder were non-collisions (vehicle overturning and other non-collisions).

When looking at fatal collisions, the ratio among types of occurrences is different. Thirty-nine (39) percent of all fatal collisions involved a collision with another moving vehicle.

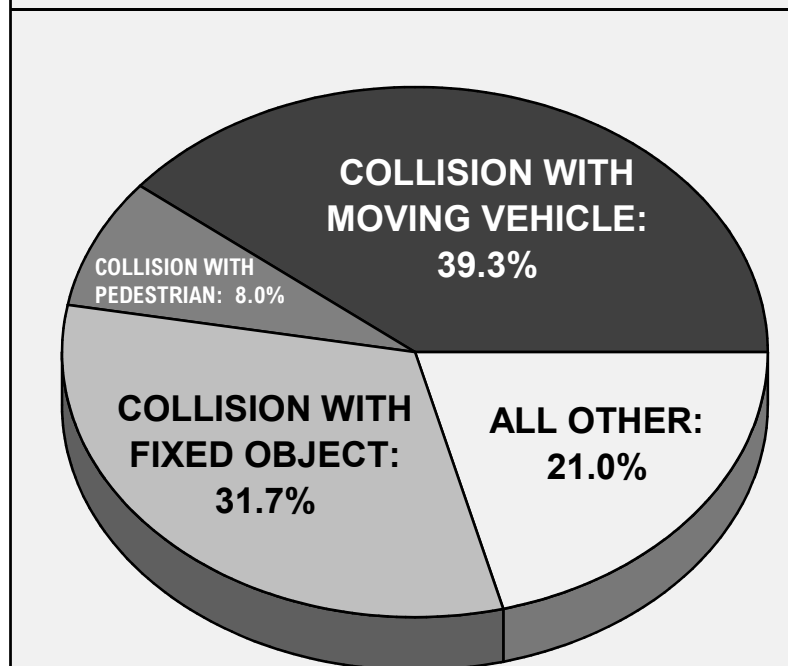
Thirty-two (32) percent of the fatal collisions reported during 2010 involved collisions with fixed objects.

Collisions with pedestrians accounted for 8% of the fatal collisions. Twenty-one (21) percent of the fatal collisions were other type collisions. Most of these (14.8%) 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 64% of all collisions reported during 2010, and accounted for 39% of all fatalities (persons killed). Collisions with fixed objects accounted for 19% of all collisions, but 32% of fatalities. Types of collisions are depicted below.

## COLLISIONS WITH MOVING MOTOR VEHICLE:

Total Collisions: 81,396  
 % of Total Collisions: 63.86%  
 Persons Killed: 299  
 % of Total Fatalities: 39.34%  
 No. of Fatal Collisions: 273  
 % of All Fatal Collisions: 39.34%

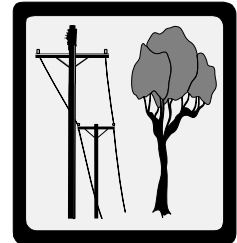


## COLLISIONS WITH PEDESTRIAN:

Total Collisions: 1,050  
 % of Total Collisions: 0.82%  
 Persons Killed: 61  
 % of Total Fatalities: 8.03%  
 No. of Fatal Collisions: 57  
 % of All Fatal Collisions: 8.21%

## COLLISIONS WITH FIXED OBJECT:

Total Collisions: 24,311  
 % of Total Collisions: 19.07%  
 Persons Killed: 241  
 % of Total Fatalities: 31.71%  
 No. of Fatal Collisions: 227  
 % of All Fatal Collisions: 32.71%

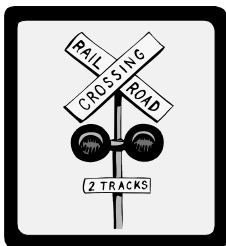
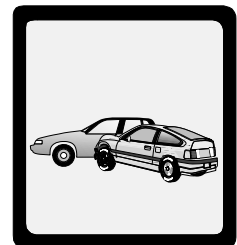


## COLLISIONS WITH PEDALCYCLIST:

Total Collisions: 470  
 % of Total Collisions: 0.37%  
 Persons Killed: 7  
 % of Total Fatalities: 0.92%  
 No. of Fatal Collisions: 7  
 % of All Fatal Collisions: 1.01%

## PARKED VEHICLE COLLISIONS:

Total Collisions: 8,791  
 % of Total Collisions: 6.90%  
 Persons Killed: 9  
 % of Total Fatalities: 1.18%  
 No. of Fatal Collisions: 9  
 % of All Fatal Collisions: 1.30%



## COLLISIONS WITH RAILWAY TRAIN:

Total Collisions: 50  
 % of Total Collisions: 0.04%  
 Persons Killed: 10  
 % of Total Fatalities: 1.32%  
 No. of Fatal Collisions: 8  
 % of All Fatal Collisions: 1.15%

## COLLISIONS WITH OTHER OBJECTS:

Total Collisions: 1,715  
 % of Total Collisions: 1.35%  
 Persons Killed: 6  
 % of Total Fatalities: 0.79%  
 No. of Fatal Collisions: 5  
 % of All Fatal Collisions: 0.72%

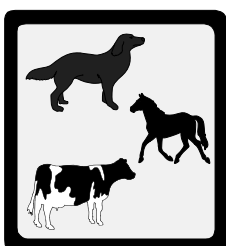


## COLLISIONS WITH DEER:

Total Collisions: 3,084  
 % of Total Collisions: 2.42%  
 Persons Killed: 4  
 % of Total Fatalities: 0.53%  
 No. of Fatal Collisions: 4  
 % of All Fatal Collisions: 0.58%

## NON-COLLISIONS OVERTURNED:

Total Collisions: 1,846  
 % of Total Collisions: 1.45%  
 Persons Killed: 81  
 % of Total Fatalities: 10.66%  
 No. of Fatal Collisions: 66  
 % of All Fatal Collisions: 9.51%



## COLLISIONS WITH ANIMALS (excluding deer):

Total Collisions: 2,072  
 % of Total Collisions: 1.63%  
 Persons Killed: 1  
 % of Total Fatalities: 0.13%  
 No. of Fatal Collisions: 1  
 % of All Fatal Collisions: 0.14%

## OTHER NON-COLLISIONS:

Total Collisions: 2,671  
 % of Total Collisions: 2.10%  
 Persons Killed: 41  
 % of Total Fatalities: 5.39%  
 No. of Fatal Collisions: 37  
 % of All Fatal Collisions: 5.33%





# PEDESTRIAN COLLISIONS



Sixty-one (61) pedestrians were killed and 939 were injured in traffic collisions in 2010. 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. Sixteen (16) percent of the pedestrians killed or injured were 14 years of age or younger, while 8% 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	87	2	0	4	9	6	42	21	7	0
At Intersection	5	96	0	2	5	9	15	29	31	10	0
Crossing Against Signal	7	56	3	0	8	11	9	17	13	2	0
Crossing With Signal	0	100	3	5	3	4	4	20	49	11	1
Dark Clothing / Not Visible	24	94	4	0	8	20	7	40	27	12	0
Darting into Roadway	10	179	11	38	49	39	15	19	13	4	1
Drinking	5	55	0	0	1	3	6	27	21	1	1
Drug Related	0	7	0	0	1	0	1	3	2	0	0
Getting On or Off Vehicle	0	16	0	3	2	3	0	4	3	1	0
In Crosswalk	7	115	3	3	6	18	15	29	33	14	1
Jogging	0	17	0	0	2	3	3	8	1	0	0
Lying in Roadway	4	7	0	0	2	1	1	6	1	0	0
Not at Intersection	14	103	3	4	8	21	9	28	29	15	0
Not in Roadway	6	87	0	2	6	3	19	26	26	11	0
Physical Impairment	1	6	0	0	0	1	0	3	2	1	0
Playing in Roadway	0	12	2	5	2	1	1	1	0	0	0
Pushing Vehicle	0	3	0	0	0	0	0	3	0	0	0
Skating/Skateboarding	0	5	0	1	1	2	0	1	0	0	0
Walking in Roadway	19	199	4	3	10	32	25	64	56	24	0
Working in Roadway	1	17	0	0	1	1	3	7	6	0	0
Working on Vehicle	1	32	2	2	0	4	9	4	6	4	2
<b>TOTAL*</b>	<b>108</b>	<b>1,293</b>	<b>37</b>	<b>68</b>	<b>119</b>	<b>185</b>	<b>148</b>	<b>381</b>	<b>340</b>	<b>117</b>	<b>6</b>

PEDESTRIAN FACTOR	VEHICLE ACTION								
	Straight	Right Turn	Left Turn	Parking	Starting in Traffic	Slowing	Backing	Other	TOTAL
Approaching or Leaving Vehicle	46	4	4	26	0	4	17	10	111
At Intersection	32	18	34	0	4	9	2	4	103
Crossing Against Signal	36	3	11	1	2	3	0	3	59
Crossing With Signal	13	26	72	0	0	0	1	2	114
Dark Clothing / Not Visible	86	0	11	4	0	3	2	5	111
Darting into Roadway	180	2	5	2	1	9	0	6	205
Drinking	48	0	3	3	0	1	2	3	60
Drug Related	6	0	0	0	0	1	0	1	8
Getting On or Off Vehicle	6	0	0	6	0	3	2	0	17
In Crosswalk	38	25	51	0	5	3	4	4	130
Jogging	11	6	1	0	1	0	0	0	19
Lying in Roadway	7	0	0	3	0	0	1	1	12
Not at Intersection	95	1	10	4	2	3	2	3	120
Not in Roadway	48	4	5	14	2	1	5	8	87
Physical Impairment	4	1	0	0	0	0	2	0	7
Playing in Roadway	10	0	0	1	0	0	2	0	13
Pushing Vehicle	0	0	1	0	0	0	1	1	3
Skating/Skateboarding	7	0	1	0	0	0	0	0	8
Walking in Roadway	155	4	22	12	1	9	21	16	240
Working in Roadway	15	1	0	6	0	1	3	1	27
Working on Vehicle	10	0	0	10	0	1	2	2	25
<b>TOTAL*</b>	<b>853</b>	<b>95</b>	<b>231</b>	<b>92</b>	<b>18</b>	<b>51</b>	<b>69</b>	<b>70</b>	<b>1,479</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 2010, there were 11,038 hit-and-run collisions, of which 13 were fatal collisions and 960 were injury collisions. As depicted in the chart below, most of Kentucky's hit-and-run collisions were property damage collisions (91%). Sixteen (14) persons were killed and 1,285 were injured.

TOTAL	FATAL COLLISIONS	INJURY COLLISIONS	PROPERTY DAMAGE COLLISIONS	PERSONS KILLED	PERSONS INJURED
11,038	13	960	10,065	14	1,285

## HIT-AND-RUN VICTIMS

As shown in the chart below, 9 of the 14 persons killed in hit-and-run collisions were pedestrians and none were pedalcyclists. One hundred thirty-six (136) pedestrians and 35 pedalcyclists were injured.

TYPE OF VICTIM	PERSONS KILLED	PERSONS INJURED
Pedestrian	9	136
Pedalcyclist	0	35
Other	5	1,114
<b>TOTAL</b>	<b>14</b>	<b>1,285</b>

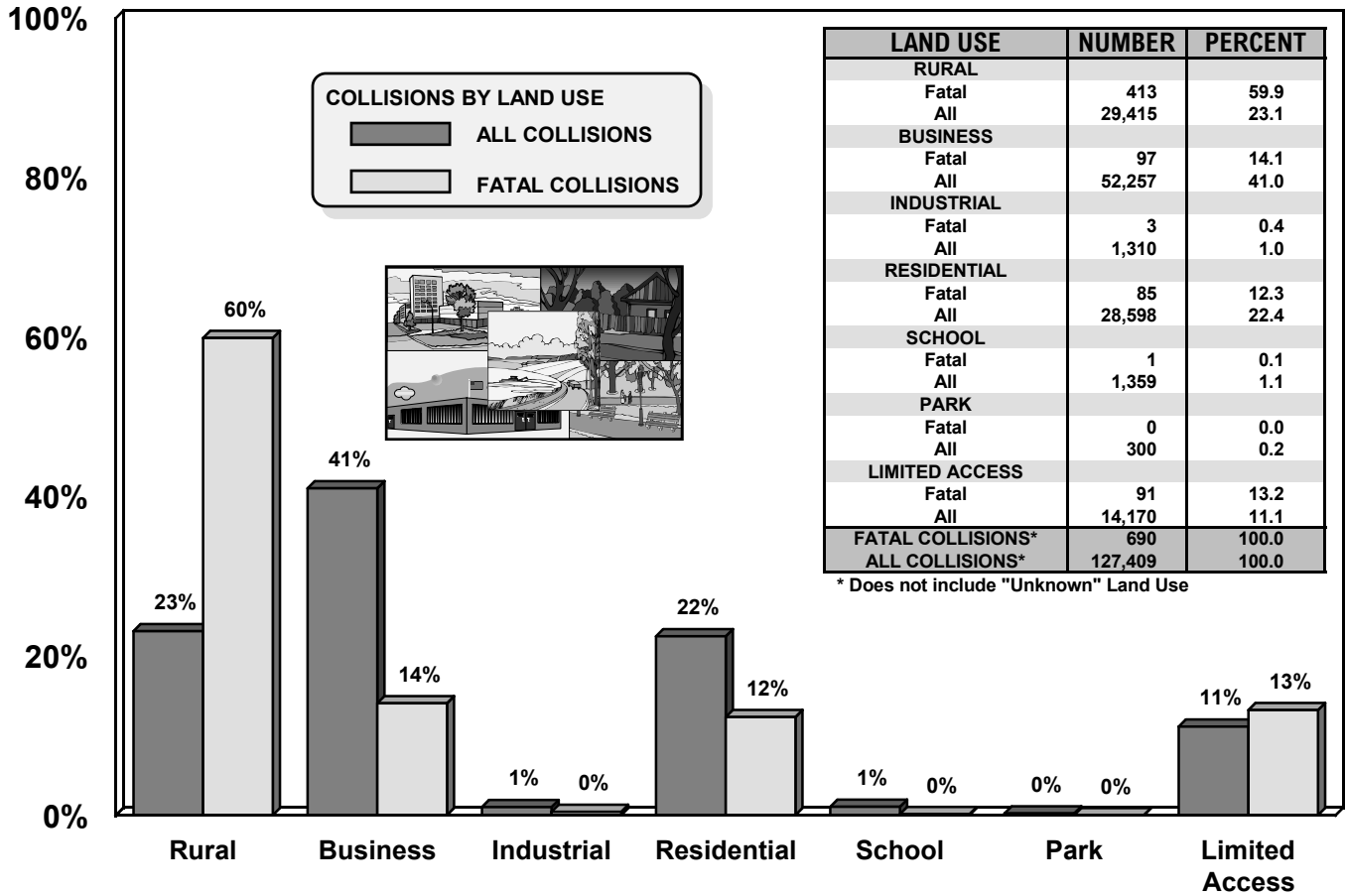


## LOCATION OF HIT-AND-RUN COLLISIONS

The location of hit-and-run collisions are shown in the chart below. The largest percentage of hit-and-run collisions (41%) occurred on city streets, followed by 23% on state routes, and 18% on U.S. routes.

TYPE OF ROADWAY	ALL HIT-AND-RUN COLLISIONS	FATAL COLLISIONS	INJURY COLLISIONS	PROPERTY DAMAGE
INTERSTATE	780	3	67	710
U.S. ROUTE	1,940	3	229	1,708
STATE ROUTE	2,563	1	289	2,273
PARKWAY	27	0	1	26
COUNTY ROADS	593	2	61	530
CITY STREETS	4,477	4	288	4,185
OTHER	658	0	25	633
<b>TOTAL</b>	<b>11,038</b>	<b>13</b>	<b>960</b>	<b>10,065</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 (56%) took place in rural areas of Kentucky during 2010. 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>	47,343	37	386	56	10,238	41	36,719	36	429	56	15,559	42
<b>URBAN</b>	80,113	63	308	44	14,524	59	65,281	64	331	44	21,637	58
<b>TOTAL</b>	127,456	100	694	100	24,762	100	102,000	100	760	100	37,196	100

# LOCATION OF COLLISIONS

The chart at right shows the number of collisions during 2010 by type of roadway, with percentages of all collisions.

Thirty-four (34) percent of all collisions occurred on Kentucky's "State Numbered" roads, with 50% of all fatal collisions reported during 2010 occurring on this type of roadway.

Although 23% 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	70	2,009	8,930	9
U.S. ROUTE	168	6,520	25,086	25
STATE ROUTE	344	10,095	32,857	34
PARKWAY	17	390	1,318	1
COUNTY ROAD	60	1,600	6,206	6
CITY STREET	29	3,924	24,913	23
Other	6	224	2,690	2
<b>TOTAL</b>	<b>694</b>	<b>24,762</b>	<b>102,000</b>	<b>100</b>

## INTERSTATES AND PARKWAYS

The chart below depicts the incidence of collisions on Kentucky's interstates and parkways. Interstate collisions represent 9% of all collisions. Parkway collisions represent 1% of all collisions.

