

Bureau of Justice Statistics Special Report

Police Departments

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By Brian A. Reaves, Ph.D. and Matthew J. Hickman *BJS Statisticians*

From 1990 to 2000, 62 local police departments served cities with a population of 250,000 or more. During this time, the number of residents served by these agencies increased by 10%, from 45 million to 49.4 million; their number of full-time employees by 20%, from 166,823 to 199,627; and their number of full-time sworn personnel by 17%, from 130,242 to 152,858.

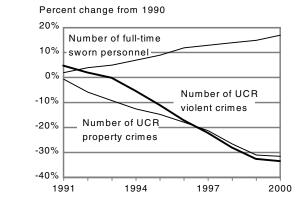
In contrast to the increases noted above, the volume of serious crime reported in these cities was substantially lower in 2000 than in 1990. According to the FBI Uniform Crime Reports program, the number of violent Crime Index offenses declined by 34%, and the number of property Crime Index offenses by 31%.

In addition to employment and crime trends, this report presents other data comparisons based on the 1990 and 2000 Law Enforcement Management and Administrative Statistics (LEMAS) surveys. Topics include staffing levels, race and ethnicity of officers, officer education and training requirements, operating budgets, officer salaries and special pay, types of special units operated, drug enforcement activities, sidearm and armor policies, types of vehicles operated, and computerization.

Highlights

in Large Cities, 1990-2000

From 1990 to 2000, in cities with 250,000 or more residents, the number of UCR violent crimes decreased 34%, the number of UCR property crimes decreased 31%, and the number of full-time local police officers increased 17%



Among large city police departments, 1990-2000, changes included —

• The number of residents served increased by 10%, accompanied by a 7% increase, from 289 to 310, in the number of full-time sworn personnel per 100,000 residents.

• The percentage of full-time sworn personnel who were members of a racial or ethnic minority increased from 30% to 38%.

• Hispanic representation among officers increased from 9% to 14%, blacks from 18% to 20%, and women from 12% to 16%.

• The percent of departments requiring new officers to have at least some college rose from 19% to 37%, and the percent requiring a 2-year or 4-year degree grew from 6% to 14%. • Annual operating costs per resident rose 10%, from \$242 to \$266, but annual per officer costs increased by just 2%, from \$83,814 to \$85,786.

• The percent of departments using bicycles rose from 39% to 98%. The average number of bicycles in use went from 8 to 95.

• The percent of departments using in-field computers increased from 73% to 92%, the percent using automated fingerprint ID systems from 60% to 97%, and the percent with enhanced 9-1-1 from 76% to 97%.

• The percent of departments with fulltime domestic violence units rose from 50% to 81%; with full-time victim assistance units, from 32% to 47%.

Staffing levels

From 1990 to 2000, the average number of full-time personnel in police departments serving cities with a population of 250,000 or more increased by 20%, from 2,691 to 3,220 (table 1). New York City's police department (NYPD), the Nation's largest, had about 53,000 full-time employees as of June 2000. (See appendix table A for employment data for all 62 local police departments serving cities with a population of 250,000 or more.)

In 2000, police departments in large cities employed 404 full-time personnel per 100,000 residents. This represented an increase of 9% over the 1990 level of 370 per 100,000. On a land area served basis, employment increased from 85 full-time personnel per 10 square miles in 1990 to 101 per 10 square miles in 2000.

From 1990 to 2000 the average number of full-time sworn personnel among police departments in large cities increased by 17%, from 2,101 to 2,465 (table 2). The NYPD had more than 40,000 full-time sworn personnel as of June 2000 (see box below). This was about 3 times the next largest department in Chicago, with 13,466.

Table 1. Number of full-time employees in police departmentsserving cities with a population of 250,000 or more, 1990 and 2000

	Number of full-time employees								
Population	ation Per agency		Per 100, residents		Per 10 square miles				
served	1990	2000	1990	2000	1990	2000			
Total	2,691	3,220	370	404	85	101			
1,000,000 or more	9,047	11,267	422	470	82	102			
500,000-999,999	2,113	2,349	348	355	80	89			
350,000-499,999	1,113	1,334	289	317	86	103			
250,000-349,999	932	1,068	305	343	133	153			

Table 2. Number of full-time sworn personnel in police departments servingcities with a population of 250,000 or more, 1990 and 2000

	Number of full-time sworn personnel									
Per Population agency		Per 100, residents		Per 10 square miles						
served	1990	2000	1990	2000	1990	2000				
Total	2,101	2,465	289	310	66	78				
1,000,000 or more	7,113	8,717	331	364	65	79				
500,000-999,999	1,647	1,810	271	274	63	69				
350,000-499,999	841	972	219	231	65	75				
250,000-349,999	730	796	239	256	105	114				

In terms of land area, employment increased from 66 full-time sworn personnel per 10 square miles in 1990 to 78 per 10 square miles in 2000.

In 2000 these agencies employed 310 full-time sworn personnel per 100,000 residents. This represented an increase of 21 per 100,000, or 7%, compared to 1990.

The Washington (DC) Metropolitan Police Department continued to have the highest ratio, with 631 officers per 100,000 residents in 2000, although this was down 15% from the 1990 ratio of 742 per 10,000. Other large city police departments with at least 500 full-time officers per 100,000 residents in 2000 were the Newark (NJ) Police (536) and the NYPD (505).

Fifteen largest local police departments serving cities with a population of 250,000 or more, by number of full-time sworn personnel and number of full-time sworn personnel per 100,000 residents served, 1990 and 2000

Numbe	er of full-tim	ne sworn personnel		Number of full-tim	ne sworn pe	ersonnel per 100,000	residents
City	1990	City	2000	City	1990	City	2000
New York (NY)	31,236	New York (NY)	40,435	Washington (DC)	742	Washington (DC)	631
Chicago (IL)	11,837	Chicago (IL)	13,466	Detroit (MI)	447	Newark (NJ)	536
Los Angeles (CA)	8,295	Los Angeles (CA)	9,341	New York (NY)	427	New York (NY)	505
Philadelphia (PA)	6,523	Philadelphia (PA)	7,024	Chicago (IL)	425	Baltimore (MD)	466
Detroit (MI)	4,595	Houston (TX)	5,343	Philadelphia (PA)	411	Chicago (IL)	465
Washington (DC)	4,506	Detroit (MI)	4,154	Atlanta (GA)	396	Philadelphia (PA)	463
Houston (TX)	4,104	Washington (DC)	3,612	Baltimore (MD)	389	Detroit (MI)	437
Baltimore (MD)	2,861	Baltimore (MD)	3,034	St. Louis (MO)	389	St. Louis (MO)	428
Dallas (TX)	2,635	Dallas (TX)	2,862	Newark (NJ)	368	Cleveland (OH)	381
Boston (MA)	2,053	Phoenix (AZ)	2,626	Boston (MA)	357	Boston (MA)	367
Phoenix (AŹ)	1,949	San Francisco (CA)	2,227	Cleveland (OH)	348	Atlanta (GA)	354
Milwaukee (WI)	1,866	Las Vegas (NV)	2,168	Buffalo (NY)	315	New Orleans (LA)	343
San Diego (CA)	1,816	Boston (MA)	2,164	Pittsburgh (PA)	312	Milwaukee (WI)	335
Honolulu (HI)	1,781	San Diego (CA)	2,022	Miami (FL)	310	Buffalo (NY)	317
San Francisco (CA)	1,777	Milwaukee (WI)	1,998	Milwaukee (WI)	297	Cincinnati (OH)	311

Table 3. Female and minority representation among full-time sworn personnel in police departments serving cities with a population of 250,000 or more, 1990 and 2000

