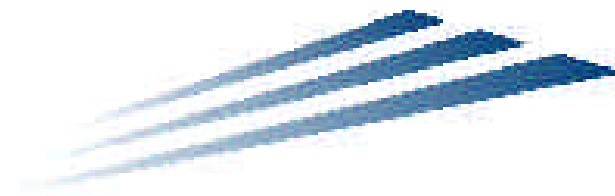


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**ANALYSIS OF TRAFFIC CRASH DATA
IN KENTUCKY (1997-2001)**





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**Research Report
KTC-02-22/KSP2-01-1F**

**ANALYSIS OF TRAFFIC CRASH DATA
IN KENTUCKY (1997 - 2001)**

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Kentucky State Police
Commonwealth of Kentucky

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EXECUTIVE SUMMARY

This report documents an analysis of traffic crash data in Kentucky for the years of 1997 through 2001. A primary objective of this study was to determine average crash statistics for Kentucky highways. Average and critical numbers and rates of crashes were calculated for various types of highways in rural and urban areas. These data can be used in Kentucky's procedure to identify locations that have abnormal rates or numbers of crashes.

The other primary objective of this study was to provide data, which can be used in the preparation of the problem identification portion of Kentucky's Annual Highway Safety Plan. County and city crash statistics were analyzed. A summary of results and recommendations in several problem identification areas is presented. These general areas include alcohol involvement, occupant protection, speed, teenage drivers, pedestrians, bicycles, motorcycles, trucks, and vehicle defects. Other areas included in the analysis for which specific recommendations were not made include drug involvement, school bus crashes, and train crashes.

The police report was changed starting in January 2000. Some of the codes were changed from previous years, which may result in changes in some of the data. Also, the crash data are now contained in the Collision Report Analysis for Safer Highways (CRASH) database. This data base is updated daily so the number of crashes in a given calendar year will continue to change for a substantial time after the end of that year.

1.0 INTRODUCTION

Annual reports have previously been prepared since 1978 dealing with the calculation of statewide traffic crash rates for Kentucky and preparation of the problem identification portion of Kentucky's Annual Highway Safety Plan. This is the 16th report providing a combination of those two report areas. Traffic crash data for the five-year period of 1997 through 2001 were used in the preparation of this report.

Kentucky has a systematic procedure to identify locations that have had abnormal rates or numbers of traffic crashes. However, before that procedure may be utilized, average crash rates and numbers must be determined for appropriate highway categories and for rural and urban areas. A primary objective of this study was to determine average traffic crash statistics for Kentucky. Those statistics may then be used in the high-crash location identification program to identify locations that should be investigated to determine whether changes should be made.

A highway safety program is prepared each year for Kentucky in order to comply with Section 402, Title 23 of the United States Code. This program includes the identification, programming, budgeting, and evaluation of safety projects with the objective of reducing the number and severity of traffic crashes. The second major objective of this report is to provide data that may be included as the problem identification portion of Kentucky's Annual Highway Safety Plan. Results from this report are used to provide benchmark data for that process.

2.0 PROCEDURE

Crash and volume databases were used to obtain traffic crash statistics. Traffic crash data have been maintained in a computer file containing all police-reported crashes. The crash report was changed in 2000 with the data now contained in the Collision Report Analysis for Safer Highways (CRASH) database. The computer files and database were obtained from the Kentucky State Police (KSP). All police agencies in the state are required to send traffic crash reports to the KSP.

Parking lot crashes were not included in the computer file from 1994 through 1999. Parking lot crashes are now contained in the CRASH database but they were excluded from the analysis to maintain consistency with previous years. Crashes coded as occurring on private property were also excluded from the data from 2000 and 2001 so it would be consistent with other reports. All crashes included in the analysis occurred on a public highway. Summaries were prepared

from an analysis of the crash data from a combination of the computer files from 1997 through 1999 and CRASH data base for 2000 and 2001.

Volume data along with other data describing highway characteristics such as number of lanes were obtained from a computer file containing roadway characteristics data for all state-maintained highways. This information is obtained from the Highway Performance Monitoring System (HPMS) file. Data for a five-year period of 1997 through 2001 were obtained from this file. The HPMS file was used to obtain the roadway information needed to compute crash rates as a function of various roadway characteristics such as number of lanes.

A computer program using both crash data from the crash data base and roadway characteristics information from the HPMS file was used to calculate rates for the state-maintained system. A separate computer program was used to obtain additional summaries of various crash variables with this program using all reported traffic crashes (excluding parking lots and private property).

Rates were calculated for: 1) state-maintained roads having known traffic volumes, route numbers, and mileposts and 2) all public streets and highways on and off the state-maintained system. Rates were provided in terms of crashes per 100 million vehicle-miles (C/100 MVM) where traffic volumes could be determined. Population was used as the measure of exposure in instances where traffic volume data were not available to use as the exposure measure. Population data from the 2000 census were used.

In addition to average rates, critical rates and numbers of crashes are required for the high-crash location program. Both types of rates were calculated. The following formula (Equation 1) was used to calculate critical crash rates:

$$C_c = C_a + K(\text{sqrt}(C_a/M)) + 1/(2M) \dots\dots\dots (1)$$

in which

- C_c = critical crash rate,
- C_a = average crash rate,
- sqrt = square root,
- K = constant related to level of statistical significance selected (a probability of 0.995 was used wherein $K = 2.576$), and
- M = exposure (for sections, M was in terms of 100 million vehicle-miles (100 MVM); for spots, M was in terms of million vehicles).

To determine the critical number of crashes, the following formula (Equation 2) was used:

$$N_c = N_a + K(\text{sqrt}(N_a)) + 0.5 \dots\dots\dots (2)$$

in which

N_c = critical number of crashes and
 N_a = average number of crashes.

There are highway safety problem areas (standards) identified by the National Highway Traffic Safety Administration. Problem areas, which have been identified for emphasis, include alcohol and occupant protection. To identify problems in these areas, as well as other "highway standard" areas, the analyses focused on the following:

1. Statewide Crash Rates
2. County Crash Statistics
3. City Crash Statistics
4. Alcohol- and Drug-Related Crashes
5. Occupant Protection
6. Speed-Related Crashes
7. Teenage Drivers
8. Pedestrian Crashes
9. Bicycle Crashes
10. Motorcycle Crashes
11. School Bus Crashes
12. Truck Crashes
13. Train Crashes
14. Vehicle Defects
15. General Trend Analysis

3.0 STATEWIDE CRASH RATES

All of the rates referred to in this section apply to state-maintained roads having known traffic volumes, route numbers, and mileposts. Crash rates are given in terms of crashes per 100 million vehicle-miles (C/100 MVM). Using the HPMS files results in approximately 28,000 miles being included in this category. This compares to over 80,000 miles of public roads in Kentucky. While only approximately 40 percent of the total miles are state-maintained, in 2001 these roads accounted for approximately 90 percent of the vehicle miles traveled and 63

percent of the crashes. The crash rate on the state-maintained system is dramatically less than on the non-state maintained system. A major reason for the higher crash rate on roads not included in the analysis of the state-maintained system is the large number of crashes which occurred on state-maintained roadways but were not provided with the information necessary to be assigned to a specific location on a roadway. These crashes could not be included in the crash total assigned to the state-maintained category. There is a need to improve the procedure for placing route and milepoint information on the crash report, and this need has been addressed as part of the CRASH process started in 2000.

A comparison of 1997 through 2001 crash statistics on streets and highways having known traffic volumes, route numbers, and mileposts is shown in Table 1. The number of crashes on the state-maintained road system was lower in 2001 compared to the average of the previous four years. The decrease in the number of crashes compared with the increase in vehicle-miles driven resulted in a 7.7 percent decrease in the crash rate in 2001 compared to the previous four-year average. The overall crash rate in 2001 was 196 crashes per 100 million vehicle-miles (C/100 MVM). The crash rates for the previous four years varied from 197 to 230 C/100 MVM.

The fatal crash rate showed a decrease (1.5 percent) in 2001 compared to the previous four-year average. The fatal crash rate ranged from 1.44 C/100MVM in 2000 to 1.66 C/100MVM in 1997. The injury crash rate decreased by 12.9 percent in 2001 compared to the previous four-year average. The injury crash rate in 2001 was the lowest of the five years. The injury crash rate has remained fairly stable prior to 2001 with the range from 58 to 69 C/100 MVM between 1997 and 2000 compared to 54 C/100 MVM in 2001.

An analysis of statewide crash rates as a function of several variables, such as highway system classification, was conducted. Also included is information concerning the percentage of crashes occurring for various road conditions and during darkness. Results of this analysis are presented in APPENDIX A.

Crash rates required to implement the high-crash spot-improvement program in Kentucky are average rural and urban rates by highway type. The current classification uses number of lanes with an additional separation of four-lane highways (non-interstate or parkway) into divided and undivided categories. Interstates and parkways are classified separately. Rates for rural highways for the five-year period (1997 through 2001) are listed in Table 2. The rates for urban highways are listed in Table 3. Highways were placed into either the rural or urban category based upon the rural-urban designation denoted on the HPMS file. For sections having a volume, route, and milepost, the rural or urban and highway type classifications were determined. The crash could not be used in this analysis if the

county and route were given but the milepoint was not noted. The number of crashes for each section was then obtained from the crash file. The total crash rate (crashes per 100 million vehicle-miles), as well as injury and fatal crash rates, were calculated.

On rural highways, four-lane undivided highways have the highest rate for all crashes (Table 2) followed closely by two-lane and three-lane highways. Two-lane highways have the highest injury crash rate. The fatal crash rate on two-lane highways is substantially higher than the other road types. Interstates have the lowest rates, followed closely by parkways. The advantage of median-separated highways is shown when comparing all and injury rates for four-lane divided (non-interstate or parkway) and four-lane undivided highways. The overall crash rate for a non-interstate or parkway divided highway (which would not typically have access control) is about 50 percent less than for an undivided highway, although the average daily traffic was fairly similar.

On urban highways, the highest overall crash rates are on four-lane undivided and three-lane highways (Table 3). The same two highway types also have the highest injury crash rates. Urban parkways, four-lane undivided highways, and the small sample of three-lane highways have a slightly higher fatal crash rate than the other types. The lowest overall crash rate and injury crash rate are on interstates and parkways. Interstates have the lowest fatal crash rates.

Tables 2 and 3 show that the overall total crash rate on urban highways is about 48 percent higher than that on rural highways. Also, the injury rate on urban highways is 11 percent greater than that for rural highways. However, the fatal crash rate on urban highways is only 33 percent of that for rural highways.

Variations in crash rates by rural and urban highway-type classifications over the five-year period are listed in Table 4. There was a larger decrease in the overall crash rate in urban areas (15.3 percent) compared to rural areas (0.5 percent). Only a small percentage (about 10 percent) of state-maintained mileage is classified as urban. The rates fluctuated significantly for the highway types which had only a small number of miles. The rates decreased in 2001 for most highway types.

Trends in overall crash rates representative of rural and urban areas are shown graphically in Figure 1 for the five-year period of 1997 through 2001. In addition, trends in crash rates for types of highways are shown for rural highways (Figure 2) and urban highways (Figure 3). These rates apply to state-maintained roads having known traffic volumes, route numbers, and mileposts.

Average rates listed in Tables 2 and 3 may be used to determine critical crash rates for sections of highway of various lengths. In addition to highway sections, Kentucky's high-crash location procedure uses highway "spots", defined as having a length of 0.3 or 0.1 mile. The highway "spot" represents a specific identifiable point on a highway. Statewide crash rates for "spots", by highway-type classification, are listed in Table 5 using 1997 through 2001 data.

The first step in Kentucky's procedure for identifying high-crash locations involves identifying "spots" and sections that have more than the critical numbers of crashes. Then, the crash rates for those locations are compared to critical crash rates. Statewide averages and critical numbers of crashes for 0.3-mile "spots" and one-mile sections by highway-type classification are presented in Table 6 for 1997 through 2001. Critical numbers of crashes, such as those listed in Table 6, are used to establish the "number of crashes" criterion for determining the initial list of potential high-crash locations. For example, seven crashes in this time period would be the critical number of crashes for a 0.3 mile "spot" on a rural, two-lane highway.

The numbers and rates presented in Tables 2, 3, 5, and 6 could be calculated for various numbers of years. A three-year period is used in some analyses. The data shown in those tables were calculated for a three-year period (1999-2001) with the results shown in APPENDIX B. Data for 0.1 mile "spots" are also given.

Critical numbers of crashes for various section lengths were determined for each highway type using Equation 2 on page 3. Results are presented in tables in APPENDIX C. Section lengths up to 20 miles for rural roads and up to 10 miles for urban roads are included. The critical numbers of crashes given in this appendix are for the five-year period of 1997 through 2001.

After the initial list of locations meeting the critical number criterion is compiled, comparisons between crash rates for those locations and critical crash rates are made. Critical rate tables for highway sections for the five-year period of 1997 through 2001 are presented in APPENDIX D. Critical crash rates for the various rural and urban highways were determined as a function of section length and traffic volume (AADT). The rates are listed in units of crashes per 100 MVM and were calculated using Equation 1 on page 2.

Critical rate tables for 0.3 mile "spots" are contained in APPENDIX E. Those rates are presented in units of crashes per million vehicles and also were determined using Equation 1. These rates are for the five-year period of 1997 through 2001.

4.0 COUNTY CRASH STATISTICS

Crash rates were calculated for each county considering 1) only the state-maintained system and 2) all roads within the county. The crash rates are presented in terms of C/100 MVM. Total crash rates were calculated for both categories. Also, using all roads in the county, crash rates were calculated considering fatal crashes only and fatal-or-injury crashes only. Those rates are presented in Table 7. The numbers given represent the crashes reported by the various police agencies in each county. If any agency does not report all of the crashes they investigate, the number of crashes listed in that county will be lower than the actual number that occurred. Total miles traveled in each county were determined by combining miles traveled on roads having known traffic volumes with those having no recorded volumes. The HPMS file was used to tabulate vehicle-miles traveled by county on roads having traffic volume counts. The difference between the statewide total of vehicle-miles traveled on roads having known traffic volumes (provided by the Kentucky Transportation Cabinet) compared to the total estimated miles driven in the state was then distributed to each county. The distribution was based upon the percentage of registered vehicles in each county of the total in the state. The total miles driven in each county was then obtained by adding the known miles driven on the state-maintained highway system and the estimated miles driven on the remaining streets and highways.

To assist in the analysis of county crash statistics, county populations were tabulated (in descending order) and presented in Table 8. The population data used are from the 2000 census. The counties were then grouped into five categories based upon population. Using crashes on all roads in the county, average and critical crash rates were calculated (Table 9). The total crash rate and injury-or-fatal crash rates generally increased as population increased while the fatal crash rate decreased with increased population. The critical crash rate was calculated using Equation 1. Critical rates (in terms of crashes per 100 million vehicle-miles) were calculated for total crashes, fatal crashes, and injury-or-fatal crashes. The numbers of counties having rates above critical in each population category were determined. The total number was 40 for total crashes, 36 for injury-or-fatal crashes, and two for fatal crashes. There has been consistency over the past few years in the counties that have a critical rate. For example, 37 of the 40 counties determined to have a critical crash rate when total crashes were considered were also identified in the most recent report.

Table 10 contains the numbers of crashes and total crash rates for all counties grouped by population category (considering all roads in the county). Counties within each population category are listed in order of descending crash rate, with the critical rates identified with an asterisk.

Crash rates also were calculated by county considering only the state-maintained system. Those rates, grouped by population category, are presented in Table 11. The rankings of counties in Tables 10 and 11 are similar. In two of the five population categories, the same county had the highest rate considering all roads or state-maintained roads. These counties are Pendleton County (in the 10,000 to 14,999 population category) and Harrison County (in the 15,000 to 24,999 population category). In the under 10,000 population category, Trimble County has the highest rate for all roads while Crittenden County has the highest rate for the state-maintained system. In the 25,000 to 50,000 population category, Boyd County has the highest rate for all roads while Boyle County has the highest rate for the state-maintained system. In the over 50,000 population category, Fayette County has the highest rate for all roads while Kenton County has the highest rate for the state-maintained system. When all roads are considered, Fayette County, followed by Daviess, Jefferson, and Harrison Counties, have the highest rates in the state. When only state-maintained roads are considered, Harrison County has the highest rate followed by Boyle, Jessamine, and Pendleton Counties. Carlisle County, which is in the lowest population category, has the lowest rate in the state for all roads. Crash rates were higher when all roads were considered compared to rates for only the state-maintained system.

Using crashes on all roads in each county, injury or fatal crash rates are listed in Table 12 in descending order by population category. Counties having critical rates are identified with an asterisk. Counties having the highest rates for their population categories are Crittenden, Jackson, Breathitt, Perry, and Pike. Breathitt County has the highest rate in the state while Lyon County had the lowest rate.

Similar rates for fatal crashes are listed in Table 13. Counties having the highest rates for their population categories are Cumberland, Lewis, Breathitt, Meade, and Pike. The highest rates are generally for the smallest counties where there would be more driving on two-lane rural roads which have been found to have the highest fatal crash rate (Table 2). Pike and Pulaski Counties are the only counties identified as having a critical fatal crash rate.

A summary of other miscellaneous crash data used in the problem identification process is presented by county in Table 14. This table includes the number of crashes by county by year for the last five years; percent change in the 2001 crash total from the previous four-year average; percentages of crashes involving alcohol, drugs, and speeding; percentage of fatal crashes; percentage of injury-or-fatal crashes; and percentage of drivers using safety belts.

5.0 CITY CRASH STATISTICS

Crash statistics were analyzed for cities by using the 1997 through 2001 crash data. The primary group of cities included in the analysis were those having a population over 2,500 which had a city code in the computer file allowing crash data to be summarized. Incorporated cities in Jefferson County, such as St. Matthews, Jeffersontown, and Shively, were included separately from Louisville. Therefore, for Louisville, only the population of the city area was included instead of a metropolitan area population.

Table 15 is a summary of crash rates for cities included in the 2000 census having populations more than 2,500 where crash data could be related to the city for all five years. Crashes recorded as occurring in the city are included. However, crashes using the city as a reference but recorded as occurring any distance from the city were not included. Table 15 includes 117 cities. There were 10 cities for which no data could be obtained for the state-maintained system. Rates in terms of C/100 MVM are listed for the state-maintained system while rates in terms of crashes per 1,000 population are listed using all streets in the city. The table notes a few cities where no data was available for the state-maintained system. There were also some cities for which only 2000 and 2001 data were available.

Additional statistics are listed in Table 16 for the 116 cities which had five years of crash data available for analysis. Rates for fatal crashes, pedestrian-motor vehicle crashes, bicycle-related motor vehicle crashes, and motorcycle crashes are provided. Those rates are in terms of crashes per 10,000 population. Percentages of crashes involving speeding or alcohol are also listed.

Total crash rates for all cities listed in the 2000 census are summarized in APPENDIX F (Table F-1). A total of 359 cities were listed with a population in the census. Information included for the cities were population, number of crashes, and crash rate (crashes per 1,000 population). However, a code for the city was not available for several small cities and there was no data prior to 2000 in a few other cities. This resulted in data being available for 351 cities in Appendix F.

Crashes on the state-maintained system of highways within a city typically only accounted for a portion of all the crashes occurring within any city. Therefore, total crash rates were used to determine critical crash rates for cities. Crash rates on the state-maintained system, by city and by population category, are shown in Table 17. The cities are listed in descending order by crash rate for each population category. The cities for which a match could not be obtained using a city code listed in the HPMS file would not be listed in Table 17. Lexington, Richmond, Erlanger, Cynthiana, Lancaster, and Dry Ridge have the highest crash rate on state-maintained streets in their population category. Cities in the 1,000 to 2,499-

population category are also included in this table. This table provides data for 165 cities. The average crash rate for all cities in a category is also listed. The overall rates are highest for cities in the population categories between 10,000 and 55,000. The lowest overall rate is for the 1,000 to 2,499 population category. The large range in rates is related in part to the detail of reporting. For example, the higher rate in Lexington compared to Louisville resulted from the Louisville police not reporting the state route number in many cases.

Total crash rates for cities by population category are listed in Table 18. They are tabulated in order of descending crash rates and critical rates are identified with an asterisk. The order of rates for cities is very different in Table 18 compared to Table 17. Twenty cities were identified as having total crash rates above critical. Louisville, Florence, Somerset, London, and Hazard have the highest total crash rates in their respective population ranges. Fatal crash rates, by city and population category, are listed in Table 19. They also are tabulated in order of descending fatal crash rates. Louisville, Paducah, Somerset, Pikeville, and Mount Vernon have the highest fatal crash rates in their respective population ranges with no city identified as having a critical fatal crash rate. Mount Vernon has the highest rate overall.

6.0 ALCOHOL- AND DRUG-RELATED CRASHES

Alcohol- and drug-related crashes continue to be one of the highest priority problem identification areas and considerable emphasis is being placed on programs to impact those problems. In Kentucky, the number of traffic crashes in which alcohol was listed as a contributing factor on the crash report has averaged about 5,743 per year for the past five years. Alcohol-related fatalities have averaged 206 per year during the past five years (using Fatal Analysis Reporting System data). If the cost of an average motor-vehicle crash is used, the estimated annual cost of alcohol-related crashes in Kentucky is in the range of \$83 to \$231 million depending on the source of the crash cost estimates (economic cost or comprehensive cost from the National Safety Council).

The number of alcohol-related crashes has generally decreased over the past several years. In the early 1980's, the annual number of alcohol crashes was over 10,000. In 1984, there were 9,007 alcohol-related crashes (6.6 percent of all crashes). This number decreased to the relatively constant level of from approximately 7,700 to 8,100 from 1985 through 1990. There was then a gradual reduction in alcohol-related crashes to a low of 5,995 in 1994. The first yearly increase since 1990 occurred in 1995 (to 6,163). The number of alcohol-related crashes decreased to 6,150 in 1996, 6,070 in 1997, and 5,222 in 1998 with a slight increase to 5,441 in 1999 and a larger increase in 2000 to 6,127. The 2001 total of 5,853 is a 2.4 percent increase compared

to the previous four-year average. The number in 1998 was the lowest number since this trend analysis was started in 1978. Alcohol-related crashes represented 4.4 percent of all crashes during the latest five-year period. The number of alcohol-related fatalities in 2001 (172) decreased by 19.7 percent over the 1996 through 1999 average (214). The number in 2001 was the lowest in the five-year period and continued the decreasing trend over the past several years.

To identify alcohol-related crash problem areas, percentages of crashes involving alcohol were summarized for counties and cities as shown in Tables 20 and 21, respectively. In Table 20, the number and percentage of crashes involving alcohol were determined by considering all drivers and those under 21 years of age. This allowed a separate analysis for young drivers. The counties are listed by county population group in order of descending percentages of alcohol crashes for all drivers. Counties in each population category having the highest percentage of crashes involving alcohol, considering all drivers, are Robertson, Magoffin, Marion, Meade, and Pike.

The information provided in Table 20 also may be used to determine the counties that have the highest percentages of crashes involving alcohol for young drivers by county population category. The counties identified as having the highest percentages of alcohol-related crashes, considering only young drivers, were not typically the same as those identified when all drivers were considered. For 16 through 20 years of age drivers, the county in each population category having the highest percentage of crashes involving alcohol are Menifee, Magoffin, Breathitt, Floyd, and Madison.

Table 21 is a summary of number and percentage of crashes involving alcohol for cities. For each population category, cities having the highest percentages of crashes involving alcohol are Lexington, Richmond, Newport, Dayton, and Park Hills.

Additional analyses were performed to show the number and rate of alcohol convictions by county (Table 22). Rates are in terms of convictions per 1,000 licensed drivers and convictions per alcohol-related crash. Five years of conviction data (1997 through 2001) were used in the analysis. The conviction data were obtained from driving records maintained by the Division of Drivers Licensing in the Transportation Cabinet. Those same rates are presented in Table 23 with counties grouped by population ranges and rates are listed in order of descending percentages. Counties in each population group having the lowest rates of alcohol convictions per 1,000 licensed drivers are Robertson, Edmonson, Lincoln, Oldham, and Jefferson. Counties having the lowest rates of alcohol convictions per alcohol-related crash are Nicholas, Owen, Marion, Letcher, and Jefferson. Counties having low rates for either convictions per 1,000 licensed drivers or convictions per alcohol-

related crash may be candidates for increased enforcement or other special programs (especially if they have a high percentage of alcohol-related crashes). Data in Table 22 (which do not include data for DUI convictions where the county was not specified) show that, statewide, the number of alcohol convictions has remained fairly constant from a low of slightly over 30,000 in 1996 to a high of almost 33,000 in 1998. The number of alcohol convictions in 2001 was slightly lower (4.0 percent) than the average of the previous four years.

A comparison was also made between the total alcohol arrests and total alcohol convictions, by county, for the five years of 1997 through 2001 (Table 24). The arrest data for "driving under the influence" was obtained from the Administrative Office of the Courts (AOC). The statewide percentage of alcohol convictions per arrest over these five years was 69.5 percent. The percentages varied from a low of 48.1 percent in Clay County to a high of 86.4 percent in Grant County. The percentages would be affected by the overlapping effects of arrests being made and convictions being prosecuted in different calendar years. Eleven counties have a conviction percentage of 80 percent or more. The highest rates, in descending order, were found in Grant, Mercer, Fleming, Clark, Livingston, Rowan, Hopkins, Fayette, Henderson, Lewis, and Union counties. Eight counties have a conviction rate under 60 percent. The lowest rates, in descending order, were found in Carter, Pulaski, Pike, Gallatin, Whitley, Leslie, Owsley, and Clay counties.

The counties are grouped by population category and are placed in decreasing order of conviction percentage in Table 25. The average conviction percentage did not vary substantially by population category with a range of from 69.4 to 71.5 percent. Counties having the highest conviction percentages in the various population categories are Livingston, Fleming, Grant, Clark, and Fayette. Counties having the lowest conviction percentages for the various population categories are Owsley, Leslie, Clay, Whitley, and Pike.

A drunk-driving offense may be reduced to a charge of reckless driving. This could occur when a person is arrested for drunk driving because of erratic driving behavior, and then field sobriety or BAC tests fail to confirm the drunk-driving charge. In addition, the severity of the penalty for drunk driving could result in a reduction of the drunk-driving charge to reckless driving. For those reasons, it was determined that a summary of reckless driving convictions would be beneficial. Numbers of reckless driving convictions and the rate of convictions per 1,000 licensed drivers for each county are presented in Table 26. In the time period of 1997 through 2001, the highest number of convictions was in 1997. There has been a decrease in the number of reckless driving convictions. The number in 2001 was a 23.0 percent decrease from the average number in the previous four years. The highest rates (convictions per 1,000 licensed drivers) occurred in Lyon, Gallatin, and Clinton Counties. The lowest rates are in Spencer, Oldham, and Trimble Counties.

Drugs continue to be listed as a contributing factor in a relatively small percentage of all crashes. However, the number of drug-related crashes increased dramatically in 2001 (38.1 percent) compared to the 1999 and 2000 average. The 1999, 2000, and 2001 data were the only available data that included follow-up studies of drivers from FARS. Only about 500 drug-related crashes had been reported prior to 1999 with the number increasing to 990 in 2000 and 977 in 2001. The number of drug-related injury crashes increased by 68.1 percent in 2001 compared to the previous four-year average. The number of drug-related fatal crashes increased by 3.7 percent in 2001 compared to the two-year average of 1999 and 2000. There were 127 fatal drug-related crashes in 2001 compared to no more than 15 in previous years when the FARS data were not included in the analysis.

Percentages of crashes involving drugs (as noted by the investigating officer) by county and population category are presented in Table 27. Counties having the highest percentages of drug-related crashes by population category are Nicholas, Martin, Johnson, Knox, and Pike. The data in Table 27 show most of the counties with the highest percentages are in southeastern Kentucky. The highest percentages of this type of crash are in Martin, Johnson, Leslie, Magoffin, and Clay counties.

Another summary was prepared to show percentages of crashes involving drugs by city population categories (Table 28). Within each population category, cities having the highest percentages of drug-related crashes were Lexington, Owensboro and Bowling Green and Paducah and Richmond, Middlesboro, Williamsburg, and Barbourville.

7.0 OCCUPANT PROTECTION

The percentages of drivers of passenger cars involved in traffic crashes who were reported as wearing safety belts were listed by county in Table 14. Those percentages are listed in descending order by county population category in Table 29. Those percentages are for the five-year period of 1997 through 2001. The rates varied from a high of 95.3 percent in Fayette County to a low of 77.0 percent in Metcalfe County. Observational surveys have been conducted across the state for several years and have shown significantly lower rates than that reported in the crash data. The data in Table 29 can be used to rank counties but cannot be used for absolute percentages since they are substantially higher than observed levels. Considering the five-year study period, 35 counties had rates over 90 percent while only 10 had a rate under 80 percent.

It should be noted that a statewide safety belt law was passed with an effective date in July 1994. Prior to the statewide law, local ordinances had been

enacted by several cities and counties. The first such ordinances were enacted in Fayette County effective July 1, 1990 and in the city of Louisville effective July 1, 1991. Similar ordinances were adopted in Jefferson County, Murray, Kenton County, Bowling Green, Corbin, Bardstown, and Midway. Observational surveys conducted since enactment of the local ordinances and statewide law have demonstrated their effectiveness in increasing usage rates.

Even though a statewide safety belt law has been passed, there is a need for continued promotion and enforcement of the law. Counties having potential for intensive promotional campaigns are identified by an asterisk in Table 29. Those counties were selected on the basis of their safety belt usage rate, crash rates, and location in the state. Counties having low usage rates were identified with the criterion of selecting one county from within each of the 16 Kentucky State Police Posts' areas of jurisdiction. When possible, an attempt was made to select counties having high crash rates (either total crash rate or injury or fatal crash rate). Also, an attempt was made to select counties that had not been identified in the past couple of years.

The variances of safety belt usage rate reported by passenger car drivers involved in traffic crashes, by year, from 1997 through 2001 are presented in Table 30 along with the relationship between county population and safety belt usage rate. The reported percentage using safety belts has increased slightly from 1997 through 2001. The annual increase had been decreasing prior to 1994 when there was an increase of almost 14 percentage points from the previous year. This large increase corresponded with the enactment of the statewide safety belt law. It should be noted that the usage rate computed using crash data has been substantially higher than determined from observational surveys. For example, the statewide observational survey for 2001 resulted in a driver usage rate of 62 percent compared to the 93 percent reflected in the crash data. This table also shows the higher usage percentages for counties having over 50,000 population. Counties in the over 50,000 population category had a usage rate about 8 percent higher than for counties in the under 10,000 population category. This difference has been found to be higher in the observation survey.

Safety belts are recognized as an effective method of reducing the severity of injuries in traffic crashes. This is confirmed by data presented in Table 31. This table shows that, when a driver of a motor vehicle is wearing a safety belt at the time of an crash, the chance of being fatally injured is reduced by about 95 percent compared to not wearing a safety belt. Also, the chance of receiving an incapacitating injury is reduced by 80 percent and the chance of receiving a non-incapacitating injury is reduced by 68 percent. Safety belts will greatly decrease the possibility of injury in crashes involving large deceleration forces, but some injury or complaint of soreness or discomfort may persist. In many instances, use of seat

belts will reduce a severe injury to a less severe injury. The category of "possible injury", which involves a complaint of pain without visible signs of injury, decreased only 37 percent (from 11.32 percent for drivers not wearing safety belts to 7.18 percent for drivers wearing safety belts). The chance of receiving either a fatal or incapacitating injury was reduced by 83 percent. These percentages are high when compared to national statistics concerning the effectiveness of safety belts in reducing fatal or serious injuries. The reason would probably be related to the over reporting of seat belt usage (as shown in Table 30). This would occur more often for drivers who were not injured so there was no physical evidence of whether they were wearing a seat belt.

The change in crash severity for drivers wearing and not wearing a safety belt is presented in Table 32 for the years 1997 through 2001. The reduction in severity from the use of safety belts has remained consistent.

Potential savings associated with increased safety belt usage were estimated and are shown in Table 33. This table lists the annual potential reduction in the number of fatalities, serious injuries (those listed as incapacitating on the crash report), and the associated crash cost savings resulting from that reduction. Those savings are given for driver usage rates from 70 to 90 percent. To obtain these results, safety belt usage statistics from 1997 through 2001 were used along with an estimate of the economic cost of traffic crashes provided by the National Safety Council (as shown in the footnote in Table 33). The actual number of fatalities and incapacitating injuries for 1997 through 2001 were used along with the average usage rate over this time period. Also used was the reduction associated with safety belt usage of 95 percent for fatalities and 80 percent for incapacitating injuries. Crash cost estimates were \$1,000,000 for a fatality and \$47,900 for an incapacitating injury. For example, if 70 percent of all drivers involved in crashes in Kentucky wore safety belts, there would be a potential annual reduction of about 123 fatalities and a potential annual reduction in the cost of fatalities and serious injuries of approximately 166 million dollars.

A summary of usage and effectiveness of child safety seats for children under the age of four who were involved in traffic crashes is presented in Table 34. Data are for 1997 through 2001. Age categories in the crash file governed the age category that was used. Most children three years of age or younger would be placed in a child safety seat rather than a seat belt or harness. However, many were coded as wearing a safety belt, so the categories of restraint used were 1) none, 2) safety belt or harness, 3) child safety seat, and 4) any restraint.

Of the 43 fatalities (children age three and under) occurring during the study period, 23 involved use of a restraint. The use of a restraint in over one-half of the fatalities would be related to the very high usage rate and possibly to improper

usage. Also, of 499 incapacitating injuries, 365 involved use of a restraint. A better measure of effectiveness would be the percentage sustaining a specific injury. This analysis revealed the percentages of fatalities and incapacitating and non-incapacitating injuries were much lower for children who were in a child safety seat or safety belt compared to those using no restraint. Comparison of the "any restraint" and "none" categories revealed there was a 93-percent reduction in fatalities for children in restraints, an 84-percent reduction in incapacitating injuries, a 77-percent reduction in non-incapacitating injuries, and a 56-percent reduction in possible injuries.

An analysis of the percentage of children in restraints revealed the percentage was higher in the rear seat than in the front seat. A comparison of percent usage by year shows a steady increase in the usage rate. The most recent usage rate using the crash data was 96 percent in 2001. This compares to the usage rate of 89 percent found in the 2001 observational survey.

8.0 SPEED-RELATED CRASHES

Speed is one of the most common contributing factors in total crashes and fatal crashes. Speed-related crashes had remained fairly constant at slightly over 10,000 from 1995 through 1997 before decreasing to slightly over 9,000 in 1998 and 1999. The number of speed-related crashes in 2001 is the lowest it has been in the 5-year period and has decreased by 13.2 percent in 2001 compared to the previous four-year average. For the five-year period, speed-related crashes represented 7.1 percent of all crashes, 11.1 percent of injury crashes, and 24.6 percent of fatal crashes. The number of speed-related fatal crashes decreased by 20.5 percent in 2001 compared to the previous four-year average. The number of speed-related fatal crashes ranged from a high of 230 in 1997 to a low of 154 in 2000 and 2001. The number of speed-related injury crashes decreased by 22.9 percent in 2001 compared to the previous four years. The number of speed-related injury crashes ranged from a high of 4,488 in 1997 to a low of 3,122 in 2001.

As a means of analyzing speed-related crashes, crashes having "unsafe speed" coded as a contributing factor were summarized by county and population category in Table 35. When arranged in order of decreasing percentages of speed-related crashes, those counties having the highest percentages in each population category are Menifee, Owen, Lincoln, Knox, and Pike. There were several counties having a high percentage of speed-related crashes in the southeastern section of the state. A similar summary of crashes involving unsafe speeds for cities was prepared and is presented in Table 36. Those cities having the highest percentages in each population category are Lexington, Hopkinsville, Erlanger, Villa Hills, and Park Hills.

In addition to crash analysis, the other major area of analysis for unsafe speed was speed convictions. Areas having large percentages of crashes involving speeding and low conviction rates are candidates for increased enforcement. Table 37 presents a summary of speeding convictions by county. Numbers of speed convictions, speed convictions per 1,000 licensed drivers, and speeding convictions per speed-related crash are included. The number of speeding convictions for the entire state ranged from 84,961 in 2001 to 103,126 in 1999.

To assist in identifying areas having the potential for increased enforcement, Table 38 was prepared with speeding conviction rates listed in descending order by county population categories. Within each population category, those counties having the lowest speeding conviction rates per 1,000 licensed drivers are Elliott, Martin, Wayne, Letcher, and Pike. The counties identified as having the lowest rates of speeding convictions per speed-related crash are Elliott, Martin, Wayne, Harlan, and Pike. There was a predominance of counties having high percentages of speed-related crashes and low rates of convictions in the southeastern section of Kentucky.

The percentage of vehicles exceeding the 55-mph speed limit was monitored and reported by the Kentucky Department of Highways on a quarterly basis from 1978 through 1994. This requirement was eliminated with federal legislation passed in 1995 which changed speed limit requirements. The speed monitoring program was then ended. As part of a 1997 study of Kentucky speed limits, moving speed data were taken on various highway types. Summary of that data for cars and trucks are given in Tables 39 and 40, respectively. The average and 85th percentile speeds are given along with the percent over the current speed limit. The data show the speeds for trucks are less than that for cars and a large percentile of drivers exceed the posted speed limit. The report recommended slight increases in speed limits on some types of roads with the speed limit for cars 5 mph higher than for trucks on some roads. For example, the recommended speed limits on rural interstates and four lane parkways were 70 mph for cars and 65 mph for trucks. Speed limits of 60 mph for cars and 55 mph for trucks were recommended on two lane parkways and rural two lane roads with a full width shoulder.

9.0 TEENAGE DRIVERS

A separate analysis was conducted to determine the frequency of crashes involving teenage drivers. A review of driver records show that teenage drivers account for approximately 6.1 percent of licensed drivers in Kentucky. However, crash data show that teenage drivers are involved in a much higher percentage of traffic crashes. Using 2001 data, it was found that teenage drivers were involved in

about 21 percent of all crashes, 23 percent of injury crashes, and 18 percent of fatal crashes. Teenage drivers (including drivers with a learner permit) are over represented by a factor of 3.4 in all crashes, 3.8 in injury crashes, and 3.0 in fatal crashes.

The involvement rate of teenage drivers compared to all drivers in total and fatal crashes was analyzed (using 2001 data). Considering all crashes, the rate was 46 crashes per 1,000 drivers for all drivers compared to 173 crashes per 1,000 drivers for teenage drivers. Considering fatal crashes, the rate was 27 fatal crashes per 100,000 drivers for all drivers compared to 80 fatal crashes per 100,000 teenage drivers. These rates again show the over representation of teenage drivers in both total and fatal crashes.

10.0 GENERAL CRASH STATISTICS

Several types of general statistics were developed for use in analyses of specific problem areas. Included were crash trends over a five-year period and several types of statistics for crashes involving pedestrians, bicycles, motorcycles, school buses, trucks, and trains.

10.1 CRASH TREND ANALYSIS

An analysis of crash trends over the five-year period is summarized in Table 41. The crashes in 2001 were compared to an average of the preceding four years (1997-2000). There was a decrease in total crashes (1.2 percent) when comparing 2001 to the previous four years. It should be noted that crashes in parking lots were not included in the analysis.

The highest number of crashes occurred in 2000 (135,079) with the lowest number occurring in 1998 (125,698). The number in 1998 was affected by incomplete data submitted from Jefferson County at the time of data analysis. When the subsequent reports are considered, the number of crashes in 1998 was very similar to the other years. This did not affect the number of reported fatal crashes in 1998. The number of fatal crashes and fatalities in 2001 decreased compared to the previous four-year average. The number of fatal crashes decreased by 5.0 percent while the number of fatalities decreased by 3.3 percent. The number of fatalities ranged from 819 in 1999 to 869 in 1998. The number of injury crashes and injuries in 2001 was lower than the previous four-year average. There was a 7.2 percent decrease in injury crashes with a 8.1 percent decrease in injuries. The number of injuries varied from 49,919 in 2001 to 56,342 in 1997.

Vehicle-miles traveled has generally increased over the five-year period. However the vehicle miles traveled has decreased slightly in 2001 by 0.5 percent.

There were decreases in the fatal crash rate (3.4 percent) and fatality crash rate (2.1 percent). The total crash rate varied from a low of 270 C/100 MVM in 1998 to 299 C/100 MVM in 1997. The fatality crash rate in 1999 had the lowest rate in this five-year period. There has been a downward trend in the fatality crash rate over the past several years.

Trends in the number of specific types of crashes also are presented in Table 41. Those trends are discussed in the section dealing with that crash category.

There was a total of 657,344 crashes in the five-year period, of which 3,770 (0.6 percent) were fatal crashes and 174,646 (26.6 percent) were injury crashes. Those crashes resulted in 4,219 fatalities and 267,293 injuries. There is a large range used when estimating crash costs. Using National Safety Council estimates of motor vehicle crash cost, considering economic or comprehensive costs, results in an estimate for 2001 of 1.9 to 5.3 billion dollars for the cost of Kentucky traffic crashes or an average cost of \$14,500 to \$40,600 per crash.

Additional general statistics compiled by county for crashes involving pedestrians, bicycles, motorcycles, school buses, and trucks are included in Table 42. Numbers of crashes and average annual crashes per 10,000 population were included.

10.2 PEDESTRIAN CRASHES

The number of pedestrian crashes had a large decrease of 13.3 percent in 2001 compared to the period from 1997 through 2000. The number of crashes has remained fairly constant from 1996 through 2000 with a range of from 1,077 to 1,190. Pedestrian collisions are a severe type of crash. In 2001, pedestrian crashes accounted for only 0.8 percent of all crashes but 2.6 percent of injury crashes and 7.0 percent of fatal crashes. The number of injury crashes decreased by 14.5 percent in 2001 while the number of fatal crashes decreased by 9.4 percent in 2001 compared to the 1997 through 2000 average. Injury crashes ranged from 842 in 2001 to 1,057 in 1997 while fatal crashes ranged from 52 in 2000 to 65 in 1998.

A summary of pedestrian crash statistics by county and population category is presented in Table 43. Numbers of crashes and annual crash rates per 10,000 population are included. From the listing of crash rates in descending order, the following counties have the highest rates in each population category: Robertson, Todd, Marion, Henderson, and Kenton. A similar analysis was performed for pedestrian crashes by city and population category. Results are summarized in Table 44 and the following cities have the highest rates in their respective population categories: Louisville, Covington, Newport, Pikeville, and Springfield. Newport and Covington had substantially higher rates than any other city.

10.3 BICYCLE CRASHES

Numbers and rates of motor-vehicle crashes involving bicycles by county are listed in Table 45. Counties were grouped by population category. The counties having the highest crash rate in each category are Fulton, Carroll, Mason, Henderson, and Campbell and Daviess. A similar summary was prepared for cities and the results are presented in Table 46. Cities having the highest rate of bicycle-related crashes in each population category are Louisville, Covington, Newport, Bellevue, and Fulton. The rate in Newport was substantially above any other city.

The number of bicycle crashes decreased in 2001 (16.8 percent) compared to the average of 1997 through 2000. The number of bicycle crashes has ranged from 507 in 2001 to 662 in 1997. This is a severe type of crash. In 2001, while bicycle crashes accounted for 0.4 percent of all crashes, they accounted for 1.2 percent of injury crashes and also 1.1 percent of fatal crashes. The number of injury crashes decreased by 20.3 percent in 2001 while the number of fatal crashes decreased by 3.0 percent compared to the 1997 through 2000 average. The range in injury crashes was from 389 in 2001 to 512 in 1997 and 1999 while the number of fatal crashes ranged from 4 in 2000 to 10 in 1997 and 1999.

10.4 MOTORCYCLE CRASHES

County and city statistics for crashes involving motorcycles are presented in Tables 47 and 48, respectively. For each population category, counties having the highest rates for motorcycle crashes per 10,000 population are Lyon, Pendleton, Breathitt, Boyd, and Pike (Table 47). The highest rate is in Pike County. From Table 48, those cities having the highest rates in each population category are Louisville, Paducah, Madisonville, Pikeville, and Prestonsburg.

There was a major increase in the number of motorcycle crashes in 2001 (38.2 percent) compared to the 1997 through 2000 average. The numbers over the five-year period ranged from a high of 1,283 in 2001 to a low of 736 in 1997. This is a severe type of crash. Data in 2001 show that motorcycle crashes accounted for 1.0 percent of all crashes but 2.8 percent of injury crashes and 7.9 percent of fatal crashes. The number of injury crashes increased by 30.8 percent while the number of fatal crashes increased by 80.5 percent in 2001 compared to the 1997 through 2000 average. The number of injury crashes ranged from 565 in 1997 to 910 in 2001 while the number of fatal crashes ranged from 26 in 1998 to 60 in 2001. It should be noted that 1999 was the first full year after repeal of the law requiring a motorcyclist to wear a helmet and this corresponded to the increase in the number of motorcycle-related crashes.

10.5 SCHOOL BUS CRASHES

School bus crash statistics were summarized for counties and cities and results are presented in Tables 49 and 50. Table 49 lists numbers and rates of school bus crashes by county and population category. Counties having the highest rates in each population category are Crittenden, Washington, Breathitt, Jessamine, and Christian. A similar summary was prepared for cities by population categories, as shown in Table 50. Those cities having the highest rates in each population category are Louisville, Hopkinsville, Nicholasville, London, and Irvine. The highest rate was in Irvine.

The trend analysis presented in Table 41 indicates there was an increase in this type of crash in 2001 (14.1 percent increase) compared to the 1997 through 2000 average. The annual number of this type of crash ranged from a high of 932 in 2000 to a low of 648 in 1999. The number of injury crashes ranged from 150 in 1997 to 110 in 1999. There were two fatal crashes involving a school bus in 2001.

10.6 TRUCK CRASHES

Truck crashes included both single unit and combination trucks. A truck is defined as a vehicle with a registered weight of 10,000 pounds or more. A summary of those crashes by county is given in Table 51. Counties having the highest rates in each population category are Gallatin, Carroll, Simpson, Scott, and Boone. All of these counties contains at least one interstate highway. Other counties having a high rate either contained an interstate highway or had a large amount of coal truck traffic.

The trend analysis showed there was an increase in the number of truck crashes in 2001 (8.0 percent) compared to the previous four-year average. This change may be partially related to the “type of unit” coding started with the new collision report. The number of truck crashes ranged from a high of 10,276 in 2000 to a low of 7,642 in 1999. The increase in total crashes in 2000 and 2001 reversed the decreasing trend over the past several years. The number of injury crashes increased by 0.7 percent while the number of fatal crashes increased by 1.9 percent in 2001 compared to the 1997 through 2000 average. The number of injury crashes ranged from 1,665 in 1999 to 2,181 in 2000 while the number of fatal crashes ranged from 82 in 1999 to 108 in 1997. Considering the five year period, truck crashes represent 6.6 percent of all crashes, 5.3 percent of injury crashes, and 12.4 percent of fatal crashes.

10.7 TRAIN CRASHES

A summary of motor vehicle-train crashes by county is presented in Table 52. Counties having the highest rates in each population category are Lee, Todd,

Grant, Letcher and Hopkins, and Pulaski. The highest rate is in Grant County with the highest number in Jefferson County. There were no train crashes in 54 of the 120 counties in the five-year period of 1997 through 2001. Several of the counties with the highest rates in their population category were in counties with a large amount of coal production.

The trend analysis for motor vehicle-train crashes is given in Table 41. There was a range in train crashes from 70 in 1998 to 57 in 1997 and 1999. The number of train crashes in 2001 was 5.3 percent more than the 1997 through 2000 average. The number of injury crashes decreased by 12.2 percent in 2001 compared to the 1997 through 2000 average with a range of from 16 in 1999 to 25 in 1998. The number of fatal crashes ranged from two to five over the five-year period.

10.8 VEHICLE DEFECTS

The requirement for an annual vehicle inspection was repealed in 1978. A summary of the involvement of vehicle defects in crashes before and after repeal of that law is presented in Table 53. The percent of crashes involving a vehicle defect was 5.86 percent before repeal of the vehicle inspection law. The percent increased to 7.09 in the first 19 months after repeal of the law and 7.43 percent in 1980 through 1984 but has decreased since that time. Starting in 1995, the percentage of crashes involving a vehicle defect was lower than that noted prior to repeal of the vehicle inspection requirement. The percent of crashes in which a vehicle defect was noted on the report was 5.55 percent in 2001.

11.0 SUMMARY AND RECOMMENDATIONS

11.1 STATEWIDE CRASH RATES

For the high-crash-location safety improvement program in Kentucky to be successful, procedures for identifying high-crash locations and scheduling improvements must be used. A computer program has been developed to identify high-crash locations. Vital inputs into this program are average and critical crash numbers and rates for rural and urban highway classifications. Various crash rates are presented throughout the report text, tables, and appendices which can be used to implement a safety improvement program.

Each crash must be identified accurately to perform a complete crash analysis. In past years, many crashes that occurred on a state-maintained road did not have the necessary route and milepoint information to be included in the detailed

analysis. Efforts have been made as part of the implementation of the new collision report form to increase the number of crash reports having the necessary location information. Part of this effort should be to inform the investigating agencies of the importance of placing the proper route and milepoint for all crashes occurring on state-maintained roads. The roadway reference log has been updated to provide a more comprehensive list of milepoints that should be used.

The fatal crash rate on rural, two lane roadways is much higher than any road type. The factors contributing to this high rate have been investigated with countermeasures recommended. An effort should be made to review and implement as many of these countermeasures as practical.

11.2 COUNTY AND CITY CRASH STATISTICS

The various types of crash rates calculated and included in this report were used in the analysis of various problem identification areas.

In the past, a program was available to provide funds for the purchase of appropriate traffic signs to bring signing on city and county streets and roadways into compliance with the standards and guidelines included in the Manual on Uniform Traffic Control Devices. A large number of cities have taken advantage of this program which was expanded to include counties. Funding for this program has not been provided in the past few years. Efforts should be made to renew funding of the program. The following cities have critical crash rates (as shown in Table 18) but have not been included in this signing program. It is recommended that, if funding again becomes available, they be considered as candidates for participation in the program.

1. Shively
2. Crestview Hills
3. Prestonsburg
4. Mt. Vernon
5. Grayson

11.3 ALCOHOL-RELATED CRASHES

1. The number of alcohol-related crashes increased in 2001 compared to the previous four-year average but has decreased from the level prior to 1996. There has been a decrease in the number of alcohol-related fatal crashes and fatalities. This may be related to increased enforcement and public information campaigns in the past several years that have increased public awareness.

As part of the analysis, percentages of alcohol-related crashes were tabulated for counties and cities. In addition, alcohol conviction rates were tabulated by

county. Those counties having relatively high percentages of alcohol-related crashes (Table 20) and low average numbers of alcohol convictions per alcohol crash (Table 23) were identified as potential locations where increased enforcement may be beneficial. Counties were also required to have 100 or more alcohol-related crashes during the five-year analysis period to be considered as potential counties for the increased alcohol-related enforcement program. Following is a list of those counties by State Police Post (reference was made to the counties recommended in the past few years).

| Post Number | County |
|-------------|------------|
| 1 | Calloway |
| 2 | Hopkins |
| 3 | Logan |
| 4 | Bullitt |
| 5 | Henry |
| 6 | Harrison |
| 7 | Madison |
| 8 | Montgomery |
| 9 | Pike |
| 10 | Knox |
| 11 | Clay |
| 12 | Woodford |
| 13 | Breathitt |
| 14 | Greenup |
| 15 | Marion |
| 16 | Daviess |

2. An analysis was performed for cities similar to that for counties. However, alcohol conviction rates were not available for cities and consideration was given to conviction rates for counties within which a city was located. The number and percentage of crashes involving alcohol were considered (Table 21). The following are candidate cities for a program of increased alcohol enforcement.

1. Richmond
2. Covington
3. Owensboro
4. Newport
5. Shively

11.4 OCCUPANT PROTECTION

1. Even though a statewide safety belt law has been passed, efforts to increase safety belt usage must continue. The various types of safety belt programs that have been conducted in several locations across the state in the past should continue. These programs have the objectives of increasing awareness of risks of traffic crashes, increasing understanding of benefits of safety belt usage, and providing assistance to organizations willing to promote safety belt usage. Enforcement of the statewide law should be another objective of these programs. The success of the Click It or Ticket Campaign conducted around the Memorial Day holiday in 2000 shows that these types of programs can be effective when implemented on a statewide level. Usage rates and crash rates were considered when choosing candidates for more intensive promotion and enforcement campaigns. Consideration was given to past campaign recommendations and the location in the state (State Police Post). Since safety belt usage is lower in rural areas, counties in the more rural areas of the posts were identified when possible. These counties were identified in Table 29. A list of those counties, by State Police Post, follows.

| Post Number | County |
|-------------|------------|
| 1 | Calloway |
| 2 | Crittenden |
| 3 | Warren |
| 4 | Jefferson |
| 5 | Owen |
| 6 | Harrison |
| 7 | Boyle |
| 8 | Rowan |
| 9 | Johnson |
| 10 | Knox |
| 11 | Pulaski |
| 12 | Franklin |
| 13 | Letcher |
| 14 | Boyd |
| 15 | Marion |
| 16 | Henderson |

2. To maintain up-to-date usage statistics and to monitor the effect of the statewide safety belt law, annual statewide observational surveys should continue to be conducted.

3. The current statewide law allows secondary type of enforcement. To obtain a substantial increase in usage, the current law should be modified to allow primary, rather than secondary, enforcement. As a minimum, primary enforcement should apply to drivers while they are in the permit and intermediate phase of the graduated license program.

11.5 SPEED-RELATED CRASHES

1. Unsafe speed has been shown to be a primary contributing factor in fatal crashes and a common contributing factor in all crashes. Those counties having high percentages of speed-related crashes (Table 35) and low average number of speeding convictions per speed-related crash (Table 38) were identified as possible locations for increased enforcement. Locations meeting the criteria for crashes and convictions also were required to have at least 150 speed-related crashes during the five-year study period and speed-related crashes were at least 7.5 percent of total crashes. The following is a list of counties (tabulated by State Police Post) recommended for programs of increased speed enforcement (reference was made to the counties recommended in the past few years).

| Post Number | County |
|-------------|-----------|
| 1 | Marshall |
| 2 | Christian |
| 3 | Edmonson |
| 4 | Nelson |
| 5 | Owen |
| 6 | Bourbon |
| 7 | Garrard |
| 8 | Lewis |
| 9 | Pike |
| 10 | Knox |
| 11 | Clay |
| 12 | Franklin |
| 13 | Letcher |
| 14 | Greenup |
| 15 | Taylor |
| 16 | McLean |

2. By analyzing speed-related crash rates for cities and applying the criterion of at least 150 crashes during the five-year period and speed related crashes of five percent or more of total crashes (Table 36), the following cities were recommended for additional programs of speed enforcement:

1. Lexington
2. Hopkinsville
3. Bowling Green
4. Frankfort
5. Richmond
6. Erlanger
7. Somerset

3. Increased speed enforcement should be implemented on roads that have been identified as having the highest percentage of speed-related crashes. Consideration should be given to the types of roadways that have the highest crash rates. This would indicate more enforcement on rural two-lane and four-lane (non-interstate and parkway) roadways as opposed to interstate and parkways which have much lower crash rates.

4. Federal legislation has changed allowing states to increase speed limits to above the 55 mph and 65 mph limits. Data show current speeds do not reflect speed limits on several types of highways. There is a need to review current speed limits and establish speed limits based on the 85th percentile speed. Recommendations for speed limits on various types of roads in Kentucky have been developed.

11.6 TEENAGE DRIVERS

1. Graduated licensing legislation was passed in the 1996 Kentucky legislature as a method to restrict teenage drivers from being exposed to driving environments which surpass their driving experience. The effectiveness of this legislation should be evaluated.

2. The evaluation of the graduated license program shows a reduction in crashes for 16-year-old drivers while they are in the permit phase but this reduction has not been found to continue. These results indicate the need for increasing restrictions on teenage drivers who have completed the permit stage.

2. The lack of driving experience would be related to the over representation of teenage drivers in traffic crashes. Experience is particularly important when it is necessary to take an evasive maneuver. The use of an advanced technology driving simulator should be considered as a method of allowing teenage drivers to gain experience of real world driving situations without the on-the-road risks.

11.7 GENERAL CRASH STATISTICS

Pedestrians

The crash rate analyses identified Newport and Covington as cities having substantially higher pedestrian crash rates than any other city (Table 44). A study to determine factors contributing to this problem in those cities and recommendations for improved traffic control measures, increased police enforcement, or driver and pedestrian education programs is warranted.

Bicycles

Newport and Covington also had a high crash rate in their population category for this type of crash (Table 46) (as with pedestrian crashes). A study of this type of crash could be included with the previously mentioned study of pedestrian crashes.

Motorcycles

1. Pike County had the highest crash rate in the state (Table 47) as did the city of Pikeville (Table 48) which is in Pike County. Also, McCracken County had the second highest rate of crashes in its population category while the city of Paducah (in McCracken County) also had a high rate of this type of crash. Evaluations of this type of crash in these counties and cities are warranted.

2. The law requiring motorcyclists to wear a helmet was repealed in the 1998 legislature. Observations have shown the helmet usage rate has dramatically decreased. Also, the number of fatal crashes increased dramatically in 1999, 2000, and 2001 along with a substantial increase for total and injury crashes. An investigation should be made to determine if this increase was related to the repeal of the helmet law. The combination of the lowering in usage rate and increase in fatal crashes support the need to reenact the requirement for the use of motorcycle helmets.

3. The large increase in the number of motorcycle crashes warrants a more detailed analysis to determine the reasons for the increase in the number and severity of this type of crash.

Truck Crashes

Counties with a large number of truck crashes either contained an interstate highway or had a large amount of coal truck traffic. Volume counts show that interstate highways have a high percentage of truck traffic. Coal trucks are hauling on an extended weight system which allows heavy loads. A 1999 research report conducted by the University of Kentucky investigated heavy truck involvement in traffic crashes and recommended countermeasures related to the vehicle, driver, or roadway. Implementation of these countermeasures should be considered.