INTERSTATE	Collisions	Fatal Collisions	Nonfatal Injury	Property Damage	Number Killed	Number Injured
I-24	390	4	70	316	5	113
I-64	2,029	19	353	1,657	22	508
I-65	2,349	14	423	1,892	24	642
I-71	839	4	173	662	6	244
I-75	2,777	19	542	2,181	19	821
I-264	1,155	5	207	943	5	323
I-265	530	3	96	431	3	133
I-275	680	2	115	563	2	156
I-471	315	0	30	285	0	39
<b>TOTAL</b>	<b>11,064</b>	<b>70</b>	<b>2,009</b>	<b>8,930</b>	<b>86</b>	<b>2,979</b>

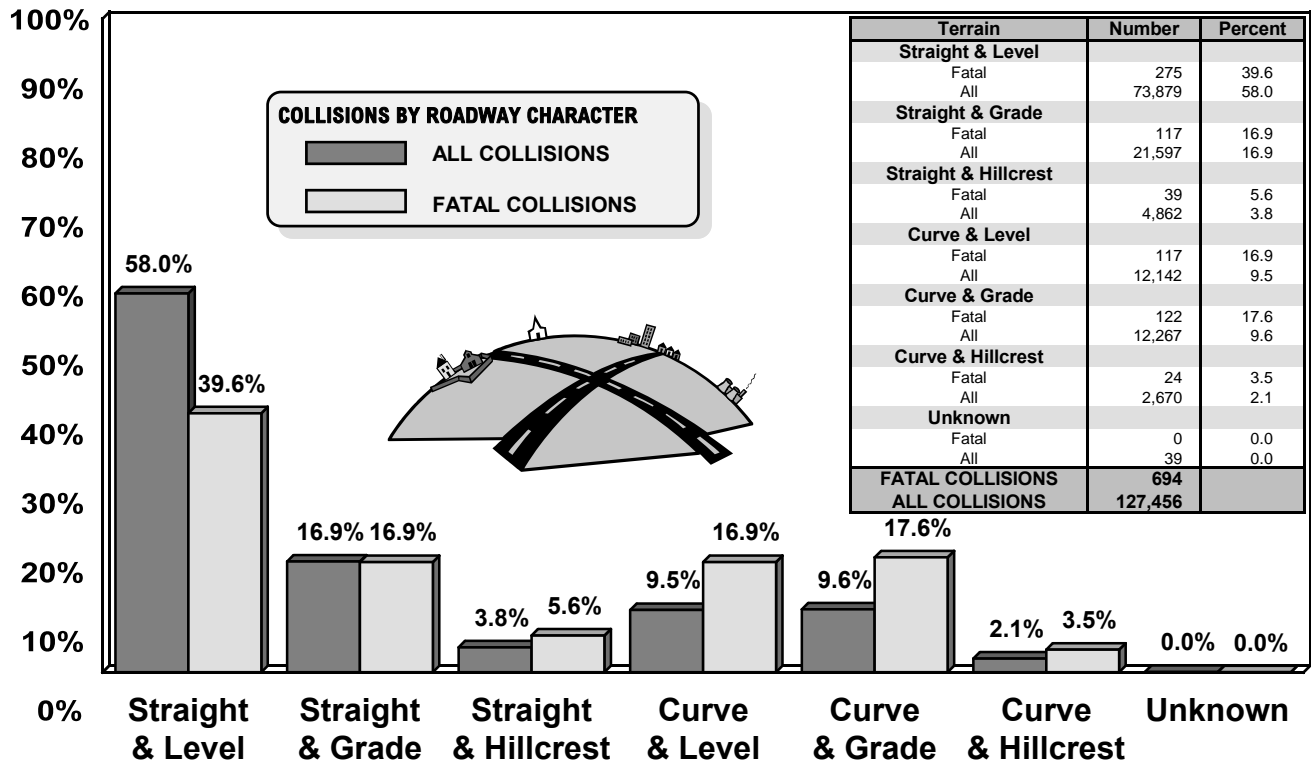
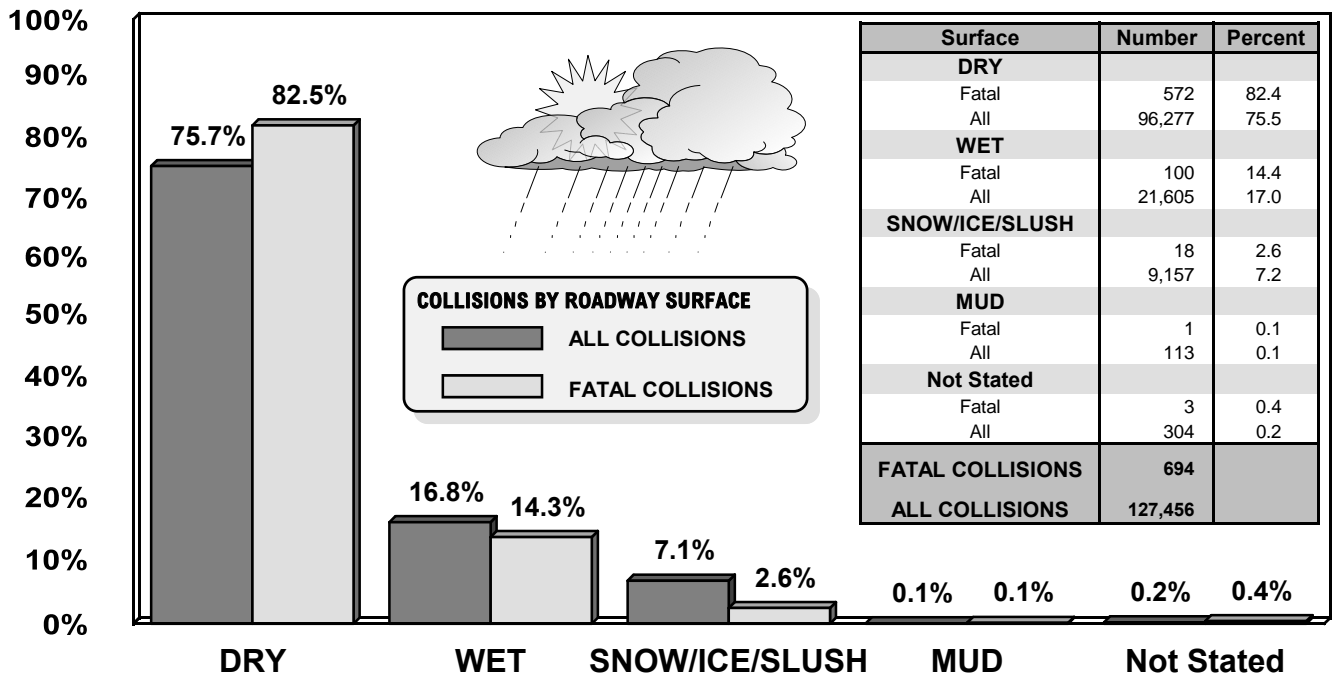
PARKWAY	Collisions	Fatal Collisions	Nonfatal Injury	Property Damage	Number Killed	Number Injured
Audubon	60	0	9	51	0	12
Martha L. Collins	204	0	55	149	0	83
Edward Breathitt	315	7	50	258	8	72
Hal Rodgers	134	1	46	87	1	74
Louie Nunn	164	1	32	131	1	48
Bert Combs Mtn.	146	2	43	101	2	68
William Natcher	166	2	34	130	2	52
Julian Carroll	155	0	42	113	0	52
Wendell Ford	381	4	79	298	5	120
<b>TOTAL</b>	<b>1,725</b>	<b>17</b>	<b>390</b>	<b>1,318</b>	<b>19</b>	<b>581</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.

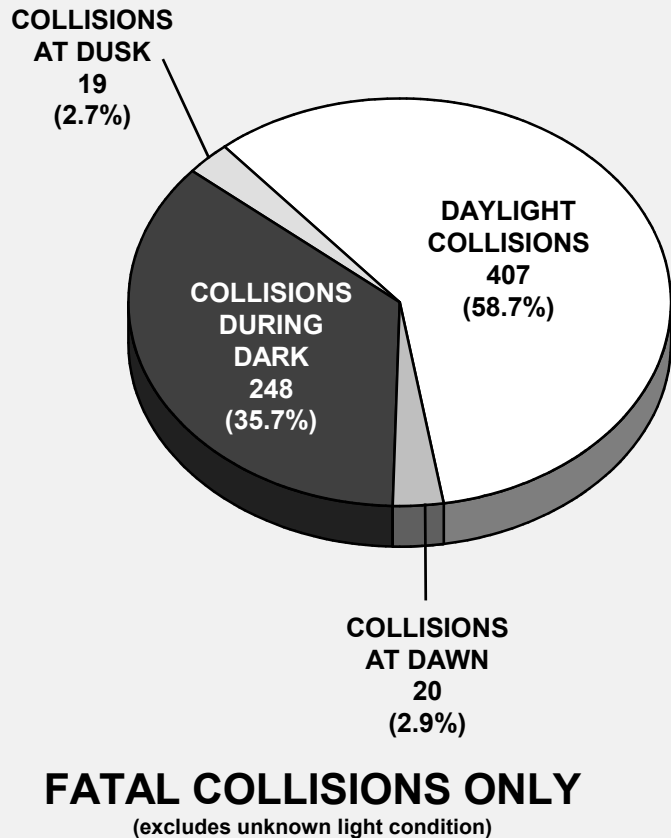
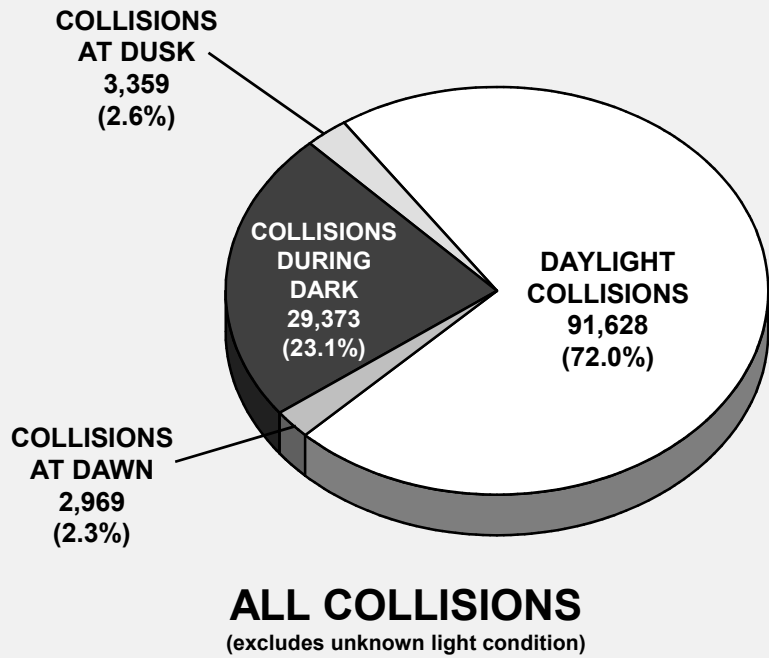
As depicted in the bottom chart, 79% of all collisions occurred on straight roads and 21% on curved roads. Thirty-eight (38) percent of the fatal collisions during 2010 occurred on curved roads.



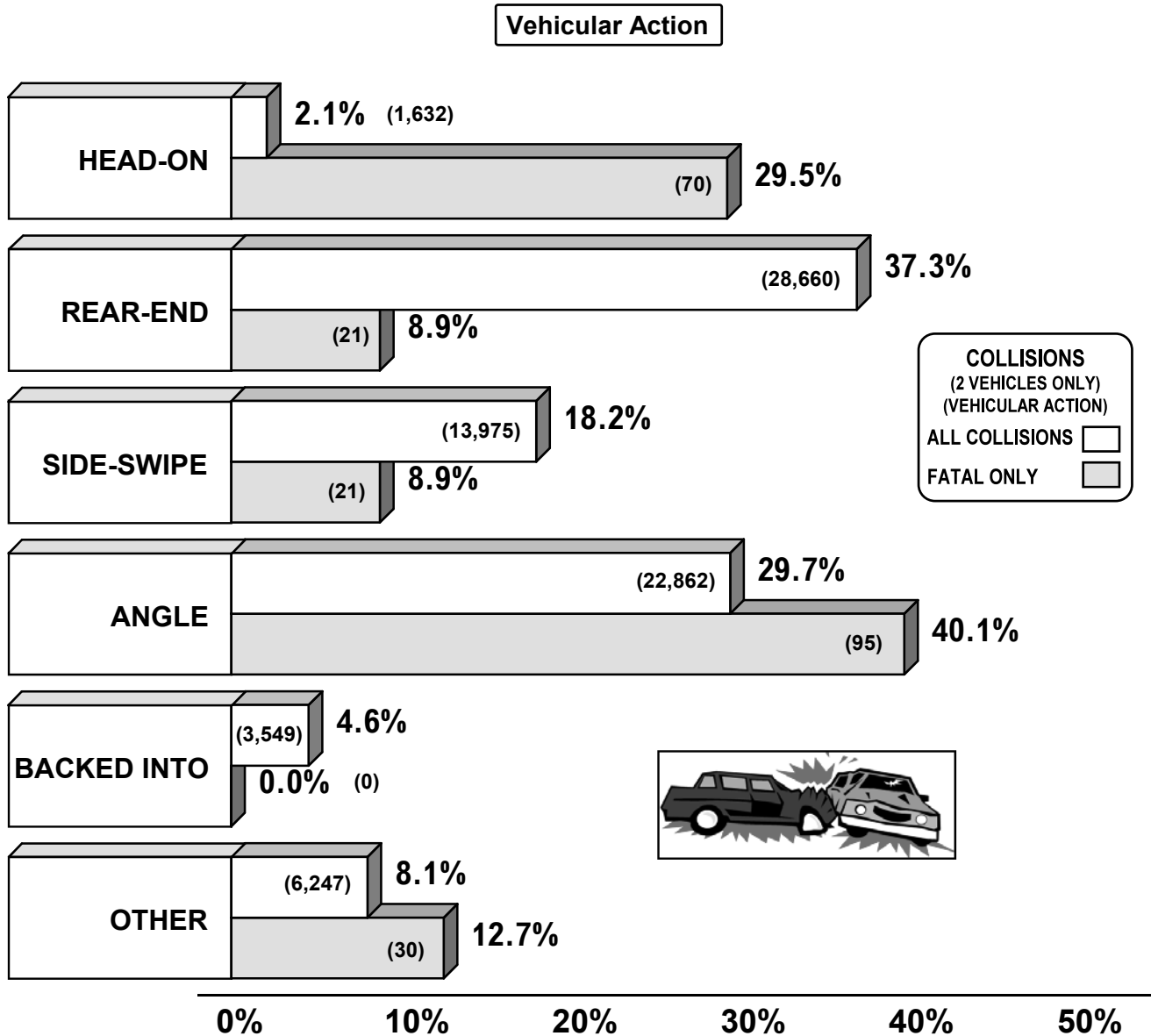
# COLLISIONS BY LIGHT CONDITION

Seventy-two (72) percent of all collisions reported during 2010 occurred during daylight hours. Twenty-three (23) percent of all collisions occurred during dark hours, and 5% occurred at dawn or dusk.

Fifty-nine (59) percent of all fatal collisions occurred during daylight hours, 36% occurred during dark hours, and 6% at dawn or dusk.



# TWO-VEHICLE COLLISIONS



76,925 traffic collisions (including 237 fatal collisions) reported during 2010 involved "two-vehicle" collisions. These collisions represent 60% of all collisions and 34% 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 2% of all collisions involving two vehicles and 30% of the fatal collisions.

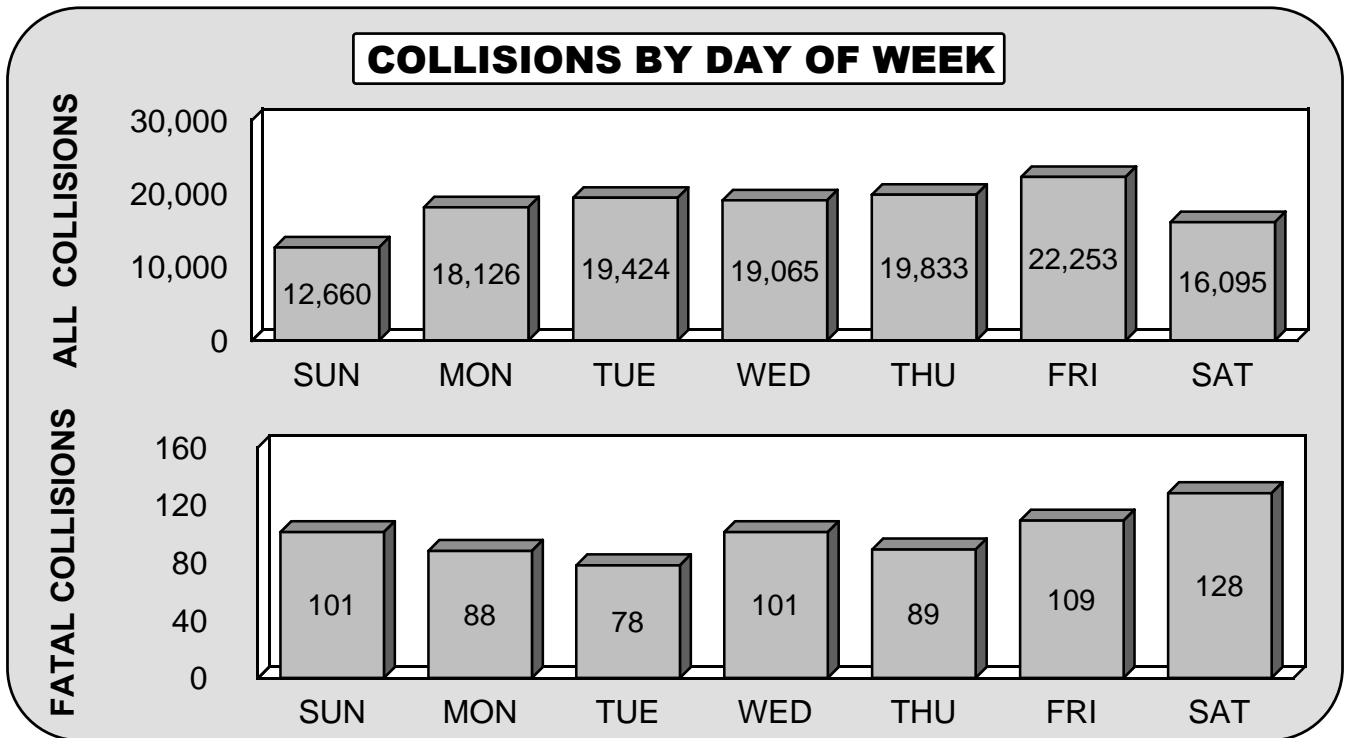
Rear-end collisions reflect 37% of all two-vehicle collisions, but only 9% of the fatal collisions.