				Percent of	full-time sv	worn perso	nnel who we	ere:				
Population	Any m	ninority	Black, nor	n-Hispanic	Hispanic,	any race	Asian/Pac	ific Islander	America	n Indian	Fema	ale
served	1990	2000	1990	2000	1990	2000	1990	2000	1990	2000	1990	2000
Total	29.8%	38.1%	18.4%	20.1%	9.2%	14.1%	2.0%	2.8%	0.3%	0.4%	12.1%	16.3%
1,000,000 or more 500,000-999,999 350,000-499,999 250,000-349,999	27.6% 35.8 30.7 24.0	37.6% 41.1 36.4 32.7	15.1% 25.2 18.9 17.4	16.9% 27.0 20.4 20.9	11.4% 5.0 10.2 6.2	17.5% 7.7 12.7 10.4	0.9% 5.3 1.0 0.3	2.1% 5.3 2.1 0.7	0.2% 0.3 0.6 0.2	0.3% 0.5 1.0 0.4	12.3% 12.6 10.9 10.5	16.8% 16.1 14.4 15.8

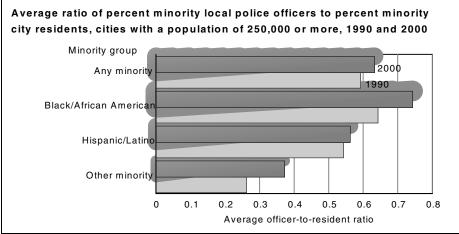


Figure 1

Minority and female representation

Minority representation among local police officers in large cities increased from 29.8% in 1990 to 38.1% in 2000 (table 3). Hispanics recorded the greatest increase, from 9.2% to 14.1%. Black representation also increased. from 18.4% in 1990 to 20.1% in 2000. Asian and Pacific Islander representation was 2.8% in 2000, up from 2.0% in 1990. The percentage of female officers rose from 12.1% in 1990 to 16.3% in 2000. (See appendix table B for minority and female officer percentages for all 62 local police departments serving cities with a population of 250,000 or more.)

Using a ratio based on the percentage of sworn personnel who were members of a racial or ethnic minority relative to the percentage of city residents who were members of that minority group indicates that, on average, police departments in large cities were slightly more representative of the cities they served in 2000 than in 1990. From 1990 to 2000, the average ratio increased from .59 to .63 for minorities overall (figure 1). That is, on average, police departments in large cities had 63 minority police officers for every 100 minority residents in 2000, compared to 59 for every 100 in 1990. For blacks or African Americans, the average ratio increased from .64 in 1990 to .74 in 2000, for Hispanics or Latinos from .54 to .56, and for other minority groups (such as Asians and American Indians) from .26 to .37.

Education and training requirements

The percentage of police departments in large cities that required a 4-year degree of new officers rose from 1.6% in 1990 to 4.8% in 2000 (table 4). The percentage requiring a 2-year degree increased from 4.8% to 9.7% during this time, and the percentage with a non-degree college requirement went from 12.9% to 22.6%. Overall, about twice as many departments had some type of college education requirement for new officers in 2000 (37.1%) as did in 1990 (19.3%).

Table 4. Mininum educationrequirement for new officers inpolice departments serving citieswith a population of 250,000 or more,1990 and 2000

Minimum requirement	Percent of a 1990	agencies 2000	
Total	100%	100%	
4-year degree	1.6%	4.8%	
2-year degree	4.8	9.7	
Some college*	12.9	22.6	
High school	79.0	62.9	
None	1.6	0.0	
*Non-degree red	quirements or	nly.	

Table 5. Mininum training requirementfor new officers in police departmentsserving cities with a population of250,000 or more, 1990 and 2000

Type of training and population served	g and training hours required					
Classroom training All sizes	g 760	880				
1,000,000 or more 500,000-999,999 350,000-499,999 250,000-349,999	831 760 760 756	1,111 852 897 880				
Field training All sizes	520	600				
1,000,000 or more 500,000-999,999 350,000-499,999 250,000-349,999	500 540 520 490	500 560 648 610				

From 1990 to 2000, the median number of classroom training hours required of new officer recruits in police departments in large cities increased from 760 to 880 (table 5). The median field training requirement also increased during this time — from 520 hours to 600 hours. In 2000, police departments in large cities had a median annual in-service training requirement for officers of 40 hours (data were not collected in 1990).

Table 6. Annual operating budget of police departmentsserving cities with a population of 250,000 or more, 1990 and 2000

Population	Per agency		Per resident		Per en	Per employee		Per sworn employee	
served	1990	2000	1990	2000	1990	2000	1990	2000	
Total	\$176,134,761	\$211,581,036	\$242	\$266	\$64,493	\$64,323	\$83,814	\$85,786	
1,000,000 or more	\$586,494,149	\$695,642,921	\$272	\$290	\$64,024	\$60,061	\$82,450	\$79,804	
500,000-999,999	138,511,331	165,117,265	228	250	64,667	69,391	84,109	91,127	
350,000-499,999	77,063,388	99,818,601	200	237	67,715	73,811	91,352	102,539	
250,000-349,999	59,757,009	71,229,731	196	229	62,470	65,788	81,747	89,364	

Note: All data are presented in 2000 dollars.

Operating budgets

The operating budgets of police departments serving cities with a population of 250,000 or more totaled about \$13.1 billion in fiscal 2000. Controlling for inflation (see methodological note on page 15), this was 20% more than in 1990. The per agency average was nearly \$212 million in 2000 compared to about \$176 million in 1990 (table 6).

Operating budgets for 2000 totaled \$266 per resident, \$24 higher than in 1990. Per employee operating costs were \$64,323 for 2000, about the same as in 1990 (\$64,493). The overall operating budget per sworn officer increased 2% during this period, from \$83,814 to \$85,786.

In 2000, departments serving 1 million or more residents had the highest per resident operating budget, \$290. Departments serving a population of 350,000 to 499,999 had the highest per employee (\$73,811), and per officer (\$102,539) budgets. (See appendix table C for budgetary data for all 62 local police departments serving cities with a population of 250,000 or more.)

Salaries and special pay

From 1990 to 2000, the average base starting salary for police chiefs in cities with a population of 250,000 or more increased by about 2%, from \$95,393 to \$97,215 (table 7). The average starting salary for chiefs was highest in departments serving 500,000 or more residents — about \$105,500.

Average starting salaries for sergeants or equivalent first-line supervisors

Table 7. Minimum starting salariesin police departments serving citieswith a population of 250,000 or more,1990 and 2000

Position and population	Average mi starting ann	
served	1990	2000
Chief		
All sizes	\$95,393	\$97,215
1,000,000 or more	\$113,150	\$105,524
500,000-999,999	98,401	105,488
350,000-499,999	88,789	89,050
250,000-349,999	86,430	87,989
Sergeant or equiva	lent	
All sizes	\$49,081	\$50,541
1,000,000 or more	\$50,444	\$49,726
500,000-999,999	49,042	51,265
350,000-499,999	48,279	48,718
250,000-349,999	49,143	52,298
Entry-level patrol o	fficer	
All sizes	\$35,002	\$34,556
1,000,000 or more	\$34,986	\$34,153
500,000-999,999	34,306	34,454
350,000-499,999	35,742	34,476
250,000-349,999	35,158	35,095
Note: All data are pr	resented in 20	000 dollars.

increased by 3% from 1990 (\$49,081) to 2000 (\$50,541), while starting salaries for entry-level officers declined by about 1%, from \$35,002 to \$34,556.