Vehicle Defects

The percentage of crashes involving vehicle defects increased after repeal of the vehicle inspection law. It could be concluded that the repeal of that law resulted in additional crashes involving vehicle defects. However, the percentage of crashes involving a vehicle defect has decreased in recent years with the percentage starting in 1995, and continuing through 2001, less than before repeal of the inspection law. A study could be conducted to determine whether the defects that have contributed to crashes since repeal of the vehicle inspection law were of the type that might have been detected under the previous inspection program. That study could also reveal types of inspections necessary to detect defects contributing to crashes.

TABLE 1. COMPARISON OF 1997 - 2001 CRASH RATES*

| STATISTIC | 1997 | 1998 | 1999 | 2000 | 1997-2000 Average | 2001 | Percent Change*** |
|-------------------------|--------|--------|--------|--------|----------------------|--------|----------------------|
| Crashes | 84,917 | 79,301 | 79,893 | 89,480 | 83,398 | 81,556 | -2.2 |
| Mileage | 23,272 | 27,881 | 28,081 | 27,941 | 26,794 | 28,499 | 6.4 |
| Crashes Per Mile | 3.65 | 2.84 | 2.85 | 3.20 | 3.14 | 2.86 | -8.8 |
| Vehicle Miles (Billion) | 36.90 | 39.11 | 40.56 | 40.92 | 39.37 | 41.70 | 5.9 |
| AADT | 4,344 | 3,843 | 3,958 | 4,013 | 4,040 | 4,009 | -0.8 |
| Crash Rate** | 230 | 203 | 197 | 219 | 212 | 196 | -7.7 |
| Fatal Crash Rate** | 1.66 | 1.61 | 1.46 | 1.44 | 1.54 | 1.52 | -1.5 |
| Injury Crash Rate** | 69 | 61 | 58 | 60 | 62 | 54 | -12.9 |

* Data apply to streets and highways having known traffic volumes, route numbers, and mileposts.

** Crash Rates are given in terms of crashes per 100 million vehicle-miles (C/100 MVM).

*** Percent change from 1997 through 2000 average to 2001.

TABLE 2. STATEWIDE RURAL CRASH RATES BY HIGHWAY TYPE CLASSIFICATION (1997-2001)

| HIGHWAY TYPE | TOTAL MILEAGE* | AADT | CRASH RATES (CRASHES PER 100 MVM) | | |
|--|-------------------|--------|--------------------------------------|--------|-------|
| | | | ALL | INJURY | FATAL |
| One-Lane | 50 | 900 | 163 | 52 | 1.2 |
| Two-Lane | 22,482 | 1,620 | 252 | 85 | 3.0 |
| Three-Lane | 32 | 5,170 | 233 | 73 | 2.0 |
| Four-Lane Divided (Non-Interstate or Parkway) | 505 | 11,330 | 123 | 40 | 1.5 |
| Four-Lane Undivided | 47 | 15,120 | 264 | 65 | 1.4 |
| Interstate | 528 | 30,580 | 49 | 13 | 0.7 |
| Parkway | 566 | 9,020 | 58 | 15 | 0.8 |
| All | 24,210 | 2,650 | 174 | 57 | 2.1 |

* Average for the five years.

TABLE 3. STATEWIDE URBAN CRASH RATES BY HIGHWAY TYPE CLASSIFICATION (1997-2001)

| HIGHWAY TYPE | TOTAL MILEAGE* | AADT | CRASH RATES (CRASHES PER 100 MVM) | | |
|--|----------------|--------|--------------------------------------|--------|-------|
| | | | ALL | INJURY | FATAL |
| Two-Lane | 1,931 | 6,850 | 308 | 78 | 0.9 |
| Three-Lane | 32 | 12,220 | 497 | 106 | 1.2 |
| Four-Lane Divided (Non-Interstate or Parkway) | 378 | 23,900 | 307 | 79 | 0.9 |
| Four-Lane Undivided | 266 | 19,330 | 500 | 122 | 1.1 |
| Interstate | 240 | 65,260 | 93 | 22 | 0.4 |
| Parkway | 52 | 11,790 | 104 | 25 | 1.1 |
| All ** | 2,924 | 15,360 | 258 | 64 | 0.7 |

* Average for the five years.

** Includes small number of one-, five-, and six-lane highways.

TABLE 4. COMPARISON OF 1997 - 2001 CRASH RATES BY RURAL AND URBAN HIGHWAY TYPE CLASSIFICATION

| LOCATION | HIGHWAY TYPE | 1997 | 1998 | 1999 | 2000 | 1997-2000 Average | 2001 | Percent Change* |
|----------|--|------|------|------|------|----------------------|------|--------------------|
| Rural | One-Lane | 365 | 269 | 53 | 285 | 243 | 324 | 33.4 |
| | Two-Lane | 267 | 254 | 236 | 255 | 253 | 248 | -1.9 |
| | Three-Lane | 474 | 269 | 198 | 142 | 271 | 142 | -47.4 |
| | Four-Lane Divided (Non-Interstate or Parkway) | 124 | 115 | 120 | 124 | 121 | 130 | 7.3 |
| | Four-Lane Undivided | 241 | 237 | 241 | 341 | 265 | 270 | 1.8 |
| | Interstate | 52 | 46 | 50 | 51 | 50 | 48 | -2.7 |
| | Parkway | 60 | 54 | 50 | 61 | 56 | 64 | 13.7 |
| | All | 183 | 174 | 163 | 177 | 174 | 173 | -0.5 |
| Urban | Two-Lane | 363 | 301 | 285 | 333 | 320 | 268 | -16.3 |
| | Three-Lane | 572 | 475 | 430 | 547 | 506 | 449 | -11.2 |
| | Four-Lane Divided | 356 | 305 | 311 | 323 | 324 | 247 | -23.6 |
| | Four-Lane Undivided | 568 | 467 | 485 | 546 | 517 | 434 | -15.9 |
| | Interstate | 99 | 84 | 94 | 98 | 94 | 91 | -2.4 |
| | Parkway | 107 | 98 | 103 | 98 | 102 | 115 | 13.5 |
| | All | 296 | 245 | 247 | 278 | 266 | 226 | -15.3 |

* Percent change from 1997 through 2000 to 2001.

TABLE 5. STATEWIDE CRASH RATES FOR "SPOTS" BY HIGHWAY TYPE CLASSIFICATION (1997-2001)

| RURAL OR URBAN | HIGHWAY TYPE | NUMBER OF CRASHES | NUMBER OF SPOTS* | MILLION VEHICLES PER YEAR | CRASHES |
|----------------------|--|----------------------|---------------------|---------------------------------|-------------------------------------|
| | | | | | PER MILLION VEHICLES PER SPOT |
| Rural | One-Lane | 134 | 167 | 0.33 | 0.49 |
| | Two-Lane | 167,019 | 74,941 | 0.59 | 0.76 |
| | Three-Lane | 694 | 105 | 1.89 | 0.70 |
| | Four-Lane Divided (Non-Interstate or Parkway) | 12,808 | 1,683 | 4.14 | 0.37 |
| | Four-Lane Undivided | 3,407 | 156 | 5.52 | 0.79 |
| | Interstate | 14,573 | 1,759 | 11.16 | 0.15 |
| | Parkway | 5,377 | 1,887 | 3.29 | 0.17 |
| | All Rural | 204,012 | 80,701 | 0.97 | 0.52 |
| Urban | Two-Lane | 74,496 | 6,438 | 2.50 | 0.93 |
| | Three-Lane | 3,582 | 108 | 4.46 | 1.49 |
| | Four-Lane Divided | 50,625 | 1,259 | 8.73 | 0.92 |
| | Four-Lane Undivided | 46,927 | 888 | 7.06 | 1.50 |
| | Interstate | 26,642 | 800 | 23.82 | 0.28 |
| | Parkway | 1,154 | 172 | 4.30 | 0.31 |
| | All Urban** | 211,121 | 9,748 | 5.61 | 0.77 |

* Average for the five years. The length of a spot is defined to be 0.3 mile.

** Includes small number of miles of one-, five-, and six-lane highways.

TABLE 6. STATEWIDE AVERAGE AND CRITICAL NUMBERS OF CRASHES FOR "SPOTS" AND ONE-MILE SECTIONS BY HIGHWAY TYPE CLASSIFICATION (1997-2001)

| RURAL OR URBAN | HIGHWAY TYPE | CRASHES PER SPOT* | | CRASHES PER ONE-MILE SECTION | |
|----------------------|--|-------------------|--------------------|---------------------------------|--------------------|
| | | AVERAGE | CRITICAL NUMBER | AVERAGE | CRITICAL NUMBER |
| Rural | One-Lane | 0.80 | 4 | 2.67 | 7 |
| | Two-Lane | 2.23 | 7 | 7.43 | 15 |
| | Three-Lane | 6.59 | 14 | 21.96 | 35 |
| | Four-Lane Divided (Non-Interstate or Parkway) | 7.61 | 15 | 25.37 | 39 |
| | Four-Lane Undivided | 21.84 | 34 | 72.80 | 95 |
| | Interstate | 8.29 | 16 | 27.62 | 42 |
| | Parkway | 2.85 | 8 | 9.50 | 18 |
| | All Rural | 2.53 | 7 | 8.43 | 16 |
| Urban | Two-Lane | 11.57 | 21 | 38.57 | 55 |
| | Three-Lane | 33.23 | 49 | 110.77 | 138 |
| | Four-Lane Divided | 40.20 | 57 | 133.99 | 164 |
| | Four-Lane Undivided | 52.87 | 72 | 176.25 | 211 |
| | Interstate | 33.30 | 49 | 111.00 | 139 |
| | Parkway | 6.72 | 14 | 22.40 | 35 |
| | All Urban** | 21.66 | 34 | 72.19 | 95 |

* The length of a spot is defined to be 0.3 mile.

** Includes small number of miles of one-, five-, and six-lane highways.

TABLE 7. CRASH RATES BY COUNTY FOR STATE-MAINTAINED SYSTEM AND ALL ROADS (1997-2001)

| COUNTY | STATE-MAINTAINED | | ALL ROADS | | | | | |
|--------------|------------------|----------------|------------------|-------|------------------|-------|----------------------------|-------|
| | TOTAL CRASHES | CRASH RATE* | TOTAL CRASHES | | FATAL CRASHES | | FATAL OR INJURY CRASHES | |
| | | | NUMBER | RATE* | NUMBER | RATE* | NUMBER | RATE* |
| Adair | 1,468 | 185 | 2,386 | 251 | 24 | 2.5 | 642 | 68 |
| Allen | 1,378 | 230 | 2,065 | 279 | 14 | 1.9 | 654 | 88 |
| Anderson | 1,777 | 198 | 2,387 | 224 | 20 | 1.9 | 693 | 65 |
| Ballard | 754 | 178 | 1,068 | 213 | 9 | 1.8 | 358 | 71 |
| Barren | 3,324 | 162 | 6,577 | 274 | 32 | 1.3 | 1,974 | 82 |
| Bath | 1,143 | 147 | 1,531 | 177 | 16 | 1.8 | 471 | 54 |
| Bell | 2,279 | 167 | 3,404 | 220 | 25 | 1.6 | 1,141 | 74 |
| Boone | 12,625 | 212 | 17,028 | 253 | 58 | 0.9 | 4,103 | 61 |
| Bourbon | 2,293 | 251 | 3,306 | 306 | 26 | 2.4 | 919 | 85 |
| Boyd | 5,663 | 259 | 9,879 | 379 | 29 | 1.1 | 2,545 | 98 |
| Boyle | 3,606 | 329 | 4,653 | 350 | 33 | 2.5 | 1,206 | 91 |
| Bracken | 977 | 225 | 1,314 | 261 | 15 | 3.0 | 374 | 74 |
| Breathitt | 1,868 | 264 | 2,183 | 268 | 34 | 4.2 | 1,036 | 127 |
| Breckinridge | 1,204 | 187 | 1,488 | 181 | 19 | 2.3 | 585 | 71 |
| Bullitt | 4,885 | 142 | 6,458 | 162 | 43 | 1.1 | 1,868 | 47 |
| Butler | 980 | 135 | 1,231 | 145 | 24 | 2.8 | 413 | 49 |
| Caldwell | 1,117 | 134 | 1,701 | 177 | 19 | 2.0 | 472 | 49 |
| Calloway | 2,828 | 248 | 3,908 | 277 | 31 | 2.2 | 1,067 | 76 |
| Campbell | 8,328 | 246 | 13,778 | 339 | 37 | 0.9 | 2,809 | 69 |
| Carlisle | 257 | 97 | 298 | 94 | 8 | 2.5 | 117 | 37 |
| Carroll | 1,802 | 166 | 2,214 | 187 | 13 | 1.1 | 582 | 49 |
| Carter | 2,409 | 139 | 3,510 | 178 | 43 | 2.2 | 1,149 | 58 |
| Casey | 933 | 171 | 1,234 | 185 | 24 | 3.6 | 415 | 62 |
| Christian | 7,375 | 207 | 9,702 | 243 | 58 | 1.5 | 2,722 | 68 |
| Clark | 3,152 | 153 | 5,942 | 252 | 38 | 1.6 | 1,353 | 57 |
| Clay | 1,824 | 174 | 2,393 | 199 | 45 | 3.7 | 997 | 83 |
| Clinton | 637 | 155 | 779 | 158 | 12 | 2.4 | 215 | 44 |
| Crittenden | 926 | 272 | 1,136 | 268 | 13 | 3.1 | 415 | 98 |
| Cumberland | 331 | 103 | 449 | 118 | 18 | 4.7 | 146 | 38 |
| Daviess | 7,843 | 237 | 17,132 | 416 | 57 | 1.4 | 3,990 | 97 |
| Edmonson | 908 | 191 | 1,199 | 208 | 18 | 3.1 | 419 | 73 |
| Elliott | 479 | 263 | 565 | 251 | 9 | 4.0 | 215 | 95 |
| Estill | 1,337 | 268 | 1,852 | 294 | 14 | 2.2 | 616 | 98 |
| Fayette | 26,283 | 238 | 63,300 | 485 | 120 | 0.9 | 14,278 | 109 |
| Fleming | 1,023 | 184 | 1,396 | 202 | 19 | 2.7 | 469 | 68 |
| Floyd | 4,386 | 186 | 5,290 | 198 | 62 | 2.3 | 2,450 | 92 |
| Franklin | 6,011 | 249 | 8,165 | 287 | 38 | 1.3 | 1,799 | 63 |
| Fulton | 584 | 181 | 1,001 | 264 | 13 | 3.4 | 322 | 85 |
| Gallatin | 883 | 86 | 1,076 | 98 | 6 | 0.5 | 377 | 34 |
| Garrard | 1,572 | 266 | 2,018 | 285 | 14 | 2.0 | 659 | 93 |
| Grant | 3,461 | 162 | 4,404 | 188 | 30 | 1.3 | 1,171 | 50 |
| Graves | 3,262 | 185 | 4,836 | 231 | 40 | 1.9 | 1,382 | 66 |
| Grayson | 2,154 | 163 | 2,653 | 171 | 31 | 2.0 | 1,010 | 65 |
| Green | 886 | 227 | 1,311 | 272 | 12 | 2.5 | 406 | 84 |
| Greenup | 2,616 | 189 | 3,958 | 234 | 28 | 1.7 | 1,239 | 73 |
| Hancock | 617 | 141 | 840 | 163 | 14 | 2.7 | 270 | 52 |
| Hardin | 10,393 | 187 | 13,455 | 212 | 74 | 1.2 | 3,313 | 52 |
| Harlan | 2,890 | 198 | 3,705 | 220 | 38 | 2.3 | 1,305 | 77 |
| Harrison | 1,893 | 357 | 2,776 | 406 | 19 | 2.8 | 737 | 108 |
| Hart | 1,678 | 96 | 2,111 | 111 | 38 | 2.0 | 692 | 37 |
| Henderson | 6,311 | 244 | 9,582 | 321 | 37 | 1.2 | 2,325 | 78 |
| Henry | 1,699 | 138 | 2,013 | 147 | 23 | 1.7 | 617 | 45 |
| Hickman | 406 | 131 | 521 | 146 | 7 | 2.0 | 191 | 54 |
| Hopkins | 5,833 | 212 | 8,142 | 257 | 40 | 1.3 | 1,944 | 61 |
| Jackson | 1,100 | 256 | 1,423 | 267 | 17 | 3.2 | 557 | 104 |
| Jefferson | 68,282 | 241 | 136,754 | 406 | 350 | 1.0 | 31,476 | 94 |
| Jessamine | 4,790 | 316 | 6,358 | 335 | 31 | 1.6 | 1,591 | 84 |
| Johnson | 2,368 | 229 | 2,813 | 230 | 21 | 1.7 | 1,125 | 92 |
| Kenton | 16,307 | 262 | 28,025 | 382 | 53 | 0.7 | 5,960 | 81 |
| Knott | 1,488 | 175 | 1,811 | 187 | 30 | 3.1 | 805 | 83 |

TABLE 7. CRASH RATES BY COUNTY FOR STATE-MAINTAINED SYSTEM AND ALL ROADS (1997-2001)(continued)

| COUNTY | STATE-MAINTAINED | | ALL ROADS | | | | | |
|------------|------------------|----------------|------------------|-------|------------------|-------|----------------------------|-------|
| | TOTAL CRASHES | CRASH RATE* | TOTAL CRASHES | | FATAL CRASHES | | FATAL OR INJURY CRASHES | |
| | | | NUMBER | RATE* | NUMBER | RATE* | NUMBER | RATE* |
| Knox | 2,882 | 213 | 3,984 | 256 | 35 | 2.2 | 1,475 | 95 |
| Larue | 1,335 | 167 | 1,696 | 183 | 19 | 2.1 | 479 | 52 |
| Laurel | 6,947 | 207 | 8,478 | 223 | 62 | 1.6 | 2,461 | 65 |
| Lawrence | 1,057 | 116 | 1,511 | 146 | 19 | 1.8 | 532 | 51 |
| Lee | 417 | 161 | 562 | 177 | 12 | 3.8 | 201 | 63 |
| Leslie | 1,025 | 167 | 1,339 | 191 | 31 | 4.4 | 706 | 101 |
| Letcher | 2,344 | 206 | 2,893 | 216 | 31 | 2.3 | 1,211 | 90 |
| Lewis | 1,127 | 169 | 1,509 | 195 | 36 | 4.6 | 518 | 67 |
| Lincoln | 1,584 | 154 | 2,075 | 172 | 24 | 2.0 | 807 | 67 |
| Livingston | 945 | 153 | 1,076 | 152 | 7 | 1.0 | 367 | 52 |
| Logan | 2,549 | 204 | 3,408 | 230 | 26 | 1.8 | 1,008 | 68 |
| Lyon | 947 | 89 | 1,176 | 105 | 12 | 1.1 | 354 | 32 |
| McCracken | 8,008 | 241 | 13,595 | 348 | 69 | 1.8 | 3,897 | 100 |
| McCreary | 1,194 | 197 | 1,525 | 213 | 23 | 3.2 | 548 | 76 |
| McLean | 1,010 | 213 | 1,192 | 202 | 11 | 1.9 | 373 | 63 |
| Madison | 9,045 | 227 | 13,020 | 294 | 86 | 1.9 | 3,201 | 72 |
| Magoffin | 1,040 | 167 | 1,263 | 176 | 15 | 2.1 | 637 | 89 |
| Marion | 1,834 | 289 | 2,473 | 317 | 23 | 2.9 | 719 | 92 |
| Marshall | 3,181 | 154 | 3,929 | 159 | 35 | 1.4 | 1,161 | 47 |
| Martin | 1,165 | 176 | 1,328 | 173 | 12 | 1.6 | 559 | 73 |
| Mason | 2,558 | 245 | 3,810 | 326 | 34 | 2.9 | 872 | 75 |
| Meade | 2,074 | 197 | 2,550 | 202 | 33 | 2.6 | 830 | 66 |
| Menifee | 471 | 224 | 552 | 210 | 6 | 2.3 | 227 | 86 |
| Mercer | 2,010 | 227 | 3,025 | 282 | 14 | 1.3 | 884 | 82 |
| Metcalfe | 878 | 175 | 1,081 | 184 | 16 | 2.7 | 317 | 54 |
| Monroe | 544 | 140 | 926 | 190 | 13 | 2.7 | 293 | 60 |
| Montgomery | 2,696 | 234 | 3,787 | 275 | 31 | 2.2 | 1,038 | 75 |
| Morgan | 1,402 | 250 | 1,585 | 239 | 20 | 3.0 | 630 | 95 |
| Muhlenberg | 3,544 | 218 | 4,723 | 247 | 42 | 2.2 | 1,402 | 73 |
| Nelson | 4,178 | 219 | 5,715 | 255 | 51 | 2.3 | 1,449 | 65 |
| Nicholas | 556 | 173 | 861 | 226 | 10 | 2.6 | 273 | 72 |
| Ohio | 2,175 | 144 | 2,791 | 163 | 29 | 1.7 | 970 | 57 |
| Oldham | 3,753 | 185 | 4,467 | 185 | 19 | 0.8 | 1,180 | 49 |
| Owen | 938 | 264 | 1,201 | 271 | 10 | 2.3 | 413 | 93 |
| Owsley | 319 | 193 | 376 | 186 | 5 | 2.5 | 123 | 61 |
| Pendleton | 1,366 | 289 | 1,928 | 322 | 19 | 3.2 | 580 | 97 |
| Perry | 3,603 | 241 | 5,076 | 290 | 40 | 2.3 | 1,903 | 109 |
| Pike | 7,839 | 226 | 10,727 | 265 | 110 | 2.7 | 4,632 | 115 |
| Powell | 1,168 | 141 | 1,702 | 183 | 22 | 2.4 | 571 | 61 |
| Pulaski | 6,430 | 252 | 8,824 | 285 | 65 | 2.1 | 2,311 | 75 |
| Robertson | 96 | 145 | 121 | 139 | 1 | 1.2 | 48 | 55 |
| Rockcastle | 1,894 | 94 | 2,298 | 107 | 24 | 1.1 | 769 | 36 |
| Rowan | 3,395 | 263 | 4,336 | 297 | 20 | 1.4 | 1,183 | 81 |
| Russell | 1,215 | 167 | 1,561 | 183 | 15 | 1.8 | 471 | 55 |
| Scott | 4,356 | 137 | 6,501 | 189 | 34 | 1.0 | 1,711 | 50 |
| Shelby | 4,223 | 167 | 5,542 | 196 | 53 | 1.9 | 1,407 | 50 |
| Simpson | 2,198 | 152 | 2,754 | 173 | 27 | 1.7 | 735 | 46 |
| Spencer | 774 | 185 | 1,014 | 195 | 16 | 3.1 | 348 | 67 |
| Taylor | 2,385 | 275 | 3,673 | 343 | 16 | 1.5 | 849 | 79 |
| Todd | 940 | 194 | 1,213 | 209 | 13 | 2.2 | 401 | 69 |
| Trigg | 1,197 | 149 | 1,542 | 169 | 14 | 1.5 | 496 | 54 |
| Trimble | 836 | 267 | 1,022 | 269 | 9 | 2.4 | 311 | 82 |
| Union | 1,733 | 235 | 2,242 | 258 | 15 | 1.7 | 711 | 82 |
| Warren | 12,987 | 250 | 20,291 | 341 | 74 | 1.2 | 5,351 | 90 |
| Washington | 1,052 | 184 | 1,418 | 212 | 17 | 2.5 | 434 | 65 |
| Wayne | 1,722 | 239 | 2,252 | 257 | 21 | 2.4 | 692 | 79 |
| Webster | 1,579 | 176 | 1,909 | 186 | 17 | 1.7 | 632 | 62 |
| Whitley | 3,499 | 135 | 4,998 | 171 | 59 | 2.0 | 1,510 | 52 |
| Wolfe | 771 | 145 | 996 | 168 | 24 | 4.0 | 358 | 60 |
| Woodford | 2,271 | 178 | 3,435 | 232 | 29 | 2.0 | 840 | 57 |
| STATEWIDE | 415,147 | 208 | 657,344 | 283 | 3,758 | 1.6 | 176,520 | 76 |

* Crashes per 100 million vehicle-miles (C/100 MVM)

Table 8. COUNTY POPULATIONS (2000 CENSUS) IN DESCENDING ORDER

| COUNTY | POPULATION | COUNTY | POPULATION | COUNTY | POPULATION |
|------------|------------|--------------|------------|------------|------------|
| Jefferson | 693,604 | Meade | 26,349 | Jackson | 13,495 |
| Fayette | 260,512 | Letcher | 25,277 | Larue | 13,373 |
| Kenton | 151,464 | Clay | 24,556 | Magoffin | 13,332 |
| Hardin | 94,174 | Grayson | 24,053 | Powell | 13,237 |
| Warren | 92,522 | Johnson | 23,445 | Caldwell | 13,060 |
| Daviess | 91,545 | Lincoln | 23,361 | Butler | 13,010 |
| Campbell | 88,616 | Woodford | 23,208 | Trigg | 12,597 |
| Boone | 85,991 | Taylor | 22,927 | Martin | 12,578 |
| Christian | 72,265 | Ohio | 22,916 | Leslie | 12,401 |
| Madison | 70,872 | Montgomery | 22,554 | Todd | 11,971 |
| Pike | 68,736 | Grant | 22,384 | Spencer | 11,766 |
| McCracken | 65,514 | Rowan | 22,094 | Monroe | 11,756 |
| Bullitt | 61,236 | Mercer | 20,817 | Edmonson | 11,644 |
| Pulaski | 56,217 | Wayne | 19,923 | Green | 11,518 |
| Laurel | 52,715 | Bourbon | 19,360 | Bath | 11,085 |
| Boyd | 49,752 | Anderson | 19,111 | Washington | 10,916 |
| Franklin | 47,687 | Breckinridge | 18,648 | Owen | 10,547 |
| Hopkins | 46,519 | Marion | 18,212 | Carroll | 10,155 |
| Oldham | 46,178 | Harrison | 17,983 | Metcalfe | 10,037 |
| Henderson | 44,829 | Allen | 17,800 | McLean | 9,938 |
| Floyd | 42,441 | Knott | 17,649 | Livingston | 9,804 |
| Jessamine | 39,041 | Hart | 17,445 | Clinton | 9,634 |
| Barren | 38,033 | Adair | 17,244 | Crittenden | 9,384 |
| Nelson | 37,477 | McCreary | 17,080 | Hancock | 8,392 |
| Graves | 37,028 | Mason | 16,800 | Ballard | 8,286 |
| Greenup | 36,891 | Rockcastle | 16,582 | Bracken | 8,279 |
| Whitley | 35,865 | Simpson | 16,405 | Trimble | 8,125 |
| Calloway | 34,177 | Russell | 16,315 | Lyon | 8,080 |
| Shelby | 33,337 | Breathitt | 16,100 | Lee | 7,916 |
| Harlan | 33,202 | Union | 15,637 | Gallatin | 7,870 |
| Clark | 33,144 | Lawrence | 15,569 | Fulton | 7,752 |
| Scott | 33,061 | Casey | 15,447 | Cumberland | 7,147 |
| Muhlenberg | 31,839 | Estill | 15,307 | Wolfe | 7,065 |
| Knox | 31,795 | Henry | 15,060 | Nicholas | 6,813 |
| Marshall | 30,125 | Garrard | 14,792 | Elliott | 6,748 |
| Bell | 30,060 | Pendleton | 14,390 | Menifee | 6,556 |
| Perry | 29,390 | Webster | 14,120 | Carlisle | 5,351 |
| Boyle | 27,697 | Lewis | 14,092 | Hickman | 5,262 |
| Carter | 26,889 | Morgan | 13,948 | Owsley | 4,858 |
| Logan | 26,573 | Fleming | 13,792 | Robertson | 2,266 |

TOTAL 4,041,769

Table 9. AVERAGE AND CRITICAL CRASH RATES BY POPULATION CATEGORY
(1997-2001)

| POPULATION CATEGORY | NUMBER OF COUNTIES IN CATEGORY | TOTAL POPULATION | TOTAL MILEAGE DRIVEN 100 MVM | | |
|---------------------|--------------------------------|------------------|------------------------------|--|--|
| UNDER 10,000 | 21 | 155,526 | 98.36 | | |
| 10,000 - 14,999 | 25 | 313,612 | 181.50 | | |
| 15,000 - 24,999 | 32 | 611,992 | 374.28 | | |
| 25,000 - 50,000 | 27 | 954,656 | 582.64 | | |
| OVER 50,000 | 15 | 2,005,983 | 1,085.14 | | |

| POPULATION CATEGORY | TOTAL NUMBER OF CRASHES | CRASHES PER 100 MVM | CRITICAL CRASH RATE (C/100 MVM) | NUMBER OF COUNTIES AT OR ABOVE CRITICAL RATE |
|---------------------|-------------------------|---------------------|---------------------------------|--|
| UNDER 10,000 | 16,981 | 173 | 208 | 8 |
| 10,000 - 14,999 | 36,678 | 202 | 233 | 6 |
| 15,000 - 24,999 | 81,423 | 218 | 243 | 14 |
| 25,000 - 50,000 | 141,695 | 243 | 263 | 8 |
| OVER 50,000 | 380,567 | 351 | 363 | 4 |

| POPULATION CATEGORY | TOTAL NUMBER OF FATAL CRASHES | FATAL CRASHES PER 100 MVM | CRITICAL FATAL RATE (C/100 MVM) | NUMBER OF COUNTIES AT OR ABOVE CRITICAL RATE |
|---------------------|-------------------------------|---------------------------|---------------------------------|--|
| UNDER 10,000 | 221 | 2.25 | 6.77 | 0 |
| 10,000 - 14,999 | 442 | 2.44 | 6.12 | 0 |
| 15,000 - 24,999 | 776 | 2.07 | 4.71 | 0 |
| 25,000 - 50,000 | 1,003 | 1.72 | 3.46 | 0 |
| OVER 50,000 | 1,316 | 1.21 | 1.99 | 2 |

| POPULATION CATEGORY | TOTAL NUMBER OF FATAL OR INJURY CRASHES | FATAL OR INJURY CRASHES PER 100 MVM | CRITICAL FATAL OR INJURY CRASH RATE (C/100 MVM) | NUMBER OF COUNTIES AT OR ABOVE CRITICAL RATE |
|---------------------|---|-------------------------------------|---|--|
| UNDER 10,000 | 5,635 | 57.3 | 78.0 | 5 |
| 10,000 - 14,999 | 12,462 | 68.7 | 86.7 | 7 |
| 15,000 - 24,999 | 25,334 | 67.7 | 81.8 | 11 |
| 25,000 - 50,000 | 40,717 | 69.9 | 80.4 | 8 |
| OVER 50,000 | 92,372 | 85.1 | 91.4 | 5 |

TABLE 10. CRASH RATES BY COUNTY AND POPULATION CATEGORY (IN DESCENDING ORDER WITH CRITICAL RATES IDENTIFIED)(1997-2001)(ALL ROADS)

| COUNTY | NUMBER OF CRASHES | CRASH RATE (CRASHES PER 100 MVM) | COUNTY | NUMBER OF CRASHES | CRASH RATE (CRASHES PER 100 MVM) |
|--|-------------------|----------------------------------|--|-------------------|----------------------------------|
| POPULATION CATEGORY UNDER 10,000 | | | POPULATION CATEGORY 15,000-24,999 | | |
| Trimble | 1,022 | 269 * | Harrison | 2,776 | 406 * |
| Crittenden | 1,136 | 268 * | Taylor | 3,673 | 343 * |
| Fulton | 1,001 | 264 * | Mason | 3,810 | 326 * |
| Bracken | 1,314 | 261 * | Marion | 2,473 | 317 * |
| Elliott | 565 | 251 * | Bourbon | 3,306 | 306 * |
| Nicholas | 861 | 226 * | Rowan | 4,336 | 297 * |
| Ballard | 1,068 | 213 * | Estill | 1,852 | 294 * |
| Menifee | 552 | 210 * | Mercer | 3,025 | 282 * |
| McLean | 1,192 | 202 | Allen | 2,065 | 279 * |
| Owsley | 376 | 186 | Montgomery | 3,787 | 275 * |
| Lee | 562 | 177 | Breathitt | 2,183 | 268 * |
| Wolfe | 996 | 168 | Union | 2,242 | 258 * |
| Hancock | 840 | 163 | Wayne | 2,252 | 257 * |
| Clinton | 779 | 158 | Adair | 2,386 | 251 * |
| Livingston | 1,076 | 152 | Woodford | 3,435 | 232 |
| Hickman | 521 | 146 | Johnson | 2,813 | 230 |
| Robertson | 121 | 139 | Anderson | 2,387 | 224 |
| Cumberland | 449 | 118 | McCreary | 1,525 | 213 |
| Lyon | 1,176 | 105 | Clay | 2,393 | 199 |
| Gallatin | 1,076 | 98 | Grant | 4,404 | 188 |
| Carlisle | 298 | 94 | Knott | 1,811 | 187 |
| POPULATION CATEGORY 10,000-14,999 | | | POPULATION CATEGORY 25,000-50,000 | | |
| Pendleton | 1,928 | 322 * | Russell | 1,561 | 183 |
| Garrard | 2,018 | 285 * | Breckinridge | 1,488 | 181 |
| Green | 1,311 | 272 * | Simpson | 2,754 | 173 |
| Owen | 1,201 | 271 * | Lincoln | 2,075 | 172 |
| Jackson | 1,423 | 267 * | Grayson | 2,653 | 171 |
| Morgan | 1,585 | 239 * | Ohio | 2,791 | 163 |
| Washington | 1,418 | 212 | Henry | 2,013 | 147 |
| Todd | 1,213 | 209 | Lawrence | 1,511 | 146 |
| Edmonson | 1,199 | 208 | Hart | 2,111 | 111 |
| Fleming | 1,396 | 202 | Rockcastle | 2,298 | 107 |
| Lewis | 1,509 | 195 | POPULATION CATEGORY OVER 50,000 | | |
| Spencer | 1,014 | 195 | Fayette | 63,300 | 485 * |
| Leslie | 1,339 | 191 | Daviess | 17,132 | 416 * |
| Monroe | 926 | 190 | Jefferson | 136,754 | 406 * |
| Carroll | 2,214 | 187 | Kenton | 28,025 | 382 * |
| Webster | 1,909 | 186 | McCracken | 13,595 | 348 |
| Metcalfe | 1,081 | 184 | Warren | 20,291 | 341 |
| Larue | 1,696 | 183 | Campbell | 13,778 | 339 |
| Powell | 1,702 | 183 | Madison | 13,020 | 294 |
| Bath | 1,531 | 177 | Pulaski | 8,824 | 285 |
| Caldwell | 1,701 | 177 | Pike | 10,727 | 265 |
| Magoffin | 1,263 | 176 | Boone | 17,028 | 253 |
| Martin | 1,328 | 173 | Christian | 9,702 | 243 |
| Trigg | 1,542 | 169 | Laurel | 8,478 | 223 |
| Butler | 1,231 | 145 | Hardin | 13,455 | 212 |
| | | | Bullitt | 6,458 | 162 |

* Critical crash rate

TABLE 11. CRASH RATES BY COUNTY AND POPULATION CATEGORY (IN DESCENDING ORDER WITH CRITICAL RATES IDENTIFIED)(1997-2001)(STATE-MAINTAINED SYSTEM)

| COUNTY | NUMBER OF CRASHES | CRASH RATE (CRASHES PER 100 MVM) | COUNTY | NUMBER OF CRASHES | CRASH RATE (CRASHES PER 100 MVM) |
|--|-------------------|----------------------------------|--|-------------------|----------------------------------|
| POPULATION CATEGORY UNDER 10,000 | | | POPULATION CATEGORY 15,000-24,999 | | |
| Crittenden | 926 | 272 * | Harrison | 1,893 | 357 * |
| Trimble | 836 | 267 * | Marion | 1,834 | 289 * |
| Elliott | 479 | 263 * | Taylor | 2,385 | 275 * |
| Bracken | 977 | 225 * | Estill | 1,337 | 268 * |
| Menifee | 471 | 224 * | Breathitt | 1,868 | 264 * |
| McLean | 1,010 | 213 * | Rowan | 3,395 | 263 * |
| Owsley | 319 | 193 * | Bourbon | 2,293 | 251 * |
| Fulton | 584 | 181 | Mason | 2,558 | 245 * |
| Ballard | 754 | 178 | Wayne | 1,722 | 239 * |
| Nicholas | 556 | 173 | Union | 1,733 | 235 * |
| Lee | 417 | 161 | Montgomery | 2,696 | 234 * |
| Clinton | 637 | 155 | Allen | 1,378 | 230 * |
| Livingston | 945 | 153 | Johnson | 2,368 | 229 * |
| Wolfe | 771 | 145 | Mercer | 2,010 | 227 * |
| Robertson | 96 | 145 | Anderson | 1,777 | 198 |
| Hancock | 617 | 141 | McCreary | 1,194 | 197 |
| Hickman | 406 | 131 | Breckinridge | 1,204 | 187 |
| Cumberland | 331 | 103 | Adair | 1,468 | 185 |
| Carlisle | 257 | 97 | Woodford | 2,271 | 178 |
| Lyon | 947 | 89 | Knott | 1,488 | 175 |
| Gallatin | 883 | 86 | Clay | 1,824 | 174 |
| POPULATION CATEGORY 10,000-14,999 | | | POPULATION CATEGORY 25,000-50,000 | | |
| Pendleton | 1,366 | 289 * | Boyle | 3,606 | 329 * |
| Garrard | 1,572 | 266 * | Jessamine | 4,790 | 316 * |
| Owen | 938 | 264 * | Boyd | 5,663 | 259 * |
| Jackson | 1,100 | 256 * | Franklin | 6,011 | 249 * |
| Morgan | 1,402 | 250 * | Calloway | 2,828 | 248 * |
| Green | 886 | 227 * | Henderson | 6,311 | 244 * |
| Todd | 940 | 194 | Perry | 3,603 | 241 * |
| Edmonson | 908 | 191 | Nelson | 4,178 | 219 * |
| Spencer | 774 | 185 | Muhlenberg | 3,544 | 218 * |
| Washington | 1,052 | 184 | Knox | 2,882 | 213 |
| Fleming | 1,023 | 184 | Hopkins | 5,833 | 212 |
| Webster | 1,579 | 176 | Letcher | 2,344 | 206 |
| Martin | 1,165 | 176 | Logan | 2,549 | 204 |
| Metcalfe | 878 | 175 | Harlan | 2,890 | 198 |
| Lewis | 1,127 | 169 | Meade | 2,074 | 197 |
| Leslie | 1,025 | 167 | Greenup | 2,616 | 189 |
| Larue | 1,335 | 167 | Floyd | 4,386 | 186 |
| Magoffin | 1,040 | 167 | Graves | 3,262 | 185 |
| Carroll | 1,802 | 166 | Oldham | 3,753 | 185 |
| Trigg | 1,197 | 149 | Bell | 2,279 | 167 |
| Bath | 1,143 | 147 | Shelby | 4,223 | 167 |
| Powell | 1,168 | 141 | Barren | 3,324 | 162 |
| Monroe | 544 | 140 | Marshall | 3,181 | 154 |
| Butler | 980 | 135 | Clark | 3,152 | 153 |
| Caldwell | 1,117 | 134 | Carter | 2,409 | 139 |
| | | | Scott | 4,356 | 137 |
| | | | Whitley | 3,499 | 135 |
| | | | POPULATION CATEGORY OVER 50,000 | | |
| | | | Kenton | 16,307 | 262 * |
| | | | Pulaski | 6,430 | 252 * |
| | | | Warren | 12,987 | 250 * |
| | | | Campbell | 8,328 | 246 * |
| | | | Jefferson | 68,282 | 241 |
| | | | McCracken | 8,008 | 241 |
| | | | Fayette | 26,283 | 238 |
| | | | Daviess | 7,843 | 237 |
| | | | Madison | 9,045 | 227 |
| | | | Pike | 7,839 | 226 |
| | | | Boone | 12,625 | 212 |
| | | | Christian | 7,375 | 207 |
| | | | Laurel | 6,947 | 207 |
| | | | Hardin | 10,393 | 187 |
| | | | Bullitt | 4,885 | 142 |

* Critical crash rate

TABLE 12. INJURY OR FATAL CRASH RATES BY COUNTY AND POPULATION CATEGORY (IN DESCENDING ORDER WITH CRITICAL RATES IDENTIFIED) (1997-2001)(ALL ROADS)

| COUNTY | NUMBER OF CRASHES | CRASH RATE (CRASHES PER 100 MVM) | COUNTY | NUMBER OF CRASHES | CRASH RATE (CRASHES PER 100 MVM) |
|--|-------------------|----------------------------------|--|-------------------|----------------------------------|
| POPULATION CATEGORY UNDER 10,000 | | | POPULATION CATEGORY 15,000-24,999 | | |
| Crittenden | 415 | 98 * | Breathitt | 1,036 | 127 * |
| Elliott | 215 | 95 * | Harrison | 737 | 108 * |
| Menifee | 227 | 86 * | Estill | 616 | 98 * |
| Fulton | 322 | 85 * | Johnson | 1,125 | 92 * |
| Trimble | 311 | 82 * | Marion | 719 | 92 * |
| Bracken | 374 | 74 | Allen | 654 | 88 * |
| Nicholas | 273 | 72 | Bourbon | 919 | 85 * |
| Ballard | 358 | 71 | Clay | 997 | 83 * |
| Lee | 201 | 63 | Knott | 805 | 83 * |
| McLean | 373 | 63 | Mercer | 884 | 82 * |
| Owsley | 123 | 61 | Union | 711 | 82 * |
| Wolfe | 358 | 60 | Rowan | 1,183 | 81 |
| Robertson | 48 | 55 | Wayne | 692 | 79 |
| Hickman | 191 | 54 | Taylor | 849 | 79 |
| Livingston | 367 | 52 | McCreary | 548 | 76 |
| Hancock | 270 | 52 | Mason | 872 | 75 |
| Clinton | 215 | 44 | Montgomery | 1,038 | 75 |
| Cumberland | 146 | 38 | Breckinridge | 585 | 71 |
| Carlisle | 117 | 37 | Adair | 642 | 68 |
| Gallatin | 377 | 34 | Lincoln | 807 | 67 |
| Lyon | 354 | 32 | Anderson | 693 | 65 |
| POPULATION CATEGORY 10,000-14,999 | | | Grayson | 1,010 | 65 |
| Jackson | 557 | 104 * | Casey | 415 | 62 |
| Leslie | 706 | 101 * | Woodford | 840 | 57 |
| Pendleton | 580 | 97 * | Ohio | 970 | 57 |
| Morgan | 630 | 95 * | Russell | 471 | 55 |
| Garrard | 659 | 93 * | Lawrence | 532 | 51 |
| Owen | 413 | 93 * | Grant | 1,171 | 50 |
| Magoffin | 637 | 89 * | Simpson | 735 | 46 |
| Green | 406 | 84 | Henry | 617 | 45 |
| Edmonson | 419 | 73 | Hart | 692 | 37 |
| Martin | 559 | 73 | Rockcastle | 769 | 36 |
| Todd | 401 | 69 | POPULATION CATEGORY 25,000-50,000 | | |
| Fleming | 469 | 68 | Perry | 1,903 | 109 * |
| Lewis | 518 | 67 | Boyd | 2,545 | 98 * |
| Spencer | 348 | 67 | Knox | 1,475 | 95 * |
| Washington | 434 | 65 | Floyd | 2,450 | 92 * |
| Webster | 632 | 62 | Boyle | 1,206 | 91 * |
| Powell | 571 | 61 | Letcher | 1,211 | 90 * |
| Monroe | 293 | 60 | Jessamine | 1,591 | 84 * |
| Trigg | 496 | 54 | Barren | 1,974 | 82 * |
| Bath | 471 | 54 | Henderson | 2,325 | 78 |
| Metcalfe | 317 | 54 | Harlan | 1,305 | 77 |
| Larue | 479 | 52 | Calloway | 1,067 | 76 |
| Butler | 413 | 49 | Bell | 1,141 | 74 |
| Caldwell | 472 | 49 | Greenup | 1,239 | 73 |
| Carroll | 582 | 49 | Muhlenberg | 1,402 | 73 |
| | | | Logan | 1,008 | 68 |
| | | | Graves | 1,382 | 66 |
| | | | Meade | 830 | 66 |
| | | | Nelson | 1,449 | 65 |
| | | | Franklin | 1,799 | 63 |
| | | | Hopkins | 1,944 | 61 |
| | | | Carter | 1,149 | 58 |
| | | | Clark | 1,353 | 57 |
| | | | Whitley | 1,510 | 52 |
| | | | Scott | 1,711 | 50 |
| | | | Shelby | 1,407 | 50 |
| | | | Oldham | 1,180 | 49 |
| | | | Marshall | 1,161 | 47 |
| | | | POPULATION CATEGORY OVER 50,000 | | |
| | | | Pike | 4,632 | 115 * |
| | | | Fayette | 14,278 | 109 * |
| | | | McCracken | 3,897 | 100 * |
| | | | Daviess | 3,990 | 97 * |
| | | | Jefferson | 31,476 | 94 * |
| | | | Warren | 5,351 | 90 |
| | | | Kenton | 5,960 | 81 |
| | | | Pulaski | 2,311 | 75 |
| | | | Madison | 3,201 | 72 |
| | | | Campbell | 2,809 | 69 |
| | | | Christian | 2,722 | 68 |
| | | | Laurel | 2,461 | 65 |
| | | | Boone | 4,103 | 61 |
| | | | Hardin | 3,313 | 52 |
| | | | Bullitt | 1,868 | 47 |

* Critical crash rate

TABLE 13. FATAL CRASH RATES BY COUNTY AND POPULATION CATEGORY (IN DESCENDING ORDER WITH CRITICAL RATES IDENTIFIED)(1997-2001)(ALL ROADS)

| COUNTY | NUMBER OF CRASHES | CRASH RATE (CRASHES PER 100 MVM) | COUNTY | NUMBER OF CRASHES | CRASH RATE (CRASHES PER 100 MVM) |
|--|-------------------|----------------------------------|--|-------------------|----------------------------------|
| POPULATION CATEGORY UNDER 10,000 | | | POPULATION CATEGORY 15,000-24,999 | | |
| Cumberland | 18 | 4.7 | Breathitt | 34 | 4.2 |
| Wolfe | 24 | 4.0 | Clay | 45 | 3.7 |
| Elliott | 9 | 4.0 | Casey | 24 | 3.6 |
| Lee | 12 | 3.8 | McCreary | 23 | 3.2 |
| Fulton | 13 | 3.4 | Knott | 30 | 3.1 |
| Crittenden | 13 | 3.1 | Marion | 23 | 2.9 |
| Bracken | 15 | 3.0 | Mason | 34 | 2.9 |
| Hancock | 14 | 2.7 | Harrison | 19 | 2.8 |
| Nicholas | 10 | 2.6 | Adair | 24 | 2.5 |
| Carlisle | 8 | 2.5 | Wayne | 21 | 2.4 |
| Owsley | 5 | 2.5 | Bourbon | 26 | 2.4 |
| Trimble | 9 | 2.4 | Breckinridge | 19 | 2.3 |
| Clinton | 12 | 2.4 | Estill | 14 | 2.2 |
| Menifee | 6 | 2.3 | Montgomery | 31 | 2.2 |
| Hickman | 7 | 2.0 | Grayson | 31 | 2.0 |
| McLean | 11 | 1.9 | Woodford | 29 | 2.0 |
| Ballard | 9 | 1.8 | Lincoln | 24 | 2.0 |
| Robertson | 1 | 1.2 | Hart | 38 | 2.0 |
| Lyon | 12 | 1.1 | Allen | 14 | 1.9 |
| Livingston | 7 | 1.0 | Anderson | 20 | 1.9 |
| Gallatin | 6 | 0.5 | Russell | 15 | 1.8 |
| POPULATION CATEGORY 10,000-14,999 | | | Lawrence | 19 | 1.8 |
| Lewis | 36 | 4.6 | Ohio | 29 | 1.7 |
| Leslie | 31 | 4.4 | Johnson | 21 | 1.7 |
| Pendleton | 19 | 3.2 | Simpson | 27 | 1.7 |
| Jackson | 17 | 3.2 | Union | 15 | 1.7 |
| Edmonson | 18 | 3.1 | Henry | 23 | 1.7 |
| Spencer | 16 | 3.1 | Taylor | 16 | 1.5 |
| Morgan | 20 | 3.0 | Rowan | 20 | 1.4 |
| Butler | 24 | 2.8 | Mercer | 14 | 1.3 |
| Fleming | 19 | 2.7 | Grant | 30 | 1.3 |
| Metcalfe | 16 | 2.7 | Rockcastle | 24 | 1.1 |
| Monroe | 13 | 2.7 | POPULATION CATEGORY 25,000-50,000 | | |
| Washington | 17 | 2.5 | Meade | 33 | 2.6 |
| Green | 12 | 2.5 | Boyle | 33 | 2.5 |
| Powell | 22 | 2.4 | Letcher | 31 | 2.3 |
| Owen | 10 | 2.3 | Perry | 40 | 2.3 |
| Todd | 13 | 2.2 | Floyd | 62 | 2.3 |
| Magoffin | 15 | 2.1 | Harlan | 38 | 2.3 |
| Larue | 19 | 2.1 | Nelson | 51 | 2.3 |
| Caldwell | 19 | 2.0 | Carter | 43 | 2.2 |
| Garrard | 14 | 2.0 | Muhlenberg | 42 | 2.2 |
| Bath | 16 | 1.8 | Knox | 35 | 2.2 |
| Webster | 17 | 1.7 | Calloway | 31 | 2.2 |
| Martin | 12 | 1.6 | Whitley | 59 | 2.0 |
| Trigg | 14 | 1.5 | Graves | 40 | 1.9 |
| Carroll | 13 | 1.1 | Shelby | 53 | 1.9 |
| | | | Logan | 26 | 1.8 |
| | | | Greenup | 28 | 1.7 |
| | | | Clark | 38 | 1.6 |
| | | | Bell | 25 | 1.6 |
| | | | Jessamine | 31 | 1.6 |
| | | | Marshall | 35 | 1.4 |
| | | | Barren | 32 | 1.3 |
| | | | Franklin | 38 | 1.3 |
| | | | Hopkins | 40 | 1.3 |
| | | | Henderson | 37 | 1.2 |
| | | | Boyd | 29 | 1.1 |
| | | | Scott | 34 | 1.0 |
| | | | Oldham | 19 | 0.8 |
| | | | POPULATION CATEGORY OVER 50,000 | | |
| | | | Pike | 110 | 2.7 * |
| | | | Pulaski | 65 | 2.1 * |
| | | | Madison | 86 | 1.9 |
| | | | McCracken | 69 | 1.8 |
| | | | Laurel | 62 | 1.6 |
| | | | Christian | 58 | 1.5 |
| | | | Daviess | 57 | 1.4 |
| | | | Hardin | 74 | 1.2 |
| | | | Warren | 74 | 1.2 |
| | | | Bullitt | 43 | 1.1 |
| | | | Jefferson | 350 | 1.0 |
| | | | Campbell | 37 | 0.9 |
| | | | Fayette | 120 | 0.9 |
| | | | Boone | 58 | 0.9 |
| | | | Kenton | 53 | 0.7 |

* Critical crash rate

TABLE 14. MISCELLANEOUS CRASH DATA FOR EACH COUNTY

| COUNTY | NUMBER OF CRASHES BY YEAR | | | | | 1997-2000 AVERAGE | 2001 PERCENT CHANGE* | PERCENT OF CRASHES INVOLVING ALCOHOL | PERCENT OF CRASHES INVOLVING DRUGS | PERCENT FATAL CRASHES | PERCENT INJURY OR FATAL CRASHES | PERCENT OF DRIVERS USING SAFETY BELTS | PERCENT OF CRASHES INVOLVING SPEEDING |
|--------------|---------------------------|--------|--------|--------|--------|----------------------|----------------------------|---|---|-----------------------------|--|---|--|
| | 1997 | 1998 | 1999 | 2000 | 2001 | | | | | | | | |
| Adair | 452 | 441 | 466 | 556 | 471 | 479 | -1.6 | 4.4 | 0.8 | 1.01 | 26.9 | 78.4 | 6.2 |
| Allen | 399 | 444 | 509 | 377 | 336 | 432 | -22.3 | 5.0 | 0.7 | 0.68 | 31.7 | 83.7 | 6.7 |
| Anderson | 484 | 442 | 515 | 484 | 462 | 481 | -4.0 | 5.3 | 0.3 | 0.84 | 29.0 | 87.7 | 8.0 |
| Ballard | 229 | 226 | 188 | 256 | 169 | 225 | -24.8 | 6.6 | 0.7 | 0.84 | 33.5 | 88.8 | 8.0 |
| Barren | 1,394 | 1,328 | 1,297 | 1,275 | 1,283 | 1,324 | -3.1 | 3.6 | 0.3 | 0.49 | 30.0 | 85.5 | 6.9 |
| Bath | 308 | 305 | 289 | 324 | 305 | 307 | -0.5 | 6.3 | 0.6 | 1.05 | 30.8 | 86.3 | 10.3 |
| Bell | 778 | 600 | 612 | 697 | 717 | 672 | 6.7 | 4.6 | 2.0 | 0.73 | 33.5 | 87.6 | 7.2 |
| Boone | 3,160 | 3,337 | 3,507 | 3,691 | 3,333 | 3,424 | -2.7 | 3.6 | 0.2 | 0.34 | 24.1 | 93.3 | 7.1 |
| Bourbon | 716 | 717 | 684 | 625 | 564 | 686 | -17.7 | 5.3 | 0.8 | 0.79 | 27.8 | 85.7 | 8.8 |
| Boyd | 2,060 | 2,009 | 2,073 | 1,915 | 1,822 | 2,014 | -9.5 | 3.4 | 0.7 | 0.29 | 25.8 | 91.3 | 5.9 |
| Boyle | 951 | 965 | 941 | 949 | 847 | 952 | -11.0 | 3.2 | 0.3 | 0.71 | 25.9 | 91.8 | 6.3 |
| Bracken | 250 | 250 | 279 | 271 | 264 | 263 | 0.6 | 4.9 | 0.2 | 1.14 | 28.5 | 82.1 | 8.1 |
| Breathitt | 405 | 429 | 450 | 442 | 457 | 432 | 5.9 | 7.0 | 2.2 | 1.56 | 47.5 | 87.5 | 9.3 |
| Breckinridge | 343 | 241 | 281 | 300 | 323 | 291 | 10.9 | 5.4 | 0.1 | 1.28 | 39.3 | 89.8 | 3.8 |
| Bullitt | 1,235 | 1,295 | 1,325 | 1,324 | 1,279 | 1,295 | -1.2 | 5.6 | 0.3 | 0.67 | 28.9 | 90.9 | 4.6 |
| Butler | 249 | 260 | 220 | 231 | 271 | 240 | 12.9 | 6.3 | 0.7 | 1.95 | 33.5 | 85.8 | 9.9 |
| Caldwell | 374 | 345 | 323 | 355 | 304 | 349 | -13.0 | 4.8 | 0.9 | 1.12 | 27.7 | 89.6 | 9.5 |
| Calloway | 501 | 408 | 970 | 1,024 | 1,005 | 726 | 38.5 | 5.0 | 0.5 | 0.79 | 27.3 | 88.7 | 6.1 |
| Campbell | 2,717 | 2,674 | 3,027 | 2,746 | 2,614 | 2,791 | -6.3 | 4.4 | 0.4 | 0.27 | 20.4 | 92.2 | 5.7 |
| Carlisle | 38 | 88 | 35 | 69 | 68 | 58 | 18.3 | 4.0 | 0.3 | 2.68 | 39.3 | 89.1 | 7.7 |
| Carroll | 461 | 401 | 474 | 441 | 437 | 444 | -1.6 | 6.2 | 0.5 | 0.59 | 26.3 | 86.6 | 7.9 |
| Carter | 723 | 741 | 721 | 659 | 666 | 711 | -6.3 | 5.5 | 1.1 | 1.23 | 32.7 | 85.8 | 13.7 |
| Casey | 269 | 169 | 257 | 264 | 275 | 240 | 14.7 | 7.8 | 1.1 | 1.94 | 33.6 | 80.7 | 11.3 |
| Christian | 2,066 | 1,888 | 1,973 | 1,913 | 1,862 | 1,960 | -5.0 | 4.6 | 0.4 | 0.60 | 28.1 | 92.3 | 9.4 |
| Clark | 1,215 | 1,162 | 1,260 | 1,195 | 1,110 | 1,208 | -8.1 | 4.2 | 0.5 | 0.64 | 22.8 | 92.9 | 6.0 |
| Clay | 443 | 478 | 455 | 503 | 514 | 470 | 9.4 | 5.7 | 3.2 | 1.88 | 41.7 | 86.1 | 9.8 |
| Clinton | 136 | 142 | 175 | 162 | 164 | 154 | 6.7 | 4.5 | 0.9 | 1.54 | 27.6 | 79.2 | 5.4 |
| Crittenden | 193 | 251 | 222 | 220 | 250 | 222 | 12.9 | 5.5 | 1.2 | 1.14 | 36.5 | 88.3 | 7.1 |
| Cumberland | 127 | 65 | 84 | 100 | 73 | 94 | -22.3 | 4.0 | 1.1 | 4.01 | 32.5 | 79.6 | 5.3 |
| Daviess | 3,403 | 3,442 | 3,229 | 3,576 | 3,482 | 3,413 | 2.0 | 4.1 | 0.5 | 0.33 | 23.3 | 92.2 | 5.2 |
| Edmonson | 235 | 220 | 247 | 230 | 267 | 233 | 14.6 | 5.2 | 0.4 | 1.50 | 34.9 | 87.8 | 13.4 |
| Elliott | 84 | 118 | 60 | 159 | 144 | 105 | 36.8 | 10.6 | 0.9 | 1.59 | 38.1 | 84.0 | 12.2 |
| Estill | 423 | 436 | 399 | 306 | 288 | 391 | -26.3 | 6.7 | 1.1 | 0.76 | 33.3 | 87.5 | 12.6 |
| Fayette | 12,710 | 12,219 | 12,324 | 13,040 | 13,007 | 12,573 | 3.4 | 4.2 | 0.4 | 0.19 | 22.6 | 95.3 | 5.2 |
| Fleming | 305 | 298 | 293 | 246 | 254 | 286 | -11.0 | 5.4 | 0.6 | 1.36 | 33.6 | 81.6 | 8.2 |
| Floyd | 1,079 | 1,086 | 1,048 | 1,004 | 1,073 | 1,054 | 1.8 | 6.0 | 2.4 | 1.17 | 46.3 | 88.8 | 10.6 |
| Franklin | 1,563 | 1,489 | 1,567 | 1,731 | 1,815 | 1,588 | 14.3 | 4.3 | 0.4 | 0.47 | 22.0 | 90.6 | 8.9 |
| Fulton | 203 | 221 | 158 | 237 | 182 | 205 | -11.1 | 5.6 | 0.9 | 1.30 | 32.2 | 85.4 | 4.5 |
| Gallatin | 215 | 230 | 226 | 202 | 203 | 218 | -7.0 | 6.3 | 0.4 | 0.56 | 35.0 | 87.9 | 13.1 |
| Garrard | 424 | 402 | 420 | 398 | 374 | 411 | -9.0 | 5.4 | 0.5 | 0.69 | 32.7 | 87.9 | 17.2 |
| Grant | 858 | 864 | 902 | 915 | 865 | 885 | -2.2 | 3.7 | 0.2 | 0.68 | 26.6 | 91.2 | 10.8 |
| Graves | 1,053 | 998 | 988 | 895 | 902 | 984 | -8.3 | 4.1 | 0.5 | 0.83 | 28.6 | 91.3 | 7.8 |
| Grayson | 395 | 459 | 290 | 747 | 762 | 473 | 61.2 | 4.8 | 0.5 | 1.17 | 38.1 | 88.1 | 9.5 |
| Green | 294 | 276 | 245 | 231 | 265 | 262 | 1.3 | 4.8 | 0.2 | 0.92 | 31.0 | 89.2 | 3.8 |
| Greenup | 845 | 750 | 738 | 791 | 834 | 781 | 6.8 | 5.4 | 1.3 | 0.71 | 31.3 | 90.8 | 10.1 |
| Hancock | 189 | 195 | 179 | 137 | 140 | 175 | -20.0 | 5.4 | 0.2 | 1.67 | 32.1 | 85.5 | 6.2 |
| Hardin | 2,769 | 2,558 | 2,611 | 2,773 | 2,744 | 2,678 | 2.5 | 3.3 | 0.3 | 0.55 | 24.6 | 94.1 | 6.3 |
| Harlan | 806 | 763 | 709 | 735 | 692 | 753 | -8.1 | 5.4 | 1.7 | 1.03 | 35.2 | 88.5 | 12.6 |
| Harrison | 572 | 544 | 520 | 584 | 556 | 555 | 0.2 | 4.8 | 0.5 | 0.68 | 26.5 | 88.3 | 5.9 |
| Hart | 329 | 428 | 524 | 417 | 413 | 425 | -2.7 | 4.4 | 0.5 | 1.80 | 32.8 | 91.9 | 8.8 |
| Henderson | 1,897 | 1,958 | 1,865 | 2,028 | 1,834 | 1,937 | -5.3 | 3.5 | 0.4 | 0.39 | 24.3 | 94.4 | 6.5 |
| Henry | 398 | 369 | 373 | 439 | 434 | 395 | 9.9 | 6.6 | 0.3 | 1.14 | 30.7 | 85.1 | 15.2 |
| Hickman | 122 | 96 | 119 | 100 | 84 | 109 | -23.1 | 6.1 | 1.0 | 1.34 | 36.7 | 87.3 | 9.0 |
| Hopkins | 1,697 | 1,749 | 1,611 | 1,565 | 1,520 | 1,656 | -8.2 | 2.8 | 0.5 | 0.49 | 23.9 | 93.8 | 9.0 |
| Jackson | 262 | 273 | 327 | 261 | 300 | 281 | 6.9 | 6.3 | 1.5 | 1.19 | 39.1 | 83.2 | 14.9 |
| Jefferson | 29,609 | 23,244 | 28,013 | 29,214 | 26,674 | 27,520 | -3.1 | 3.4 | 0.2 | 0.26 | 23.0 | 93.5 | 3.5 |
| Jessamine | 1,266 | 1,188 | 1,188 | 1,344 | 1,372 | 1,247 | 10.1 | 5.0 | 0.5 | 0.49 | 25.0 | 91.3 | 8.2 |
| Johnson | 510 | 561 | 552 | 600 | 590 | 556 | 6.2 | 5.4 | 3.6 | 0.75 | 40.0 | 88.4 | 8.0 |
| Kenton | 5,539 | 5,422 | 6,011 | 5,666 | 5,387 | 5,660 | -4.8 | 4.5 | 0.4 | 0.19 | 21.3 | 92.2 | 7.3 |
| Knott | 324 | 365 | 373 | 347 | 402 | 352 | 14.1 | 5.4 | 1.4 | 1.66 | 44.5 | 88.2 | 8.2 |
| Knox | 769 | 738 | 787 | 849 | 841 | 786 | 7.0 | 5.3 | 2.6 | 0.88 | 37.0 | 87.5 | 14.5 |

