KENTUCKY UNIFORM CRIME REPORT-UNIFORM OFFENSE REPORT RESEARCH PROJECT:

AN ANALYSIS OF INCIDENT-BASED DATA

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ACQUISITIONS

AUTHORS' NOTES

The research team for the Uniform Crime Report/Uniform Offense Report (UCR/UOR) Crime Analysis Project consisted of the following persons: Drs. Gennaro F. Vito and Thomas J. Keil, principal investigators; Dr. Gerald L. Hutchins; and Stephen Holmes. The data for the project were provided by the Kentucky State Police. Major Mike Moulton and Gary Bush provided assistance with these data. Danita Klein of the Office of Computer and Information Services at the University of Louisville mounted the computer tapes and set up the computer accounts. Dr. Hutchins of the Urban Research Institute read the data and prepared it for computer analysis. Stephen Holmes drafted all charts and tables contained in the report. Drs. Vito and Keil conducted the computer analyses and wrote the final report.

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EXECUTIVE SUMMARY

In this report, the Kentucky Criminal Justice Statistical Analysis Center (SAC) analyzes Uniform Crime Report/Uniform Offense Report data. Beginning July 1, 1987, the Kentucky State Police adopted a new method of crime data collection based upon a new statewide reporting format. This new system (see Appendix A: Uniform Offense Report) is incident-based. In other words, it contains information on the individual crime incident and, after an arrest is made, the victim, and the offender.

The primary objective of this study was to demonstrate the potential uses of these data for law enforcement agencies across the Commonwealth of Kentucky. The Kentucky State Police provided a computer tape of the UCR/UOR data for the period July 1, 1987, to December 31, 1987. These data were primarily from the rural areas of the Commonwealth but also included some communities from major metropolitan areas such as Jefferson County. Data for cities, such as Louisville and Lexington, were not included.

For purposes of illustration, we have divided the analyses into two parts. The first set presents statewide analyses for robbery and burglary. These analyses demonstrate how criminal justice decisionmakers at the state level can use these data to look at general patterns of crime reporting, arrest activity, and victimizations across the Commonwealth.

Our summary focuses upon several profiles generated from this study.

Statewide Results: Robbery--Offense Profile

The following profile emerged from the examination of the statewide robbery offense file:

- Hopkinsville (city) and Jefferson County were the sites of most robberies.
- Robbery was primarily an urban offense featuring a single victim.

Statewide Results: Robbery--Victim Profile

The victims of robbery were most likely to be:

- Males, whites, and single persons.
- Full-time Kentucky residents.
- There was a 20 percent injury rate among robbery victims.
- Robberies were most likely to occur in August and on Fridays.

Statewide Results: Robbery--Arrestee Profile

Persons arrested for robbery were most likely to be:

- Arrested in Hopkinsville and Christian County.
- Aged 20-29
- Whites, males, and full-time residents of Kentucky
- Persons who robbed one victim who was a stranger.

Statewide Results: Burglary--Offense Profile

Burglary offenses were most likely to be:

- Reported to Kentucky State Police Post 9.
- Reported in the months of July, October, December and on Fridays.
- Reported from rural areas.

Statewide Results: Burglary--Victim Profile

Burglaries were most likely to involve:

- Multiple victims.
- Persons aged 30-39, males, whites, and married persons.
- Households.
- Full-time Kentucky residents as victims.

Statewide Results: Burglary--Arrestee Profile

Persons arrested for burglary were most likely to be:

- Under 18 years of age.
- Males, whites, and single persons who were full-time residents of Kentucky.

The second set of analyses show how these data can be used at the operational level. Here, we focus on the burglary data and the police jurisdiction which had the most reported burglaries (Kentucky State Police Post 9). We then examined the pattern of activity in this area in greater detail.

The following profiles were generated from this data subset.

Jurisdictional Results: Burglary--Offense Profile

Burglaries in Kentucky State Police Post 9 were most likely to be reported:

- In November and December.
- On Saturdays.
- Between the hours of 1:00-3:00 a.m.
- In Pike and Floyd Counties and Prestonberg.

Jurisdictional Results: Burglary--Offense Profile

Victims of burglaries reported to Kentucky State Police Post

9 were most likely to be:

- 41 years old (or older).
- Males, whites, married persons, and full-time Kentucky residents.
- Households.

These profiles illustrate the difference between administrative and operational level data. In terms of the burglary profiles, the victims reporting to Kentucky State Police Post 9 were older than the general statewide group of victims, but there were several notable similarities. Males, whites, married persons, and households were the most likely victims both statewide and in this jurisdiction.

Offense profile contains the specific data most useful to operational personnel. Here, the patterns between the two levels are most apparent. Burglaries were reported to Kentucky State

Police Post 9 in November and December and on Saturdays (rather than July, October, and December, and on Fridays).

Used in this manner, the Uniform Offense Report data can provide information which can be valuable to officials at both levels.

This analysis is designed to serve as the starting point in the establishment of a long-term relationship between the Kentucky State Police, the Kentucky SAC, and the U.S. Bureau of Justice Statistics to analyze Kentucky crime patterns.

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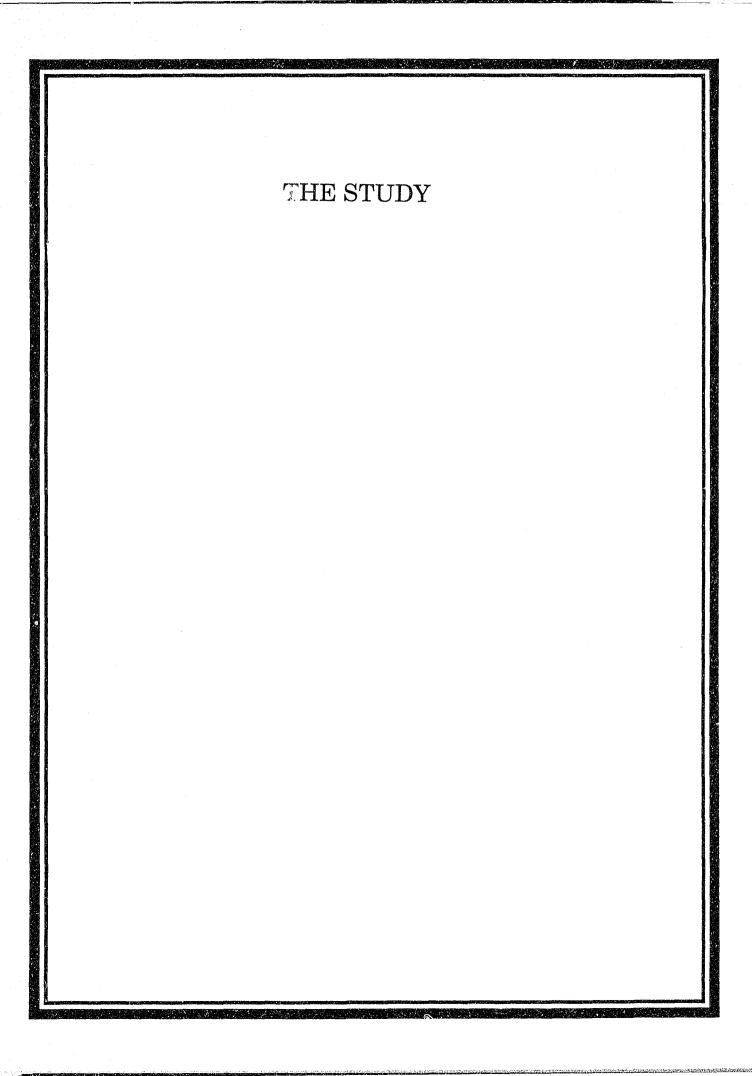
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BACKGROUND AND PURPOSE

In this report, the Kentucky Criminal Justice Statistical Analysis Center (SAC) analyzes Uniform Crime Report/Uniform Offense Report (UCR/UOR) data. Beginning July 1, 1987, the Kentucky State Police adopted a new method of crime data collection based upon a new statewide reporting format. This new system (see Appendix A: Uniform Offense Report) is incident-based. In other words, it contains information on the individual crime incident and, after an arrest is made, the victim, and the offender. Thus, it contains a significant amount of data beyond that traditionally collected under the Uniform Crime Reporting Program.

The primary objective of this study was to demonstrate the potential uses of these data for law enforcement agencies across the Commonwealth of Kentucky. The amount of data contained in the UOR provides a basis for an analysis of crime patterns such as:

- Where and when are certain types of crime likely to occur?
 - a. Time of day, day of week, and month.
 - b. Geographic location (city, county, police jurisdiction).
- 2. Offender and Victim Profiles by demographic characteristic.

This analysis is designed to serve as the starting point in the establishment of a long-term relationship between the Kentucky State Police, the Kentucky SAC, and the U.S. Bureau of Justice Statistics to analyze Kentucky crime patterns. In addition, the research results could demonstrate the utility of incident-based data to other SACs and provide a model for methods of crime analysis.

METHODS AND PROCEDURES

The Kentucky State Police provided a computer tape of the UCR/UOR data for the period July 1, 1987, to December 31, 1987. These data were primarily from the rural areas of the Commonwealth but also included some communities from major metropolitan areas such as Jefferson County. Data for cities, such as Louisville and Lexington, were not included. As noted in detail in Appendix B, the process of obtaining the data and analyzing it on the computer was fraught with problems but our experience should prove valuable to other SACs before they undertake such a research project.

The data which we analyzed consisted of two files. The first file contained offenses reported to (or uncovered by) the police. The second file contained offender data for those reported crimes which resulted in arrests.

For purposes of illustration, we have divided the analyses into two parts. The first set presents statewide analyses for robbery and burglary. These analyses demonstrate how criminal justice decisionmakers at the state level can use these data to look at general patterns of crime reporting, arrest activity, and victimizations across the Commonwealth. The second set of analyses show how these data can be used at the operational level. Here, we focus on the burglary data and the police jurisdiction which had the most reported burglaries (Kentucky State Police Post 9). We then examined the pattern of activity in this area in greater detail. For example, we listed all of the burglaries known to Post 9, the various aspects of the offense, selected attributes of offenders (where known), and victims (where such data were available). Then, we generated frequency distributions for all of the data elements. Next, we cross-tabulated some data elements about burglary and presented two analyses as examples. The first cross-tabulation shows how operational personnel can use the data to determine the distribution of burglaries across police work shifts in their jurisdiction. The focus here is on burglary but this type of analysis could be reproduced for all of the offenses in the incident-based system. These data should prove useful in the deployment of personnel and other operational matters.

RESULTS OF THE STUDY

Statewide Results: Robbery--Offense File

Based on the six-month offense file, there were 244 robberies known to the police. These robberies were evenly distributed across the Commonwealth. As shown in Table 1, the agency with the highest number of reported robberies was the Hopkinsville Police Department (N = 21). Table 2 shows that the county with the highest number of reported robberies was Jefferson.

Of the 244 robberies, 162 (66.4%) took place in an urban area, while 82 (33.6%) occurred in rural areas. Two hundred and twenty-nine robberies involved one victim, eight had two, three had three, and four had four victims.

In terms of disposition, 152 of the 244 robberies (62.3%) were cases that were still open, 90 (36.9%) were closed, one (0.4%) was unfounded, and one (0.4%) had no data reported. Sixty-two cases were cleared by arrest and 12 were exceptionally cleared. The reason for exceptional clearance was given for ten of the 12 cases: six because prosecution was declined; two because the victim refused to cooperate; one because extradition was declined; and one because an adult was in custody.

As shown in Table 3, the ages of robbery victims were widely distributed. In terms of the age of the robbery victim, the distribution was bimodal. Robbery victims were most often 19 and 30 years old. Men were more likely than women (97 v. 55 with 85 cases blank) to be the victims of robbery. For race of the victim, 145 whites and only four blacks were identified as robbery victims (with 95 cases blank).

Table 4 demonstrates that robbery victims were most likely to be single (69 or 28.3%), while 48 (19.7%) were married, and 13 (5.3%) were divorced (114 cases were blank). As shown in Tables 5 and 6, only a small proportion of the robbery victims were handicapped (12 or 4.9%). Of these 12 victims, one was hearing impaired, seven were physically disabled, and four were mentally disabled.