From 1990 to 2000, the percentage of police departments in large cities that offered shift differential pay to officers increased from 66% to 76% (table 8). Nearly all (93%) of the departments serving 250,000 to 349,999 residents offered this type of special pay in 2000.

About 3 in 5 departments offered education incentive pay in 1990 (60%) and 2000 (61%). Those serving 250,000 to 349,999 residents (71%) were the most likely to offer it in 2000.

Table 8. Types of special pay forsworn personnel in police depart-ments serving cities with a populationof 250,000 or more, 1990 and 2000

Type of pay and	Percent of a	agencies:
population served	1990	2000
Shift differential pa	ay 66%	76%
1,000,000 or more 500,000-999,999 350,000-499,999	70% 62 53	80% 71 65
250,000-349,999	86	93
Education incentiv	/e pay	
All sizes	60%	61%
1,000,000 or more	60%	60%
500,000-999,999	62	57
350,000-499,999	65	59
250,000-349,999	50	71
Hazardous duty pa	•	
All sizes	56%	50%
1,000,000 or more	50%	50%
500,000-999,999	57	57
350,000-499,999	71	47
250,000-349,999	43	43
Merit pay All sizes	35%	34%
1,000,000 or more	60%	50%
500,000-999,999	19	19
350,000-499,999	35	47
250,000-349,999	43	29

From 1990 to 2000, the percentage of departments offering hazardous duty pay declined slightly, from 56% to 50%. In 2000, a majority of the departments serving 500,000 to 999,999 residents (57%) offered this type of special pay.

The percentage of departments with merit pay in 2000 (34%) was about the same as in 1990 (35%). Those serving 1 million or more residents (50%) or 350,000 to 499,999 residents (47%) were the most likely to offer merit pay.

UCR violent crimes

From 1990 to 2000, according to the FBI's Uniform Crime Reports (UCR), the number of violent Crime Index offenses (murder, forcible rape, robbery, and aggravated assault) reported to police departments in cities with 250,000 or more residents declined 34% — from an average of 13,091 per department to 8,686 (table 9).

The drop in the rate of violent crimes per 100,000 residents was even larger, falling from a rate of 1,802 violent crimes per 100,000 residents in 1990, to 1,091 per 100,000 in 2000 — a reduction of 39%. Cities with 1 million or more residents had the largest decrease (46%), led by a 60% drop in New York City. (See appendix table D for UCR violent crime data for all 62 local police departments serving cities with a population of 250,000 or more.)

A large reduction in violent crime also occurred in the number reported per officer employed. In 2000 there were 353 violent crimes per 100 sworn personnel, 43% fewer than the 1990 rate of 623 per 100. Among cities with 1 million or more residents, the decline was 51%, including 57% in New York.

By specific type of violent crime, the number of murders per 100,000 residents declined from an average of 21 per city in 1990 to 13 in 2000; forcible rapes, from 84 to 52; robberies, from 671 to 399; and aggravated assaults, from 786 to 603 (figure 2).

Table 9. UCR violent crime index offenses reported to police departments serving cities with a population of 250,000 or more, 1990 and 2000

		Number o	of UCR violent crime index offenses					
Population	Per agency		Per 100,000 residents		Per 100 sworn personnel			
served	1990	2000	1990	2000	1990	2000		
All sizes	13,091	8,686	1,802	1,091	623	353		
1,000,000 or more	44,123	26,558	2,056	1,108	620	305		
500,000-999,999	9,154	7,083	1,506	1,072	556	397		
350,000-499,999	6,579	4,696	1,710	1,115	782	483		
250,000-349,999	4,739	3,171	1,553	1,018	649	397		

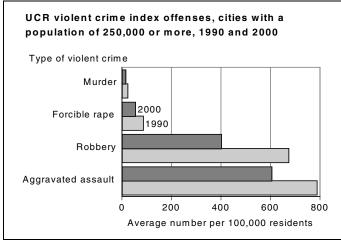
Table 10. UCR property crime index offenses reported to police departments serving cities with a population of 250,000 or more, 1990 and 2000

Number of Per		Per 100,0		Per 100		
Population	ageno	су	residents		sworn pe	rsonnel
served	1990	2000	1990	2000	1990	2000
All sizes	60,653	41,571	8,352	5,221	2,887	1,692
1,000,000 or more	172,513	103,346	8,038	4,312	2,425	1,186
500,000-999,999	51,205	39,208	8,424	5,933	3,109	2,197
350,000-499,999	35,348	26,959	9,190	6,398	4,201	2,773
250,000-349,999	25,652	18,732	8,407	6,013	3,514	2,344

UCR property crimes

From 1990 to 2000, the number of UCR property Crime Index offenses (larcenytheft, burglary, motor vehicle theft) in large cities decreased 31%, from an average of 60,563 per city to 41,571. In 2000, there were 5,221 property crimes per 100,000 residents compared to 8,352 in 1990, a decrease of 37%. In cities with 1 million or more residents, the drop was 46%, led by New York (64%). (See appendix table E for UCR property crime data for all 62 local police departments serving cities with a population of 250,000 or more.) There were 41% fewer reported UCR property crimes per 100 sworn personnel in 2000 (1,692) than in 1990 (2,887). Departments serving 1 million or more residents reported a drop in property crimes per 100 officers that exceeded 50% (from 2,425 to 1,186), with a 69% drop in New York.

The burglary rate in cities with a population of 250,000 or more declined from an average of 2,122 per 100,000 residents in 1990, to 1,167 per 100,000 residents in 2000 (figure 3). For larceny-theft, the average rate declined from 5,082 to 3,798, and for motor vehicle theft from 1,529 to 1,005.



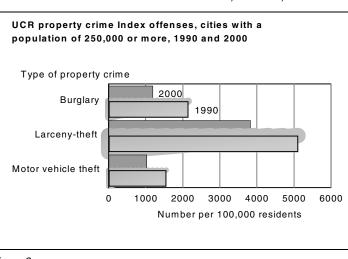


Figure 3

Special units

Police departments in large cities operated various types of special units to address crime-related problems and to provide resources to those affected by crime. In 1990 and 2000, more than three-fourths of departments had fulltime special units or part-time personnel assigned to general crime prevention, child abuse, juvenile crime, drug education in schools, missing children, drunk drivers, and gangs (table 11).

In 2000 a majority of departments had personnel assigned full time to special units for gangs (84%), domestic violence (81%), child abuse (77%), crime prevention (76%), drug education in schools (73%), juvenile crime (68%), and missing children (66%).

Seventy-one percent of departments operated a full-time unit or had parttime personnel assigned to victim assistance in 2000 compared to 45% in 1990. The percentage with full-time victim assistance units rose from 32% to 47% during this time. Ninety-seven percent of departments operated either a full-time domestic violence unit or had personnel assigned part-time to deal with the problem in 2000, compared to 61% in 1990. The percentage with full-time units increased from 50% to 81% during this time.

From 1990 to 2000, the percentage with personnel assigned on at least a part-time basis to address gang-related problems rose from 89% to 98%, and the percentage with a full-time gang unit increased from 69% to 84%.

The percentage of departments with personnel assigned at least part-time to handle bias-related crimes increased from 58% in 1990 to 71% in 2000; however, the percentage with a fulltime unit dropped from 34% to 26% during this time.