Sideswipe collisions (both meeting and passing) reflect 18% of all collisions and 9% of the fatal collisions.

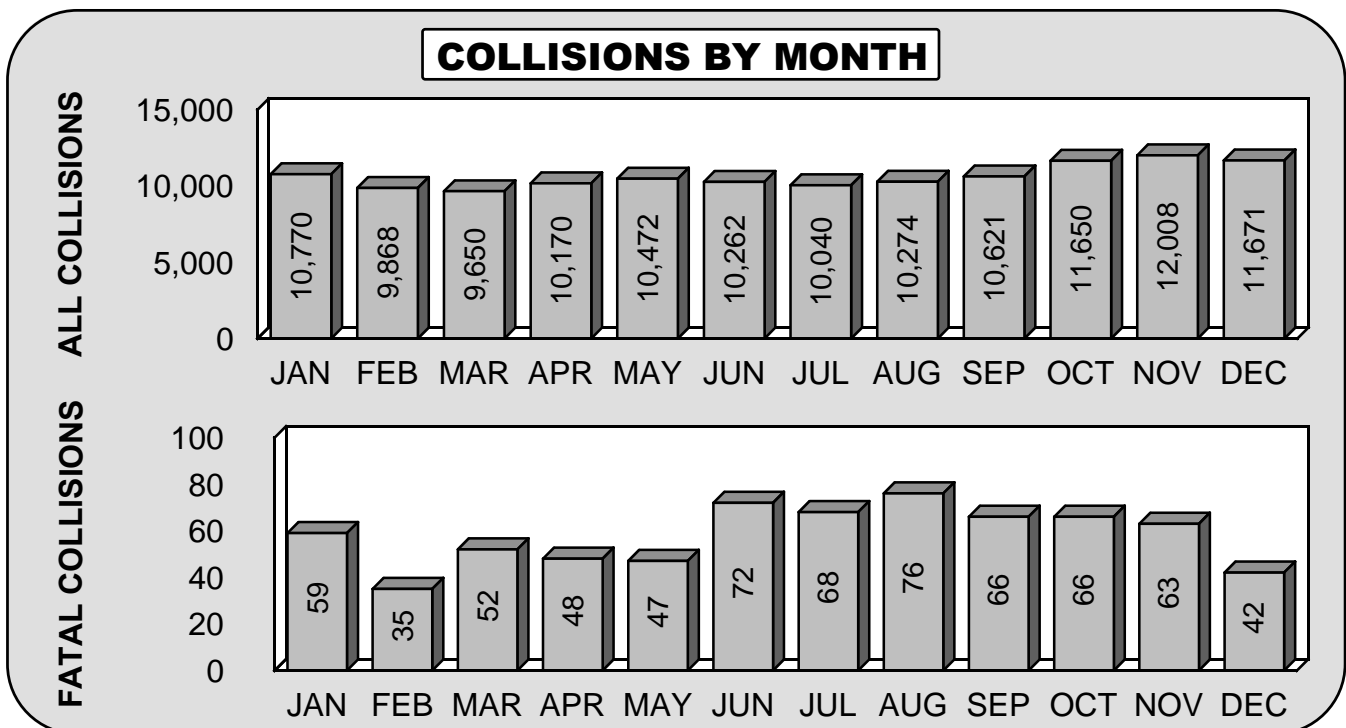
Angle collisions, at 40%, represent the highest percentage of fatal collisions.

# 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 33% of fatal collisions occurred on weekends (Saturday and Sunday combined).



November ranked highest for total number of collisions and March showed the lowest number of total collisions. August reported the highest number of fatal collisions; February 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 2010 was 42 as compared to 48 in 2009.

HOLIDAY PERIOD	2006		2007		2008		2009		2010	
	Number	Alcohol Involved	Number	Alcohol Involved	Number	Alcohol Involved	Number	Alcohol Involved	Number	Alcohol Involved
NEW YEAR'S DAY	5	2	8	3	7	1	4	2	8	3
MEMORIAL DAY	16	2	8	1	5	3	9	2	8	2
INDEPENDENCE DAY	16	4	0	0	9	4	11	2	7	2
LABOR DAY	9	2	14	3	14	4	10	6	8	1
THANKSGIVING	14	3	11	3	9	3	8	2	9	3
CHRISTMAS	7	2	8	3	13	7	6	1	2	0
<b>TOTAL</b>	<b>67</b>	<b>15</b>	<b>49</b>	<b>13</b>	<b>57</b>	<b>22</b>	<b>48</b>	<b>15</b>	<b>42</b>	<b>11</b>

## HOLIDAY TIMES AND DATES

The times and dates below were designated by the National Safety Council for holidays in 2010.

HOLIDAY	BEGIN	THROUGH
New Year's Day	6:00 p.m. Thursday, December 31, 2009	11:59 p.m. Sunday, January 3, 2010
Memorial Day	6:00 p.m. Friday, May 28	11:59 p.m. Monday, May 31
Independence Day	6:00 p.m. Friday, July 2	11:59 a.m. Monday, July 5
Labor Day	6:00 p.m. Friday, September 3	11:59 p.m. Monday, September 6
Thanksgiving	6:00 p.m. Wednesday, November 24	11:59 p.m. Sunday, November 28
Christmas	6:00 p.m. Thursday, December 23	11:59 p.m. Sunday, December 26

## COMPARISON OF HOLIDAY FATALITIES/COLLISIONS

The Thanksgiving holiday period registered the highest number of fatalities during 2010. 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>	8	8	7	8	9	2
<b>NO. PERSONS INJURED</b>	320	331	335	327	393	219
<b>FATAL COLLISIONS</b>	8	8	7	8	8	2
<b>INJURY COLLISIONS</b>	207	182	214	214	237	148
<b>PROPERTY DAMAGE</b>	891	677	623	595	1,047	809
<b>TOTAL COLLISIONS</b>	1,106	867	844	817	1,292	959





# 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*	209,656	91.40	831	72.89
Taxicabs	149	0.06	0	0.00
Trucks	8,564	3.73	93	8.16
Motorcycles	2,007	0.87	93	8.16
Motor Scooters/Motor Bikes	235	0.10	6	0.53
School Buses	863	0.38	3	0.26
Other Buses	645	0.28	5	0.44
Farm Tractors/Equipment	194	0.08	5	0.44
Emergency	1,098	0.48	0	0.00
Other Public Owned	346	0.15	3	0.26
Other	5,569	2.43	1	0.09
Not Stated	68	0.03	100	8.77
<b>TOTAL</b>	<b>229,394</b>	<b>100.00</b>	<b>1,140</b>	<b>100.00</b>

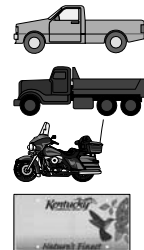
\* Passenger cars include automobiles and trucks registered for 6,000 pounds or less.

There were 229,394 vehicles involved in collisions during 2010. Of this total, 184,288 were involved in property damage only collisions, 43,966 were involved in injury collisions, and 1,140 were involved in fatal collisions. The majority (91%) of the vehicles involved in all collisions were passenger cars (73% in fatal collisions). Trucks accounted for 4% of vehicles in all collisions, but accounted for 8% of vehicles in fatal collisions. Motorcycles represented 8% of the vehicles in fatal collisions, but only 1% of vehicles in all collisions.

## VEHICLES REGISTERED IN KENTUCKY 2010



<b>PASSENGER CARS</b>	<b>2,723,061</b>
<b>COMMERCIAL TRUCKS</b>	<b>167,238</b>
<b>MOTORCYCLES</b>	<b>105,847</b>
<b>Other (Inc. Special Issue Plates)</b>	<b>785,945</b>
<b>TOTAL (ALL TYPES)</b>	<b>3,782,091</b>



# 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 8,564 trucks were involved in collisions, 93 in fatal collisions, and 1,393 in non-fatal injury collisions.**

CONTRIBUTING VEHICULAR FACTORS	NUMBER OF TRUCKS INVOLVED IN:					
	ALL COLLISIONS		FATAL COLLISIONS		NONFATAL INJURY COLLISIONS	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
Load Securement	148	1.76	0	0.00	13	0.96
Tire Failure	107	1.27	0	0.00	12	0.88
Brakes Defective	72	0.86	1	0.88	16	1.18
Oversized Load on Vehicle	61	0.73	0	0.00	5	0.37
Tow Hitch Defective / Separation of Units	55	0.66	0	0.00	4	0.29
Other Lighting Defective	20	0.24	0	0.00	7	0.52
Overweight	13	0.15	0	0.00	5	0.37
Steering Failure	20	0.24	0	0.00	5	0.37
Headlights Defective	2	0.02	0	0.00	0	0.00
Other	241	2.87	1	0.88	33	2.43

The chart below shows the total number of truck collisions, as well as those with hazardous cargo, by type of roadway. **There were 8,036 collisions in which a truck was involved. This resulted in 104 fatalities and 1,929 injuries.** Twenty-one (21) percent of all truck collisions occurred on county or city streets, 23% on interstates, and 51% on U.S. and state-numbered routes. Twenty-four (24) percent of the hazardous cargo collisions occurred on interstates and 56% 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	20	355	1,499	1,874	0	4	36	40
US Route	22	335	1,396	1,753	0	7	37	44
State Route	38	445	1,882	2,365	1	13	36	50
Parkway	4	40	149	193	1	0	6	7
County	2	34	315	351	0	1	7	8
City Street	1	85	1,256	1,342	0	1	16	17
Other	0	11	147	158	0	0	3	3
<b>TOTAL</b>	<b>87</b>	<b>1,305</b>	<b>6,644</b>	<b>8,036</b>	<b>2</b>	<b>26</b>	<b>141</b>	<b>169</b>

The residence of truck drivers involved in collisions is shown below. Twenty-four (24) percent of the drivers, with known residences, were non-residents of Kentucky. This percentage is 20% for fatal collisions and 20% 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	1,960	15	305
State Resident	2,480	21	420
Out of State Resident	2,077	19	282
Not Stated	2,047	38	386
<b>TOTAL</b>	<b>8,564</b>	<b>93</b>	<b>1,393</b>

# DRIVER INVOLVEMENT



## RESIDENCE OF DRIVER



There were 209,448 drivers involved in collisions during 2010. Of these, 1,038 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	139,721	66.7	66.9
STATE RESIDENT	51,243	24.5	24.5
OUT OF STATE	17,902	8.5	8.6
NOT STATED	582	0.3	
<b>TOTAL</b>	<b>209,448</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	634	61.1	61.1
STATE RESIDENT	303	29.2	29.2
OUT OF STATE	100	9.6	9.6
NOT STATED	1	0.1	
<b>TOTAL</b>	<b>1,038</b>	<b>100.0</b>	<b>100.0</b>



## SEX OF DRIVER



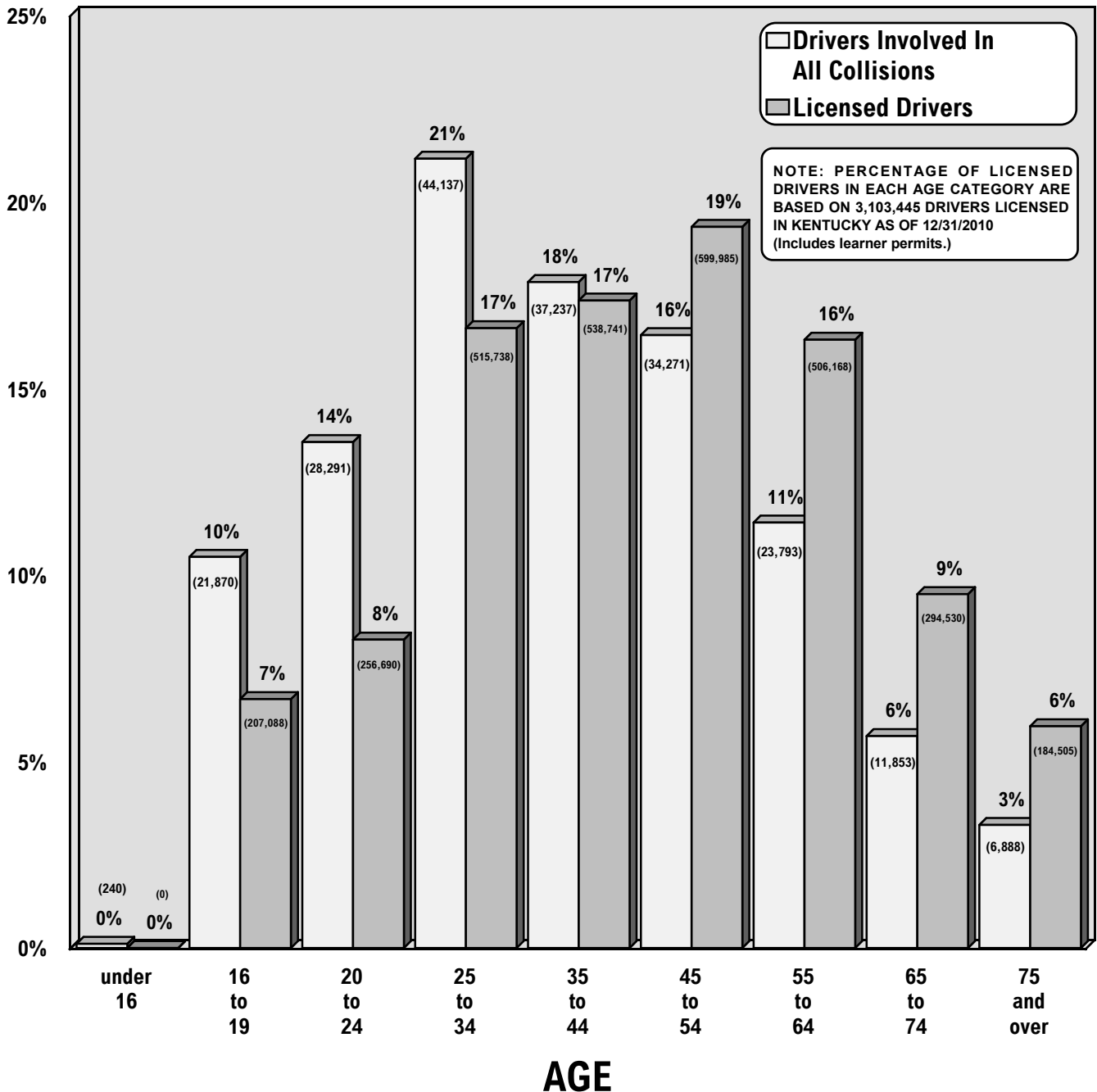
As shown in the chart below, 56% of the drivers who were involved in collisions during 2010 (where sex was listed) were male; 44% were female. In fatal collisions, 72% of the drivers were male and 28% were female.