TABLE 14. MISCELLANEOUS CRASH DATA FOR EACH COUNTY (continued)

| COUNTY | NUMBER OF CRASHES BY YEAR | | | | | 1997-2000 AVERAGE | 2001 PERCENT CHANGE* | PERCENT OF CRASHES INVOLVING ALCOHOL | PERCENT OF CRASHES INVOLVING DRUGS | PERCENT FATAL CRASHES | PERCENT INJURY OR FATAL CRASHES | PERCENT OF DRIVERS USING SAFETY BELTS | PERCENT OF CRASHES INVOLVING SPEEDING |
|------------|---------------------------|-------|-------|-------|-------|----------------------|----------------------------|---|---|-----------------------------|--|---|--|
| | 1997 | 1998 | 1999 | 2000 | 2001 | | | | | | | | |
| Larue | 321 | 358 | 335 | 355 | 327 | 342 | -4.5 | 4.7 | 0.2 | 1.12 | 28.2 | 89.4 | 6.8 |
| Laurel | 1,665 | 1,669 | 1,648 | 1,703 | 1,793 | 1,671 | 7.3 | 3.5 | 1.3 | 0.73 | 29.0 | 92.2 | 7.1 |
| Lawrence | 282 | 310 | 329 | 293 | 297 | 304 | -2.1 | 5.7 | 2.2 | 1.26 | 35.2 | 86.7 | 7.8 |
| Lee | 129 | 116 | 138 | 104 | 75 | 122 | -38.4 | 7.5 | 1.4 | 2.14 | 35.8 | 83.2 | 13.5 |
| Leslie | 265 | 242 | 308 | 248 | 276 | 266 | 3.9 | 6.9 | 3.5 | 2.32 | 52.7 | 82.5 | 12.9 |
| Letcher | 577 | 590 | 649 | 557 | 520 | 593 | -12.3 | 6.0 | 1.5 | 1.07 | 41.9 | 86.7 | 9.4 |
| Lewis | 332 | 326 | 335 | 269 | 247 | 316 | -21.7 | 7.5 | 0.7 | 2.39 | 34.3 | 79.3 | 10.7 |
| Lincoln | 398 | 408 | 389 | 506 | 374 | 425 | -12.1 | 6.6 | 0.6 | 1.16 | 38.9 | 83.2 | 16.4 |
| Livingston | 180 | 219 | 222 | 240 | 215 | 215 | -0.1 | 5.6 | 0.7 | 0.65 | 34.1 | 90.5 | 8.6 |
| Logan | 712 | 668 | 714 | 646 | 668 | 685 | -2.5 | 4.8 | 0.6 | 0.76 | 29.6 | 85.4 | 5.9 |
| Lyon | 262 | 229 | 245 | 239 | 201 | 244 | -17.5 | 3.6 | 0.6 | 1.02 | 30.1 | 90.0 | 12.5 |
| McCracken | 2,927 | 2,637 | 2,904 | 2,562 | 2,565 | 2,758 | -7.0 | 3.9 | 0.4 | 0.51 | 28.7 | 93.6 | 4.5 |
| McCreary | 271 | 260 | 319 | 330 | 345 | 295 | 16.9 | 5.9 | 1.0 | 1.51 | 35.9 | 87.7 | 14.7 |
| McLean | 272 | 233 | 226 | 228 | 233 | 240 | -2.8 | 4.6 | 0.3 | 0.92 | 31.3 | 85.7 | 9.8 |
| Madison | 2,590 | 2,646 | 2,541 | 2,615 | 2,628 | 2,598 | 1.2 | 5.2 | 0.4 | 0.66 | 24.6 | 90.4 | 11.3 |
| Magoffin | 297 | 255 | 225 | 245 | 241 | 256 | -5.7 | 8.6 | 3.3 | 1.19 | 50.4 | 85.0 | 9.5 |
| Marion | 480 | 472 | 499 | 524 | 498 | 494 | 0.9 | 10.7 | 0.3 | 0.93 | 29.1 | 82.7 | 8.5 |
| Marshall | 757 | 777 | 710 | 795 | 890 | 760 | 17.1 | 4.1 | 0.6 | 0.89 | 29.5 | 89.7 | 8.7 |
| Martin | 222 | 303 | 253 | 285 | 265 | 266 | -0.3 | 6.3 | 4.2 | 0.90 | 42.1 | 84.1 | 10.7 |
| Mason | 820 | 806 | 824 | 730 | 630 | 795 | -20.8 | 5.0 | 0.5 | 0.89 | 22.9 | 85.5 | 6.1 |
| Meade | 484 | 522 | 544 | 520 | 480 | 518 | -7.2 | 6.1 | 0.5 | 1.29 | 32.5 | 88.9 | 6.1 |
| Menifee | 114 | 104 | 134 | 91 | 109 | 111 | -1.6 | 10.0 | 0.2 | 1.09 | 41.1 | 79.3 | 17.8 |
| Mercer | 652 | 662 | 531 | 599 | 581 | 611 | -4.9 | 5.0 | 0.7 | 0.46 | 29.2 | 88.5 | 11.5 |
| Metcalfe | 232 | 191 | 163 | 248 | 247 | 209 | 18.5 | 4.3 | 0.1 | 1.48 | 29.3 | 77.0 | 6.3 |
| Monroe | 145 | 161 | 250 | 195 | 175 | 188 | -6.8 | 5.5 | 0.5 | 1.40 | 31.6 | 79.0 | 5.3 |
| Montgomery | 726 | 706 | 720 | 826 | 809 | 745 | 8.7 | 5.5 | 0.3 | 0.82 | 27.4 | 89.5 | 6.2 |
| Morgan | 317 | 310 | 305 | 309 | 344 | 310 | 10.9 | 4.5 | 0.0 | 1.26 | 39.7 | 87.0 | 15.0 |
| Muhlenberg | 988 | 985 | 901 | 956 | 893 | 958 | -6.7 | 4.1 | 0.8 | 0.89 | 29.7 | 86.8 | 8.6 |
| Nelson | 1,081 | 1,007 | 1,220 | 1,206 | 1,201 | 1,129 | 6.4 | 5.2 | 0.3 | 0.89 | 25.4 | 91.4 | 8.1 |
| Nicholas | 175 | 163 | 185 | 168 | 170 | 173 | -1.6 | 9.3 | 1.4 | 1.16 | 31.7 | 79.8 | 9.9 |
| Ohio | 577 | 506 | 474 | 608 | 626 | 541 | 15.7 | 4.1 | 0.6 | 1.04 | 34.8 | 90.8 | 8.7 |
| Oldham | 892 | 915 | 986 | 867 | 807 | 915 | -11.8 | 3.3 | 0.4 | 0.43 | 26.4 | 94.1 | 10.0 |
| Owen | 268 | 231 | 223 | 269 | 210 | 248 | -15.2 | 6.8 | 0.1 | 0.83 | 34.4 | 84.1 | 18.7 |
| Owsley | 64 | 46 | 129 | 87 | 50 | 82 | -38.7 | 9.8 | 1.1 | 1.33 | 32.7 | 79.4 | 10.4 |
| Pendleton | 385 | 392 | 378 | 381 | 392 | 384 | 2.1 | 6.6 | 0.7 | 0.99 | 30.1 | 87.8 | 8.2 |
| Perry | 1,019 | 1,011 | 993 | 1,048 | 1,005 | 1,018 | -1.3 | 5.0 | 1.4 | 0.79 | 37.5 | 90.0 | 6.4 |
| Pike | 2,269 | 2,310 | 2,007 | 2,056 | 2,085 | 2,161 | -3.5 | 5.6 | 2.3 | 1.03 | 43.2 | 89.4 | 17.2 |
| Powell | 343 | 350 | 370 | 323 | 316 | 347 | -8.8 | 5.1 | 0.7 | 1.29 | 33.5 | 85.4 | 9.1 |
| Pulaski | 1,753 | 1,788 | 1,737 | 1,677 | 1,869 | 1,739 | 7.5 | 3.5 | 0.7 | 0.74 | 26.2 | 90.9 | 7.1 |
| Robertson | 17 | 9 | 15 | 46 | 34 | 22 | 56.3 | 10.7 | 0.0 | 0.83 | 39.7 | 79.6 | 9.1 |
| Rockcastle | 441 | 472 | 505 | 443 | 437 | 465 | -6.1 | 3.4 | 1.0 | 1.04 | 33.5 | 85.5 | 9.4 |
| Rowan | 813 | 794 | 912 | 905 | 912 | 856 | 6.5 | 3.6 | 0.4 | 0.46 | 27.3 | 89.6 | 9.4 |
| Russell | 338 | 297 | 339 | 366 | 221 | 335 | -34.0 | 6.1 | 1.2 | 0.96 | 30.2 | 83.9 | 8.5 |
| Scott | 1,392 | 1,248 | 1,283 | 1,345 | 1,233 | 1,317 | -6.4 | 3.8 | 0.2 | 0.52 | 26.3 | 91.9 | 7.5 |
| Shelby | 1,036 | 1,023 | 1,060 | 1,229 | 1,194 | 1,087 | 9.8 | 5.3 | 0.3 | 0.96 | 25.4 | 90.8 | 7.1 |
| Simpson | 540 | 570 | 564 | 520 | 560 | 549 | 2.1 | 4.1 | 0.5 | 0.98 | 26.7 | 86.6 | 6.0 |
| Spencer | 187 | 209 | 197 | 235 | 186 | 207 | -10.1 | 7.5 | 0.7 | 1.58 | 34.3 | 85.9 | 12.2 |
| Taylor | 796 | 722 | 748 | 688 | 719 | 739 | -2.6 | 4.2 | 0.5 | 0.44 | 23.1 | 84.2 | 6.1 |
| Todd | 269 | 270 | 235 | 225 | 214 | 250 | -14.3 | 4.5 | 0.7 | 1.07 | 33.1 | 80.7 | 10.9 |
| Trigg | 320 | 312 | 322 | 264 | 324 | 305 | 6.4 | 3.8 | 0.5 | 0.91 | 32.2 | 89.7 | 5.6 |
| Trimble | 209 | 202 | 206 | 208 | 197 | 206 | -4.5 | 5.0 | 0.4 | 0.88 | 30.4 | 87.7 | 12.5 |
| Union | 438 | 472 | 457 | 469 | 406 | 459 | -11.5 | 5.9 | 0.4 | 0.67 | 31.7 | 88.2 | 12.2 |
| Warren | 4,125 | 4,070 | 3,893 | 4,003 | 4,200 | 4,023 | 4.4 | 3.8 | 0.5 | 0.36 | 26.4 | 91.8 | 8.7 |
| Washington | 293 | 312 | 269 | 268 | 276 | 286 | -3.3 | 6.4 | 0.1 | 1.20 | 30.6 | 83.4 | 10.2 |
| Wayne | 461 | 465 | 491 | 492 | 343 | 477 | -28.1 | 3.8 | 0.6 | 0.93 | 30.7 | 80.9 | 6.7 |
| Webster | 398 | 425 | 346 | 400 | 340 | 392 | -13.3 | 4.5 | 0.5 | 0.89 | 33.1 | 92.4 | 9.1 |
| Whitley | 1,053 | 1,029 | 959 | 1,013 | 944 | 1,014 | -6.9 | 4.2 | 1.1 | 1.18 | 30.2 | 89.4 | 11.9 |
| Wolfe | 248 | 182 | 205 | 205 | 156 | 210 | -25.7 | 5.9 | 0.9 | 2.41 | 35.9 | 85.8 | 10.6 |
| Woodford | 721 | 671 | 639 | 712 | 692 | 686 | 0.9 | 6.3 | 0.3 | 0.84 | 24.5 | 91.7 | 9.2 |

STATEWIDE 134,161,125,698 132,216 135,079,130,190 131,789 -1.2 4.3 0.6 0.57 26.9 91.4 7.0

* Percent change in the 2001 crash total from the previous four-year total

TABLE 15. CRASH RATES FOR CITIES HAVING POPULATION OVER 2,500
(FOR STATE-MAINTAINED SYSTEM AND ALL ROADS FOR 1997-2001)

| CITY | POPULATION | STATE-MAINTAINED SYSTEM | | ALL ROADS | |
|------------------|------------|-------------------------|-------------|---------------|--------------|
| | | TOTAL CRASHES | CRASH RATE* | TOTAL CRASHES | CRASH RATE** |
| Lexington | 260,512 | 10,535 | 543 | 49,852 | 38 |
| Louisville | 256,231 | 29,294 | 255 | 63,112 | 49 |
| Owensboro | 54,067 | 3,165 | 475 | 9,949 | 37 |
| Bowling Green | 49,296 | 7,033 | 508 | 12,097 | 49 |
| Covington | 43,370 | 4,541 | 319 | 8,819 | 41 |
| Hopkinsville | 30,089 | 3,767 | 320 | 5,069 | 34 |
| Frankfort | 27,741 | 3,451 | 366 | 4,290 | 31 |
| Henderson | 27,373 | 2,795 | 304 | 5,564 | 41 |
| Richmond | 27,152 | 1,423 | 678 | 5,337 | 39 |
| Jeffersonton | 26,633 | 1,249 | 445 | 3,867 | 29 |
| Paducah | 26,307 | 2,352 | 309 | 7,076 | 54 |
| Florence | 23,551 | 4,661 | 308 | 7,034 | 60 |
| Elizabethtown | 22,542 | 4,024 | 298 | 5,063 | 45 |
| Ashland | 21,981 | 2,434 | 493 | 4,812 | 44 |
| Radcliff | 21,961 | 1,391 | 310 | 2,271 | 21 |
| Nicholasville | 19,680 | 1,816 | 454 | 2,809 | 29 |
| Madisonville | 19,307 | 2,042 | 538 | 3,647 | 38 |
| Georgetown | 18,080 | 836 | 373 | 2,739 | 30 |
| Newport | 17,048 | 2,377 | 902 | 3,589 | 42 |
| Winchester | 16,724 | 1,220 | 349 | 3,185 | 38 |
| Erlanger | 16,676 | 1,721 | 946 | 3,235 | 39 |
| Fort Thomas | 16,495 | 288 | 390 | 1,007 | 12 |
| Saint Matthews | 15,852 | 523 | 927 | 2,619 | 33 |
| Danville | 15,477 | 1,202 | 734 | 2,928 | 38 |
| Shively | 15,157 | 804 | 747 | 3,739 | 49 |
| Independence | 14,982 | 1,468 | 408 | 1,420 | 19 |
| Murray | 14,950 | 1,020 | 329 | 1,357 | 18 |
| Glasgow | 13,019 | 727 | 199 | 2,727 | 42 |
| Somerset | 11,352 | 1,871 | 406 | 3,407 | 60 |
| Campbellsville | 10,498 | 995 | 439 | 2,013 | 38 |
| Middlesboro | 10,384 | 783 | 241 | 1,392 | 27 |
| Bardstown | 10,374 | 1,201 | 382 | 2,196 | 42 |
| Mayfield | 10,349 | 596 | 489 | 1,812 | 35 |
| Shelbyville | 10,085 | 1,088 | 394 | 1,846 | 37 |
| Berea | 9,851 | 889 | 501 | 1,400 | 28 |
| Edgewood | 9,400 | 113 | 607 | 726 | 15 |
| Lyndon | 9,369 | *** | *** | 95 | 2 |
| Paris | 9,183 | 856 | 371 | 1,498 | 33 |
| Lawrenceburg | 9,014 | 470 | 505 | 750 | 17 |
| Maysville | 8,993 | 946 | 243 | 2,099 | 47 |
| Mount Washington | 8,485 | 286 | 232 | 762 | 18 |
| Shepherdsville | 8,334 | 608 | 570 | 1,461 | 35 |
| Alexandria | 8,286 | 562 | 388 | 1,009 | 24 |
| Elsmere | 8,139 | 267 | 492 | 605 | 15 |
| Fort Mitchell | 8,089 | 378 | 643 | 1,206 | 30 |
| Harrodsburg | 8,014 | 603 | 512 | 1,390 | 35 |
| Franklin | 7,996 | 532 | 362 | 1,115 | 28 |
| Villa Hills | 7,948 | 23 | 154 | 290 | 7 |
| Corbin | 7,742 | 665 | 316 | 1,940 | 50 |
| Flatwoods | 7,605 | 124 | 149 | 530 | 14 |
| Versailles | 7,511 | 697 | 399 | 1,215 | 32 |
| Russellville | 7,149 | 610 | 197 | 1,355 | 38 |
| Oak Grove | 7,064 | *** | *** | 951 | 27 |
| Taylor Mill | 6,913 | 134 | 326 | 968 | 28 |
| Highland Heights | 6,554 | 507 | 143 | 715 | 22 |
| Princeton | 6,536 | 299 | 135 | 815 | 25 |
| Bellevue | 6,480 | 153 | 248 | 944 | 29 |
| Pikeville | 6,295 | 791 | 217 | 1,706 | 54 |
| Cynthiana | 6,258 | 645 | 691 | 1,119 | 36 |
| Leitchfield | 6,139 | 568 | 252 | 542 | 18 |
| Monticello | 5,981 | 504 | 212 | 1,264 | 42 |
| Dayton | 5,966 | 7 | 161 | 419 | 14 |
| Morehead | 5,914 | 931 | 454 | 1,783 | 60 |
| Wilmore | 5,905 | 140 | 417 | 187 | 6 |

TABLE 15. CRASH RATES FOR CITIES HAVING POPULATION OVER 2,500
(FOR STATE-MAINTAINED SYSTEM AND ALL ROADS FOR 1997-2001)(continued)

| CITY | POPULATION | STATE-MAINTAINED SYSTEM | | ALL ROADS | |
|------------------|------------|-------------------------|----------------|------------------|-----------------|
| | | TOTAL CRASHES | CRASH RATE* | TOTAL CRASHES | CRASH RATE** |
| Central City | 5,893 | 388 | 221 | 790 | 27 |
| Mount Sterling | 5,876 | 716 | 438 | 1,414 | 48 |
| Middletown | 5,744 | *** | *** | 153 | 5 |
| Lebanon | 5,718 | 689 | 496 | 1,033 | 36 |
| London | 5,692 | 1,867 | 393 | 2,614 | 92 |
| Fort Wright | 5,681 | 580 | 451 | 1,668 | 59 |
| La Grange | 5,676 | 244 | 328 | 786 | 28 |
| Williamsburg | 5,143 | 340 | 134 | 773 | 30 |
| Westwood | 4,888 | *** | *** | *** | *** |
| Hazard | 4,806 | 510 | 205 | 1,838 | 77 |
| Ludlow | 4,409 | 47 | 225 | 239 | 11 |
| Greenville | 4,398 | 450 | 461 | 709 | 32 |
| Scottsville | 4,327 | 485 | 416 | 868 | 40 |
| Benton | 4,197 | 601 | 440 | 714 | 34 |
| Vine Grove | 4,169 | 247 | 261 | 284 | 14 |
| Paintsville | 4,132 | 574 | 370 | 944 | 46 |
| Columbia | 4,014 | 352 | 228 | 830 | 41 |
| Crescent Springs | 3,931 | *** | *** | 622 | 32 |
| Grayson | 3,877 | 164 | 211 | 865 | 45 |
| Carrollton | 3,846 | 254 | 411 | 714 | 37 |
| Cold Spring | 3,806 | 598 | 419 | 800 | 42 |
| Lancaster | 3,734 | 231 | 660 | 563 | 30 |
| Russell | 3,645 | 268 | 242 | 660 | 36 |
| Prestonsburg | 3,612 | 559 | 326 | 1,022 | 57 |
| Providence | 3,611 | 262 | 318 | 287 | 16 |
| Barbourville | 3,589 | 393 | 214 | 699 | 39 |
| Morganfield | 3,494 | 380 | 552 | 571 | 33 |
| Southgate | 3,472 | 118 | 341 | 419 | 24 |
| Stanford | 3,430 | 104 | 83 | 328 | 19 |
| West Liberty | 3,277 | 284 | 415 | 380 | 23 |
| Williamstown | 3,227 | *** | *** | 547 | 34 |
| Marion | 3,196 | 242 | 374 | 394 | 25 |
| Beaver Dam | 3,033 | 97 | 171 | 475 | 31 |
| Stanton | 3,029 | 160 | 136 | 380 | 25 |
| Flemingsburg | 3,010 | 79 | 124 | 348 | 23 |
| Dawson Springs | 2,980 | 154 | 335 | 241 | 16 |
| Park Hills | 2,977 | 126 | 560 | 177 | 12 |
| Union | 2,893 | *** | *** | 330 | 23 |
| Crestview Hills | 2,889 | *** | *** | 817 | 57 |
| Indian Hills | 2,882 | *** | *** | 31 | 2 |
| Hodgenville | 2,874 | 242 | 336 | 595 | 41 |
| Lakeside Park | 2,869 | 304 | 479 | 361 | 25 |
| Irvine | 2,843 | 234 | 439 | 540 | 38 |
| Fulton | 2,775 | 175 | 156 | 374 | 27 |
| Calvert City | 2,701 | 181 | 136 | 255 | 19 |
| Tompkinsville | 2,660 | 97 | 124 | 493 | 37 |
| Springfield | 2,634 | 358 | 469 | 469 | 36 |
| Wilder | 2,624 | *** | *** | 529 | 40 |
| Cumberland | 2,611 | 67 | 93 | 230 | 18 |
| Mount Vernon | 2,592 | 213 | 319 | 596 | 46 |
| Hartford | 2,571 | 65 | 179 | 141 | 11 |
| Hickman | 2,560 | 37 | 102 | 124 | 10 |
| Morgantown | 2,544 | 104 | 166 | 414 | 33 |

* Crashes per 100 million vehicle-miles.

** Crashes per 1,000 population.

*** No data available.

TABLE 16. MISCELLANEOUS CRASH DATA FOR CITIES HAVING POPULATION OVER 2,500 (1997-2001) (ALL ROADS)

| CITY | POPULATION | FATAL CRASHES | | PEDESTRIAN MOTOR VEHICLE CRASHES | | BICYCLE-RELATED MOTOR VEHICLE CRASHES | | MOTORCYCLE CRASHES | | PERCENT OF CRASHES INVOLVING SPEEDING | PERCENT OF CRASHES INVOLVING ALCOHOL |
|------------------|------------|---------------|-------|----------------------------------|-------|---------------------------------------|-------|--------------------|-------|---------------------------------------|--------------------------------------|
| | | NUMBER | RATE* | NUMBER | RATE* | NUMBER | RATE* | NUMBER | RATE* | | |
| Lexington | 260,512 | 92 | 0.71 | 515 | 4.00 | 288 | 2.20 | 225 | 1.7 | 5.2 | 4.0 |
| Louisville | 256,231 | 121 | 0.94 | 994 | 7.80 | 573 | 4.50 | 369 | 2.9 | 2.7 | 2.9 |
| Owensboro | 54,067 | 13 | 0.48 | 73 | 2.70 | 95 | 3.50 | 55 | 2.0 | 2.9 | 3.3 |
| Bowling Green | 49,296 | 16 | 0.65 | 73 | 3.00 | 48 | 1.90 | 64 | 2.6 | 6.5 | 2.9 |
| Covington | 43,370 | 8 | 0.37 | 235 | 10.80 | 89 | 4.10 | 37 | 1.7 | 4.7 | 4.5 |
| Hopkinsville | 30,089 | 14 | 0.93 | 61 | 4.10 | 41 | 2.70 | 21 | 1.4 | 8.3 | 3.3 |
| Frankfort | 27,741 | 10 | 0.72 | 30 | 2.20 | 16 | 1.20 | 23 | 1.7 | 6.0 | 3.3 |
| Henderson | 27,373 | 11 | 0.80 | 55 | 4.00 | 50 | 3.70 | 35 | 2.6 | 4.2 | 2.6 |
| Richmond | 27,152 | 13 | 0.96 | 30 | 2.20 | 21 | 1.50 | 29 | 2.1 | 5.6 | 4.5 |
| Jeffersonton | 26,633 | 4 | 0.30 | 16 | 1.20 | 16 | 1.20 | 13 | 1.0 | 3.6 | 2.2 |
| Paducah | 26,307 | 16 | 1.22 | 42 | 3.20 | 38 | 2.90 | 55 | 4.2 | 3.7 | 3.0 |
| Florence | 23,551 | 12 | 1.02 | 39 | 3.30 | 34 | 2.90 | 23 | 2.0 | 4.4 | 2.5 |
| Elizabethtown | 22,542 | 11 | 0.98 | 17 | 1.50 | 20 | 1.80 | 26 | 2.3 | 4.1 | 1.8 |
| Ashland | 21,981 | 7 | 0.64 | 31 | 2.80 | 22 | 2.00 | 39 | 3.5 | 4.2 | 2.2 |
| Radcliff | 21,961 | 4 | 0.36 | 15 | 1.40 | 9 | 0.80 | 14 | 1.3 | 2.0 | 2.8 |
| Nicholasville | 19,680 | 6 | 0.61 | 39 | 4.00 | 20 | 2.00 | 11 | 1.1 | 4.7 | 4.1 |
| Madisonville | 19,307 | 6 | 0.62 | 24 | 2.50 | 26 | 2.70 | 37 | 3.8 | 3.9 | 1.8 |
| Georgetown | 18,080 | 4 | 0.44 | 17 | 1.90 | 7 | 0.80 | 10 | 1.1 | 3.1 | 2.5 |
| Newport | 17,048 | 3 | 0.35 | 102 | 12.00 | 67 | 7.90 | 25 | 2.9 | 3.0 | 5.3 |
| Winchester | 16,724 | 4 | 0.48 | 29 | 3.50 | 13 | 1.60 | 22 | 2.6 | 2.5 | 3.2 |
| Erlanger | 16,676 | 9 | 1.08 | 19 | 2.30 | 21 | 2.50 | 21 | 2.5 | 10.6 | 4.0 |
| Fort Thomas | 16,495 | 4 | 0.48 | 16 | 1.90 | 7 | 0.80 | 5 | 0.6 | 7.2 | 3.6 |
| Saint Matthews | 15,852 | 4 | 0.50 | 17 | 2.10 | 9 | 1.10 | 4 | 0.5 | 1.8 | 1.9 |
| Danville | 15,477 | 12 | 1.55 | 18 | 2.30 | 12 | 1.60 | 10 | 1.3 | 4.3 | 2.3 |
| Shively | 15,157 | 6 | 0.79 | 46 | 6.10 | 24 | 3.20 | 20 | 2.6 | 3.3 | 4.4 |
| Independence | 14,982 | 4 | 0.53 | 17 | 2.30 | 4 | 0.50 | 10 | 1.3 | 6.5 | 4.9 |
| Murray | 14,950 | 2 | 0.27 | 5 | 0.70 | 7 | 0.90 | 10 | 1.3 | 4.0 | 2.1 |
| Glasgow | 13,019 | 3 | 0.46 | 12 | 1.80 | 11 | 1.70 | 18 | 2.8 | 3.1 | 2.1 |
| Somerset | 11,352 | 15 | 2.64 | 19 | 3.30 | 6 | 1.10 | 14 | 2.5 | 5.8 | 1.5 |
| Campbellsville | 10,498 | 2 | 0.38 | 13 | 2.50 | 11 | 2.10 | 9 | 1.7 | 4.8 | 2.8 |
| Middlesboro | 10,384 | 1 | 0.19 | 11 | 2.10 | 10 | 1.90 | 5 | 1.0 | 4.0 | 5.0 |
| Bardstown | 10,374 | 4 | 0.77 | 17 | 3.30 | 15 | 2.90 | 10 | 1.9 | 2.8 | 2.9 |
| Mayfield | 10,349 | 3 | 0.58 | 15 | 2.90 | 8 | 1.50 | 4 | 0.8 | 1.9 | 1.7 |
| Shelbyville | 10,085 | 10 | 1.98 | 23 | 4.60 | 9 | 1.80 | 6 | 1.2 | 3.7 | 4.1 |
| Berea | 9,851 | 6 | 1.22 | 7 | 1.40 | 9 | 1.80 | 2 | 0.4 | 4.6 | 2.5 |
| Edgewood | 9,400 | 0 | 0.00 | 6 | 1.30 | 3 | 0.60 | 2 | 0.4 | 4.1 | 1.9 |
| Lyndon | 9,369 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0.0 | 0.0 |
| Paris | 9,183 | 1 | 0.22 | 16 | 3.50 | 7 | 1.50 | 11 | 2.4 | 4.5 | 4.1 |
| Lawrenceburg | 9,014 | 2 | 0.44 | 8 | 1.80 | 5 | 1.10 | 4 | 0.9 | 2.0 | 4.1 |
| Maysville | 8,993 | 10 | 2.22 | 15 | 3.30 | 12 | 2.70 | 7 | 1.6 | 4.4 | 3.6 |
| Mount Washington | 8,485 | 1 | 0.24 | 7 | 1.60 | 1 | 0.20 | 4 | 0.9 | 2.9 | 4.9 |
| Shepherdsville | 8,334 | 9 | 2.16 | 8 | 1.90 | 3 | 0.70 | 8 | 1.9 | 2.7 | 3.8 |
| Alexandria | 8,286 | 7 | 1.69 | 1 | 0.20 | 2 | 0.50 | 7 | 1.7 | 4.4 | 2.4 |
| Elsmere | 8,139 | 0 | 0.00 | 11 | 2.70 | 6 | 1.50 | 2 | 0.5 | 7.1 | 5.0 |
| Fort Mitchell | 8,089 | 1 | 0.25 | 7 | 1.70 | 3 | 0.70 | 9 | 2.2 | 7.3 | 5.4 |
| Harrodsburg | 8,014 | 2 | 0.50 | 18 | 4.50 | 6 | 1.50 | 9 | 2.2 | 4.0 | 3.3 |
| Franklin | 7,996 | 5 | 1.25 | 9 | 2.30 | 7 | 1.80 | 6 | 1.5 | 2.8 | 3.7 |
| Villa Hills | 7,948 | 0 | 0.00 | 2 | 0.50 | 2 | 0.50 | 4 | 1.0 | 11.4 | 5.2 |
| Corbin | 7,742 | 6 | 1.55 | 13 | 3.40 | 12 | 3.10 | 9 | 2.3 | 4.6 | 2.4 |
| Flatwoods | 7,605 | 0 | 0.00 | 6 | 1.60 | 4 | 1.10 | 1 | 0.3 | 4.3 | 2.3 |
| Versailles | 7,511 | 1 | 0.27 | 15 | 4.00 | 6 | 1.60 | 5 | 1.3 | 5.1 | 3.3 |
| Russellville | 7,149 | 3 | 0.84 | 11 | 3.10 | 10 | 2.80 | 15 | 4.2 | 5.0 | 2.5 |
| Oak Grove | 7,064 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0.0 | 0.0 |
| Taylor Mill | 6,913 | 0 | 0.00 | 4 | 1.20 | 1 | 0.30 | 3 | 0.9 | 9.3 | 4.2 |
| Highland Heights | 6,554 | 1 | 0.31 | 3 | 0.90 | 5 | 1.50 | 3 | 0.9 | 8.1 | 3.2 |
| Princeton | 6,536 | 1 | 0.31 | 6 | 1.80 | 6 | 1.80 | 4 | 1.2 | 6.1 | 2.6 |
| Bellevue | 6,480 | 1 | 0.31 | 10 | 3.10 | 16 | 4.90 | 2 | 0.6 | 2.8 | 2.9 |
| Pikeville | 6,295 | 11 | 3.49 | 20 | 6.40 | 2 | 0.60 | 19 | 6.0 | 7.9 | 3.8 |
| Cynthiana | 6,258 | 1 | 0.32 | 13 | 4.20 | 9 | 2.90 | 4 | 1.3 | 2.3 | 3.0 |
| Leitchfield | 6,139 | 3 | 0.98 | 9 | 2.90 | 1 | 0.30 | 4 | 1.3 | 4.2 | 3.3 |
| Monticello | 5,981 | 6 | 2.01 | 9 | 3.00 | 9 | 3.00 | 3 | 1.0 | 6.6 | 2.7 |
| Dayton | 5,966 | 0 | 0.00 | 15 | 5.00 | 4 | 1.30 | 5 | 1.7 | 4.8 | 6.2 |

TABLE 16. MISCELLANEOUS CRASH DATA FOR CITIES HAVING POPULATION OVER 2,500 (1997-2001) (ALL ROADS)(continued)

| CITY | POPULATION | FATAL CRASHES | | PEDESTRIAN MOTOR VEHICLE CRASHES | | BICYCLE-RELATED MOTOR VEHICLE CRASHES | | MOTORCYCLE CRASHES | | PERCENT OF CRASHES INVOLVING SPEEDING | PERCENT OF CRASHES INVOLVING ALCOHOL |
|------------------|------------|---------------|-------|----------------------------------|-------|---------------------------------------|-------|--------------------|-------|---------------------------------------|--------------------------------------|
| | | NUMBER | RATE* | NUMBER | RATE* | NUMBER | RATE* | NUMBER | RATE* | | |
| Morehead | 5,914 | 5 | 1.69 | 12 | 4.10 | 6 | 2.00 | 10 | 3.4 | 3.6 | 2.5 |
| Wilmore | 5,905 | 0 | 0.00 | 0 | 0.00 | 1 | 0.30 | 0 | 0.0 | 7.5 | 1.6 |
| Central City | 5,893 | 5 | 1.70 | 2 | 0.70 | 4 | 1.40 | 7 | 2.4 | 4.3 | 3.4 |
| Mount Sterling | 5,876 | 8 | 2.72 | 15 | 5.10 | 1 | 0.30 | 5 | 1.7 | 3.3 | 3.4 |
| Middletown | 5,744 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0.0 | 0.0 |
| Lebanon | 5,718 | 1 | 0.35 | 11 | 3.80 | 10 | 3.50 | 4 | 1.4 | 4.2 | 5.0 |
| London | 5,692 | 7 | 2.46 | 9 | 3.20 | 7 | 2.50 | 7 | 2.5 | 4.2 | 1.9 |
| Fort Wright | 5,681 | 1 | 0.35 | 11 | 3.90 | 2 | 0.70 | 4 | 1.4 | 5.9 | 2.5 |
| La Grange | 5,676 | 4 | 1.41 | 5 | 1.80 | 0 | 0.00 | 2 | 0.7 | 3.8 | 1.8 |
| Williamsburg | 5,143 | 5 | 1.94 | 2 | 0.80 | 1 | 0.40 | 3 | 1.2 | 6.0 | 3.6 |
| Hazard | 4,806 | 2 | 0.83 | 15 | 6.20 | 1 | 0.40 | 5 | 2.1 | 3.2 | 2.9 |
| Ludlow | 4,409 | 0 | 0.00 | 9 | 4.10 | 4 | 1.80 | 0 | 0.0 | 2.9 | 7.1 |
| Greenville | 4,398 | 4 | 1.82 | 5 | 2.30 | 4 | 1.80 | 4 | 1.8 | 6.1 | 2.5 |
| Scottsville | 4,327 | 3 | 1.39 | 2 | 0.90 | 1 | 0.50 | 5 | 2.3 | 4.3 | 2.6 |
| Benton | 4,197 | 2 | 0.95 | 2 | 1.00 | 1 | 0.50 | 3 | 1.4 | 4.2 | 1.7 |
| Vine Grove | 4,169 | 1 | 0.48 | 0 | 0.00 | 2 | 1.00 | 1 | 0.5 | 6.7 | 7.4 |
| Paintsville | 4,132 | 4 | 1.94 | 4 | 1.90 | 1 | 0.50 | 5 | 2.4 | 2.8 | 2.0 |
| Columbia | 4,014 | 1 | 0.50 | 5 | 2.50 | 2 | 1.00 | 6 | 3.0 | 3.9 | 2.4 |
| Crescent Springs | 3,931 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0.0 | 0.0 |
| Grayson | 3,877 | 1 | 0.52 | 6 | 3.10 | 2 | 1.00 | 3 | 1.5 | 4.0 | 2.1 |
| Carrollton | 3,846 | 3 | 1.56 | 3 | 1.60 | 8 | 4.20 | 6 | 3.1 | 3.1 | 4.9 |
| Cold Spring | 3,806 | 2 | 1.05 | 5 | 2.60 | 2 | 1.10 | 7 | 3.7 | 6.0 | 3.4 |
| Lancaster | 3,734 | 1 | 0.54 | 10 | 5.40 | 1 | 0.50 | 3 | 1.6 | 5.7 | 3.2 |
| Russell | 3,645 | 0 | 0.00 | 3 | 1.60 | 4 | 2.20 | 4 | 2.2 | 4.1 | 2.9 |
| Prestonsburg | 3,612 | 6 | 3.32 | 6 | 3.30 | 0 | 0.00 | 8 | 4.4 | 4.0 | 3.6 |
| Providence | 3,611 | 1 | 0.55 | 1 | 0.60 | 7 | 3.90 | 5 | 2.8 | 5.6 | 3.5 |
| Barbourville | 3,589 | 2 | 1.11 | 6 | 3.30 | 1 | 0.60 | 2 | 1.1 | 6.4 | 2.7 |
| Morganfield | 3,494 | 0 | 0.00 | 7 | 4.00 | 4 | 2.30 | 0 | 0.0 | 7.9 | 2.8 |
| Southgate | 3,472 | 0 | 0.00 | 2 | 1.20 | 2 | 1.20 | 2 | 1.2 | 1.9 | 2.6 |
| Stanford | 3,430 | 1 | 0.58 | 1 | 0.60 | 2 | 1.20 | 3 | 1.7 | 7.3 | 3.4 |
| West Liberty | 3,277 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0.0 | 0.0 |
| Williamstown | 3,227 | 3 | 1.86 | 7 | 4.30 | 1 | 0.60 | 4 | 2.5 | 8.6 | 2.7 |
| Marion | 3,196 | 1 | 0.63 | 6 | 3.80 | 0 | 0.00 | 3 | 1.9 | 3.6 | 1.8 |
| Beaver Dam | 3,033 | 2 | 1.32 | 0 | 0.00 | 1 | 0.70 | 3 | 2.0 | 3.4 | 2.1 |
| Stanton | 3,029 | 3 | 1.98 | 2 | 1.30 | 1 | 0.70 | 0 | 0.0 | 4.5 | 4.2 |
| Flemingsburg | 3,010 | 0 | 0.00 | 2 | 1.30 | 0 | 0.00 | 1 | 0.7 | 2.9 | 2.9 |
| Dawson Springs | 2,980 | 1 | 0.67 | 2 | 1.30 | 2 | 1.30 | 4 | 2.7 | 5.8 | 3.3 |
| Park Hills | 2,977 | 0 | 0.00 | 1 | 0.70 | 1 | 0.70 | 0 | 0.0 | 18.1 | 8.5 |
| Union | 2,893 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0.0 | 0.0 |
| Crestview Hills | 2,889 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0.0 | 0.0 |
| Indian Hills | 2,882 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0.0 | 0.0 |
| Hodgenville | 2,874 | 3 | 2.09 | 6 | 4.20 | 1 | 0.70 | 3 | 2.1 | 4.2 | 2.7 |
| Lakeside Park | 2,869 | 1 | 0.70 | 6 | 4.20 | 0 | 0.00 | 3 | 2.1 | 5.3 | 3.3 |
| Irvine | 2,843 | 0 | 0.00 | 7 | 4.90 | 3 | 2.10 | 2 | 1.4 | 6.3 | 4.8 |
| Fulton | 2,775 | 1 | 0.72 | 3 | 2.20 | 6 | 4.30 | 2 | 1.4 | 2.4 | 3.5 |
| Calvert City | 2,701 | 3 | 2.22 | 1 | 0.70 | 2 | 1.50 | 4 | 3.0 | 7.1 | 1.2 |
| Tompkinsville | 2,660 | 1 | 0.75 | 5 | 3.80 | 1 | 0.80 | 2 | 1.5 | 2.4 | 2.2 |
| Springfield | 2,634 | 1 | 0.76 | 9 | 6.80 | 0 | 0.00 | 2 | 1.5 | 4.5 | 4.9 |
| Wilder | 2,624 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0.0 | 0.0 |
| Cumberland | 2,611 | 0 | 0.00 | 1 | 0.80 | 1 | 0.80 | 4 | 3.1 | 5.2 | 3.0 |
| Mount Vernon | 2,592 | 5 | 3.86 | 3 | 2.30 | 2 | 1.50 | 5 | 3.9 | 5.2 | 2.9 |
| Hartford | 2,571 | 2 | 1.56 | 0 | 0.00 | 0 | 0.00 | 2 | 1.6 | 5.7 | 3.5 |
| Hickman | 2,560 | 0 | 0.00 | 1 | 0.80 | 3 | 2.30 | 0 | 0.0 | 2.4 | 3.2 |
| Morgantown | 2,544 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.0 | 0.0 | 0.0 |
| STATEWIDE | 1,619,469 | 629 | 0.78 | 3,155 | 3.9 | 1,904 | 2.35 | 1,589 | 2.0 | 4.3 | 3.2 |

* Crashes Per 10,000 Population

TABLE 17. CRASH RATES ON STATE-MAINTAINED STREETS BY CITY AND POPULATION CATEGORY (1997-2001)

| POPULATION CATAGORY | NUMBER OF CITIES | AVERAGE RATE C/100 MVM | CITY | NUMBER OF CRASHES (1997-2001) | AVERAGE RATE C/100 MVM |
|---------------------|------------------|------------------------|------------------|-------------------------------|------------------------|
| OVER 200,000 | 2 | 296 | Lexington | 10,535 | 543 |
| | | | Louisville | 29,294 | 255 |
| 20,000-55,000 | 13 | 365 | Richmond | 1,423 | 678 |
| | | | Bowling Green | 7,033 | 508 |
| | | | Ashland | 2,434 | 493 |
| | | | Owensboro | 3,165 | 475 |
| | | | Jeffersontown | 1,249 | 445 |
| | | | Frankfort | 3,451 | 366 |
| | | | Hopkinsville | 3,767 | 320 |
| | | | Covington | 4,541 | 319 |
| | | | Radcliff | 1,391 | 310 |
| | | | Paducah | 2,352 | 309 |
| | | | Florence | 4,661 | 308 |
| | | | Henderson | 2,795 | 304 |
| | | | Elizabethtown | 4,024 | 298 |
| 10,000-19,999 | 19 | 455 | Erlanger | 1,721 | 946 |
| | | | Saint Matthews | 523 | 927 |
| | | | Newport | 2,377 | 902 |
| | | | Shively | 804 | 747 |
| | | | Danville | 1,202 | 734 |
| | | | Madisonville | 2,042 | 538 |
| | | | Mayfield | 596 | 489 |
| | | | Nicholasville | 1,816 | 454 |
| | | | Campbellsville | 995 | 439 |
| | | | Independence | 1,468 | 408 |
| | | | Somerset | 1,871 | 406 |
| | | | Shelbyville | 1,088 | 394 |
| | | | Fort Thomas | 288 | 390 |
| | | | Bardstown | 1,201 | 382 |
| | | | Georgetown | 836 | 373 |
| | | | Winchester | 1,220 | 349 |
| | | | Murray | 1,020 | 329 |
| | | | Middlesboro | 783 | 241 |
| | | | Glasgow | 727 | 199 |
| 5,000-9,999 | 35 | 318 | Cynthiana | 645 | 691 |
| | | | Fort Mitchell | 378 | 643 |
| | | | Edgewood | 113 | 607 |
| | | | Shepherdsville | 608 | 570 |
| | | | Harrodsburg | 603 | 512 |
| | | | Lawrenceburg | 470 | 505 |
| | | | Berea | 889 | 501 |
| | | | Lebanon | 689 | 496 |
| | | | Elsmere | 267 | 492 |
| | | | Morehead | 931 | 454 |
| | | | Fort Wright | 580 | 451 |
| | | | Mount Sterling | 716 | 438 |
| | | | Wilmore | 140 | 417 |
| | | | Versailles | 697 | 399 |
| | | | London | 1,867 | 393 |
| | | | Alexandria | 562 | 388 |
| | | | Paris | 856 | 371 |
| | | | Franklin | 532 | 362 |
| | | | La Grange | 244 | 328 |
| | | | Taylor Mill | 134 | 326 |
| | | | Corbin | 665 | 316 |
| | | | Leitchfield | 568 | 252 |
| | | | Bellevue | 153 | 248 |
| | | | Maysville | 946 | 243 |
| | | | Mount Washington | 286 | 232 |
| | | | Central City | 388 | 221 |

TABLE 17. CRASH RATES ON STATE-MAINTAINED STREETS BY CITY AND POPULATION
CATEGORY (1997-2001)(continued)

| POPULATION CATAGORY | NUMBER OF CITIES | AVERAGE RATE C/100 MVM | CITY | NUMBER OF CRASHES (1997-2001) | AVERAGE RATE C/100 MVM |
|------------------------|---------------------|---------------------------|------------------|-------------------------------------|---------------------------|
| 5,000-9,999 (cont.) | 35 | 318 | Pikeville | 791 | 217 |
| | | | Monticello | 504 | 212 |
| | | | Russellville | 610 | 197 |
| | | | Dayton | 7 | 161 |
| | | | Villa Hills | 23 | 154 |
| | | | Flatwoods | 124 | 149 |
| | | | Highland Heights | 507 | 143 |
| | | | Princeton | 299 | 135 |
| | | | Williamsburg | 340 | 134 |
| 2,500-4,999 | 38 | 287 | Lancaster | 231 | 660 |
| | | | Park Hills | 126 | 560 |
| | | | Morganfield | 380 | 552 |
| | | | Lakeside Park | 304 | 479 |
| | | | Springfield | 358 | 469 |
| | | | Greenville | 450 | 461 |
| | | | Benton | 601 | 440 |
| | | | Irvine | 234 | 439 |
| | | | Cold Spring | 598 | 419 |
| | | | Scottsville | 485 | 416 |
| | | | West Liberty | 284 | 415 |
| | | | Carrollton | 254 | 411 |
| | | | Marion | 242 | 374 |
| | | | Paintsville | 574 | 370 |
| | | | Southgate | 118 | 341 |
| | | | Hodgenville | 242 | 336 |
| | | | Dawson Springs | 154 | 335 |
| | | | Prestonsburg | 559 | 326 |
| | | | Mount Vernon | 213 | 319 |
| | | | Providence | 262 | 318 |
| | | | Vine Grove | 247 | 261 |
| | | | Russell | 268 | 242 |
| | | | Columbia | 352 | 228 |
| | | | Ludlow | 47 | 225 |
| | | | Barbourville | 393 | 214 |
| | | | Grayson | 164 | 211 |
| | | | Hazard | 510 | 205 |
| | | | Hartford | 65 | 179 |
| | | | Beaver Dam | 97 | 171 |
| | | | Morgantown | 104 | 166 |
| | | | Fulton | 175 | 156 |
| Calvert City | 181 | 136 | | | |
| Stanton | 160 | 136 | | | |
| Tompkinsville | 97 | 124 | | | |
| Flemingsburg | 79 | 124 | | | |
| Hickman | 37 | 102 | | | |
| Cumberland | 67 | 93 | | | |
| Stanford | 104 | 83 | | | |
| 1,000-2,499 | 58 | 222 | Dry Ridge | 296 | 782 |
| | | | Jackson | 261 | 518 |
| | | | Horse Cave | 292 | 480 |
| | | | Walton | 240 | 454 |
| | | | Clay City | 68 | 346 |
| | | | Falmouth | 155 | 339 |
| | | | Louisa | 181 | 338 |
| | | | Livermore | 69 | 335 |
| | | | Vanceburg | 63 | 323 |
| | | | Albany | 202 | 311 |
| | | | Uniontown | 18 | 308 |
| | | | Owenton | 138 | 303 |
| | | | Owingsville | 132 | 295 |

TABLE 17. CRASH RATES ON STATE-MAINTAINED STREETS BY CITY AND POPULATION
 CATEGORY (1997-2001)(continued)

| POPULATION CATAGORY | NUMBER OF CITIES | AVERAGE RATE C/100 MVM | CITY | NUMBER OF CRASHES (1997-2001) | AVERAGE RATE C/100 MVM |
|------------------------|---------------------|---------------------------|------------------|-------------------------------------|---------------------------|
| 1,000-2,499 (cont.) | 58 | 222 | Sebree | 87 | 289 |
| | | | Elkhorn City | 95 | 288 |
| | | | Salyersville | 146 | 285 |
| | | | Sturgis | 78 | 270 |
| | | | Edmonton | 159 | 268 |
| | | | Liberty | 187 | 265 |
| | | | Brandenburg | 315 | 263 |
| | | | Manchester | 354 | 256 |
| | | | Eminence | 92 | 248 |
| | | | Evarts | 74 | 242 |
| | | | Harlan | 331 | 229 |
| | | | Hardinsburg | 88 | 228 |
| | | | Cave City | 295 | 227 |
| | | | Elkton | 106 | 226 |
| | | | Jenkins | 116 | 223 |
| | | | Augusta | 1,286 | 219 |
| | | | Lacenter | 54 | 218 |
| | | | Nortonville | 52 | 213 |
| | | | Earlington | 104 | 209 |
| | | | Raceland | 59 | 206 |
| | | | Beattyville | 106 | 205 |
| | | | South Shore | 315 | 205 |
| | | | Whitesburg | 195 | 194 |
| | | | Catlettsburg | 249 | 192 |
| | | | Junction City | 24 | 182 |
| | | | Anchorage | 32 | 179 |
| | | | Cadiz | 236 | 178 |
| | | | Muldraugh | 129 | 169 |
| | | | Lewisport | 15 | 164 |
| | | | Russell Springs | 251 | 157 |
| | | | Cloverport | 62 | 157 |
| | | | Clinton | 62 | 157 |
| | | | Pineville | 86 | 152 |
| | | | Olive Hill | 57 | 139 |
| | | | Clay | 19 | 136 |
| | | | Warsaw | 15 | 134 |
| | | | Eddyville | 162 | 132 |
| | | | Carlisle | 26 | 124 |
| | | | Burkesville | 67 | 121 |
| | | | Jamestown | 108 | 113 |
| | | | Lebanon Junction | 14 | 103 |
| | | | Auburn | 41 | 102 |
| | | | Greensburg | 43 | 93 |
| | | | Worthington | 7 | 90 |
| | | | Munfordville | 141 | 68 |