Table 11. Special units operated by police departmentsserving cities with a population of 250,000 or more, 1990 and 2000

	Perc	cent of agenci	es with:		
Type of	Full-time special u	nit:	Full-time sp or part-time		
special unit	1990	2000	1990	2000	
Victim assistance	32%	47%	45%	71%	
Crime prevention	95	76	100	97	
Repeat offenders	68	34	77	57	
Prosecutor relations	66	31	76	58	
Domestic violence	50	81	61	97	
Child abuse	87	77	95	92	
Missing children	89	66	95	95	
Juvenile crime	81	68	94	84	
Gangs	69	84	89	98	
Drug education	90	73	98	95	
Drunk drivers	56	40	76	81	
Bias-related crimes	34	26	58	71	

Community policing initiatives of police departments in large cities, 2000

Since the enactment of the 1994 Crime Act and the subsequent creation of the Department of Justice's Office of Community Oriented Policing Services (COPS), most police departments have taken steps to implement community policing.

The COPS office facilitated this effort by providing funding to deploy community policing officers, facilitate problem solving efforts, encourage interactions with communities by officers, promote innovations in policing, and enhance existing technologies.

Although such data were not collected in 1990, the 2000 LEMAS survey provided several measures of large city police departments' community policing efforts. For example, 94% of the departments provided all new officer recruits with at least 8 hours of community policing training during the 12-month period ending June 30, 2000. Also, nearly all departments had fulltime sworn personnel serving as community policing officers with a mean of 21% and a median of 5% of all officers so assigned.

Type of community policing activity duringPercent12-month period ending June 30, 2000of agencies

Seventy-one percent of departments had a formal, written community policing plan, while 29% had an informal plan. Other indicators of community policing in large cities:

rz-monti penou enung sune 30, 2000	of ageneie
Met at least quarterly with citizen groups to discuss crime-related problems	100%
Gave patrol officers responsibility for specific geographic areas/beats	90%
Conducted a citizen police academy	87%
Assigned detectives to cases based on geographic areas/beats	84%
Trained citizens in community policing techniques such as community mobilization and problem solving	79%
Actively encouraged patrol officers to engage in SARA-type problem-solving projects on their beats	77%
Upgraded technology to support community policing	76%
Conducted or sponsored a survey of citizens on crime or police-related topics	63%
Formed problem-solving partnerships through specialized contracts or written agreements	61%

Table 12. Officers assigned to a multi-agency drug task force by police departments serving cities with a population of 250,000 or more, 1990 and 2000

	Officers assigned full-time to drug task force:					
	19	990	20	000		
Population served	Average number	Average percent	Average number	Average percent		
All sizes	13	1.0%	15	0.9%		
1,000,000 or more	21	0.3%	48	0.7%		
500,000-999,999	15	0.8	11	0.7		
350,000-499,999	10	1.5	10	1.1		
250,000-349,999	6	1.1	8	1.2		

Table 13. Officers assigned to a special drug enforcement unit in police departments serving cities with a population of 250,000 or more, 1990 and 2000

	Officers assigned full-time to special drug unit				
	19	990	20	000	
Population served	Average number	Average percent	Average number	Average percent	
All sizes	86	4.4%	123	3.5%	
1,000,000 or more 500,000-999,999 350,000-499,999 250,000-349,999	289 55 48 28	3.5% 3.6 6.3 3.7	474 69 33 30	3.6% 3.3 3.4 4.0	

Drug enforcement

All but 1 of the 62 local police departments serving cities with a population of 250,000 or more reported in the 2000 LEMAS survey that they had receipts from a drug asset forfeiture program during the prior year, as did 60 departments in the 1990 survey. Although data on the value of the goods, money, and property received were not collected in 1990, it totalled an estimated \$108.2 million in 1999, or about \$708 per sworn officer.

Estimated value of drug asset forfeiture receipts, police departments serving cities with a population of 250,000 or more, 1999

Population <u>served</u>	Total (in millions)	Per <u>officer</u>
All sizes	\$108.2	\$708
1,000,000 or more 500,000 - 999,999 350,000 - 499,999 250,000 - 349,999	25.0 14.0	\$674 657 845 939

Departments had an average of 15 fulltime officers each assigned to a multiagency drug enforcement task force in 2000, compared to 13 in 1990. As a percentage of all officers, the average decreased slightly, from 1.0% in 1990 to 0.9% in 2000 (table 12).

From 1990 to 2000, departments serving a population of 1 million or more increased their average number of officers assigned to a task force from an average of 21, or 0.3% of all officers, to an average of 48, or 0.7%.

The average number of officers per department assigned to a special unit for drug enforcement increased from 86 in 1990 to 123 in 2000; however, the average percentage of all officers so assigned in 2000 (3.5%) was lower than in 1990 (4.4%) (table 13). The largest drop was among departments serving 350,000 to 499,999 residents from an average of 6.3% of officers in 1990 to 3.4% in 2000.

Equipment

In 1990 nearly all police departments serving 250,000 or more residents authorized the use of both semiautomatic (98%) and revolver (97%) sidearms; however, the percentage authorizing revolvers had dropped to 65% by 2000 (table 14). All departments authorized semiautomatic sidearms in 2000.

From 1990 to 2000, the percentage of police departments in large cities requiring all patrol officers to wear protective body armor increased from 21% to 48%. During this time, the percentage of departments that required at least some patrol officers to wear armor rose from 31% to 69% (table 15). Departments serving 250,000 to 349,999 residents (43%) were the least likely to have a body armor requirement for patrol officers during 2000.

Table 14. Types of sidearms authorized bypolice departments serving cities with apopulation of 250,000 or more, 1990 and 2000

	Percent of agencies authorizing field/patrol officers to use semi- automatic sidearms or revolvers				
Population	Semiautomatic Revolver				
served	1990	2000	1990	2000	
All sizes	98%	100%	97%	65%	
1,000,000 or more	100%	100%	90%	80%	
500,000-999,999	95	100	95	71	
350,000-499,999	100	100	100	59	
250,000-349,999	100	100	100	50	

Table 15. Body armor policies for field/patrol officers in police departments serving cities with a population of 250,000 or more, 1990 and 2000

Percent of agencies requiring field/patrol officers to wear protective body armor						
Population		1990			2000	
served	Total	All	Some	Total	All	Some
All sizes	31%	21%	10%	69%	48%	21%
1,000,000 or more	50%	30%	20%	70%	60%	10%
500,000-999,999	29	19	10	81	43	38
350,000-499,999	30	18	12	77	59	18
250,000-349,999	21	21	0	43	36	7

Vehicles

In 2000, 29% of police departments in large cities operated airplanes, about the same percentage as in 1990 (26%) (table 16). Nearly all departments with planes had just one, with no more than four operated by any department. In 2000 those serving a population of 1 million or more (50%) were the most likely to operate an airplane.

Sixty-six percent of departments operated at least one helicopter in 2000, compared to 55% in 1990. The median number of helicopters operated was 2 with a maximum of 19. Ninety percent of departments serving a population of 1 million or more operated helicopters during 2000.

From 1990 to 2000, the percentage of departments using boats increased from 48% to 58%. Among those using boats in 2000, the median number operated was 3, and the maximum was 27. About three-fourths of the departments serving a population of 500,000 or more used boats during 2000.

Among land vehicles, motorcycle use increased slightly, from 90% of departments in 1990 to 95% in 2000. A much more substantial increase was observed for bicycles, with 98% of departments using them in 2000, compared to 39% in 1990 (table 18). On average, departments operated 44 bicycles per 1,000 sworn personnel in 2000 compared to 3 per 1,000 in 1990 (figure 4).

Police departments in large cities operated 307 marked cars per 1,000 sworn personnel in 2000, 17% more than in 1990 (263). The ratio of unmarked cars also increased, from 188 per 1,000 sworn personnel in 1990 to 207 per 1,000 in 2000.

The percentage of departments allowing officers to drive marked vehicles between work and home increased from 39% in 1990 to 55% in 2000 (table 19). However, the percentage of departments allowing officers to use these vehicles for personal errands decreased from 24% to 13%.