In Table 7, we see that the majority of robbery victims (153 or 62.7%) were individuals, followed by businesses (86 or 35.2%), financial institutions (four or 1.6%), and government offices (one or 0.4%).

As indicated in Table 8, 49 robbery victims (20.1%) were injured during the course of the offense. Finally, the clear majority of victims was full-time Kentucky residents (238 or 97.5%). Only six (2.5%) were nonresidents.

As shown in Tables 9 and 10, most of the reported offenses were in August and were likely to take place on a Saturday.

Agency Code Robbery Offense File Table 1

Agency	Frequency	Percentage
KYKSP01	5	2.0
KYKSP02	6	2.5
KYKSP03	8 5 3	3.3
KYKSP04	5	2.0
KYKSP05	3	1.2
KYKSP06	6	2.5
KYKSP07	7	2.9
KYKSP08	5	2.0
KYKSP09	11	4.5
KYKSP10	3	1.2
KYKSP11	4 3	1.6
KYKSP12	3	1.2
KYKSP13	6	2.5
KYKSP14	4	1.6
KYKSP15	10	4.1
KYKSP16	1 3	.4
0010100	3	1.2
0050100	1	.4
0080200	9 1	3.7
0100200		.4
0110100	1	.4
0150400	1	.4
0190600	14	5.7
0190700	1	.4
0240100	21	8.6
0240500	2	.8
0250000	1	• 4
0330000	1	.4
0370100	14	5.7
0400100	1	.4
0420100	3	1.2
0470100	4	1.6
0480000	1	• 4
0480200	1	.4
0490100	2	.8
0560300	14	5.7
0560400	10	4.1
0561000	3	1.2
0561300		.4
0561500] 3	1.2
0590400		• 4
0590900	1 3 1 1 2 2 2	. 4
0591200	1	.4
0591300	2	.8
0591700	2	.8
0591900	1	. 4
0610100	1	. 4
0760200	11	4.5
0760300	2	.8

0780100	1	.4
0790000	1	4
0790100	1	4
0920000	1	4
0930400	3	1.2
1050100	3	1.2
1070000	1	. 4
1070100	5	2.0
1160100	2	.8
1180200	2	.8
1200100	ī	.4

County of Offense Robbery Offense File Table 2

County	Frequency	Percentage
Adair	4	1.6
Barren	2	.8
Bath	1	. 4
Bell	12	4.9
Bourbon	1	. 4
Boyle	2 1	.8
Bullitt	1	. 4
Butler	1	. 4
Campbell	15	6.1
Carter	1	. 4
Casey	3	1.2
Christian	23	9.4
Clark	1	. 4
Estill	1	. 4
Floyd	5	2.0
Franklin	16	6.6
Gallatin	1	. 4
Garrard	1	. 4
Grant	1	. 4
Graves	3	1.2
Greenup	1	. 4
Hardin	7	2.9
Harlan	4	1.6
Harrison	2	.8
Henry	1	. 4
Hopkins	2	.8
Jefferson	31	12.7
Kenton	10	4.1
Knox	2	.8
Larue	1	. 4
Laurel	4 2	.8
Lawrence	2	. 4
Letcher	3 1	1.2
Lewis	1	. 4
Livingston	2	.8
McCracken	1	. 4
Madison	19	7.8
Marion	6	2.5
Marshall	4	1.6
Meade	1	. 4
Metcalfe	1	. 4
Muhlenberg	2	.8
Nicholas	1 2 4 2 6 2	. 4
Ohio	2	.8
Oldham	4	1.6
Perry	2	.8
Pike	6	2.5
Rowan		.8
Scott	3	1.2

Shelby Simpson Todd Warren Wayne Whitley	1 9 2 3 2 2	.4 3.7 .8 1.2 .8 .4
Whitley	2	4
Wolfe Woodford	1	.4
1	1	1

Age of Victim Robbery Offense File Table 3

Table 3							
Age	Frequency	Percentage					
0	6	2.5					
10	1	. 4					
11	6 1 1 2 2 2 3 7 5 4 3 3 3 6	.4					
13	1	. 4					
15	$\frac{1}{2}$.8					
16	2	.8					
17	2	.8					
18	້າ	1.2					
19	7	2.9					
20	/ 5	2.0					
	5	2.0					
21	4	1.6					
22	3	1.2					
23	3	1.2					
24	3	1.3 2.5					
25		2.5					
26	4	1.6					
28	1	. 4					
29	2	.8					
30	7	2.9					
31	4 1 2 7 3 2 5 5 3 4 5 4 1 1 1 3 3 1 1 2 2 2 2	1.2					
32	2	.8					
33	5	2.0					
36	5	2.0					
37	3	1.2					
38	Δ	1.6					
39		2.0					
40	3	1.6					
41	1 1	.4					
42	1						
	1 2	. 4					
43	1 2	.4					
44	3	1.2					
45	3	1.2					
46	$\frac{1}{2}$. 4					
47	1	. 4					
49	2	.8					
51	2	.8					
53	2	.8					
54	1	. 4					
55	1	. 4					
57	1 1 1 2 1 2 1 1 1 2 2	.4 .4 .4					
59	1	. 4					
61 62	2	.4 .8 .4 .8					
62	1	. 4					
64	$\frac{1}{2}$	8					
64 66 67	1 1	_ 4					
67	l - 1	Δ					
68	1 7	Λ					
69	2	.4 .4 .4 .8					
70	, ž						
/ 0	4	• •					

71	1	.4
72	3	1.2
73	2	.8
76	1	. 4
78	3	1.2
80	1	. 4
81	1	. 4
83	1	. 4
86	1	. 4
88	1	. 4
Blank	104	42.6

Marital Status of Victim Robbery Victim File Table 4							
Marital Status	Frequency	Percentage					
Married Single Divorced Blank	48 69 13 114	19.7 28.3 5.3 46.7					

Victim Handicapped Robbery Offense File Table 5		
Victim Disabled	Frequency	Percentage
No Yes Blank	116 12 116	47.5 4.9 47.5

Handicap Explained Robbery Offense File Table 6		
Disability	Frequency	Percentage
Hearing Physical Mental Blank	1 7 4 232	.4 2.9 1.6 95.1

Victim Type Robbery Offense File Table 7		
Victim Type	Frequency	Percentage
Buisness Financial Government Individual	86 4 1 153	35.2 1.6 .4 62.7

Victim Injured Robbery Offense File Table 8		
Injured	Frequency	Percentage
No Yes Blank	74 49 121	30.3 20.1 49.6

Victimization Month Robbery Offense File Table 9		
Month	Frequency	Percentage
February July August September October November December	1 31 43 32 37 41 59	.4 12.7 17.6 13.1 15.2 16.8 24.2

Victimization Day Robbery Offense File Table 10		
Day Of Week	Frequency	Percentage
Monday Tuesday Wednesday Thursday Friday Saturday Sunday Blank	29 29 29 41 42 45 28 1	11.9 11.9 11.9 16.8 17.2 18.4 11.5

Victim Under the Influence Robbery Offense File Table 10A		
Status Frequency Percentage		Percentage
Alcohol None Unknown Blank	8 94 11 131	3.3 38.5 4.5 53.7

Statewide Results: Robbery--Arrest File

Overall, there were 110 robbery arrests during this time period. Of these arrests, the Hopkinsville Police Department had the most (11 or 10.0%). Christian County had the most arrests (13 or 11.8%, see Table 11) of all the counties.

As Table 12 reveals, the age of the arrestees was fairly widespread. There were four juveniles (3.6%). Eight arrestees (7.2%) were age 18-19. The total percentage of robbery arrestees under 20 years was 10.8 percent. Twenty-one of the arrestees were between the ages of 20-29. Ten offenders (9.1%) were between the ages of 30-39, three (2.7%) were between 40-49, and two (1.8%) were 50 or older. On the age variable, 61 cases were blank and one case had missing data.

The vast majority of robbery arrestees were male (97 or 88.2%). Thirteen arrestees (11.8%) were female. Seventy eight (78.9%) of the arrestees were white, while 32 (29.1%) were black (see Chart 1). This figure shows a significant overrepresentation of blacks, given that roughly 7.5% of Kentucky's total population is black. Only one (0.9%) arrestee was Hispanic.

Regarding the victim-offender relationship, there were 88 cases of no reported data (see Table 13). An additional 13 cases (11.8%) listed this relationship as unknown; six cases (5.5%) involved a stranger robbing the victim; two cases (1.8%) involved an arrestee who, in some way, was known to the victim; and one case (0.9%) involved a family member as perpetrator.

As Table 14 demonstrates, most of the arrestees (43 or 39.1%) were single. Eleven (10.1%) were married and seven (6.4%) were divorced. Forty nine cases had missing data on this variable.

Table 15 shows that 57 arrestees were full-time residents of Kentucky. Eleven (10.0%) were nonresidents. Data were missing for 42 (38.2%) of the arrestees.

For the plea variable, 66 cases (24.5%) had no data (possibly meaning that they had not been disposed of when the data were collected), 27 (24.5%) pleaded guilty, 16 (14.5%) pleaded not guilty and one (0.9%) was missing (see Table 16).

On the finding variable, Table 17 indicates that 29 (26.4%) persons were found guilty and ten (9.1%) were found not guilty. No information was available on 77 cases.

In Chart 2, we see that 18 arrests (16.4%) ended in dismissal. Two cases (1.8%) were given a juvenile commitment to the Cabinet of Human Resources, one each (0.9%) was given a concurrent sentence and a transfer, and seven (6.4%) ended in some other judgment.

Only eight (7.2%) of the 110 arrestees were sentenced to jail or prison. Table 18 shows that two arrestees (1.8%) were sentenced to two months, another two to 24 months, and one each (0.9%) to 60 and 90 months.

Among the arrestees sentenced to probation (see Table 19), one (0.9%) received two months, two (1.8%) received six months, three (2.7%) received one year, and two of the convicted arrestees were given two years. Data were not available for 102 cases.

County of Offense Robbery Arrest File Table 11

County	Frequency	Percentage
Barren	1	.9
Bell	5	4.5
Boone	3	2.7
Boyle	4	2.8
Breckinridge	1	.9
Bullitt	1	.9
Campbell	1 5	4.5
Christian	13	11.8
Clark	1	.9
Daviess		5.5
Fayette	2	1.8
Franklin	5	4.5
Graves	6 2 5 2 3 2 2 1	1.8
Hardin	3	2.7
Harlan	2	1.8
Harrison	2	1.8
Henderson		.9
Hopkins	1	.9
Jefferson	7	6.4
Kenton	7	6.4
Letcher	1	.9
Livingston	1 2 7	1.8
McCracken		6.4
McCreary	1	.9
Madison	8 1	7.3
Marshall		•9
Pike	1	. 9
Rowan	1	.9
Scott	1	. 4
Shelby	4 5	3.6
Simpson	5	4.5
Spenser	1	. 9
Warren	4	3.6
Whitley	1	. 9

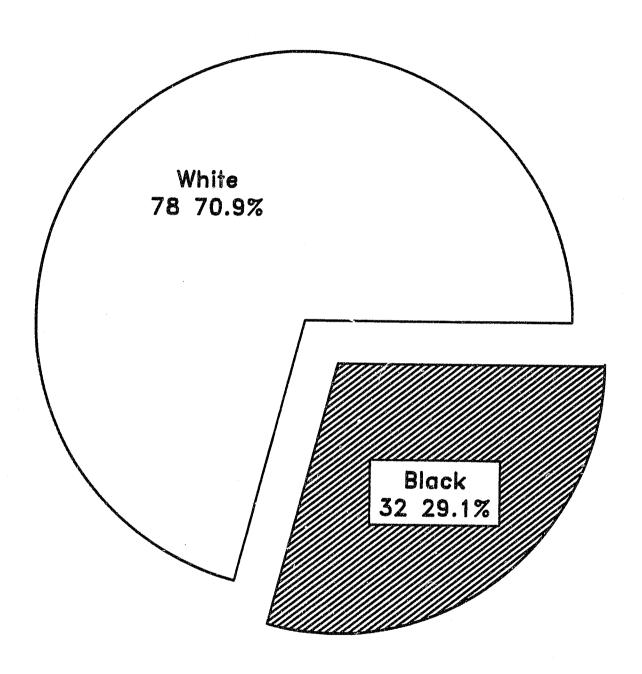
Age of Offender Robbery Arrest File Table 12		
Age	Frequency	Percentage
17 and Under 18 thru 19 20 thru 29 30 thru 39 40 thru 49 50 and Older Blank Missing Data	4 8 21 10 3 2 61	3.6 7.2 19.0 9.1 2.7 1.8 55.5