TABLE 18. TOTAL CRASH RATES BY CITY AND POPULATION CATEGORY (IN DESCENDING ORDER)
(1997-2001)(ALL ROADS)

| CITY | NUMBER OF CRASHES (1997-2001) | ANNUAL CRASH RATE (CRASHES PER 1000 POPULATION) | CITY | NUMBER OF CRASHES (1997-2001) | ANNUAL CRASH RATE (CRASHES PER 1000 POPULATION) |
|-----------------------------------|-------------------------------------|--|---------------------------------|-------------------------------------|--|
| POPULATION CATEGORY OVER 200,000 | | | POPULATION CATEGORY 2,500-4,999 | | |
| Louisville | 63,112 | 49.3 * | Hazard | 1,838 | 76.5 * |
| Lexington | 49,852 | 38.3 | Crestview Hills | 817 | 56.6 * |
| POPULATION CATEGORY 20,000-55,000 | | | Prestonsburg | 1,022 | 56.6 * |
| Florence | 7,034 | 59.7 * | Mount Vernon | 596 | 46.0 * |
| Paducah | 7,076 | 53.8 * | Paintsville | 944 | 45.7 * |
| Bowling Green | 12,097 | 49.1 * | Grayson | 865 | 44.6 * |
| Elizabethtown | 5,063 | 44.9 | Cold Spring | 800 | 42.0 |
| Ashland | 4,812 | 43.8 | Hodgenville | 595 | 41.4 |
| Henderson | 5,564 | 40.7 | Columbia | 830 | 41.4 |
| Covington | 8,819 | 40.7 | Wilder | 529 | 40.3 |
| Richmond | 5,337 | 39.3 | Scottsville | 868 | 40.1 |
| Owensboro | 9,949 | 36.8 | Barbourville | 699 | 39.0 |
| Hopkinsville | 5,069 | 33.7 | Irvine | 540 | 38.0 |
| Frankfort | 4,290 | 30.9 | Tompkinsville | 493 | 37.1 |
| Jeffersonton | 3,867 | 29.0 | Carrollton | 714 | 37.1 |
| Radcliff | 2,271 | 20.7 | Russell | 660 | 36.2 |
| POPULATION CATEGORY 10,000-19,999 | | | Springfield | 469 | 35.6 |
| Somerset | 3,407 | 60.0 * | Benton | 714 | 34.0 |
| Shively | 3,739 | 49.3 * | Williamstown | 547 | 33.9 |
| Bardstown | 2,196 | 42.3 | Morganfield | 571 | 32.7 |
| Newport | 3,589 | 42.1 | Morgantown | 414 | 32.5 |
| Glasgow | 2,727 | 41.9 | Greenville | 709 | 32.2 |
| Erlanger | 3,235 | 38.8 | Crescent Springs | 622 | 31.6 |
| Campbellsville | 2,013 | 38.4 | Beaver Dam | 475 | 31.3 |
| Winchester | 3,185 | 38.1 | Lancaster | 563 | 30.2 |
| Madisonville | 3,647 | 37.8 | Fulton | 374 | 27.0 |
| Danville | 2,928 | 37.8 | Lakeside Park | 361 | 25.2 |
| Shelbyville | 1,846 | 36.6 | Stanton | 380 | 25.1 |
| Mayfield | 1,812 | 35.0 | Marion | 394 | 24.7 |
| Saint Matthews | 2,619 | 33.0 | Southgate | 419 | 24.1 |
| Georgetown | 2,739 | 30.3 | West Liberty | 380 | 23.2 |
| Nicholasville | 2,809 | 28.5 | Flemingsburg | 348 | 23.1 |
| Middlesboro | 1,392 | 26.8 | Union | 330 | 22.8 |
| Independence | 1,420 | 19.0 | Stanford | 328 | 19.1 |
| Murray | 1,357 | 18.2 | Calvert City | 255 | 18.9 |
| Fort Thomas | 1,007 | 12.2 | Cumberland | 230 | 17.6 |
| POPULATION CATEGORY 5,000-9,999 | | | Dawson Springs | 241 | 16.2 |
| London | 2,614 | 91.8 * | Providence | 287 | 15.9 |
| Morehead | 1,783 | 60.3 * | Vine Grove | 284 | 13.6 |
| Fort Wright | 1,668 | 58.7 * | Park Hills | 177 | 11.9 |
| Pikeville | 1,706 | 54.2 * | Hartford | 141 | 11.0 |
| Corbin | 1,940 | 50.1 * | Ludlow | 239 | 10.8 |
| Mount Sterling | 1,414 | 48.1 * | Hickman | 124 | 9.7 |
| Maysville | 2,099 | 46.7 * | Indian Hills | 31 | 2.2 |
| Monticello | 1,264 | 42.3 * | | | |
| Russellville | 1,355 | 37.9 | | | |
| Lebanon | 1,033 | 36.1 | | | |
| Cynthiana | 1,119 | 35.8 | | | |
| Shepherdsville | 1,461 | 35.1 | | | |
| Harrodsburg | 1,390 | 34.7 | | | |
| Paris | 1,498 | 32.6 | | | |
| Versailles | 1,215 | 32.4 | | | |
| Williamsburg | 773 | 30.1 | | | |
| Fort Mitchell | 1,206 | 29.8 | | | |
| Bellevue | 944 | 29.1 | | | |
| Berea | 1,400 | 28.4 | | | |
| Taylor Mill | 968 | 28.0 | | | |
| Franklin | 1,115 | 27.9 | | | |
| La Grange | 786 | 27.7 | | | |
| Oak Grove | 951 | 26.9 | | | |
| Central City | 790 | 26.8 | | | |
| Princeton | 815 | 24.9 | | | |
| Alexandria | 1,009 | 24.4 | | | |
| Highland Heights | 715 | 21.8 | | | |
| Mount Washington | 762 | 18.0 | | | |
| Leitchfield | 542 | 17.7 | | | |
| Lawrenceburg | 750 | 16.6 | | | |
| Edgewood | 726 | 15.4 | | | |
| Elsmere | 605 | 14.9 | | | |
| Dayton | 419 | 14.0 | | | |
| Flatwoods | 530 | 13.9 | | | |
| Villa Hills | 290 | 7.3 | | | |
| Wilmore | 187 | 6.3 | | | |
| Middletown | 153 | 5.3 | | | |
| Lyndon | 95 | 2.0 | | | |

* Critical crash rate

TABLE 19. FATAL CRASH RATES BY CITY AND POPULATION CATEGORY (IN DESCENDING ORDER WITH CRITICAL RATES IDENTIFIED)(1997-2001)(ALL ROADS)

| CITY | NUMBER OF CRASHES (1997-2001) | ANNUAL CRASH RATE (CRASHES PER 10,000 POPULATION) | CITY | NUMBER OF CRASHES (1997-2001) | ANNUAL CRASH RATE (CRASHES PER 10,000 POPULATION) |
|-----------------------------------|-------------------------------|---|---------------------------------|-------------------------------|---|
| POPULATION CATEGORY OVER 200,000 | | | POPULATION CATEGORY 2,500-4,999 | | |
| Louisville | 121 | 0.94 | Mount Vernon | 5 | 3.86 |
| Lexington | 92 | 0.71 | Prestonsburg | 6 | 3.32 |
| POPULATION CATEGORY 20,000-55,000 | | | Calvert City | 3 | 2.22 |
| Paducah | 16 | 1.22 | Hodgenville | 3 | 2.09 |
| Florence | 12 | 1.02 | Stanton | 3 | 1.98 |
| Elizabethtown | 11 | 0.98 | Paintsville | 4 | 1.94 |
| Richmond | 13 | 0.96 | Williamstown | 3 | 1.86 |
| Hopkinsville | 14 | 0.93 | Greenville | 4 | 1.82 |
| Henderson | 11 | 0.80 | Carrollton | 3 | 1.56 |
| Frankfort | 10 | 0.72 | Hartford | 2 | 1.56 |
| Bowling Green | 16 | 0.65 | Scottsville | 3 | 1.39 |
| Ashland | 7 | 0.64 | Beaver Dam | 2 | 1.32 |
| Owensboro | 13 | 0.48 | Barbourville | 2 | 1.11 |
| Covington | 8 | 0.37 | Cold Spring | 2 | 1.05 |
| Radcliff | 4 | 0.36 | Benton | 2 | 0.95 |
| Jeffersontown | 4 | 0.30 | Hazard | 2 | 0.83 |
| POPULATION CATEGORY 10,000-19,999 | | | Springfield | 1 | 0.76 |
| Somerset | 15 | 2.64 | Tompkinsville | 1 | 0.75 |
| Shelbyville | 10 | 1.98 | Fulton | 1 | 0.72 |
| Danville | 12 | 1.55 | Lakeside Park | 1 | 0.70 |
| Erlanger | 9 | 1.08 | Dawson Springs | 1 | 0.67 |
| Shively | 6 | 0.79 | Marion | 1 | 0.63 |
| Bardstown | 4 | 0.77 | Stanford | 1 | 0.58 |
| Madisonville | 6 | 0.62 | Providence | 1 | 0.55 |
| Nicholasville | 6 | 0.61 | Lancaster | 1 | 0.54 |
| Mayfield | 3 | 0.58 | Grayson | 1 | 0.52 |
| Independence | 4 | 0.53 | Columbia | 1 | 0.50 |
| Saint Matthews | 4 | 0.50 | | | |
| Fort Thomas | 4 | 0.48 | | | |
| Winchester | 4 | 0.48 | | | |
| Glasgow | 3 | 0.46 | | | |
| Georgetown | 4 | 0.44 | | | |
| Campbellsville | 2 | 0.38 | | | |
| Newport | 3 | 0.35 | | | |
| Murray | 2 | 0.27 | | | |
| Middlesboro | 1 | 0.19 | | | |
| POPULATION CATEGORY 5,000-9,999 | | | | | |
| Pikeville | 11 | 3.49 | | | |
| Mount Sterling | 8 | 2.72 | | | |
| London | 7 | 2.46 | | | |
| Maysville | 10 | 2.22 | | | |
| Shepherdsville | 9 | 2.16 | | | |
| Monticello | 6 | 2.01 | | | |
| Williamsburg | 5 | 1.94 | | | |
| Central City | 5 | 1.70 | | | |
| Morehead | 5 | 1.69 | | | |
| Alexandria | 7 | 1.69 | | | |
| Corbin | 6 | 1.55 | | | |
| La Grange | 4 | 1.41 | | | |
| Franklin | 5 | 1.25 | | | |
| Berea | 6 | 1.22 | | | |
| Leitchfield | 3 | 0.98 | | | |
| Russellville | 3 | 0.84 | | | |
| Harrodsburg | 2 | 0.50 | | | |
| Lawrenceburg | 2 | 0.44 | | | |
| Lebanon | 1 | 0.35 | | | |
| Fort Wright | 1 | 0.35 | | | |
| Cynthiana | 1 | 0.32 | | | |
| Bellevue | 1 | 0.31 | | | |
| Princeton | 1 | 0.31 | | | |
| Highland Heights | 1 | 0.31 | | | |
| Versailles | 1 | 0.27 | | | |
| Fort Mitchell | 1 | 0.25 | | | |
| Mount Washington | 1 | 0.24 | | | |
| Paris | 1 | 0.22 | | | |

* Critical crash rate

TABLE 20. CRASHES INVOLVING ALCOHOL BY COUNTY AND POPULATION CATEGORY
(IN ORDER OF DECREASING PERCENTAGES)

| COUNTY | NUMBER OF ALCOHOL-RELATED CRASHES (1997-2001) | | PERCENT OF TOTAL CRASHES INVOLVING ALCOHOL | |
|-------------------------------------|--|-----------|--|-----------|
| | ALL | AGE 16-20 | ALL | AGE 16-20 |
| POPULATION CATEGORY UNDER 10,000 | | | | |
| Robertson | 13 | 3 | 10.7 | 7.3 |
| Elliott | 60 | 11 | 10.6 | 6.4 |
| Menifee | 55 | 13 | 10.0 | 7.6 |
| Owsley | 37 | 7 | 9.8 | 6.7 |
| Nicholas | 80 | 14 | 9.3 | 5.3 |
| Lee | 42 | 3 | 7.5 | 2.1 |
| Ballard | 70 | 8 | 6.6 | 2.7 |
| Gallatin | 68 | 12 | 6.3 | 4.1 |
| Hickman | 32 | 4 | 6.1 | 2.7 |
| Wolfe | 59 | 9 | 5.9 | 3.1 |
| Fulton | 56 | 1 | 5.6 | 0.4 |
| Livingston | 60 | 3 | 5.6 | 0.8 |
| Crittenden | 63 | 11 | 5.5 | 2.7 |
| Hancock | 45 | 2 | 5.4 | 0.9 |
| Trimble | 51 | 8 | 5.0 | 2.5 |
| Bracken | 64 | 7 | 4.9 | 1.8 |
| McLean | 55 | 8 | 4.6 | 2.0 |
| Clinton | 35 | 1 | 4.5 | 0.3 |
| Carlisle | 12 | 3 | 4.0 | 3.3 |
| Cumberland | 18 | 2 | 4.0 | 1.1 |
| Lyon | 42 | 9 | 3.6 | 3.4 |
| POPULATION CATEGORY 10,000 - 14,999 | | | | |
| Magoffin | 109 | 20 | 8.6 | 5.3 |
| Spencer | 76 | 11 | 7.5 | 3.3 |
| Lewis | 113 | 15 | 7.5 | 3.5 |
| Leslie | 93 | 8 | 6.9 | 2.2 |
| Owen | 82 | 10 | 6.8 | 2.5 |
| Pendleton | 127 | 14 | 6.6 | 2.3 |
| Washington | 91 | 14 | 6.4 | 2.6 |
| Martin | 84 | 15 | 6.3 | 3.5 |
| Bath | 96 | 12 | 6.3 | 3.0 |
| Butler | 77 | 12 | 6.3 | 2.3 |
| Jackson | 89 | 12 | 6.3 | 2.7 |
| Carroll | 138 | 18 | 6.2 | 2.7 |
| Monroe | 51 | 8 | 5.5 | 2.4 |
| Fleming | 76 | 16 | 5.4 | 3.4 |
| Garrard | 109 | 14 | 5.4 | 2.5 |
| Edmonson | 62 | 2 | 5.2 | 0.5 |
| Powell | 86 | 14 | 5.1 | 2.6 |
| Caldwell | 82 | 11 | 4.8 | 2.0 |
| Green | 63 | 7 | 4.8 | 1.7 |
| Larue | 80 | 14 | 4.7 | 2.6 |
| Morgan | 72 | 5 | 4.5 | 1.0 |
| Todd | 55 | 6 | 4.5 | 1.6 |
| Webster | 85 | 16 | 4.5 | 2.8 |
| Metcalfe | 47 | 3 | 4.3 | 1.0 |
| Trigg | 58 | 6 | 3.8 | 1.4 |
| POPULATION CATEGORY 15,000 - 24,999 | | | | |
| Marion | 264 | 36 | 10.7 | 4.1 |
| Casey | 96 | 15 | 7.8 | 3.4 |
| Breathitt | 152 | 33 | 7.0 | 5.3 |
| Estill | 125 | 20 | 6.7 | 3.1 |
| Henry | 132 | 14 | 6.6 | 2.5 |
| Lincoln | 136 | 28 | 6.6 | 4.7 |
| Woodford | 215 | 27 | 6.3 | 2.7 |
| Russell | 95 | 17 | 6.1 | 3.6 |
| McCreary | 90 | 10 | 5.9 | 1.9 |
| Lawrence | 86 | 16 | 5.7 | 4.2 |
| Clay | 136 | 11 | 5.7 | 1.6 |
| Union | 133 | 20 | 5.7 | 2.6 |
| Montgomery | 210 | 31 | 5.5 | 2.6 |

TABLE 20. CRASHES INVOLVING ALCOHOL BY COUNTY AND POPULATION CATEGORY
(IN ORDER OF DECREASING PERCENTAGES) (continued)

| COUNTY | NUMBER OF ALCOHOL-RELATED CRASHES (1997-2001) | | PERCENT OF TOTAL CRASHES INVOLVING ALCOHOL | |
|---|--|-----------|---|-----------|
| | ALL | AGE 16-20 | ALL | AGE 16-20 |
| POPULATION CATEGORY 15,000 - 24,999 (continued) | | | | |
| Breckinridge | 81 | 7 | 5.4 | 1.1 |
| Knott | 98 | 15 | 5.4 | 2.7 |
| Johnson | 152 | 15 | 5.4 | 1.7 |
| Anderson | 126 | 23 | 5.3 | 3.1 |
| Bourbon | 174 | 18 | 5.3 | 2.0 |
| Mason | 191 | 27 | 5.0 | 2.6 |
| Allen | 103 | 16 | 5.0 | 2.3 |
| Mercer | 150 | 21 | 5.0 | 2.1 |
| Grayson | 128 | 12 | 4.8 | 1.3 |
| Harrison | 133 | 24 | 4.8 | 2.4 |
| Hart | 93 | 7 | 4.4 | 1.2 |
| Adair | 105 | 22 | 4.4 | 2.5 |
| Taylor | 156 | 33 | 4.2 | 2.3 |
| Ohio | 115 | 11 | 4.1 | 1.3 |
| Simpson | 113 | 11 | 4.1 | 1.3 |
| Wayne | 86 | 14 | 3.8 | 1.7 |
| Grant | 161 | 20 | 3.7 | 1.5 |
| Rowan | 158 | 30 | 3.6 | 1.9 |
| Rockcastle | 79 | 5 | 3.4 | 0.8 |
| POPULATION CATEGORY 25,000 - 49,999 | | | | |
| Meade | 156 | 22 | 6.1 | 2.3 |
| Letcher | 175 | 24 | 6.0 | 3.0 |
| Floyd | 319 | 48 | 6.0 | 3.2 |
| Carter | 193 | 25 | 5.5 | 2.4 |
| Harlan | 201 | 30 | 5.4 | 2.7 |
| Greenup | 212 | 32 | 5.4 | 2.5 |
| Knox | 213 | 18 | 5.3 | 1.4 |
| Shelby | 291 | 31 | 5.3 | 2.0 |
| Nelson | 297 | 36 | 5.2 | 1.7 |
| Jessamine | 320 | 40 | 5.0 | 2.0 |
| Calloway | 195 | 42 | 5.0 | 2.6 |
| Perry | 253 | 34 | 5.0 | 2.3 |
| Logan | 164 | 19 | 4.8 | 1.7 |
| Bell | 156 | 17 | 4.6 | 1.8 |
| Franklin | 353 | 48 | 4.3 | 2.2 |
| Clark | 252 | 35 | 4.2 | 2.0 |
| Barren | 234 | 26 | 4.2 | 1.3 |
| Whitley | 208 | 32 | 4.2 | 2.1 |
| Marshall | 161 | 15 | 4.1 | 1.2 |
| Graves | 198 | 33 | 4.1 | 2.0 |
| Muhlenberg | 192 | 27 | 4.1 | 1.8 |
| Scott | 245 | 37 | 3.8 | 2.1 |
| Henderson | 336 | 41 | 3.5 | 1.3 |
| Boyd | 333 | 56 | 3.4 | 1.9 |
| Oldham | 147 | 30 | 3.3 | 1.9 |
| Boyle | 147 | 21 | 3.2 | 1.5 |
| Hopkins | 229 | 22 | 2.8 | 0.9 |
| POPULATION CATEGORY 50,000 - OVER | | | | |
| Pike | 605 | 71 | 5.6 | 2.3 |
| Bullitt | 360 | 39 | 5.6 | 1.7 |
| Madison | 682 | 107 | 5.2 | 2.5 |
| Christian | 444 | 51 | 4.6 | 1.8 |
| Kenton | 1264 | 129 | 4.5 | 1.7 |
| Campbell | 608 | 59 | 4.4 | 1.4 |
| Fayette | 2655 | 267 | 4.2 | 1.6 |
| Daviess | 700 | 113 | 4.1 | 1.7 |
| McCracken | 535 | 63 | 3.9 | 1.5 |
| Warren | 768 | 103 | 3.8 | 1.4 |
| Boone | 605 | 71 | 3.6 | 1.3 |
| Laurel | 300 | 34 | 3.5 | 1.3 |
| Pulaski | 305 | 35 | 3.5 | 1.2 |
| Jefferson | 4704 | 359 | 3.4 | 1.1 |
| Hardin | 440 | 64 | 3.3 | 1.5 |

TABLE 21. CRASHES INVOLVING ALCOHOL BY CITY AND POPULATION CATEGORY(IN ORDER OF DECREASING PRECENTAGES)(1997-2001)

| CITY | NUMBER OF ALCOHOL-RELATED CRASHES | PERCENTAGE OF CRASHES INVOLVING ALCOHOL | CITY | NUMBER OF ALCOHOL-RELATED CRASHES | PERCENTAGE OF CRASHES INVOLVING ALCOHOL |
|-----------------------------------|-----------------------------------|---|---------------------------------|-----------------------------------|---|
| POPULATION CATEGORY OVER 200,000 | | | POPULATION CATEGORY 2,500-4,999 | | |
| Lexington | 2,013 | 4.0 | Park Hills | 15 | 8.5 |
| Louisville | 1,854 | 2.9 | Vine Grove | 21 | 7.4 |
| POPULATION CATEGORY 20,000-55,000 | | | Ludlow | 17 | 7.1 |
| Richmond | 240 | 4.5 | Springfield | 23 | 4.9 |
| Covington | 394 | 4.5 | Carrollton | 35 | 4.9 |
| Owensboro | 325 | 3.3 | Irvine | 26 | 4.8 |
| Hopkinsville | 169 | 3.3 | Stanton | 16 | 4.2 |
| Frankfort | 143 | 3.3 | Prestonsburg | 37 | 3.6 |
| Paducah | 210 | 3.0 | Providence | 10 | 3.5 |
| Bowling Green | 345 | 2.9 | Fulton | 13 | 3.5 |
| Radcliff | 63 | 2.8 | Hartford | 5 | 3.5 |
| Henderson | 145 | 2.6 | Cold Spring | 27 | 3.4 |
| Florence | 176 | 2.5 | Stanford | 11 | 3.4 |
| Jeffersonton | 85 | 2.2 | Dawson Springs | 8 | 3.3 |
| Ashland | 107 | 2.2 | Lakeside Park | 12 | 3.3 |
| Elizabethtown | 91 | 1.8 | Hickman | 4 | 3.2 |
| POPULATION CATEGORY 10,000-19,999 | | | Hickman | 4 | 3.2 |
| Newport | 192 | 5.3 | Cumberland | 7 | 3.0 |
| Middlesboro | 69 | 5.0 | Hazard | 53 | 2.9 |
| Independence | 69 | 4.9 | Mount Vernon | 17 | 2.9 |
| Shively | 165 | 4.4 | Flemingsburg | 10 | 2.9 |
| Nicholasville | 115 | 4.1 | Russell | 19 | 2.9 |
| Shelbyville | 75 | 4.1 | Morganfield | 16 | 2.8 |
| Erlanger | 130 | 4.0 | Williamstown | 15 | 2.7 |
| Fort Thomas | 36 | 3.6 | Barbourville | 19 | 2.7 |
| Winchester | 103 | 3.2 | Hodgenville | 16 | 2.7 |
| Bardstown | 63 | 2.9 | Southgate | 11 | 2.6 |
| Campbellsville | 56 | 2.8 | Scottsville | 23 | 2.6 |
| Georgetown | 68 | 2.5 | Greenville | 18 | 2.5 |
| Danville | 66 | 2.3 | Columbia | 20 | 2.4 |
| Glasgow | 58 | 2.1 | Tompkinsville | 11 | 2.2 |
| Murray | 28 | 2.1 | Beaver Dam | 10 | 2.1 |
| Saint Matthews | 50 | 1.9 | Grayson | 18 | 2.1 |
| Madisonville | 65 | 1.8 | Paintsville | 19 | 2.0 |
| Mayfield | 30 | 1.7 | Marion | 7 | 1.8 |
| Somerset | 51 | 1.5 | Benton | 12 | 1.7 |
| POPULATION CATEGORY 5,000-9,999 | | | Calvert City | 3 | 1.2 |
| Dayton | 26 | 6.2 | | | |
| Fort Mitchell | 65 | 5.4 | | | |
| Villa Hills | 15 | 5.2 | | | |
| Lebanon | 52 | 5.0 | | | |
| Elsmere | 30 | 5.0 | | | |
| Mount Washington | 37 | 4.9 | | | |
| Taylor Mill | 41 | 4.2 | | | |
| Lawrenceburg | 31 | 4.1 | | | |
| Paris | 62 | 4.1 | | | |
| Shepherdsville | 55 | 3.8 | | | |
| Pikeville | 64 | 3.8 | | | |
| Franklin | 41 | 3.7 | | | |
| Maysville | 75 | 3.6 | | | |
| Williamsburg | 28 | 3.6 | | | |
| Central City | 27 | 3.4 | | | |
| Mount Sterling | 48 | 3.4 | | | |
| Leitchfield | 18 | 3.3 | | | |
| Versailles | 40 | 3.3 | | | |
| Harrodsburg | 46 | 3.3 | | | |
| Highland Heights | 23 | 3.2 | | | |
| Cynthiana | 34 | 3.0 | | | |
| Bellevue | 27 | 2.9 | | | |
| Monticello | 34 | 2.7 | | | |
| Princeton | 21 | 2.6 | | | |
| Russellville | 34 | 2.5 | | | |
| Morehead | 44 | 2.5 | | | |
| Fort Wright | 42 | 2.5 | | | |
| Berea | 35 | 2.5 | | | |
| Alexandria | 24 | 2.4 | | | |
| Corbin | 46 | 2.4 | | | |
| Flatwoods | 12 | 2.3 | | | |
| Edgewood | 14 | 1.9 | | | |
| London | 49 | 1.9 | | | |
| La Grange | 14 | 1.8 | | | |
| Wilmore | 3 | 1.6 | | | |

TABLE 22. SUMMARY OF ALCOHOL CONVICTIONS BY COUNTY (1997-2001)

| COUNTY | | | | | | TOTAL | ANNUAL AVERAGE | ALCOHOL |
|--------------|-------|-------|-------|-------|-------|--|--|---|
| | 1997 | 1998 | 1999 | 2000 | 2001 | ALCOHOL CONVICTIONS (FIVE YEARS) | ALCOHOL CONVICTIONS PER 1,000 LICENSED DRIVERS | CONVICTIONS PER ALCOHOL- RELATED CRASH |
| Adair | 157 | 160 | 111 | 153 | 162 | 743 | 13.4 | 7.8 |
| Allen | 100 | 119 | 94 | 97 | 110 | 520 | 8.8 | 5.1 |
| Anderson | 137 | 172 | 225 | 158 | 180 | 872 | 12.8 | 6.2 |
| Ballard | 122 | 98 | 93 | 88 | 122 | 523 | 17.2 | 6.7 |
| Barren | 286 | 276 | 225 | 232 | 282 | 1,301 | 9.9 | 5.2 |
| Bath | 69 | 62 | 86 | 55 | 96 | 368 | 9.8 | 4.0 |
| Bell | 444 | 337 | 366 | 357 | 366 | 1,870 | 21.9 | 11.3 |
| Boone | 641 | 687 | 550 | 659 | 601 | 3,138 | 10.3 | 5.2 |
| Bourbon | 161 | 154 | 173 | 213 | 150 | 851 | 12.4 | 4.3 |
| Boyd | 264 | 361 | 364 | 306 | 309 | 1,604 | 9.3 | 5.0 |
| Boyle | 164 | 138 | 151 | 116 | 155 | 724 | 7.7 | 4.7 |
| Bracken | 47 | 53 | 44 | 28 | 41 | 213 | 7.3 | 3.6 |
| Breathitt | 129 | 122 | 124 | 104 | 108 | 587 | 12.5 | 4.2 |
| Breckinridge | 88 | 111 | 80 | 83 | 94 | 456 | 7.0 | 6.2 |
| Bullitt | 475 | 431 | 464 | 576 | 408 | 2,354 | 10.5 | 6.4 |
| Butler | 113 | 134 | 124 | 116 | 58 | 545 | 12.5 | 7.5 |
| Caldwell | 80 | 78 | 97 | 74 | 105 | 434 | 9.1 | 5.4 |
| Calloway | 296 | 267 | 164 | 208 | 203 | 1,138 | 9.9 | 6.4 |
| Campbell | 845 | 1,030 | 873 | 855 | 648 | 4,251 | 14.2 | 6.7 |
| Carlisle | 31 | 44 | 32 | 21 | 31 | 159 | 8.0 | 13.3 |
| Carroll | 199 | 172 | 135 | 215 | 127 | 848 | 24.5 | 6.1 |
| Carter | 167 | 187 | 143 | 236 | 326 | 1,059 | 12.0 | 5.5 |
| Casey | 190 | 188 | 148 | 112 | 90 | 728 | 14.6 | 8.7 |
| Christian | 753 | 957 | 850 | 694 | 769 | 4,023 | 23.2 | 8.7 |
| Clark | 367 | 354 | 353 | 367 | 311 | 1,752 | 15.1 | 6.3 |
| Clay | 187 | 253 | 295 | 286 | 208 | 1,229 | 18.8 | 9.8 |
| Clinton | 81 | 134 | 125 | 93 | 78 | 511 | 15.4 | 15.0 |
| Crittenden | 43 | 54 | 68 | 84 | 92 | 341 | 10.3 | 5.0 |
| Cumberland | 58 | 77 | 98 | 65 | 72 | 370 | 15.3 | 23.1 |
| Daviess | 608 | 700 | 655 | 596 | 822 | 3,381 | 10.5 | 5.1 |
| Edmonson | 53 | 39 | 30 | 36 | 22 | 180 | 4.4 | 2.7 |
| Elliott | 44 | 49 | 27 | 50 | 37 | 207 | 9.4 | 3.8 |
| Estill | 130 | 120 | 131 | 98 | 116 | 595 | 11.7 | 4.3 |
| Fayette | 2,443 | 2,420 | 2,119 | 1,824 | 1,965 | 10,771 | 12.4 | 4.4 |
| Fleming | 63 | 48 | 65 | 78 | 77 | 331 | 6.9 | 4.4 |
| Floyd | 320 | 445 | 345 | 419 | 391 | 1,920 | 14.0 | 5.7 |
| Franklin | 431 | 455 | 333 | 443 | 429 | 2,091 | 12.5 | 6.0 |
| Fulton | 115 | 123 | 122 | 140 | 117 | 617 | 25.6 | 11.9 |
| Gallatin | 66 | 87 | 101 | 115 | 116 | 485 | 18.2 | 7.5 |
| Garrard | 78 | 92 | 171 | 133 | 127 | 601 | 11.9 | 5.9 |
| Grant | 249 | 218 | 217 | 165 | 149 | 998 | 12.9 | 6.5 |
| Graves | 255 | 268 | 282 | 311 | 367 | 1,483 | 11.6 | 7.8 |
| Grayson | 152 | 228 | 139 | 130 | 122 | 771 | 9.1 | 6.4 |
| Green | 37 | 50 | 37 | 42 | 46 | 212 | 5.4 | 3.3 |
| Greenup | 291 | 309 | 321 | 299 | 398 | 1,618 | 12.3 | 7.3 |
| Hancock | 51 | 76 | 56 | 57 | 37 | 277 | 8.9 | 6.6 |
| Hardin | 615 | 663 | 688 | 691 | 553 | 3,210 | 10.6 | 7.1 |
| Harlan | 484 | 436 | 475 | 336 | 386 | 2,117 | 20.3 | 11.0 |
| Harrison | 164 | 132 | 98 | 108 | 99 | 601 | 9.6 | 4.4 |
| Hart | 109 | 113 | 105 | 130 | 78 | 535 | 9.4 | 6.1 |
| Henderson | 412 | 391 | 447 | 467 | 520 | 2,237 | 14.0 | 6.6 |
| Henry | 193 | 166 | 113 | 114 | 126 | 712 | 13.4 | 4.9 |
| Hickman | 29 | 46 | 29 | 29 | 26 | 159 | 8.4 | 5.3 |
| Hopkins | 416 | 364 | 403 | 365 | 437 | 1,985 | 12.2 | 8.3 |
| Jackson | 123 | 97 | 101 | 100 | 81 | 502 | 11.7 | 5.2 |
| Jefferson | 3,947 | 3,800 | 3,507 | 3,845 | 3,135 | 18,234 | 7.8 | 3.8 |
| Jessamine | 223 | 237 | 314 | 431 | 471 | 1,676 | 12.7 | 5.1 |
| Johnson | 177 | 152 | 192 | 206 | 254 | 981 | 12.4 | 5.7 |
| Kenton | 1,000 | 1,066 | 1,157 | 1,160 | 1,142 | 5,525 | 10.8 | 4.1 |
| Knott | 162 | 138 | 122 | 77 | 124 | 623 | 11.7 | 5.7 |
| Knox | 342 | 327 | 334 | 208 | 184 | 1,395 | 14.2 | 6.7 |
| Larue | 72 | 67 | 72 | 71 | 55 | 337 | 7.1 | 4.6 |
| Laurel | 501 | 714 | 679 | 677 | 628 | 3,199 | 18.2 | 10.7 |

TABLE 22. SUMMARY OF ALCOHOL CONVICTIONS BY COUNTY (1997-2001) (continued)

| COUNTY | | | | | | TOTAL | ANNUAL AVERAGE | ALCOHOL |
|------------|--------|--------|--------|--------|--------|--|--|---|
| | 1997 | 1998 | 1999 | 2000 | 2001 | ALCOHOL CONVICTIONS (FIVE YEARS) | ALCOHOL CONVICTIONS PER 1,000 LICENSED DRIVERS | CONVICTIONS PER ALCOHOL- RELATED CRASH |
| Lawrence | 131 | 138 | 118 | 149 | 195 | 731 | 14.2 | 9.3 |
| Lee | 72 | 44 | 53 | 59 | 47 | 275 | 11.3 | 6.1 |
| Leslie | 112 | 64 | 122 | 109 | 115 | 522 | 12.8 | 5.2 |
| Letcher | 152 | 165 | 140 | 116 | 99 | 672 | 7.9 | 3.8 |
| Lewis | 112 | 138 | 98 | 101 | 112 | 561 | 12.3 | 5.0 |
| Lincoln | 118 | 105 | 98 | 98 | 120 | 539 | 7.0 | 3.9 |
| Livingston | 128 | 94 | 77 | 81 | 65 | 445 | 12.3 | 6.0 |
| Logan | 173 | 200 | 205 | 206 | 199 | 983 | 10.8 | 6.2 |
| Lyon | 77 | 73 | 56 | 78 | 85 | 369 | 13.7 | 8.2 |
| McCracken | 703 | 751 | 589 | 573 | 567 | 3,183 | 13.1 | 6.0 |
| McCreary | 91 | 138 | 188 | 189 | 95 | 701 | 13.3 | 7.1 |
| McLean | 56 | 49 | 43 | 38 | 56 | 242 | 6.7 | 4.7 |
| Madison | 859 | 889 | 667 | 646 | 689 | 3,750 | 16.4 | 5.1 |
| Magoffin | 113 | 100 | 154 | 134 | 128 | 629 | 14.8 | 5.4 |
| Marion | 163 | 149 | 183 | 173 | 161 | 829 | 14.0 | 3.1 |
| Marshall | 168 | 250 | 216 | 190 | 191 | 1,015 | 8.8 | 6.0 |
| Martin | 102 | 85 | 122 | 178 | 135 | 622 | 15.3 | 7.9 |
| Mason | 164 | 147 | 125 | 164 | 161 | 761 | 13.0 | 3.9 |
| Meade | 301 | 302 | 214 | 193 | 171 | 1,181 | 14.2 | 7.7 |
| Menifee | 23 | 25 | 61 | 31 | 33 | 173 | 8.1 | 3.5 |
| Mercer | 156 | 171 | 107 | 76 | 130 | 640 | 8.5 | 4.7 |
| Metcalfe | 77 | 61 | 58 | 65 | 43 | 304 | 9.0 | 6.3 |
| Monroe | 61 | 49 | 79 | 55 | 53 | 297 | 7.4 | 5.1 |
| Montgomery | 159 | 161 | 178 | 153 | 129 | 780 | 10.0 | 4.0 |
| Morgan | 107 | 101 | 89 | 72 | 90 | 459 | 11.5 | 6.3 |
| Muhlenberg | 201 | 198 | 198 | 185 | 211 | 993 | 9.0 | 5.4 |
| Nelson | 243 | 269 | 207 | 259 | 319 | 1,297 | 9.7 | 4.3 |
| Nicholas | 45 | 71 | 51 | 69 | 48 | 284 | 11.1 | 3.4 |
| Ohio | 166 | 117 | 113 | 126 | 132 | 654 | 8.2 | 5.1 |
| Oldham | 161 | 177 | 164 | 150 | 169 | 821 | 5.1 | 5.4 |
| Owen | 43 | 57 | 53 | 38 | 31 | 222 | 6.3 | 2.6 |
| Owsley | 43 | 37 | 30 | 75 | 73 | 258 | 15.1 | 6.6 |
| Pendleton | 79 | 104 | 54 | 75 | 89 | 401 | 8.0 | 3.4 |
| Perry | 413 | 325 | 347 | 283 | 357 | 1,725 | 17.2 | 6.6 |
| Pike | 656 | 484 | 406 | 395 | 613 | 2,554 | 11.2 | 4.2 |
| Powell | 110 | 125 | 151 | 132 | 131 | 649 | 14.5 | 8.1 |
| Pulaski | 390 | 400 | 390 | 356 | 295 | 1,831 | 9.1 | 6.6 |
| Robertson | 13 | 9 | 7 | 3 | 12 | 44 | 5.7 | 3.4 |
| Rockcastle | 261 | 220 | 201 | 229 | 240 | 1,151 | 21.4 | 12.6 |
| Rowan | 290 | 283 | 219 | 251 | 282 | 1,325 | 19.8 | 8.6 |
| Russell | 177 | 167 | 115 | 128 | 128 | 715 | 12.3 | 6.6 |
| Scott | 242 | 239 | 230 | 199 | 255 | 1,165 | 10.1 | 4.9 |
| Shelby | 349 | 292 | 368 | 399 | 272 | 1,680 | 15.2 | 6.3 |
| Simpson | 153 | 210 | 183 | 169 | 173 | 888 | 15.5 | 8.1 |
| Spencer | 59 | 58 | 70 | 79 | 81 | 347 | 8.2 | 4.6 |
| Taylor | 214 | 212 | 153 | 169 | 143 | 891 | 11.2 | 5.5 |
| Todd | 104 | 95 | 63 | 75 | 84 | 421 | 10.8 | 7.0 |
| Trigg | 100 | 130 | 91 | 76 | 146 | 543 | 11.9 | 9.5 |
| Trimble | 34 | 66 | 49 | 25 | 26 | 200 | 6.9 | 3.9 |
| Union | 166 | 153 | 138 | 197 | 176 | 830 | 15.4 | 6.1 |
| Warren | 1,251 | 1,235 | 938 | 982 | 856 | 5,262 | 17.6 | 6.8 |
| Washington | 50 | 53 | 55 | 55 | 65 | 278 | 7.2 | 3.0 |
| Wayne | 81 | 94 | 101 | 95 | 113 | 484 | 7.6 | 5.4 |
| Webster | 38 | 66 | 56 | 120 | 74 | 354 | 7.2 | 4.4 |
| Whitley | 211 | 262 | 344 | 330 | 194 | 1,341 | 12.2 | 6.4 |
| Wolfe | 82 | 76 | 74 | 89 | 77 | 398 | 16.5 | 5.9 |
| Woodford | 200 | 250 | 233 | 262 | 223 | 1,168 | 13.8 | 5.2 |
| TOTAL * | 32,052 | 32,829 | 30,534 | 30,604 | 29,896 | 155,915 | 11.5 | 5.4 |

* Does not include DUI convictions where county was not specified.

TABLE 23. ALCOHOL CONVICTION RATES IN DECREASING ORDER (BY COUNTY POPULATION CATEGORIES)
(1997-2001)

| POPULATION | COUNTY | ANNUAL AVERAGE | COUNTY | ALCOHOL |
|---------------|------------|--|--------------|---|
| | | ALCOHOL CONVICTIONS PER 1,000 LICENSED DRIVERS | | CONVICTIONS PER ALCOHOL- RELATED CRASH |
| UNDER 10,000 | Fulton | 25.6 | Cumberland | 23.1 |
| | Gallatin | 18.2 | Clinton | 15.0 |
| | Ballard | 17.2 | Carlisle | 13.3 |
| | Wolfe | 16.5 | Fulton | 11.9 |
| | Clinton | 15.4 | Lyon | 8.2 |
| | Cumberland | 15.3 | Gallatin | 7.5 |
| | Owsley | 15.1 | Ballard | 6.7 |
| | Lyon | 13.7 | Owsley | 6.6 |
| | Livingston | 12.3 | Hancock | 6.6 |
| | Lee | 11.3 | Lee | 6.1 |
| | Nicholas | 11.1 | Livingston | 6.0 |
| | Crittenden | 10.3 | Wolfe | 5.9 |
| | Elliott | 9.4 | Hickman | 5.3 |
| | Hancock | 8.9 | Crittenden | 5.0 |
| | Hickman | 8.4 | McLean | 4.7 |
| | Menifee | 8.1 | Trimble | 3.9 |
| | Carlisle | 8.0 | Elliott | 3.8 |
| | Bracken | 7.3 | Bracken | 3.6 |
| | Trimble | 6.9 | Menifee | 3.5 |
| | McLean | 6.7 | Robertson | 3.4 |
| Robertson | 5.7 | Nicholas | 3.4 | |
| 10,000-14,999 | Carroll | 24.5 | Trigg | 9.5 |
| | Martin | 15.3 | Powell | 8.1 |
| | Magoffin | 14.8 | Martin | 7.9 |
| | Powell | 14.5 | Butler | 7.5 |
| | Leslie | 12.8 | Todd | 7.0 |
| | Butler | 12.5 | Metcalfe | 6.3 |
| | Lewis | 12.3 | Morgan | 6.3 |
| | Garrard | 11.9 | Carroll | 6.1 |
| | Trigg | 11.9 | Garrard | 5.9 |
| | Jackson | 11.7 | Magoffin | 5.4 |
| | Morgan | 11.5 | Caldwell | 5.4 |
| | Todd | 10.8 | Jackson | 5.2 |
| | Bath | 9.8 | Leslie | 5.2 |
| | Caldwell | 9.1 | Monroe | 5.1 |
| | Metcalfe | 9.0 | Lewis | 5.0 |
| | Spencer | 8.2 | Spencer | 4.6 |
| | Pendleton | 8.0 | Larue | 4.6 |
| | Monroe | 7.4 | Fleming | 4.4 |
| | Washington | 7.2 | Webster | 4.4 |
| | Webster | 7.2 | Bath | 4.0 |
| Larue | 7.1 | Pendleton | 3.4 | |
| Fleming | 6.9 | Green | 3.3 | |
| Owen | 6.3 | Washington | 3.0 | |
| Green | 5.4 | Edmonson | 2.7 | |
| Edmonson | 4.4 | Owen | 2.6 | |
| 15,000-24,999 | Rockcastle | 21.4 | Rockcastle | 12.6 |
| | Rowan | 19.8 | Clay | 9.8 |
| | Clay | 18.8 | Lawrence | 9.3 |
| | Simpson | 15.5 | Casey | 8.7 |
| | Union | 15.4 | Rowan | 8.6 |
| | Casey | 14.6 | Simpson | 8.1 |
| | Lawrence | 14.2 | Adair | 7.8 |
| | Marion | 14.0 | McCreary | 7.1 |
| | Woodford | 13.8 | Russell | 6.6 |
| | Henry | 13.4 | Grant | 6.5 |
| | Adair | 13.4 | Grayson | 6.4 |
| | McCreary | 13.3 | Anderson | 6.2 |
| | Mason | 13.0 | Breckinridge | 6.2 |
| | Grant | 12.9 | Hart | 6.1 |
| | Anderson | 12.8 | Union | 6.1 |
| | Breathitt | 12.5 | Knott | 5.7 |
| | Bourbon | 12.4 | Johnson | 5.7 |
| | Johnson | 12.4 | Taylor | 5.5 |

TABLE 23. ALCOHOL CONVICTION RATES IN DECREASING ORDER (BY COUNTY POPULATION CATEGORIES)
(1997-2001) (continued)

| POPULATION | COUNTY | PER 1,000 LICENSED DRIVERS ANNUAL AVERAGE ALCOHOL CONVICTIONS | COUNTY | RELATED |
|---------------------------|--------------|--|------------|---|
| | | | | PER ALCOHOL- CONVICTIONS ALCOHOL CRASH |
| 15,000-24,999 (cont'd) | Russell | 12.3 | Wayne | 5.4 |
| | Estill | 11.7 | Woodford | 5.2 |
| | Knott | 11.7 | Ohio | 5.1 |
| | Taylor | 11.2 | Allen | 5.1 |
| | Montgomery | 10.0 | Henry | 4.9 |
| | Harrison | 9.6 | Mercer | 4.7 |
| | Hart | 9.4 | Harrison | 4.4 |
| | Grayson | 9.1 | Bourbon | 4.3 |
| | Allen | 8.8 | Estill | 4.3 |
| | Mercer | 8.5 | Breathitt | 4.2 |
| | Ohio | 8.2 | Montgomery | 4.0 |
| | Wayne | 7.6 | Lincoln | 3.9 |
| | Breckinridge | 7.0 | Mason | 3.9 |
| | Lincoln | 7.0 | Marion | 3.1 |
| 25,000 - 49,999 | Bell | 21.9 | Bell | 11.3 |
| | Harlan | 20.3 | Harlan | 11.0 |
| | Perry | 17.2 | Hopkins | 8.3 |
| | Shelby | 15.2 | Graves | 7.8 |
| | Clark | 15.1 | Meade | 7.7 |
| | Meade | 14.2 | Greenup | 7.3 |
| | Knox | 14.2 | Knox | 6.7 |
| | Floyd | 14.0 | Henderson | 6.6 |
| | Henderson | 14.0 | Perry | 6.6 |
| | Jessamine | 12.7 | Whitley | 6.4 |
| | Franklin | 12.5 | Calloway | 6.4 |
| | Greenup | 12.3 | Clark | 6.3 |
| | Hopkins | 12.2 | Shelby | 6.3 |
| | Whitley | 12.2 | Logan | 6.2 |
| | Carter | 12.0 | Marshall | 6.0 |
| | Graves | 11.6 | Franklin | 6.0 |
| | Logan | 10.8 | Floyd | 5.7 |
| | Scott | 10.1 | Carter | 5.5 |
| | Barren | 9.9 | Oldham | 5.4 |
| | Calloway | 9.9 | Muhlenberg | 5.4 |
| | Nelson | 9.7 | Barren | 5.2 |
| | Boyd | 9.3 | Jessamine | 5.1 |
| | Muhlenberg | 9.0 | Boyd | 5.0 |
| | Marshall | 8.8 | Scott | 4.9 |
| | Letcher | 7.9 | Boyle | 4.7 |
| | Boyle | 7.7 | Nelson | 4.3 |
| Oldham | 5.1 | Letcher | 3.8 | |
| 50,000 - OVER | Christian | 23.2 | Laurel | 10.7 |
| | Laurel | 18.2 | Christian | 8.7 |
| | Warren | 17.6 | Hardin | 7.1 |
| | Madison | 16.4 | Warren | 6.8 |
| | Campbell | 14.2 | Campbell | 6.7 |
| | McCracken | 13.1 | Pulaski | 6.6 |
| | Fayette | 12.4 | Bullitt | 6.4 |
| | Pike | 11.2 | McCracken | 6.0 |
| | Kenton | 10.8 | Boone | 5.2 |
| | Hardin | 10.6 | Madison | 5.1 |
| | Daviess | 10.5 | Daviess | 5.1 |
| | Bullitt | 10.5 | Fayette | 4.4 |
| | Boone | 10.3 | Pike | 4.2 |
| | Pulaski | 9.1 | Kenton | 4.1 |
| | Jefferson | 7.8 | Jefferson | 3.8 |

TABLE 24. PERCENTAGE OF DRIVERS CONVICTED OF DUI ARREST (BY COUNTY) (1997-2001)

| COUNTY | TOTAL DUI ARRESTS* | TOTAL DUI CONVICTIONS** | CONVICTION PERCENTAGE |
|--------------|--------------------|-------------------------|-----------------------|
| Adair | 1,043 | 743 | 71.2 |
| Allen | 744 | 520 | 69.9 |
| Anderson | 1,192 | 872 | 73.2 |
| Ballard | 655 | 523 | 79.8 |
| Barren | 1,921 | 1,301 | 67.7 |
| Bath | 528 | 368 | 69.7 |
| Bell | 2,808 | 1,870 | 66.6 |
| Boone | 4,596 | 3,138 | 68.3 |
| Bourbon | 1,289 | 851 | 66.0 |
| Boyd | 2,242 | 1,604 | 71.5 |
| Boyle | 1,077 | 724 | 67.2 |
| Bracken | 298 | 213 | 71.5 |
| Breathitt | 969 | 587 | 60.6 |
| Breckinridge | 611 | 456 | 74.6 |
| Bullitt | 3,707 | 2,354 | 63.5 |
| Butler | 727 | 545 | 75.0 |
| Caldwell | 543 | 434 | 79.9 |
| Calloway | 1,616 | 1,138 | 70.4 |
| Campbell | 5,601 | 4,251 | 75.9 |
| Carlisle | 219 | 159 | 72.6 |
| Carroll | 1,202 | 848 | 70.5 |
| Carter | 1,830 | 1,059 | 57.9 |
| Casey | 1,015 | 728 | 71.7 |
| Christian | 5,645 | 4,023 | 71.3 |
| Clark | 2,113 | 1,752 | 82.9 |
| Clay | 2,557 | 1,229 | 48.1 |
| Clinton | 793 | 511 | 64.4 |
| Crittenden | 430 | 341 | 79.3 |
| Cumberland | 535 | 370 | 69.2 |
| Daviess | 4,368 | 3,381 | 77.4 |
| Edmonson | 286 | 180 | 62.9 |
| Elliott | 289 | 207 | 71.6 |
| Estill | 928 | 595 | 64.1 |
| Fayette | 13,215 | 10,771 | 81.5 |
| Fleming | 399 | 331 | 83.0 |
| Floyd | 2,917 | 1,920 | 65.8 |
| Franklin | 3,189 | 2,091 | 65.6 |
| Fulton | 812 | 617 | 76.0 |
| Gallatin | 855 | 485 | 56.7 |
| Garrard | 902 | 601 | 66.6 |
| Grant | 1,155 | 998 | 86.4 |
| Graves | 2,069 | 1,483 | 71.7 |
| Grayson | 990 | 771 | 77.9 |
| Green | 287 | 212 | 73.9 |
| Greenup | 2,318 | 1,618 | 69.8 |
| Hancock | 393 | 277 | 70.5 |
| Hardin | 4,390 | 3,210 | 73.1 |
| Harlan | 2,695 | 2,117 | 78.6 |
| Harrison | 807 | 601 | 74.5 |
| Hart | 733 | 535 | 73.0 |
| Henderson | 2,772 | 2,237 | 80.7 |
| Henry | 927 | 712 | 76.8 |
| Hickman | 225 | 159 | 70.7 |
| Hopkins | 2,410 | 1,985 | 82.4 |
| Jackson | 749 | 502 | 67.0 |
| Jefferson | 29,906 | 18,234 | 61.0 |
| Jessamine | 2,372 | 1,676 | 70.7 |
| Johnson | 1,481 | 981 | 66.2 |
| Kenton | 8,985 | 5,525 | 61.5 |
| Knott | 893 | 623 | 69.8 |
| Knox | 2,105 | 1,395 | 66.3 |
| Larue | 463 | 337 | 72.8 |

TABLE 24. PERCENTAGE OF DRIVERS CONVICTED OF DUI ARREST (BY COUNTY) (1997-2001) (continued)

| COUNTY | TOTAL DUI ARRESTS* | TOTAL DUI CONVICTIONS** | CONVICTION PERCENTAGE |
|------------|--------------------|-------------------------|-----------------------|
| Laurel | 4,216 | 3,199 | 75.9 |
| Lawrence | 1,006 | 731 | 72.7 |
| Lee | 405 | 275 | 67.9 |
| Leslie | 990 | 522 | 52.7 |
| Letcher | 1,004 | 672 | 66.9 |
| Lewis | 699 | 561 | 80.3 |
| Lincoln | 738 | 539 | 73.0 |
| Livingston | 538 | 445 | 82.7 |
| Logan | 1,456 | 983 | 67.5 |
| Lyon | 528 | 369 | 69.9 |
| McCracken | 4,083 | 3,203 | 78.4 |
| McCreary | 1,053 | 701 | 66.6 |
| McLean | 311 | 242 | 77.8 |
| Madison | 5,255 | 3,750 | 71.4 |
| Magoffin | 858 | 629 | 73.3 |
| Marion | 1,377 | 829 | 60.2 |
| Marshall | 1,322 | 1,015 | 76.8 |
| Martin | 848 | 622 | 73.3 |
| Mason | 1,010 | 761 | 75.3 |
| Meade | 1,601 | 1,181 | 73.8 |
| Menifee | 288 | 173 | 60.1 |
| Mercer | 743 | 640 | 86.1 |
| Metcalfe | 422 | 304 | 72.0 |
| Monroe | 475 | 297 | 62.5 |
| Montgomery | 1,110 | 780 | 70.3 |
| Morgan | 609 | 459 | 75.4 |
| Muhlenberg | 1,322 | 993 | 75.1 |
| Nelson | 1,780 | 1,297 | 72.9 |
| Nicholas | 432 | 284 | 65.7 |
| Ohio | 966 | 654 | 67.7 |
| Oldham | 1,339 | 821 | 61.3 |
| Owen | 360 | 222 | 61.7 |
| Owsley | 524 | 258 | 49.2 |
| Pendleton | 596 | 401 | 67.3 |
| Perry | 2,514 | 1,725 | 68.6 |
| Pike | 4,469 | 2,554 | 57.1 |
| Powell | 1,014 | 649 | 64.0 |
| Pulaski | 3,177 | 1,831 | 57.6 |
| Robertson | 71 | 44 | 62.0 |
| Rockcastle | 1,699 | 1,151 | 67.7 |
| Rowan | 1,605 | 1,325 | 82.6 |
| Russell | 1,095 | 715 | 65.3 |
| Scott | 1,703 | 1,165 | 68.4 |
| Shelby | 2,211 | 1,680 | 76.0 |
| Simpson | 1,187 | 888 | 74.8 |
| Spencer | 546 | 347 | 63.6 |
| Taylor | 1,151 | 891 | 77.4 |
| Todd | 572 | 421 | 73.6 |
| Trigg | 729 | 543 | 74.5 |
| Trimble | 265 | 200 | 75.5 |
| Union | 1,038 | 830 | 80.0 |
| Warren | 6,955 | 5,262 | 75.7 |
| Washington | 404 | 278 | 68.8 |
| Wayne | 746 | 484 | 64.9 |
| Webster | 506 | 354 | 70.0 |
| Whitley | 2,370 | 1,341 | 56.6 |
| Wolfe | 588 | 398 | 67.7 |
| Woodford | 1,629 | 1,168 | 71.7 |
| TOTAL | 224,299 | 155,935 | 69.5 |

* Obtained from Administrative Office of the Courts

** Obtained from Division of Driver Licensing of KY Transportation Cabinet

TABLE 25. DUI ARREST CONVICTION RATES BY COUNTY AND POPULATION CATEGORY
(IN DESCENDING ORDER) (1997-2001)

| POPULATION CATEGORY | AVERAGE CONVICTION PERCENTAGE | COUNTY | TOTAL DUI ARRESTS | TOTAL DUI CONVICTIONS | CONVICTION PERCENTAGE |
|---------------------|-------------------------------------|--------------|----------------------|--------------------------|--------------------------|
| UNDER 10,000 | 69.4 | Livingston | 538 | 445 | 82.7 |
| | | Ballard | 655 | 523 | 79.8 |
| | | Crittenden | 430 | 341 | 79.3 |
| | | Fulton | 812 | 617 | 76.0 |
| | | Trimble | 265 | 200 | 75.5 |
| | | McLean | 1010 | 761 | 75.3 |
| | | Carlisle | 219 | 159 | 72.6 |
| | | Elliott | 289 | 207 | 71.6 |
| | | Bracken | 298 | 213 | 71.5 |
| | | Hickman | 225 | 159 | 70.7 |
| | | Hancock | 393 | 277 | 70.5 |
| | | Lyon | 528 | 369 | 69.9 |
| | | Cumberland | 535 | 370 | 69.2 |
| | | Lee | 405 | 275 | 67.9 |
| | | Wolfe | 588 | 398 | 67.7 |
| | | Nicholas | 432 | 284 | 65.7 |
| | | Clinton | 793 | 511 | 64.4 |
| | | Robertson | 71 | 44 | 62.0 |
| | | Menifee | 288 | 173 | 60.1 |
| | | Gallatin | 855 | 485 | 56.7 |
| Owsley | 524 | 258 | 49.2 | | |
| 10,000-14,999 | 69.9 | Fleming | 399 | 331 | 83.0 |
| | | Lewis | 699 | 561 | 80.3 |
| | | Caldwell | 543 | 434 | 79.9 |
| | | Morgan | 609 | 459 | 75.4 |
| | | Butler | 727 | 545 | 75.0 |
| | | Trigg | 729 | 543 | 74.5 |
| | | Green | 287 | 212 | 73.9 |
| | | Todd | 572 | 421 | 73.6 |
| | | Martin | 858 | 629 | 73.3 |
| | | Larue | 463 | 337 | 72.8 |
| | | Metcalfe | 422 | 304 | 72.0 |
| | | Carroll | 1202 | 848 | 70.5 |
| | | Webster | 506 | 354 | 70.0 |
| | | Bath | 528 | 368 | 69.7 |
| | | Washington | 404 | 278 | 68.8 |
| | | Pendleton | 596 | 401 | 67.3 |
| | | Jackson | 749 | 502 | 67.0 |
| | | Garrard | 902 | 601 | 66.6 |
| | | Magoffin | 1053 | 701 | 66.6 |
| | | Powell | 1014 | 649 | 64.0 |
| | | Spencer | 546 | 347 | 63.6 |
| | | Edmonson | 286 | 180 | 62.9 |
| | | Monroe | 475 | 297 | 62.5 |
| Owen | 360 | 222 | 61.7 | | |
| Leslie | 990 | 522 | 52.7 | | |
| 15,000-24,999 | 71.5 | Grant | 1155 | 998 | 86.4 |
| | | Mercer | 743 | 640 | 86.1 |
| | | Rowan | 1605 | 1325 | 82.6 |
| | | Union | 1038 | 830 | 80.0 |
| | | Grayson | 990 | 771 | 77.9 |
| | | Marion | 311 | 242 | 77.8 |
| | | Taylor | 1151 | 891 | 77.4 |
| | | Henry | 927 | 712 | 76.8 |
| | | Simpson | 1187 | 888 | 74.8 |
| | | Breckinridge | 611 | 456 | 74.6 |
| | | Harrison | 807 | 601 | 74.5 |
| | | McCreary | 848 | 622 | 73.3 |
| | | Anderson | 1192 | 872 | 73.2 |
| | | Lincoln | 738 | 539 | 73.0 |
| | | Hart | 733 | 535 | 73.0 |