Table 16. Use of off-land vehicles by police departments serving citieswith a population of 250,000 or more, 1990 and 2000

		F	Percent of ag	gencies using	g:		
Population	Airpl	anes	Helicop	oters	Boa	ats	
served	1990	2000	1990	2000	1990	2000	
Total	26%	29%	55%	66%	48%	58%	
1,000,000 or more	40%	50%	80%	90%	70%	70%	
500,000-999,999	33	24	67	62	62	76	
350,000-499,999	24	41	53	82	29	35	
250,000-349,999	7	7	21	36	36	50	

Table 17. Use of motorcycles by police departments serving cities with a population of 250,000 or more, 1990 and 2000

Population				
served	1990	2000		
All sizes	90%	95%		
1,000,000 or more	100%	100%		
500,000-999,999	95	95		
350,000-499,999	94	94		
250,000-349,999	71	93		

Table 18. Use of bicycles by police departments serving cities with a population of 250,000 or more, 1990 and 2000

Population	Percent of using bicyo		
served	1990	2000	
All sizes	39%	98%	
1,000,000 or more	50%	100%	
500,000-999,999	38	100	
350,000-499,999	41	100	
250,000-349,999	29	93	

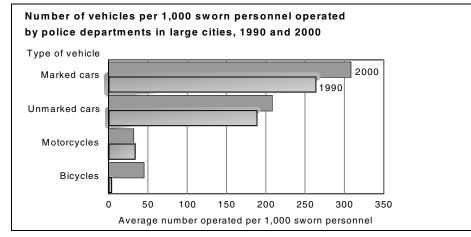




Table 19. Marked vehicle use policies of police departments servingcities with a population of 250,000 or more, 1990 and 2000

		1990			2000	
- Population served	Total	Personal use allowed	Personal use not allowed	Total	Personal use allowed	Personal use not allowed
All sizes	39%	24%	15%	55%	13%	42%
1,000,000 or more 500,000-999,999 350,000-499,999 250,000-349,999	20% 33 59 36	20% 19 35 21	0% 14 24 14	10% 67 71 50	0% 19 18 7	10% 48 53 43

Table 20.Use of computer-aideddispatch by police departmentsserving cities with a population of250,000 or more, 1990 and 2000

Population	Percent of using com aided disp	puter-
served	1990	2000
All sizes	90%	100%
1,000,000 or more	90%	100%
500,000-999,999	90	100
350,000-499,999	94	100
250,000-349,999	86	100

Computers and information systems

The increase in computerization among police departments in large cities from 1990 to 2000 was evident in a variety of areas. For example, all departments were using computeraided dispatch systems in 2000, compared to 90% in 1990 (table 20).

Participation in enhanced 9-1-1 emergency systems, capable of pinpointing a caller's location automatically, increased from 76% of departments in 1990 to 97% in 2000 (table 21). In 2000, all departments serving 250,000 to 999,999 residents were using enhanced 9-1-1.

Increases in the percentage of departments using in-field computers or terminals were also observed. Ninetytwo percent of police departments in large cities used them in 2000, compared to 73% in 1990 (table 22). All departments serving 500,000 or more residents were using in-field computers or terminals during 2000.

The use of Automated Fingerprint Identification Systems (AFIS) rose from 60% of departments in 1990 to 97% in 2000 (table 23). In 2000 all departments serving 350,000 or more residents had AFIS access. The percentage of departments with exclusive or shared ownership of an AFIS system increased from 57% to 71% during this time.

Table 21. Use of an enhanced 9-1-1system by police departmentsserving cities with a population of250,000 or more, 1990 and 2000

Population served	Percent of agencies with enhanced 9-1-1 1990 2000				
All sizes	76%	97%			
		•••			
1,000,000 or more	80%	90%			
500,000-999,999	76	100			
350,000-499,999 250.000-349.999	82 64	100 93			
230,000-349,999	04	93			

Table 22. Use of in-field computers or terminals by police departments serving cities with a population of 250,000 or more, 1990 and 2000

Population	Percent of agencies using in-field computers or terminals							
served	1990	2000						
All sizes	73%	92%						
1,000,000 or more 500,000-999,999 350,000-499,999 250,000-349,999	e 90% 81 77 43	100% 100 88 79						

Table 23. Automated Fingerprint Identification System (AFIS) capabilities of police departments serving cities with a population of 250,000 or more, 1990 and 2000

	Percent of agencies with AFIS capability through —								
		1990			2000				
Population served	Total	Owned system	Remote terminal	Total	Owned system	Remote terminal			
All sizes	60%	57%	3%	97%	71%	26%			
1,000,000 or more	60%	60%	0%	100%	90%	10%			
500,000-999,999	62	57	5	100	71	29			
350,000-499,999	77	71	6	100	65	35			
250,000-349,999	36	36	0	85	64	21			

Note: System ownership may have been exclusive or shared.

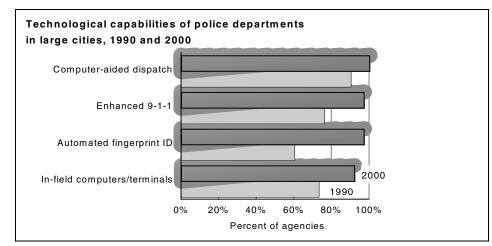


Figure 5

In terms of the technological measures provided by LEMAS, nearly all police departments in large cities had advanced capabilities in 2000 (figure 5). This included the use of computer-aided dispatch, enhanced 9-1-1, automated fingerprint identification, and in-field computers.

Appendix table A. Full-time employees of police departments serving cities with a population of 250,000 or more, 1990 and 2000