TOTAL COLLISIONS		
SEX	NUMBER IN ALL COLLISIONS	PERCENT IN ALL COLLISIONS
MALE	116,402	55.6
FEMALE	93,046	44.4
<b>TOTAL</b>	<b>209,448</b>	<b>100.0</b>

FATAL COLLISIONS		
SEX	NUMBER IN FATAL COLLISIONS	PERCENT IN FATAL COLLISIONS
MALE	750	72.3
FEMALE	288	27.7
<b>TOTAL</b>	<b>1,038</b>	<b>100.0</b>

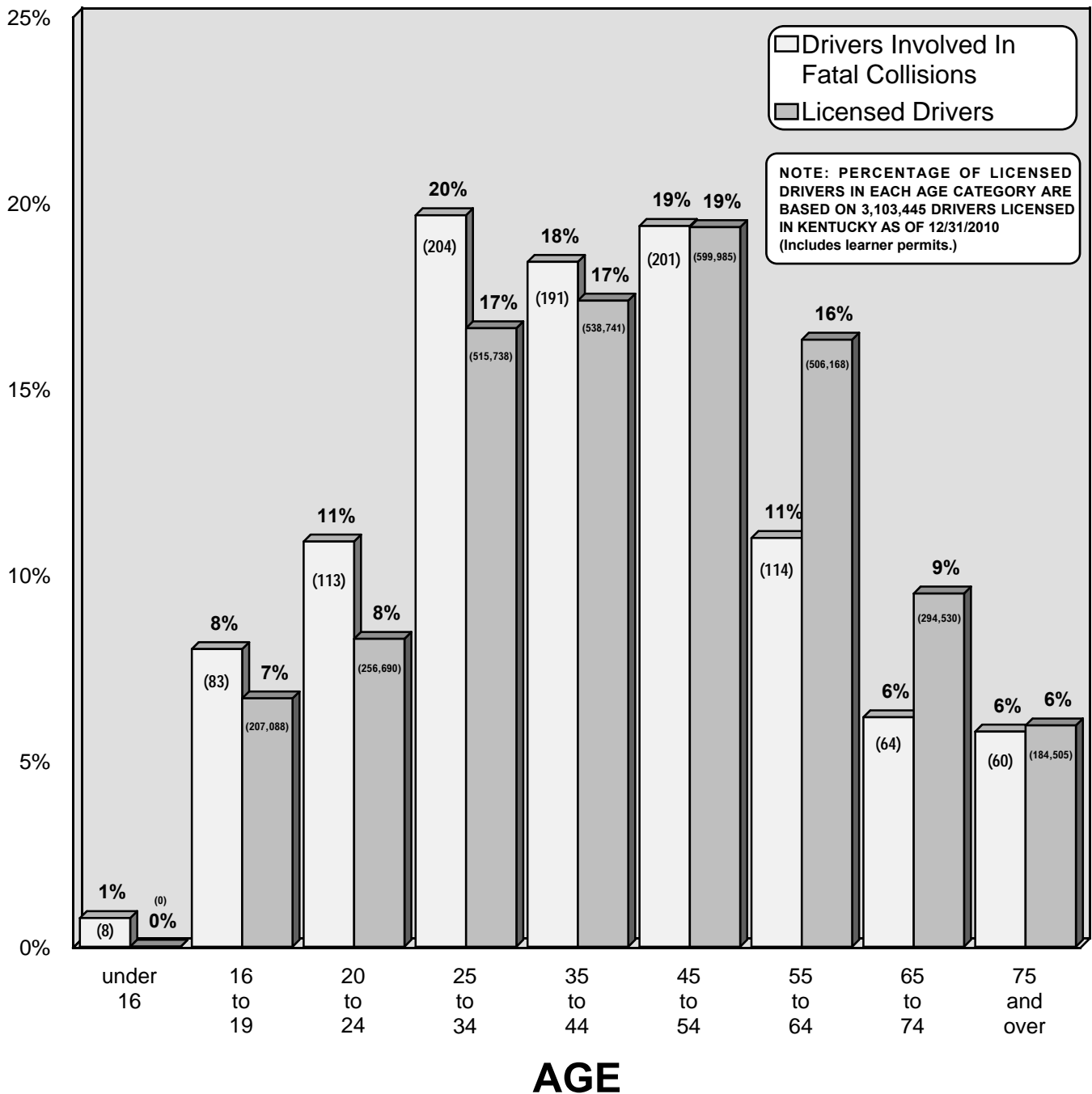
# AGE OF DRIVER (ALL COLLISIONS)

The chart below groups the ages of 208,580 drivers involved in traffic collisions in 2010 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 868 driver's ages which could not be determined. These drivers represent 0.4% of all drivers involved in all collisions. The percentages given below do not consider the "Unknown" category.



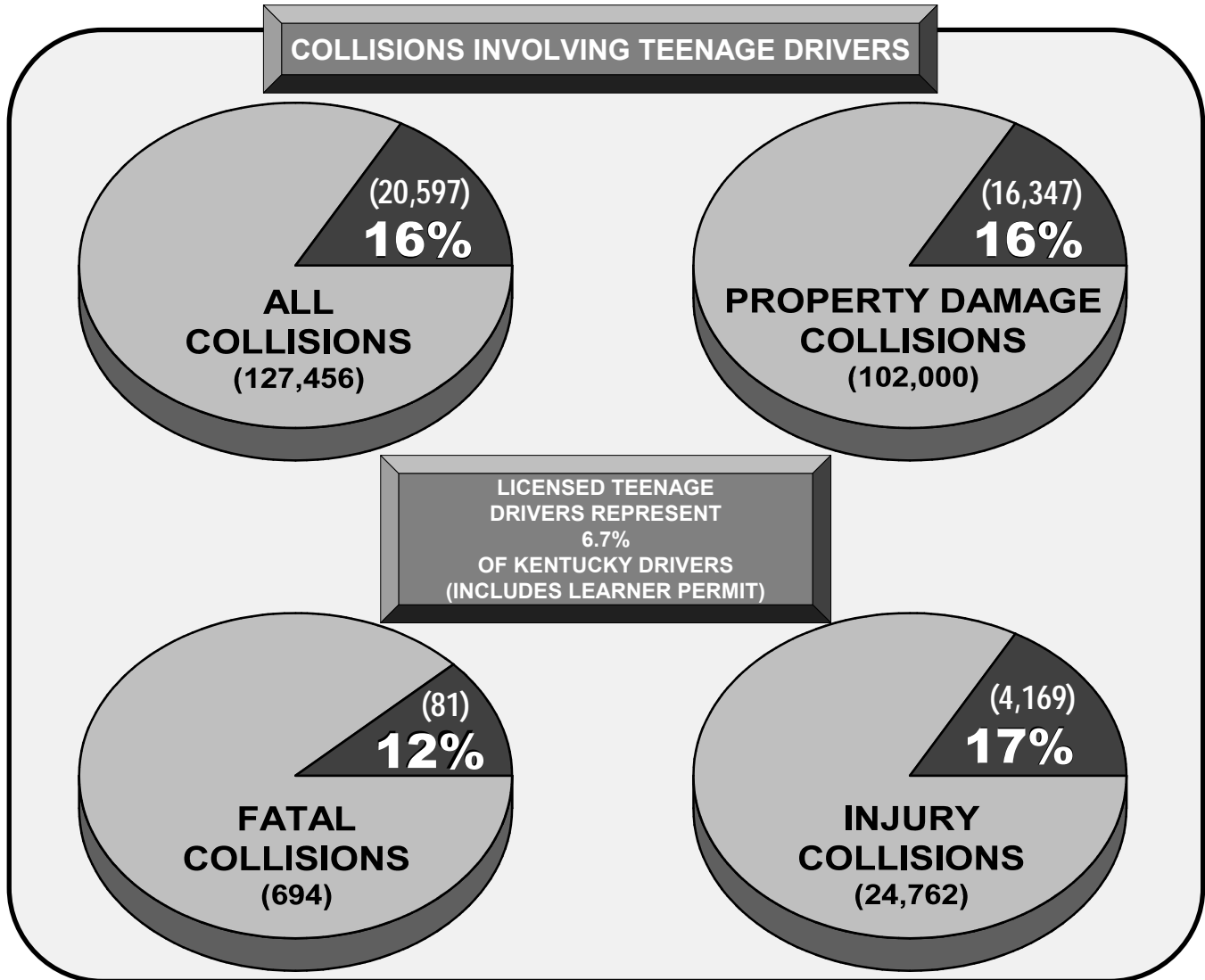
# AGE OF DRIVER (FATAL COLLISIONS)

The chart below groups the ages of 1,038 drivers involved in fatal collisions in 2010 (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 (8%) compared to their percent of the driving population (6.7%) 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 2010 (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, 372 teenage drivers were involved in alcohol-related collisions during 2010. **There were 88 fatalities in collisions involving a teenage driver (35 of these fatalities were the teenage driver). There were 7 fatalities in alcohol-related collisions involving teenage drivers (2 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
2010	21,870	83	4,378	17,409	7	151	215	373
2009	23,680	108	4,851	18,721	14	135	281	430
2008	22,990	87	4,864	18,039	4	173	275	452
2007	24,781	112	5,338	19,331	11	201	307	519

# 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>156</b>
	<b>INJURY COLLISIONS</b>	<b>1,676</b>
	<b>PROPERTY DAMAGE COLLISIONS</b>	<b>2,930</b>
	<b>TOTAL</b>	<b>4,762</b>

<b>PERSONS KILLED/INJURED</b>	<b>NUMBER KILLED</b>	<b>167</b>
	<b>NUMBER INJURED</b>	<b>2,489</b>
	<b>INCAPACITATING INJURIES</b>	<b>428</b>
	<b>NON-INCAPACITATING INJURIES</b>	<b>966</b>
	<b>POSSIBLE INJURIES</b>	<b>1,095</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.

5,008 alcohol-related collisions were reported during 2010. 3% of the alcohol-related collisions were fatal, 36% were injury collisions, and 61% were property damage only.

## Comparison with previous years

During 2010, alcohol-related collisions decreased by 5% when compared to 2009. The 167 persons killed in 2010 was 36 less the 203 persons killed in 2009. During 2010, there were 2,489 persons injured in alcohol-related collisions, a decrease of 6% from 2009 when 2,652 persons were injured.

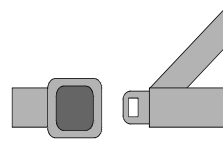
Fatal collision data in the chart below have been adjusted to reflect follow-up studies of alcohol test results.

<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>
2010	4,762	-5	167	-18	2,489	-6
2009	5,038	0	203	+27	2,652	-4
2008	5,029	-3	160	-22	2,754	-4
2007	5,189	-3	204	+9	2,866	-8
2006	5,372	-2	188	-15	3,107	-4
2005	5,458	-3	220	+11	3,237	-7
2004	5,629	+1	199	+12	3,476	0

# SAFETY RESTRAINTS

The chart below compares safety belt usage for the years of 2006 through 2010. The data were obtained as part of an annual observational survey conducted at sites across Kentucky (200 in 2006 through 2008, 160 in 2009, and in 2010). 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
2010	80	96
2009	80	99
2008	73	98
2007	72	98
2006	67	94



The chart below shows vehicle occupants by their injury status, and separates the occupants into categories of restraint used and restraint not used. Overall, 9% of all vehicle occupants were killed or injured. A breakdown into restraint usage shows only 9% of those restrained were killed or injured, compared to 43% 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>	769	0.2	249	0.1	319	3.4	201	0.2
<b>INCAPACITATING INJURY</b>	4,160	0.9	2,606	0.8	813	8.5	741	0.7
<b>NON-INCAPACITATING INJURY</b>	12,988	2.9	10,030	3.1	1,487	15.6	1,471	1.3
<b>POSSIBLE INJURY</b>	20,967	4.7	17,722	5.4	1,515	15.9	1,730	1.6
<b>NOT INJURED</b>	408,571	91.3	296,738	90.6	5,378	56.5	106,455	96.3
<b>TOTAL</b>	<b>447,455</b>	<b>100.0</b>	<b>327,345</b>	<b>100.0</b>	<b>9,512</b>	<b>100.0</b>	<b>110,598</b>	<b>100.0</b>

Of the 568 vehicle occupants fatally injured in collisions in 2010 in a position where a safety restraint was available, only 249 were using safety restraints - an overall usage rate of 44% for fatalities.

Note: There were 16,758 crashes involving deployment of front air bags and 1,747 crashes involving side air bag deployment.



# INTERSECTION COLLISIONS

INTERSECTION COLLISIONS	NUMBER	% OF ALL COLLISIONS
ALL REPORTED	32,550	25.5
NONFATAL INJURY	6,773	27.4
FATAL	93	13.4

## SEX OF DRIVER

INTERSECTION COLLISIONS		
SEX	PERCENT IN ALL INTERSECTION COLLISIONS	PERCENT IN FATAL INTERSECTION COLLISIONS
MALE	53.1	71.7
FEMALE	46.9	28.3

ALL COLLISIONS		
SEX	PERCENT IN ALL COLLISIONS	PERCENT IN FATAL COLLISIONS
MALE	55.6	72.3
FEMALE	44.4	27.7

## LIGHT CONDITION

INTERSECTION COLLISIONS		
LIGHT CONDITION	PERCENT IN ALL INTERSECTION COLLISIONS	PERCENT IN FATAL INTERSECTION COLLISIONS
Daylight	76.4	71.0
Dark	19	24.7
Dusk / Dawn	4.57	4.3

ALL COLLISIONS		
LIGHT CONDITION	PERCENT IN ALL COLLISIONS	PERCENT IN FATAL COLLISIONS
Daylight	72.0	58.7
Dark	23.1	35.7
Dusk / Dawn	4.9	5.6

## ROADWAY CONDITION

INTERSECTION COLLISIONS		
ROADWAY CONDITION	PERCENT IN ALL INTERSECTION COLLISIONS	PERCENT IN FATAL INTERSECTION COLLISIONS
Dry	75.9	81.0
Wet	22.0	19.0
Snow/Ice/Slush	2.0	0.0

ALL COLLISIONS		
ROADWAY CONDITION	PERCENT IN ALL COLLISIONS	PERCENT IN FATAL COLLISIONS
Dry	75.5	82.4
Wet	17.0	14.4
Snow/Ice/Slush	7.2	2.6

## WEEKEND COLLISIONS

INTERSECTION COLLISIONS		
	PERCENT IN ALL INTERSECTION COLLISIONS	PERCENT IN FATAL INTERSECTION COLLISIONS
Weekend	21.3	30.1

ALL COLLISIONS		
	PERCENT IN ALL COLLISIONS	PERCENT IN FATAL COLLISIONS
Weekend	22.5	33.0

(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	50,497	39.62	145	20.89
Not Under Proper Control	17,537	13.76	234	33.72
Failed to Yield Right of Way	14,277	11.20	91	13.11
Misjudge Clearance	7,734	6.07	11	1.59
Following Too Close	7,236	5.68	2	0.29
Distraction	6,092	4.78	14	2.02
Too Fast for Conditions	5,824	4.57	34	4.90
Alcohol Involvement	4,735	3.72	129	18.59
Overcorrecting/Oversteering	3,825	3.00	76	10.95
Disregard Traffic Control	3,752	2.94	32	4.61
Turning Improperly	1,894	1.49	1	0.14
Drug Involvement	1,441	1.13	39	5.62
Improper Backing	1,372	1.08	0	0.00
Exceeded Stated Speed Limit	1,317	1.03	85	12.25
Fell Asleep	1,167	0.92	23	3.31
Improper Passing	1,153	0.90	10	1.44
Cell Phone	1,059	0.83	8	1.15
Lost Consciousness/Fainted	654	0.51	6	0.86
Emotional	563	0.44	7	1.01
Fatigue	519	0.41	10	1.44
Sick	317	0.25	4	0.58
Medication	240	0.19	3	0.43
Physical Disability	205	0.16	4	0.58
Weaving in Traffic	186	0.15	3	0.43

# 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.

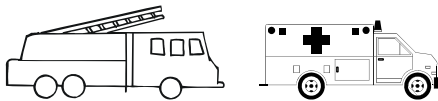
<b>VEHICULAR FACTORS</b>	<b>ALL COLLISIONS</b>	<b>PERCENT OF TOTAL</b>	<b>FATAL COLLISIONS</b>	<b>PERCENT OF TOTAL</b>
Brakes Defective	1,372	1.08	3	0.43
Tire Failure	857	0.67	6	0.87
Steering Failure	345	0.27	0	0.00
Load Securement	304	0.24	0	0.00
Oversized Load on Vehicle	129	0.10	0	0.00
Tow Hitch Defective / Separation of Units	108	0.08	0	0.00
Other Lighting Defective	97	0.08	1	0.14
Headlights Defective	45	0.04	1	0.14
Overweight	24	0.02	0	0.00

<b>ENVIRONMENTAL FACTORS</b>	<b>ALL COLLISIONS</b>	<b>PERCENT OF TOTAL</b>	<b>FATAL COLLISIONS</b>	<b>PERCENT OF TOTAL</b>
Slippery Surface	15,096	11.84	60	8.70
Animals Action	4,949	3.88	7	1.01
View Obstructed / Limited	2,719	2.13	26	3.77
Water Pooling	1,389	1.09	7	1.01
Glare	1,149	0.90	7	1.01
Debris In Roadway	666	0.52	1	0.14
Construction Work Zone	449	0.35	1	0.14
Improperly Parked Vehicle(s)	404	0.32	2	0.29
Shoulders Defective / Drop-off	291	0.23	6	0.87
Hole/Deep Ruts/Bumps	150	0.12	1	0.14
Maintenance / Utility Work Zone	109	0.09	1	0.14
Improper / Non-Working Traffic Controls	70	0.05	0	0.00
Fixed Object(s)	52	0.04	0	0.00

# 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	
<b>TOTAL EMERGENCY VEHICLE COLLISIONS</b>	<b>1,062</b>
<b>FATAL COLLISIONS</b>	<b>0</b>
<b>INJURY COLLISIONS</b>	<b>165</b>
<b>TOTAL KILLED</b>	<b>0</b>
<b>TOTAL INJURED</b>	<b>269</b>



EMERGENCY VEHICLE COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	40	3.77	0	0.00
Cell Phone	11	1.04	0	0.00
Disregard Traffic Control	32	3.01	0	0.00
Distraction	63	5.93	0	0.00
Drug Involvement	10	0.94	0	0.00
Emotional	3	0.28	0	0.00
Exceeded Stated Speed Limit	7	0.66	0	0.00
Failed to Yield Right of Way	126	11.86	0	0.00
Fatigue	1	0.09	0	0.00
Fell Asleep	2	0.19	0	0.00
Following Too Close	26	2.45	0	0.00
Improper Backing	20	1.88	0	0.00
Improper Passing	4	0.38	0	0.00
Inattention	309	29.10	0	0.00
Lost Consciousness/Fainted	2	0.19	0	0.00
Medication	1	0.09	0	0.00
Misjudge Clearance	146	13.75	0	0.00
Not Under Proper Control	100	9.42	0	0.00
Overcorrecting/Oversteering	25	2.35	0	0.00
Physical Disability	0	0.00	0	0.00
Sick	1	0.09	0	0.00
Too Fast for Conditions	29	2.73	0	0.00
Turning Improperly	16	1.51	0	0.00
Weaving in Traffic	1	0.09	0	0.00