TABLE 25. DUI ARREST CONVICTION RATES BY COUNTY AND POPULATION CATEGORY
(IN DESCENDING ORDER) (1997-2001) (continued)

| POPULATION CATEGORY | AVERAGE CONVICTION PERCENTAGE | COUNTY | TOTAL ARRESTS | TOTAL CONVICTIONS | CONVICTION PERCENTAGE |
|------------------------------|-------------------------------------|------------|------------------|----------------------|--------------------------|
| 15,000-24,999 (continued) | | Lawrence | 1006 | 731 | 72.7 |
| | | Casey | 1015 | 728 | 71.7 |
| | | Woodford | 1629 | 1168 | 71.7 |
| | | Adair | 1043 | 743 | 71.2 |
| | | Montgomery | 1110 | 780 | 70.3 |
| | | Allen | 744 | 520 | 69.9 |
| | | Knott | 893 | 623 | 69.8 |
| | | Rockcastle | 1699 | 1151 | 67.7 |
| | | Ohio | 966 | 654 | 67.7 |
| | | Johnson | 1481 | 981 | 66.2 |
| | | Bourbon | 1289 | 851 | 66.0 |
| | | Russell | 1095 | 715 | 65.3 |
| | | Wayne | 746 | 484 | 64.9 |
| | | Estill | 928 | 595 | 64.1 |
| | | Breathitt | 969 | 587 | 60.6 |
| | Mason | 1377 | 829 | 60.2 | |
| | Clay | 2557 | 1229 | 48.1 | |
| 25,000-49,999 | 70.2 | Clark | 2113 | 1752 | 82.9 |
| | | Hopkins | 2410 | 1985 | 82.4 |
| | | Henderson | 2772 | 2237 | 80.7 |
| | | Harlan | 2695 | 2117 | 78.6 |
| | | Shelby | 2211 | 1680 | 76.0 |
| | | Muhlenberg | 1322 | 993 | 75.1 |
| | | Meade | 1601 | 1181 | 73.8 |
| | | Nelson | 1780 | 1297 | 72.9 |
| | | Graves | 2069 | 1483 | 71.7 |
| | | Boyd | 2242 | 1604 | 71.5 |
| | | Marshall | 5255 | 3750 | 71.4 |
| | | Jessamine | 2372 | 1676 | 70.7 |
| | | Calloway | 1616 | 1138 | 70.4 |
| | | Greenup | 2318 | 1618 | 69.8 |
| | | Perry | 2514 | 1725 | 68.6 |
| | | Scott | 1703 | 1165 | 68.4 |
| | | Barren | 1921 | 1301 | 67.7 |
| | | Logan | 1456 | 983 | 67.5 |
| | | Boyle | 1077 | 724 | 67.2 |
| | | Letcher | 1004 | 672 | 66.9 |
| | | Bell | 2808 | 1870 | 66.6 |
| | | Knox | 2105 | 1395 | 66.3 |
| | | Floyd | 2917 | 1920 | 65.8 |
| Franklin | 3189 | 2091 | 65.6 | | |
| Oldham | 1339 | 821 | 61.3 | | |
| Carter | 1830 | 1059 | 57.9 | | |
| Whitley | 2370 | 1341 | 56.6 | | |
| 50,000 - OVER | 70.3 | Fayette | 13215 | 10771 | 81.5 |
| | | Madison | 4083 | 3203 | 78.4 |
| | | Daviess | 4368 | 3381 | 77.4 |
| | | McCracken | 1,322 | 1,015 | 76.8 |
| | | Campbell | 5601 | 4251 | 75.9 |
| | | Laurel | 4216 | 3199 | 75.9 |
| | | Warren | 6955 | 5262 | 75.7 |
| | | Hardin | 4390 | 3210 | 73.1 |
| | | Christian | 5645 | 4023 | 71.3 |
| | | Boone | 4596 | 3138 | 68.3 |
| | | Bullitt | 3707 | 2354 | 63.5 |
| | | Kenton | 8985 | 5525 | 61.5 |
| | | Jefferson | 29906 | 18234 | 61.0 |
| | | Pulaski | 3177 | 1831 | 57.6 |
| | | Pike | 4469 | 2554 | 57.1 |

TABLE 26. SUMMARY OF RECKLESS DRIVING CONVICTIONS BY COUNTY (1997-2001)

| COUNTY | | | | | | TOTAL | ANNUAL AVERAGE |
|--------------|-------|-------|-------|------|------|--|--|
| | 1997 | 1998 | 1999 | 2000 | 2001 | RECKLESS DRIVING CONVICTIONS (FIVE YEARS) | RECKLESS DRIVING CONVICTIONS PER 1,000 LICENSED DRIVERS |
| Adair | 15 | 21 | 25 | 15 | 18 | 94 | 1.7 |
| Allen | 22 | 20 | 12 | 7 | 8 | 69 | 1.2 |
| Anderson | 17 | 24 | 38 | 24 | 19 | 122 | 1.8 |
| Ballard | 17 | 12 | 8 | 3 | 9 | 49 | 1.6 |
| Barren | 108 | 85 | 98 | 81 | 81 | 453 | 3.5 |
| Bath | 10 | 1 | 16 | 9 | 6 | 42 | 1.1 |
| Bell | 49 | 45 | 24 | 29 | 35 | 182 | 2.1 |
| Boone | 108 | 120 | 128 | 137 | 90 | 583 | 1.9 |
| Bourbon | 31 | 16 | 20 | 28 | 42 | 137 | 2.0 |
| Boyd | 59 | 68 | 78 | 56 | 71 | 332 | 1.9 |
| Boyle | 30 | 39 | 28 | 24 | 21 | 142 | 1.5 |
| Bracken | 20 | 17 | 14 | 18 | 12 | 81 | 2.8 |
| Breathitt | 12 | 11 | 27 | 17 | 17 | 84 | 1.8 |
| Breckinridge | 29 | 29 | 21 | 19 | 14 | 112 | 1.7 |
| Bullitt | 84 | 94 | 130 | 140 | 133 | 581 | 2.6 |
| Butler | 12 | 14 | 14 | 6 | 12 | 58 | 1.3 |
| Caldwell | 24 | 31 | 27 | 16 | 19 | 117 | 2.5 |
| Calloway | 39 | 40 | 18 | 28 | 26 | 151 | 1.3 |
| Campbell | 150 | 155 | 208 | 142 | 99 | 754 | 2.5 |
| Carlisle | 8 | 9 | 5 | 3 | 2 | 27 | 1.4 |
| Carroll | 18 | 16 | 18 | 16 | 18 | 86 | 2.5 |
| Carter | 21 | 42 | 45 | 80 | 98 | 286 | 3.3 |
| Casey | 25 | 31 | 15 | 11 | 10 | 92 | 1.8 |
| Christian | 133 | 84 | 90 | 80 | 90 | 477 | 2.8 |
| Clark | 21 | 16 | 22 | 28 | 36 | 123 | 1.1 |
| Clay | 29 | 30 | 42 | 33 | 23 | 157 | 2.4 |
| Clinton | 36 | 30 | 53 | 28 | 17 | 164 | 4.9 |
| Crittenden | 7 | 14 | 21 | 19 | 13 | 74 | 2.2 |
| Cumberland | 15 | 15 | 33 | 7 | 21 | 91 | 3.8 |
| Daviess | 88 | 122 | 103 | 67 | 59 | 439 | 1.4 |
| Edmonson | 16 | 7 | 5 | 6 | 2 | 36 | 0.9 |
| Elliott | 3 | 9 | 4 | 8 | 5 | 29 | 1.3 |
| Estill | 23 | 27 | 33 | 18 | 10 | 111 | 2.2 |
| Fayette | 513 | 437 | 414 | 445 | 294 | 2,103 | 2.4 |
| Fleming | 5 | 13 | 17 | 12 | 16 | 63 | 1.3 |
| Floyd | 79 | 77 | 45 | 47 | 38 | 286 | 2.1 |
| Franklin | 109 | 141 | 128 | 150 | 115 | 643 | 3.8 |
| Fulton | 7 | 12 | 16 | 12 | 8 | 55 | 2.3 |
| Gallatin | 24 | 20 | 27 | 33 | 29 | 133 | 5.0 |
| Garrard | 17 | 24 | 47 | 54 | 18 | 160 | 3.2 |
| Grant | 30 | 32 | 28 | 34 | 22 | 146 | 1.9 |
| Graves | 40 | 24 | 40 | 52 | 38 | 194 | 1.5 |
| Grayson | 34 | 47 | 33 | 40 | 38 | 192 | 2.3 |
| Green | 3 | 20 | 7 | 5 | 1 | 36 | 0.9 |
| Greenup | 46 | 59 | 75 | 47 | 71 | 298 | 2.3 |
| Hancock | 6 | 15 | 5 | 9 | 6 | 41 | 1.3 |
| Hardin | 200 | 179 | 172 | 117 | 118 | 786 | 2.6 |
| Harlan | 100 | 64 | 58 | 54 | 41 | 317 | 3.0 |
| Harrison | 29 | 29 | 22 | 20 | 12 | 112 | 1.8 |
| Hart | 19 | 18 | 7 | 9 | 9 | 62 | 1.1 |
| Henderson | 65 | 64 | 59 | 67 | 45 | 300 | 1.9 |
| Henry | 18 | 11 | 9 | 9 | 7 | 54 | 1.0 |
| Hickman | 1 | 9 | 9 | 8 | 6 | 33 | 1.7 |
| Hopkins | 76 | 57 | 42 | 47 | 43 | 265 | 1.6 |
| Jackson | 5 | 15 | 5 | 13 | 6 | 44 | 1.0 |
| Jefferson | 1,353 | 1,162 | 1,090 | 735 | 568 | 4,908 | 2.1 |
| Jessamine | 37 | 35 | 47 | 60 | 65 | 244 | 1.9 |
| Johnson | 38 | 25 | 25 | 42 | 33 | 163 | 2.1 |
| Kenton | 333 | 297 | 441 | 282 | 215 | 1,568 | 3.1 |
| Knott | 3 | 12 | 13 | 8 | 18 | 54 | 1.0 |
| Knox | 78 | 60 | 49 | 45 | 36 | 268 | 2.7 |
| Larue | 17 | 16 | 10 | 4 | 5 | 52 | 1.1 |
| Laurel | 46 | 51 | 44 | 50 | 50 | 241 | 1.4 |

TABLE 26. SUMMARY OF RECKLESS DRIVING CONVICTIONS BY COUNTY (1997-2001) (continued)

| COUNTY | | | | | | RECKLESS DRIVING CONVICTIONS | RECKLESS DRIVING CONVICTIONS PER 1,000 |
|------------|-------|-------|-------|-------|-------|------------------------------------|--|
| | 1997 | 1998 | 1999 | 2000 | 2001 | (FIVE YEARS) | LICENSED DRIVERS |
| Lawrence | 24 | 16 | 15 | 20 | 22 | 97 | 1.9 |
| Lee | 6 | 8 | 8 | 4 | 2 | 28 | 1.2 |
| Leslie | 10 | 6 | 20 | 16 | 4 | 56 | 1.4 |
| Letcher | 19 | 15 | 27 | 14 | 20 | 95 | 1.1 |
| Lewis | 12 | 15 | 27 | 12 | 15 | 81 | 1.8 |
| Lincoln | 22 | 34 | 28 | 20 | 20 | 124 | 1.6 |
| Livingston | 17 | 10 | 13 | 12 | 28 | 80 | 2.2 |
| Logan | 34 | 41 | 39 | 45 | 36 | 195 | 2.1 |
| Lyon | 23 | 19 | 30 | 28 | 38 | 138 | 5.1 |
| McCracken | 112 | 91 | 77 | 83 | 59 | 422 | 1.7 |
| McCreary | 25 | 26 | 29 | 9 | 9 | 98 | 1.9 |
| McLean | 13 | 9 | 6 | 15 | 13 | 56 | 1.6 |
| Madison | 40 | 55 | 65 | 85 | 80 | 325 | 1.4 |
| Magoffin | 23 | 11 | 6 | 10 | 7 | 57 | 1.3 |
| Marion | 60 | 37 | 53 | 30 | 27 | 207 | 3.5 |
| Marshall | 18 | 24 | 22 | 31 | 14 | 109 | 0.9 |
| Martin | 19 | 4 | 10 | 15 | 20 | 68 | 1.7 |
| Mason | 21 | 31 | 33 | 23 | 51 | 159 | 2.7 |
| Meade | 63 | 66 | 48 | 27 | 28 | 232 | 2.8 |
| Menifee | 8 | 7 | 13 | 6 | 13 | 47 | 2.2 |
| Mercer | 33 | 20 | 14 | 12 | 12 | 91 | 1.2 |
| Metcalfe | 21 | 22 | 21 | 27 | 22 | 113 | 3.3 |
| Monroe | 22 | 25 | 29 | 23 | 11 | 110 | 2.7 |
| Montgomery | 23 | 25 | 49 | 28 | 22 | 147 | 1.9 |
| Morgan | 14 | 18 | 7 | 8 | 6 | 53 | 1.3 |
| Muhlenberg | 39 | 34 | 16 | 20 | 44 | 153 | 1.4 |
| Nelson | 63 | 51 | 62 | 78 | 70 | 324 | 2.4 |
| Nicholas | 20 | 14 | 20 | 19 | 16 | 89 | 3.5 |
| Ohio | 23 | 27 | 15 | 14 | 15 | 94 | 1.2 |
| Oldham | 13 | 12 | 14 | 6 | 17 | 62 | 0.4 |
| Owen | 11 | 7 | 6 | 10 | 23 | 57 | 1.6 |
| Owsley | 9 | 10 | 17 | 14 | 8 | 58 | 3.4 |
| Pendleton | 21 | 24 | 14 | 16 | 20 | 95 | 1.9 |
| Perry | 40 | 39 | 27 | 18 | 13 | 137 | 1.4 |
| Pike | 115 | 84 | 61 | 50 | 66 | 376 | 1.6 |
| Powell | 16 | 13 | 12 | 10 | 9 | 60 | 1.3 |
| Pulaski | 98 | 120 | 88 | 106 | 92 | 504 | 2.5 |
| Robertson | 5 | 1 | 3 | 6 | 2 | 17 | 2.2 |
| Rockcastle | 41 | 43 | 36 | 28 | 28 | 176 | 3.3 |
| Rowan | 34 | 33 | 51 | 42 | 28 | 188 | 2.8 |
| Russell | 16 | 7 | 11 | 10 | 19 | 63 | 1.1 |
| Scott | 76 | 57 | 46 | 48 | 42 | 269 | 2.3 |
| Shelby | 22 | 40 | 47 | 49 | 33 | 191 | 1.7 |
| Simpson | 9 | 15 | 19 | 16 | 15 | 74 | 1.3 |
| Spencer | 0 | 9 | 4 | 9 | 6 | 28 | 0.7 |
| Taylor | 33 | 40 | 17 | 28 | 29 | 147 | 1.8 |
| Todd | 17 | 15 | 12 | 12 | 9 | 65 | 1.7 |
| Trigg | 23 | 23 | 19 | 20 | 12 | 97 | 2.1 |
| Trimble | 3 | 1 | 0 | 0 | 2 | 6 | 0.2 |
| Union | 15 | 15 | 19 | 29 | 14 | 92 | 1.7 |
| Warren | 210 | 191 | 119 | 124 | 107 | 751 | 2.5 |
| Washington | 14 | 10 | 11 | 10 | 13 | 58 | 1.5 |
| Wayne | 10 | 25 | 20 | 20 | 12 | 87 | 1.4 |
| Webster | 14 | 19 | 16 | 22 | 6 | 77 | 1.6 |
| Whitley | 45 | 54 | 56 | 82 | 55 | 292 | 2.7 |
| Wolfe | 12 | 13 | 23 | 19 | 17 | 84 | 3.5 |
| Woodford | 25 | 38 | 43 | 43 | 40 | 189 | 2.2 |
| TOTAL | 6,384 | 6,038 | 6,020 | 5,294 | 4,568 | 28,304 | 2.1 |

TABLE 27. PERCENTAGE OF CRASHES INVOLVING DRUGS BY COUNTY AND POPULATION CATEGORY
(IN ORDER OF DECREASING PERCENTAGES) (1997-2001)(ALL ROADS)

| COUNTY | NUMBER OF CRASHES | PERCENT OF TOTAL CRASHES | COUNTY | NUMBER OF CRASHES | PERCENT OF TOTAL CRASHES |
|--|----------------------|--------------------------------|--|----------------------|--------------------------------|
| POPULATION CATEGORY UNDER 10,000 | | | POPULATION CATEGORY 15,000-24,999 | | |
| Nicholas | 12 | 1.4 | Johnson | 100 | 3.6 |
| Lee | 8 | 1.4 | Clay | 76 | 3.2 |
| Crittenden | 14 | 1.2 | Breathitt | 47 | 2.2 |
| Cumberland | 5 | 1.1 | Lawrence | 33 | 2.2 |
| Owsley | 4 | 1.1 | Knott | 25 | 1.4 |
| Hickman | 5 | 1.0 | Russell | 18 | 1.2 |
| Clinton | 7 | 0.9 | Casey | 13 | 1.1 |
| Wolfe | 9 | 0.9 | Estill | 21 | 1.1 |
| Fulton | 9 | 0.9 | Rockcastle | 24 | 1.0 |
| Elliott | 5 | 0.9 | McCreary | 15 | 1.0 |
| Livingston | 7 | 0.7 | Adair | 20 | 0.8 |
| Ballard | 8 | 0.7 | Bourbon | 26 | 0.8 |
| Lyon | 7 | 0.6 | Mercer | 20 | 0.7 |
| Gallatin | 4 | 0.4 | Allen | 15 | 0.7 |
| Trimble | 4 | 0.4 | Ohio | 18 | 0.6 |
| McLean | 3 | 0.3 | Lincoln | 13 | 0.6 |
| Carlisle | 1 | 0.3 | Wayne | 13 | 0.6 |
| Menifee | 1 | 0.2 | Simpson | 14 | 0.5 |
| Bracken | 2 | 0.2 | Grayson | 13 | 0.5 |
| Hancock | 2 | 0.2 | Hart | 11 | 0.5 |
| Robertson | 0 | 0.0 | Taylor | 19 | 0.5 |
| POPULATION CATEGORY 10,000-14,999 | | | Harrison | 15 | 0.5 |
| Martin | 56 | 4.2 | Mason | 19 | 0.5 |
| Leslie | 47 | 3.5 | Rowan | 19 | 0.4 |
| Magoffin | 42 | 3.3 | Union | 8 | 0.4 |
| Jackson | 21 | 1.5 | Montgomery | 13 | 0.3 |
| Caldwell | 15 | 0.9 | Woodford | 10 | 0.3 |
| Pendleton | 13 | 0.7 | Anderson | 6 | 0.3 |
| Lewis | 10 | 0.7 | Marion | 8 | 0.3 |
| Spencer | 7 | 0.7 | Henry | 7 | 0.3 |
| Powell | 12 | 0.7 | Grant | 10 | 0.2 |
| Butler | 9 | 0.7 | Breckinridge | 1 | 0.1 |
| Todd | 9 | 0.7 | POPULATION CATEGORY 25,000-50,000 | | |
| Fleming | 8 | 0.6 | Knox | 102 | 2.6 |
| Bath | 9 | 0.6 | Floyd | 127 | 2.4 |
| Webster | 10 | 0.5 | Bell | 69 | 2.0 |
| Garrard | 11 | 0.5 | Harlan | 62 | 1.7 |
| Trigg | 8 | 0.5 | Letcher | 44 | 1.5 |
| Monroe | 5 | 0.5 | Perry | 72 | 1.4 |
| Carroll | 10 | 0.5 | Greenup | 52 | 1.3 |
| Edmonson | 5 | 0.4 | Carter | 40 | 1.1 |
| Larue | 3 | 0.2 | Whitley | 57 | 1.1 |
| Green | 3 | 0.2 | Muhlenberg | 38 | 0.8 |
| Washington | 1 | 0.1 | Boyd | 74 | 0.7 |
| Owen | 1 | 0.1 | Logan | 19 | 0.6 |
| Metcalfe | 1 | 0.1 | Marshall | 25 | 0.6 |
| Morgan | 0 | 0.0 | Meade | 14 | 0.5 |
| | | | Calloway | 19 | 0.5 |
| | | | Clark | 29 | 0.5 |
| | | | Hopkins | 39 | 0.5 |
| | | | Jessamine | 31 | 0.5 |
| | | | Graves | 22 | 0.5 |
| | | | Henderson | 37 | 0.4 |
| | | | Oldham | 20 | 0.4 |
| | | | Franklin | 29 | 0.4 |
| | | | Boyle | 12 | 0.3 |
| | | | Barren | 22 | 0.3 |
| | | | Nelson | 19 | 0.3 |
| | | | Shelby | 16 | 0.3 |
| | | | Scott | 15 | 0.2 |
| | | | POPULATION CATEGORY OVER 50,000 | | |
| | | | Pike | 249 | 2.3 |
| | | | Laurel | 106 | 1.3 |
| | | | Pulaski | 58 | 0.7 |
| | | | Warren | 107 | 0.5 |
| | | | Daviess | 83 | 0.5 |
| | | | Fayette | 230 | 0.4 |
| | | | Kenton | 111 | 0.4 |
| | | | Campbell | 60 | 0.4 |
| | | | Christian | 39 | 0.4 |
| | | | Madison | 54 | 0.4 |
| | | | McCracken | 50 | 0.4 |
| | | | Hardin | 47 | 0.3 |
| | | | Bullitt | 22 | 0.3 |
| | | | Jefferson | 237 | 0.2 |
| | | | Boone | 36 | 0.2 |

TABLE 28. PERCENTAGE OF CRASHES INVOLVING DRUGS BY CITY AND POPULATION CATEGORY
(IN ORDER OF DECREASING PERCENTAGES)(1997-2001)

| CITY | NUMBER OF DRUG-RELATED CRASHES | PERCENTAGE OF CRASHES INVOLVING DRUGS | CITY | NUMBER OF DRUG-RELATED CRASHES | PERCENTAGE OF CRASHES INVOLVING DRUGS |
|-----------------------------------|--------------------------------|---------------------------------------|---------------------------------|--------------------------------|---------------------------------------|
| POPULATION CATEGORY OVER 200,000 | | | POPULATION CATEGORY 2,500-4,999 | | |
| Lexington | 113 | 0.2 | Barbourville | 14 | 2.0 |
| Louisville | 71 | 0.1 | Irvine | 6 | 1.1 |
| POPULATION CATEGORY 20,000-55,000 | | | Paintsville | 9 | 1.0 |
| Owensboro | 28 | 0.3 | Flemingsburg | 3 | 0.9 |
| Bowling Green | 41 | 0.3 | Fulton | 3 | 0.8 |
| Paducah | 21 | 0.3 | Hartford | 1 | 0.7 |
| Richmond | 15 | 0.3 | Prestonsburg | 7 | 0.7 |
| Covington | 22 | 0.2 | Park Hills | 1 | 0.6 |
| Frankfort | 8 | 0.2 | Beaver Dam | 3 | 0.6 |
| Ashland | 11 | 0.2 | Lancaster | 3 | 0.5 |
| Hopkinsville | 12 | 0.2 | Williamstown | 3 | 0.5 |
| Florence | 8 | 0.1 | Scottsville | 4 | 0.5 |
| Elizabethtown | 6 | 0.1 | Tompkinsville | 2 | 0.4 |
| Henderson | 6 | 0.1 | Carrollton | 3 | 0.4 |
| Radcliff | 2 | 0.1 | Greenville | 3 | 0.4 |
| POPULATION CATEGORY 10,000-19,999 | | | Dawson Springs | 1 | 0.4 |
| Middlesboro | 15 | 1.1 | Stanford | 1 | 0.3 |
| Fort Thomas | 6 | 0.6 | Providence | 1 | 0.3 |
| Newport | 13 | 0.4 | Marion | 1 | 0.3 |
| Campbellsville | 8 | 0.4 | Russell | 2 | 0.3 |
| Winchester | 14 | 0.4 | Stanton | 1 | 0.3 |
| Somerset | 10 | 0.3 | Hazard | 6 | 0.3 |
| Madisonville | 7 | 0.2 | Mount Vernon | 2 | 0.3 |
| Nicholasville | 5 | 0.2 | Grayson | 2 | 0.2 |
| Shively | 8 | 0.2 | Morganfield | 1 | 0.2 |
| Glasgow | 5 | 0.2 | Columbia | 1 | 0.1 |
| Independence | 2 | 0.1 | | | |
| Murray | 2 | 0.1 | | | |
| Danville | 3 | 0.1 | | | |
| Erlanger | 4 | 0.1 | | | |
| Georgetown | 2 | 0.1 | | | |
| Bardstown | 3 | 0.1 | | | |
| Mayfield | 1 | 0.1 | | | |
| POPULATION CATEGORY 5,000-9,999 | | | | | |
| Williamsburg | 12 | 1.6 | | | |
| Corbin | 22 | 1.1 | | | |
| London | 17 | 0.7 | | | |
| La Grange | 5 | 0.6 | | | |
| Central City | 5 | 0.6 | | | |
| Monticello | 7 | 0.6 | | | |
| Harrodsburg | 9 | 0.6 | | | |
| Pikeville | 9 | 0.5 | | | |
| Wilmore | 1 | 0.5 | | | |
| Berea | 5 | 0.4 | | | |
| Franklin | 4 | 0.4 | | | |
| Flatwoods | 2 | 0.4 | | | |
| Leitchfield | 2 | 0.4 | | | |
| Bellevue | 4 | 0.4 | | | |
| Highland Heights | 2 | 0.3 | | | |
| Russellville | 4 | 0.3 | | | |
| Mount Washington | 2 | 0.3 | | | |
| Edgewood | 2 | 0.3 | | | |
| Paris | 5 | 0.3 | | | |
| Princeton | 2 | 0.2 | | | |
| Elsmere | 1 | 0.2 | | | |
| Versailles | 2 | 0.2 | | | |
| Fort Mitchell | 3 | 0.2 | | | |
| Morehead | 4 | 0.2 | | | |
| Maysville | 5 | 0.2 | | | |
| Cynthiana | 2 | 0.2 | | | |
| Fort Wright | 4 | 0.2 | | | |
| Taylor Mill | 2 | 0.2 | | | |
| Lawrenceburg | 1 | 0.1 | | | |
| Mount Sterling | 1 | 0.1 | | | |
| Shepherdsville | 2 | 0.1 | | | |

TABLE 29. SAFETY BELT USAGE (DRIVERS OF PASSENGER CARS INVOLVED IN CRASHES BY COUNTY AND POPULATION CATEGORY) (IN DESCENDING ORDER)(1997-2001)

| COUNTY | PERCENT SEAT BELT USAGE | COUNTY | PERCENT SEAT BELT USAGE |
|-----------------------------------|-------------------------|-----------------------------------|-------------------------|
| POPULATION CATEGORY UNDER 10,000 | | POPULATION CATEGORY 15,000-24,999 | |
| Livingston | 90.5 | Hart | 91.9 |
| Lyon | 90.0 | Woodford | 91.7 |
| Carlisle | 89.1 | Grant | 91.2 |
| Ballard | 88.8 | Ohio | 90.8 |
| Crittenden | 88.3 * | Breckinridge | 89.8 |
| Gallatin | 87.9 | Rowan | 89.6 * |
| Trimble | 87.7 | Montgomery | 89.5 |
| Hickman | 87.3 | Mercer | 88.5 |
| Wolfe | 85.8 | Johnson | 88.4 * |
| McLean | 85.7 | Harrison | 88.3 * |
| Hancock | 85.5 | Union | 88.2 |
| Fulton | 85.4 | Knott | 88.2 |
| Elliott | 84.0 | Grayson | 88.1 |
| Lee | 83.2 | Anderson | 87.7 |
| Bracken | 82.1 | McCreary | 87.7 |
| Nicholas | 79.8 | Breathitt | 87.5 |
| Cumberland | 79.6 | Estill | 87.5 |
| Robertson | 79.6 | Lawrence | 86.7 |
| Owsley | 79.4 | Simpson | 86.6 |
| Menifee | 79.3 | Clay | 86.1 |
| Clinton | 79.2 | Bourbon | 85.7 |
| POPULATION CATEGORY 10,000-14,999 | | Rockcastle | 85.5 |
| Webster | 92.4 | Mason | 85.5 |
| Trigg | 89.7 | Henry | 85.1 |
| Caldwell | 89.6 | Taylor | 84.2 |
| Larue | 89.4 | Russell | 83.9 |
| Green | 89.2 | Allen | 83.7 |
| Garrard | 87.9 | Lincoln | 83.2 |
| Pendleton | 87.8 | Marion | 82.7 * |
| Edmonson | 87.8 | Wayne | 80.9 |
| Morgan | 87.0 | Casey | 80.7 |
| Carroll | 86.6 | Adair | 78.4 |
| Bath | 86.3 | POPULATION CATEGORY 25,000-50,000 | |
| Spencer | 85.9 | Henderson | 94.4 * |
| Butler | 85.8 | Oldham | 94.1 |
| Powell | 85.4 | Hopkins | 93.8 |
| Magoffin | 85.0 | Clark | 92.9 |
| Owen | 84.1 * | Scott | 91.9 |
| Martin | 84.1 | Boyle | 91.8 * |
| Washington | 83.4 | Nelson | 91.4 |
| Jackson | 83.2 | Jessamine | 91.3 |
| Leslie | 82.5 | Boyd | 91.3 * |
| Fleming | 81.6 | Graves | 91.3 |
| Todd | 80.7 | Greenup | 90.8 |
| Lewis | 79.3 | Shelby | 90.8 |
| Monroe | 79.0 | Franklin | 90.6 * |
| Metcalfe | 77.0 | Perry | 90.0 |
| | | Marshall | 89.7 |
| | | Whitley | 89.4 |
| | | Meade | 88.9 |
| | | Floyd | 88.8 |
| | | Calloway | 88.7 * |
| | | Harlan | 88.5 |
| | | Bell | 87.6 |
| | | Knox | 87.5 * |
| | | Muhlenberg | 86.8 |
| | | Letcher | 86.7 * |
| | | Carter | 85.8 |
| | | Barren | 85.5 |
| | | Logan | 85.4 |
| | | POPULATION CATEGORY OVER 50,000 | |
| | | Fayette | 95.3 |
| | | Hardin | 94.1 |
| | | McCracken | 93.6 |
| | | Jefferson | 93.5 * |
| | | Boone | 93.3 |
| | | Christian | 92.3 |
| | | Daviess | 92.2 |
| | | Campbell | 92.2 |
| | | Laurel | 92.2 |
| | | Kenton | 92.2 |
| | | Warren | 91.8 * |
| | | Bullitt | 90.9 |
| | | Pulaski | 90.9 * |
| | | Madison | 90.4 |
| | | Pike | 89.4 |

* Counties with potential for intensive promotional campaigns. Selected based on safety belt usage, crash rates, location in state (one in each KSP post) and dates of past campaign recommendations.

TABLE 30. CHANGE IN SAFETY BELT USAGE FOR 1997-2001 (PASSENGER CAR DRIVERS INVOLVED IN CRASHES) BY POPULATION CATEGORY

| YEAR | PERCENT USAGE | | | | | | ALL |
|------|---------------------|--------------------|--------------------|--------------------|-----------------|------|-----|
| | POPULATION CATEGORY | | | | | | |
| | UNDER 10,000- | 10,000- 14,999- | 15,000- 24,999- | 25,000- 50,000- | OVER 50,000- | | |
| 1997 | 82.8 | 84.5 | 86.9 | 89.2 | 92.3 | 90.2 | |
| 1998 | 83.7 | 85.3 | 87.0 | 89.9 | 92.7 | 90.6 | |
| 1999 | 83.9 | 85.5 | 87.3 | 90.7 | 93.4 | 91.3 | |
| 2000 | 88.6 | 88.2 | 88.8 | 91.7 | 93.8 | 92.3 | |
| 2001 | 88.7 | 88.3 | 89.1 | 92.4 | 94.6 | 92.9 | |
| All | 85.2 | 86.1 | 87.7 | 90.7 | 93.2 | 91.3 | |

TABLE 31. CRASH SEVERITY VERSUS SAFETY BELT USAGE (ALL DRIVERS)*

| TYPE OF INJURY | NOT WEARING SAFETY BELT | | WEARING SAFETY BELT | | PERCENT REDUCTION |
|-------------------------|----------------------------|---------|------------------------|---------|----------------------|
| | NUMBER | PERCENT | NUMBER | PERCENT | |
| Fatal | 1,664 | 1.70 | 762 | 0.08 | 95 |
| Incapacitating | 8,495 | 8.69 | 16,373 | 1.70 | 80 |
| Non-Incapacitating | 14,418 | 14.75 | 45,565 | 4.72 | 68 |
| Possible Injury | 11,063 | 11.32 | 69,283 | 7.18 | 37 |
| Fatal or Incapacitating | 10,159 | 10.39 | 17,135 | 1.78 | 83 |

* Based on 1997 through 2001 crash data. Total sample size for not wearing a safety belt was 977,65 compared to 965,062 for wearing a safety belt.

TABLE 32. CHANGE IN SEVERITY OF INJURIES BY YEAR (1997-2001)

| Type of Injury | PERCENTAGE OF DRIVERS SUSTAINING A GIVEN INJURY | | | | |
|--------------------|---|-------|-------|-------|-------|
| | 1997 | 1998 | 1999 | 2000 | 2001 |
| | NOT WEARING SAFETY BELT | | | | |
| Fatal | 1.62 | 1.74 | 1.77 | 2.18 | 2.39 |
| Incapacitating | 8.19 | 8.54 | 8.95 | 7.61 | 9.89 |
| Non-Incapacitating | 14.42 | 14.45 | 14.26 | 13.63 | 17.13 |
| Possible Injury | 10.84 | 11.80 | 11.77 | 9.04 | 12.40 |
| | WEARING SAFETY BELT | | | | |
| Fatal | 0.07 | 0.09 | 0.08 | 0.09 | 0.08 |
| Incapacitating | 1.69 | 1.67 | 1.64 | 1.33 | 1.50 |
| Non-Incapacitating | 4.65 | 4.62 | 4.64 | 3.90 | 4.93 |
| Possible Injury | 7.29 | 7.40 | 7.31 | 5.22 | 6.66 |

TABLE 33. POTENTIAL REDUCTION IN TRAFFIC CRASH FATALITIES AND CRASH SAVINGS FROM INCREASE IN DRIVER SAFETY BELT USAGE*

| DRIVER USAGE RATE (PERCENT) | POTENTIAL ANNUAL REDUCTION IN NUMBER OF | | ANNUAL CRASH SAVINGS (MILLION \$) FROM REDUCTION IN | | |
|-----------------------------|---|--------------------|---|------------------|-------|
| | FATALITIES | SERIOUS INJURIES** | FATALITIES | SERIOUS INJURIES | TOTAL |
| 70 | 123 | 891 | 123.0 | 42.7 | 165.7 |
| 80 | 226 | 1,633 | 226.0 | 78.2 | 304.2 |
| 90 | 329 | 2,375 | 329.0 | 113.8 | 442.8 |

* Based on increase from the 58 percent usage rate determined from the 1997-2001 surveys, the percent reductions in Table 31, and the economic costs provided by the National Safety Council. These costs are \$ 1,000,000 for a fatality and \$47,900 for an incapacitating injury. The actual number of fatalities and incapacitation injuries for 1997 - 2001 were used along with the average usage rate over this time period. The usage rate reached 62 percent in 2001.

** Serious injuries were defined as those listed as incapacitating on the crash report.

TABLE 34. USAGE AND EFFECTIVENESS OF CHILD SAFETY SEATS
(CHILDREN AGE THREE AND UNDER) (1997-2001)

| VARIABLE | CATEGORY | RESTRAINT USED | | | |
|---|--------------------|----------------|-------------|------------|---------------|
| | | NONE | SAFETY BELT | CHILD SEAT | ANY RESTRAINT |
| Number With Given Injury | Fatal | 20 | 5 | 18 | 23 |
| | Incapacitating | 134 | 210 | 155 | 365 |
| | Non-Incapacitating | 310 | 468 | 763 | 1231 |
| | Possible Injury | 354 | 1176 | 1468 | 2644 |
| | None Detected | 1217 | 11489 | 19066 | 30555 |
| Percent With Given Injury | Fatal | 0.98 | 0.04 | 0.08 | 0.07 |
| | Incapacitating | 6.58 | 1.57 | 0.72 | 1.05 |
| | Non-Incapacitating | 15.23 | 3.51 | 3.55 | 3.54 |
| | Possible Injury | 17.40 | 8.81 | 6.84 | 7.59 |
| | None Detected | 59.80 | 86.07 | 88.80 | 87.76 |
| Percent Usage By Seat Position | Front | 10.98 | 60.03 | 28.99 | 89.02 |
| | Rear | 2.98 | 25.13 | 71.89 | 97.02 |
| | All Positions | 5.52 | 36.22 | 58.26 | 94.48 |
| Percent With Given Injury By Seat Position (Front) | Fatal | 0.86 | 0.00 | 0.21 | 0.07 |
| | Incapacitating | 7.31 | 1.99 | 1.09 | 1.70 |
| | Non-Incapacitating | 15.63 | 4.81 | 4.12 | 4.59 |
| | Possible Injury | 18.51 | 10.70 | 7.78 | 9.75 |
| | None Detected | 57.70 | 82.50 | 86.80 | 83.90 |
| (Rear) | Fatal | 1.20 | 0.08 | 0.06 | 0.07 |
| | Incapacitating | 5.34 | 1.11 | 0.65 | 0.77 |
| | Non-Incapacitating | 14.55 | 2.06 | 3.45 | 3.09 |
| | Possible Injury | 15.49 | 6.71 | 6.66 | 6.67 |
| | None Detected | 63.42 | 90.04 | 89.18 | 89.40 |
| YEAR | 1997 | 593 | 3327 | 4379 | 7706 |
| | 1998 | 584 | 3713 | 4937 | 8650 |
| | 1999 | 546 | 3664 | 5288 | 8952 |
| | 2000 | 189 | 1366 | 3214 | 4580 |
| | 2001 | 123 | 1278 | 3652 | 4930 |

TABLE 35. PERCENTAGE OF CRASHES INVOLVING UNSAFE SPEED BY COUNTY AND POPULATION CATEGORY (IN ORDER OF DECREASING PERCENTAGES) (1997-2001)

| COUNTY | NUMBER OF CRASHES | PERCENT OF TOTAL CRASHES | COUNTY | NUMBER OF CRASHES | PERCENT OF TOTAL CRASHES |
|--|-------------------|--------------------------|--|-------------------|--------------------------|
| POPULATION CATEGORY UNDER 10,000 | | | POPULATION CATEGORY 15,000-24,999 | | |
| Menifee | 98 | 17.8 | Lincoln | 340 | 16.4 |
| Lee | 76 | 13.5 | Henry | 305 | 15.2 |
| Gallatin | 141 | 13.1 | McCreary | 224 | 14.7 |
| Trimble | 128 | 12.5 | Estill | 234 | 12.6 |
| Lyon | 147 | 12.5 | Union | 274 | 12.2 |
| Elliott | 69 | 12.2 | Mercer | 347 | 11.5 |
| Wolfe | 106 | 10.6 | Casey | 139 | 11.3 |
| Owsley | 39 | 10.4 | Grant | 477 | 10.8 |
| Nicholas | 85 | 9.9 | Clay | 235 | 9.8 |
| McLean | 117 | 9.8 | Grayson | 251 | 9.5 |
| Robertson | 11 | 9.1 | Rowan | 407 | 9.4 |
| Hickman | 47 | 9.0 | Rockcastle | 216 | 9.4 |
| Livingston | 92 | 8.6 | Breathitt | 202 | 9.3 |
| Bracken | 107 | 8.1 | Woodford | 317 | 9.2 |
| Ballard | 85 | 8.0 | Bourbon | 291 | 8.8 |
| Carlisle | 23 | 7.7 | Hart | 185 | 8.8 |
| Crittenden | 81 | 7.1 | Ohio | 242 | 8.7 |
| Hancock | 52 | 6.2 | Marion | 210 | 8.5 |
| Clinton | 42 | 5.4 | Russell | 133 | 8.5 |
| Cumberland | 24 | 5.3 | Knott | 149 | 8.2 |
| Fulton | 45 | 4.5 | Johnson | 226 | 8.0 |
| POPULATION CATEGORY 10,000-14,999 | | | Anderson | 190 | 8.0 |
| Owen | 225 | 18.7 | Lawrence | 118 | 7.8 |
| Garrard | 347 | 17.2 | Allen | 138 | 6.7 |
| Morgan | 237 | 15.0 | Wayne | 151 | 6.7 |
| Jackson | 212 | 14.9 | Adair | 147 | 6.2 |
| Edmonson | 161 | 13.4 | Montgomery | 235 | 6.2 |
| Leslie | 173 | 12.9 | Mason | 233 | 6.1 |
| Spencer | 124 | 12.2 | Taylor | 225 | 6.1 |
| Todd | 132 | 10.9 | Simpson | 165 | 6.0 |
| Lewis | 162 | 10.7 | Harrison | 165 | 5.9 |
| Martin | 142 | 10.7 | Breckinridge | 57 | 3.8 |
| Bath | 157 | 10.3 | POPULATION CATEGORY 25,000-50,000 | | |
| Washington | 144 | 10.2 | Knox | 579 | 14.5 |
| Butler | 122 | 9.9 | Carter | 481 | 13.7 |
| Caldwell | 161 | 9.5 | Harlan | 468 | 12.6 |
| Magoffin | 120 | 9.5 | Whitley | 593 | 11.9 |
| Powell | 155 | 9.1 | Floyd | 563 | 10.6 |
| Webster | 173 | 9.1 | Greenup | 401 | 10.1 |
| Fleming | 114 | 8.2 | Oldham | 448 | 10.0 |
| Pendleton | 159 | 8.2 | Letcher | 272 | 9.4 |
| Carroll | 175 | 7.9 | Hopkins | 729 | 9.0 |
| Larue | 115 | 6.8 | Franklin | 729 | 8.9 |
| Metcalfe | 68 | 6.3 | Marshall | 341 | 8.7 |
| Trigg | 87 | 5.6 | Muhlenberg | 406 | 8.6 |
| Monroe | 49 | 5.3 | Jessamine | 521 | 8.2 |
| Green | 50 | 3.8 | Nelson | 463 | 8.1 |
| | | | Graves | 376 | 7.8 |
| | | | Scott | 488 | 7.5 |
| | | | Bell | 244 | 7.2 |
| | | | Shelby | 396 | 7.1 |
| | | | Barren | 453 | 6.9 |
| | | | Henderson | 620 | 6.5 |
| | | | Perry | 327 | 6.4 |
| | | | Boyle | 294 | 6.3 |
| | | | Calloway | 239 | 6.1 |
| | | | Meade | 156 | 6.1 |
| | | | Clark | 359 | 6.0 |
| | | | Logan | 201 | 5.9 |
| | | | Boyd | 578 | 5.9 |
| | | | POPULATION CATEGORY OVER 50,000 | | |
| | | | Pike | 1,844 | 17.2 |
| | | | Madison | 1,476 | 11.3 |
| | | | Christian | 916 | 9.4 |
| | | | Warren | 1,760 | 8.7 |
| | | | Kenton | 2,036 | 7.3 |
| | | | Boone | 1,205 | 7.1 |
| | | | Laurel | 600 | 7.1 |
| | | | Pulaski | 628 | 7.1 |
| | | | Hardin | 847 | 6.3 |
| | | | Campbell | 780 | 5.7 |
| | | | Daviess | 889 | 5.2 |
| | | | Fayette | 3,291 | 5.2 |
| | | | Bullitt | 296 | 4.6 |
| | | | McCracken | 614 | 4.5 |
| | | | Jefferson | 4,819 | 3.5 |

TABLE 36. PERCENTAGE OF CRASHES INVOLVING UNSAFE SPEED BY CITY AND POPULATION CATEGORY (IN ORDER OF DECREASING PERCENTAGES)(1997-2001)

| CITY | NUMBER OF CRASHES (1997-2001) | PERCENT OF TOTAL CRASHES | CITY | NUMBER OF CRASHES (1997-2001) | PERCENT OF TOTAL CRASHES |
|-----------------------------------|-------------------------------|--------------------------|---------------------------------|-------------------------------|--------------------------|
| POPULATION CATEGORY OVER 200,000 | | | POPULATION CATEGORY 2,500-4,999 | | |
| Lexington | 2,569 | 5.2 | Park Hills | 32 | 18.1 |
| Louisville | 1,717 | 2.7 | Williamstown | 47 | 8.6 |
| POPULATION CATEGORY 20,000-55,000 | | | Morganfield | 45 | 7.9 |
| Hopkinsville | 421 | 8.3 | Stanford | 24 | 7.3 |
| Bowling Green | 785 | 6.5 | Calvert City | 18 | 7.1 |
| Frankfort | 259 | 6.0 | Vine Grove | 19 | 6.7 |
| Richmond | 297 | 5.6 | Barbourville | 45 | 6.4 |
| Covington | 417 | 4.7 | Irvine | 34 | 6.3 |
| Florence | 313 | 4.4 | Greenville | 43 | 6.1 |
| Ashland | 200 | 4.2 | Cold Spring | 48 | 6.0 |
| Henderson | 232 | 4.2 | Dawson Springs | 14 | 5.8 |
| Elizabethtown | 210 | 4.1 | Lancaster | 32 | 5.7 |
| Paducah | 264 | 3.7 | Hartford | 8 | 5.7 |
| Jeffersonton | 140 | 3.6 | Providence | 16 | 5.6 |
| Owensboro | 292 | 2.9 | Lakeside Park | 19 | 5.3 |
| Radcliff | 46 | 2.0 | Mount Vernon | 31 | 5.2 |
| POPULATION CATEGORY 10,000-19,999 | | | Cumberland | 12 | 5.2 |
| Erlanger | 344 | 10.6 | Springfield | 21 | 4.5 |
| Fort Thomas | 73 | 7.2 | Stanton | 17 | 4.5 |
| Independence | 93 | 6.5 | Scottsville | 37 | 4.3 |
| Somerset | 198 | 5.8 | Hodgenville | 25 | 4.2 |
| Campbellsville | 96 | 4.8 | Benton | 30 | 4.2 |
| Nicholasville | 131 | 4.7 | Russell | 27 | 4.1 |
| Danville | 127 | 4.3 | Grayson | 35 | 4.0 |
| Middlesboro | 56 | 4.0 | Prestonsburg | 41 | 4.0 |
| Murray | 54 | 4.0 | Columbia | 32 | 3.9 |
| Madisonville | 143 | 3.9 | Marion | 14 | 3.6 |
| Shelbyville | 69 | 3.7 | Beaver Dam | 16 | 3.4 |
| Shively | 125 | 3.3 | Hazard | 58 | 3.2 |
| Glasgow | 85 | 3.1 | Carrollton | 22 | 3.1 |
| Georgetown | 86 | 3.1 | Flemingsburg | 10 | 2.9 |
| Newport | 107 | 3.0 | Ludlow | 7 | 2.9 |
| Bardstown | 62 | 2.8 | Paintsville | 26 | 2.8 |
| Winchester | 80 | 2.5 | Fulton | 9 | 2.4 |
| Mayfield | 34 | 1.9 | Tompkinsville | 12 | 2.4 |
| Saint Matthews | 46 | 1.8 | Hickman | 3 | 2.4 |
| POPULATION CATEGORY 5,000-9,999 | | | | | |
| Villa Hills | 33 | 11.4 | | | |
| Taylor Mill | 90 | 9.3 | | | |
| Highland Heights | 58 | 8.1 | | | |
| Pikeville | 135 | 7.9 | | | |
| Wilmore | 14 | 7.5 | | | |
| Fort Mitchell | 88 | 7.3 | | | |
| Elsmere | 43 | 7.1 | | | |
| Monticello | 84 | 6.6 | | | |
| Princeton | 50 | 6.1 | | | |
| Williamsburg | 46 | 6.0 | | | |
| Fort Wright | 99 | 5.9 | | | |
| Versailles | 62 | 5.1 | | | |
| Russellville | 68 | 5.0 | | | |
| Dayton | 20 | 4.8 | | | |
| Berea | 64 | 4.6 | | | |
| Corbin | 89 | 4.6 | | | |
| Paris | 67 | 4.5 | | | |
| Alexandria | 44 | 4.4 | | | |
| Maysville | 92 | 4.4 | | | |
| Flatwoods | 23 | 4.3 | | | |
| Central City | 34 | 4.3 | | | |
| Lebanon | 43 | 4.2 | | | |
| Leitchfield | 23 | 4.2 | | | |
| London | 109 | 4.2 | | | |
| Edgewood | 30 | 4.1 | | | |
| Harrodsburg | 56 | 4.0 | | | |
| La Grange | 30 | 3.8 | | | |
| Morehead | 65 | 3.6 | | | |
| Mount Sterling | 47 | 3.3 | | | |
| Mount Washington | 22 | 2.9 | | | |
| Bellevue | 26 | 2.8 | | | |
| Franklin | 31 | 2.8 | | | |
| Shepherdsville | 40 | 2.7 | | | |
| Cynthiana | 26 | 2.3 | | | |
| Lawrenceburg | 15 | 2.0 | | | |

TABLE 37. SUMMARY OF SPEEDING CONVICTIONS BY COUNTY (1997-2001)

| COUNTY | | | | | | TOTAL | ANNUAL AVERAGE | SPEEDING |
|--------------|-------|--------|--------|-------|-------|---|---|---|
| | 1997 | 1998 | 1999 | 2000 | 2001 | SPEEDING CONVICTIONS (FIVE YEARS) | SPEEDING CONVICTIONS PER 1,000 LICENSED DRIVERS | CONVICTIONS PER SPEED- RELATED CRASH |
| Adair | 269 | 381 | 372 | 361 | 211 | 1,594 | 28.7 | 10.8 |
| Allen | 284 | 291 | 240 | 174 | 175 | 1,164 | 19.8 | 8.4 |
| Anderson | 1,505 | 1,608 | 1,409 | 1,382 | 1,210 | 7,114 | 104.7 | 37.4 |
| Ballard | 171 | 176 | 147 | 166 | 206 | 866 | 28.4 | 10.2 |
| Barren | 717 | 783 | 882 | 1,222 | 1,415 | 5,019 | 38.3 | 11.1 |
| Bath | 283 | 239 | 266 | 527 | 316 | 1,631 | 43.6 | 10.4 |
| Bell | 357 | 398 | 111 | 231 | 873 | 1,970 | 23.0 | 8.1 |
| Boone | 2,325 | 2,920 | 2,106 | 2,231 | 1,603 | 11,185 | 36.7 | 9.3 |
| Bourbon | 324 | 729 | 730 | 637 | 910 | 3,330 | 48.6 | 11.4 |
| Boyd | 1,487 | 1,525 | 1,573 | 1,344 | 1,661 | 7,590 | 44.2 | 13.1 |
| Boyle | 695 | 881 | 881 | 547 | 577 | 3,581 | 38.3 | 12.2 |
| Bracken | 396 | 478 | 260 | 174 | 261 | 1,569 | 53.8 | 14.7 |
| Breathitt | 153 | 96 | 81 | 106 | 192 | 628 | 13.4 | 3.1 |
| Breckinridge | 137 | 150 | 188 | 156 | 162 | 793 | 12.2 | 13.9 |
| Bullitt | 1,224 | 812 | 1,404 | 1,465 | 1,085 | 5,990 | 26.6 | 20.2 |
| Butler | 661 | 723 | 627 | 411 | 335 | 2,757 | 63.0 | 22.6 |
| Caldwell | 533 | 359 | 418 | 293 | 405 | 2,008 | 42.2 | 12.5 |
| Calloway | 302 | 431 | 518 | 628 | 636 | 2,515 | 21.9 | 10.5 |
| Campbell | 2,353 | 2,480 | 2,274 | 2,683 | 3,155 | 12,945 | 43.4 | 16.6 |
| Carlisle | 145 | 188 | 154 | 167 | 243 | 897 | 45.3 | 39.0 |
| Carroll | 628 | 572 | 570 | 614 | 587 | 2,971 | 85.7 | 17.0 |
| Carter | 495 | 587 | 960 | 1,361 | 801 | 4,204 | 47.8 | 8.7 |
| Casey | 168 | 207 | 143 | 142 | 127 | 787 | 15.8 | 5.7 |
| Christian | 910 | 671 | 754 | 965 | 987 | 4,287 | 24.7 | 4.7 |
| Clark | 431 | 527 | 554 | 647 | 867 | 3,026 | 26.1 | 8.4 |
| Clay | 243 | 757 | 660 | 200 | 410 | 2,270 | 34.7 | 9.7 |
| Clinton | 114 | 72 | 129 | 128 | 121 | 564 | 17.0 | 13.4 |
| Crittenden | 41 | 53 | 52 | 64 | 51 | 261 | 7.9 | 3.2 |
| Cumberland | 115 | 88 | 149 | 120 | 153 | 625 | 25.9 | 26.0 |
| Daviess | 2,255 | 2,522 | 2,800 | 2,391 | 1,964 | 11,932 | 37.1 | 13.4 |
| Edmonson | 136 | 74 | 38 | 70 | 84 | 402 | 9.8 | 2.5 |
| Elliott | 6 | 4 | 5 | 10 | 12 | 37 | 1.7 | 0.5 |
| Estill | 190 | 136 | 203 | 195 | 179 | 903 | 17.8 | 3.9 |
| Fayette | 9,309 | 9,682 | 9,516 | 7,807 | 6,599 | 42,913 | 49.2 | 13.0 |
| Fleming | 221 | 203 | 295 | 210 | 149 | 1,078 | 22.6 | 9.5 |
| Floyd | 291 | 475 | 334 | 153 | 182 | 1,435 | 10.5 | 2.5 |
| Franklin | 2,292 | 1,683 | 2,354 | 2,035 | 1,673 | 10,037 | 59.8 | 13.8 |
| Fulton | 68 | 157 | 197 | 166 | 148 | 736 | 30.6 | 16.4 |
| Gallatin | 571 | 365 | 654 | 494 | 528 | 2,612 | 98.1 | 18.5 |
| Garrard | 230 | 133 | 171 | 359 | 262 | 1,155 | 22.9 | 3.3 |
| Grant | 771 | 1,024 | 974 | 768 | 1,037 | 4,574 | 59.1 | 9.6 |
| Graves | 878 | 592 | 823 | 800 | 872 | 3,965 | 31.0 | 10.5 |
| Grayson | 328 | 714 | 576 | 349 | 554 | 2,521 | 29.9 | 10.0 |
| Green | 86 | 67 | 90 | 180 | 27 | 450 | 11.6 | 9.0 |
| Greenup | 563 | 464 | 597 | 259 | 544 | 2,427 | 18.5 | 6.1 |
| Hancock | 140 | 344 | 241 | 127 | 125 | 977 | 31.6 | 18.8 |
| Hardin | 4,647 | 4,593 | 4,805 | 4,008 | 4,312 | 22,365 | 73.6 | 26.4 |
| Harlan | 129 | 109 | 167 | 90 | 144 | 639 | 6.1 | 1.4 |
| Harrison | 246 | 366 | 408 | 407 | 302 | 1,729 | 27.6 | 10.5 |
| Hart | 317 | 355 | 343 | 231 | 215 | 1,461 | 25.7 | 7.9 |
| Henderson | 1,171 | 1,489 | 1,523 | 1,300 | 1,724 | 7,207 | 45.0 | 11.6 |
| Henry | 1,173 | 1,103 | 765 | 747 | 624 | 4,412 | 83.3 | 14.5 |
| Hickman | 180 | 249 | 167 | 184 | 148 | 928 | 49.1 | 19.7 |
| Hopkins | 641 | 1,231 | 1,633 | 1,632 | 1,623 | 6,760 | 41.6 | 9.3 |
| Jackson | 23 | 14 | 34 | 125 | 32 | 228 | 5.3 | 1.1 |
| Jefferson | 9,602 | 14,161 | 15,152 | 9,743 | 6,600 | 55,258 | 23.5 | 14.5 |
| Jessamine | 1,063 | 2,071 | 2,200 | 1,983 | 1,174 | 8,491 | 64.6 | 16.3 |
| Johnson | 133 | 176 | 234 | 139 | 101 | 783 | 9.9 | 3.5 |
| Kenton | 3,777 | 3,450 | 4,442 | 4,422 | 5,608 | 21,699 | 42.5 | 10.7 |
| Knott | 41 | 17 | 149 | 48 | 29 | 284 | 5.3 | 1.9 |
| Knox | 566 | 531 | 902 | 736 | 676 | 3,411 | 34.7 | 5.9 |
| Larue | 154 | 238 | 244 | 202 | 309 | 1,147 | 24.2 | 10.0 |
| Laurel | 1,524 | 1,549 | 1,402 | 2,129 | 926 | 7,530 | 43.0 | 12.6 |
| Lawrence | 400 | 504 | 400 | 439 | 318 | 2,061 | 40.1 | 17.5 |

TABLE 37. SUMMARY OF SPEEDING CONVICTIONS BY COUNTY (1997-2001)(continued)

| COUNTY | TOTAL SPEEDING CONVICTIONS (FIVE YEARS) | | | | | ANNUAL AVERAGE SPEEDING CONVICTIONS PER 1,000 LICENSED DRIVERS | SPEEDING CONVICTIONS PER SPEED-RELATED CRASH | |
|------------|---|--------|---------|--------|--------|--|--|------|
| | 1997 | 1998 | 1999 | 2000 | 2001 | | | |
| Lee | 20 | 32 | 36 | 29 | 66 | 183 | 7.5 | 2.4 |
| Leslie | 322 | 451 | 367 | 276 | 336 | 1,752 | 42.9 | 10.1 |
| Letcher | 146 | 72 | 106 | 98 | 82 | 504 | 6.0 | 1.9 |
| Lewis | 379 | 356 | 308 | 254 | 178 | 1,475 | 32.2 | 9.1 |
| Lincoln | 331 | 541 | 609 | 428 | 243 | 2,152 | 27.8 | 6.3 |
| Livingston | 344 | 358 | 515 | 424 | 348 | 1,989 | 55.1 | 21.6 |
| Logan | 767 | 575 | 542 | 569 | 396 | 2,849 | 31.3 | 14.2 |
| Lyon | 601 | 632 | 428 | 420 | 380 | 2,461 | 91.2 | 16.7 |
| McCracken | 1,614 | 1,934 | 1,624 | 1,699 | 1,467 | 8,338 | 34.4 | 13.6 |
| McCreary | 212 | 195 | 178 | 192 | 128 | 905 | 17.2 | 4.0 |
| McLean | 292 | 162 | 85 | 143 | 331 | 1,013 | 28.1 | 8.7 |
| Madison | 1,242 | 1,471 | 2,012 | 1,322 | 1,199 | 7,246 | 31.6 | 4.9 |
| Magoffin | 74 | 39 | 20 | 8 | 13 | 154 | 3.6 | 1.3 |
| Marion | 328 | 271 | 340 | 287 | 162 | 1,388 | 23.5 | 6.6 |
| Marshall | 962 | 929 | 894 | 779 | 733 | 4,297 | 37.4 | 12.6 |
| Martin | 25 | 22 | 29 | 10 | 12 | 98 | 2.4 | 0.7 |
| Mason | 615 | 496 | 576 | 346 | 433 | 2,466 | 42.2 | 10.6 |
| Meade | 464 | 376 | 412 | 364 | 447 | 2,063 | 24.8 | 13.2 |
| Menifee | 6 | 24 | 22 | 34 | 45 | 131 | 6.2 | 1.3 |
| Mercer | 546 | 436 | 537 | 271 | 220 | 2,010 | 26.6 | 5.8 |
| Metcalfe | 271 | 250 | 275 | 310 | 251 | 1,357 | 40.0 | 20.0 |
| Monroe | 18 | 31 | 32 | 29 | 22 | 132 | 3.3 | 2.7 |
| Montgomery | 194 | 333 | 453 | 559 | 298 | 1,837 | 23.5 | 7.8 |
| Morgan | 277 | 366 | 202 | 229 | 258 | 1,332 | 33.3 | 5.6 |
| Muhlenberg | 519 | 469 | 466 | 442 | 400 | 2,296 | 20.9 | 5.7 |
| Nelson | 608 | 678 | 1,020 | 1,124 | 773 | 4,203 | 31.4 | 9.1 |
| Nicholas | 92 | 108 | 226 | 187 | 150 | 763 | 29.7 | 9.0 |
| Ohio | 654 | 305 | 460 | 356 | 856 | 2,631 | 33.0 | 10.9 |
| Oldham | 838 | 970 | 834 | 1,050 | 1,647 | 5,339 | 33.4 | 11.9 |
| Owen | 67 | 76 | 118 | 107 | 174 | 542 | 15.4 | 2.4 |
| Owsley | 0 | 3 | 25 | 23 | 1 | 52 | 3.1 | 1.3 |
| Pendleton | 497 | 339 | 267 | 177 | 265 | 1,545 | 30.8 | 9.7 |
| Perry | 886 | 417 | 266 | 126 | 173 | 1,868 | 18.7 | 5.7 |
| Pike | 185 | 272 | 292 | 253 | 164 | 1,166 | 5.1 | 0.6 |
| Powell | 280 | 427 | 446 | 333 | 483 | 1,969 | 43.9 | 12.7 |
| Pulaski | 1,018 | 1,051 | 942 | 747 | 691 | 4,449 | 22.1 | 7.1 |
| Robertson | 15 | 18 | 10 | 7 | 9 | 59 | 7.6 | 5.4 |
| Rockcastle | 349 | 602 | 578 | 538 | 367 | 2,434 | 45.3 | 11.3 |
| Rowan | 680 | 643 | 604 | 944 | 683 | 3,554 | 53.2 | 8.7 |
| Russell | 98 | 113 | 73 | 104 | 77 | 465 | 8.0 | 3.5 |
| Scott | 1,651 | 1,710 | 1,505 | 1,471 | 1,344 | 7,681 | 66.7 | 15.7 |
| Shelby | 1,304 | 1,246 | 1,570 | 1,290 | 1,086 | 6,496 | 58.8 | 16.4 |
| Simpson | 362 | 333 | 231 | 143 | 177 | 1,246 | 21.8 | 7.6 |
| Spencer | 230 | 190 | 311 | 179 | 201 | 1,111 | 26.1 | 9.0 |
| Taylor | 505 | 418 | 414 | 449 | 392 | 2,178 | 27.4 | 9.7 |
| Todd | 212 | 116 | 152 | 191 | 206 | 877 | 22.5 | 6.6 |
| Trigg | 323 | 316 | 271 | 250 | 232 | 1,392 | 30.4 | 16.0 |
| Trimble | 64 | 59 | 17 | 48 | 62 | 250 | 8.6 | 2.0 |
| Union | 365 | 254 | 162 | 193 | 181 | 1,155 | 21.4 | 4.2 |
| Warren | 2,047 | 2,391 | 2,165 | 1,888 | 2,404 | 10,895 | 36.4 | 6.2 |
| Washington | 774 | 456 | 467 | 401 | 300 | 2,398 | 62.4 | 16.7 |
| Wayne | 62 | 55 | 83 | 40 | 42 | 282 | 4.5 | 1.9 |
| Webster | 130 | 116 | 273 | 249 | 194 | 962 | 19.6 | 5.6 |
| Whitley | 295 | 318 | 677 | 675 | 309 | 2,274 | 20.7 | 3.8 |
| Wolfe | 862 | 1,703 | 1,621 | 1,045 | 1,785 | 7,016 | 290.3 | 66.2 |
| Woodford | 1,712 | 1,898 | 2,528 | 2,075 | 1,546 | 9,759 | 114.9 | 30.8 |
| TOTAL* | 89,322 | 98,449 | 103,126 | 90,269 | 84,961 | 466,127 | 34.2 | 10.3 |

* Does not include speeding convictions where county was not specified.