Las Angelies (CA) 10,085 12,409 13.2 315 336 6.8 8,295 3,341 12.6 238 253 6.2 Chicago (L) 14,999 14640 ph 13.4 426 335 596 6.2 11.357 13,466 13.8 425 425 273 8.7 Philadelpha (PA) 7,344 7,228 7,344 42 325 12.8 6,523 7,024 7,7 411 446 12.5 Philadelpha (PA) 7,344 7,228 7,344 42 325 12.8 6,523 7,024 7,7 411 446 12.5 Philadelpha (PA) 7,344 7,228 7,344 42 32 12.8 6,523 7,024 1,3 14 146 10.1 10.1 Philadelpha (PA) 3,447 3,346 3,348 2,424 2,128 2,453 2,586 2,48 2,42 1,44 146 1,41 146		Full-time employees							Full-time sworn personnel					
calagory and cly 1990 2000 change 1990 2000 1990 2000 1990 2000 1990 2000 1990 2000 1990 2000 1990 2000 1990 2000 1990 2000 1990 2000 1990 2000 1100 </th <th></th> <th>T</th> <th>otal numb</th> <th>ber</th> <th>Per 10</th> <th>0,000 res</th> <th>sidents</th> <th>Т</th> <th>otal numb</th> <th>ber</th> <th colspan="3">Per 100,000 residents</th>		T	otal numb	ber	Per 10	0,000 res	sidents	Т	otal numb	ber	Per 100,000 residents			
1000.00 er more 1000.00 er														
New York (NY) 39.388 50.029 94.6% 538 602 21.7% 31.238 64.358 29.4% 257 565 18.44 Chinago (L) 14.600 16.466 10.4 536 656 6.28 11.38 11.38 10.46 13.8 422 87 Chinago (L) 2.577 7.40 33.4 422 87 11.8 4.10 5.383 7.44 499 12.6 1.46 1.38 4.16 4.44 499 12.1 1.576 1.882 1.3 16.4 4.69 1.5 1.1 1.10 1.10 1.10 1.1 1.10 1.1 1.1 1.10 1.1 1.1 1.10 1.1 1.1 1.1 1.10 1.1	category and city	1990	2000	change	1990	2000	change	1990	2000	change	1990	2000	change	
Los Angeles (CA) 10,085 12,409 13.2 315 336 6.8 0,295 9,341 12.6 238 253 6.2 Cheago (L) 14,090 16,466 10.4 536 569 6.2 11.357 13,465 13.8 425 425 273 8.7 Philadephia (PA) 7,581 7,364 7.3 449 352 71.2 6.6,538 7,024 7.7 411 461 2.5 57 7,440 33.4 342 381 11.3 4,104 5,543 30.2 7.7 411 461 2.5 58 10,104 (C) 2,37 3,287 3,286 2.4 4.2 52 2.2 1.8 16 2,122 2.5 2.5 2.7 1.8 14 195 1.1 10,104 (C) 1,387 3,286 2.3 4.6 32 2.2 1.2 5.5 2,585 2,586 8.6 2.2 2.1 4.8 10 2.2 1.2 5 2.2 1.3 1.5 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	,,													
Chicago (L) 14,099 16,465 10.4 536 569 6.2 11.837 13,466 13.8 425 465 9,4 Houston (TX) 5,579 7,440 3.34 432 381 11.3 4,104 5,543 0.2 252 223 8.7 Philadelpha (PA) 7,354 7,223 7.8 464 522 12.6 6,523 7,024 7,7 411 463 12.5 Phoemx (AZ) 2,249 2,489 2,748 9,32 225 225 -0.2 1,89 2,252 11.3 169 163 1.1 0.5 an Anono (TX) 2,489 2,748 9,32 228 229 -0.2 1,875 1,882 19.4 19.4 198 0.3 an Anono (TX) 1912 2,387 2,48 2,249 2,29 2.2 1,1 1,1 1,1 0,2 2,1 0,9 4,1 1,1 1,1 0,1 1,1 1									-,				18.4%	
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Both All and Al	San Antonio (TX)			24.8	204	209			1,882	19.4	168	164	-2.4	
Detroit (M) 5.203 4.804 -7.7% 506 505 -0.2% 4.895 4.154 -0.6% 447 437 -2.20 San Jose (CA) 1.466 1.812 2.37 187 202 8.1 1.110 1.408 2.66 213 205 4.0 San Francisco (CA) 2.566 2.50 1.8 354 354 1.436 1.592 2.63 227 1.9 Jacksonville (FL) 2.080 2.561 2.33 2.85 1.436 1.592 2.86 1.66 1.81 Columbus (OH) 1.724 2.144 2.44 2.22 327 1.332 1.844 4.39 1.11 4.11 1.41 1.44 4.39 1.144 4.39 1.14 1.41 1.44 1.480 1.14 1.466 1.204 1.342 2.933 1.27 1.352 1.382 1.943 1.454 3.57 1.63 1.207 3.51 1.207 3.51 1.207 3.51 1.27<	Las Vegas (NV)	1,782	3,286	84.4	289	322	11.4	1,162	2,168	86.6	189	213	12.7	
Detroit (M) 5.203 4.804 -7.7% 506 505 -0.2% 4.895 4.154 -0.6% 447 437 -2.20 San Jose (CA) 1.466 1.812 2.37 187 202 8.1 1.110 1.408 2.66 213 205 4.0 San Francisco (CA) 2.566 2.50 1.8 354 354 1.436 1.592 2.63 227 1.9 Jacksonville (FL) 2.080 2.561 2.33 2.85 1.436 1.592 2.86 1.66 1.81 Columbus (OH) 1.724 2.144 2.44 2.22 327 1.332 1.844 4.39 1.11 4.11 1.41 1.44 4.39 1.144 4.39 1.14 1.41 1.44 1.480 1.14 1.466 1.204 1.342 2.933 1.27 1.352 1.382 1.943 1.454 3.57 1.63 1.207 3.51 1.207 3.51 1.207 3.51 1.27<	500 000 to 999 999													
San. Jace (CA) 1.465 1.812 23.7 187 202 8.1 1.110 1.408 1.68 142 157 10.9 San Francisco (CA) 2.566 2.520 -1.8 354 324 -6.5 1.777 2.227 2.23 245 287 16.8 Columbus (OH) 1.742 2.66 1.72 299 313 4.5 1.435 1.522 1.02 203 207 1.9 Jacksonville (FL) 2.060 2.641 2.22 237 345 5.5 1.181 1.530 28.6 1.86 1.23 1.144 4.9 1.174 2.1 2.14 2.41 2.44 2.72 2.37 1.343 4.34 4.29 2.5.3 1.382 1.904 6.0 3.99 466 1.99 Markine (WD) 2.041 1.444 1.866 1.99 A.667 7.1 297 3.35 1.267 2.7 2.357 1.427 1.37 1.437 1.99 4.060 3.612 1.98 1.42 1.93 1.44 1.910 1.333 1.261		5,203	4.804	-7.7%	506	505	-0.2%	4.595	4,154	-9.6%	447	437	-2.3%	
Henchulu (HII) 2.220 2.23 265 259 -2.4 1.781 1.792 C6 213 205 -4.0 Indianapolis (N) 2.113 2.402 13.7 2.99 313 4.5 1.436 1.592 2.53 2.65 16.8 10.9 2.03 2.07 1.9 Acksonville (FL) 2.080 2.641 2.22 327 345 5.5 1.436 1.502 2.86 8.26 1.777 2.278 324 4.25 2.86 1.830 1.444 4.3.9 171 1.74 2.1 Battimore (MD) 2.042 2.791 334 343 429 2.53 1.842 1.904 37.8 2.262 2.93 1.44 1.44 1.860 7.1 2.97 35.1 1.27 36.7 2.77 35.2 1.414 1.44 1.866 1.44 1.44 1.866 1.41 2.60 2.164 1.54 3.67 2.77 35.7 1.77 2.42									,					