Victim Offender Relationship Robbery Arrest File Table 13		
Relationship Frequency Percentage		
OF Otherwise Known Relat. Unknown Stranger Blank	1 2 13 6 88	.9 1.8 11.8 5.5 80.0

Offender Marital Status Robbery Arrest File Table 14		
Marital Status	Frequency	Percentage
Married Single Divorced Blank	11 43 7 49	10.0 39.1 6.4 44.5

Residential Status of the Offender Robbery Arrest File Table 15		
Resident Frequency Percentage		
Full-time 57 51.8 Non-resident 11 10.0 Blank 42 38.2		10.0

Race of Offender Robbery Arrest File Chart 1



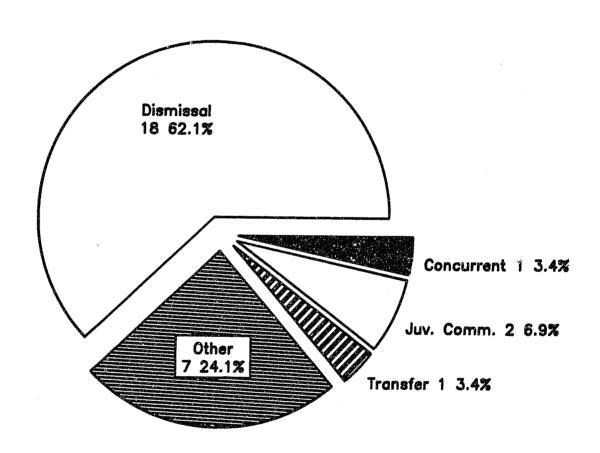
	Plea Robbery Arrest File Table 16	
Plea	Frequency	Percentage
C Guilty Not Guilty Blank	1 27 16 66	.9 24.5 14.5 60.0

	Finding Robbery Arrest File Table 17	
Verdict	Frequency	Percentage
Guilty Not Guilty Blank	29 10 71	26.4 9.1 64.5

	Jail Months Robbery Arrest File Table 18	
Months	Frequency	Percentage
2 24 36 60 99 Blank	2 2 1 1 2 102	1.8 1.8 .9 .9 1.8 92.7

	Months Probation Robbery Arrest File Table 19	
Months	Frequency	Percentage
2 6 12 24 Blank	1 2 3 2 102	.9 1.8 2.7 1.8 92.7

Disposition Robbery Arrest File Chart 2



Statewide Results: Burglary--Otionse File

In this data set, a total of 5604 burglaries were known to the police during the last six months of 1987. The largest number (306 or 5.5%) were reported by the Kentucky State Police Post 9. The next highest total (209 or 3.7%) were reported by Kentucky State Police Post 11. Altogether, the State Police Posts accounted for 2339 burglaries (41.7%) of the total number reported.

In Table 20, it is noted that the peak months for reported burglaries are July (974 or 17.4%), October (973 or 17.4%) and December (17.3%). Most burglaries were reported on Thursdays (851 or 15.2%).

Table 21 reveals that Campbell County had the greatest number of reported burglaries (302 or 5.4%). The next highest total was registered by Christian County with 248 offenses (4.4%). The town with the most reported burglaries was Hopkinsville (206 or 3.7% of the total).

Unlike the pattern for robbery (primarily urban), the bulk of reported burglaries was from the rural areas of Kentucky. The rural burglaries totaled 3282 (58.6%) compared to 2322 (41.4%) for the urban areas. In terms of the victim, 75 of the burglaries (1.3%) had only one victim. Two victims were reported in 609 (10.9%) burglaries; 1659 (29.6%) had three; and 845 (15.1%) had four. Data were not reported for 2416 (43.1%) of the total number of burglary cases. However, since the majority of the burglaries was residential, this multiple victim pattern were not surprising.

Table 22 reveals that victims of all ages were affected by burglaries. Forty-seven (0.7%) were under 18. Eighty-four (1.5%) were between 18 and 19. The percentages then rose dramatically for the age group 20-29 (765 or 13.7%), 30-39 (883 or 15.9%), 40-49 (679 or 12.1%), 50-59 (421 or 8.1%), and 60 and over (536 or 9.6%). Data on age of the victim were not available for 2054 burglaries.

In Table 23, we see that most burglary victims were male (2662 or 47.5%). Females accounted for 22.9 percent of all burglary victims (N = 1285). One hundred and fourteen offenses involved victims whose sex was unknown, resulting in 1543 blank values.

Most of the victims were white (3754 or 67.0%). One hundred and fifty-five (2.8%) were black (see Table 24). Three cases involved American Indians, four involved Asians, and two had Hispanic burglary victims. There were missing data on 1688 of the reported offenses.

Of the 5604 reported burglary cases, 3487 (62.2%) are open; 2030 (36.2%) are closed, and 45 (0.8%) are unfounded. There were 42 (0.7%) blanks for this variable.

Three hundred twenty-one cases were cleared by arrest (5.7%). Six cases (0.1%) involved summonses or citations and 149 cases were exceptionally cleared (2.7%). The reasons for exceptional clearances were: death (two cases), declined extradition (two), refusal to cooperate (11), adult in custody (eight), juvenile not in custody (43), and refusal to prosecute (54).

In Table 25, most victims of burglary were married (2340 or 43.8%). Single persons accounted for 821 offenses (14.7%) while 499 victims (8.9%) were divorced. The marital status of the victim was blank for 1944 (34.7%) cases.

Victimization Day Burglary Offense File Table 20		
Day of Week	Frequency	Percentage
Monday Tuesday Wednesday Thursday Friday Saturday Sunday Blank	718 730 832 759 851 809 721 184	12.8 13.0 14.8 13.5 15.2 14.4 12.9

County of Offense Burglary Offense File Table 21

10210 21		
County	Frequency	Percentage
Adair	36	.6
Allen	40	.7
Anderson	28	.5
Ballard	14	.2
Barren	$\overline{74}$	1.3
Bath	18	.3
Bell	46	.8
Boone	52	9
Bourbon	37	.7
Boyd	69	1.2
Boyle	60	1.1
Bracken	3	1.1
Breathitt	36	.6
Breckinridge	24	. 4
Bullitt	84	1.5
Caldwell	38	.4
Calloway	35	• 4
Campbell	302	.6
Carlisle	4	.1
Carroll	19	.3
Carter	42	
		.7
Casey	11 248	.2
Christian		4.4
Clark	19 70	.3
Clay Clinton		1.2
Crittenden	10 20	.2
	1	.4
Cumberland	6	.1
Daviess	67	1.2
Edmonson	42	. 7
Elliott	27	.5
Estill	24	.4
Fayette	10	.2
Fleming	8	.1
Floyd	121	2.2
Franklin	199	3.6
Fulton	21	.4
Gallatin	17	.3
Garrard	26	•5
Grant	53	.9
Graves	49	.9
Grayson	46	.8
Green	10	.2
Greenup	68	1.2
Hancock	18	.3
Hardin	172	3.1
Harlan	105	1.9

Harrison	43	.8
Hart	21	. 4
Henderson	52	.9
Henry	17	.3
Hickman	4	.1
	38	.8
Hopkins		
Jackson	7	.1
Jefferson	242	6.4
Jessamine	51	.9
Johnson	50	.9
Kenton	165	2.9
Knott	10	.2
Larue	97	1.7
Laurel	30	.5
Lawrence	17	1.9
Lee	2	0
Leslie	14	.2
Letcher	46	.8
Lewis	20	.4
Lincoln	53	.9
Livingston	42	.7
	42	.9
Logan	5	.1
Lyon		
McCracken	14	.2
McCreary	14	.2
McLean	13	.2
Madison	171	3.1
Magoffin	23	. 4
Marion	73	1.3
Marshall	78	1.4
Martin	26	.5
Mason	37	.7
Meade	19	.3
Menifee	14	.2
Mercer	21	. 4
Metcalfe	23	. 4
Monroe	11	.2
Montgomery	25	$\frac{1}{4}$
Morgan	20	4
Muhlenberg	64	1.1
Nelson	24	.4
Nicholas	6	.1
Ohio	41	.7
Oldham	84	1.5
Owen	14	.2
Owsley	17	.3
Pendleton	25	. 4
Perry	87	1.6
Pike	110	2.0
Powell	25	. 4
Pulaski	49	.9
Rockcastle	19	.3
Rowan	56	.9
Russell	27	• 5
Scott	74	1.3
Shelby	35	.6

Simpson	59	1.1
Spenser	17	• 3
Taylor	30	•5
Todd	23	.4
Trigg	36	.6
Trimble	8	.1
Union	58	1.0
Warren	43	.8
Washington	16	.3
Wayne	44	.8
Webster	9	.2
Whitley	101	1.8
Wolfe	23	.4
Woodford	68	1.2

Victim's Age Burglary Offense File Table 22		
Age	Frequency	Percentage
0 17 and Under 18 thru 19 20 thru 29 30 thru 39 40 thru 49 50 thru 59 60 and Over Blank	133 47 84 765 883 679 421 536 2054	2.4 .7 1.5 13.7 15.9 12.1 8.1 9.6 36.7

Sex of Victim Burglary Offense File Table 23		
Sex	Frequency	Percentage
Female Male Unknown Blank	1285 2662 114 1543	22.9 47.5 2.0 27.5

Race of Victim Burglary Offense File Table 24		
Race	Frequency	Percentage
White Black Other Blank	3754 155 7 1688	67.0 2.8 .2 30.1

Marital Status of Victim Burglary Offense File Table 25			
Marital Status Frequency Percentage			
Married 2340 41.8 Single 821 14.7 Divorced 499 8.9 Blank 1944 34.7			

Table 26 notes that 128 victims (2.4%) were handicapped in one form or another. The breakdown of the form of handicap was: five (0.1%) were visually impaired, 12 (0.2%) were hearing impaired, 98 (1.7%) were physically disabled, and 13 (0.2%) were mentally handicapped. Therefore, the largest group of handicapped burglary victims was suffering from a form of physical impairment. This group accounted for 72.5 percent of all handicapped victims. Seven cases did not have the type of handicap recorded.

Table 27 demonstrates that over 70 percent of the burglary victims (4012) were individual households. The next largest category of targets was businesses (1090 or 19.5%). After these two categories, there is a substantial drop in the number of victims for any given category. The third largest group of victims was "societies," i.e. social organizations (172 or 3.1%). Government offices were next (133 or 2.4%), followed by religious organizations (85 or 1.5%), financial institutions (three or 0.1%), and four cases where the type of victim was unknown.

In Table 28, we see that only 34 burglary victims (0.6%) reported that they were injured. This total was much lower than recorded among the robbery victims.

Permanent Kentucky residents were victims in 5538 (98.8%) of the offenses. Forty-two cases (0.7%) involved nonresidents of the Commonwealth.

Statewide Results: Burglary--Arrest File

Table 29 shows that there were 704 arrests for burglary during the reporting period. The largest number of arrests (47 or 6.7%) was made by the Pulaski County Sheriff's Department. Table 30 reveals that 51 burglary arrests were made in Pulaski County. By city, Hopkinsville had the most, 56 reported arrests (8.0%).

In Table 31, we see that of persons arrested for burglary, 72 (10.2%) were under 18--a larger percentage than the robbery arrest category. Forty-eight individuals (6.8%) were 18 or 19. Fifty-nine (8.4%) were between 25-29 years of age. Twenty-four cases (3.3%) involved perpetrators aged 30-39. Offenders in three cases (0.3%) were 40-49 and over 50 in six cases (0.8%). The youngest alleged offender was ten and the oldest was 70.