COLLISIONS INVOLVING FARM EQUIPMENT	
<b>TOTAL FARM EQUIPMENT COLLISIONS</b>	<b>193</b>
<b>FATAL COLLISIONS</b>	<b>5</b>
<b>INJURY COLLISIONS</b>	<b>34</b>
<b>TOTAL KILLED</b>	<b>5</b>
<b>TOTAL INJURED</b>	<b>59</b>



FARM EQUIPMENT COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	6	3.11	2	40.00
Cell Phone	2	1.04	1	20.00
Disregard Traffic Control	3	1.55	0	0.00
Distraction	9	4.66	1	20.00
Drug Involvement	1	0.52	0	0.00
Emotional	0	0.00	0	0.00
Exceeded Stated Speed Limit	3	1.55	1	20.00
Failed to Yield Right of Way	19	9.84	1	20.00
Fatigue	0	0.00	0	0.00
Fell Asleep	0	0.00	0	0.00
Following Too Close	2	1.04	0	0.00
Improper Backing	2	1.04	0	0.00
Improper Passing	21	10.88	0	0.00
Inattention	81	41.97	3	60.00
Lost Consciousness/Fainted	0	0.00	0	0.00
Medication	0	0.00	0	0.00
Misjudge Clearance	24	12.44	0	0.00
Not Under Proper Control	20	10.36	2	40.00
Overcorrecting/Oversteering	1	0.52	0	0.00
Physical Disability	0	0.00	0	0.00
Sick	0	0.00	0	0.00
Too Fast for Conditions	3	1.55	0	0.00
Turning Improperly	3	1.55	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	848
FATAL COLLISIONS	3
INJURY COLLISIONS	81
TOTAL KILLED	3
TOTAL INJURED	263



SCHOOL BUS COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	6	0.71	0	0.00
Cell Phone	1	0.12	0	0.00
Disregard Traffic Control	19	2.24	0	0.00
Distraction	33	3.89	0	0.00
Drug Involvement	6	0.71	0	0.00
Emotional	2	0.24	1	33.33
Exceeded Stated Speed Limit	3	0.35	0	0.00
Failed to Yield Right of Way	56	6.60	0	0.00
Fatigue	0	0.00	0	0.00
Fell Asleep	2	0.24	0	0.00
Following Too Close	26	3.07	0	0.00
Improper Backing	11	1.30	0	0.00
Improper Passing	8	0.94	0	0.00
Inattention	317	37.38	3	100.00
Lost Consciousness/Fainted	3	0.35	0	0.00
Medication	0	0.00	0	0.00
Misjudge Clearance	237	27.95	0	0.00
Not Under Proper Control	71	8.37	2	66.67
Overcorrecting/Oversteering	6	0.71	0	0.00
Physical Disability	0	0.00	0	0.00
Sick	0	0.00	0	0.00
Too Fast for Conditions	25	2.95	0	0.00
Turning Improperly	14	1.65	0	0.00
Weaving in Traffic	4	0.47	0	0.00

COLLISIONS INVOLVING ELEMENTARY SCHOOL AGE CHILDREN	
TOTAL ELEM. SCHOOL AGE CHILDREN COLLISIONS	9,598
FATAL COLLISIONS	42
INJURY COLLISIONS	2,359
TOTAL KILLED	
ALL AGES	52
6-12 YEARS OF AGE	14
TOTAL INJURED	
ALL AGES	5,100
6-12 YEARS OF AGE	1,688



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	171	1.78	3	7.14
Cell Phone	68	0.71	0	0.00
Disregard Traffic Control	357	3.72	5	11.90
Distraction	612	6.38	2	4.76
Drug Involvement	70	0.73	4	9.52
Emotional	37	0.39	1	2.38
Exceeded Stated Speed Limit	72	0.75	2	4.76
Failed to Yield Right of Way	1,366	14.23	9	21.43
Fatigue	17	0.18	0	0.00
Fell Asleep	38	0.40	0	0.00
Following Too Close	694	7.23	1	2.38
Improper Backing	80	0.83	0	0.00
Improper Passing	89	0.93	0	0.00
Inattention	4,629	48.23	14	33.33
Lost Consciousness/Fainted	34	0.35	0	0.00
Medication	13	0.14	1	2.38
Misjudge Clearance	614	6.40	2	4.76
Not Under Proper Control	1,155	12.03	16	38.10
Overcorrecting/Oversteering	168	1.75	3	7.14
Physical Disability	13	0.14	0	0.00
Sick	11	0.11	0	0.00
Too Fast for Conditions	355	3.70	1	2.38
Turning Improperly	158	1.65	0	0.00
Weaving in Traffic	7	0.07	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 PEDESTRIAN	
COLLISIONS INVOLVING PEDESTRIANS	1,050
FATAL COLLISIONS	57
INJURY COLLISIONS	847
TOTAL KILLED	61
TOTAL INJURED	939



PEDESTRIAN COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	37	3.52	5	8.77
Cell Phone	5	0.48	0	0.00
Disregard Traffic Control	17	1.62	2	3.51
Distraction	35	3.33	0	0.00
Drug Involvement	11	1.05	2	3.51
Emotional	15	1.43	0	0.00
Exceeded Stated Speed Limit	6	0.57	2	3.51
Failed to Yield Right of Way	111	10.57	2	3.51
Fatigue	3	0.29	0	0.00
Fell Asleep	2	0.19	1	1.75
Following Too Close	1	0.10	0	0.00
Improper Backing	3	0.29	0	0.00
Improper Passing	5	0.48	0	0.00
Inattention	306	29.14	8	14.04
Lost Consciousness/Fainted	5	0.48	0	0.00
Medication	2	0.19	0	0.00
Misjudge Clearance	23	2.19	0	0.00
Not Under Proper Control	49	4.67	5	8.77
Overcorrecting/Oversteering	4	0.38	0	0.00
Physical Disability	2	0.19	0	0.00
Sick	1	0.10	0	0.00
Too Fast for Conditions	10	0.95	0	0.00
Turning Improperly	4	0.38	0	0.00
Weaving in Traffic	1	0.10	0	0.00

COLLISIONS INVOLVING BICYCLES	
TOTAL BICYCLE COLLISIONS	470
FATAL COLLISIONS	7
INJURY COLLISIONS	320
TOTAL KILLED	7
TOTAL INJURED	332



BICYCLE COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	3	0.64	2	28.57
Cell Phone	2	0.43	0	0.00
Disregard Traffic Control	4	0.85	0	0.00
Distraction	3	0.64	0	0.00
Drug Involvement	0	0.00	0	0.00
Emotional	0	0.00	0	0.00
Exceeded Stated Speed Limit	2	0.43	0	0.00
Failed to Yield Right of Way	53	11.28	0	0.00
Fatigue	2	0.43	1	14.29
Fell Asleep	1	0.21	1	14.29
Following Too Close	3	0.64	1	14.29
Improper Backing	0	0.00	0	0.00
Improper Passing	6	1.28	0	0.00
Inattention	97	20.64	1	14.29
Lost Consciousness/Fainted	0	0.00	0	0.00
Medication	0	0.00	0	0.00
Misjudge Clearance	9	1.91	0	0.00
Not Under Proper Control	3	0.64	0	0.00
Overcorrecting/Oversteering	0	0.00	0	0.00
Physical Disability	1	0.21	0	0.00
Sick	0	0.00	0	0.00
Too Fast for Conditions	1	0.21	0	0.00
Turning Improperly	2	0.43	0	0.00
Weaving in Traffic	1	0.21	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	145
FATAL COLLISIONS	18
INJURY COLLISIONS	84
TOTAL KILLED	18
ATV	18
HELMET USED	1
TOTAL INJURED (ATV)	125
HELMET USED	3

\* Excluding Private Property



ALL TERRAIN VEHICLES				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	37	25.52	7	38.89
Cell Phone	0	0.00	1	5.56
Disregard Traffic Control	1	0.69	0	0.00
Distraction	2	1.38	1	5.56
Drug Involvement	8	5.52	0	0.00
Emotional	2	1.38	1	5.56
Exceeded Stated Speed Limit	2	1.38	0	0.00
Failed to Yield Right of Way	10	6.90	1	5.56
Fatigue	0	0.00	0	0.00
Fell Asleep	0	0.00	0	0.00
Following Too Close	2	1.38	0	0.00
Improper Backing	2	1.38	0	0.00
Improper Passing	4	2.76	0	0.00
Inattention	42	28.97	4	22.22
Lost Consciousness/Fainted	0	0.00	0	0.00
Medication	0	0.00	0	0.00
Misjudge Clearance	2	1.38	0	0.00
Not Under Proper Control	58	40.00	7	38.89
Overcorrecting/Oversteering	5	3.45	1	5.56
Physical Disability	1	0.69	1	5.56
Sick	0	0.00	0	0.00
Too Fast for Conditions	11	7.59	2	11.11
Turning Improperly	3	2.07	0	0.00
Weaving in Traffic	1	0.69	0	0.00

COLLISIONS INVOLVING MOTORCYCLES	
TOTAL MOTORCYCLES COLLISIONS	1,961
FATAL COLLISIONS	92
INJURY COLLISIONS	1,256
TOTAL KILLED	98
MOTORCYCLIST	97
HELMET USED	37
NO HELMET	60
TOTAL INJURED	1,542



MOTORCYCLE COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	142	7.24	13	14.13
Cell Phone	4	0.20	0	0.00
Disregard Traffic Control	48	2.45	6	6.52
Distraction	50	2.55	1	1.09
Drug Involvement	24	1.22	4	4.35
Emotional	5	0.25	1	1.09
Exceeded Stated Speed Limit	67	3.42	14	15.22
Failed to Yield Right of Way	252	12.85	15	16.30
Fatigue	1	0.05	0	0.00
Fell Asleep	3	0.15	0	0.00
Following Too Close	82	4.18	0	0.00
Improper Backing	15	0.76	0	0.00
Improper Passing	54	2.75	1	1.09
Inattention	635	32.38	22	23.91
Lost Consciousness/Fainted	6	0.31	0	0.00
Medication	1	0.05	0	0.00
Misjudge Clearance	83	4.23	3	3.26
Not Under Proper Control	485	24.73	33	35.87
Overcorrecting/Oversteering	47	2.40	5	5.43
Physical Disability	0	0.00	0	0.00
Sick	2	0.10	0	0.00
Too Fast for Conditions	41	2.09	3	3.26
Turning Improperly	28	1.43	0	0.00
Weaving in Traffic	8	0.41	0	0.00

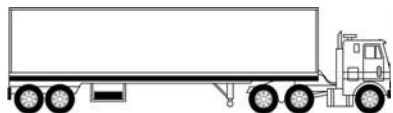


# CONTRIBUTING FACTORS (cont'd)

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*	
<b>TOTAL TRUCK COLLISIONS</b>	<b>8,036</b>
<b>FATAL COLLISIONS</b>	<b>87</b>
<b>INJURY COLLISIONS</b>	<b>1,305</b>
<b>TOTAL KILLED</b>	<b>104</b>
<b>TOTAL INJURED</b>	<b>1,929</b>

\*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	124	1.54	7	8.05
Cell Phone	38	0.47	1	1.15
Disregard Traffic Control	165	2.05	9	10.34
Distraction	252	3.14	2	2.30
Drug Involvement	51	0.63	2	2.30
Emotional	17	0.21	0	0.00
Exceeded Stated Speed Limit	52	0.65	3	3.45
Failed to Yield Right of Way	697	8.67	21	24.14
Fatigue	49	0.61	3	3.45
Fell Asleep	98	1.22	6	6.90
Following Too Close	287	3.57	0	0.00
Improper Backing	156	1.94	0	0.00
Improper Passing	113	1.41	2	2.30
Inattention	3,028	37.68	29	33.33
Lost Consciousness/Fainted	34	0.42	2	2.30
Medication	7	0.09	1	1.15
Misjudge Clearance	1,323	16.46	3	3.45
Not Under Proper Control	1,131	14.07	20	22.99
Overcorrecting/Oversteering	198	2.46	5	5.75
Physical Disability	6	0.07	0	0.00
Sick	13	0.16	0	0.00
Too Fast for Conditions	308	3.83	3	3.45
Turning Improperly	127	1.58	0	0.00
Weaving in Traffic	21	0.26	1	1.15

COLLISIONS INVOLVING TRAINS	
<b>TOTAL TRAIN COLLISIONS</b>	<b>50</b>
<b>FATAL COLLISIONS</b>	<b>8</b>
<b>INJURY COLLISIONS</b>	<b>12</b>
<b>TOTAL KILLED</b>	<b>10</b>
<b>TOTAL INJURED</b>	<b>22</b>



TRAIN COLLISIONS				
DRIVER CONTRIBUTING FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	5	10.00	2	25.00
Cell Phone	1	2.00	1	12.50
Disregard Traffic Control	7	14.00	1	12.50
Distraction	1	2.00	1	12.50
Drug Involvement	0	0.00	0	0.00
Emotional	0	0.00	0	0.00
Exceeded Stated Speed Limit	0	0.00	0	0.00
Failed to Yield Right of Way	13	26.00	2	25.00
Fatigue	1	2.00	0	0.00
Fell Asleep	1	2.00	0	0.00
Following Too Close	0	0.00	0	0.00
Improper Backing	0	0.00	0	0.00
Improper Passing	0	0.00	0	0.00
Inattention	26	52.00	4	50.00
Lost Consciousness/Fainted	0	0.00	0	0.00
Medication	0	0.00	0	0.00
Misjudge Clearance	5	10.00	1	12.50
Not Under Proper Control	4	8.00	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	0	0.00	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>47</b>
<b>TOTAL KILLED</b>	<b>113</b>
<b>TOTAL INJURED</b>	<b>45</b>



MULTIPLE FATALITY COLLISIONS		
DRIVER CONTRIBUTING FACTORS	COLLISIONS	PERCENT OF TOTAL
Alcohol Involvement	7	14.89
Cell Phone	1	2.13
Disregard Traffic Control	3	6.38
Distraction	1	2.13
Drug Involvement	1	2.13
Emotional	0	0.00
Exceeded Stated Speed Limit	12	25.53
Failed to Yield Right of Way	5	10.64
Fatigue	0	0.00
Fell Asleep	1	2.13
Following Too Close	0	0.00
Improper Backing	0	0.00
Improper Passing	2	4.26
Inattention	10	21.28
Lost Consciousness/Fainted	0	0.00
Medication	0	0.00
Misjudge Clearance	2	4.26
Not Under Proper Control	21	44.68
Overcorrecting/Oversteering	10	21.28
Physical Disability	0	0.00
Sick	0	0.00
Too Fast for Conditions	5	10.64
Turning Improperly	0	0.00
Weaving in Traffic	0	0.00



# **COLLISIONS BY COUNTY**

# COLLISIONS BY COUNTY

## 2009 VS 2010

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010
Adair	296	380	8	2	71	72	217	306	8	2	111	119
Allen	479	503	3	2	103	103	373	398	3	2	146	141
Anderson	453	461	3	2	98	75	352	384	3	2	153	121
Ballard	217	192	2	0	51	39	164	153	3	0	77	60
Barren	1,207	1,305	14	15	281	281	912	1,009	17	15	428	449
Bath	155	109	5	5	35	27	115	77	5	6	47	45
Bell	684	703	7	7	142	139	535	557	7	7	232	191
Boone	3,958	4,241	12	9	611	614	3,335	3,618	15	11	876	882
Bourbon	534	490	9	2	91	84	434	404	9	2	135	111
Boyd	1,704	1,792	2	10	332	292	1,370	1,490	2	10	485	437
Boyle	899	906	1	6	162	160	736	740	1	7	219	250
Bracken	73	160	0	0	22	30	51	130	0	0	31	57
Breathitt	299	269	3	8	114	106	182	155	3	8	169	187
Breckinridge	295	295	4	8	93	95	198	192	5	9	153	149
Bullitt	1,717	1,653	9	12	395	368	1,313	1,273	12	12	619	527
Butler	206	183	1	2	36	40	169	141	1	2	52	54
Caldwell	298	366	1	2	53	63	244	301	1	2	82	83
Calloway	1,016	955	12	7	143	123	861	825	12	8	226	187
Campbell	2,714	2,824	3	8	354	385	2,357	2,431	3	8	468	554
Carlisle	116	87	0	3	30	19	86	65	0	3	36	25
Carroll	263	354	6	1	35	77	222	276	7	1	51	111
Carter	620	606	6	8	150	141	464	457	6	9	221	211
Casey	322	344	4	3	78	94	240	247	5	3	111	149
Christian	1,997	1,764	10	14	405	346	1,582	1,404	11	17	564	488
Clark	1,176	986	6	5	189	178	981	803	6	5	256	244
Clay	485	487	8	9	195	180	282	298	9	11	336	314
Clinton	121	148	2	2	16	41	103	105	3	5	26	71
Crittenden	207	229	1	4	56	77	150	148	1	5	71	104
Cumberland	63	78	1	4	9	17	53	57	1	4	11	25
Daviess	3,309	3,253	11	13	506	535	2,792	2,705	11	13	721	780
Edmonson	205	191	3	2	58	49	144	140	3	2	80	60
Elliott	102	30	4	2	26	10	72	18	5	2	35	18
Estill	265	237	0	7	64	46	201	184	0	7	97	65
Fayette	11,986	12,339	22	24	2,198	2,229	9,766	10,086	23	24	3,091	3,149
Fleming	227	211	4	3	42	45	181	163	4	4	60	72
Floyd	1,071	1,044	12	6	366	309	693	729	12	6	568	484
Franklin	1,605	1,594	4	10	277	231	1,324	1,353	4	12	406	349
Fulton	114	153	1	2	22	36	91	115	1	2	29	51
Gallatin	246	273	6	4	52	63	188	206	6	5	78	96
Garrard	398	407	2	2	95	88	301	317	3	2	129	147