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Columbus (OH) 1,724 2,144 24.4 272 301 10.6 1,381 1,744 2.3.3 218 245 12.3 Baltimore (MD) 3,414 3,649 6.9 464 550 2.8.6 7.8.3 1.444 4.3.8 1.7.44 2.3.1 Charlotte (NC) 1,201 1,864 55.2 22.6 2.8.61 3.0.34 4.0.4 1.8.66 1.9.98 7.1 2.02 2.31 1.4.4 4.3.8 1.6.6 1.9.98 7.1 2.02 2.31 1.4.4 4.3.8 1.6.6 1.9.98 7.1 2.02 2.31 1.4.4 4.3.8 1.6.6 1.9.98 7.1 2.02 2.31 1.4.4 4.3.8 1.6.6 1.9.98 7.1 2.02 2.31 1.4.5 1.5.0 2.2.6 1.3.31 3.4 2.0.6 3.31 3.7.8 1.0.57 4.3.2 1.4.3 1.8.8 3.0.9 3.5 2.4.6 2.2.6 1.3.31 3.7.7 3.7.3 3.6 1.0.7			2,541	22.2	327	345				29.6	186	208	11.9	
Baltimore (MD) 3.414 3.649 6.9 464 560 20.8 2.861 3.034 6.0 389 466 19.9 Memphis (TN) 2.092 2.791 334 334 342 29.3 1.382 1.904 37.8 226 293 29.3 Charlotte (NC) 1.201 1.864 55.2 261 298 14.1 930 1.442 55.1 202 231 14.0 Miwaukee (W) 2.274 2.472 8.7 362 414 144 1.866 1.998 7.1 297 335 12.7 Boston (MA) 2.741 3.046 11.1 477 517 8.3 2.053 2.144 5.4 357 367 2.7 Mashington (DC) 5.259 4.468 15.0 867 761 -9.9 4.506 3.612 -198 742 631 -15.0 Nashington (DC) 1.528 4.468 15.0 867 761 -9.9 4.506 3.612 -198 742 631 -15.0 Nashington (DC) 1.558 1.802 15.7 333 25.25 1.318 1.459 12.0 282 268 -4.8 9.0 203 1.775 1.918 8.1 302 325 -2.5 1.318 1.459 13.0 2.82 268 -4.8 Port Worth (TX) 1.255 1.510 2.03 280 282 0.7 950 1.196 2.59 212 224 5.4 Portand (OR) 9.955 1.347 41.0 218 255 16.6 769 1.007 30.9 176 190 8.2 Okahama City (OK) 1.158 1.269 9.6 260 251 -3.7 683 1.011 17.1 194 200 2.9 350.001 0.499.999 Tucson (A2) 989 1.253 26.7% 244 257 5.5% 745 928 24.6% 184 191 3.3% 2.4 New Orteans (LA) 1.666 2.050 2.16 339 423 24.7 1.397 1.664 19.1 281 343 22.1 Long Beach (CA) 968 1.363 40.8 226 255 31.0 643 881 37.0 150 191 2.75 340.001 0.499.999 1.253 26.7% 244 257 5.5% 745 928 24.6% 184 191 3.8% 1.03 191 2.75 194 1.94 1.94 1.94 1.94 1.94 1.94 1.94	Columbus (OH)										218			
Memphis (TN) 2.092 2.791 33.4 343 429 25.3 1.382 1.904 37.8 2.26 293 14.0 Milwaukse (WI) 2.274 2.472 8.7 362 141 14.4 1.866 1.998 7.1 297 335 12.7 Mushwike (WI) 2.274 3.472 8.7 362 141 14.4 1.866 1.998 7.1 297 335 12.7 Washington (DC) 5.259 4.468 1.11 477 517 9.9 4.506 3.612 1.98 7.2 200 1.850 1.657 43.2 143 188 30.9 3.5 33 25.2 1.31 1.489 1.00 2.26 2.01 3.5 33.3 22.5 2.5 1.31 1.489 1.01 2.24 2.64 .49.1 1.9 3.65 1.40 2.18 2.55 1.66 7.69 1.007 3.9 1.76 4.26 2.44 .54 .55 3.63 3.11 7.7 1.862 2.46% 1.91 3.24 2.24 <td>Austin (TX)</td> <td>1,082</td> <td>1,656</td> <td>53.0</td> <td>232</td> <td>252</td> <td>8.5</td> <td>795</td> <td>1,144</td> <td>43.9</td> <td>171</td> <td>174</td> <td>2.1</td>	Austin (TX)	1,082	1,656	53.0	232	252	8.5	795	1,144	43.9	171	174	2.1	
Charlotte (NC) 1,201 1,864 55.2 261 298 14.1 930 1,442 55.1 202 2,31 14.0 Mivaukee (WI) 2,274 2,472 2,472 8,7 362 414 14.4 1,866 1,998 7,1 297 335 12.7 Boston (MA) 2,741 3,046 11.1 477 517 8.3 2,053 2,164 5.4 357 367 2.7 Washington (DC) 5,259 4,468 -15.0 867 761 9.9 4,506 3,612 -19.8 742 631 -15.0 Nashville (TN) 1,319 1,693 284 258 297 15.0 1,020 1,249 22.5 200 2,19 9,8 El Paso (TX) 928 1,351 45.6 180 240 33.1 7.38 1,057 43.2 143 188 30.9 Seattle (WA) 1,775 1,918 8.1 344 340 -1.0 1,271 1,261 -0.8 246 224 9.1 Denver (CO) 1,558 1,802 15.7 33 325 -2.5 1,818 1,469 13.0 282 268 4.8 Fort Worth (TX) 1,55 1,510 20.3 280 282 0.7 950 1,096 25.9 212 224 5.4 Portland (DF) 9,55 1,347 41.0 218 255 16.6 769 1,007 30.9 176 182 Oklahoma City (OK) 1,158 1,269 9,6 260 251 -3.7 863 1,011 17.1 194 200 2.9 360,000 to 499,999 Tucson (A2) 989 1,253 26.7% 244 257 5.5% 745 928 24.6% 184 911 3,3% New Orleans (LA) 1,686 2,050 2,16 339 423 24.7 1,397 1,664 19.1 281 343 22.1 Cleveland (CH) 2,060 2,386 15.8 407 499 22.4 1,761 1,822 3.5 348 381 9.3 Long Beach (CA) 968 1,53 40.8 225 295 31.0 643 851 37.0 150 191 2,75 Albuguergue (MM) 1,184 1,236 4.4 308 276 -10.5 808 859 6.3 210 191 4.88 Kanasa City (MO) 1,718 1,848 7.6 395 247 5.429 683 592 121 160 31.9 Virgsina Beach (VA) 796 881 10.7 203 207 2.3 597 721 20.8 152 170 11.6 Sacramento (CA) 866 1,008 16.3 246 27.5 4.24 5.6 599 6.50 8.5 122 110 11.6 Sacramento (CA) 866 1,008 16.3 246 27.5 4.24 5.6 598 6.3 210 191 4.88 Kanasa City (MO) 1,718 1,848 7.6 395 242 272 7.4 616 710 15.3 165 178 7.4 Minnegolis (MN) 912 1,163 27.5 248 304 22.4 8.66 590 6.50 8.5 128 170 11.6 Sacramento (CA) 866 1,008 16.3 296 27.5 4.24 6.56 599 6.50 8.5 128 170 11.6 Sacramento (CA) 866 1,008 16.3 296 4.22 28 8.66 590 7.5 4.44 391 16.7 191 208 9.0 Oramaha (KE) 7.41 9.33 2.59 2.21 2.39 8.4 5.54 7.54 4.46 5.8 14.4 162 2.4 Pillobuigt (MO) 1,244 1,235 1.33 320 399 2.4.5 9.86 6.456 36.2 136 146 7.7 Caliantis (GM) 9.91 2.1.163 2.7.5 2.48 130 12.2 4.1.10 1,110 0.310 306 -1.1.1 Colorado Spring (CO) 591	Baltimore (MD)		3,649		464	560	20.8		,	6.0	389	466		
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u ouisville (KY) 812 1.009 24.3 302 394 30.5 630 689 9.4 234 269 14.8	Louisville (KY)	812	1,009	24.3	302	394	30.5	630	689	9.4	234	269	14.8	