Table 32 shows that men (656 or 93.2%) were far more likely than women (35 or 5.0%) to be arrested for burglary. Eleven cases were reported as "sex unknown" and two cases were left blank.

In Table 33, we see that blacks are once again overrepresented as burglary arrestees in comparison to their proportion in the Kentucky population. Although whites were the majority category (598 or 84.9%), 88 blacks (12.5%) were arrested for burglary during this time period. The remaining categories listed one American Indian and no Hispanics. Seventeen cases (2.4%) lacked data on the race of the arrestee.

Handicap Explained Burglary Offense File Table 26			
Handicap Frequency Percentage			
Visual Hearing Physical Mental Blank	5 12 98 13 5476	.1 .2 1.7 .2 97.7	

Victim Type Burglary Offense File Table 27			
Victim Type Frequency Percentage			
Business 1090 19.5 Financial Inst. 3 .1 Grocery 133 2.4 Individual 4012 71.6 Other 105 1.9 Religious Org. 85 1.5 Society 172 3.1 Unknown 4 .1			

Victim Injured Burglary Offense File Table 28			
Injured Frequency Percentage			
No Yes Blank	2952 34 2618	52.7 .6 46.7	

Agency Code Burglary Arrest File Table 29

Agency	Frequency	Percentage
KYKSP01	3	.4
KYKSP02	7	1.0
KYKSP03	5	.7
KYKSP04	5	.7
KYKSP05	2	.3
KYKSP06	11	1.6
KYKSP07	2	.3
KYKSP08	14	2.0
KYKSP09	3 7	.4
KYKSP10 KYKSP11	6	1.0
KYKSP11 KYKSP12	7	.9
KYKSP12 KYKSP13	4	1.0
KYKSP13 KYKSP14	6	.9
KYKSP15	4	.6
KYKSP16	4	.6
0020100	2	.3
0030100	10	1.5
0030200	l	1 .1
0040000	l	l i
0040200	Ī	l .ī
0050000	Ī	1 .1
0050200	3	. 4
0050300	3 5 1	.7
0060000		.1
0070100	13	1.8
008000	2	.3
0080100	2	.3
0080200	1	.1
0090000	1	.1
0090100	8	1.1
0110100	13	1.8
0130100	1	.1
0140200	2	.3
0150100	1 5 3	.1
0150400	5	.7
0160000 0170000	3 2	.4
0170000	1	.3
0170100	1 1	.6
0180100	4 5 3 1	.7
0190200	<u>آ</u>	.4
0190200	l ĭ	.1
0190400	2	.3
0190600	18	2.6
0200100	l i	1 .1
0210100	4	.6
	<u> </u>	L

004000		
0240000	9	.9
0240100	16	2.3
0240400	33	4.7
0250000	1	.1
0250100	4	.6
0260000	2	.3
	2	
0260100	6	.9
0270000	3 1	. 4
	1	
0270100	<u> </u>	.1
0300000	5	.7
0300100	6	.9
0330000	4	
	4	۰,6
0340200	4	.6
0360000	1	.1
	ĺ	
0370100		.1
0380000	1	.1
0380100	2	.3
	1	
0410000	1	.1
0420000	1	.1
0420100	6	.9
		• 5
0430100	2	.3
0450200	1	.1
0470100	9	1.3
]	
0470200	1	.1
0480000	1	.1
0490100	1	.1
0500100	1	.1
0510000	5	. 7
0510100	24	3.4
	24	
0520200	3 3	. 4
0530000	3	. 4
0540100	1	.1
		, <u>, , , , , , , , , , , , , , , , , , </u>
0560100	8	1.1
0560400	1	.1
0561000	6	.9
	0	
0561500	3	. 4
0570100	15	2.1
0590100	19	2.7
ll		
0590200 0590300	4	.6
0590300	2	.3
0590600		.1
	1 2	• ‡
0591300	1	.1
0610100	1	.1
0620100		
	<u> </u>	.1
0640100	1	.1
0670100	1 1 3 1	.4
	1	
0670200	Τ	.1
0690100	1	.1
0710000	3	. 4
	1 3	
0710100	2	.3
0730000	5	.7
0730100	1 3 2 5 12	1.7
0,00100		

0540000		
0740000	3	. 4
0760200	3	. 4
0760300	6	.9
	ĺ	.1
0780000	<u>.</u>	
0780100	2	.3
0790000	4	.6
	i	.ĭ
0790100	<u>+</u>	
0810100	1	•1
0820000	1	.1
0840000	_ 1	.1
	<u></u>	• #
0840100	4	.6
0850000	5	.7
0870000	5 1	.1
	1 1	
0870100	1	.1
0890000	4	.6
0890100	1	.1
	j	
0890200	3	. 4
0900000	2	.3
0900100	2	.3
0920000	1 3 2 2 2 2 1	.3
	2	
0930100	<u>.</u>	.1
0960100	1	.1
0970000	2	.3
0970100	2	.3
	2	
0980100	1	.1
1000000	47	6.7
1000100	3	. 4
	2	
1020200	4	.3
1030100	2	.3
1040000	7	1.0
1050100	9	1.3
1060100	12	1.7
1070000	3 2	. 4
1070100	2	. 3
1090100	ī	.1
1090200	. 4	، 6
1100100	1	.1
1110000	1 2	.3
	4	
1130000		.6
1130100	1.	.1
1130200	1	.1
1140000	13	1.8
1140100	1	.1
1160000	7	1.0
1160100	7	1.0
1180000	1.	.1
1180100	11	1.6
1180200	2	.3
	2	
1190000	3 4	. 4
1200100	4	. 6
1200300	2	.3
<u> </u>		

County of Offense Burglary Arrest File Table 30

County	Frequency	Percentage
Allen	2	.3
Anderson	13	1.8
Ballard	2	.3
Barren	10	1.4
Bath	1	.1
Bell	14	2.0
Boone	5	.7
Bourbon	14	2.0
Boyle	14	2.0
Breathitt	1	.1
Breckinridge	2	•3
Bullitt	6	.9
Butler	3 5	. 4
Caldwell	5	.7
Calloway	9	1.3
Campbell	24	3.4
Carlisle	1	.1
Carroll	4	.6
Carter	1	.1
Christian	58	8.2
Clark	5	.7
Clay	11	1.6
Clinton	4	.6
Daviess	13	1.8
Elliott	5	.7
Estill	4	.6
Fayette	4	.6
Floyd	4	.6
Franklin	28	4.0
Fulton	5	.7
Gallatin	1	.1
Grant	4 7	.6
Graves	7	1.0
Grayson	3	. 4
Greenup	4	.6
Hardin	14	2.0
Harlan	3	. 4
Harrison	3	. 4
Hart	1	.1
Henderson	30	4.3
Henry	4	.6
Hickman	1	.1
Hopkins	11	1.6
Jefferson	21	3.0
Jessamine	15	2.1
Kenton	27	3.8
Knox	6	.9

Larue	1	.1
Laurel	2	
	2	.3
Lawrence	3	. 4
Leslie	1	.1
Letcher	6	.9
Lincoln	2	. 3
Logan	6 2 5	7
McCracken	17	2.4
McCreary	3	
McCleary	10	. 4
Madison		1.4
Magoffin	1	.1
Marion	6	.9
Marshall	5	.7
Mason	1	.1
Meade	1	$\overline{1}$
Mercer	5	.7
Metcalfe	5	. 7
Montgomery) 5	.3
	2 2	
Morgan	2	.3
Muhlenberg	9	1.3
Nelson	4	.6
∥ Ohio	2	.3
Oldham	2	. 3
Pendleton	4 2 2 5 5	.7
Perry	5	• 7
Pike	1	.1
Pulaski	51	7.2
Rockcastle	2	.3
Rowan	6	
11	0	.9
Russell	8	1.1
Scott	9	1.3
Shelby	12	1.7
Simpson	5	.7
Spenser	2	.3
Taylor	1	.1
Todd	ī	.1
Trigg	4	.6
Union	7	1.0
PP	18	
Warren		2.6
Wayne	13	1.8
Webster	. 1	.1
Whitley	14	2.0
Wolfe -	6	.9
Woodford	6	.9
Blank	5	.7
		• •

Age of Offender Burglary Arrest File Table 31		
Age	Frequency	Percentage
17 and Under 18 thru 19 20 thru 29 30 thru 39 40 thru 49 50 and Over Blank Missing Data	72 48 59 24 3 6 483	10.2 6.8 8.4 3.3 .3 .8 68.6

Sex of Offender Burglary Arrest File Table 32		
Sex	Frequency	Percentage
Female Male Unknown Blank	35 656 11 2	5.0 93.2 1.6 .3

Race of Offender Burglary Arrest File Table 33			
Race Frequency Percentage			
White 598 84.9 Black 88 12.5 Other 1 .1 Blank 17 2.4			

Table 34 reveals that the largest number of arrestees (54 or 7.7%) had an "unknown" relationship with the victim. Nineteen (2.7%) were "strangers" to the victim. Four cases (0.6%) were "otherwise known", seven were acquaintances, while four cases (0.6%) were neighbors of the victims. In two cases, the arrestee was an ex-wife (0.3%); an additional two cases featured a wife and a boyfriend, and two others were girlfriends of the victims. Finally, in one case, the arrestee was a stepfather of the victim.

The marital status of the arrestee is listed in Table 35. Fifty-four cases (7.7%) involved married offenders. Most offenders (273 or 38.8%) were single and 32 (4.5%) were divorced. Data were missing on 343 victims (49.0%).

Table 36 contains the residential status of the arrestees. The largest number of arrestees (264 or 37.5%) were residents of Kentucky while 11 (11.6%) were not. There were 428 blanks and one incorrect code for this variable.

Of the 704 arrestees listed in Table 37, 18 (2.6%) were reported to be under the influence of alcohol while three (0.4%) were under the influence of drugs. One hundred and forty-five (20.6%) were not abusing substances. Fifty-three (7.5%) cases were listed as unknown and 485 cases were blank for this variable.

Table 38 lists the pleas for these individuals. Of the burglary arrestees, 144 pleaded guilty (20.5%) and 100 (14.2%) pleaded not guilty.

Table 39 contains the final outcome of the cases. One hundred and ninety-five offenders (27.7) were found guilty, 84 (11.9%) arrestees were found not guilty, and 485 cases (60.4%) were blank. Again, these dispositions were determined during the six-month time frame and many cases had not yet been concluded.

In Table 40, we see that 120 cases (17.0%) were dismissed. Twenty-six cases received a disposition listed as "other". Twenty-cases (2.8%) received a concurrent sentence. Fourteen cases (2.0%) were juveniles who were committed to the Cabinet of Human Resources and two juvenile cases were transferred to juvenile court for disposition. Seven cases (1.0%) were transferred elsewhere. Eight cases were bound over to the grand jury (1.3%), while four (0.6%) had informal judgments rendered. Two cases (0.3%) were transferred to a welfare agency and one to another police agency.

Table 41 lists the length of sentence for the arrestees sentenced to jail. Twenty-two individuals (3.1%) were sentenced to 12 months. Twenty persons (2.8%) each received a five-year prison term. Seventeen cases (2.5%) received less than a year in jail. Two people (0.3%) were sentenced to 18 months, five (0.7%) received two-year terms, while seven (1.0%) received three-year sentences for burglary. Three individuals were sentenced to 99 months in prison. There were 626 missing cases (88.9%) for this variable. Some of the missing cases were probably not eligible to receive prison sentences since the case was disposed of at an earlier stage or the case had not reached the disposition stage at the time of data collection.