TABLE 38. SPEEDING CONVICTION RATES IN DECREASING ORDER (BY COUNTY POPULATION CATEGORIES) (1997-2001)

| POPULATION CATEGORY | COUNTY | ANNUAL AVERAGE SPEEDING CONVICTIONS PER 1,000 LICENSED DRIVERS | | COUNTY | SPEEDING CONVICTIONS PER SPEED- RELATED CRASH |
|------------------------|------------|---|----------|--------------|---|
| | | | | | |
| UNDER 10,000 | Wolfe | 290.3 | | Wolfe | 66.2 |
| | Gallatin | 98.1 | | Carlisle | 39.0 |
| | Lyon | 91.2 | | Cumberland | 26.0 |
| | Livingston | 55.1 | | Livingston | 21.6 |
| | Bracken | 53.8 | | Hickman | 19.7 |
| | Hickman | 49.1 | | Hancock | 18.8 |
| | Carlisle | 45.3 | | Gallatin | 18.5 |
| | Hancock | 31.6 | | Lyon | 16.7 |
| | Fulton | 30.6 | | Fulton | 16.4 |
| | Nicholas | 29.7 | | Bracken | 14.7 |
| | Ballard | 28.4 | | Clinton | 13.4 |
| | McLean | 28.1 | | Ballard | 10.2 |
| | Cumberland | 25.9 | | Nicholas | 9.0 |
| | Clinton | 17.0 | | McLean | 8.7 |
| | Trimble | 8.6 | | Robertson | 5.4 |
| | Crittenden | 7.9 | | Crittenden | 3.2 |
| | Robertson | 7.6 | | Lee | 2.4 |
| | Lee | 7.5 | | Trimble | 2.0 |
| | Menifee | 6.2 | | Menifee | 1.3 |
| | Owsley | 3.1 | | Owsley | 1.3 |
| Elliott | 1.7 | | Elliott | 0.5 | |
| 10,000-14,999 | Carroll | 85.7 | | Butler | 22.6 |
| | Butler | 63.0 | | Metcalfe | 20.0 |
| | Washington | 62.4 | | Carroll | 17.0 |
| | Powell | 43.9 | | Washington | 16.7 |
| | Bath | 43.6 | | Trigg | 16.0 |
| | Leslie | 42.9 | | Powell | 12.7 |
| | Caldwell | 42.2 | | Caldwell | 12.5 |
| | Metcalfe | 40.0 | | Bath | 10.4 |
| | Morgan | 33.3 | | Leslie | 10.1 |
| | Lewis | 32.2 | | Larue | 10.0 |
| | Pendleton | 30.8 | | Pendleton | 9.7 |
| | Trigg | 30.4 | | Fleming | 9.5 |
| | Spencer | 26.1 | | Lewis | 9.1 |
| | Larue | 24.2 | | Green | 9.0 |
| | Garrard | 22.9 | | Spencer | 9.0 |
| | Fleming | 22.6 | | Todd | 6.6 |
| | Todd | 22.5 | | Morgan | 5.6 |
| | Webster | 19.6 | | Webster | 5.6 |
| | Owen | 15.4 | | Garrard | 3.3 |
| | Green | 11.6 | | Monroe | 2.7 |
| Edmonson | 9.8 | | Edmonson | 2.5 | |
| Jackson | 5.3 | | Owen | 2.4 | |
| Magoffin | 3.6 | | Magoffin | 1.3 | |
| Monroe | 3.3 | | Jackson | 1.1 | |
| Martin | 2.4 | | Martin | 0.7 | |
| 15,000 - 24,999 | Woodford | 114.9 | | Anderson | 33.3 |
| | Anderson | 104.7 | | Woodford | 29.1 |
| | Henry | 83.3 | | Lawrence | 16.9 |
| | Grant | 59.1 | | Henry | 15.6 |
| | Rowan | 53.2 | | Adair | 12.4 |
| | Bourbon | 48.6 | | Harrison | 11.6 |
| | Rockcastle | 45.3 | | Taylor | 11.1 |
| | Mason | 42.2 | | Rockcastle | 10.4 |
| | Lawrence | 40.1 | | Breckinridge | 10.0 |
| | Clay | 34.7 | | Clay | 9.9 |
| | Ohio | 33.0 | | Ohio | 9.8 |
| | Grayson | 29.9 | | Mason | 9.8 |
| | Adair | 28.7 | | Grayson | 9.7 |

TABLE 38. SPEEDING CONVICTION RATES IN DECREASING ORDER (BY COUNTY POPULATION CATEGORIES) (1997-2001) (continued)

| POPULATION CATEGORY | COUNTY | ANNUAL AVERAGE SPEEDING CONVICTIONS PER 1,000 LICENSED DRIVERS | | COUNTY | SPEEDING CONVICTIONS PER SPEED- RELATED CRASH |
|-----------------------------|--------------|---|--|------------|---|
| | | | | | |
| 15,000 - 24,999 (cont'd) | Lincoln | 27.8 | | Clay | 9.7 |
| | Harrison | 27.6 | | Grant | 9.6 |
| | Taylor | 27.4 | | Rowan | 8.7 |
| | Mercer | 26.6 | | Allen | 8.4 |
| | Hart | 25.7 | | Hart | 7.9 |
| | Marion | 23.5 | | Montgomery | 7.8 |
| | Montgomery | 23.5 | | Simpson | 7.6 |
| | Simpson | 21.8 | | Marion | 6.6 |
| | Union | 21.4 | | Lincoln | 6.3 |
| | Allen | 19.8 | | Mercer | 5.8 |
| | Estill | 17.8 | | Casey | 5.7 |
| | McCreary | 17.2 | | Union | 4.2 |
| | Casey | 15.8 | | McCreary | 4.0 |
| | Breathitt | 13.4 | | Estill | 3.9 |
| | Breckinridge | 12.2 | | Russell | 3.5 |
| | Johnson | 9.9 | | Johnson | 3.5 |
| | Russell | 8.0 | | Breathitt | 3.1 |
| | Knott | 5.3 | | Knott | 1.9 |
| | Wayne | 4.5 | | Wayne | 1.9 |
| 25,000 - 49,999 | Scott | 66.7 | | Shelby | 16.4 |
| | Jessamine | 64.6 | | Jessamine | 16.3 |
| | Franklin | 59.8 | | Scott | 15.7 |
| | Shelby | 58.8 | | Logan | 14.2 |
| | Carter | 47.8 | | Franklin | 13.8 |
| | Henderson | 45.0 | | Meade | 13.2 |
| | Boyd | 44.2 | | Boyd | 13.1 |
| | Hopkins | 41.6 | | Marshall | 12.6 |
| | Barren | 38.3 | | Boyle | 12.2 |
| | Boyle | 38.3 | | Oldham | 11.9 |
| | Marshall | 37.4 | | Henderson | 11.6 |
| | Knox | 34.7 | | Barren | 11.1 |
| | Oldham | 33.4 | | Graves | 10.5 |
| | Nelson | 31.4 | | Calloway | 10.5 |
| | Logan | 31.3 | | Hopkins | 9.3 |
| | Graves | 31.0 | | Nelson | 9.1 |
| | Clark | 26.1 | | Carter | 8.7 |
| | Meade | 24.8 | | Clark | 8.4 |
| | Bell | 23.0 | | Bell | 8.1 |
| | Calloway | 21.9 | | Greenup | 6.1 |
| | Muhlenberg | 20.9 | | Knox | 5.9 |
| | Whitley | 20.7 | | Perry | 5.7 |
| | Perry | 18.7 | | Muhlenberg | 5.7 |
| | Greenup | 18.5 | | Whitley | 3.8 |
| | Floyd | 10.5 | | Floyd | 2.5 |
| | Harlan | 6.1 | | Letcher | 1.9 |
| | Letcher | 6.0 | | Harlan | 1.4 |
| 50,000 - OVER | Hardin | 73.6 | | Hardin | 26.4 |
| | Fayette | 49.2 | | Bullitt | 20.2 |
| | Campbell | 43.4 | | Campbell | 16.6 |
| | Laurel | 43.0 | | Jefferson | 14.5 |
| | Kenton | 42.5 | | McCracken | 13.6 |
| | Daviess | 37.1 | | Daviess | 13.4 |
| | Boone | 36.7 | | Fayette | 13.0 |
| | Warren | 36.4 | | Laurel | 12.6 |
| | McCracken | 34.4 | | Kenton | 10.7 |
| | Madison | 31.6 | | Boone | 9.3 |
| | Bullitt | 26.6 | | Pulaski | 7.1 |
| | Christian | 24.7 | | Warren | 6.2 |
| | Jefferson | 23.5 | | Madison | 4.9 |
| | Pulaski | 22.1 | | Christian | 4.7 |
| | Pike | 5.1 | | Pike | 0.6 |

TABLE 39. MOVING SPEED DATA FOR VARIOUS HIGHWAY TYPES (CARS)

| HIGHWAY TYPE AND SPEED LIMIT | SAMPLE SIZE | SPEED (MPH) | | PERCENT OVER SPEED LIMIT |
|---|-------------|-------------|-----------------|--------------------------|
| | | AVERAGE | 85TH PERCENTILE | |
| Interstate 65 mph | 11,780 | 68.0 | 72.9 | 70.1 |
| Interstate 55 mph | 3,885 | 61.4 | 66.7 | 86.0 |
| Interstate 50 mph | 163 | 55.8 | 60.8 | 84.0 |
| Parkway Four Lane 65 mph | 10,642 | 68.4 | 73.6 | 70.5 |
| Parkway Two Lane 55 mph | 1,589 | 62.8 | 68.5 | 90.5 |
| Four Lane Non-Interstate or Parkway 55 mph | 11,052 | 59.3 | 64.5 | 76.8 |
| Two Lane Full Width Shoulder 55 mph | 4,081 | 58.7 | 64.2 | 71.3 |
| Two Lane Without Full Width Shoulder 55 mph | 5,385 | 55.9 | 61.6 | 54.2 |

TABLE 40. MOVING SPEED DATA FOR VARIOUS HIGHWAY TYPES (TRUCKS)

| HIGHWAY TYPE AND SPEED LIMIT | SAMPLE SIZE | SPEED (MPH) | | PERCENT OVER SPEED LIMIT |
|---|-------------|-------------|-----------------|--------------------------|
| | | AVERAGE | 85TH PERCENTILE | |
| Interstate 65 mph | 5,029 | 64.2 | 68.7 | 37.3 |
| Interstate 55 mph | 1,533 | 59.4 | 64.6 | 75.4 |
| Interstate 50 mph | 99 | 55.4 | 59.8 | 87.9 |
| Parkway Four Lane 65 mph | 3,067 | 64.9 | 69.7 | 45.4 |
| Parkway Two Lane 55 mph | 213 | 58.3 | 64.1 | 70.9 |
| Four Lane Non-Interstate or Parkway 55 mph | 1,918 | 56.7 | 61.9 | 60.8 |
| Two Lane Full Width Shoulder 55 mph | 595 | 56.5 | 62.1 | 58.5 |
| Two Lane Without Full Width Shoulder 55 mph | 673 | 53.6 | 59.7 | 41.2 |

TABLE 41. CRASH TREND ANALYSIS (1997 - 2001)

| Crash Statistic | Number in Given Year | | | | 4-Year Average 1997-2000 | 2001 | 2001 Percent Change* |
|---|-------------------------|---------|---------|---------|--------------------------------|---------|----------------------------|
| | 1997 | 1998 | 1999 | 2000 | | | |
| Total Crashes | 134,161 | 125,698 | 132,216 | 135,079 | 131,789 | 130,190 | -1.2 |
| Fatal Crashes | 782 | 776 | 729 | 724** | 762 | 759 | -5.0 |
| Fatalities | 865 | 869 | 819 | 823** | 851 | 843 | -3.3 |
| Injury Crashes | 36,516 | 34,395 | 36,125 | 34,732 | 35,442 | 32,878 | -7.2 |
| Injuries | 56,342 | 52,952 | 54,951 | 53,129 | 54,344 | 49,919 | -8.1 |
| Fatal and Injury Crashes | 37,298 | 35,171 | 36,854 | 35,456 | 36,195 | 33,637 | -7.1 |
| Licensed Drivers (Millions) | 2.57 | 2.63 | 2.67 | 2.75 | 2.66 | 2.80 | 5.5 |
| Registered Vehicles (Millions) | 3.01 | 3.20 | 3.15 | 3.29 | 3.16 | 3.30 | 4.3 |
| Total Vehicle Miles (Billions) | 44.863 | 46.577 | 47.816 | 46.680 | 46.484 | 46.255 | -0.5 |
| Total Crash/100 MVM | 299 | 270 | 277 | 289 | 284 | 281 | -0.8 |
| Fatal Crash/100 MVM | 1.74 | 1.67 | 1.52 | 1.55 | 1.62 | 1.57 | -3.4 |
| Fatalities/100 MVM | 1.93 | 1.87 | 1.71 | 1.76 | 1.82 | 1.78 | -2.1 |
| Injuries/100 MVM | 126 | 114 | 115 | 114 | 117 | 108 | -7.9 |
| Speed Related Crashes | 10,435 | 9,099 | 9,112 | 9,633 | 9,570 | 8,310 | -13.2 |
| Speed Related Injury Crashes | 4,488 | 4,030 | 3,990 | 3,682 | 4,048 | 3,122 | -22.9 |
| Speed Related Fatal Crashes | 230 | 190 | 201 | 154 | 194 | 154 | -20.5 |
| Speed Convictions | 89,572 | 98,662 | 103,696 | 90,863 | 95,698 | 85,565 | -10.6 |
| Alcohol Related Crashes | 6,070 | 5,222 | 5,441 | 6,127 | 5,715 | 5,853 | 2.4 |
| Alcohol Related Injury Crashes | 2,949 | 2,482 | 2,592 | 2,903 | 2,732 | 2,633 | -3.6 |
| Alcohol Related Fatal Crashes | 206 | 187 | 196 | 181 | 193 | 156 | -19.0 |
| Alcohol Related Fatalities | 234 | 205 | 222 | 196 | 214 | 172 | -19.7 |
| DUI Arrests | 40,567 | 42,100 | 43,254 | 49,470 | 43,848 | 48,892 | 11.5 |
| DUI Convictions | 32,106 | 32,837 | 31,263 | 31,243 | 31,862 | 30,583 | -4.0 |
| DUI Conviction Percentage | 79.1 | 78.0 | 72.3 | 63.2 | 72.7 | 62.6 | -13.9 |
| DUI Arrests/ Alcohol Related Fatalities | 173 | 205 | 195 | 252 | 206 | 284 | 38.5 |
| Drug Related Crashes | *** | *** | 756 | 990 | 873 | 1,206 | 38.1 |
| Drug Related Injury Crashes | 277 | 278 | 355 | 461 | 343 | 576 | 68.1 |
| Drug Related Fatal Crashes | *** | *** | 112 | 133 | 123 | 127 | 3.7 |
| Pedestrian Related Crashes | 1,190 | 1,077 | 1,117 | 1,124 | 1,127 | 977 | -13.3 |
| Pedestrian Related Injury Crashes | 1,057 | 966 | 1,011 | 907 | 985 | 842 | -14.5 |
| Pedestrian Related Fatal Crashes | 62 | 65 | 55 | 52 | 59 | 53 | -9.4 |
| Bicycle/Motor Vehicle Related Crashes | 662 | 587 | 606 | 582 | 609 | 507 | -16.8 |
| Bicycle Related Injury Crashes | 512 | 480 | 512 | 448 | 488 | 389 | -20.3 |
| Bicycle Related Fatal Crashes | 10 | 9 | 10 | 4 | 8 | 8 | -3.0 |
| Motorcycle Related Crashes | 736 | 835 | 1,033 | 1,110 | 929 | 1,283 | 38.2 |
| Motorcycle Related Injury Crashes | 565 | 647 | 774 | 797 | 696 | 910 | 30.8 |
| Motorcycle Related Fatal Crashes | 29 | 26 | 42 | 36 | 33 | 60 | 80.5 |
| School Bus Crashes | 822 | 775 | 648 | 932 | 794 | 906 | 14.1 |
| School Bus Injury Crashes | 150 | 144 | 110 | 149 | 138 | 141 | 2.0 |
| School Bus Fatal Crashes | 6 | 4 | 0 | 1 | 3 | 2 | -27.3 |
| Truck Crashes | 8,249 | 7,670 | 7,642 | 10,276 | 8,459 | 9,134 | 8.0 |
| Truck Injury Crashes | 1,852 | 1,678 | 1,665 | 2,181 | 1,844 | 1,856 | 0.7 |
| Truck Fatal Crashes | 108 | 95 | 82 | 88 | 93 | 95 | 1.9 |
| Train Crashes | 57 | 70 | 57 | 59 | 61 | 64 | 5.3 |
| Train Injury Crashes | 23 | 25 | 16 | 18 | 21 | 18 | -12.2 |
| Train Fatal Crashes | 4 | 3 | 2 | 4 | 3 | 5 | 53.8 |

* Percent change from 1997-2000 average to 2001.

** Includes 13 fatalities on parking lots / private property.

*** Data for earlier years were not available. The 1999 and 2000 data include follow-up studies of drivers from FARS.

TABLE 42. NUMBER OF CRASHES AND RATES BY CRASH TYPE FOR EACH COUNTY

| | PEDESTRIAN CRASHES | | BICYCLE CRASHES | | MOTORCYCLE CRASHES | | SCHOOL BUS CRASHES | | TRUCK CRASHES | |
|--------------|-----------------------|--------|--------------------|--------|-----------------------|--------|-----------------------|--------|------------------|--------|
| | NUMBER* | RATE** | NUMBER* | RATE** | NUMBER* | RATE** | NUMBER* | RATE** | NUMBER* | RATE** |
| Adair | 12 | 1.4 | 3 | 0.3 | 26 | 3.0 | 14 | 1.6 | 148 | 17.2 |
| Allen | 3 | 0.3 | 3 | 0.3 | 21 | 2.4 | 11 | 1.2 | 126 | 14.2 |
| Anderson | 15 | 1.6 | 8 | 0.8 | 22 | 2.3 | 29 | 3.0 | 146 | 15.3 |
| Ballard | 5 | 1.2 | 3 | 0.7 | 3 | 0.7 | 4 | 1.0 | 143 | 34.5 |
| Barren | 28 | 1.5 | 19 | 1.0 | 45 | 2.4 | 25 | 1.3 | 508 | 26.7 |
| Bath | 5 | 0.9 | 2 | 0.4 | 12 | 2.2 | 7 | 1.3 | 133 | 24.0 |
| Bell | 38 | 2.5 | 15 | 1.0 | 24 | 1.6 | 31 | 2.1 | 281 | 18.7 |
| Boone | 89 | 2.1 | 63 | 1.5 | 114 | 2.7 | 86 | 2.0 | 1875 | 43.6 |
| Bourbon | 21 | 2.2 | 9 | 0.9 | 21 | 2.2 | 26 | 2.7 | 234 | 24.2 |
| Boyd | 57 | 2.3 | 33 | 1.3 | 100 | 4.0 | 48 | 1.9 | 694 | 27.9 |
| Boyle | 24 | 1.7 | 15 | 1.1 | 26 | 1.9 | 20 | 1.4 | 287 | 20.7 |
| Bracken | 8 | 1.9 | 2 | 0.5 | 9 | 2.2 | 5 | 1.2 | 69 | 16.7 |
| Breathitt | 18 | 2.2 | 3 | 0.4 | 38 | 4.7 | 30 | 3.7 | 146 | 18.1 |
| Breckinridge | 8 | 0.9 | 4 | 0.4 | 13 | 1.4 | 6 | 0.6 | 94 | 10.1 |
| Bullitt | 40 | 1.3 | 11 | 0.4 | 57 | 1.9 | 57 | 1.9 | 589 | 19.2 |
| Butler | 8 | 1.2 | 0 | 0.0 | 9 | 1.4 | 10 | 1.5 | 76 | 11.7 |
| Caldwell | 8 | 1.2 | 6 | 0.9 | 15 | 2.3 | 5 | 0.8 | 142 | 21.7 |
| Calloway | 21 | 1.2 | 12 | 0.7 | 40 | 2.3 | 25 | 1.5 | 232 | 13.6 |
| Campbell | 213 | 4.8 | 135 | 3.0 | 101 | 2.3 | 67 | 1.5 | 895 | 20.2 |
| Carlisle | 0 | 0.0 | 0 | 0.0 | 4 | 1.5 | 1 | 0.4 | 35 | 13.1 |
| Carroll | 9 | 1.8 | 13 | 2.6 | 16 | 3.2 | 11 | 2.2 | 251 | 49.4 |
| Carter | 17 | 1.3 | 3 | 0.2 | 43 | 3.2 | 35 | 2.6 | 314 | 23.4 |
| Casey | 8 | 1.0 | 2 | 0.3 | 15 | 1.9 | 9 | 1.2 | 90 | 11.7 |
| Christian | 90 | 2.5 | 57 | 1.6 | 72 | 2.0 | 98 | 2.7 | 755 | 20.9 |
| Clark | 41 | 2.5 | 17 | 1.0 | 46 | 2.8 | 48 | 2.9 | 422 | 25.5 |
| Clay | 13 | 1.1 | 6 | 0.5 | 22 | 1.8 | 32 | 2.6 | 146 | 11.9 |
| Clinton | 5 | 1.0 | 0 | 0.0 | 3 | 0.6 | 4 | 0.8 | 55 | 11.4 |
| Crittenden | 11 | 2.3 | 0 | 0.0 | 13 | 2.8 | 13 | 2.8 | 77 | 16.4 |
| Cumberland | 4 | 1.1 | 0 | 0.0 | 3 | 0.8 | 3 | 0.8 | 30 | 8.4 |
| Daviess | 109 | 2.4 | 139 | 3.0 | 132 | 2.9 | 67 | 1.5 | 930 | 20.3 |
| Edmonson | 10 | 1.7 | 0 | 0.0 | 15 | 2.6 | 12 | 2.1 | 59 | 10.1 |
| Elliott | 6 | 1.8 | 0 | 0.0 | 15 | 4.4 | 3 | 0.9 | 41 | 12.2 |
| Estill | 14 | 1.8 | 6 | 0.8 | 19 | 2.5 | 17 | 2.2 | 66 | 8.6 |
| Fayette | 632 | 4.9 | 363 | 2.8 | 313 | 2.4 | 278 | 2.1 | 3463 | 26.6 |
| Fleming | 8 | 1.2 | 1 | 0.1 | 10 | 1.5 | 11 | 1.6 | 98 | 14.2 |
| Floyd | 46 | 2.2 | 6 | 0.3 | 81 | 3.8 | 87 | 4.1 | 416 | 19.6 |
| Franklin | 43 | 1.8 | 24 | 1.0 | 58 | 2.4 | 56 | 2.3 | 426 | 17.9 |
| Fulton | 7 | 1.8 | 11 | 2.8 | 10 | 2.6 | 5 | 1.3 | 103 | 26.6 |
| Gallatin | 9 | 2.3 | 4 | 1.0 | 15 | 3.8 | 4 | 1.0 | 158 | 40.2 |
| Garrard | 15 | 2.0 | 4 | 0.5 | 20 | 2.7 | 18 | 2.4 | 110 | 14.9 |
| Grant | 28 | 2.5 | 7 | 0.6 | 40 | 3.6 | 37 | 3.3 | 429 | 38.3 |
| Graves | 25 | 1.4 | 13 | 0.7 | 44 | 2.4 | 28 | 1.5 | 352 | 19.0 |
| Grayson | 21 | 1.7 | 4 | 0.3 | 26 | 2.2 | 21 | 1.7 | 214 | 17.8 |
| Green | 3 | 0.5 | 1 | 0.2 | 13 | 2.3 | 9 | 1.6 | 68 | 11.8 |
| Greenup | 15 | 0.8 | 19 | 1.0 | 36 | 2.0 | 20 | 1.1 | 208 | 11.3 |
| Hancock | 1 | 0.2 | 1 | 0.2 | 4 | 1.0 | 7 | 1.7 | 88 | 21.0 |
| Hardin | 58 | 1.2 | 47 | 1.0 | 108 | 2.3 | 76 | 1.6 | 982 | 20.9 |
| Harlan | 52 | 3.1 | 11 | 0.7 | 32 | 1.9 | 25 | 1.5 | 314 | 18.9 |
| Harrison | 22 | 2.4 | 11 | 1.2 | 14 | 1.6 | 15 | 1.7 | 139 | 15.5 |
| Hart | 15 | 1.7 | 4 | 0.5 | 11 | 1.3 | 16 | 1.8 | 321 | 36.8 |
| Henderson | 83 | 3.7 | 63 | 2.8 | 70 | 3.1 | 47 | 2.1 | 636 | 28.4 |
| Henry | 12 | 1.6 | 6 | 0.8 | 15 | 2.0 | 15 | 2.0 | 260 | 34.5 |
| Hickman | 5 | 1.9 | 1 | 0.4 | 6 | 2.3 | 2 | 0.8 | 42 | 16.0 |
| Hopkins | 40 | 1.7 | 36 | 1.5 | 87 | 3.7 | 32 | 1.4 | 544 | 23.4 |
| Jackson | 6 | 0.9 | 0 | 0.0 | 14 | 2.1 | 16 | 2.4 | 56 | 8.3 |
| Jefferson | 1742 | 5.0 | 943 | 2.7 | 879 | 2.5 | 892 | 2.6 | 8675 | 25.0 |
| Jessamine | 53 | 2.7 | 30 | 1.5 | 42 | 2.2 | 82 | 4.2 | 395 | 20.2 |
| Johnson | 10 | 0.9 | 6 | 0.5 | 35 | 3.0 | 22 | 1.9 | 147 | 12.5 |
| Kenton | 400 | 5.3 | 165 | 2.2 | 155 | 2.0 | 152 | 2.0 | 2173 | 28.7 |
| Knott | 10 | 1.1 | 4 | 0.5 | 26 | 2.9 | 24 | 2.7 | 174 | 19.7 |

TABLE 42. NUMBER OF CRASHES AND RATES BY CRASH TYPE FOR EACH COUNTY (continued)

| | PEDESTRIAN CRASHES | | BICYCLE CRASHES | | MOTORCYCLE CRASHES | | SCHOOL BUS CRASHES | | TRUCK CRASHES | |
|------------|-----------------------|--------|--------------------|--------|-----------------------|--------|-----------------------|--------|------------------|--------|
| | NUMBER* | RATE** | NUMBER* | RATE** | NUMBER* | RATE** | NUMBER* | RATE** | NUMBER* | RATE** |
| Knox | 25 | 1.6 | 17 | 1.1 | 40 | 2.5 | 34 | 2.1 | 213 | 13.4 |
| Larue | 8 | 1.2 | 1 | 0.1 | 10 | 1.5 | 6 | 0.9 | 146 | 21.8 |
| Laurel | 31 | 1.2 | 15 | 0.6 | 51 | 1.9 | 60 | 2.3 | 789 | 29.9 |
| Lawrence | 12 | 1.5 | 5 | 0.6 | 13 | 1.7 | 11 | 1.4 | 160 | 20.6 |
| Lee | 5 | 1.3 | 0 | 0.0 | 2 | 0.5 | 6 | 1.5 | 28 | 7.1 |
| Leslie | 9 | 1.5 | 3 | 0.5 | 21 | 3.4 | 16 | 2.6 | 142 | 22.9 |
| Letcher | 15 | 1.2 | 5 | 0.4 | 38 | 3.0 | 29 | 2.3 | 345 | 27.3 |
| Lewis | 13 | 1.8 | 2 | 0.3 | 6 | 0.9 | 12 | 1.7 | 132 | 18.7 |
| Lincoln | 10 | 0.9 | 5 | 0.4 | 21 | 1.8 | 9 | 0.8 | 148 | 12.7 |
| Livingston | 5 | 1.0 | 6 | 1.2 | 8 | 1.6 | 6 | 1.2 | 82 | 16.7 |
| Logan | 23 | 1.7 | 17 | 1.3 | 31 | 2.3 | 23 | 1.7 | 338 | 25.4 |
| Lyon | 2 | 0.5 | 1 | 0.2 | 18 | 4.5 | 1 | 0.2 | 140 | 34.7 |
| McCracken | 73 | 2.2 | 60 | 1.8 | 128 | 3.9 | 67 | 2.0 | 825 | 25.2 |
| McCreary | 8 | 0.9 | 5 | 0.6 | 15 | 1.8 | 14 | 1.6 | 87 | 10.2 |
| McLean | 4 | 0.8 | 6 | 1.2 | 14 | 2.8 | 10 | 2.0 | 109 | 21.9 |
| Madison | 63 | 1.8 | 40 | 1.1 | 90 | 2.5 | 82 | 2.3 | 957 | 27.0 |
| Magoffin | 10 | 1.5 | 2 | 0.3 | 13 | 2.0 | 10 | 1.5 | 68 | 10.2 |
| Marion | 24 | 2.6 | 13 | 1.4 | 25 | 2.7 | 9 | 1.0 | 134 | 14.7 |
| Marshall | 10 | 0.7 | 10 | 0.7 | 43 | 2.9 | 14 | 0.9 | 312 | 20.7 |
| Martin | 8 | 1.3 | 0 | 0.0 | 9 | 1.4 | 7 | 1.1 | 109 | 17.3 |
| Mason | 20 | 2.4 | 15 | 1.8 | 30 | 3.6 | 19 | 2.3 | 308 | 36.7 |
| Meade | 9 | 0.7 | 6 | 0.5 | 21 | 1.6 | 12 | 0.9 | 103 | 7.8 |
| Menifee | 4 | 1.2 | 1 | 0.3 | 6 | 1.8 | 4 | 1.2 | 24 | 7.3 |
| Mercer | 23 | 2.2 | 8 | 0.8 | 29 | 2.8 | 15 | 1.4 | 175 | 16.8 |
| Metcalfe | 6 | 1.2 | 0 | 0.0 | 8 | 1.6 | 14 | 2.8 | 100 | 19.9 |
| Monroe | 7 | 1.2 | 2 | 0.3 | 6 | 1.0 | 6 | 1.0 | 60 | 10.2 |
| Montgomery | 26 | 2.3 | 4 | 0.4 | 33 | 2.9 | 29 | 2.6 | 223 | 19.8 |
| Morgan | 4 | 0.6 | 3 | 0.4 | 18 | 2.6 | 16 | 2.3 | 72 | 10.3 |
| Muhlenberg | 18 | 1.1 | 9 | 0.6 | 51 | 3.2 | 27 | 1.7 | 368 | 23.1 |
| Nelson | 31 | 1.7 | 21 | 1.1 | 51 | 2.7 | 36 | 1.9 | 310 | 16.5 |
| Nicholas | 2 | 0.6 | 0 | 0.0 | 7 | 2.1 | 2 | 0.6 | 41 | 12.0 |
| Ohio | 6 | 0.5 | 5 | 0.4 | 22 | 1.9 | 15 | 1.3 | 226 | 19.7 |
| Oldham | 19 | 0.8 | 8 | 0.3 | 31 | 1.3 | 45 | 1.9 | 391 | 16.9 |
| Owen | 6 | 1.1 | 0 | 0.0 | 14 | 2.7 | 4 | 0.8 | 68 | 12.9 |
| Owsley | 3 | 1.2 | 1 | 0.4 | 3 | 1.2 | 6 | 2.5 | 28 | 11.5 |
| Pendleton | 7 | 1.0 | 0 | 0.0 | 28 | 3.9 | 14 | 1.9 | 156 | 21.7 |
| Perry | 40 | 2.7 | 9 | 0.6 | 39 | 2.7 | 52 | 3.5 | 432 | 29.4 |
| Pike | 77 | 2.2 | 11 | 0.3 | 174 | 5.1 | 77 | 2.2 | 1242 | 36.1 |
| Powell | 11 | 1.7 | 3 | 0.5 | 14 | 2.1 | 12 | 1.8 | 115 | 17.4 |
| Pulaski | 44 | 1.6 | 21 | 0.7 | 61 | 2.2 | 41 | 1.5 | 525 | 18.7 |
| Robertson | 3 | 2.6 | 0 | 0.0 | 2 | 1.8 | 0 | 0.0 | 4 | 3.5 |
| Rockcastle | 9 | 1.1 | 2 | 0.2 | 21 | 2.5 | 21 | 2.5 | 321 | 38.7 |
| Rowan | 19 | 1.7 | 11 | 1.0 | 35 | 3.2 | 21 | 1.9 | 228 | 20.6 |
| Russell | 8 | 1.0 | 0 | 0.0 | 17 | 2.1 | 5 | 0.6 | 98 | 12.0 |
| Scott | 27 | 1.6 | 19 | 1.1 | 43 | 2.6 | 34 | 2.1 | 613 | 37.1 |
| Shelby | 40 | 2.4 | 15 | 0.9 | 36 | 2.2 | 37 | 2.2 | 468 | 28.1 |
| Simpson | 13 | 1.6 | 8 | 1.0 | 12 | 1.5 | 4 | 0.5 | 398 | 48.5 |
| Spencer | 7 | 1.2 | 3 | 0.5 | 18 | 3.1 | 13 | 2.2 | 61 | 10.4 |
| Taylor | 15 | 1.3 | 14 | 1.2 | 24 | 2.1 | 12 | 1.0 | 139 | 12.1 |
| Todd | 13 | 2.2 | 1 | 0.2 | 15 | 2.5 | 5 | 0.8 | 107 | 17.9 |
| Trigg | 6 | 1.0 | 0 | 0.0 | 21 | 3.3 | 5 | 0.8 | 111 | 17.6 |
| Trimble | 4 | 1.0 | 1 | 0.2 | 15 | 3.7 | 8 | 2.0 | 85 | 20.9 |
| Union | 18 | 2.3 | 6 | 0.8 | 25 | 3.2 | 12 | 1.5 | 167 | 21.4 |
| Warren | 113 | 2.4 | 74 | 1.6 | 139 | 3.0 | 85 | 1.8 | 1284 | 27.8 |
| Washington | 12 | 2.2 | 1 | 0.2 | 15 | 2.7 | 18 | 3.3 | 104 | 19.1 |
| Wayne | 14 | 1.4 | 8 | 0.8 | 12 | 1.2 | 19 | 1.9 | 90 | 9.0 |
| Webster | 4 | 0.6 | 7 | 1.0 | 15 | 2.1 | 12 | 1.7 | 223 | 31.6 |
| Whitley | 31 | 1.7 | 15 | 0.8 | 42 | 2.3 | 32 | 1.8 | 437 | 24.4 |
| Wolfe | 9 | 2.5 | 3 | 0.8 | 6 | 1.7 | 7 | 2.0 | 69 | 19.5 |
| Woodford | 24 | 2.1 | 7 | 0.6 | 21 | 1.8 | 22 | 1.9 | 267 | 23.0 |

* Five-Year (1997-2001) Total.

** Rates are annual crashes per 10,000 population.

TABLE 43. PEDESTRIAN CRASH RATES BY COUNTY AND POPULATION CATEGORY (IN ORDER OF DECREASING PERCENTAGES) (1997-2001)(ALL ROADS)

| COUNTY | NUMBER OF CRASHES | ANNUAL CRASH RATE (CRASHES PER 10,000 POP.) | COUNTY | NUMBER OF CRASHES | ANNUAL CRASH RATE (CRASHES PER 10,000 POP.) |
|--|-------------------|---|--|-------------------|---|
| POPULATION CATEGORY UNDER 10,000 | | | POPULATION CATEGORY 15,000-24,999 | | |
| Robertson | 3 | 2.6 | Marion | 24 | 2.6 |
| Wolfe | 9 | 2.5 | Grant | 28 | 2.5 |
| Gallatin | 9 | 2.3 | Harrison | 22 | 2.4 |
| Crittenden | 11 | 2.3 | Mason | 20 | 2.4 |
| Hickman | 5 | 1.9 | Union | 18 | 2.3 |
| Bracken | 8 | 1.9 | Montgomery | 26 | 2.3 |
| Elliott | 6 | 1.8 | Breathitt | 18 | 2.2 |
| Fulton | 7 | 1.8 | Mercer | 23 | 2.2 |
| Lee | 5 | 1.3 | Bourbon | 21 | 2.2 |
| Owsley | 3 | 1.2 | Woodford | 24 | 2.1 |
| Ballard | 5 | 1.2 | Estill | 14 | 1.8 |
| Menifee | 4 | 1.2 | Rowan | 19 | 1.7 |
| Cumberland | 4 | 1.1 | Hart | 15 | 1.7 |
| Clinton | 5 | 1.0 | Grayson | 21 | 1.7 |
| Trimble | 4 | 1.0 | Anderson | 15 | 1.6 |
| Livingston | 5 | 1.0 | Henry | 12 | 1.6 |
| McLean | 4 | 0.8 | Simpson | 13 | 1.6 |
| Nicholas | 2 | 0.6 | Lawrence | 12 | 1.5 |
| Lyon | 2 | 0.5 | Wayne | 14 | 1.4 |
| Hancock | 1 | 0.2 | Adair | 12 | 1.4 |
| Carlisle | 0 | 0.0 | Taylor | 15 | 1.3 |
| POPULATION CATEGORY 10,000-14,999 | | | Rockcastle | 9 | 1.1 |
| Todd | 13 | 2.2 | Knott | 10 | 1.1 |
| Washington | 12 | 2.2 | Clay | 13 | 1.1 |
| Garrard | 15 | 2.0 | Russell | 8 | 1.0 |
| Lewis | 13 | 1.8 | Casey | 8 | 1.0 |
| Carroll | 9 | 1.8 | Lincoln | 10 | 0.9 |
| Edmonson | 10 | 1.7 | McCreary | 8 | 0.9 |
| Powell | 11 | 1.7 | Breckinridge | 8 | 0.9 |
| Magoffin | 10 | 1.5 | Johnson | 10 | 0.9 |
| Leslie | 9 | 1.5 | Ohio | 6 | 0.5 |
| Martin | 8 | 1.3 | Allen | 3 | 0.3 |
| Larue | 8 | 1.2 | POPULATION CATEGORY 25,000-50,000 | | |
| Fleming | 8 | 1.2 | Henderson | 83 | 3.7 |
| Caldwell | 8 | 1.2 | Harlan | 52 | 3.1 |
| Butler | 8 | 1.2 | Perry | 40 | 2.7 |
| Metcalfe | 6 | 1.2 | Jessamine | 53 | 2.7 |
| Spencer | 7 | 1.2 | Clark | 41 | 2.5 |
| Monroe | 7 | 1.2 | Bell | 38 | 2.5 |
| Owen | 6 | 1.1 | Shelby | 40 | 2.4 |
| Trigg | 6 | 1.0 | Boyd | 57 | 2.3 |
| Pendleton | 7 | 1.0 | Floyd | 46 | 2.2 |
| Bath | 5 | 0.9 | Franklin | 43 | 1.8 |
| Jackson | 6 | 0.9 | Logan | 23 | 1.7 |
| Morgan | 4 | 0.6 | Whitley | 31 | 1.7 |
| Webster | 4 | 0.6 | Nelson | 31 | 1.7 |
| Green | 3 | 0.5 | Hopkins | 40 | 1.7 |
| | | | Boyle | 24 | 1.7 |
| | | | Scott | 27 | 1.6 |
| | | | Knox | 25 | 1.6 |
| | | | Barren | 28 | 1.5 |
| | | | Graves | 25 | 1.4 |
| | | | Carter | 17 | 1.3 |
| | | | Calloway | 21 | 1.2 |
| | | | Letcher | 15 | 1.2 |
| | | | Muhlenberg | 18 | 1.1 |
| | | | Oldham | 19 | 0.8 |
| | | | Greenup | 15 | 0.8 |
| | | | Marshall | 10 | 0.7 |
| | | | Meade | 9 | 0.7 |
| | | | POPULATION CATEGORY OVER 50,000 | | |
| | | | Kenton | 400 | 5.3 |
| | | | Jefferson | 1,742 | 5.0 |
| | | | Fayette | 632 | 4.9 |
| | | | Campbell | 213 | 4.8 |
| | | | Christian | 90 | 2.5 |
| | | | Daviess | 109 | 2.4 |
| | | | Warren | 113 | 2.4 |
| | | | McCracken | 73 | 2.2 |
| | | | Pike | 77 | 2.2 |
| | | | Boone | 89 | 2.1 |
| | | | Madison | 63 | 1.8 |
| | | | Pulaski | 44 | 1.6 |
| | | | Bullitt | 40 | 1.3 |
| | | | Hardin | 58 | 1.2 |
| | | | Laurel | 31 | 1.2 |

TABLE 44. PEDESTRIAN CRASH RATES BY CITY AND POPULATION CATEGORY
(IN ORDER OF DECREASING PERCENTAGES)(1997-2001)

| CITY | NUMBER OF CRASHES (1997-2001) | ANNUAL CRASH RATE (CRASHES PER 10,000 POPULATION) | CITY | NUMBER OF CRASHES (1997-2001) | ANNUAL CRASH RATE (CRASHES PER 10,000 POPULATION) |
|-----------------------------------|-------------------------------------|--|---------------------------------|-------------------------------------|--|
| POPULATION CATEGORY OVER 200,000 | | | POPULATION CATEGORY 2,500-4,999 | | |
| Louisville | 994 | 7.8 | Springfield | 9 | 6.8 |
| Lexington | 515 | 4.0 | Hazard | 15 | 6.2 |
| POPULATION CATEGORY 20,000-55,000 | | | Lancaster | 10 | 5.4 |
| Covington | 235 | 10.8 | Irvine | 7 | 4.9 |
| Hopkinsville | 61 | 4.1 | Williamstown | 7 | 4.3 |
| Henderson | 55 | 4.0 | Hodgenville | 6 | 4.2 |
| Florence | 39 | 3.3 | Lakeside Park | 6 | 4.2 |
| Paducah | 42 | 3.2 | Ludlow | 9 | 4.1 |
| Bowling Green | 73 | 3.0 | Morganfield | 7 | 4.0 |
| Ashland | 31 | 2.8 | Marion | 6 | 3.8 |
| Owensboro | 73 | 2.7 | Tompkinsville | 5 | 3.8 |
| Frankfort | 30 | 2.2 | Prestonsburg | 6 | 3.3 |
| Richmond | 30 | 2.2 | Barbourville | 6 | 3.3 |
| Elizabethtown | 17 | 1.5 | Grayson | 6 | 3.1 |
| Radcliff | 15 | 1.4 | Cold Spring | 5 | 2.6 |
| Jeffersontown | 16 | 1.2 | Columbia | 5 | 2.5 |
| POPULATION CATEGORY 10,000-19,999 | | | Mount Vernon | 3 | 2.3 |
| Newport | 102 | 12.0 | Greenville | 5 | 2.3 |
| Shively | 46 | 6.1 | Fulton | 3 | 2.2 |
| Shelbyville | 23 | 4.6 | Paintsville | 4 | 1.9 |
| Nicholasville | 39 | 4.0 | Carrollton | 3 | 1.6 |
| Winchester | 29 | 3.5 | Russell | 3 | 1.6 |
| Bardstown | 17 | 3.3 | Flemingsburg | 2 | 1.3 |
| Somerset | 19 | 3.3 | Dawson Springs | 2 | 1.3 |
| Mayfield | 15 | 2.9 | Stanton | 2 | 1.3 |
| Madisonville | 24 | 2.5 | Southgate | 2 | 1.2 |
| Campbellsville | 13 | 2.5 | Benton | 2 | 1.0 |
| Erlanger | 19 | 2.3 | Scottsville | 2 | 0.9 |
| Danville | 18 | 2.3 | Hickman | 1 | 0.8 |
| Independence | 17 | 2.3 | Cumberland | 1 | 0.8 |
| Middlesboro | 11 | 2.1 | Calvert City | 1 | 0.7 |
| Saint Matthews | 17 | 2.1 | Park Hills | 1 | 0.7 |
| Fort Thomas | 16 | 1.9 | Stanford | 1 | 0.6 |
| Georgetown | 17 | 1.9 | | | |
| Glasgow | 12 | 1.8 | | | |
| Murray | 5 | 0.7 | | | |
| POPULATION CATEGORY 5,000-9,999 | | | | | |
| Pikeville | 20 | 6.4 | | | |
| Mount Sterling | 15 | 5.1 | | | |
| Dayton | 15 | 5.0 | | | |
| Harrodsburg | 18 | 4.5 | | | |
| Cynthiana | 13 | 4.2 | | | |
| Morehead | 12 | 4.1 | | | |
| Versailles | 15 | 4.0 | | | |
| Fort Wright | 11 | 3.9 | | | |
| Lebanon | 11 | 3.8 | | | |
| Paris | 16 | 3.5 | | | |
| Corbin | 13 | 3.4 | | | |
| Maysville | 15 | 3.3 | | | |
| London | 9 | 3.2 | | | |
| Russellville | 11 | 3.1 | | | |
| Bellevue | 10 | 3.1 | | | |
| Monticello | 9 | 3.0 | | | |
| Leitchfield | 9 | 2.9 | | | |
| Elsmere | 11 | 2.7 | | | |
| Franklin | 9 | 2.3 | | | |
| Shepherdsville | 8 | 1.9 | | | |
| Lawrenceburg | 8 | 1.8 | | | |
| La Grange | 5 | 1.8 | | | |
| Princeton | 6 | 1.8 | | | |
| Fort Mitchell | 7 | 1.7 | | | |
| Mount Washington | 7 | 1.6 | | | |
| Flatwoods | 6 | 1.6 | | | |
| Berea | 7 | 1.4 | | | |
| Edgewood | 6 | 1.3 | | | |
| Taylor Mill | 4 | 1.2 | | | |
| Highland Heights | 3 | 0.9 | | | |
| Williamsburg | 2 | 0.8 | | | |
| Central City | 2 | 0.7 | | | |
| Villa Hills | 2 | 0.5 | | | |
| Alexandria | 1 | 0.2 | | | |

TABLE 45. BICYCLE CRASH RATES BY COUNTY AND POPULATION CATEGORY (IN ORDER OF DECREASING PERCENTAGES) (1997-2001)

| COUNTY | NUMBER OF CRASHES | ANNUAL CRASH RATE (CRASHES PER 10,000 POP.) | COUNTY | NUMBER OF CRASHES | ANNUAL CRASH RATE (CRASHES PER 10,000 POP.) |
|--|-------------------|---|--|-------------------|---|
| POPULATION CATEGORY UNDER 10,000 | | | POPULATION CATEGORY 15,000-24,999 | | |
| Fulton | 11 | 2.8 | Mason | 15 | 1.8 |
| McLean | 6 | 1.2 | Marion | 13 | 1.4 |
| Livingston | 6 | 1.2 | Harrison | 11 | 1.2 |
| Gallatin | 4 | 1.0 | Taylor | 14 | 1.2 |
| Wolfe | 3 | 0.8 | Simpson | 8 | 1.0 |
| Ballard | 3 | 0.7 | Rowan | 11 | 1.0 |
| Bracken | 2 | 0.5 | Bourbon | 9 | 0.9 |
| Hickman | 1 | 0.4 | Henry | 6 | 0.8 |
| Owsley | 1 | 0.4 | Estill | 6 | 0.8 |
| Menifee | 1 | 0.3 | Mercer | 8 | 0.8 |
| Lyon | 1 | 0.2 | Wayne | 8 | 0.8 |
| Trimble | 1 | 0.2 | Union | 6 | 0.8 |
| Hancock | 1 | 0.2 | Anderson | 8 | 0.8 |
| Crittenden | 0 | 0.0 | Grant | 7 | 0.6 |
| Nicholas | 0 | 0.0 | Lawrence | 5 | 0.6 |
| Elliott | 0 | 0.0 | Woodford | 7 | 0.6 |
| Lee | 0 | 0.0 | McCreary | 5 | 0.6 |
| Carlisle | 0 | 0.0 | Hart | 4 | 0.5 |
| Clinton | 0 | 0.0 | Knott | 4 | 0.5 |
| Cumberland | 0 | 0.0 | Clay | 6 | 0.5 |
| Robertson | 0 | 0.0 | Johnson | 6 | 0.5 |
| POPULATION CATEGORY 10,000-14,999 | | | POPULATION CATEGORY 25,000-50,000 | | |
| Carroll | 13 | 2.6 | Montgomery | 4 | 0.4 |
| Webster | 7 | 1.0 | Lincoln | 5 | 0.4 |
| Caldwell | 6 | 0.9 | Ohio | 5 | 0.4 |
| Garrard | 4 | 0.5 | Breathitt | 3 | 0.4 |
| Spencer | 3 | 0.5 | Breckinridge | 4 | 0.4 |
| Leslie | 3 | 0.5 | Adair | 3 | 0.3 |
| Powell | 3 | 0.5 | Grayson | 4 | 0.3 |
| Bath | 2 | 0.4 | Allen | 3 | 0.3 |
| Morgan | 3 | 0.4 | Casey | 2 | 0.3 |
| Monroe | 2 | 0.3 | Rockcastle | 2 | 0.2 |
| Magoffin | 2 | 0.3 | Russell | 0 | 0.0 |
| Lewis | 2 | 0.3 | POPULATION CATEGORY OVER 50,000 | | |
| Washington | 1 | 0.2 | Henderson | 63 | 2.8 |
| Todd | 1 | 0.2 | Jessamine | 30 | 1.5 |
| Green | 1 | 0.2 | Hopkins | 36 | 1.5 |
| Larue | 1 | 0.1 | Boyd | 33 | 1.3 |
| Fleming | 1 | 0.1 | Logan | 17 | 1.3 |
| Martin | 0 | 0.0 | Boyle | 15 | 1.1 |
| Butler | 0 | 0.0 | Nelson | 21 | 1.1 |
| Edmonson | 0 | 0.0 | Scott | 19 | 1.1 |
| Jackson | 0 | 0.0 | Knox | 17 | 1.1 |
| Pendleton | 0 | 0.0 | Franklin | 24 | 1.0 |
| Owen | 0 | 0.0 | Barren | 19 | 1.0 |
| Trigg | 0 | 0.0 | Greenup | 19 | 1.0 |
| Metcalfe | 0 | 0.0 | Bell | 15 | 1.0 |
| | | | Clark | 17 | 1.0 |
| | | | Shelby | 15 | 0.9 |
| | | | Whitley | 15 | 0.8 |
| | | | Harlan | 11 | 0.7 |
| | | | Calloway | 12 | 0.7 |
| | | | Graves | 13 | 0.7 |
| | | | Marshall | 10 | 0.7 |
| | | | Muhlenberg | 9 | 0.6 |
| | | | Perry | 9 | 0.6 |
| | | | Meade | 6 | 0.5 |
| | | | Letcher | 5 | 0.4 |
| | | | Floyd | 6 | 0.3 |
| | | | Oldham | 8 | 0.3 |
| | | | Carter | 3 | 0.2 |
| | | | Campbell | 135 | 3.0 |
| | | | Daviess | 139 | 3.0 |
| | | | Fayette | 363 | 2.8 |
| | | | Jefferson | 943 | 2.7 |
| | | | Kenton | 165 | 2.2 |
| | | | McCracken | 60 | 1.8 |
| | | | Warren | 74 | 1.6 |
| | | | Christian | 57 | 1.6 |
| | | | Boone | 63 | 1.5 |
| | | | Madison | 40 | 1.1 |
| | | | Hardin | 47 | 1.0 |
| | | | Pulaski | 21 | 0.7 |
| | | | Laurel | 15 | 0.6 |
| | | | Bullitt | 11 | 0.4 |
| | | | Pike | 11 | 0.3 |