# COLLISIONS BY COUNTY

## 2009 VS 2010

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010
Grant	848	811	6	8	178	180	664	623	6	8	263	291
Graves	882	890	7	6	197	184	678	700	7	6	280	254
Grayson	657	679	8	4	162	149	487	526	8	4	249	242
Green	171	172	5	3	38	34	128	135	5	3	56	55
Greenup	745	747	5	5	159	162	581	580	5	5	260	235
Hancock	81	152	4	1	20	41	57	110	4	1	35	59
Hardin	2,829	3,057	19	15	459	503	2,351	2,539	19	18	712	787
Harlan	614	589	14	6	160	160	440	423	14	6	251	253
Harrison	538	584	4	4	117	131	417	449	4	5	171	213
Hart	484	566	6	2	119	111	359	453	6	12	181	175
Henderson	1,624	1,506	10	7	314	283	1,300	1,216	11	9	462	402
Henry	372	355	2	3	86	74	284	278	2	3	118	101
Hickman	37	24	0	1	11	7	26	16	0	1	13	9
Hopkins	1,500	1,409	10	7	231	219	1,259	1,183	10	7	341	321
Jackson	219	222	2	4	61	78	156	140	2	4	95	110
Jefferson	26,957	27,732	52	70	4,789	5,004	22,116	22,658	57	73	7,195	7,600
Jessamine	1,386	1,408	7	4	255	251	1,124	1,153	8	4	363	375
Johnson	536	512	1	3	141	103	394	406	3	3	227	163
Kenton	4,893	5,006	12	9	794	753	4,087	4,244	12	9	1,060	1,040
Knott	377	338	7	5	143	122	227	211	7	6	227	188
Knox	637	734	11	9	185	193	441	532	11	9	301	326
Larue	273	263	3	2	63	52	207	209	3	2	112	88
Laurel	1,608	1,767	14	19	382	419	1,212	1,329	14	19	618	667
Lawrence	287	311	5	5	80	92	202	214	5	5	117	154
Lee	70	50	2	1	16	17	52	32	2	4	41	22
Leslie	130	84	2	2	65	31	63	51	2	2	109	53
Letcher	565	523	6	7	168	156	391	360	6	8	286	249
Lewis	195	150	3	1	56	29	136	120	4	1	99	40
Lincoln	556	510	8	10	116	117	432	383	12	12	188	201
Livingston	212	187	4	2	63	47	145	138	5	2	105	72
Logan	576	533	9	4	127	125	440	404	10	4	177	184
Lyon	234	222	1	2	49	51	184	169	1	2	65	75
McCracken	2,293	2,127	10	13	545	530	1,738	1,584	10	16	822	833
McCreary	295	284	1	1	85	95	209	188	1	1	143	170
McLean	181	189	0	2	48	42	133	145	0	2	67	62
Madison	2,632	2,628	11	18	417	394	2,204	2,216	12	20	610	554
Magoffin	250	239	1	2	82	68	167	169	2	2	119	99
Marion	434	460	4	5	79	90	351	365	4	5	119	139
Marshall	840	806	12	4	225	216	603	586	13	4	326	311
Martin	154	158	0	4	58	51	96	103	0	4	90	76

# COLLISIONS BY COUNTY

## 2009 VS 2010

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010
Mason	707	718	5	3	102	113	600	602	5	3	153	172
Meade	435	491	9	8	147	128	279	355	12	8	229	195
Menifee	95	65	0	2	24	18	71	45	0	2	38	29
Mercer	540	578	5	3	115	130	420	445	5	3	171	187
Metcalfe	227	227	5	3	49	51	173	173	5	3	85	72
Monroe	178	185	1	1	49	49	128	135	1	1	68	82
Montgomery	902	856	12	4	180	180	710	672	13	4	294	253
Morgan	265	220	3	2	85	79	177	139	3	2	129	111
Muhlenberg	822	796	6	5	171	161	645	630	6	7	254	249
Nelson	1,201	1,142	9	11	244	218	948	913	9	12	353	339
Nicholas	119	89	1	1	22	16	96	72	4	1	35	27
Ohio	600	538	4	4	146	133	450	401	5	5	209	209
Oldham	896	921	7	5	165	175	724	741	7	6	237	254
Owen	190	189	4	1	57	60	129	128	4	1	80	84
Owsley	32	17	0	3	6	3	26	11	0	3	6	7
Pendleton	346	374	10	2	77	86	259	286	10	2	133	123
Perry	973	946	8	7	244	226	721	713	9	7	398	347
Pike	1,966	2,009	17	18	555	506	1,394	1,485	17	21	876	862
Powell	308	299	3	2	56	73	249	224	3	2	84	110
Pulaski	1,733	1,679	13	9	362	311	1,358	1,359	13	9	570	487
Robertson	8	12	0	0	3	6	5	6	0	0	7	8
Rockcastle	495	543	5	1	133	126	357	416	5	1	218	207
Rowan	839	782	6	6	178	153	655	623	8	7	261	229
Russell	365	365	5	3	84	86	276	276	6	3	139	155
Scott	1,432	1,409	5	7	312	301	1,115	1,101	5	8	450	461
Shelby	1,169	1,220	9	11	238	250	922	959	9	11	355	368
Simpson	573	584	3	5	132	133	438	446	3	5	183	190
Spencer	242	251	4	3	50	56	188	192	5	3	81	88
Taylor	761	698	1	1	132	112	628	585	1	1	187	172
Todd	206	229	5	4	47	65	154	160	6	4	68	103
Trigg	319	304	4	4	72	64	243	236	5	4	116	101
Trimble	235	170	2	1	51	37	182	132	2	1	80	51
Union	336	340	3	3	94	83	239	254	3	3	139	128
Warren	3,795	3,941	22	10	677	682	3,096	3,249	29	11	1,026	951
Washington	219	195	7	2	41	43	171	150	5	2	62	78
Wayne	314	299	3	2	76	72	235	225	3	2	133	113
Webster	231	280	3	2	55	84	173	194	3	2	82	118
Whitley	926	925	10	9	225	205	691	711	10	9	351	315
Wolfe	210	187	4	3	61	49	145	135	6	3	98	79
Woodford	753	797	7	8	147	168	599	621	8	12	201	217
<b>TOTALS</b>	<b>126,237</b>	<b>127,456</b>	<b>730</b>	<b>694</b>	<b>25,063</b>	<b>24,762</b>	<b>100,444</b>	<b>102,000</b>	<b>791</b>	<b>760</b>	<b>37,398</b>	<b>37,196</b>

# COLLISIONS INVOLVING DRINKING DRIVERS BY COUNTY 2009 VS 2010

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL *		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED *		INJURED	
	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010
Adair	9	18	0	1	6	6	3	11	0	1	7	11
Allen	24	27	0	0	5	8	19	19	0	0	6	9
Anderson	23	15	0	0	8	6	15	9	0	0	13	9
Ballard	14	11	1	0	8	4	5	7	1	0	13	5
Barren	45	43	2	2	20	17	23	24	2	2	25	30
Bath	8	2	1	0	3	1	4	1	1	0	3	1
Bell	21	16	1	1	8	6	12	9	1	1	16	9
Boone	141	151	3	4	39	50	99	97	3	5	58	56
Bourbon	31	27	3	1	9	9	19	17	3	1	12	13
Boyd	49	47	0	3	18	13	31	31	0	3	28	21
Boyle	35	26	1	1	10	8	24	17	1	1	15	14
Bracken	5	8	0	0	3	2	2	6	0	0	6	4
Breathitt	12	15	2	4	8	7	2	4	2	4	12	11
Breckinridge	18	11	3	3	10	4	5	4	4	3	17	5
Bullitt	64	67	3	2	30	25	31	40	4	2	54	37
Butler	8	12	0	0	4	8	4	4	0	0	6	8
Caldwell	11	8	0	1	4	2	7	5	0	1	8	5
Calloway	49	40	4	1	16	18	29	21	4	2	27	26
Campbell	120	125	0	3	32	26	88	96	0	3	47	38
Carlisle	8	6	0	2	6	3	2	1	0	2	6	4
Carroll	22	23	2	0	9	10	11	13	3	0	12	15
Carter	18	13	1	1	5	2	12	10	1	1	7	3
Casey	17	15	0	0	5	7	12	8	0	0	7	10
Christian	96	73	5	3	27	26	64	44	5	3	39	40
Clark	44	33	0	2	16	9	28	22	0	2	20	13
Clay	17	19	1	1	11	7	5	11	1	1	15	11
Clinton	3	10	0	2	3	3	0	5	0	3	6	6
Crittenden	7	7	0	2	2	3	5	2	0	3	4	4
Cumberland	6	5	1	1	3	2	2	2	1	1	5	4
Daviess	135	125	6	1	38	37	91	87	6	1	51	58
Edmonson	6	11	0	0	3	3	3	8	0	0	4	4
Elliott	7	4	3	0	1	3	3	1	4	0	2	6
Estill	16	7	0	0	7	4	9	3	0	0	15	5
Fayette	475	482	5	7	142	144	328	331	6	7	208	212
Fleming	9	13	1	0	2	5	6	8	1	0	5	9
Floyd	58	45	2	0	28	26	28	19	2	0	35	33
Franklin	64	60	1	3	21	16	42	41	1	3	36	24
Fulton	3	5	0	0	2	1	1	4	0	0	2	1
Gallatin	12	21	0	1	3	8	9	12	0	1	4	10
Garrard	8	11	1	0	3	4	4	7	2	0	4	10

\* 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 2009 VS 2010

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL *		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED *		INJURED	
	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010
Grant	25	31	1	1	9	16	15	14	1	1	14	27
Graves	32	41	2	1	19	12	11	28	2	1	28	16
Grayson	32	30	2	0	15	14	15	16	2	0	29	22
Green	7	8	1	0	0	3	6	5	1	0	2	3
Greenup	27	19	3	0	12	5	12	14	3	0	19	6
Hancock	1	11	1	0	0	7	0	4	1	0	0	8
Hardin	86	117	2	3	28	36	56	78	2	3	43	58
Harlan	24	12	3	1	13	6	8	5	3	1	16	8
Harrison	27	25	0	0	17	13	10	12	0	0	25	27
Hart	19	15	1	0	6	8	12	7	1	0	10	8
Henderson	51	44	4	3	16	17	31	24	5	3	22	24
Henry	16	16	1	1	6	9	9	6	1	1	6	12
Hickman	2	4	0	0	0	2	2	2	0	0	0	2
Hopkins	55	44	5	1	16	19	34	24	5	1	21	31
Jackson	12	10	1	0	5	7	6	3	1	0	8	13
Jefferson	935	922	20	22	333	310	582	590	21	23	508	480
Jessamine	61	51	4	1	16	19	41	31	5	1	21	25
Johnson	14	8	0	0	6	3	8	5	0	0	14	3
Kenton	253	222	2	2	50	59	201	161	2	2	82	79
Knott	13	13	3	1	5	6	5	6	3	2	5	8
Knox	18	14	1	2	8	4	9	8	1	2	14	6
Larue	12	12	0	0	6	4	6	8	0	0	12	4
Laurel	46	43	4	4	16	16	26	23	4	4	30	28
Lawrence	18	12	3	1	8	5	7	6	3	1	13	7
Lee	5	3	0	0	2	2	3	1	0	0	4	2
Leslie	4	3	0	1	2	1	2	1	0	1	3	2
Letcher	16	15	0	3	9	8	7	4	0	3	16	12
Lewis	13	8	0	1	4	4	9	3	0	1	8	6
Lincoln	27	20	4	2	11	9	12	9	6	3	23	14
Livingston	16	9	1	0	7	2	8	7	1	0	10	3
Logan	23	24	2	1	12	10	9	13	2	1	15	16
Lyon	17	9	0	0	8	5	9	4	0	0	9	5
McCracken	119	89	1	3	49	38	69	48	1	4	67	53
McCreary	15	15	0	0	4	8	11	7	0	0	8	16
McLean	7	10	0	1	2	2	5	7	0	1	2	2
Madison	117	95	3	6	34	26	80	63	3	7	50	38
Magoffin	12	13	1	0	9	8	2	5	2	0	13	12
Marion	39	43	2	2	18	15	19	26	2	2	25	20
Marshall	49	38	3	3	25	15	21	20	3	3	35	22
Martin	5	2	0	0	4	1	1	1	0	0	4	1

\* 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 2009 VS 2010

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL *		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED *		INJURED	
	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010
Mason	30	28	1	1	11	8	18	19	1	1	12	10
Meade	24	26	3	1	7	12	14	13	3	1	9	17
Menifee	3	2	0	0	2	1	1	1	0	0	6	1
Mercer	20	17	1	0	11	12	8	5	1	0	13	15
Metcalfe	8	5	1	0	3	2	4	3	1	0	5	2
Monroe	5	10	0	0	4	3	1	7	0	0	6	6
Montgomery	43	30	4	1	14	9	25	20	4	1	24	11
Morgan	13	6	0	0	7	3	6	3	0	0	7	5
Muhlenberg	22	26	1	1	11	12	10	13	1	1	15	18
Nelson	72	60	4	6	28	16	40	38	4	7	37	32
Nicholas	4	2	0	0	2	0	2	2	0	0	3	0
Ohio	26	29	2	2	7	17	17	10	3	2	7	32
Oldham	40	44	2	2	12	11	26	31	2	2	17	16
Owen	7	10	1	0	4	8	2	2	1	0	5	9
Owsley	1	3	0	1	1	1	0	1	0	1	1	4
Pendleton	18	10	2	0	5	6	11	4	2	0	11	11
Perry	28	32	0	2	12	14	16	16	0	2	13	20
Pike	99	87	2	3	54	37	43	47	2	3	70	50
Powell	8	7	0	0	2	2	6	5	0	0	3	4
Pulaski	46	42	2	1	12	12	32	29	2	1	19	17
Robertson	1	1	0	0	1	1	0	0	0	0	3	1
Rockcastle	14	18	1	0	5	9	8	9	1	0	6	11
Rowan	26	28	2	1	10	12	14	15	2	2	19	20
Russell	18	13	1	2	8	4	9	7	1	2	13	5
Scott	48	41	2	2	18	12	28	27	2	2	25	19
Shelby	49	46	1	1	13	18	35	27	1	1	19	21
Simpson	22	32	1	1	9	17	12	14	1	1	13	22
Spencer	20	9	0	0	9	4	11	5	0	0	17	5
Taylor	27	24	0	0	5	11	22	13	0	0	9	17
Todd	12	13	1	1	5	6	6	6	1	1	6	15
Trigg	17	16	0	0	9	11	8	5	0	0	12	13
Trimble	9	11	1	0	2	3	6	8	1	0	2	5
Union	14	16	0	2	5	2	9	12	0	2	6	5
Warren	143	138	8	1	49	45	86	92	9	1	71	68
Washington	12	12	2	0	2	5	8	7	2	0	3	6
Wayne	7	9	0	0	3	3	4	6	0	0	6	3
Webster	6	8	1	1	3	4	2	3	1	1	3	6
Whitley	28	29	1	2	6	12	21	15	1	2	10	20
Wolfe	14	8	2	0	7	5	5	3	4	0	10	14
Woodford	46	37	2	1	12	9	32	27	3	1	22	10
<b>TOTALS</b>	<b>5,038</b>	<b>4,762</b>	<b>186</b>	<b>156</b>	<b>1,778</b>	<b>1,676</b>	<b>3,074</b>	<b>2,930</b>	<b>203</b>	<b>167</b>	<b>2,652</b>	<b>2,489</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 1,441 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, 39 were fatal collisions and 602 were injury collisions.