Victim	Offender	Rela	ationship
Burg	glary Arr	est I	File
-	Table	34	

Relationship	Frequency	Percentage
Aquaintance Boyfriend Girlfriend Neighbor Other Family Otherwise Kn. Relat. Unkn. Stepfather Stranger Wife Ex-wife Blank	7 1 2 4 1 54 1 19 1 2	1.0 .1 .3 .6 .1 .6 7.7 .1 2.7 .1 .3

Marital Status of Offender Burglary Arrest File Table 35

Marital Status	Frequency	Percentage
Married	54	7.7
Single	273	38.8
Divorced	32	4.5
Blank	345	49.0

Residential Status of Offender Burglary Arrest File Table 36

Resident	Frequency	Percentage
Full-time	264	37.5
Non-resident	11	1.6
Y	1	.1
Blank	428	60.8

Offender Under The Influence Burglary Arrest File Table 37

Intoxicant	Frequency	Percentage
Alcohol	18	2.6
Drugs	3	.4
None	145	20.6
Unknown	53	7.5
Blank	485	68.9

Plea Burglary Arrest File Table 38		
Plea	Frequency	Percentage
Guilty Not Guilty C Blank	144 100 9 451	20.5 14.2 1.3 64.1

Finding Burglary Arrest File Table 39		
Plea	Frequency	Percentage
Guilty Not Guilty Blank	195 84 425	27.7 11.9 60.4

Disposition Burglary Arrest File Table 40			
Outcome	Frequency	Percentage	
Aquittal Comm. Juv. Concurrent Consecutive Dismissal GDJ Inform. Judmnt. Handled w/in Dept Juv Ct. or Probat. Refer Welfare Merged Other Transfer Blank	1 14 20 1 120 9 4 2 2 1 8 26 7 489	.1 2.0 2.8 .1 17.0 1.3 .6 .3 .3 .1 1.1 3.7 1.0 69.5	

Table 42 shows that, if an offender was probated, the most frequent term was 24 months (31 or 4.4%). The next highest category was one year (18 or 2.6%), while the remaining categories were: four months (1 or 0.1%), five months (2 or 0.3%), six months (5 or 0.5%), or 11 months (3 or 0.4%). Four people were sentenced to 36 months probation (0.6%) and one person (0.9%) received a 57 month probationary sentence.

Jurisdictional Results: Burglary--Listing File

The burglary listing file provides an example of how incident-based data can be used by operational level personnel to examine the pattern of offenses within their particular jurisdictions. In this example, we review burglary cases from Kentucky State Police Post 9. We selected a limited number of variables to illustrate our point. In addition to the Uniform Crime Report code, we produced a listing of the Uniform Offense Report code (from the Kentucky form) and the Kentucky Revised Criminal Code number under which the offense was filed. This listing file is Appendix C of this report.

For the first case, we can see that this particular burglary was a Class C felony involving burglary in the second degree--forced entry, residence. The case number is reported, as is the month. The day and time of the offense are missing. The offense took place in Johnson County and it was classified as a rural crime. Continuing across the row, the victim was an individual, the case was classified as closed. The victim was a white male, aged 62. The victim was not under the influence of any substance and was a full-time resident of Kentucky.

In the second case, we can obtain the same information. However, we can also see that there were two victims. In addition, note that the offense took place between the hours of midnight and 01:00 on the third shift.

This information, coupled with the previously listed summary data, can assist operational planning for a department. Here, we demonstrate this potential by focusing upon Kentucky State Police Post 9 and burglaries reported in this jurisdiction.

In Table 43, we see that most of the burglaries took place in November (63 or 20.6%) and December (64 or 20.9%). Table 44 reveals that Friday (52 or 17%) and Saturday (53 or 17.3%) were the peak days of activity.

In Table 45, we see that the largest number of offenses took place between 1:00 and 2:00 (52 or 17%) in the morning. The next most frequent hour was 2:00 - 3:00 (36 or 11.8%) burglaries.

Table 46 reveals that, in this jurisdictional area, Pike and Floyd Counties had the highest number of burglaries reported to the police. There were one hundred and nine burglaries in each county, accounting for 71.2 percent of the total number reported. The town with most reported burglaries was Prestonberg. Only seven of the cases (2.3%) were reported in urban areas. The bulk of burglaries (299 or 97.7%) was from rural areas.

Months in Jail Burglary Arrest File Table 41		
Months	Frequency	Percentage
1 2 3 6 12 18 24 36 60 99 Blank	2 9 4 4 22 2 5 7 20 3 626	.3 1.3 .6 .6 3.1 .3 .7 1.0 2.8 .4 88.9

Months Probation Burglary Arrest File Table 42		
Months	Frequency	Percentage
2 4 5 6 11 12 24 36 57 60 Blank	5 1 2 5 3 18 31 4 1 6 628	.7 .1 .3 .7 .4 2.6 4.4 .6 .1 .9

Victimization Month Kentucky State Police Post 9 Table 43		
Victim. Month	Frequency	Percent
July August September October November December	41 56 38 44 63 64	13.4 18.3 12.4 14.4 20.6 20.9

Victimization Day Kentucky State Police Post 9 Table 44		
Victim. Day	Frequency	Percent
Monday Tuesday Wednesday Thursday Friday Saturday Sunday Blank	45 38 34 36 46 52 53	14.7 12.4 11.1 11.8 15.0 17.0

Counties in Kentucky State Police Post 9 Table 45		
County	Frequency	Percent
Floyd Harlan Johnson Magoffin Martin Pike	109 1 42 19 26 109	35.6 .3 13.7 6.2 8.5 35.6

When these data were compiled, Table 47 reveals that 74 cases (24.2%) remained open, while 231 (75.5%) were closed. One case was unfounded.

The average age of the burglary victims was 41.25. Table 48 indicates that half of the victims were under age 38. The pattern indicates that there were more older victims in this area. The oldest victim was 87 and the youngest was 16.

In Table 49, we see that most of burglary victims in the offenses reported to Post 9 were men (132 or 43.1%). Women were victims (67) in 21.9 percent of the cases.

For race, Table 50 reveals that there were 197 white victims (64.4%), one black victim and one American Indian victim. There was no information on the race of the victim in 107 (35%) cases.

Table 51 illustrates that married persons (135 or 44.1%) were most often the victims of burglary among the cases reported to Post 9. Twenty-four victims were single (7.8%) and 37 (12.1%) were divorced. The data on this variable were blank in 110 cases (35.9%).

In Table 52, we note that the majority of victims (201 or 65.7%) were individuals. The next highest category was businesses (81 or 26.5%), followed by "societies" (14 or 4.6%), government facilities, religious organizations, and other types (six or 2.0%).

In Table 53, we see that only one victim was injured among the offenses reported to Post 9. This injury was not self-inflicted. Table 54 reveals that none of the victims was under the influence of drugs or alcohol.

The residential status of the burglary victims is listed in Table 55. Three hundred-two victims (98.7%) were full-time residents of Kentucky. Three (1.0%) were part-time residents and one was not a resident.

Next, we collapsed the time period of the burglaries into three shift categories. Thus, these categories do not represent the actual deployment patterns of the Kentucky State Police. In Table 56, we see that Shift Three (midnight to 8:00 a.m.) had the most reported burglaries (162 or 52.9%) followed by Shift Two (74 or 24.2%) and Shift One (8:00 a.m. to 4:00 p.m.; 65 or 21.2%).

Of course, the patterns in these data can be further elaborated through the use of cross-tabulations. Here, we provide several examples of this method. This type of analysis allows more precise specification of the various characteristics of the crime in the areas under consideration.

In the first example, we examine the distribution of burglary cases by shift and day for the various counties served by Kentucky State Police Post 9. In Table 57, representing Floyd County, Sunday and Monday were the days when burglaries were most likely to occur. On both days, the largest number of burglaries took place on the third shift, followed by the second shift.

In Harlan County, there was only one burglary reported during the reporting period. It took place on the third shift.

Geographic Location: Kentucky State Police Post 9 Table 46		
Geo. Location	Frequency	Percent
Rural Urban	299 7	97.7 2.3

Status of Case: Kentucky State Police Post 9 Table 47		
Status	Frequency	Percent
Open Case Closed Case Unfounded	74 231 1	24.2 75.5 .3

Age of Victim: Kentucky State Police Post 9 Table 48		
Age	Frequency	Percent
17 and Under 18 thru 19 20 thru 29 30 thru 39 40 thru 49 50 and Over Missing Data	1 40 61 34 58 114	.3 1.3 13.1 20.0 10.6 17.4 37.3

Sex of Victim: Kentucky State Police Post 9 Table 49		
Sex	Frequency	Percent
Male Female Blank	132 67 107	43.1 21.9 35.0

Ken	Race of Victim tucky State Police Post Table 50	9
Race	Frequency	Percent
White Black Other Missing	197 1 1 107	64.4 .3 .3 35.0

Marital Status of Victim Kentucky State Police Post 9 Table 51		
Marital Status	Frequency	Percent
Married Single Divorced Blank	135 24 37 110	44.1 7.8 12.1 35.9

Burglary Victim Type Kentucky State Police Post 9 Table 52		
Victim Type	Frequency	Percent
Building Government Individual Other Religious Society	81 6 201 2 2 14	26.5 2.0 65.7 .7 .7 4.6

Injured Burglary Victim Kentucky State Police Post 9 Table 53		
Injured	Frequency	Percent
No Yes Blank	179 1 126	58.5 .3 41.2

Under the Influence Kentucky State Police Post 9 Table 54		
# of Burg. Vict	Frequency	Percent
None Blank	178 128	58.2 41.8

Residential Status Kentucky State Police Post 9 Table 55		
Resid. Status	Frequency	Percent
Full-time Non-resident Part-time	302 1 3	98.7 .3 1.0

Burglaries by Shift Kentucky State Police Post 9 Table 56		
Shift	Frequency	Percent
8:00 AM- 4:00 PM 4:00 PM-12:00 AM 12:00 AM- 8:00 AM Missing	65 74 162 5	21.2 24.2 52.9 1.6

In Johnson County, Table 58 reveals that Thursday is the peak day for burglary, followed by Saturday. A greater proportion of Johnson County burglaries took place on the third shift than was the case for Floyd County (68.3% versus 56.1%).

In Magoffin County, we see in Table 59 that the distribution of burglaries over the days of the week was fairly uniform. As was the case in Floyd and Johnson Counties, the largest number of burglaries took place on the third shift.

As in Magoffin County, Table 60 shows that the distribution of offenses in Martin County was fairly uniform. In addition, the largest number of burglaries took place on the third shift.

The pattern of reported burglaries in Pike County (Table 61) resembles that of Floyd County more than the other counties in the area. The distribution of offenses is not uniform across the days of the week. The peak day was Saturday. Also, in Pike County a smaller proportion of the burglaries took place on the third shift than in the other counties.

In our next cross-tabulation example, we look at the distribution of victim types by the time of the offense for the various counties under the jurisdiction of Post 9. In Floyd County (Table 62), we can see that most burglaries involve individual victims, followed by businesses. We can see that individuals are far more likely to be burglary victims between 8:00 a.m. and midnight, but in the time between midnight and 8:00 a.m., businesses and individuals were equally likely to be victims of burglary.

In Harlan County, the one burglary reported on the first shift involved a business.

In Johnson County, we see in Table 63 that the pattern of overall burglary victimization is roughly bimodal. That is, about the same number of businesses and individuals were burglary victims. However, there was a clear difference in the time in which these two groups were victimized. Burglaries of businesses took place almost exclusively on the third shift, while burglaries involving individuals mostly took place on the third and first shifts.

Table 64 lists only three burglaries (17.6%) of businesses in Magoffin County. All three business burglaries took place on the third shift. Over one-half (58.8%) of the burglaries involved individuals. Most of the burglaries of individuals took place on the third shift.

Table 65 notes that Martin County's business burglaries took place exclusively on the third shift, as did the majority of burglaries of individuals. Martin County is a bit unusual in that more burglaries of individuals were reported during the second shift than on the first.

Like the other counties, Pike County had more individual than business victims (Table 66). The largest number of business burglaries took place on the third shift. The pattern of individual burglaries was uniform across the shifts. However, given the business burglary pattern, overall, burglaries were more common on the third shift.