TABLE 46. BICYCLE CRASH RATES BY CITY AND POPULATION CATEGORY
(IN ORDER OF DECREASING PERCENTAGES)(1997-2001)

| CITY | NUMBER OF CRASHES (1997-2001) | ANNUAL CRASH RATE (CRASHES PER 10,000 POPULATION) | CITY | NUMBER OF CRASHES (1997-2001) | ANNUAL CRASH RATE (CRASHES PER 10,000 POPULATION) |
|-----------------------------------|-------------------------------------|--|---------------------------------|-------------------------------------|--|
| POPULATION CATEGORY OVER 200,000 | | | POPULATION CATEGORY 2,500-4,999 | | |
| Louisville | 573 | 4.5 | Fulton | 6 | 4.3 |
| Lexington | 288 | 2.2 | Carrollton | 8 | 4.2 |
| POPULATION CATEGORY 20,000-55,000 | | | Providence | 7 | 3.9 |
| Covington | 89 | 4.1 | Morganfield | 4 | 2.3 |
| Henderson | 50 | 3.7 | Hickman | 3 | 2.3 |
| Owensboro | 95 | 3.5 | Russell | 4 | 2.2 |
| Paducah | 38 | 2.9 | Irvine | 3 | 2.1 |
| Florence | 34 | 2.9 | Greenville | 4 | 1.8 |
| Hopkinsville | 41 | 2.7 | Ludlow | 4 | 1.8 |
| Ashland | 22 | 2.0 | Mount Vernon | 2 | 1.5 |
| Bowling Green | 48 | 1.9 | Calvert City | 2 | 1.5 |
| Elizabethtown | 20 | 1.8 | Dawson Springs | 2 | 1.3 |
| Richmond | 21 | 1.5 | Stanford | 2 | 1.2 |
| Jeffersonton | 16 | 1.2 | Southgate | 2 | 1.2 |
| Frankfort | 16 | 1.2 | Cold Spring | 2 | 1.1 |
| Radcliff | 9 | 0.8 | Grayson | 2 | 1.0 |
| POPULATION CATEGORY 10,000-19,999 | | | Columbia | 2 | 1.0 |
| Newport | 67 | 7.9 | Vine Grove | 2 | 1.0 |
| Shively | 24 | 3.2 | Tompkinsville | 1 | 0.8 |
| Bardstown | 15 | 2.9 | Cumberland | 1 | 0.8 |
| Madisonville | 26 | 2.7 | Beaver Dam | 1 | 0.7 |
| Erlanger | 21 | 2.5 | Stanton | 1 | 0.7 |
| Campbellsville | 11 | 2.1 | Park Hills | 1 | 0.7 |
| Nicholasville | 20 | 2.0 | Hodgenville | 1 | 0.7 |
| Middlesboro | 10 | 1.9 | Barbourville | 1 | 0.6 |
| Shelbyville | 9 | 1.8 | Williamstown | 1 | 0.6 |
| Glasgow | 11 | 1.7 | Lancaster | 1 | 0.5 |
| Winchester | 13 | 1.6 | Benton | 1 | 0.5 |
| Danville | 12 | 1.6 | Scottsville | 1 | 0.5 |
| Mayfield | 8 | 1.5 | Paintsville | 1 | 0.5 |
| Somerset | 6 | 1.1 | | | |
| Saint Matthews | 9 | 1.1 | | | |
| Murray | 7 | 0.9 | | | |
| Fort Thomas | 7 | 0.8 | | | |
| Georgetown | 7 | 0.8 | | | |
| Independence | 4 | 0.5 | | | |
| POPULATION CATEGORY 5,000-9,999 | | | | | |
| Bellevue | 16 | 4.9 | | | |
| Lebanon | 10 | 3.5 | | | |
| Corbin | 12 | 3.1 | | | |
| Monticello | 9 | 3.0 | | | |
| Cynthiana | 9 | 2.9 | | | |
| Russellville | 10 | 2.8 | | | |
| Maysville | 12 | 2.7 | | | |
| London | 7 | 2.5 | | | |
| Morehead | 6 | 2.0 | | | |
| Berea | 9 | 1.8 | | | |
| Franklin | 7 | 1.8 | | | |
| Princeton | 6 | 1.8 | | | |
| Versailles | 6 | 1.6 | | | |
| Harrodsburg | 6 | 1.5 | | | |
| Elsmere | 6 | 1.5 | | | |
| Paris | 7 | 1.5 | | | |
| Highland Heights | 5 | 1.5 | | | |
| Central City | 4 | 1.4 | | | |
| Dayton | 4 | 1.3 | | | |
| Flatwoods | 4 | 1.1 | | | |
| Lawrenceburg | 5 | 1.1 | | | |
| Fort Mitchell | 3 | 0.7 | | | |
| Shepherdsville | 3 | 0.7 | | | |
| Fort Wright | 2 | 0.7 | | | |
| Pikeville | 2 | 0.6 | | | |
| Edgewood | 3 | 0.6 | | | |
| Alexandria | 2 | 0.5 | | | |
| Villa Hills | 2 | 0.5 | | | |
| Williamsburg | 1 | 0.4 | | | |
| Mount Sterling | 1 | 0.3 | | | |
| Taylor Mill | 1 | 0.3 | | | |
| Wilmore | 1 | 0.3 | | | |
| Leitchfield | 1 | 0.3 | | | |
| Mount Washington | 1 | 0.2 | | | |

TABLE 47. MOTORCYCLE CRASH RATES BY COUNTY AND POPULATION CATEGORY (IN ORDER OF DECREASING PERCENTAGES) (1997-2001)

| COUNTY | NUMBER OF CRASHES | ANNUAL CRASH RATE (CRASHES PER 10,000 POP.) | COUNTY | NUMBER OF CRASHES | ANNUAL CRASH RATE (CRASHES PER 10,000 POP.) |
|--|-------------------|---|--|-------------------|---|
| POPULATION CATEGORY UNDER 10,000 | | | POPULATION CATEGORY 15,000-24,999 | | |
| Lyon | 18 | 4.5 | Breathitt | 38 | 4.7 |
| Elliott | 15 | 4.4 | Grant | 40 | 3.6 |
| Gallatin | 15 | 3.8 | Mason | 30 | 3.6 |
| Trimble | 15 | 3.7 | Rowan | 35 | 3.2 |
| McLean | 14 | 2.8 | Union | 25 | 3.2 |
| Crittenden | 13 | 2.8 | Johnson | 35 | 3.0 |
| Fulton | 10 | 2.6 | Adair | 26 | 3.0 |
| Hickman | 6 | 2.3 | Knott | 26 | 2.9 |
| Bracken | 9 | 2.2 | Montgomery | 33 | 2.9 |
| Nicholas | 7 | 2.1 | Mercer | 29 | 2.8 |
| Robertson | 2 | 1.8 | Marion | 25 | 2.7 |
| Menifee | 6 | 1.8 | Estill | 19 | 2.5 |
| Wolfe | 6 | 1.7 | Rockcastle | 21 | 2.5 |
| Livingston | 8 | 1.6 | Allen | 21 | 2.4 |
| Carlisle | 4 | 1.5 | Anderson | 22 | 2.3 |
| Owsley | 3 | 1.2 | Bourbon | 21 | 2.2 |
| Hancock | 4 | 1.0 | Grayson | 26 | 2.2 |
| Cumberland | 3 | 0.8 | Russell | 17 | 2.1 |
| Ballard | 3 | 0.7 | Taylor | 24 | 2.1 |
| Clinton | 3 | 0.6 | Henry | 15 | 2.0 |
| Lee | 2 | 0.5 | Casey | 15 | 1.9 |
| POPULATION CATEGORY 10,000-14,999 | | | Ohio | 22 | 1.9 |
| Pendleton | 28 | 3.9 | McCreary | 15 | 1.8 |
| Leslie | 21 | 3.4 | Clay | 22 | 1.8 |
| Trigg | 21 | 3.3 | Lincoln | 21 | 1.8 |
| Carroll | 16 | 3.2 | Woodford | 21 | 1.8 |
| Spencer | 18 | 3.1 | Lawrence | 13 | 1.7 |
| Garrard | 20 | 2.7 | Harrison | 14 | 1.6 |
| Owen | 14 | 2.7 | Simpson | 12 | 1.5 |
| Washington | 15 | 2.7 | Breckinridge | 13 | 1.4 |
| Morgan | 18 | 2.6 | Hart | 11 | 1.3 |
| Edmonson | 15 | 2.6 | Wayne | 12 | 1.2 |
| Todd | 15 | 2.5 | POPULATION CATEGORY 25,000-50,000 | | |
| Green | 13 | 2.3 | Boyd | 100 | 4.0 |
| Caldwell | 15 | 2.3 | Floyd | 81 | 3.8 |
| Bath | 12 | 2.2 | Hopkins | 87 | 3.7 |
| Powell | 14 | 2.1 | Carter | 43 | 3.2 |
| Jackson | 14 | 2.1 | Muhlenberg | 51 | 3.2 |
| Webster | 15 | 2.1 | Henderson | 70 | 3.1 |
| Magoffin | 13 | 2.0 | Letcher | 38 | 3.0 |
| Metcalfe | 8 | 1.6 | Marshall | 43 | 2.9 |
| Fleming | 10 | 1.5 | Clark | 46 | 2.8 |
| Larue | 10 | 1.5 | Nelson | 51 | 2.7 |
| Martin | 9 | 1.4 | Perry | 39 | 2.7 |
| Butler | 9 | 1.4 | Scott | 43 | 2.6 |
| Monroe | 6 | 1.0 | Knox | 40 | 2.5 |
| Lewis | 6 | 0.9 | Graves | 44 | 2.4 |
| | | | Barren | 45 | 2.4 |
| | | | Franklin | 58 | 2.4 |
| | | | Logan | 31 | 2.3 |
| | | | Calloway | 40 | 2.3 |
| | | | Whitley | 42 | 2.3 |
| | | | Shelby | 36 | 2.2 |
| | | | Jessamine | 42 | 2.2 |
| | | | Greenup | 36 | 2.0 |
| | | | Boyle | 26 | 1.9 |
| | | | Harlan | 32 | 1.9 |
| | | | Meade | 21 | 1.6 |
| | | | Bell | 24 | 1.6 |
| | | | Oldham | 31 | 1.3 |
| | | | POPULATION CATEGORY OVER 50,000 | | |
| | | | Pike | 174 | 5.1 |
| | | | McCracken | 128 | 3.9 |
| | | | Warren | 139 | 3.0 |
| | | | Daviess | 132 | 2.9 |
| | | | Boone | 114 | 2.7 |
| | | | Jefferson | 879 | 2.5 |
| | | | Madison | 90 | 2.5 |
| | | | Fayette | 313 | 2.4 |
| | | | Campbell | 101 | 2.3 |
| | | | Hardin | 108 | 2.3 |
| | | | Pulaski | 61 | 2.2 |
| | | | Christian | 72 | 2.0 |
| | | | Kenton | 155 | 2.0 |
| | | | Bullitt | 57 | 1.9 |
| | | | Laurel | 51 | 1.9 |

TABLE 48. MOTORCYCLE CRASH RATES BY CITY AND POPULATION CATEGORY
(IN ORDER OF DECREASING PERCENTAGES)(1997-2001)

| CITY | NUMBER OF CRASHES (1997-2001) | ANNUAL CRASH RATE (CRASHES PER 10,000 POPULATION) | CITY | NUMBER OF CRASHES (1997-2001) | ANNUAL CRASH RATE (CRASHES PER 10,000 POPULATION) |
|-----------------------------------|-------------------------------------|--|---------------------------------|-------------------------------------|--|
| POPULATION CATEGORY OVER 200,000 | | | POPULATION CATEGORY 2,500-4,999 | | |
| Louisville | 369 | 2.9 | Prestonsburg | 8 | 4.4 |
| Lexington | 225 | 1.7 | Mount Vernon | 5 | 3.9 |
| POPULATION CATEGORY 20,000-55,000 | | | Cold Spring | 7 | 3.7 |
| Paducah | 55 | 4.2 | Carrollton | 6 | 3.1 |
| Ashland | 39 | 3.5 | Cumberland | 4 | 3.1 |
| Bowling Green | 64 | 2.6 | Columbia | 6 | 3.0 |
| Henderson | 35 | 2.6 | Calvert City | 4 | 3.0 |
| Elizabethtown | 26 | 2.3 | Providence | 5 | 2.8 |
| Richmond | 29 | 2.1 | Dawson Springs | 4 | 2.7 |
| Owensboro | 55 | 2.0 | Williamstown | 4 | 2.5 |
| Florence | 23 | 2.0 | Paintsville | 5 | 2.4 |
| Frankfort | 23 | 1.7 | Scottsville | 5 | 2.3 |
| Covington | 37 | 1.7 | Russell | 4 | 2.2 |
| Hopkinsville | 21 | 1.4 | Hazard | 5 | 2.1 |
| Radcliff | 14 | 1.3 | Lakeside Park | 3 | 2.1 |
| Jeffersonton | 13 | 1.0 | Hodgenville | 3 | 2.1 |
| POPULATION CATEGORY 10,000-19,999 | | | Beaver Dam | 3 | 2.0 |
| Madisonville | 37 | 3.8 | Marion | 3 | 1.9 |
| Newport | 25 | 2.9 | Greenville | 4 | 1.8 |
| Glasgow | 18 | 2.8 | Stanford | 3 | 1.7 |
| Shively | 20 | 2.6 | Lancaster | 3 | 1.6 |
| Winchester | 22 | 2.6 | Hartford | 2 | 1.6 |
| Erlanger | 21 | 2.5 | Grayson | 3 | 1.5 |
| Somerset | 14 | 2.5 | Springfield | 2 | 1.5 |
| Bardstown | 10 | 1.9 | Tompkinsville | 2 | 1.5 |
| Campbellsville | 9 | 1.7 | Benton | 3 | 1.4 |
| Danville | 10 | 1.3 | Irvine | 2 | 1.4 |
| Independence | 10 | 1.3 | Fulton | 2 | 1.4 |
| Murray | 10 | 1.3 | Southgate | 2 | 1.2 |
| Shelbyville | 6 | 1.2 | Barbourville | 2 | 1.1 |
| Georgetown | 10 | 1.1 | Flemingsburg | 1 | 0.7 |
| Nicholasville | 11 | 1.1 | | | |
| Middlesboro | 5 | 1.0 | | | |
| Mayfield | 4 | 0.8 | | | |
| Fort Thomas | 5 | 0.6 | | | |
| Saint Matthews | 4 | 0.5 | | | |
| POPULATION CATEGORY 5,000-9,999 | | | | | |
| Pikeville | 19 | 6.0 | | | |
| Russellville | 15 | 4.2 | | | |
| Morehead | 10 | 3.4 | | | |
| London | 7 | 2.5 | | | |
| Paris | 11 | 2.4 | | | |
| Central City | 7 | 2.4 | | | |
| Corbin | 9 | 2.3 | | | |
| Harrodsburg | 9 | 2.2 | | | |
| Fort Mitchell | 9 | 2.2 | | | |
| Shepherdsville | 8 | 1.9 | | | |
| Mount Sterling | 5 | 1.7 | | | |
| Dayton | 5 | 1.7 | | | |
| Alexandria | 7 | 1.7 | | | |
| Maysville | 7 | 1.6 | | | |
| Franklin | 6 | 1.5 | | | |
| Lebanon | 4 | 1.4 | | | |
| Fort Wright | 4 | 1.4 | | | |
| Versailles | 5 | 1.3 | | | |
| Leitchfield | 4 | 1.3 | | | |
| Cynthiana | 4 | 1.3 | | | |
| Princeton | 4 | 1.2 | | | |
| Williamsburg | 3 | 1.2 | | | |
| Villa Hills | 4 | 1.0 | | | |
| Monticello | 3 | 1.0 | | | |
| Taylor Mill | 3 | 0.9 | | | |
| Highland Heights | 3 | 0.9 | | | |
| Lawrenceburg | 4 | 0.9 | | | |
| Mount Washington | 4 | 0.9 | | | |
| La Grange | 2 | 0.7 | | | |
| Bellevue | 2 | 0.6 | | | |
| Elsmere | 2 | 0.5 | | | |
| Edgewood | 2 | 0.4 | | | |
| Berea | 2 | 0.4 | | | |
| Flatwoods | 1 | 0.3 | | | |

TABLE 49. SCHOOL BUS CRASH RATES BY COUNTY AND POPULATION CATEGORY (IN ORDER OF DECREASING PERCENTAGES) (1997-2001)

| COUNTY | NUMBER OF CRASHES | ANNUAL CRASH RATE (CRASHES PER 10,000 POP.) | COUNTY | NUMBER OF CRASHES | ANNUAL CRASH RATE (CRASHES PER 10,000 POP.) |
|--|-------------------|---|--|-------------------|---|
| POPULATION CATEGORY UNDER 10,000 | | | POPULATION CATEGORY 15,000-24,999 | | |
| Crittenden | 13 | 2.8 | Breathitt | 30 | 3.7 |
| Owsley | 6 | 2.5 | Grant | 37 | 3.3 |
| McLean | 10 | 2.0 | Anderson | 29 | 3.0 |
| Wolfe | 7 | 2.0 | Knott | 24 | 2.7 |
| Trimble | 8 | 2.0 | Bourbon | 26 | 2.7 |
| Hancock | 7 | 1.7 | Montgomery | 29 | 2.6 |
| Lee | 6 | 1.5 | Clay | 32 | 2.6 |
| Fulton | 5 | 1.3 | Rockcastle | 21 | 2.5 |
| Bracken | 5 | 1.2 | Mason | 19 | 2.3 |
| Menifee | 4 | 1.2 | Estill | 17 | 2.2 |
| Livingston | 6 | 1.2 | Henry | 15 | 2.0 |
| Ballard | 4 | 1.0 | Wayne | 19 | 1.9 |
| Gallatin | 4 | 1.0 | Johnson | 22 | 1.9 |
| Elliott | 3 | 0.9 | Rowan | 21 | 1.9 |
| Cumberland | 3 | 0.8 | Woodford | 22 | 1.9 |
| Clinton | 4 | 0.8 | Hart | 16 | 1.8 |
| Hickman | 2 | 0.8 | Grayson | 21 | 1.7 |
| Nicholas | 2 | 0.6 | Harrison | 15 | 1.7 |
| Carlisle | 1 | 0.4 | McCreary | 14 | 1.6 |
| Lyon | 1 | 0.2 | Adair | 14 | 1.6 |
| Robertson | 0 | 0.0 | Union | 12 | 1.5 |
| POPULATION CATEGORY 10,000-14,999 | | | Lawrence | 11 | 1.4 |
| Washington | 18 | 3.3 | Mercer | 15 | 1.4 |
| Metcalfe | 14 | 2.8 | Ohio | 15 | 1.3 |
| Leslie | 16 | 2.6 | Casey | 9 | 1.2 |
| Garrard | 18 | 2.4 | Allen | 11 | 1.2 |
| Jackson | 16 | 2.4 | Taylor | 12 | 1.0 |
| Morgan | 16 | 2.3 | Marion | 9 | 1.0 |
| Carroll | 11 | 2.2 | Lincoln | 9 | 0.8 |
| Spencer | 13 | 2.2 | Breckinridge | 6 | 0.6 |
| Edmonson | 12 | 2.1 | Russell | 5 | 0.6 |
| Pendleton | 14 | 1.9 | Simpson | 4 | 0.5 |
| Powell | 12 | 1.8 | POPULATION CATEGORY 25,000-50,000 | | |
| Webster | 12 | 1.7 | Jessamine | 82 | 4.2 |
| Lewis | 12 | 1.7 | Floyd | 87 | 4.1 |
| Fleming | 11 | 1.6 | Perry | 52 | 3.5 |
| Green | 9 | 1.6 | Clark | 48 | 2.9 |
| Magoffin | 10 | 1.5 | Carter | 35 | 2.6 |
| Butler | 10 | 1.5 | Franklin | 56 | 2.3 |
| Bath | 7 | 1.3 | Letcher | 29 | 2.3 |
| Martin | 7 | 1.1 | Shelby | 37 | 2.2 |
| Monroe | 6 | 1.0 | Bell | 31 | 2.1 |
| Larue | 6 | 0.9 | Knox | 34 | 2.1 |
| Caldwell | 5 | 0.8 | Scott | 34 | 2.1 |
| Owen | 4 | 0.8 | Henderson | 47 | 2.1 |
| Todd | 5 | 0.8 | Nelson | 36 | 1.9 |
| Trigg | 5 | 0.8 | Boyd | 48 | 1.9 |
| | | | Oldham | 45 | 1.9 |
| | | | Whitley | 32 | 1.8 |
| | | | Muhlenberg | 27 | 1.7 |
| | | | Logan | 23 | 1.7 |
| | | | Calloway | 25 | 1.5 |
| | | | Harlan | 25 | 1.5 |
| | | | Graves | 28 | 1.5 |
| | | | Boyle | 20 | 1.4 |
| | | | Hopkins | 32 | 1.4 |
| | | | Barren | 25 | 1.3 |
| | | | Greenup | 20 | 1.1 |
| | | | Marshall | 14 | 0.9 |
| | | | Meade | 12 | 0.9 |
| | | | POPULATION CATEGORY OVER 50,000 | | |
| | | | Christian | 98 | 2.7 |
| | | | Jefferson | 892 | 2.6 |
| | | | Laurel | 60 | 2.3 |
| | | | Madison | 82 | 2.3 |
| | | | Pike | 77 | 2.2 |
| | | | Fayette | 278 | 2.1 |
| | | | Boone | 86 | 2.0 |
| | | | Kenton | 152 | 2.0 |
| | | | McCracken | 67 | 2.0 |
| | | | Bullitt | 57 | 1.9 |
| | | | Warren | 85 | 1.8 |
| | | | Hardin | 76 | 1.6 |
| | | | Campbell | 67 | 1.5 |
| | | | Daviess | 67 | 1.5 |
| | | | Pulaski | 41 | 1.5 |

TABLE 50. SCHOOL BUS CRASH RATES BY CITY AND POPULATION CATEGORY
(IN ORDER OF DECREASING PERCENTAGES)(1997-2001)

| CITY | NUMBER OF CRASHES (1997-2001) | ANNUAL CRASH RATE (CRASHES PER 10,000 POPULATION) | CITY | NUMBER OF CRASHES (1997-2001) | ANNUAL CRASH RATE (CRASHES PER 10,000 POPULATION) |
|-----------------------------------|-------------------------------------|--|---------------------------------|-------------------------------------|--|
| POPULATION CATEGORY OVER 200,000 | | | POPULATION CATEGORY 2,500-4,999 | | |
| Louisville | 411 | 3.2 | Irvine | 7 | 4.9 |
| Lexington | 230 | 1.8 | Lancaster | 8 | 4.3 |
| POPULATION CATEGORY 20,000-55,000 | | | Tompkinsville | 5 | 3.8 |
| Hopkinsville | 59 | 3.9 | Hazard | 9 | 3.7 |
| Ashland | 28 | 2.5 | Barbourville | 6 | 3.3 |
| Paducah | 30 | 2.3 | Columbia | 6 | 3.0 |
| Frankfort | 31 | 2.2 | Scottsville | 6 | 2.8 |
| Richmond | 28 | 2.1 | Williamstown | 4 | 2.5 |
| Bowling Green | 49 | 2.0 | Morganfield | 4 | 2.3 |
| Florence | 23 | 2.0 | Prestonsburg | 4 | 2.2 |
| Covington | 39 | 1.8 | Carrollton | 4 | 2.1 |
| Henderson | 20 | 1.5 | Grayson | 4 | 2.1 |
| Radcliff | 16 | 1.5 | Beaver Dam | 3 | 2.0 |
| Elizabethtown | 16 | 1.4 | Paintsville | 3 | 1.5 |
| Jeffersonton | 15 | 1.1 | Lakeside Park | 2 | 1.4 |
| Owensboro | 24 | 0.9 | Benton | 3 | 1.4 |
| POPULATION CATEGORY 10,000-19,999 | | | Vine Grove | 3 | 1.4 |
| Nicholasville | 39 | 4.0 | Flemingsburg | 2 | 1.3 |
| Shively | 28 | 3.7 | Providence | 2 | 1.1 |
| Winchester | 27 | 3.2 | Ludlow | 2 | 0.9 |
| Shelbyville | 15 | 3.0 | Greenville | 2 | 0.9 |
| Independence | 20 | 2.7 | Cumberland | 1 | 0.8 |
| Somerset | 13 | 2.3 | Dawson Springs | 1 | 0.7 |
| Mayfield | 10 | 1.9 | Fulton | 1 | 0.7 |
| Bardstown | 10 | 1.9 | Southgate | 1 | 0.6 |
| Madisonville | 17 | 1.8 | Marion | 1 | 0.6 |
| Georgetown | 15 | 1.7 | Stanford | 1 | 0.6 |
| Middlesboro | 8 | 1.5 | | | |
| Campbellsville | 7 | 1.3 | | | |
| Danville | 9 | 1.2 | | | |
| Murray | 9 | 1.2 | | | |
| Glasgow | 7 | 1.1 | | | |
| Newport | 9 | 1.1 | | | |
| Erlanger | 9 | 1.1 | | | |
| Saint Matthews | 5 | 0.6 | | | |
| Fort Thomas | 3 | 0.4 | | | |
| POPULATION CATEGORY 5,000-9,999 | | | | | |
| London | 12 | 4.2 | | | |
| Morehead | 12 | 4.1 | | | |
| Monticello | 12 | 4.0 | | | |
| Pikeville | 12 | 3.8 | | | |
| Taylor Mill | 12 | 3.5 | | | |
| Mount Sterling | 9 | 3.1 | | | |
| Alexandria | 12 | 2.9 | | | |
| Versailles | 11 | 2.9 | | | |
| Maysville | 12 | 2.7 | | | |
| Paris | 11 | 2.4 | | | |
| Lawrenceburg | 10 | 2.2 | | | |
| Russellville | 8 | 2.2 | | | |
| Cynthiana | 7 | 2.2 | | | |
| La Grange | 6 | 2.1 | | | |
| Williamsburg | 5 | 1.9 | | | |
| Villa Hills | 7 | 1.8 | | | |
| Central City | 5 | 1.7 | | | |
| Harrodsburg | 6 | 1.5 | | | |
| Edgewood | 7 | 1.5 | | | |
| Shepherdsville | 6 | 1.4 | | | |
| Wilmore | 4 | 1.4 | | | |
| Corbin | 5 | 1.3 | | | |
| Mount Washington | 5 | 1.2 | | | |
| Fort Wright | 3 | 1.1 | | | |
| Dayton | 3 | 1.0 | | | |
| Berea | 4 | 0.8 | | | |
| Lebanon | 2 | 0.7 | | | |
| Leitchfield | 2 | 0.7 | | | |
| Highland Heights | 2 | 0.6 | | | |
| Bellevue | 2 | 0.6 | | | |
| Fort Mitchell | 2 | 0.5 | | | |
| Franklin | 1 | 0.3 | | | |
| Princeton | 1 | 0.3 | | | |
| Flatwoods | 1 | 0.3 | | | |
| Elsmere | 1 | 0.2 | | | |

TABLE 51. TRUCK CRASH RATES BY COUNTY AND POPULATION CATEGORY (IN ORDER OF DECREASING PERCENTAGES) (1997-2001)

| COUNTY | NUMBER OF CRASHES | ANNUAL CRASH RATE (CRASHES PER 10,000 POP.) | COUNTY | NUMBER OF CRASHES | ANNUAL CRASH RATE (CRASHES PER 10,000 POP.) |
|--|-------------------|---|--|-------------------|---|
| POPULATION CATEGORY UNDER 10,000 | | | POPULATION CATEGORY 15,000-24,999 | | |
| Gallatin | 158 | 40.2 | Simpson | 398 | 48.5 |
| Lyon | 140 | 34.7 | Rockcastle | 321 | 38.7 |
| Ballard | 143 | 34.5 | Grant | 429 | 38.3 |
| Fulton | 103 | 26.6 | Hart | 321 | 36.8 |
| McLean | 109 | 21.9 | Mason | 308 | 36.7 |
| Hancock | 88 | 21.0 | Henry | 260 | 34.5 |
| Trimble | 85 | 20.9 | Bourbon | 234 | 24.2 |
| Wolfe | 69 | 19.5 | Woodford | 267 | 23.0 |
| Bracken | 69 | 16.7 | Union | 167 | 21.4 |
| Livingston | 82 | 16.7 | Rowan | 228 | 20.6 |
| Crittenden | 77 | 16.4 | Lawrence | 160 | 20.6 |
| Hickman | 42 | 16.0 | Montgomery | 223 | 19.8 |
| Carlisle | 35 | 13.1 | Ohio | 226 | 19.7 |
| Elliott | 41 | 12.2 | Knott | 174 | 19.7 |
| Nicholas | 41 | 12.0 | Breathitt | 146 | 18.1 |
| Owsley | 28 | 11.5 | Grayson | 214 | 17.8 |
| Clinton | 55 | 11.4 | Adair | 148 | 17.2 |
| Cumberland | 30 | 8.4 | Mercer | 175 | 16.8 |
| Menifee | 24 | 7.3 | Harrison | 139 | 15.5 |
| Lee | 28 | 7.1 | Anderson | 146 | 15.3 |
| Robertson | 4 | 3.5 | Marion | 134 | 14.7 |
| POPULATION CATEGORY 10,000-14,999 | | | POPULATION CATEGORY 25,000-50,000 | | |
| Carroll | 251 | 49.4 | Allen | 126 | 14.2 |
| Webster | 223 | 31.6 | Lincoln | 148 | 12.7 |
| Bath | 133 | 24.0 | Johnson | 147 | 12.5 |
| Leslie | 142 | 22.9 | Taylor | 139 | 12.1 |
| Larue | 146 | 21.8 | Russell | 98 | 12.0 |
| Pendleton | 156 | 21.7 | Clay | 146 | 11.9 |
| Caldwell | 142 | 21.7 | Casey | 90 | 11.7 |
| Metcalfe | 100 | 19.9 | McCreary | 87 | 10.2 |
| Washington | 104 | 19.1 | Breckinridge | 94 | 10.1 |
| Lewis | 132 | 18.7 | Wayne | 90 | 9.0 |
| Todd | 107 | 17.9 | Estill | 66 | 8.6 |
| Trigg | 111 | 17.6 | POPULATION CATEGORY OVER 50,000 | | |
| Powell | 115 | 17.4 | Boone | 1,875 | 43.6 |
| Martin | 109 | 17.3 | Pike | 1,242 | 36.1 |
| Garrard | 110 | 14.9 | Laurel | 789 | 29.9 |
| Fleming | 98 | 14.2 | Kenton | 2,173 | 28.7 |
| Owen | 68 | 12.9 | Warren | 1,284 | 27.8 |
| Green | 68 | 11.8 | Madison | 957 | 27.0 |
| Butler | 76 | 11.7 | Fayette | 3,463 | 26.6 |
| Spencer | 61 | 10.4 | McCracken | 825 | 25.2 |
| Morgan | 72 | 10.3 | Jefferson | 8,675 | 25.0 |
| Monroe | 60 | 10.2 | Hardin | 982 | 20.9 |
| Magoffin | 68 | 10.2 | Christian | 755 | 20.9 |
| Edmonson | 59 | 10.1 | Daviess | 930 | 20.3 |
| Jackson | 56 | 8.3 | Campbell | 895 | 20.2 |
| | | | Bullitt | 589 | 19.2 |
| | | | Pulaski | 525 | 18.7 |

TABLE 52. MOTOR VEHICLE-TRAIN CRASH RATES BY COUNTY AND POPULATION CATEGORY
(IN ORDER OF DECREASING PERCENTAGES) (1997-2001)

| COUNTY | NUMBER OF CRASHES | ANNUAL CRASH RATE (CRASHES PER 10,000 POP.) | COUNTY | NUMBER OF CRASHES | ANNUAL CRASH RATE (CRASHES PER 10,000 POP.) |
|--|----------------------|--|--|----------------------|--|
| POPULATION CATEGORY UNDER 10,000 | | | POPULATION CATEGORY 15,000-24,999 (cont.) | | |
| Lee | 3 | 0.76 | Grayson | 2 | 0.17 |
| Bracken | 2 | 0.48 | Estill | 1 | 0.13 |
| Hickman | 1 | 0.38 | Breathitt | 1 | 0.12 |
| Fulton | 1 | 0.26 | Woodford | 1 | 0.09 |
| Gallatin | 1 | 0.25 | Casey | 0 | 0.00 |
| Lyon | 1 | 0.25 | Union | 0 | 0.00 |
| Hancock | 1 | 0.24 | Russell | 0 | 0.00 |
| Robertson | 0 | 0.00 | Adair | 0 | 0.00 |
| Owsley | 0 | 0.00 | Allen | 0 | 0.00 |
| Carlisle | 0 | 0.00 | Harrison | 0 | 0.00 |
| Menifee | 0 | 0.00 | Marion | 0 | 0.00 |
| Elliott | 0 | 0.00 | Breckinridge | 0 | 0.00 |
| Nicholas | 0 | 0.00 | Bourbon | 0 | 0.00 |
| Wolfe | 0 | 0.00 | Wayne | 0 | 0.00 |
| Cumberland | 0 | 0.00 | Rowan | 0 | 0.00 |
| Trimble | 0 | 0.00 | Montgomery | 0 | 0.00 |
| Ballard | 0 | 0.00 | Taylor | 0 | 0.00 |
| Crittenden | 0 | 0.00 | Clay | 0 | 0.00 |
| Clinton | 0 | 0.00 | POPULATION CATEGORY 25,000-49,999 | | |
| Livingston | 0 | 0.00 | Letcher | 6 | 0.47 |
| McLean | 0 | 0.00 | Hopkins | 11 | 0.47 |
| POPULATION CATEGORY 10,000 - 14,999 | | | Bell | 6 | 0.40 |
| Todd | 6 | 1.00 | Oldham | 9 | 0.39 |
| Lewis | 5 | 0.71 | Muhlenberg | 6 | 0.38 |
| Carroll | 2 | 0.39 | Perry | 5 | 0.34 |
| Webster | 2 | 0.28 | Knox | 5 | 0.31 |
| Martin | 1 | 0.16 | Henderson | 7 | 0.31 |
| Metcalfe | 0 | 0.00 | Shelby | 5 | 0.30 |
| Owen | 0 | 0.00 | Boyd | 7 | 0.28 |
| Washington | 0 | 0.00 | Whitley | 5 | 0.28 |
| Bath | 0 | 0.00 | Nelson | 5 | 0.27 |
| Green | 0 | 0.00 | Scott | 4 | 0.24 |
| Edmonson | 0 | 0.00 | Floyd | 5 | 0.24 |
| Monroe | 0 | 0.00 | Marshall | 2 | 0.13 |
| Spencer | 0 | 0.00 | Harlan | 2 | 0.12 |
| Leslie | 0 | 0.00 | Barren | 2 | 0.11 |
| Trigg | 0 | 0.00 | Clark | 1 | 0.06 |
| Butler | 0 | 0.00 | Calloway | 1 | 0.06 |
| Caldwell | 0 | 0.00 | Greenup | 1 | 0.05 |
| Powell | 0 | 0.00 | Jessamine | 1 | 0.05 |
| Magoffin | 0 | 0.00 | Meade | 0 | 0.00 |
| Larue | 0 | 0.00 | Logan | 0 | 0.00 |
| Jackson | 0 | 0.00 | Carter | 0 | 0.00 |
| Fleming | 0 | 0.00 | Boyle | 0 | 0.00 |
| Morgan | 0 | 0.00 | Graves | 0 | 0.00 |
| Pendleton | 0 | 0.00 | Franklin | 0 | 0.00 |
| Garrard | 0 | 0.00 | POPULATION CATEGORY 50,000 - OVER | | |
| POPULATION CATEGORY 15,000 - 24,999 | | | Pulaski | 6 | 0.21 |
| Grant | 12 | 1.07 | McCracken | 6 | 0.18 |
| Lincoln | 6 | 0.51 | Jefferson | 61 | 0.18 |
| Simpson | 4 | 0.49 | Bullitt | 5 | 0.16 |
| McCreary | 4 | 0.47 | Pike | 5 | 0.15 |
| Henry | 3 | 0.40 | Madison | 5 | 0.14 |
| Rockcastle | 3 | 0.36 | Christian | 5 | 0.14 |
| Hart | 3 | 0.34 | Daviess | 6 | 0.13 |
| Knott | 3 | 0.34 | Hardin | 6 | 0.13 |
| Anderson | 3 | 0.31 | Kenton | 9 | 0.12 |
| Lawrence | 2 | 0.26 | Boone | 4 | 0.09 |
| Johnson | 3 | 0.26 | Laurel | 2 | 0.08 |
| Mason | 2 | 0.24 | Campbell | 3 | 0.07 |
| Mercer | 2 | 0.19 | Warren | 3 | 0.06 |
| Ohio | 2 | 0.17 | Fayette | 7 | 0.05 |

TABLE 53. CRASHES INVOLVING VEHICLE DEFECT BEFORE AND AFTER REPEAL
OF VEHICLE INSPECTION LAW

| TIME PERIOD | TOTAL NUMBER OF CRASHES* | NUMBER OF CRASHES INVOLVING VEHICLE DEFECTS | PERCENT OF ALL CRASHES INVOLVING VEHICLE DEFECTS |
|---|-----------------------------|--|---|
| October 1976 - May 1978 (20 Months Before Repeal of Law) | 246,500 | 14,440 | 5.86 |
| June 1978 - December 1979 (19 Months After Repeal of Law) | 233,155 | 16,527 | 7.09 |
| 1980-1984 | 624,861 | 46,397 | 7.43 |
| 1985-1989 | 701,119 | 46,552 | 6.64 |
| 1990-1994 | 663,504 | 40,393 | 6.09 |
| 1995-1999 | 638,623 | 33,655 | 5.27 |
| 2000 | 131,027 | 6,481 | 4.95 |
| 2001 | 126,285 | 7,004 | 5.55 |

* Does not include crashes in which the vehicle defect code was unknown.

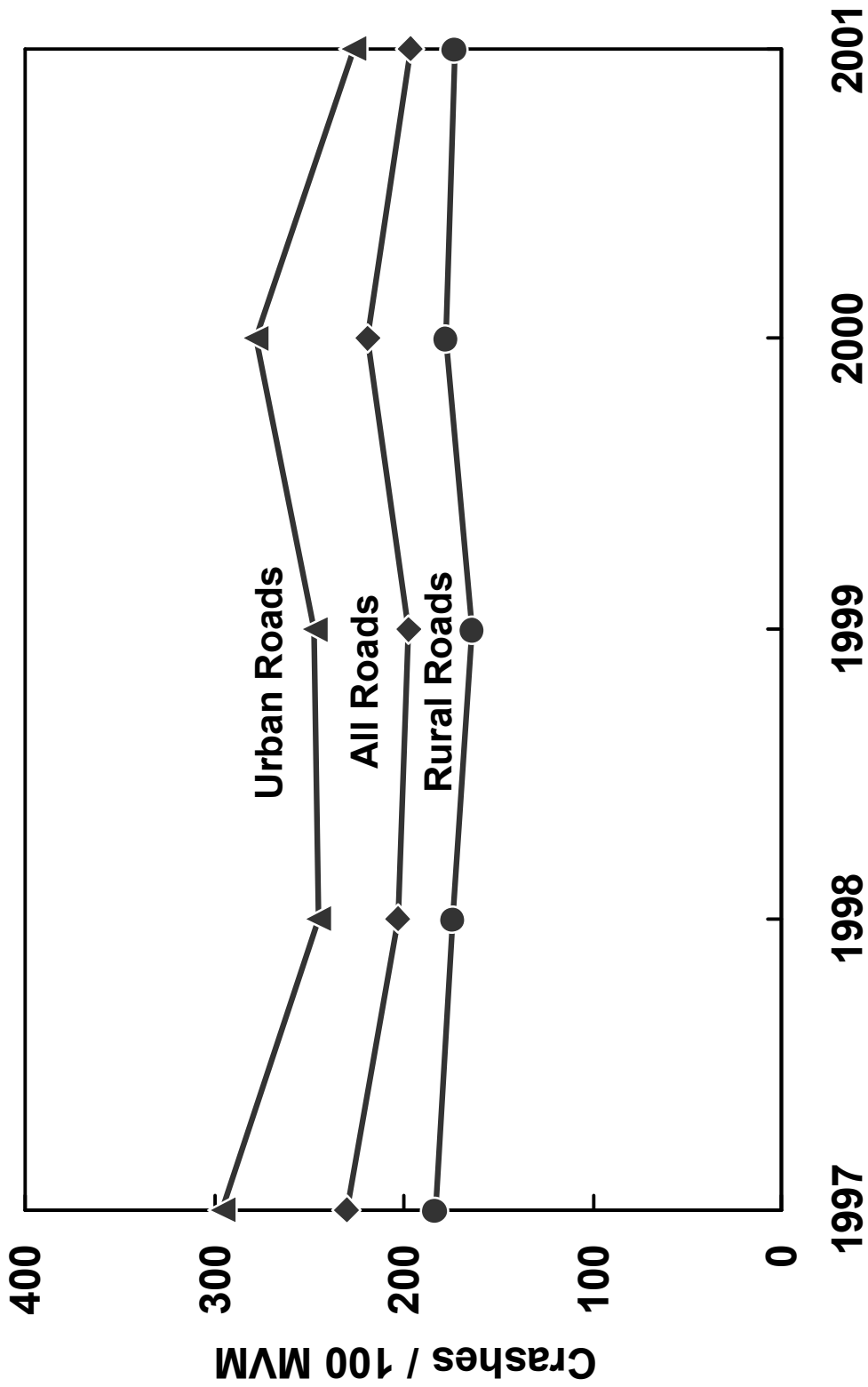
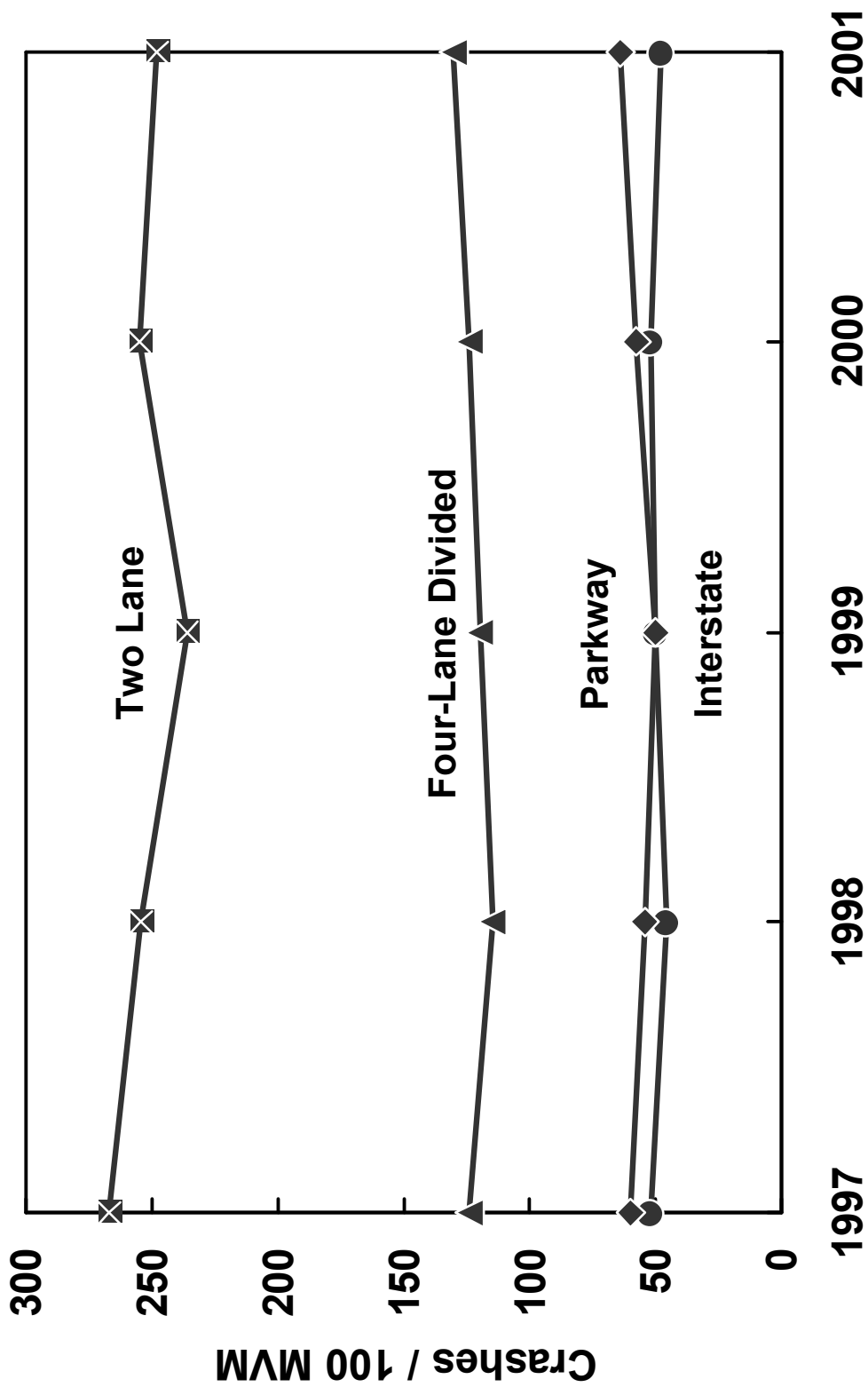
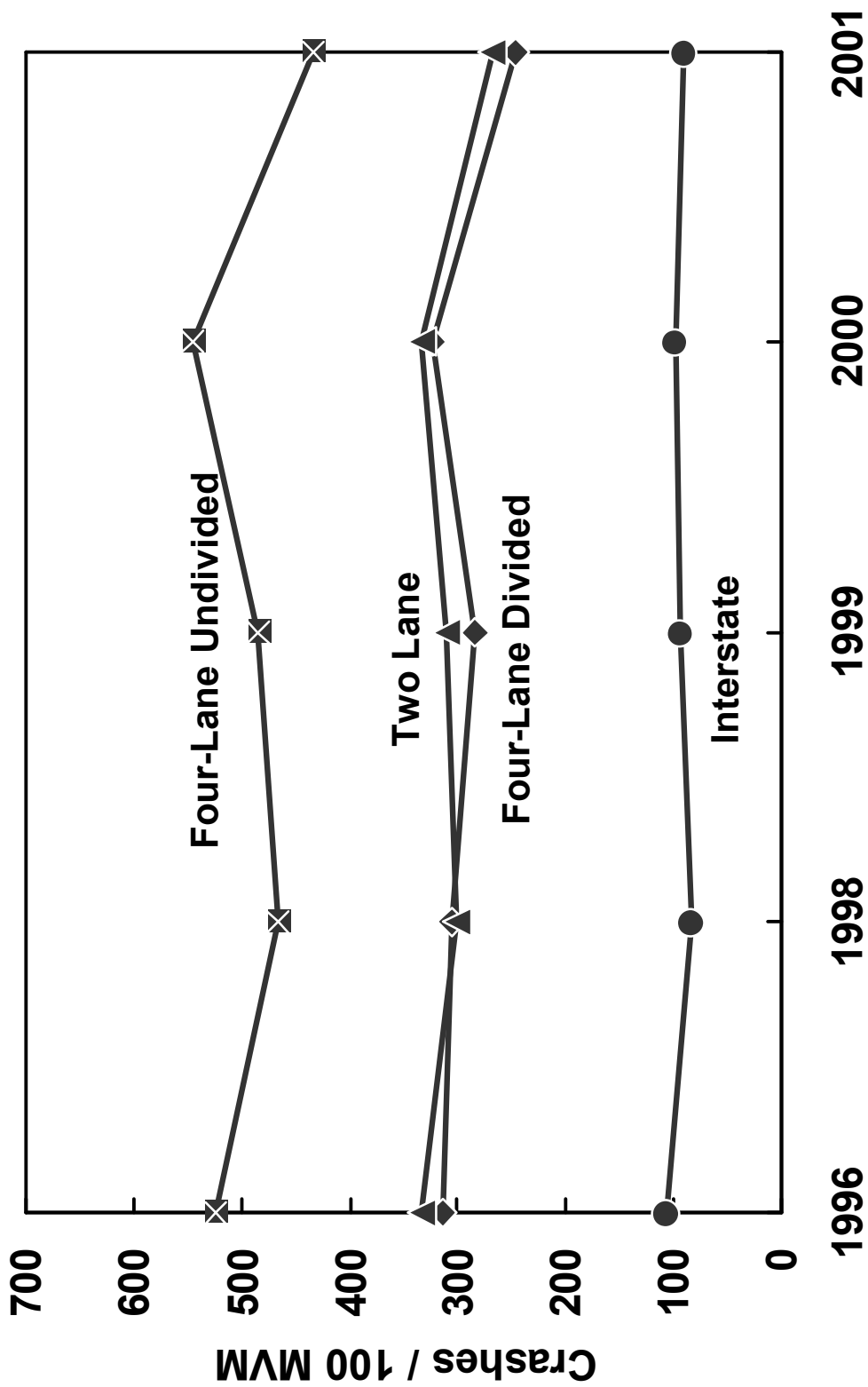


Figure 1. Trends in Crash Rates
(State-Maintained Roads)



**Figure 2. Trends in Rural Crash Rates
(State-Maintained Roads)**



**Figure 3. Trends in Urban Crash Rates
(State-Maintained Roads)**

APPENDIX A

STATEWIDE CRASH RATES AS A
FUNCTION OF SEVERAL VARIABLES

Highways are grouped into various system classifications. Three common types of groupings include: 1) functional classification, 2) federal-aid system, and 3) administrative classification. Statewide crash rates were determined for each of those groupings. The following is a summary of the findings.

Average statewide rates by functional classification are listed in Table A-1. Highways are grouped into a rural or urban category and then into systems such as arterial, collector, and local. Rates are determined considering all crashes, injury crashes only, and fatal crashes only. The highest overall crash rates are for urban principal arterials (non-interstate or freeway) followed by minor arterials. The lowest overall rates are for rural principal arterials (interstate) followed by urban principal arterials (interstate and other freeway). Rural principal arterials (non-interstate) also have a low total crash rate. Injury crash rates for the various categories are ordered similar to overall crash rates. However, the ordering for the fatal crash rates are very different. The highest fatal crash rates are for rural collectors and minor arterials. Urban principal arterials (interstate and other freeway) have the lowest fatal crash rate with several other urban classifications, as well as rural interstates, also having a low fatal crash rate.

Statewide crash rates by federal-aid system are shown in Table A-2. The highest rate is for the federal-aid urban system and the lowest rate is for the interstate system. The federal-aid primary (non-interstate), federal-aid secondary (rural), and non-federal-aid systems have relatively similar rates.

Statewide crash rates by administrative classification are listed in Table A-3. The rate for the primary system is lowest with the rate for the secondary system highest. Rates for the rural secondary and unclassified systems are between these two levels and are nearly the same.

The benefits of providing a median and increasing the median width are shown in Table A-4. The crash rate for rural highways having four or more lanes that are divided and have a median width of less than 30 feet is less than that for an undivided highway. The crash rate is decreased significantly more when comparing a highway which is divided with a median width of more than 30 feet to a highway having a median width of less than 30 feet.

The effect of access control is described in Table A-5. The large reduction in the crash rate for highways having full control of access compared to those with partial or no access control is shown. However, the crash rate for partial control of access is closer to no access control than to full access control.

An analysis of crash rates for rural highways by federal-aid system and terrain is presented in Table A-6. Each county was given a terrain classification as either flat, rolling, or mountainous since a classification was not available for each

road segment. Considering the entire system, the rates for flat and rolling terrains are similar with the rate for mountainous terrain substantially higher.

Rates by rural-urban designation are shown in Table A-7. The lowest rate is for rural areas. The rate for small urban areas is very similar to that for urbanized areas, although the average traffic volume is much higher in urbanized areas. The presence of more freeway-type highways in the urbanized areas may account for this finding.

The summary of crash rates by route signing identifier reveals that US-signed routes have a rate similar to that for state-marked routes, with interstates having a much lower rate (Table A-8). Although the geometric features on the US-signed routes would be expected to be superior than on state-marked routes, the US-signed routes have a higher average volume which may partially account for the similar crash rate.

The relationship between crash rate and traffic volume (average annual daily traffic) for various federal-aid highway classifications is illustrated in Table A-9. For interstates, which have high design criteria, the crash rate is fairly constant up until the volume range of over 40,000 vehicles per day where an increase occurred. For each of the other highway classifications, the highest rate is for the lowest volume category (AADT under 1,000). One reason for a high rate at low-volume locations is the fact that a few crashes may increase the rate substantially. Lower volume roads also are constructed to less stringent design guidelines, which could contribute to a higher crash rate.

The percentage of crashes occurring during wet or snow or icy pavement conditions or during darkness by rural or urban highway type classification is given in Table A-10. The overall percentage of crashes occurring during wet pavement conditions is 22 percent on both rural and urban roadways. There are large variations in the percentage of crashes occurring on the various highway types during snow or icy conditions. This percentage would change by year depending on the amount of snowfall any given year. The percentage on rural roads (4.4 percent) is substantially higher than that on urban roads (2.7 percent). The highest percentages are on interstates and parkways with the highest being about 9 percent. There are also large variations in the percentage of crashes occurring during darkness. The percentage is higher on rural roads (30 percent) than urban roads (22 percent). The highest percentages are on rural interstates and parkways with the highest being 43 percent. This would be expected given the amount of nighttime driving on these types of roadways.

TABLE A-1. STATEWIDE CRASH RATES BY FUNCTIONAL CLASSIFICATION (1997-2001)

| LOCATION | FUNCTIONAL CLASSIFICATION | AVERAGE TOTAL MILEAGE | AVERAGE AADT | CRASH RATES (CRASHES PER 100 MVM) | | |
|----------|-----------------------------------|--------------------------------|--------------|-----------------------------------|--------|-------|
| | | | | ALL | INJURY | FATAL |
| Rural | Principal Arterial, Interstate | 527 | 30,623 | 49 | 13 | 0.7 |
| | Principal Arterial, Other Freeway | 2,060 | 8,241 | 131 | 41 | 1.7 |
| | Minor Arterial | 1,610 | 4,289 | 245 | 77 | 2.6 |
| | Major Collector | 6,950 | 2,221 | 271 | 92 | 3.1 |
| | Minor Collector | 9,450 | 733 | 273 | 101 | 3.6 |
| | Local System | 4,505 | 509 | 215 | 73 | 2.3 |
| | Urban | Principal Arterial, Interstate | 227 | 68,622 | 94 | 22 |
| | Principal Arterial, Other Freeway | 93 | 24,509 | 103 | 24 | 0.5 |
| | Other Principal Arterial | 653 | 19,426 | 426 | 106 | 1.1 |
| | Minor Arterial | 1,074 | 9,752 | 361 | 90 | 0.9 |
| | Collector | 785 | 4,027 | 203 | 53 | 0.8 |
| | Local System | 116 | 2,146 | 233 | 61 | 1.1 |

TABLE A-2. STATEWIDE CRASH RATES BY FEDERAL-AID SYSTEM (1997-2001)

| FEDERAL-AID SYSTEM | TOTAL CRASHES | AVERAGE TOTAL MILEAGE | AVERAGE AADT | CRASH RATES (CRASHES PER 100 MVM) |
|---|---------------|-----------------------|--------------|-----------------------------------|
| | | | | |
| Interstate | 41,213 | 754 | 42,072 | 71 |
| Federal-Aid Primary (other than Interstate) | 133,851 | 3,988 | 8,469 | 217 |
| Federal-Aid Urban | 114,829 | 2,041 | 8,790 | 351 |
| Federal-Aid Secondary (Rural Only) | 82,031 | 7,118 | 2,328 | 271 |
| Non-Federal Aid | 35,117 | 9,538 | 743 | 272 |

TABLE A-3. STATEWIDE CRASH RATES BY ADMINISTRATIVE CLASSIFICATION (1997-2001)

| ADMINISTRATIVE CLASSIFICATION | TOTAL CRASHES | AVERAGE TOTAL MILEAGE | AVERAGE AADT | CRASH RATES (CRASHES PER 100 MVM) |
|-------------------------------|---------------|-----------------------|--------------|-----------------------------------|
| | | | | |
| Primary | 204,392 | 4,666 | 14,190 | 169 |
| Secondary | 169,273 | 6,737 | 3,479 | 396 |
| Rural Secondary | 49,497 | 12,159 | 787 | 283 |
| Unclassified | 8,085 | 2,259 | 734 | 267 |

TABLE A-4. STATEWIDE CRASH RATES BY MEDIAN TYPE
(RURAL ROADS WITH FOUR OR MORE LANES (1997-2001))

| MEDIAN TYPE | TOTAL CRASHES | AVERAGE TOTAL MILEAGE | AVERAGE AADT | CRASH RATES (CRASHES PER 100 MVM) |
|---|------------------|-----------------------------|-----------------|--------------------------------------|
| Undivided | 3,774 | 73 | 17,348 | 162 |
| Divided, Median Less Than 30 Feet, No Barrier | 5,055 | 218 | 12,623 | 101 |
| Divided, Median Greater Than 30 Feet, No Barrier | 22,484 | 1,311 | 18,272 | 51 |

TABLE A-5. STATEWIDE CRASH RATES BY ACCESS CONTROL (1997-2001)

| ACCESS CONTROL | TOTAL CRASHES | AVERAGE TOTAL MILEAGE | AVERAGE AADT | CRASH RATES (CRASHES PER 100 MVM) |
|-----------------|------------------|-----------------------------|-----------------|--------------------------------------|
| Full Control | 51,032 | 1,445 | 27,162 | 71 |
| Partial Control | 29,165 | 777 | 9,205 | 223 |
| No Control | 334,347 | 25,386 | 2,389 | 302 |

TABLE A-6. STATEWIDE CRASH RATES FOR RURAL HIGHWAYS BY FEDERAL-AID
SYSTEM AND TERRAIN (1997-2001)

| FEDERAL-AID SYSTEM | CRASH RATES BY TERRAIN CLASSIFICATION (CRASHES/100MVM) | | |
|-----------------------|---|---------|-------------|
| | FLAT | ROLLING | MOUNTAINOUS |
| Interstate | 55 | 56 | 47 |
| Federal-Aid Primary | 177 | 156 | 449 |
| Federal-Aid Secondary | 221 | 227 | 323 |
| Non Federal-Aid | 228 | 278 | 275 |
| All | 209 | 172 | 338 |

TABLE A-7. STATEWIDE CRASH RATES BY RURAL-URBAN DESIGNATION (1997-2001)

| AREA TYPE | TOTAL CRASHES | AVERAGE | | CRASH RATES (CRASHES PER 100 MVM) |
|------------------|------------------|------------------|-----------------|--------------------------------------|
| | | TOTAL MILEAGE | AVERAGE AADT | |
| Rural | 204,026 | 24,210 | 2,653 | 174 |
| Small Urban Area | 71,732 | 1,226 | 10,492 | 305 |
| Urbanized Area | 136,281 | 1,285 | 22,014 | 264 |

TABLE A-8. STATEWIDE CRASH RATES BY ROUTE SIGNING IDENTIFIER (1997-2001)

| ROUTE SIGNING IDENTIFIER | TOTAL CRASHES | AVERAGE | | CRASH RATES (CRASHES PER 100 MVM) |
|-----------------------------|------------------|------------------|-----------------|--------------------------------------|
| | | TOTAL MILEAGE | AVERAGE AADT | |
| Interstate | 41,213 | 754 | 42,061 | 71 |
| US | 160,710 | 3,551 | 8,016 | 309 |
| State | 211,944 | 22,154 | 2,019 | 260 |

TABLE A-9. RELATIONSHIP BETWEEN CRASH RATE AND TRAFFIC VOLUME (1997-2001)

| VOLUME RANGE (AADT) | CRASH RATES (CRASHES PER 100 MVM) | | | | |
|------------------------|--------------------------------------|------------------------|----------------------|--------------------------|--------------------|
| | INTERSTATE | FEDERAL-AID PRIMARY | FEDERAL-AID URBAN | FEDERAL-AID SECONDARY | NON-FEDERAL AID |
| 0-999 | * | 423 | 758 | 346 | 284 |
| 1,000-2,499 | * | 251 | 298 | 241 | 246 |
| 2,500-4,999 | * | 242 | 350 | 294 | 324 |
| 5,000-9,999 | 63 | 157 | 257 | 247 | 217 |
| 10,000-19,999 | 52 | 180 | 336 | 284 | 173 |
| 20,000-29,999 | 48 | 330 | 445 | 401 | * |
| 30,000-39,999 | 57 | 418 | 409 | * | * |
| 40,000 or more | 76 | 221 | 355 | * | * |

* No data in this volume range.