COUNTY	ALL COLLISIONS	FATAL* COLLISIONS	INJURY COLLISIONS	PERSONS* KILLED	PERSONS INJURED
ADAIR	9	1	4	1	13
ALLEN	10	1	6	1	9
ANDERSON	9	0	2	0	4
BALLARD	2	0	1	0	1
BARREN	12	2	4	2	5
BATH	6	2	1	3	1
BELL	21	3	10	3	13
BOONE	35	4	11	5	22
BOURBON	5	0	4	0	6
BOYD	47	3	12	3	21
BOYLE	6	1	0	1	0
BRACKEN	1	0	0	0	0
BREATHITT	13	2	9	2	15
BRECKENRIDGE	5	3	1	3	1
BULLITT	14	4	1	4	1
BUTLER	2	0	1	0	1
CALDWELL	3	0	1	0	1
CALLOWAY	7	1	2	2	2
CAMPBELL	26	2	5	2	7
CARLISLE	4	3	0	3	1
CARROLL	4	1	0	1	0
CARTER	16	5	5	5	10
CASEY	8	1	5	1	9
CHRISTIAN	20	4	5	4	10
CLARK	14	2	6	2	8
CLAY	23	1	15	2	26
CLINTON	1	0	1	0	1
CRITTENDEN	8	2	4	3	6
CUMBERLAND	1	1	0	1	0
DAVISS	19	3	6	3	16
EDMONSON	2	1	0	1	0
ELLIOTT	1	1	0	1	0
ESTILL	5	3	1	3	1
FAYETTE	67	2	23	2	35
FLEMING	7	2	1	3	2
FLOYD	66	1	36	1	53
FRANKLIN	16	5	5	5	9
FULTON	2	0	1	0	1
GALLATIN	2	1	0	1	0

COUNTY	ALL COLLISIONS	FATAL* COLLISIONS	INJURY COLLISIONS	PERSONS* KILLED	PERSONS INJURED
GARRARD	6	1	4	1	9
GRANT	12	2	6	2	16
GRAVES	15	2	7	2	9
GRAYSON	10	1	6	1	11
GREEN	2	1	0	1	0
GREENUP	18	2	9	2	9
HANCOCK	0	0	0	0	0
HARDIN	23	2	6	2	14
HARLAN	19	3	9	3	15
HARRISON	10	2	3	2	3
HART	8	0	5	0	5
HENDERSON	12	0	1	0	1
HENRY	6	1	3	1	4
HICKMAN	1	0	1	0	1
HOPKINS	19	5	8	5	18
JACKSON	3	0	0	0	0
JEFFERSON	140	17	49	17	73
JESSAMINE	19	3	6	3	11
JOHNSON	43	1	18	1	31
KENTON	56	2	19	2	24
KNOTT	18	4	8	5	13
KNOX	22	2	6	2	13
LARUE	3	0	2	0	3
LAUREL	29	4	12	4	27
LAWRENCE	16	3	6	3	9
LEE	4	1	2	2	4
LESLIE	5	1	1	1	2
LETCHER	21	3	6	3	8
LEWIS	2	0	1	0	1
LINCOLN	4	1	2	1	4
LIVINGSTON	7	2	3	2	3
LOGAN	3	1	0	1	0
LYON	1	0	1	0	1
McCRACKEN	17	4	2	7	2
McCREARY	6	0	2	0	4
McLEAN	5	2	3	2	3
MADISON	26	9	5	10	7
MAGOFFIN	16	0	9	0	15
MARION	12	1	5	1	7

\* 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	18	3	7	3	11
MARTIN	10	3	5	3	9
MASON	8	1	3	1	5
MEADE	1	0	0	0	0
MENIFEE	4	0	2	0	2
MERCER	2	1	1	1	2
METCALFE	1	1	0	1	0
MONROE	1	0	0	0	0
MONTGOMERY	22	3	10	3	15
MORGAN	7	2	3	2	5
MUHLENBERG	12	3	3	3	7
NELSON	4	2	2	2	7
NICHOLAS	4	0	1	0	1
OHIO	4	2	1	3	2
OLDHAM	5	2	1	2	1
OWEN	4	1	2	1	4
OWSLEY	2	1	0	1	0
PENDLETON	6	1	4	1	7
PERRY	35	4	11	4	23
PIKE	112	10	50	11	74
POWELL	6	0	2	0	3
PULASKI	27	4	12	4	17

COUNTY	ALL COLLISIONS	FATAL* COLLISIONS	INJURY COLLISIONS	PERSONS* KILLED	PERSONS INJURED
ROBERTSON	0	0	0	0	0
ROCKCASTLE	10	0	4	0	5
ROWAN	13	1	7	1	9
RUSSELL	3	1	1	1	2
SCOTT	9	2	2	3	3
SHELBY	10	1	3	1	4
SIMPSON	8	1	3	1	4
SPENCER	3	1	1	1	3
TAYLOR	3	0	1	0	5
TODD	6	0	3	0	7
TRIGG	2	0	0	0	0
TRIMBLE	1	0	1	0	2
UNION	10	1	4	1	6
WARREN	19	2	4	2	7
WASHINGTON	1	0	1	0	1
WAYNE	3	1	0	1	0
WEBSTER	5	1	1	1	2
WHITLEY	35	2	11	2	15
WOLFE	10	2	6	2	16
WOODFORD	13	4	4	6	6
<b>TOTALS</b>	<b>1,617</b>	<b>215</b>	<b>602</b>	<b>232</b>	<b>983</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	5,234	36	1,154	40	1,730
Pennyrile	5,506	44	1,093	50	1,596
Green River	6,258	32	1,201	35	1,758
Barren River	8,218	46	1,624	57	2,358
Lincoln Trail	6,582	55	1,278	60	2,017
KIPDA	32,302	105	5,964	109	8,989
Northern Kentucky	14,072	42	2,218	45	3,181
Buffalo Trace	1,251	7	223	8	349
Gateway	2,032	19	457	21	667
FIVCO	3,486	30	697	31	1,055
Big Sandy	3,962	33	1,037	36	1,684
Kentucky River	2,414	36	710	41	1,132
Cumberland Valley	5,970	64	1,500	66	2,383
Lake Cumberland	4,447	30	934	33	1,516
Bluegrass	25,722	115	4,672	128	6,781
<b>TOTALS</b>	<b>127,456</b>	<b>694</b>	<b>24,762</b>	<b>760</b>	<b>37,196</b>

# ALCOHOL RELATED COLLISIONS BY AREA DEVELOPMENT DISTRICT

AREA DEVELOPMENT DISTRICT	TOTAL NUMBER REPORTED	TOTAL COLLISIONS REPORTED		NUMBER PERSONS	
		FATAL*	INJURY	KILLED*	INJURED
Purchase	234	10	93	12	129
Pennyrile	205	9	86	10	134
Green River	243	10	86	10	135
Barren River	317	5	121	5	173
Lincoln Trail	311	15	106	16	164
KIPDA	1,115	28	380	29	576
Northern Kentucky	593	11	183	12	245
Buffalo Trace	58	2	20	2	30
Gateway	68	2	26	3	38
FIVCO	95	5	28	5	43
Big Sandy	155	3	75	3	99
Kentucky River	92	12	44	13	73
Cumberland Valley	161	11	67	11	106
Lake Cumberland	159	7	59	8	92
Bluegrass	956	26	302	28	452
<b>TOTALS</b>	<b>4,762</b>	<b>156</b>	<b>1,676</b>	<b>167</b>	<b>2,489</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	66	13	21	17	28
Pennyrile	78	16	28	17	53
Green River	55	9	16	10	30
Barren River	66	9	23	9	31
Lincoln Trail	59	9	23	9	44
KIPDA	179	26	59	26	88
Northern Kentucky	145	14	47	15	80
Buffalo Trace	18	3	5	4	8
Gateway	52	8	23	9	32
FIVCO	98	14	32	14	49
Big Sandy	247	15	118	16	182
Kentucky River	108	18	43	20	81
Cumberland Valley	162	15	67	16	114
Lake Cumberland	63	10	26	10	51
Bluegrass	221	36	71	40	112
<b>TOTALS</b>	<b>1,617</b>	<b>215</b>	<b>602</b>	<b>232</b>	<b>983</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
Pennyrile	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

### 2009 VS 2010

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010
Adair	45	113	0	0	1	0	44	113	0	0	1	0
Allen	101	121	0	0	2	2	99	119	0	0	3	2
Anderson	92	97	0	0	1	2	91	95	0	0	1	2
Ballard	23	26	0	0	0	0	23	26	0	0	0	0
Barren	335	345	0	0	6	9	329	336	0	0	7	9
Bath	16	22	0	1	2	0	14	21	0	1	3	0
Bell	203	165	0	1	10	6	193	158	0	1	10	9
Boone	819	1,004	0	0	33	30	786	974	0	0	42	34
Bourbon	95	74	0	0	3	3	92	71	0	0	3	4
Boyd	330	350	0	0	15	18	315	332	0	0	17	23
Boyle	225	291	0	0	2	5	223	286	0	0	2	5
Bracken	12	16	1	0	1	1	10	15	1	0	1	1
Breathitt	25	42	0	0	1	3	24	39	0	0	1	3
Breckinridge	41	40	0	0	0	0	41	40	0	0	0	0
Bullitt	154	176	0	0	7	12	147	164	0	0	7	14
Butler	26	18	0	0	1	0	25	18	0	0	1	0
Caldwell	79	85	0	0	2	6	77	79	0	0	2	6
Calloway	356	367	0	0	13	10	343	357	0	0	14	10
Campbell	576	585	0	1	15	10	561	574	0	1	17	12
Carlisle	14	7	0	0	0	0	14	7	0	0	0	0
Carroll	41	56	0	0	1	3	40	53	0	0	1	3
Carter	52	81	0	0	4	3	48	78	0	0	6	3
Casey	56	45	0	0	2	2	54	43	0	0	2	3
Christian	240	274	0	0	11	17	229	257	0	0	12	20
Clark	179	241	0	0	0	5	179	236	0	0	0	5
Clay	80	79	0	0	6	4	74	75	0	0	8	4
Clinton	36	14	0	0	0	2	36	12	0	0	0	2
Crittenden	19	23	0	0	0	2	19	21	0	0	0	2
Cumberland	4	20	1	0	0	0	3	20	1	0	0	0
Daviess	894	889	0	0	24	18	870	871	0	0	28	24
Edmonson	21	21	0	0	0	0	21	21	0	0	0	0
Elliott	12	1	0	0	0	0	12	1	0	0	0	0
Estill	32	30	0	0	0	0	32	30	0	0	0	0
Fayette	2,803	2,963	0	0	116	112	2,687	2,851	0	0	132	129
Fleming	75	55	0	0	0	1	75	54	0	0	0	1
Floyd	154	151	0	0	7	8	147	143	0	0	9	9
Franklin	528	558	0	0	15	11	513	547	0	0	17	11
Fulton	17	27	0	0	0	0	17	27	0	0	0	0
Gallatin	20	37	0	0	1	0	19	37	0	0	2	0
Garrard	54	54	0	0	0	0	54	54	0	0	0	0

# COLLISIONS BY COUNTY

## PARKING LOTS / PRIVATE PROPERTY

### 2009 VS 2010

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010
Grant	118	135	1	0	3	5	114	130	1	0	4	6
Graves	86	86	0	0	1	5	85	81	0	0	1	6
Grayson	112	130	0	0	1	7	111	123	0	0	1	8
Green	29	47	0	0	0	0	29	47	0	0	0	0
Greenup	189	180	0	0	3	2	186	178	0	0	3	3
Hancock	18	21	0	0	1	0	17	21	0	0	1	0
Hardin	378	458	0	0	14	25	364	433	0	0	16	26
Harlan	139	145	0	0	2	7	137	138	0	0	3	8
Harrison	91	116	0	0	3	4	88	112	0	0	3	4
Hart	50	63	0	0	1	0	49	63	0	0	1	0
Henderson	386	422	1	0	20	14	365	408	1	0	24	15
Henry	42	38	0	0	1	1	41	37	0	0	1	1
Hickman	6	0	0	0	0	0	6	0	0	0	0	0
Hopkins	469	453	1	0	13	3	455	450	1	0	13	3
Jackson	23	20	0	0	0	0	23	20	0	0	0	0
Jefferson	1,737	1,809	0	2	147	142	1,590	1,665	0	2	171	159
Jessamine	300	318	0	0	13	10	287	308	0	0	14	12
Johnson	194	150	0	0	4	3	190	147	0	0	5	4
Kenton	785	840	0	1	32	25	753	814	0	1	36	33
Knott	72	33	0	0	0	1	72	32	0	0	0	2
Knox	126	126	1	0	6	6	119	120	1	0	6	6
Larue	30	36	0	0	0	0	30	36	0	0	0	0
Laurel	284	391	0	0	4	15	280	376	0	0	5	15
Lawrence	47	71	1	0	2	5	44	66	2	0	3	5
Lee	24	10	0	0	0	2	24	8	0	0	0	2
Leslie	21	11	0	0	1	1	20	10	0	0	2	1
Letcher	107	107	0	0	2	1	105	106	0	0	2	2
Lewis	26	25	0	0	3	3	23	22	0	0	3	3
Lincoln	79	85	0	0	2	2	77	83	0	0	2	2
Livingston	17	17	0	0	1	0	16	17	0	0	1	0
Logan	136	142	1	0	5	5	130	137	1	0	5	8
Lyon	50	44	0	1	2	3	48	40	0	1	3	3
McCracken	273	256	0	0	15	20	258	236	0	0	17	24
McCreary	37	58	0	1	3	3	34	54	0	1	3	3
McLean	25	25	1	0	0	1	24	24	1	0	0	1
Madison	832	889	0	0	20	11	812	878	0	0	23	11
Magoffin	36	42	0	0	1	3	35	39	0	0	1	3
Marion	117	127	0	0	0	2	117	125	0	0	0	2
Marshall	137	145	0	0	1	5	136	140	0	0	2	5
Martin	37	50	0	0	2	2	35	48	0	0	2	2

# COLLISIONS BY COUNTY

## PARKING LOTS / PRIVATE PROPERTY

### 2009 VS 2010

COUNTY	COLLISIONS								PERSONS			
	TOTAL		FATAL		NON-FATAL INJURY		PROPERTY DAMAGE		KILLED		INJURED	
	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010
Mason	151	137	0	0	4	0	147	137	0	0	4	0
Meade	45	89	0	0	2	5	43	84	0	0	2	5
Menifee	15	16	0	0	0	0	15	16	0	0	0	0
Mercer	93	99	0	0	0	5	93	94	0	0	0	6
Metcalfe	34	35	0	0	0	0	34	35	0	0	0	0
Monroe	46	60	0	0	1	0	45	60	0	0	1	0
Montgomery	197	237	0	0	5	8	192	229	0	0	5	11
Morgan	51	59	0	0	2	1	49	58	0	0	2	1
Muhlenberg	213	243	0	0	2	2	211	241	0	0	2	2
Nelson	234	222	0	1	4	4	230	217	0	1	4	4
Nicholas	23	23	0	0	0	0	23	23	0	0	0	0
Ohio	110	118	0	0	3	2	107	116	0	0	3	4
Oldham	53	94	0	0	4	5	49	89	0	0	4	7
Owen	21	13	0	0	0	1	21	12	0	0	0	1
Owsley	2	7	0	0	1	0	1	7	0	0	1	0
Pendleton	51	49	1	0	4	2	46	47	1	0	6	2
Perry	266	232	0	0	6	10	260	222	0	0	7	10
Pike	398	367	0	0	22	13	376	354	0	0	32	16
Powell	58	68	0	0	1	2	57	66	0	0	1	2
Pulaski	505	566	0	0	10	5	495	561	0	0	10	5
Robertson	3	0	0	0	0	0	3	0	0	0	0	0
Rockcastle	83	75	0	0	3	3	80	72	0	0	4	3
Rowan	218	233	0	0	8	4	210	229	0	0	10	5
Russell	106	120	0	0	3	2	103	118	0	0	4	2
Scott	177	137	0	0	12	4	165	133	0	0	13	4
Shelby	179	215	0	0	7	3	172	212	0	0	8	3
Simpson	132	162	0	0	5	2	127	160	0	0	6	3
Spencer	22	22	0	0	0	0	22	22	0	0	0	0
Taylor	201	240	1	0	6	10	194	230	1	0	6	11
Todd	24	36	0	0	1	1	23	35	0	0	1	1
Trigg	60	55	0	0	2	0	58	55	0	0	2	0
Trimble	14	7	0	0	2	0	12	7	0	0	2	0
Union	117	83	0	0	4	3	113	80	0	0	4	3
Warren	622	730	0	0	38	42	584	688	-4	0	43	49
Washington	37	52	0	0	0	2	37	50	4	0	0	2
Wayne	67	91	0	0	2	1	65	90	0	0	2	1
Webster	27	26	0	0	2	1	25	25	0	0	4	1
Whitley	142	177	0	0	2	8	140	169	0	0	3	10
Wolfe	34	35	0	0	1	3	33	32	0	0	1	3
Woodford	143	147	0	0	4	4	139	143	0	0	5	4
<b>TOTALS</b>	<b>21,523</b>	<b>23,061</b>	<b>11</b>	<b>9</b>	<b>804</b>	<b>807</b>	<b>20,708</b>	<b>22,245</b>	<b>12</b>	<b>9</b>	<b>928</b>	<b>919</b>



# TYPES OF COLLISIONS

## PARKING LOTS / PRIVATE PROPERTY



### PARKING LOTS:

Total Collisions: 21,899  
 % of Total Collisions: 94.96%  
 Persons Killed: 8  
 % of Total Fatalities: 88.89%  
 No. of Fatal Collisions: 8  
 % of All Fatal Collisions: 88.89%

### COLLISION WITH MOVING MOTOR VEHICLE:

Total Collisions: 400  
 % of Total Collisions: 1.73%  
 Persons Killed: 1  
 % of Total Fatalities: 8.33%  
 No. of Fatal Collisions: 1  
 % of All Fatal Collisions: 9.09%