Crosstabulation of Shift By Day of the Week, Controlling for County Floyd County Table 57

DAY	OF	WEEK

		Mon	Tues	Wed	Thu	Fri	Sat	Sun	Row Total
C	8:00 A.M 4:00 P.M.	2	3	2	5	3	1	2	18 16.8
S H I F	4:00 P.M 12:00 A.M.	5	3	4	3	5	1	8	29 27.1
T	12:00 A.M 8:00 A.M.	12	10	4	4	8	10	12	60 56.1
	COLUMN TOTAL	19 17.8	16 15.0	10 9.3	12 11.2	16 15.0	12 11.2	22 20.6	107 100.0

Crosstabulation of Shift By Day of the Week, Controlling for County Johnson County Table 58

DAY OF WEEK

		Mon	Tues	Wed	Thu	Fri	Sat	Sun	Row Total
	8:00 A.M 4:00 P.M.	0	0	1	1	3	1	2	8 19.5
S H I	4:00 P.M 12:00 A.M.	0	1	0	1	0	1	2	5 12.2
F	12:00 A.M 8:00 A.M.	5	2	1	10	1	7	2	28 68.3
	COLUMN TOTAL	5 12.2	3 7.3	2 4.9	12 29.3	4 9.8	9 22.0	6 14.6	41 100.0

Crosstabulation of Shift By Day of the Week, Controlling for County Magoffin County Table 59

	DAY OF WEEK														
		Mon	Tues	Wed	Thu	Fri	Sat	Sun	Row Total						
6	8:00 A.M 4:00 P.M.	1	1	0	0	1	0	1	4 23.5						
S H I F	4:00 P.M 12:00 A.M.	0	0	0	0	0	1	1	2 11.8						
T	12:00 A.M 8:00 A.M.	1	0	2	2	2	2	2	11 64.7						
	COLUMN TOTAL	2 11.8	1 5.9	2 11.8	2 11.8	3 17.6	3 17.6	4 23.5	17 100.0						

Crosstabulation of Shift By Day
of the Week, Controlling for County
Martin County
Table 60

l															
		DAY OF WEEK													
		Mon	Tues	Wed	Fri	Sat	Sun	Row Total							
<u>ر</u>	8:00 A.M 4:00 P.M.	0	0	1	0	1	0	2 7.7							
S H I F T	4:00 P.M 12:00 A.M.	2	2	0	1	0	1	6 23.1							
T	12:00 A.M 8:00 A.M.	3	3	2	4	4	2	18 69.2							
	COLUMN TOTAL,	5 19.2	5 19.2	3 11.5	5 19.2	5 19.2	3 11.5	26 100.0							

Crosstabulation of Shift By Day of the Week, Controlling for County Pike County Table 61

DAY OF WEEK Row Mon Tues Thu Fri Wed Sat Sun Total 8:00 A.M.-6 4 5 2 6 6 3 32 4:00 P.M. 29.4 4:00 P.M.-1 3 4 6 7 7 32 12:00 A.M. 29.4 F 45 12:00 A.M.-7 8 6 7 3 4 10 8:00 A.M. 41.3 23 COLUMN 13 12 16 10 18 17 109 11.9 11.0 14.7 9.2 16.5 21.1 15.6 100.0 TOTAL

Crosstabulation of Victim Type By Shift, Controlling for County Floyd County Table 62

SHIFT 8:00 A.M. 4:00 P.M. 12:00 A.M. ROW 4:00 P.M. 2:00 A.M. 8:00 A.M. TOTAL 3 1 28 32 Business 29.9 VICTIM 0 0 1 0.9 Govt. 26 15 29 70 Individ. 65.4 1 T Y P E 0 1 Other 1.9 0 1 1 2 Society 1.9 29 60 COLUMN 18 107 16.8 27.1 56.1 100.0 TOTAL

Crosstabulation of Victim Type By Shift, Controlling for County Johnson County Table 63

	SHIFT														
		8:00 A.M. 4:00 P.M.	4:00 P.M. 2:00 A.M.	12:00 A.M. 8:00 A.M.	ROW TOTAL										
	Business	1	1	17	19 46.3										
V I C T I	Govt.	0	1	0	1 2.4										
I M	Individ.	7	3	8	18 43.9										
T Y P E	Religious	0	O	1	1 2.4										
E	Society	0	0	2	2 4.9										
	COLUMN TOTAL	8 19.5	5 12.2	28 68.3	41 100.0										

Crosstabulation of Victim Type By Shift, Controlling for County Magoffin County Table 64

	SHIFT														
		8:00 A.M. 4:00 P.M.	4:00 P.M. 12:00 A.M.	12:00 A.M. 8:00 A.M.	ROW TOTAL										
77	Business	0	0	3	3 17.6										
V I C T I M	Govt.	0	1	0	1 5.9										
I M	Individ.	3	1	6	10 58.8										
T Y P E	 Religious	1	0	0	1 5.9										
E	Society	0	0	2	2 11.8										
	COLUMN TOTAL	4 23.5	2 11.8	11 64.7	17 100.0										

Crosstabulation of Victim Type By Shift, Controlling for County Martin County Table 65

SHIFT														
		8:00 A.M. 4:00 P.M.	4:00 P.M. 12:00 A.M.	12:00 A.M. 8:00 A.M.	ROW TOTAL									
V	Business	0	0	7	7 26.9									
CY	Individual	2	5	10	17 65.4									
I E M	Society	0	1	1	2 7.7									
	COLUMN TOTAL	2 7.7	6 23.1	18 69.2	26 100.0									

Overall, the jurisdictional data yield a great deal of information about burglaries in specific areas. If these types of data were available and presented to police departments, decisionmakers could make informed decisions about personnel placement and program development in their specific areas.

Crosstabulation of Victim Type By Shift, Controlling for County Pike County Table 66

	SHIFT														
17		8:00 A.M. 4:00 P.M.	4:00 P.M. 12:00 A.M.	12:00 A.M. 8:00 A.M.	ROW TOTAL										
V I C T I M	Business	0	3	15	18 16.5										
I M	Govt.	1	0	2	2 2.8										
T Y P E	Individ.	28	28	26	82 75.2										
E	Society	3	1	2	6 5.5										
	COLUMN TOTAL	32 29.4	32 29.4	45 41.3	109 100.0										

CONCLUSION

The Uniform Offense Report data can provide information which could be valuable to officials at both the administrative (state) and operational (local) levels. This analysis is designed to serve as the starting point in the establishment of a long-term relationship between the Kentucky State Police, the Kentucky Criminal Justice Statistical Analysis Center, and the U.S. Bureau of Justice Statistics to analyze crime patterns in Kentucky.

APPENDICES

APPENDIX A

UNIFORM OFFENSE REPORT

UNIFORM OFFENSE REPORT COMMONWEALTH OF KENTUCKY

AGENCY COPY

UOR 1 Rev. 5-87

1. AGE	ENCY:	2. ORI:		3. CASE NO.:									
4. TITL	LE OF INVESTIGATION	1, 🗆 FELONY 2. 🗆 MIS	DEMEANOR 3. OTHER	CITATION NO(S):									
CLA	ASS DEGREE	4. D VIOLATION 5. D ORD	DINANCE 6. TECHNICAL										
		6. VIOLATION CODE	.,	COMPLEXITY SUPPLEMENTARY									
7. REP	PORTED BY		9. HOW REPORTED CODE: () TIME									
	LAST FIRST	MIDDLE		RECEIVED [:] DISPATCHED [:]									
& ADD	DRESS PHONE			ARRIVED [:] CLEARED [:]									
	10. EXACT LOCATION OF OFFENSE		SECTOR NO.	DAY YEAR									
			SECTION NO.	1. □ INSIDE 3. □ URBAN									
Z				2. □ OUTSIDE 4. □ RURAL									
$\underline{\circ}$	CITY COUNTY	STATE	ZIP	12. LOCATION TYPE:									
CATIO	13. VICTIM'S: (PERSONAL CRIME ONLY)	14. OFFENDERS: (PERSO		10005 /									
Ü	1. ☐ CAR 3. ☐ HOME 2. ☐ BUSINESS 4. ☐ PROPE	1. U C. RTY 2. [] B	AR 3. ☐ HOMI USINESS 4. ☐ PROP										
2	*LOCATION TYPE CODES: 01-AIR/BUS/TRAIN TERM; 02-BANK	K/S&L 03-BAR/N. CLUB; 04-CH -GOVNT/PUB BLDG; 12-GROCEI	HURCH; 05-COMMERC/OFFICE BL	.DG; 06-CONSTR. SITE; 07-CONV. STORE; 08-DEPT/DISCNT STORE; M; 15-LAKE/WATERWAY; 15-LIQUOR STORE; 17-PKING LOT/GARAGE;									
-	15. TIME OF OFFENSE EXACT	e construe dell'error di accompanyone dell'Alla della	6. WEATHER 1. 🗆 CLEAR 2.										
	DAY OF WEEK: [] DATE: []	TIME: [:]	CONDITIONS: 3. ARAIN 4.	. □ SNOW 2. □ POOR 3. □NOT APPLICABLE									
	WEAPON OR TOOLS INVOLVED	19. OFFENSE RELATED T	TO:										
	1. NO 2. YES 3. SPECIFY 20. VEHICLES INVOLVED 21. STOLES	V VEHICLE RECOVERED) DRUG () COMPUTER	() UNKN. 4. ☐ OTHER 22. OPERATION ID 1. ☐ YES									
_	1, [] AUTO A. (STLN RECOVO LOCALLY; B. () STLN LOCALLY/RECVD OTHER	JURISD;									
Z)	STEN OUT OF TOWN RECOV	PERTY CONDITION CODE) (SEE	SSN 2. 🗆 NO									
DATA		<u> </u>	<u>l</u>] s	\$ <u>[] S\$</u>									
	R\$ R\$			\$ <u> </u>									
띴				COVERED PROPERTY RECOVERED PROPERTY ONDITION [] CONDITION []									
FENSE	18. TOTAL VALUE	24. ARSON () STRUCTU	RE UNINHABITED	AMOUNT									
ш	S \$ R \$ 25. LARCENY BY TYPE	TYPE PROPERTY A	BU CU DU EU F	G G H G I G J G OF LOSS \$ CONTENTS									
u.		E SNATCHING \$	3. SHOPLIFTING \$	4. ☐ FROM MOTOR VEHICLES \$									
0	5. MOTOR VEHICLE PARTS & ACCESSORIES \$	6. 🗆	BICYCLES \$	7. ☐ FROM BUILDINGS \$									
	9. 🗆 FROM	ANY											
	8. ☐ FARM EQUIPMENT \$COIN												
	26. BURGLARY ONLY: 1. ☐ FORCIBLE ENTRY 28. TYPE COERCION (EXTORTION/BLACKMAIL OFFENSE ONL)	2. NO FORCE Y) 29 OFFENSE INVOIN	3. [] ATTEMPTED VING DRUGS (SEE JACKET FOR	27. POINT OF ENTRY ()									
	A.() MISUSE AUTHOR, F. () THREAT/FORCE; P. () T	THREAT											
	OF PROSECUTION/HARMED REPUTATION; O.() OTHER 30. NAME:	TYPE ();	QUANTITY (/); Y	VALUE (\$)									
	00.17411121												
	LAST FIRST MIDDLE	ADDRESS	CITY	STATE ZIP PHONE NO.									
	31. DOB.: AGE [] 32. SEX 33 RACE	3. AMERICAN 4, AS		35. OCCUPATION									
	1. □ M		OR H□ N□NO CIFIC HISPANIC HISPAN	ır									
ابد	MONTH DAY YEAR		NDER	36. VICTIM TYPE: CODE ()*									
ATA	37. MARITAL STATUS: 38 1. MARRIED 2. SINGLE 3. DIVORCED	I. HANDICAPPED? () YES (A. () VISUAL; B. () HEAR) no if yes, code: () Xing; c. () phys, disabled; d.	*i-individ; B-Bus; C-fin/inst; G-Gov; R-Relig. ORG; S-Society; O-Other; U-UNKN.									
2	39. VICTIM STATUS: 1. INJURY TYPE: N ☐ NONE;		40. HOW INJURED:	() ACCIDENTAL () SELF-INFLICTED () UNKN.									
1	B ☐ APPARENT BROKEN BONES; D ☐ DEATH;	I 🗆 POSS. INT. INJURY	41. MEDICAL ATTEN	I. REQUIRED () YES () NO									
VICTIM	L 🗆 SEVERE LACERATION; M 🗆 APPARENT MINO O 🗆 OTHER MAJOR INJURY; T 🗆 LOSS OF TEETI												
大	43. KENTUCKY RESIDENT STATUS: F. □ FULL-TIME; P. □ PAR	TTIME: N / NON DECIDENT	42. VICTIM UNDER	INFLUENCE? NO YES SPECIFY:									
\approx		OPEN; I CLOSED;		44. CARRIED FOR UCR BY CONTRIBUTOR: 1. OTHER AGENCY 2. OTHER AGENCY 2.									
	C CLEARED BY ARREST; S S SUMMONED/CITE			46. POLICE/KILLED OR ASSAULTED:									
	*BASIS FOR E: A □ DEATH; B □ PROS. DI D □ REFUSED TO COOP; E □ JUV/NO CUSTODY;			1. 2.									
	47. AGGRAVATED ASSAULT/HOMICIDE CIRCUMSTANCES COL	DE: 01-ARGUMENT; 02-C		NCARCERATED; 05-LOVERS QUARREL; 06-OTHER FELONY;									
	48. NEGLIGENT MANSLAUGHTER CODE: 30-CHILD PLAY W/WEAPON; 31-GUN CLEANING ACCID.; 32-HUNTING ACCIDENT; 33-OTHER NEGL. WEAPON HANDLING; 34-VEHIC. NEGL.; 35-OTHER												
			ACKED FELLOW P. OFFICER; C-AT IESISTING ARREST; G-UNABLE TO	TTACKED CIVILIAN; D-FLIGHT FROM CRIME; D DETERMINE.									