TABLE A-10. PERCENTAGE OF CRASHES OCCURRING DURING WET OR SNOW OR ICE PAVEMENT CONDITIONS OR DURING DARKNESS BY RURAL AND URBAN HIGHWAY TYPE CLASSIFICATION (1997-2001)

| LOCATION | HIGHWAY TYPE | PERCENT OF ALL CRASHES | | |
|----------|--|------------------------|-------------|----------|
| | | WET | SNOW OR ICE | DARKNESS |
| Rural | One-Lane | 15 | 1.4 | 26 |
| | Two-Lane | 23 | 4.2 | 30 |
| | Three-Lane | 17 | 2.5 | 24 |
| | Four-Lane Divided (Non-Interstate or Parkway) | 19 | 2.8 | 27 |
| | Four-Lane Undivided | 19 | 2.0 | 21 |
| | Interstate | 20 | 8.7 | 41 |
| | Parkway | 23 | 8.2 | 43 |
| | All Rural | 22 | 4.4 | 30 |
| Urban | Two-Lane | 23 | 2.6 | 17 |
| | Three-Lane | 24 | 2.1 | 109 |
| | Four-Lane Divided (Non-Interstate or Parkway) | 20 | 2.0 | 18 |
| | Four-Lane Undivided | 21 | 1.4 | 19 |
| | Interstate | 26 | 7.6 | 41 |
| | Parkway | 21 | 8.1 | 33 |
| | All Urban | 22 | 2.7 | 22 |

APPENDIX B

CRASH DATA FOR THREE-YEAR PERIOD (1999-2001)

TABLE B-1. STATEWIDE RURAL CRASH RATES BY HIGHWAY TYPE CLASSIFICATION (1999-2001)

| HIGHWAY TYPE | TOTAL MILEAGE* | AADT | CRASHES RATES (CRASHES PER 100 MVM) | | |
|--|----------------|--------|--|--------|-------|
| | | | ALL | INJURY | FATAL |
| One-Lane | 76 | 870 | 147 | 51 | 1.4 |
| Two-Lane | 23,357 | 1,600 | 246 | 82 | 2.9 |
| Three-Lane | 34 | 5,160 | 162 | 46 | 1.6 |
| Four-Lane Divided (Non-Interstate or Parkway) | 533 | 11,380 | 124 | 38 | 1.3 |
| Four-Lane Undivided | 47 | 14,920 | 281 | 63 | 1.2 |
| Interstate | 527 | 31,320 | 50 | 13 | 0.7 |
| Parkway | 565 | 9,260 | 58 | 15 | 0.7 |
| All | 25,140 | 2,630 | 171 | 55 | 2.0 |

* Average for the three years.

TABLE B-2. STATEWIDE URBAN CRASH RATES BY HIGHWAY TYPE CLASSIFICATION (1999-2001)

| HIGHWAY TYPE | TOTAL MILEAGE* | AADT | CRASHES RATES (CRASHES PER 100 MVM) | | |
|--|----------------|--------|--|--------|-------|
| | | | ALL | INJURY | FATAL |
| Two-Lane | 2,013 | 6,760 | 294 | 73 | 0.8 |
| Three-Lane | 33 | 12,080 | 479 | 96 | 1.4 |
| Four-Lane Divided (Non-Interstate or Parkway) | 385 | 24,350 | 293 | 74 | 0.9 |
| Four-Lane Undivided | 278 | 19,400 | 488 | 116 | 1.2 |
| Interstate | 246 | 65,670 | 94 | 22 | 0.4 |
| Parkway | 52 | 11,790 | 105 | 23 | 1.0 |
| All ** | 3,033 | 15,300 | 250 | 60 | 0.7 |

* Average for the three years.

** Includes small number of one-, five-, and six-lane highways.

TABLE B-3. STATEWIDE CRASH RATES FOR "SPOTS" BY HIGHWAY TYPE CLASSIFICATION (1999-2001)

| RURAL OR URBAN | HIGHWAY TYPE | NUMBER OF CRASHES | NUMBER OF SPOTS* | MILLION VEHICLES PER YEAR | CRASHES PER MILLION VEHICLES PER SPOT |
|----------------------|--|----------------------|---------------------|---------------------------------|--|
| Rural | One-Lane | 107 | 254 | 0.32 | 0.44 |
| | Two-Lane | 100,770 | 77,857 | 0.58 | 0.74 |
| | Three-Lane | 311 | 113 | 1.88 | 0.49 |
| | Four-Lane Divided (Non-Interstate or Parkway) | 8,260 | 1,776 | 4.15 | 0.37 |
| | Four-Lane Undivided | 2,144 | 156 | 5.45 | 0.84 |
| | Interstate | 9,011 | 1,758 | 11.43 | 0.15 |
| | Parkway | 3,340 | 1,884 | 3.38 | 0.17 |
| | All Rural | 123,943 | 83,800 | 0.96 | 0.51 |
| | Urban | Two-Lane | 43,825 | 6,710 | 2.47 |
| Three-Lane | | 2,076 | 109 | 4.41 | 1.44 |
| Four-Lane Divided | | 30,071 | 1,283 | 8.89 | 0.88 |
| Four-Lane Undivided | | 28,853 | 927 | 7.08 | 1.47 |
| Interstate | | 16,664 | 820 | 23.97 | 0.28 |
| Parkway | | 703 | 173 | 4.30 | 0.32 |
| All Urban** | | 126,972 | 10,111 | 5.58 | 0.75 |

* Average for the three years. The length of a spot is defined to be 0.3 mile.

** Includes small number of miles of one-, five-, and six-lane highways.

TABLE B-4. STATEWIDE AVERAGE AND CRITICAL NUMBERS OF CRASHES FOR "SPOTS" AND ONE-MILE SECTIONS BY HIGHWAY TYPE CLASSIFICATION (1999-2001)

| RURAL OR URBAN | HIGHWAY TYPE | CRASHES PER SPOT* | | CRASHES PER ONE MILE SECTION | |
|----------------------|--|-------------------|--------------------|---------------------------------|--------------------|
| | | AVERAGE | CRITICAL NUMBER | AVERAGE | CRITICAL NUMBER |
| Rural | One-Lane | 0.42 | 3 | 1.40 | 5 |
| | Two-Lane | 1.29 | 5 | 4.31 | 10 |
| | Three-Lane | 2.74 | 8 | 9.15 | 17 |
| | Four-Lane Divided (Non-Interstate or Parkway) | 4.65 | 11 | 15.51 | 26 |
| | Four-Lane Undivided | 13.78 | 24 | 45.94 | 64 |
| | Interstate | 5.13 | 11 | 17.09 | 28 |
| | Parkway | 1.77 | 6 | 5.91 | 13 |
| | All Rural | 1.48 | 5 | 4.93 | 11 |
| | Urban | Two-Lane | 6.53 | 14 | 21.77 |
| Three-Lane | | 18.99 | 31 | 63.31 | 84 |
| Four-Lane Divided | | 23.44 | 36 | 78.15 | 101 |
| Four-Lane Undivided | | 31.12 | 46 | 103.73 | 130 |
| Interstate | | 20.33 | 32 | 67.77 | 89 |
| Parkway | | 4.07 | 10 | 13.57 | 24 |
| All Urban** | | 12.56 | 22 | 41.86 | 59 |

* The length of a spot is defined to be 0.3 mile.

** Includes small number of miles of one-, five-, and six-lane highways.

TABLE B-5. STATEWIDE CRASH RATES FOR 0.1 MILE "SPOTS" BY HIGHWAY TYPE CLASSIFICATION (1999-2001)

| RURAL OR URBAN | HIGHWAY TYPE | NUMBER OF CRASHES | NUMBER OF SPOTS* | MILLION VEHICLES PER YEAR | CRASHES PER MILLION VEHICLES PER SPOT |
|----------------------|--|----------------------|---------------------|---------------------------------|--|
| Rural | One-Lane | 107 | 763 | 0.32 | 0.15 |
| | Two-Lane | 100,770 | 233,570 | 0.58 | 0.25 |
| | Three-Lane | 311 | 340 | 1.88 | 0.16 |
| | Four-Lane Divided (Non-Interstate or Parkway) | 8,260 | 5,327 | 4.15 | 0.12 |
| | Four-Lane Undivided | 2,144 | 467 | 5.45 | 0.28 |
| | Interstate | 9,011 | 5,273 | 11.43 | 0.05 |
| | Parkway | 3,340 | 5,653 | 3.38 | 0.06 |
| | All Rural | 123,943 | 251,400 | 0.96 | 0.17 |
| | Urban | Two-Lane | 43,825 | 20,130 | 2.47 |
| Three-Lane | | 2,076 | 328 | 4.41 | 0.48 |
| Four-Lane Divided | | 30,071 | 3,848 | 8.89 | 0.29 |
| Four-Lane Undivided | | 28,853 | 2,782 | 7.08 | 0.49 |
| Interstate | | 16,664 | 2,459 | 23.97 | 0.09 |
| Parkway | | 703 | 518 | 4.30 | 0.11 |
| All Urban** | | 126,972 | 30,332 | 5.58 | 0.25 |

* Average for the three years. The length of a spot is defined to be 0.1 mile.

** Includes small number of miles of one-, five-, and six-lane highways.

TABLE B-6. STATEWIDE AVERAGE AND CRITICAL NUMBERS OF CRASHES FOR 0.1 MILE "SPOTS" AND ONE-MILE SECTIONS BY HIGHWAY TYPE CLASSIFICATION (1999-2001)

| RURAL OR URBAN | HIGHWAY TYPE | CRASHES PER SPOT* | | CRASHES PER ONE MILE SECTION | |
|----------------------|--|-------------------|--------------------|---------------------------------|--------------------|
| | | AVERAGE | CRITICAL NUMBER | AVERAGE | CRITICAL NUMBER |
| Rural | One-Lane | 0.14 | 2 | 1.40 | 5 |
| | Two-Lane | 0.43 | 3 | 4.31 | 10 |
| | Three-Lane | 0.91 | 4 | 9.15 | 17 |
| | Four-Lane Divided (Non-Interstate or Parkway) | 1.55 | 5 | 15.51 | 26 |
| | Four-Lane Undivided | 4.59 | 11 | 45.94 | 64 |
| | Interstate | 1.71 | 6 | 17.09 | 28 |
| | Parkway | 0.59 | 3 | 5.91 | 13 |
| | All Rural | 0.49 | 3 | 4.93 | 11 |
| | Urban | Two-Lane | 2.18 | 6 | 21.77 |
| Three-Lane | | 6.33 | 13 | 63.31 | 84 |
| Four-Lane Divided | | 7.81 | 16 | 78.15 | 101 |
| Four-Lane Undivided | | 10.37 | 19 | 103.73 | 130 |
| Interstate | | 6.78 | 14 | 67.77 | 89 |
| Parkway | | 1.36 | 5 | 13.57 | 24 |
| All Urban** | | 4.19 | 10 | 41.86 | 59 |

* The length of a spot is defined to be 0.1 mile.

** Includes small number of miles of one-, five-, and six-lane highways.

TABLE B-7. CRITICAL CRASH RATES FOR 0.1 MILE "SPOTS" ON RURAL ONE-LANE, TWO-LANE AND THREE-LANE HIGHWAYS (THREE-YEAR PERIOD)(1999-2001)

| AADT | CRITICAL CRASH RATE (C/MV) | | |
|--------|----------------------------|----------|------------|
| | BY HIGHWAY TYPE | | |
| | ONE-LANE | TWO-LANE | THREE-LANE |
| 100 | 7.73 | 8.71 | 7.84 |
| 500 | 2.41 | 2.90 | 2.47 |
| 1,000 | 1.56 | 1.94 | 1.60 |
| 2,500 | 0.94 | 1.21 | 0.97 |
| 5,000 | 0.67 | 0.89 | 0.69 |
| 7,500 | 0.56 | 0.76 | 0.58 |
| 10,000 | 0.50 | 0.68 | 0.52 |
| 15,000 | 0.43 | 0.60 | 0.44 |
| 20,000 | 0.39 | 0.55 | 0.40 |

TABLE B-8. CRITICAL CRASH RATES FOR 0.1 MILE "SPOTS" ON RURAL FOUR-LANE HIGHWAYS, INTERSTATES, AND PARKWAYS (THREE-YEAR PERIOD)(1999-2001)

| AADT | CRITICAL CRASH RATE (C/MV) | | | |
|--------|--|------------------------|------------|---------|
| | BY HIGHWAY TYPE | | | |
| | FOUR-LANE DIVIDED (NON-INTERSTATE AND PARKWAY) | FOUR-LANE UNDIVIDED | INTERSTATE | PARKWAY |
| 500 | 2.24 | 3.04 | 1.74 | 1.83 |
| 1,000 | 1.43 | 2.04 | 1.06 | 1.12 |
| 2,500 | 0.84 | 1.29 | 0.58 | 0.62 |
| 5,000 | 0.59 | 0.95 | 0.39 | 0.42 |
| 10,000 | 0.44 | 0.74 | 0.27 | 0.30 |
| 15,000 | 0.37 | 0.65 | 0.22 | 0.25 |
| 20,000 | 0.33 | 0.59 | 0.20 | 0.22 |
| 30,000 | 0.29 | 0.53 | 0.17 | 0.19 |
| 40,000 | 0.27 | 0.50 | 0.15 | 0.17 |
| 50,000 | 0.25 | 0.47 | 0.14 | 0.15 |

TABLE B-9. CRITICAL CRASH RATES FOR 0.1 MILE "SPOTS" ON URBAN
TWO-LANE AND THREE-LANE HIGHWAYS (THREE-YEAR PERIOD)(1999-2001)

| AADT | CRITICAL CRASH RATE (C/MV) | |
|--------|----------------------------|------------|
| | BY HIGHWAY TYPE | |
| | TWO-LANE | THREE-LANE |
| 500 | 3.08 | 3.81 |
| 1,000 | 2.07 | 2.64 |
| 2,500 | 1.31 | 1.74 |
| 5,000 | 0.97 | 1.33 |
| 7,500 | 0.83 | 1.16 |
| 10,000 | 0.75 | 1.06 |
| 15,000 | 0.66 | 0.95 |
| 20,000 | 0.61 | 0.88 |
| 30,000 | 0.55 | 0.81 |
| 40,000 | 0.51 | 0.76 |

TABLE B-10. CRITICAL CRASH RATES FOR 0.1 MILE "SPOTS" ON URBAN FOUR-LANE HIGHWAYS,
INTERSTATES, AND PARKWAYS (THREE-YEAR PERIOD)(1999-2001)

| AADT | CRITICAL CRASH RATE (C/MV) | | | |
|---------|--|------------------------|------------|---------|
| | BY HIGHWAY TYPE | | | |
| | FOUR-LANE DIVIDED (NON-INTERSTATE AND PARKWAY) | FOUR-LANE UNDIVIDED | INTERSTATE | PARKWAY |
| 1,000 | 2.07 | 2.67 | 1.29 | 1.38 |
| 5,000 | 0.97 | 1.35 | 0.51 | 0.57 |
| 10,000 | 0.75 | 1.08 | 0.37 | 0.41 |
| 15,000 | 0.66 | 0.97 | 0.31 | 0.35 |
| 20,000 | 0.61 | 0.90 | 0.28 | 0.32 |
| 30,000 | 0.55 | 0.82 | 0.24 | 0.27 |
| 40,000 | 0.51 | 0.77 | 0.22 | 0.25 |
| 50,000 | 0.49 | 0.74 | 0.20 | 0.23 |
| 60,000 | 0.47 | 0.72 | 0.19 | 0.22 |
| 70,000 | 0.45 | 0.70 | 0.18 | 0.21 |
| 80,000 | 0.44 | 0.69 | 0.18 | 0.21 |
| 90,000 | 0.43 | 0.68 | 0.17 | 0.20 |
| 100,000 | 0.43 | 0.67 | 0.17 | 0.20 |

APPENDIX C
CRITICAL "NUMBERS OF CRASHES" TABLES

TABLE C-1. CRITICAL NUMBERS OF CRASH RATES ON RURAL HIGHWAYS BY HIGHWAY TYPE AND SECTION LENGTH (1997-2001)

| HIGHWAY TYPE | CRITICAL NUMBERS OF CRASHES FOR THE GIVEN SECTION LENGTH (MILES) | | | | | | |
|---|--|----|-----|-----|-----|-------|-------|
| | 0.4 | 1 | 2 | 5 | 10 | 15 | 20 |
| One-Lane | 4 | 7 | 12 | 23 | 41 | 57 | 73 |
| Two-Lane | 8 | 15 | 25 | 53 | 97 | 139 | 180 |
| Three-Lane | 17 | 35 | 61 | 137 | 258 | 377 | 494 |
| Four-Lane Divided (Non-Interstate and Parkway) | 19 | 39 | 70 | 156 | 295 | 431 | 566 |
| Four-Lane Undivided | 44 | 95 | 177 | 414 | 798 | 1,178 | 1,555 |
| Interstate | 20 | 42 | 75 | 169 | 320 | 467 | 613 |
| Parkway | 9 | 18 | 31 | 66 | 121 | 174 | 226 |

TABLE C-2. CRITICAL NUMBERS OF CRASH RATES ON URBAN HIGHWAYS BY HIGHWAY TYPE AND SECTION LENGTH (1997-2001)

| HIGHWAY TYPE | CRITICAL NUMBERS OF CRASHES FOR THE GIVEN SECTION LENGTH (MILES) | | | | | |
|--|--|-----|-----|-----|-------|-------|
| | 0.4 | 1 | 2 | 5 | 8 | 10 |
| Two-Lane | 26 | 55 | 100 | 229 | 354 | 437 |
| Three-Lane (Non-Interstate and Parkway) | 62 | 138 | 260 | 615 | 963 | 1,194 |
| Four-Lane Divided | 73 | 164 | 311 | 737 | 1,157 | 1,435 |
| Four-Lane Undivided | 93 | 211 | 401 | 958 | 1,507 | 1,871 |
| Interstate | 62 | 139 | 261 | 616 | 965 | 1,196 |
| Parkway | 17 | 35 | 63 | 140 | 214 | 263 |

APPENDIX D
CRITICAL CRASH RATE TABLES
FOR HIGHWAY SECTIONS

TABLE D-1. CRITICAL CRASH RATES FOR RURAL ONE-LANE SECTIONS (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/100 MVM) FOR THE GIVEN SECTION LENGTH (MILES) | | | | |
|-------|--|-------|-----|-----|-----|
| | 0.5 | 1 | 2 | 5 | 10 |
| 100 | 1,800 | 1,207 | 845 | 562 | 434 |
| 200 | 1,207 | 845 | 617 | 434 | 349 |
| 300 | 975 | 699 | 523 | 380 | 313 |
| 400 | 845 | 617 | 470 | 349 | 292 |
| 500 | 760 | 562 | 434 | 328 | 278 |
| 700 | 653 | 493 | 389 | 301 | 259 |
| 1,000 | 562 | 434 | 349 | 278 | 243 |
| 1,500 | 481 | 380 | 313 | 256 | 228 |
| 2,000 | 434 | 349 | 292 | 243 | 219 |
| 2,500 | 403 | 328 | 278 | 234 | 213 |
| 3,000 | 380 | 313 | 267 | 228 | 209 |

TABLE D-2. CRITICAL CRASH RATES FOR RURAL TWO-LANE SECTIONS (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/100 MVM) FOR THE GIVEN SECTION LENGTH (MILES) | | | | | |
|--------|--|-------|-------|-----|-----|-----|
| | 0.5 | 1 | 2 | 5 | 10 | 20 |
| 100 | 2,153 | 1,483 | 1,065 | 734 | 582 | 479 |
| 300 | 1,216 | 895 | 688 | 517 | 436 | 380 |
| 500 | 966 | 734 | 582 | 454 | 393 | 350 |
| 1,000 | 734 | 582 | 479 | 393 | 350 | 321 |
| 1,500 | 638 | 517 | 436 | 366 | 332 | 308 |
| 2,000 | 582 | 479 | 410 | 350 | 321 | 300 |
| 3,000 | 517 | 436 | 380 | 332 | 308 | 291 |
| 4,000 | 479 | 410 | 362 | 321 | 300 | 286 |
| 5,000 | 454 | 393 | 350 | 313 | 295 | 282 |
| 7,000 | 421 | 370 | 335 | 304 | 288 | 278 |
| 8,000 | 410 | 362 | 329 | 300 | 286 | 276 |
| 9,000 | 400 | 356 | 325 | 297 | 284 | 274 |
| 10,000 | 393 | 350 | 321 | 295 | 282 | 273 |

TABLE D-3. CRITICAL CRASH RATES FOR RURAL THREE-LANE SECTIONS (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/100 MVM) FOR THE GIVEN SECTION LENGTH (MILES) | | | | |
|--------|--|-------|-------|-----|-----|
| | 0.5 | 1 | 2 | 3 | 5 |
| 100 | 2,082 | 1,427 | 1,020 | 855 | 699 |
| 300 | 1,167 | 855 | 654 | 570 | 489 |
| 500 | 924 | 699 | 551 | 489 | 428 |
| 1,000 | 699 | 551 | 452 | 410 | 368 |
| 1,500 | 605 | 489 | 410 | 376 | 343 |
| 2,000 | 551 | 452 | 385 | 356 | 328 |
| 3,000 | 489 | 410 | 356 | 333 | 310 |
| 4,000 | 452 | 385 | 339 | 319 | 299 |
| 5,000 | 428 | 368 | 328 | 310 | 292 |
| 6,000 | 410 | 356 | 319 | 303 | 287 |
| 7,000 | 396 | 347 | 312 | 298 | 283 |
| 8,000 | 385 | 339 | 307 | 293 | 279 |
| 9,000 | 376 | 333 | 303 | 290 | 277 |
| 10,000 | 368 | 328 | 299 | 287 | 274 |

TABLE D-4. CRITICAL CRASH RATES FOR RURAL FOUR-LANE DIVIDED SECTIONS
(NON-INTERSTATE AND PARKWAY) (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/100 MVM) FOR THE GIVEN SECTION LENGTH (MILES) | | | | |
|--------|---|-----|-----|-----|-----|
| | 0.5 | 1 | 2 | 5 | 10 |
| 500 | 655 | 476 | 361 | 267 | 223 |
| 1,000 | 476 | 361 | 286 | 223 | 192 |
| 2,500 | 333 | 267 | 223 | 185 | 166 |
| 5,000 | 267 | 223 | 192 | 166 | 153 |
| 7,500 | 239 | 203 | 179 | 158 | 147 |
| 10,000 | 223 | 192 | 171 | 153 | 144 |
| 15,000 | 203 | 179 | 162 | 147 | 140 |
| 20,000 | 192 | 171 | 157 | 144 | 138 |
| 30,000 | 179 | 162 | 150 | 140 | 135 |
| 40,000 | 171 | 157 | 147 | 138 | 133 |
| 50,000 | 166 | 153 | 144 | 136 | 132 |

TABLE D-5. CRITICAL CRASH RATES FOR RURAL FOUR-LANE UNDIVIDED
SECTIONS (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/100 MVM) FOR THE GIVEN SECTION LENGTH (MILES) | | | | |
|--------|---|-----|-----|-----|-----|
| | 0.5 | 1 | 2 | 5 | 10 |
| 500 | 993 | 757 | 601 | 471 | 408 |
| 1,000 | 757 | 601 | 497 | 408 | 364 |
| 2,500 | 563 | 471 | 408 | 354 | 327 |
| 5,000 | 471 | 408 | 364 | 327 | 308 |
| 7,500 | 431 | 381 | 346 | 315 | 300 |
| 10,000 | 408 | 364 | 334 | 308 | 295 |
| 20,000 | 364 | 334 | 313 | 295 | 286 |
| 30,000 | 346 | 321 | 304 | 289 | 282 |
| 40,000 | 334 | 313 | 299 | 286 | 279 |
| 50,000 | 327 | 308 | 295 | 284 | 278 |

TABLE D-6. CRITICAL CRASH RATES FOR RURAL INTERSTATE
SECTIONS (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/100 MVM) FOR THE GIVEN SECTION LENGTH (MILES) | | | | | |
|--------|---|-----|-----|-----|-----|----|
| | 0.5 | 1 | 2 | 5 | 10 | 20 |
| 500 | 427 | 294 | 211 | 145 | 115 | 95 |
| 1,000 | 294 | 211 | 158 | 115 | 95 | 81 |
| 2,500 | 191 | 145 | 115 | 90 | 77 | 69 |
| 5,000 | 145 | 115 | 95 | 77 | 69 | 63 |
| 7,500 | 126 | 102 | 86 | 72 | 65 | 61 |
| 10,000 | 115 | 95 | 81 | 69 | 63 | 59 |
| 20,000 | 95 | 81 | 71 | 63 | 59 | 56 |
| 30,000 | 86 | 75 | 67 | 61 | 57 | 55 |
| 40,000 | 81 | 71 | 65 | 59 | 56 | 54 |
| 50,000 | 77 | 69 | 63 | 58 | 56 | 54 |

TABLE D-7. CRITICAL CRASH RATES FOR RURAL PARKWAY SECTIONS (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/100 MVM) FOR THE GIVEN SECTION LENGTH (MILES) | | | | | |
|--------|--|-----|-----|-----|-----|-----|
| | 0.5 | 1 | 2 | 5 | 10 | 20 |
| 400 | 519 | 355 | 254 | 174 | 137 | 112 |
| 700 | 381 | 270 | 200 | 143 | 116 | 98 |
| 1,000 | 317 | 230 | 174 | 128 | 106 | 91 |
| 1,500 | 262 | 194 | 151 | 114 | 97 | 85 |
| 2,000 | 230 | 174 | 137 | 106 | 91 | 81 |
| 3,000 | 194 | 151 | 121 | 97 | 85 | 77 |
| 4,000 | 174 | 137 | 112 | 91 | 81 | 74 |
| 5,000 | 160 | 128 | 106 | 88 | 79 | 72 |
| 7,000 | 143 | 116 | 98 | 83 | 75 | 70 |
| 10,000 | 128 | 106 | 91 | 79 | 72 | 68 |
| 20,000 | 106 | 91 | 81 | 72 | 68 | 65 |
| 40,000 | 91 | 81 | 74 | 68 | 65 | 63 |

TABLE D-8. CRITICAL CRASH RATES FOR URBAN TWO-LANE SECTIONS (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/100 MVM) FOR THE GIVEN SECTION LENGTH (MILES) | | | | |
|--------|--|-----|-----|-----|-----|
| | 0.5 | 1 | 2 | 5 | 10 |
| 500 | 1,088 | 837 | 671 | 531 | 464 |
| 1,000 | 837 | 671 | 559 | 464 | 417 |
| 2,500 | 630 | 531 | 464 | 405 | 376 |
| 5,000 | 531 | 464 | 417 | 376 | 356 |
| 7,500 | 489 | 434 | 397 | 364 | 347 |
| 10,000 | 464 | 417 | 385 | 356 | 342 |
| 15,000 | 434 | 397 | 370 | 347 | 336 |
| 20,000 | 417 | 385 | 362 | 342 | 332 |
| 30,000 | 397 | 370 | 352 | 336 | 328 |
| 40,000 | 385 | 362 | 346 | 332 | 325 |
| 50,000 | 376 | 356 | 342 | 330 | 323 |

TABLE D-9. CRITICAL CRASH RATES FOR URBAN THREE-LANE SECTIONS (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/100 MVM) FOR THE GIVEN SECTION LENGTH (MILES) | | | | |
|--------|--|-------|-----|-----|-----|
| | 0.5 | 1 | 2 | 5 | 10 |
| 500 | 1,456 | 1,153 | 949 | 776 | 692 |
| 1,000 | 1,153 | 949 | 811 | 692 | 634 |
| 2,500 | 899 | 776 | 692 | 619 | 583 |
| 5,000 | 776 | 692 | 634 | 583 | 557 |
| 7,500 | 724 | 656 | 608 | 567 | 546 |
| 10,000 | 692 | 634 | 593 | 557 | 540 |
| 15,000 | 656 | 608 | 575 | 546 | 532 |
| 20,000 | 634 | 593 | 565 | 540 | 527 |
| 30,000 | 608 | 575 | 552 | 532 | 521 |
| 40,000 | 593 | 565 | 545 | 527 | 518 |
| 50,000 | 583 | 557 | 540 | 524 | 516 |

TABLE D-10. CRITICAL CRASH RATES FOR URBAN FOUR-LANE DIVIDED SECTIONS
(NON-INTERSTATE AND PARKWAY) (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/100 MVM) FOR THE GIVEN SECTION LENGTH (MILES) | | | | |
|--------|---|-----|-----|-----|-----|
| | 0.5 | 1 | 2 | 5 | 10 |
| 1,000 | 835 | 669 | 557 | 462 | 416 |
| 2,500 | 628 | 529 | 462 | 404 | 375 |
| 5,000 | 529 | 462 | 416 | 375 | 355 |
| 10,000 | 462 | 416 | 383 | 355 | 341 |
| 15,000 | 433 | 395 | 369 | 346 | 335 |
| 20,000 | 416 | 383 | 361 | 341 | 331 |
| 25,000 | 404 | 375 | 355 | 337 | 328 |
| 30,000 | 395 | 369 | 351 | 335 | 327 |
| 40,000 | 383 | 361 | 345 | 331 | 324 |
| 50,000 | 375 | 355 | 341 | 328 | 322 |
| 60,000 | 369 | 351 | 338 | 327 | 321 |

TABLE D-11. CRITICAL CRASH RATES FOR URBAN FOUR-LANE UNDIVIDED
SECTIONS (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/100 MVM) FOR THE GIVEN SECTION LENGTH (MILES) | | | | |
|--------|---|-----|-----|-----|-----|
| | 0.5 | 1 | 2 | 5 | 10 |
| 1,000 | 1,157 | 953 | 815 | 696 | 637 |
| 2,500 | 903 | 780 | 696 | 622 | 586 |
| 5,000 | 780 | 696 | 637 | 586 | 560 |
| 10,000 | 696 | 637 | 596 | 560 | 542 |
| 15,000 | 659 | 611 | 578 | 549 | 534 |
| 20,000 | 637 | 596 | 568 | 542 | 530 |
| 25,000 | 622 | 586 | 560 | 538 | 527 |
| 30,000 | 611 | 578 | 555 | 534 | 524 |
| 40,000 | 596 | 568 | 548 | 530 | 521 |
| 50,000 | 586 | 560 | 542 | 527 | 519 |
| 60,000 | 578 | 555 | 539 | 524 | 517 |

TABLE D-12. CRITICAL CRASH RATES FOR URBAN INTERSTATE
SECTIONS (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/100 MVM) FOR THE GIVEN SECTION LENGTH (MILES) | | | | |
|---------|---|-----|-----|-----|-----|
| | 0.5 | 1 | 2 | 5 | 10 |
| 1,000 | 408 | 305 | 237 | 181 | 154 |
| 5,000 | 221 | 181 | 154 | 131 | 120 |
| 10,000 | 181 | 154 | 136 | 120 | 112 |
| 20,000 | 154 | 136 | 123 | 112 | 106 |
| 30,000 | 143 | 128 | 117 | 108 | 104 |
| 40,000 | 136 | 123 | 114 | 106 | 102 |
| 50,000 | 131 | 120 | 112 | 105 | 101 |
| 60,000 | 128 | 117 | 110 | 104 | 101 |
| 70,000 | 125 | 116 | 109 | 103 | 100 |
| 80,000 | 123 | 114 | 108 | 102 | 100 |
| 90,000 | 121 | 113 | 107 | 102 | 99 |
| 100,000 | 120 | 112 | 106 | 101 | 99 |

TABLE D-13. CRITICAL CRASH RATES FOR URBAN PARKWAY
SECTIONS (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/100 MVM) FOR THE GIVEN SECTION LENGTH (MILES) | | | | | |
|--------|---|-----|-----|-----|-----|-----|
| | 0.5 | 1 | 2 | 5 | 10 | 20 |
| 500 | 603 | 434 | 326 | 238 | 197 | 168 |
| 1,000 | 434 | 326 | 255 | 197 | 168 | 149 |
| 2,500 | 300 | 238 | 197 | 161 | 144 | 132 |
| 5,000 | 238 | 197 | 168 | 144 | 132 | 124 |
| 7,500 | 212 | 179 | 156 | 137 | 127 | 120 |
| 10,000 | 197 | 168 | 149 | 132 | 124 | 118 |
| 15,000 | 179 | 156 | 141 | 127 | 120 | 115 |
| 20,000 | 168 | 149 | 136 | 124 | 118 | 114 |
| 30,000 | 156 | 141 | 130 | 120 | 115 | 112 |
| 40,000 | 149 | 136 | 126 | 118 | 114 | 111 |
| 90,000 | 134 | 125 | 119 | 113 | 111 | 109 |
| 50,000 | 144 | 132 | 124 | 117 | 113 | 110 |

APPENDIX E

CRITICAL CRASH RATE TABLES FOR "SPOTS"
(SPOT IS DEFINED AS 0.3 MILE IN LENGTH)

TABLE E-1. CRITICAL CRASH RATES FOR "SPOTS" ON RURAL ONE-LANE, TWO-LANE AND THREE-LANE HIGHWAYS (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/MV) | | |
|--------|----------------------------|----------|------------|
| | BY HIGHWAY TYPE | | |
| | ONE-LANE | TWO-LANE | THREE-LANE |
| 100 | 7.45 | 8.76 | 8.48 |
| 500 | 2.93 | 3.66 | 3.50 |
| 1,000 | 2.10 | 2.70 | 2.57 |
| 2,500 | 1.44 | 1.92 | 1.82 |
| 5,000 | 1.14 | 1.56 | 1.47 |
| 7,500 | 1.01 | 1.40 | 1.32 |
| 10,000 | 0.94 | 1.31 | 1.23 |
| 15,000 | 0.85 | 1.21 | 1.13 |
| 20,000 | 0.80 | 1.15 | 1.07 |

TABLE E-2. CRITICAL CRASH RATES FOR "SPOTS" ON RURAL FOUR-LANE HIGHWAYS, INTERSTATES, AND PARKWAYS (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/MV) | | | |
|--------|--|------------------------|------------|---------|
| | BY HIGHWAY TYPE | | | |
| | FOUR-LANE DIVIDED (NON-INTERSTATE AND PARKWAY) | FOUR-LANE UNDIVIDED | INTERSTATE | PARKWAY |
| 500 | 2.56 | 3.73 | 1.74 | 1.83 |
| 1,000 | 1.80 | 2.76 | 1.16 | 1.23 |
| 2,500 | 1.21 | 1.97 | 0.73 | 0.78 |
| 5,000 | 0.94 | 1.60 | 0.54 | 0.58 |
| 10,000 | 0.76 | 1.35 | 0.41 | 0.45 |
| 15,000 | 0.69 | 1.25 | 0.36 | 0.39 |
| 20,000 | 0.64 | 1.18 | 0.33 | 0.36 |
| 30,000 | 0.59 | 1.11 | 0.29 | 0.32 |
| 40,000 | 0.56 | 1.06 | 0.27 | 0.30 |
| 50,000 | 0.54 | 1.04 | 0.26 | 0.29 |

TABLE E-3. CRITICAL CRASH RATES FOR "SPOTS" ON URBAN TWO-LANE AND THREE-LANE HIGHWAYS (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/MV) | |
|--------|----------------------------|------------|
| | BY HIGHWAY TYPE | |
| | TWO-LANE | THREE-LANE |
| 500 | 4.08 | 5.33 |
| 1,000 | 3.04 | 4.09 |
| 2,500 | 2.20 | 3.07 |
| 5,000 | 1.81 | 2.59 |
| 7,500 | 1.64 | 2.38 |
| 10,000 | 1.54 | 2.25 |
| 15,000 | 1.42 | 2.11 |
| 20,000 | 1.35 | 2.02 |
| 30,000 | 1.27 | 1.92 |
| 40,000 | 1.23 | 1.86 |

TABLE E-4. CRITICAL CRASH RATES FOR "SPOTS" ON URBAN FOUR-LANE HIGHWAYS, INTERSTATES, AND PARKWAYS (FIVE-YEAR PERIOD)(1997-2001)

| AADT | CRITICAL CRASH RATE (C/MV) | | | |
|---------|--|------------------------|------------|---------|
| | BY HIGHWAY TYPE | | | |
| | FOUR-LANE DIVIDED (NON-INTERSTATE AND PARKWAY) | FOUR-LANE UNDIVIDED | INTERSTATE | PARKWAY |
| 1,000 | 3.02 | 4.11 | 1.56 | 1.65 |
| 5,000 | 1.79 | 2.60 | 0.79 | 0.84 |
| 10,000 | 1.53 | 2.27 | 0.63 | 0.67 |
| 15,000 | 1.41 | 2.12 | 0.56 | 0.60 |
| 20,000 | 1.34 | 2.04 | 0.52 | 0.56 |
| 30,000 | 1.26 | 1.94 | 0.47 | 0.51 |
| 40,000 | 1.22 | 1.88 | 0.45 | 0.48 |
| 50,000 | 1.18 | 1.84 | 0.43 | 0.47 |
| 60,000 | 1.16 | 1.81 | 0.41 | 0.45 |
| 70,000 | 1.14 | 1.78 | 0.40 | 0.44 |
| 80,000 | 1.13 | 1.76 | 0.40 | 0.43 |
| 90,000 | 1.12 | 1.75 | 0.39 | 0.42 |
| 100,000 | 1.11 | 1.74 | 0.38 | 0.42 |

APPENDIX F
TOTAL CRASH RATES FOR CITIES
INCLUDED IN 2000 CENSUS

TABLE F-1. CRASHES AND CRASH RATES FOR ALL CITIES LISTED IN THE 2000 CENSUS (1997-2001)

| CITY | POPULATION | ANNUAL CRASHES | | CITY | POPULATION | ANNUAL CRASHES | |
|-------------------|------------|-------------------|---------------------|--------------------|------------|-------------------|---------------------|
| | | NUMBER OF CRASHES | PER 1000 POPULATION | | | NUMBER OF CRASHES | PER 1000 POPULATION |
| Adairville | 920 | 25 | 5 | Campbellsburg | 705 | 64 | 18 |
| Albany | 2,220 | 452 | 41 | Campbellsville | 10,498 | 2,013 | 38 |
| Alexandria | 8,286 | 1,009 | 24 | Campton | 424 | 340 | 160 |
| Allen | 150 | 117 | 156 | Caneyville | 627 | 75 | 24 |
| Anchorage | 2,264 | 92 | 8 | Carlisle | 1,917 | 260 | 27 |
| Arlington | 395 | 11 | 6 | Carrollton | 3,846 | 714 | 37 |
| Ashland | 21,981 | 4,812 | 44 | Catlettsburg | 1,960 | 481 | 49 |
| Auburn | 1,444 | 94 | 13 | Cave City | 1,880 | 426 | 45 |
| Audubon Park | 1,545 | 58 | 8 | Centertown | 416 | 22 | 11 |
| Augusta | 1,204 | 124 | 21 | Central City | 5,893 | 790 | 27 |
| Bancroft | 536 | * | * | Cherrywood Village | 327 | 2 | 1 |
| Barbourmeade | 1,260 | 1 | 0 | Clarkson | 794 | 110 | 28 |
| Barbourville | 3,589 | 699 | 39 | Clay | 1,179 | 69 | 12 |
| Bardstown | 10,374 | 2,196 | 42 | Clay City | 1,303 | * | * |
| Bardwell | 799 | 63 | 16 | Clinton | 1,415 | * | * |
| Barlow | 715 | 45 | 13 | Cloverport | 1,256 | 38 | 6 |
| Beattyville | 1,193 | 232 | 39 | Coal Run | 577 | 308 | 107 |
| Beaver Dam | 3,033 | 475 | 31 | Cold Spring | 3,806 | 800 | 42 |
| Bedford | 677 | 169 | 50 | Columbia | 4,014 | 830 | 41 |
| Beechwood Village | 1,173 | 2 | 0 | Concord | 28 | 1 | 7 |
| Bellefonte | 837 | 92 | 22 | Corbin | 7,742 | 1,940 | 50 |
| Bellevue | 6,480 | 944 | 29 | Corinth | 181 | 112 | 124 |
| Bellewood | 300 | 3 | 2 | Corydon | 744 | 86 | 23 |
| Benham | 599 | 32 | 11 | Covington | 43,370 | 8,819 | 41 |
| Benton | 4,197 | 714 | 34 | Crab Orchard | 842 | 111 | 26 |
| Berea | 9,851 | 1,400 | 28 | Crescent Springs | 3,931 | 622 | 32 |
| Berry | 310 | 21 | 14 | Crestview | 471 | 6 | 3 |
| Blaine | 245 | 18 | 15 | Crestview Hills | 2,889 | 817 | 57 |
| Bloomfield | 855 | 85 | 20 | Crestwood | 1,999 | 438 | 44 |
| Blue Ridge Manor | 623 | 1 | 0 | Crittenden | 2,401 | 386 | 32 |
| Bonnieville | 354 | 52 | 29 | Crofton | 838 | 69 | 17 |
| Booneville | 111 | 186 | 335 | Cumberland | 2,611 | 230 | 18 |
| Bowling Green | 49,296 | 12,097 | 49 | Cynthiana | 6,258 | 1,119 | 36 |
| Bradfordsville | 304 | 23 | 15 | Danville | 15,477 | 2,928 | 38 |
| Brandenburg | 2,049 | 461 | 45 | Dawson Springs | 2,980 | 241 | 16 |
| Bremen | 365 | 68 | 37 | Dayton | 5,966 | 419 | 14 |
| Briarwood | 554 | 1 | 0 | Dixon | 632 | 154 | 49 |
| Broadfields | 250 | * | * | Dover | 316 | 25 | 16 |
| Brodhead | 1,193 | 13 | 2 | Drakesboro | 627 | 66 | 21 |
| Bromley | 838 | 63 | 15 | Dry Ridge | 1,995 | 831 | 83 |
| Brooksville | 589 | 175 | 59 | Earlington | 1,649 | 158 | 19 |
| Brownsville | 921 | 244 | 53 | Eddyville | 2,350 | 190 | 16 |
| Burgin | 874 | 32 | 7 | Edgewood | 9,400 | 726 | 15 |
| Burkesville | 1,756 | 257 | 29 | Edmonton | 1,586 | 296 | 37 |
| Burnside | 637 | 88 | 28 | Ekron | 170 | 18 | 21 |
| Butler | 613 | 77 | 25 | Elizabethtown | 22,542 | 5,063 | 45 |
| Cadiz | 2,373 | 489 | 41 | Elkhorn City | 1,060 | 125 | 24 |
| Calhoun | 836 | 92 | 22 | Elkton | 1,984 | 254 | 26 |
| Calvert City | 2,701 | 255 | 19 | Elsmere | 8,139 | 605 | 15 |
| Camargo | 923 | 34 | 7 | Eminence | 2,231 | 107 | 10 |

TABLE F-1. CRASHES AND CRASH RATES FOR ALL CITIES LISTED IN THE 2000 CENSUS (1997-2001)(continued)

| CITY | POPULATION | NUMBER OF CRASHES | ANNUAL CRASHES PER 1000 POPULATION | CITY | POPULATION | NUMBER OF CRASHES | CRASHES PER 1000 POPULATION |
|------------------|------------|----------------------|---|------------------|------------|----------------------|-----------------------------------|
| Erlanger | 16,676 | 3,235 | 39 | Hopkinsville | 30,089 | 5,069 | 34 |
| Eubank | 358 | 36 | 20 | Horse Cave | 2,252 | 180 | 16 |
| Evarts | 1,101 | 131 | 24 | Houston Acres | 491 | 2 | 1 |
| Ewing | 278 | 14 | 10 | Hustonville | 347 | 34 | 20 |
| Fairfield | 72 | 12 | 33 | Hyden | 204 | 186 | 182 |
| Fairview | 156 | 39 | 50 | Independence | 14,982 | 1,420 | 19 |
| Falmouth | 2,058 | 351 | 34 | Indian Hills | 2,882 | 31 | 2 |
| Ferguson | 881 | 24 | 5 | Inez | 466 | 145 | 62 |
| Flatwoods | 7,605 | 530 | 14 | Irvine | 2,843 | 540 | 38 |
| Flemingsburg | 3,010 | 348 | 23 | Irvington | 1,257 | 52 | 8 |
| Florence | 23,551 | 7,034 | 60 | Island | 435 | 63 | 29 |
| Fordsville | 531 | 59 | 22 | Jackson | 2,490 | 646 | 52 |
| Forest Hills | 494 | 10 | 4 | Jamestown | 1,624 | 164 | 20 |
| Fort Mitchell | 8,089 | 1,206 | 30 | Jeffersonton | 26,633 | 3,867 | 29 |
| Fort Thomas | 16,495 | 1,007 | 12 | Jeffersonville | 1,804 | 125 | 14 |
| Fort Wright | 5,681 | 1,668 | 59 | Jenkins | 2,401 | 239 | 20 |
| Fountain Run | 236 | 21 | 18 | Junction City | 2,184 | 148 | 14 |
| Frankfort | 27,741 | 4,290 | 31 | Keeneland | 383 | 2 | 1 |
| Franklin | 7,996 | 1,115 | 28 | Kevil | 574 | 59 | 21 |
| Fredonia | 420 | 55 | 26 | Kingsley | 428 | 5 | 2 |
| Frenchburg | 551 | 117 | 43 | Kuttawa | 596 | 62 | 21 |
| Fulton | 2,775 | 374 | 27 | La Grange | 5,676 | 786 | 28 |
| Gamaliel | 439 | 16 | 7 | Lacenter | 1,038 | 85 | 16 |
| Georgetown | 18,080 | 2,739 | 30 | Lafayette | 193 | 4 | 4 |
| Germantown | 190 | 41 | 43 | Lakeside Park | 2,869 | 361 | 25 |
| Ghent | 371 | 40 | 22 | Lancaster | 3,734 | 563 | 30 |
| Glasgow | 13,019 | 2,727 | 42 | Latonia Lakes | 325 | 28 | 17 |
| Glencoe | 251 | 34 | 27 | Lawrenceburg | 9,014 | 750 | 17 |
| Grand Rivers | 343 | 33 | 19 | Lebanon | 5,718 | 1,033 | 36 |
| Gratz | 89 | 14 | 32 | Lebanon Junction | 1,801 | 175 | 19 |
| Grayson | 3,877 | 865 | 45 | Leitchfield | 6,139 | 542 | 18 |
| Greensburg | 2,396 | 446 | 37 | Lewisburg | 903 | 72 | 16 |
| Greenup | 1,198 | 194 | 32 | Lewisport | 1,639 | 101 | 12 |
| Greenville | 4,398 | 709 | 32 | Lexington | 260,512 | 49,852 | 38 |
| Guthrie | 1,469 | 102 | 14 | Liberty | 1,850 | 298 | 32 |
| Hanson | 625 | 71 | 23 | Livermore | 1,482 | 527 | 71 |
| Hardin | 564 | 53 | 19 | Livingston | 228 | 111 | 97 |
| Hardinsburg | 2,345 | 315 | 27 | London | 5,692 | 2,614 | 92 |
| Harlan | 2,081 | 636 | 61 | Lone Oak | 454 | 253 | 112 |
| Harrodsburg | 8,014 | 1,390 | 35 | Loretto | 623 | 75 | 24 |
| Hartford | 2,571 | 141 | 11 | Louisa | 2,018 | 648 | 64 |
| Hawesville | 971 | 149 | 31 | Louisville | 256,231 | 63,112 | 49 |
| Hazard | 4,806 | 1,838 | 77 | Loyall | 766 | 45 | 12 |
| Hazel | 440 | 36 | 16 | Ludlow | 4,409 | 239 | 11 |
| Henderson | 27,373 | 5,564 | 41 | Lynch | 900 | 47 | 10 |
| Hickman | 2,560 | 124 | 10 | Lyndon | 9,369 | 95 | 2 |
| Highland Heights | 6,554 | 715 | 22 | Lynnview | 965 | 32 | 7 |
| Hindman | 787 | 219 | 56 | Mackville | 206 | 22 | 21 |
| Hiseville | 224 | 14 | 13 | Madisonville | 19,307 | 3,647 | 38 |
| Hodgenville | 2,874 | 595 | 41 | Manchester | 1,738 | 607 | 70 |

* Data Not Available

TABLE F-1. CRASHES AND CRASH RATES FOR ALL CITIES LISTED IN THE 2000 CENSUS (1997-2001)(continued)

| CITY | POPULATION | NUMBER OF CRASHES | ANNUAL CRASHES PER 1000 POPULATION | CITY | POPULATION | NUMBER OF CRASHES | CRASHES PER 1000 POPULATION |
|--------------------|------------|----------------------|---|------------------|------------|----------------------|-----------------------------------|
| Marion | 3,196 | 394 | 25 | Park Hills | 2,977 | 177 | 12 |
| Martin | 633 | 182 | 58 | Pembroke | 797 | 37 | 9 |
| Mayfield | 10,349 | 1,812 | 35 | Perryville | 763 | 42 | 11 |
| Maysville | 8,993 | 2,099 | 47 | Pewee Valley | 1,436 | 142 | 20 |
| Mchenry | 417 | 37 | 18 | Phelps | 1,053 | 197 | 37 |
| Mckee | 878 | 176 | 40 | Pikeville | 6,295 | 1,706 | 54 |
| Mcroberts | 921 | 34 | 7 | Pineville | 2,093 | 357 | 34 |
| Meadowvale | 765 | 38 | 10 | Pippa Passes | 297 | 80 | 54 |
| Meadowview Estates | 422 | 5 | 2 | Plantation | 902 | 618 | 137 |
| Melbourne | 457 | 32 | 14 | Pleasureville | 869 | 34 | 8 |
| Mentor | 181 | 16 | 18 | Plymouth Village | 201 | 1 | 1 |
| Middlesboro | 10,384 | 1,392 | 27 | Powderly | 846 | 66 | 16 |
| Middletown | 5,744 | 153 | 5 | Prestonsburg | 3,612 | 1,022 | 57 |
| Midway | 1,620 | 103 | 13 | Prestonville | 164 | 31 | 38 |
| Millersburg | 842 | 82 | 20 | Princeton | 6,536 | 815 | 25 |
| Milton | 525 | 159 | 61 | Providence | 3,611 | 287 | 16 |
| Minor Lane Heights | 1,435 | 38 | 5 | Raceland | 2,355 | 148 | 13 |
| Monterey | 167 | 1,805 | 2,162 | Radcliff | 21,961 | 2,271 | 21 |
| Monticello | 5,981 | 1,264 | 42 | Ravenna | 693 | 37 | 11 |
| Moorland | 464 | 117 | 50 | Richmond | 27,152 | 5,337 | 39 |
| Morehead | 5,914 | 1,783 | 60 | Rochester | 186 | 5 | 5 |
| Morganfield | 3,494 | 571 | 33 | Rockport | 334 | 23 | 14 |
| Morgantown | 2,544 | 414 | 33 | Rolling Hills | 907 | 7 | 2 |
| Mortons Gap | 952 | 67 | 14 | Russell | 3,645 | 660 | 36 |
| Mount Olivet | 289 | 19 | 13 | Russell Springs | 2,399 | 573 | 48 |
| Mount Sterling | 5,876 | 1,414 | 48 | Russellville | 7,149 | 1,355 | 38 |
| Mount Vernon | 2,592 | 596 | 46 | Sacramento | 517 | 54 | 21 |
| Mount Washington | 8,485 | 762 | 18 | Sadieville | 263 | 39 | 30 |
| Muldraugh | 1,298 | 234 | 36 | Saint Charles | 309 | 23 | 15 |
| Munfordville | 1,563 | 361 | 46 | Saint Matthews | 15,852 | 2,619 | 33 |
| Murray | 14,950 | 1,357 | 18 | Saint Regis Park | 1,520 | 283 | 37 |
| Nebo | 220 | 34 | 31 | Salem | 769 | 49 | 13 |
| New Castle | 919 | 114 | 25 | Salt Lick | 342 | 75 | 44 |
| New Haven | 849 | 61 | 14 | Salyersville | 1,604 | 313 | 39 |
| Newport | 17,048 | 3,589 | 42 | Sanders | 246 | 15 | 12 |
| Nicholasville | 19,680 | 2,809 | 29 | Sandy Hook | 678 | 95 | 28 |
| Norbourne Estates | 461 | 3 | 1 | Sardis | 149 | 22 | 30 |
| North Middleton | 562 | 28 | 10 | Science Hill | 634 | 17 | 5 |
| Northfield | 970 | 78 | 16 | Scottsville | 4,327 | 868 | 40 |
| Nortonville | 1,264 | 131 | 21 | Sebree | 1,558 | 166 | 21 |
| Oak Grove | 7,064 | 951 | 27 | Seneca Gardens | 699 | 4 | 1 |
| Oakland | 260 | 18 | 14 | Sharpsburg | 295 | 53 | 36 |
| Olive Hill | 1,813 | 315 | 35 | Shelbyville | 10,085 | 1,846 | 37 |
| Owensboro | 54,067 | 9,949 | 37 | Shepherdsville | 8,334 | 1,461 | 35 |
| Owenton | 1,387 | 242 | 35 | Shively | 15,157 | 3,739 | 49 |
| Owingsville | 1,488 | 239 | 32 | Silver Grove | 1,215 | 124 | 20 |
| Paducah | 26,307 | 7,076 | 54 | Simpsonville | 1,281 | 116 | 18 |
| Paintsville | 4,132 | 944 | 46 | Slaughters | 238 | 11 | 9 |
| Paris | 9,183 | 1,498 | 33 | Smithfield | 102 | 49 | 96 |
| Park City | 517 | 60 | 23 | Smithland | 401 | 79 | 39 |

* Data Not Available

TABLE F-1. CRASHES AND CRASH RATES FOR ALL CITIES LISTED IN THE 2000 CENSUS (1997-2001)(continued)

| CITY | POPULATION | NUMBER OF CRASHES | ANNUAL CRASHES PER 1000 POPULATION | CITY | POPULATION | NUMBER OF CRASHES | CRASHES PER 1000 POPULATION |
|--------------------|------------|----------------------|---|----------------|------------|----------------------|-----------------------------------|
| Smiths Grove | 784 | 100 | 26 | Wilmore | 5,905 | 187 | 6 |
| Somerset | 11,352 | 3,407 | 60 | Winchester | 16,724 | 3,185 | 38 |
| Sonora | 350 | 87 | 50 | Wingo | 581 | 89 | 31 |
| South Carrollton | 184 | 73 | 79 | Woodburn | 323 | 34 | 21 |
| South Shore | 1,226 | 76 | 12 | Woodland Hills | 657 | 4 | 1 |
| Southgate | 3,472 | 419 | 24 | Woodlawn Park | 1,033 | 7 | 1 |
| Sparta | 230 | 40 | 35 | Worthington | 1,673 | 25 | 3 |
| Springfield | 2,634 | 469 | 36 | Worthville | 215 | 25 | 23 |
| Stamping Ground | 566 | 41 | 15 | Wurtland | 1,049 | 63 | 12 |
| Stanford | 3,430 | 328 | 19 | | | | |
| Stanton | 3,029 | 380 | 25 | | | | |
| Strathmoor Village | 625 | 1 | 0 | | | | |
| Sturgis | 2,030 | 181 | 18 | | | | |
| Taylor Mill | 6,913 | 968 | 28 | | | | |
| Taylorsville | 1,009 | 182 | 36 | | | | |
| Tompkinsville | 2,660 | 493 | 37 | | | | |
| Trenton | 419 | 14 | 7 | | | | |
| Union | 2,893 | 330 | 23 | | | | |
| Uniontown | 1,064 | 91 | 17 | | | | |
| Upton | 391 | 61 | 31 | | | | |
| Vanceburg | 1,731 | 214 | 25 | | | | |
| Versailles | 7,511 | 1,215 | 32 | | | | |
| Vicco | 318 | 65 | 41 | | | | |
| Villa Hills | 7,948 | 290 | 7 | | | | |
| Vine Grove | 4,169 | 284 | 14 | | | | |
| Wallins Creek | 257 | 107 | 83 | | | | |
| Walton | 2,450 | 450 | 37 | | | | |
| Warfield | 284 | 73 | 51 | | | | |
| Warsaw | 1,811 | 131 | 15 | | | | |
| Water Valley | 316 | 15 | 10 | | | | |
| Waverly | 297 | 38 | 26 | | | | |
| Wayland | 298 | 28 | 19 | | | | |
| Wellington | 561 | * | * | | | | |
| West Liberty | 3,277 | 380 | 23 | | | | |
| West Point | 1,100 | 193 | 35 | | | | |
| Westwood | 4,888 | * | * | | | | |
| Westwood | 612 | * | * | | | | |
| Wheatcroft | 173 | 12 | 14 | | | | |
| Wheelwright | 1,042 | 42 | 8 | | | | |
| Whipps Millgate | 415 | * | * | | | | |
| White Plains | 800 | 54 | 14 | | | | |
| Whitesburg | 1,600 | 407 | 51 | | | | |
| Whitesville | 632 | 78 | 25 | | | | |
| Whitley City | 1,111 | 274 | 49 | | | | |
| Wickliffe | 794 | 168 | 42 | | | | |
| Wilder | 2,624 | 529 | 40 | | | | |
| Wildwood | 247 | 2 | 2 | | | | |
| Williamsburg | 5,143 | 773 | 30 | | | | |
| Williamstown | 3,227 | 547 | 34 | | | | |
| Willisburg | 304 | 242 | 159 | | | | |

* Data Not Available