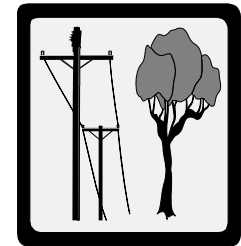


### COLLISION WITH PEDESTRIAN:

Total Collisions: 24  
 % of Total Collisions: 0.10%  
 Persons Killed: 1  
 % of Total Fatalities: 11.11%  
 No. of Fatal Collisions: 1  
 % of All Fatal Collisions: 11.11%

### COLLISION WITH FIXED OBJECT:

Total Collisions: 226  
 % of Total Collisions: 0.98%  
 Persons Killed: 0  
 % of Total Fatalities: 0.00%  
 No. of Fatal Collisions: 0  
 % of All Fatal Collisions: 0.00%

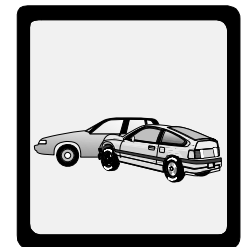


### COLLISION WITH PEDALCYCLIST:

Total Collisions: 2  
 % of Total Collisions: 0.01%  
 Persons Killed: 0  
 % of Total Fatalities: 0.00%  
 No. of Fatal Collisions: 0  
 % of All Fatal Collisions: 0.00%

### PARKED VEHICLE COLLISIONS:

Total Collisions: 468  
 % of Total Collisions: 2.03%  
 Persons Killed: 0  
 % of Total Fatalities: 0.00%  
 No. of Fatal Collisions: 0  
 % of All Fatal Collisions: 0.00%

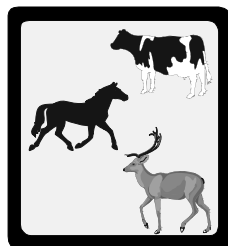
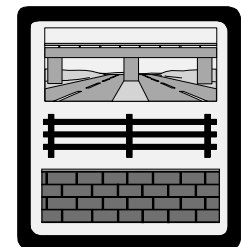


### COLLISION WITH RAILWAY TRAIN:

Total Collisions: 8  
 % of Total Collisions: 0.03%  
 Persons Killed: 0  
 % of Total Fatalities: 0.00%  
 No. of Fatal Collisions: 0  
 % of All Fatal Collisions: 0.00%

### COLLISION WITH OTHER OBJECT:

Total Collisions: 14  
 % of Total Collisions: 0.06%  
 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: 2  
 % of Total Collisions: 0.01%  
 Persons Killed: 0  
 % of Total Fatalities: 0.00%  
 No. of Fatal Collisions: 0  
 % of All Fatal Collisions: 0.00%

### NON-COLLISION (INCLUDING OVERTURNED):

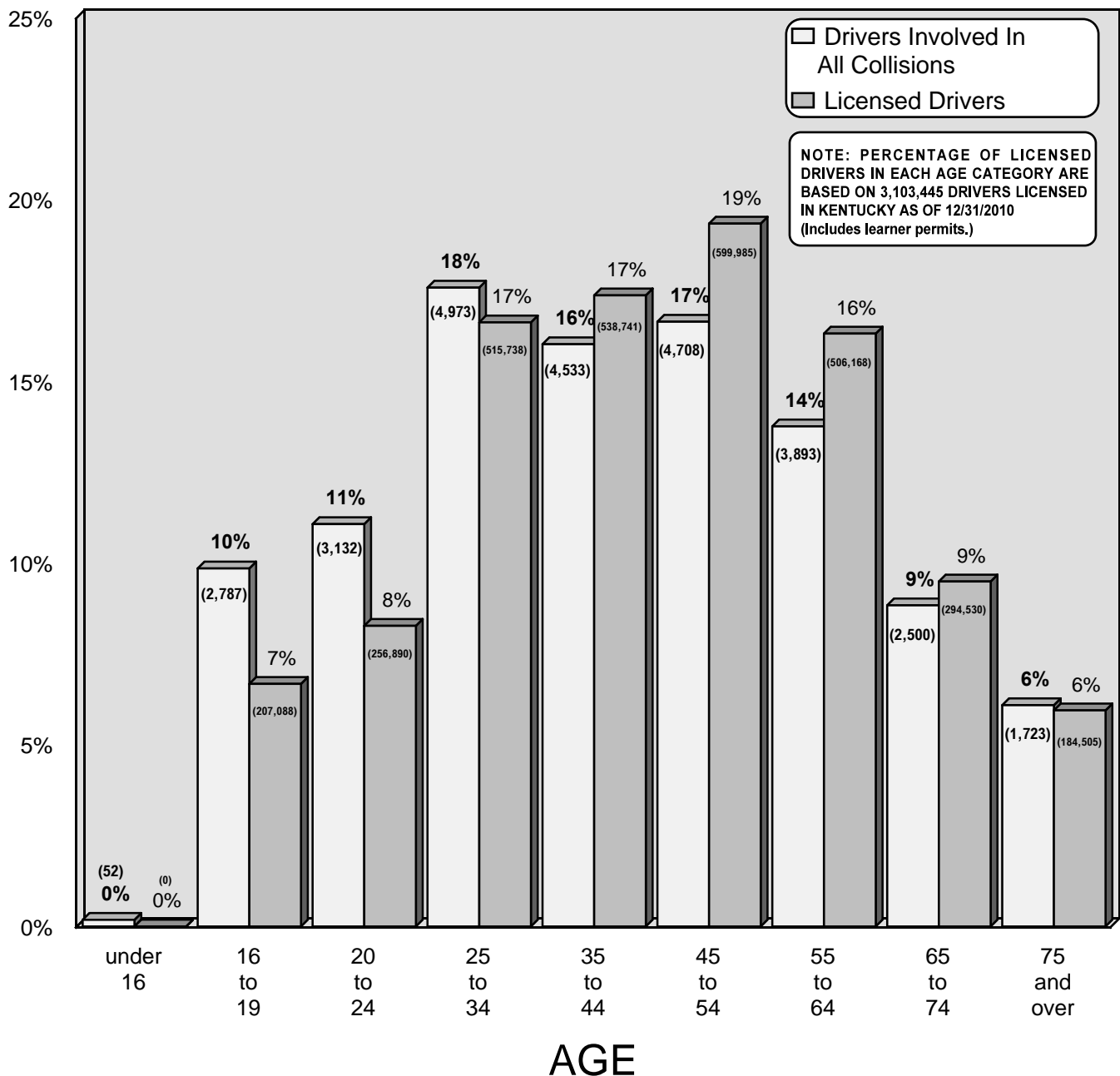
Total Collisions: 19  
 % of Total Collisions: 0.08%  
 Persons Killed: 0  
 % of Total Fatalities: 0.00%  
 No. of Fatal Collisions: 0  
 % of All Fatal Collisions: 0.00%



# AGE OF DRIVER (ALL COLLISIONS)

## PARKING LOTS / PRIVATE PROPERTY

The chart below groups the ages of 28,301 drivers involved in traffic collisions during 2010 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 275 driver's ages which could not be determined. These drivers represent 1.0% 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	11,257	48.81	5	55.56
Misjudge Clearance	4,347	18.85	0	0.00
Improper Backing	1,706	7.40	1	11.11
Not Under Proper Control	1,418	6.15	1	11.11
Failed to Yield Right of Way	930	4.03	0	0.00
Distraction	610	2.65	0	0.00
Alcohol Involvement	531	2.30	0	0.00
Too Fast for Conditions	203	0.88	1	11.11
Drug Involvement	148	0.64	0	0.00
Turning Improperly	141	0.61	0	0.00
Emotional	138	0.60	1	11.11
Cell Phone	93	0.40	0	0.00
Lost Consciousness/Fainted	90	0.39	0	0.00
Following Too Close	85	0.37	0	0.00
Disregard Traffic Control	78	0.34	0	0.00
Sick	61	0.26	0	0.00
Overcorrecting/Oversteering	57	0.25	0	0.00
Improper Passing	53	0.23	0	0.00
Exceeded Stated Speed Limit	49	0.21	0	0.00
Physical Disability	49	0.21	0	0.00
Fatigue	38	0.16	0	0.00
Medication	33	0.14	0	0.00
Fell Asleep	22	0.10	0	0.00
Weaving in Traffic	5	0.02	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	206	0.89	0	0.00
Steering Failure	18	0.08	0	0.00
Tire Failure	18	0.08	0	0.00
Headlights Defective	7	0.03	0	0.00
Oversized Load on Vehicle	6	0.03	0	0.00
Load Securement	5	0.02	0	0.00
Tow Hitch Defective / Separation of Units	4	0.02	0	0.00
Other Lighting Defective	4	0.02	0	0.00
Overweight	2	0.01	0	0.00

ENVIRONMENTAL FACTORS	ALL COLLISIONS	PERCENT OF TOTAL	FATAL COLLISIONS	PERCENT OF TOTAL
Slippery Surface	681	2.95	0	0.00
View Obstructed	521	2.26	3	33.33
Improperly Parked Vehicle	236	1.02	0	0.00
Glare	130	0.56	0	0.00
Hole/Deep Ruts/Bumps	32	0.14	0	0.00
Water Pooling	26	0.11	0	0.00
Animal Action	19	0.08	0	0.00
Roadway Construction	18	0.08	0	0.00
Fixed Object(s)	17	0.07	0	0.00
Debris In Roadway	9	0.04	0	0.00
Shoulder Defective	5	0.02	0	0.00
Maintenance / Utility	3	0.01	0	0.00
Traffic Controls Not Working	3	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 2010 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 4% 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	8	0	0
16	7	0	0
17	22	1	5
18	29	3	10
19	26	2	8
20	22	2	9
21	27	6	22
22-24	64	19	30
25-34	206	46	22
35-44	191	36	19
45-54	193	26	13
55-64	113	13	12
65-74	65	3	5
Over 74	62	0	0
Unknown	6	0	0
TOTALS	1,041	157	15

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

**DURING 2010, THERE WERE 167 PERSONS KILLED IN FATAL COLLISIONS INVOLVING A DRINKING DRIVER. THIS REPRESENTS 22% OF ALL PERSONS KILLED IN TRAFFIC COLLISIONS IN KENTUCKY DURING 2010.**

The chart below shows drinking drivers by age and alcohol test result. Seventy-two (72) 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	1	0	1	0	0
18	3	1	1	1	0
19	2	0	1	0	1
20	2	0	0	2	0
21	6	1	0	4	1
22-24	19	5	2	9	3
25-34	46	6	7	17	16
35-44	36	4	4	17	11
45-54	26	5	3	12	6
55-64	13	1	1	3	8
65-74	3	1	0	1	1
75+	0	0	0	0	0
Unknown	0	0	0	0	0
<b>TOTAL</b>	<b>157</b>	<b>24</b>	<b>20</b>	<b>66</b>	<b>47</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 2010, TWENTY-THREE (23) PERCENT OF THE FATALLY INJURED PEDESTRIANS OVER THE AGE OF 15 WERE DRINKING. THEIR AVERAGE ALCOHOL TEST WAS 14%.**

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	3	0	0
6-10	2	0	0
11-15	4	0	0
16-20	4	1	.03
21-25	4	2	.18
26-30	5	0	.0
31-40	11	3	.27
41-50	8	1	.03
51-60	6	4	.15
61-70	8	2	.17
71-80	5	0	0
81+	1	0	0
UNKNOWN	0	0	0
<b>TOTAL</b>	<b>61</b>	<b>13</b>	<b>.14</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 2010 FARS data strongly confirms both the lifesaving advantage as well as the reduction of serious injury when restraints are in place. FIFTY-SIX (56) PERCENT OF THE VEHICLE OCCUPANTS KILLED DURING 2010 WERE NOT RESTRAINED. FORTY-ONE (41) PERCENT OF THE VEHICLE OCCUPANTS SUFFERING INCAPACITATING INJURY WERE NOT RESTRAINED. TWENTY-NINE (29) 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	40	77	0	252	320	1	690
Incapacitating Injury	2	5	0	106	73	0	186
Non-Incapacitating Injury	1	3	0	155	64	0	223
Possible Injury	4	3	0	111	36	2	156
No Injury	0	0	0	330	22	4	356
Unknown If Injured	0	0	0	0	0	5	5
Injured, Severity Unknown	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>47</b>	<b>88</b>	<b>0</b>	<b>954</b>	<b>515</b>	<b>12</b>	<b>1,616</b>

Of the 1,616 vehicle occupants involved in fatal collisions in 2010, only 954 were using safety restraints - an overall usage rate of 59% in fatal collisions.

## EJECTION

Result	Total Ejection	Partial Ejection	No Ejection	Unknown	TOTAL
Fatal Injury	123	30	416	3	572
Incapacitating Injury	20	1	158	0	179
Non-Incapacitating Injury	11	1	207	0	219
Possible Injury	4	2	143	0	149
No Injury	0	0	355	0	355
Unknown If Injured	0	0	5	0	5
Injured, Severity Unknown	0	0	0	0	0
<b>TOTAL</b>	<b>158</b>	<b>34</b>	<b>1,284</b>	<b>3</b>	<b>1,479</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. EIGHTY (80) 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.

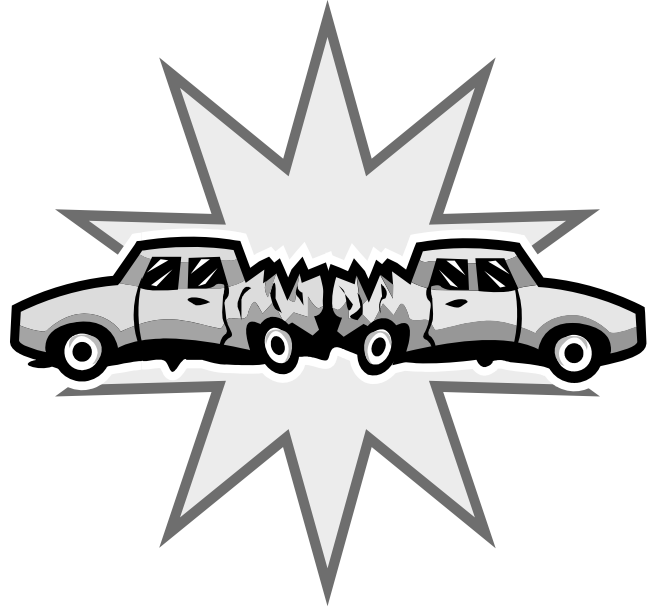
RESULT	Age 4 & Under Total	Child Restraint Used	Lap Belt &/or Harness Used	None Used	Unknown
<b>Killed</b>	<b>12</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>0</b>
<b>Injured (Incapacitating)</b>	<b>8</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>0</b>
<b>Injured (Non-Incapacitating)</b>	<b>14</b>	<b>12</b>	<b>1</b>	<b>1</b>	<b>0</b>
<b>Injured (Possible)</b>	<b>7</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>1</b>
<b>Not Injured</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>	<b>55</b>	<b>42</b>	<b>8</b>	<b>4</b>	<b>1</b>

Of the fifty-five (55) child occupants (four years and under) involved in fatal collisions in 2010, forty-two (42) children were secured in a child restraint. Of the twelve (12) children killed, two (2) had no restraint, four (4) were using a lap belt or shoulder harness, and six (6) were using child safety seat.



# \$2.0 - \$5.6 BILLION

## COST of KENTUCKY TRAFFIC COLLISIONS 2010



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 2010 (occurring on public roads). Costs for 2009 were used since 2010 data was not available.

The **economic cost** (\$2.0 billion) was derived from the following formula:

Cost per	X	Number Reported	=	Estimated Cost
<b>Fatalities</b> @ \$1,290,000	X	760	=	\$980,400,000
<b>Incapacitating Injuries</b> @ \$67,800	X	4,057	=	\$275,064,600
<b>Non-Incapacitating Injuries</b> @ \$21,900	X	12,689	=	\$277,889,100
<b>Possible Injuries</b> @ \$12,400	X	20,450	=	\$253,580,000
<b>Property Damage Only</b> @ \$2,400	X	102,000	=	\$244,800,000
<b>TOTAL ECONOMIC COST ESTIMATE:</b>				<b>\$2,031,733,700</b>

The **comprehensive cost** (\$5.6 billion) was derived from the following formula:

Cost per	X	Number Reported	=	Estimated Cost
<b>Fatalities</b> @ \$4,300,000	X	760	=	\$3,268,000,000
<b>Incapacitating Injuries</b> @ \$216,800	X	4,057	=	\$859,557,600
<b>Non-Incapacitating Injuries</b> @ \$55,300	X	12,689	=	\$701,701,700
<b>Possible Injuries</b> @ \$26,300	X	20,450	=	\$537,835,000
<b>Property Damage Only</b> @ \$2,400	X	102,000	=	\$244,800,000
<b>TOTAL COMPREHENSIVE COST ESTIMATE:</b>				<b>\$5,631,894,300</b>

**KENTUCKY STATE POLICE  
RECORDS BRANCH  
1266 Louisville Road  
Frankfort, Kentucky 40601**

**TO:**

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**Please  
Place  
Stamp**

**Kentucky State Police  
Records Branch / Statistics Section  
1266 Louisville Road  
Frankfort, Kentucky 40601**

## **IMPORTANT NOTICE**

**Here is your copy of the 2010 TRAFFIC COLLISION FACTS report you requested. If you want to receive the 2011 report, please print or type your name and address below and return this form.**

**This card must be returned to ensure receipt of the 2011 publication. Existing mailing lists are being revised to include only those individuals who respond to this notice.**



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