PURSUANT TO KRS 15A.190 AND KRS 17.150

APPENDIX B

PROBLEMS IN DATA COLLECTION AND ANALYSIS

PROBLEMS IN THE PREPARATION AND ANALYSIS OF THE UNIFORM CRIME REPORT/UNIFORM OFFENSE REPORT DATA: RECOMMENDATIONS FOR FUTURE ANALYSIS

This analysis represents the first collaboration between SAC and a police agency to analyze the new incident-based format of crime reporting. Naturally, all new ventures have problems in terms of determining procedures and lines of communications. We offer this appendix in the hope that it will serve to instruct others who undertake such a collaborative analysis in the future.

The first segment deals with data formatting problems. It took the SAC several months to obtain a data tape of the crime reports that was in a format amenable to analysis. The format required by the Federal Bureau of Investigation was impossible to reduce to analysis. It was finally determined that a "flat file" format, which would allow us to access each variable and obtain a count for each, was the best method. Our recommendation is that police departments should enter and maintain these data in this configuration so that they (as well as outside analysts) can easily access the data and examine the patterns of interest.

The second group we label data specification problems. As noted in the report, a great deal of the data were listed as either blank or missing. What we still do not know is whether, in some cases, the data element was "not applicable". In other words, it made no sense to fill it in for this particular case. For example, on burglaries, "not applicable" would be the most appropriate response for the variable "victim" when a business is the target of the offense. Our recommendation is that the category "not applicable" should be provided for on the Uniform Offense Report in the appropriate categories. Then, the actual extent of missing data could be determined.

Third, we include a number of suggestions made by officers attending the Southern Police Institute (SPI) at the University of Louisville. We made presentations to two classes at the SPI during the spring of 1989. Each class made similar recommendations. They noted the distinction between the data required by administrative and operational personnel in terms of crime analysis. In other words, statewide patterns, while they would benefit broad considerations of policymakers, would be of little use to operational personnel attempting to solve a particular crime pattern within their jurisdictions. We attempted to demonstrate that these data can meet this demand but one problem still remains. By the time that SAC analysts obtain the data, analyze it, and report it back to the jurisdiction, the trail is probably very cold and the results of the analysis are stale and out of date.

Fourth, there are too many missing data for several variables. Departments across the state need to impress upon their personnel the importance of completing the form. Persons processing the data also should be instructed to recover as much information as possible from street level personnel.

On the basis of this advice, we offer the following recommendation: The data compiled by each department should be maintained on the department computer and the data should be in a "friendly"

format which can be easily accessed without the use of a complicated computer program. If these data are not usable and cannot be accessed by operational personnel with little trouble and effort, this data system will never reach its full potential. Furthermore, if the street level police officer feels that this form and the data resulting from it have no practical use, the quality of the data will never improve. Valid data must be obtained or the resulting analysis will be meaningless.

APPENDIX C

LISTING FILE REPORTED BURGLARIES IN KENTUCKY STATE POLICE POST 9

V T C 5 5 C TT DI AS AH T IJ C DASS 6 E V II UCR VCODE **KRS** CASENUM VMNTH Y E Y OCITY R V D N VCTM R R 1 2 E X RACE MSTAT T I INJRD SELFINF RSDNT SHIFT 09-87-1716 58 5809 R . . 50 22022 511.030 7 62 M INN F 10 22083-1 511.040 09-87-1720 4 00 58 5810 R 2 . 1.. 34 M 1 INN 3.00 50 22083 .09-87-1722 7 4 04 77 7701 R . . S 3.00 511.040 9808 R . . 50 22021 511.020 09-87-1726 7 6 03 98 ρ 3.00 48 F 3 3 INN 09-87-1727 9818 R . . 1 3.00 50 22083 511.040 6 01 39 H INN 50 22083 511.040 09-87-1729 6 01 98 9832 R . . 42 M 1 INN F 3.00 1..1 50 22083 511.040 09-87-1730 7 6 12 98 9802 R . . 5 F 1.00 09-87-1733 9818 R . . INN F 50 22022 511.030 7 9 55 98 2.00 30 M 1 09-87-1736 7 22 25 M 50 22021 36 3612 R . . INN 2.00 511.020 09-87-1740 50 22083 511.040 6 04 36 3602 R . . 3.00 6 50 22022 09-87-1744 7 04 98 511.030 7 9865 R . . 1..I 50 M INN 3.00 50 22083 511.040 09-87-1746 7 1 01 36 3603 R 2 . 1 . . I В 3.00 09-87-1747 7 3641 R . . F 2.00 50 22083 1 17 36 0 511.040 50 22022 511.030 09-87-1754 2 04 36 3622 R . . INN 3.00 1..I 64 H 22083-1 511.040 F 50 09-87-1775 7 5 02 58 5801 U . . В 3.00 50 22042-1 511.030 09-87-1783 7 5 13 36 3645 R . . 29 M F 1.00 1 1 INN 32 H 55055 09-87-1800 1 01 80 8010 R 1 . 1 3.00 50 511.030 INN 50 22042 . 511.030 09-87-1806 5 15 36 3628 R . . 25 M INN 1.00 1..I 1 22042 09-87-1813 7 1 12 98 9840 R 3 . 1 . . I C F 50 511.030 1 INN 1.00 9826 R . . 50 22083 511.040 09-87-1823 7 3 03 98 1., I 58 M 1 INN 3.00 09-87-1862 7 23 2.00 50 22083 511.040 98 9802 R . . S 50 22042 09-87-1865 1 21 F 2,00 511.030 98 9801 R . . 1..I INN 36 M 50 22083 511,040 09-87-1773 7 5 01 80 8004 R . . В F 3.00 50 22022 511.030 09-87-1840 4 01 58 5825 R . . 69 F INN ۶ 3.00 5825 R . . 50 22083 09-87-1846 6 02 58 3.00 511.040 1 . . A I 50 22021 09-87-1867 7 77 7719 R . . 511.020 1 . . A 31 M 1 INN 50 22083 09-87-1928 7 7 03 36 3601 R . . В F 3.00 511.040 1 . . I 50 22083 511.040 09-87-1890 6 01 98 9835 R . . 1 . . I INN 3.00 50 22083 09-87-1969 5 09 98 9801 U . . 1 . . A C 1.00 511.040 50 22083 09-87-1987 4 01 5808 R . . 1 . . I 511.040 58 В 3,00 50 22083 09-87-1905 7 02 8010 R . . B F 3.00 511.040 7 80 50 22022 511.030 09-87-1921 3 01 58 5808 R . . 24 F INN 3.00 22 F 50 22022 511.030 09-87-1929 7 6 01 58 5808 R . . 1., I 1 INN 3.00 50 22083 09-87-1931 7 36 3641 R . . 1..I 1.00 511,040 1 08 В 511,030 7709 R . . F 50 22022 09-87-1935 7 7 21 77 i..A 2.00 INN 50 22083 511.040 09-87-1936 5 00 36 3622 R . . 3,00 50 22021 09-87-1947 2 21 2.00 511.020 7 36 3601 R . . 87 M INN 1 50 22042 511.030 09-87-1953 3 13 36 3602 R . . 1 . . I 55 F INN 1,00 50 22083 09-87-1962 5 04 98 9848 R . . F 3.00 511.040 7 6 50 22022 511.030 09-87-1946 36 3622 R . . 1 . . I . F 1 INN 50 22022 511.030 09-87-1967 7 5 12 98 9825 R . . 1. . I 16 F 1 INN 1.00 09-87-2231 3601 R . . 3.00 50 22021 511.020 9 2 01 36 40 M 1 3 INN 1.00 50 22083 511,040 09-87-2236 5 08 36 3601 R . . 1 INN 50 22083 09-87-2245 3 01 3612 R . . F 3,00 511.040 36 В 50 22083 09-87-2254 F 511.040 9 5 11 58 5809 R . . В 1.00 55083 09-87-1984 9 55 98 9818 R 3 . 2.00 50 511.040 8 55 M INN 1 1 50 22022 7 21 36 89 W 1 2.00 511.030 09-87-1965 8 3624 R . . 1 . . I 1 INN 50 22021 511.020 09-87-1989 1 12 36 3606 R . . 1..A 32 F 1 3 INN 1.00

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	22083	511.040	09-87-2229		1 20			R.						К	1 1	I			F	2.00
	25055	511.030	09-87-2048		6 08			R.					30	F	1 3		N N		F	3.00
	55055	511.030	09-87-2067		3 01			R.					38		1 1		N N		F	3.00
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	22021	511.020	09-87-2631		4 2		9824	R.								1 1	1	I				F	2.00
	55083	511.040	09-87-3172	12	1 2	2 98	9836	R.			i		. I					B				F	2.00
	22021	511.020	09-87-3009		7 2						1		. A	€ 7	2 F	1	5	I	N	N		F	2.00
	55083	511.040	09-87-2963		7 1						1		. I					S				F	1.00
	55083	511.040	09-87-2962		70						1		I					В				F	3.00
	55055	511.030	09-87-2997		7 0						1		. I	3	9 F	- 1	3	I	N	N		F	3.00
	55055	511.030	09-87-2955		4 2						1		I	4	4 F	1	2	I	N	N		F	2.00
	22042	511.030	09-87-2988		7 1						1		I	E 4	8 F	1	1	I		N		F	1.00
	22083	511.040	09-87-2980		1 0;									4				I	N	N		F	3.00
	22083	511.040	09-87-2981		1 0											1	1	I	N	N		F	3.00
	22083	511.040	09-87-2982		1 03									C 4	5 M	l i	1	I	N	N		F	3.00
	22013	511.040	09-87-2871		4 0						1		I			•		В				F	3.00
	55083	511.040	09-87-2920		6 01		5811											S				F	3.00
		511.040	09-87-2916		7 03													В				F	3.00
	22083	511.040	09-87-2919		1 04										,			В				F	3.00
	22041	511.020	09-87-2923		1 08						1		I	5:	M	1	1	I	N I	N		F	1.00
	55083	511.040	09-87-2934	11		36	3605								r			B				F	
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	22083	511.040	09-87-2647		5 19		9820					٠,						B				F	2.00
	22042	511.030	09-87-2965		7 12		5801				1				M			I	N I	4		F	1.00
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	22042	511.030	09-87-2514		2 11		9866				1		A	45	М	1	1	I	¥			F	1.00
	22022	511.030	09-87-2530		1 18		8001				1		A	27	Ħ	1	1	I	1 1	l		F	2.00
	55083	511.040	09-87-2545		6 23		7705											6				F	2.00
	22083	511.040	09-87-2651		2 01		5813				1.							В				F	3.00
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	22022	511.030	09-87-2990		3 20		9824				1.			19		1		IN				N	2.00
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	22013	511.040	09-87-2943				3656				1.					•		В			-	F	1.00
	22022	511.030	09-87-2946				3615				i.			40		1	1	IN	N		1	F ·	3.00
	22022	511.030	09-87-2878		3 11		9811				i.			27	М	1	1	I	Y		1	F	1.00
	2083	511.040	09-87-2486		9 05		3601				1.					•	l	3			i	F	3.00
	55055	511.030	09-87-2493		4 12						1.			21		1		IN				F	1.00
	2021	511.020	09-87-2501		5 02		8004				i.			54		1		I N			ĺ	F	3.00
	2022	511.030	09-87-2506		7 05		9820				1.			33	K	1	1	I N	И		1	F	3.00
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	2022	511.030	09-87-2841		7 18		9812				1.			30		1	1 1	N	N		f	F .	2.00
50 2		511.030	09-87-2842		1 14	98	9842				i.			29	M	1 .	i 1	N	N		F	:	1.00
50 2		511.040	09-87-2521			98	9833				1.						I	}			F	=	3.00
50 2		511.030	09-87-2844		1 16		3403				1.	•	I	34	M	i :	l I				F	7	2.00
50 2		511.040	09-87-2522		2 01		9833				1.			1				}			F	.	3.00
50 2		511.030	09-87-2849			98	9836				1.			40		1	I	N	N		F	•	1.00
50 2		511.040	09-87-2882		5 00		3601				1.			46		1	l I	N	N		F	:	3.00
50 2	こくかざ	511.040	09-87-2536	10	4 01	36	3613 8	₹.	•		1.	•	I	•		•	B	i	•		F	•	3.00

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50	55083	511.040	09-87-2884		5 00	34	3601						55		í		N			F	3.00
50	55083	511.040	09-87-2885	11	5 00	36	3601	R.		i		I	41	M 1	1	I	N	N		F	3.00
50	22083	511.040	09-87-2548	10	6 04	36	3616	R.		1	, ,	I		,		8				F	3.00
50	22083	511.040	09-87-2892	11	6 02	36	3623	R.		1		I				В				F	3.00
50	22083	511.040	09-87-2893	11	5 02	36	3605	R.		1		I				В				F -	3.00
50	55083	511.040	09~87~2549	10	6 02	58	5822	R.		1		I				R				F	3.00
50	15055	511.020	09-87-2899	11	5 14	36	3623	R.		i		I	39	M 1	1	I	H	N		F	1.00
50	55083	511.040	09-87-2904	11	7 01	36	3630	R.		1		I				В				F	3,00
50	22042	511.030	09-87-2625	10	3 14	58	5809	R.		1		ĭ	38	M 1	5	I		N		F	1.00
50	22022-1	511.030	09-87-2632	10	4 19	98	9854	R.	,	1		I	50	M 1	1	I	N	N		F	2.00
50	22083	511.040	09-87-2824	11	5 01	98	9824	R.		1		I				B				F	3.00
	55083	511.040	09-87-2830		5 01	98	9824									В				F	3.00
	55083	511.040	09-87-2786		6 01	98		R.								S				F	3.00
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	22083	511.040	09-87-2742		7 18	80	8009						20	,, ,	•	S	17	**		F	2.00
	55083	511.040	09-87-2748		2 00	36	3605						•	•		В				F	3.00
	22083	511.040	09-87-2760		2 21	58	5806						•	•		G			•	F	2.00
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	22042	511.030	09-87-2837		7 19	98	9825						30		1			N		r F	
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	22083	511.040	09-87-2949		5 03	36	3601						50	M I	1		N	N		F	3.00
	22083	511,049	09-87-2924		2 18	36	3649							•		8				F	2.00
	22083	511.040	07-87-2906		5 00	58	5824						•	•		В				F	3.00
	55083	511,040	09-87-2809		5 05		3953						•	,		B				F	3.00
	55083	511.040	VV-87-2835		6 19		5809									B				F	2.00
	55055	511.030	09-87-2675		3 19		3614						29		1		N			F	00.5
	55083	511.040	09-87-2681		6 03		8001						65	F i	1		N	Ŋ		F	3.00
	55083	511.040	09-87-2686		6 03		8005									B				F	3.00
50	55055	511.030	09-87-2694	10	1 08	98	9848			1		I	E 33	F 1	1	I	N	N		F	1,00
50	55083	511.040	09-87-2698	10	5 00	36	3624	R.		i		I				0				F	3.00
50	55083	511.040	09-87-2700	10	5 08	36	3601	R.		1		I	80	H 1	1	I	N	N		F	1.00
50	22042	511.030	09-87-2703	10	3 05	36	3624			1		A	43	F 1	1	I	N	N		F	3.00
50	55055	511.030	09-87-2724	10	4 14	98	9867	R.		1		I	74	F 1	2	I	N	N		F	1.00
50	55083	511.040	09-87-2727	10	5 00	80	8004	Ŕ.		1	, ,	I	40	M 1	1	I	N	N .		F	3.00
	22083	511.040	09-87-2732	10	6 02	98	9802						44	M 1	1		N			F	3.00
	12025	511.020	09-87-2737		6 21	98	9817						34		1		N			F	2,00
	55083	511.040	09-87-2993		6 12	98	9802						35		1	1		N		F	1.00
	22042	511.030	09-87-2739		7 03		3604						28		3	I		N		F	3.00
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U	CR	VCODE	KRS	CASENUM	VMN7H	A M Y E	Y	OCITY	U R \	<i>i</i> 0	C N					G E		CE MS	TAT			D SELFINF	RSDNT	,	SHIFT
	50	22083	511.040	09-87-2948	11	5 03	36	3601	R			1		. 1	[62	Н	1 1		I	N N		F		3.00
		55055	511.030	09-87-2794	11	6 00	80	8001	R.			1		. <i>P</i>	ì	29	M	1		I	1 N		F		3.00
		15055	511.020	09-87-3160	12	5 22	36	3632	R			1		. 1		33	K	1 1		I	N N		F		2.00
			511.040	09-87-3154	12	1 00	80	8004	R			1	6 . 1	. A	ì	37	M	1		ΙI	l N		F		3.00
		22042	511.030	09-87-3189	12	2 21	80	8001	R							33	M	1 1		I	N N		F		2.00
		22021	511.020	09-87-3147	12											23		2			N		F		2.00
		15035	511.020	09-87-3211	12											37		1 1		I	N N		F	-	2.00
		22042	511.030	09-87-3214	12											77		2 2		I	N N		F		2.00
		22083	511.040	09-87-3219	12											56	H	1		I	N P		F		3.00
		22041	511.020	09-87-3221			36									36		3		I	N N		F		3.00
		55083	511.040	09-87-3225			36													В			F		3.00
		22083	511.040	09-87-3229	12															В			F		3.00
		55055	511.030	09-87-3234	12											19	М	1 1		I	N P		F		3,00
		55055	511.030	09-87-3242	12											22		3			N N		F		3.00
		55055	511.030	09-87-3243												42		1 3			N N		F		2.00
		55055	511.030	09-87-3255												42		3		I	4 N		F		2.00
		55083	511.040	09-87-3152												52		1			N N		F		2.00
		22042	511.030	09-87-3059	12											36		1		II	N		F		3.00
		22041	511.020	09-87-3213	12							i				61		1 2			V N		F		2.00
		55055	511.030	09-87-3158	12											29		. 3			V N		F		2.00
			511.040	09-87-3159												,				В			F		3.00
		22042	511.030	09-87-3089	12													2		ΙI	N N		F		1.00
		22083	511.040	09-87-3119	12							1								В			F		3.00
		22083	511.040	09-87-3128	12							1						ı		S			F		3.00
		55083	511.040	09-87-3129								1								В			F		3.00
		22083	511.040	09-87-3130	12							1				,		,		В		•	F		3.00
		22083	511.040	09-87-3142	12	6 12	98					1		. 1		29	М	1 1		1	N V		F		1.00
		55055	511.030	09-87-3148	12	6 02	36	3614	R.			1		. I	•	26	Ħ	3		11	N N		F		3.00
		22022	511.030	09-87-3149	12	6 01	36	3612	R			1		. F	}	27	F	1 3		I	N N		۴		3.00
		22083	511.040	09-87-3156	12	7 02	77					1		. f	}					S			F		3,00
		15055	511.020	09-87-3161	12	7 14	98	9807	R			1		. 1		59	M	1 3		I	V N		F		1.00
		22083	511.040	09-87-3164	12	7 07	36	3605	R			1		. I						В			F		3.00
		22041	511.020	09-87-3111			77											1 1		I	N V		F		1.00
		22083	511.040	09-87-3091			58					1		. A						В			F		3.00
		55083	511.040	09-87-3092			58								ł					В			F		3.00
		22083	511.040	09-87-3093			58											,		B			F		3.00
		55083	511.040	09-87-3094		1 01														В			F		3.00
		22083	511.040	09-87-3095			58													8			F		3.00
		55055	511.030	09-87-3114			98		R			i		.]		24	M	1 1		I	N P		F		1.00
		55055	511.030	09-87-3115			98									30		1 1		I	N N		F		1.00
		55083	511.040	09-87-3133			98		R	. ,						47	М	1 1		I	N N		F		2.00
		55055	511.030	09-87-3033			58									39		1 3			N		F		1.00
		55055	511.030	09-87-3034												36		1 2			N F		F		2.00
		55055	511.030	09-87-3041	12											19		1			N N		F		3.00
		55055	511.030	09-87-3016			77									24		1 1			N N		F		3.00
		22083	511.040	09-87-3021			77						. ,							В			F		3.00
		55055	511.030	09-87-3023	12											53		1 1			N		F		3.00
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50	22042	511.030	09-87-3004	12	5 05	98	9863	R			1		•	I	44	F	i	2	I	N	N		F	3.00
50	55083	511.040	09-87-2992	12	5 05	80	8003	R.			1			I	45	Ħ	1	1	I	N	N		F	3.00
50	22042	511.030	09-87-3063	12	4 02	58	3648	R			1		ι	I	18	M	1	1	Ī	N	N		F	3.00
50	22021	511.020	09-87-3085	12	7 02	77	7720	R.			1	,		I	56	X	1	5	I	N	N		F	3.00
50	55083	511.040	09-87-2516	10	7 05	36	3612	R.			1			I	33	F	1	5	I	N	N		F	3.00
50	55055	511.030	09-87-3037	12	7 02	98	9827	R.			1		. :	I	65	M	1	1	I	N	N		F	3.00
50	55083	511.040	09-87-3081	12	6 03	77	7705	Ŕ.			1			I					В				F -	3.00
50	22013	511.040	09-87-3104	12	5 03	36	3405	R.			1	1	. :	I					В				F	3.00
50	55055	511.030	09-87-3122	12	2 05	98	9824	R.			1	8		I	31	F	1	3	I	N	N		F	3.00
50	55055	511.030	09-87-3131	12	4 01	98	9820	Ü.			1		. 1	Ī		F	1	3	I	N	N ·		F	3.00
50	55055	511.030	09-87-3134	12	4 00	36	3601	R.			1		. :	I	67	F	i	5	I	N	N		F	3.00
50	55055	511.030	09-87-3155	12	6 15	58	5809	R.			1		.]	ĺ	31	F	1	3	I	N			F	1.00
50	22042	511.030	09-87-3232	12	1 19	36	3635	R.			1		. 4	4	40	Ħ	1	3	I	N	N		F	2.00
50	55055	511.030	09-87-3217	12	7 23	98	9809	R.			1		, 1	ĺ	50	F	1	i	I	N	N		F	2.00
50	55083	511.040	09-87-3186	12	4 01	58	5820	R.			1		.]	ſ					B				F	3.00
50	22083	511.040	09-87-3204	12	6 04	77	7701	R.	•				.]						В				F	3.00
50	88055	511.040	09-87-3223	12	4 01	77	7705	R.					. 1		28	M	1	i	I	N	N		F	3.00
50	55055	511.030	09-87-3226	12	1 22	98	9801						. 1		71		1	i		N			F	2.00
NUME	ER OF	CASES READ =	306 NUMB	ER OF	CASES	LIS				96														