Appendix table B. Percent of full-time sworn personnel who are women and minorities, and ratio of minority officers to minority residents, in police departments serving cities with a population of 250,000 or more, 1990 and 2000

	Fem	ale		Any minor	/	Black of	or African	American	Hispanic or Latino			
-	Percent o		Percent		Officer-to-	Percent		Officer-to-	Percent		Officer-to-	
Population	sworn personnel 1990 2000		onnel <u>sworn pe</u> 2000 1990		resident ratio, 2000	<u>sworn pe</u> 1990	2000	resident ratio, 2000	<u>sworn pe</u> 1990	2000	resident ratio, 2000	
	1990	2000	1990	2000	1410, 2000	1990	2000	Talio, 2000	1990	2000	Tallo, 2000	
1,000,000 or more												
New York (NY)	12.3%	15.5%	25.5%	34.7%	0.53	12.6%	13.3%	0.50	12.1%	17.8%	0.66	
Los Angeles (CA)	12.5	18.4	37.5	53.9	0.77	13.4	13.6	1.21	21.0	33.1	0.71	
Chicago (IL)	13.0	21.3	30.4	40.3	0.59	23.6	25.9	0.70	6.3	12.7	0.49	
Houston (TX)	9.6	12.4	26.3	39.7	0.57	14.4	19.4	0.77	11.4	17.9	0.48	
Philadelphia (PA)	14.7	24.2	26.5	41.1	0.71	23.2	34.5	0.80	2.8	5.6	0.66	
Phoenix (AZ)	8.1	15.0	15.5	17.9	0.40	3.6	3.9	0.76	11.0	12.0	0.35	
San Diego (CA)	12.7	14.5	24.0	30.7	0.61	7.7	8.7	1.10	11.4	15.9	0.63	
Dallas (TX) San Antonio (TX)	13.3 5.7	15.8 6.0	22.7 43.9	36.8 48.0	0.56	15.5	21.4	0.83	6.2	13.5	0.38	
Las Vegas (NV)	10.2	10.9	43.9 13.4	48.0 19.3	0.70 0.48	5.8 7.5	5.8 9.3	0.85 1.02	37.9 3.7	41.7 7.3	0.71 0.33	
5 ()	10.2	10.5	10.4	10.0	0.40	7.5	9.5	1.02	5.7	7.5	0.55	
500,000 to 999,999	00.00/	05.00/	FO 40/	CC 00/	0.74	E4 00 /	00 00 <i>/</i>		1.00/	0.00/		
Detroit (MI)	20.0%	25.3%	53.4%	66.2%	0.74	51.8%	62.9%	0.77	1.3%	3.0%	0.60	
San Jose (CA)	6.8	8.6	29.6	36.6	0.57	3.8	5.6	1.60	19.3	22.7	0.75	
Honolulu (HI) San Francisco (CA)	8.3 11.1	10.3 15.5	80.4 29.9	82.5 40.1	1.03	0.8	1.6	0.67	1.1	1.7	0.39	
()	13.9	13.4	29.9 16.5	17.9	0.71	8.8	9.7	1.24	10.1	13.5	0.96	
Indianapolis (IN)					0.58	15.8	16.6	0.69	0.7	0.7	0.18	
Jacksonville (FL)	5.0 12.1	11.0 14.0	18.9 14.3	22.6 15.5	0.60	17.5	19.5	0.67	1.1	1.2	0.29	
Columbus (OH) Austin (TX)	12.1	14.0 11.8	14.3 24.9	15.5 28.8	0.47 0.61	14.3 9.8	14.4 10.8	0.59 1.07	0.0 14.7	0.3 16.6	0.12 0.54	
Baltimore (MD)	10.9	15.7	24.9 27.7	20.0 41.5	0.61	9.8	38.6	0.60	0.5	16.6	0.54 0.94	
Memphis (TN)	14.6	16.2	32.2	47.8	0.80	32.1	36.6 45.7	0.80	0.5	1.0	0.94	
Charlotte (NC)	15.5	13.9	20.6	20.5	0.72	20.3	43.7 17.9	0.64	0.0	1.5	0.03	
Milwaukee (WI)	8.6	16.3	17.5	33.4	0.61	11.8	21.2	0.57	4.4	9.6	0.20	
Boston (MA)	8.4	13.0	25.9	31.7	0.63	20.5	24.1	0.95	4.8	5.0 6.0	0.42	
Washington (DC)	18.5	24.1	67.8	72.4	1.00	64.4	66.4	1.11	2.6	5.0	0.63	
Nashville (TN)	7.8	21.9	13.0	21.5	0.60	12.5	19.3	0.72	0.5	1.1	0.23	
El Paso (TX)	6.4	9.0	63.8	76.3	0.93	2.2	2.2	0.71	60.7	72.1	0.94	
Seattle (WA)	10.2	14.4	16.1	24.3	0.76	6.5	9.9	1.18	2.4	4.6	0.87	
Denver (CO)	9.4	11.1	23.7	30.7	0.64	6.8	10.0	0.90	16.2	19.1	0.60	
Fort Worth (TX)	12.4	16.8	19.4	25.0	0.46	10.7	12.0	0.59	8.1	11.9	0.40	
Portland (OR)	11.7	16.6	7.6	10.4	0.42	3.1	3.3	0.50	2.0	2.4	0.35	
Oklahoma City (OK)	10.8	11.3	11.0	12.9	0.37	7.3	7.6	0.49	1.0	2.4	0.24	
350,000 to 499,999												
Tucson (AZ)	12.2%	15.7%	24.4%	26.7%	0.58	3.1%	3.4%	0.79	20.0%	20.7%	0.58	
New Orleans (LA)	12.0	14.5	40.1	54.0	0.58	39.4	51.4 /8	0.76	20.0 %	1.9	0.58	
Cleveland (OH)	12.8	16.9	27.9	33.5	0.55	24.6	27.0	0.53	3.3	5.9	0.81	
Long Beach (CA)	8.7	10.6	17.3	32.7	0.49	5.3	6.5	0.44	10.1	18.5	0.52	
Albuquerque (NM)	11.3	11.4	42.0	39.7	0.79	2.4	2.0	0.65	37.9	36.3	0.91	
Kansas City (MO)	11.7	14.9	15.5	16.9	0.40	12.9	12.1	0.39	2.3	3.8	0.55	
Fresno (CA)	6.1	10.7	30.1	38.1	0.61	7.7	6.3	0.75	20.3	26.8	0.67	
Virginia Beach (VA)	9.5	10.4	11.2	14.4	0.47	8.0	9.6	0.51	1.5	1.7	0.40	
Atlanta (GA)	12.9	16.6	54.1	59.2	0.86	52.5	57.1	0.93	1.6	1.3	0.29	
Sacramento (CA)	9.7	13.7	25.7	29.4	0.49	6.3	6.5	0.42	11.9	11.5	0.53	
Oakland (CA)	7.0	10.1	44.6	54.5	0.71	25.3	25.9	0.73	10.7	16.2	0.74	
Mesa (AZ)	8.9	10.2	8.0	19.7	0.74	1.0	2.6	1.04	6.0	14.8	0.75	
Tulsa (OK)	11.1	14.0	13.8	21.4	0.65	9.1	10.9	0.70	0.4	1.6	0.22	
Omaha (NE)	8.2	19.7	14.0	18.1	0.74	10.8	11.1	0.83	2.7	5.5	0.73	
Minneapolis (MN)	10.5	15.7	8.4	15.7	0.42	3.2	6.2	0.34	2.1	3.4	0.45	
Miami (FL)	12.1	17.6	64.7	81.4	0.92	19.9	27.2	1.22	44.5	53.6	0.81	
Colorado Springs (CO)	7.1	12.5	14.3	18.6	0.75	4.9	5.5	0.83	8.4	10.6	0.88	
250,000 to 349,999												
St. Louis (MO)	7.1%	13.3%	26.8%	33.8%	0.61	26.3%	31.9%	0.62	0.5%	1.1%	0.55	
Wichita (KS)	5.9	10.7	7.8	17.9	0.68	4.7	9.2	0.81	2.8	5.3	0.55	
Santa Ana (CA)	3.9	10.4	29.6	42.1	0.76	2.4	1.2	0.71	24.6	36.9	0.48	
Pittsburgh (PA)	22.8	24.6	24.6	24.9	0.80	24.3	24.9	0.92	0.2	0.0	0.48	
Arlington (TX)	8.1	14.8	12.9	30.5	0.85	6.7	12.0	0.88	6.2	12.6	0.69	
Cincinnati (OH)	10.1	19.6	17.2	30.0	0.65	16.5	28.7	0.67	0.3	0.0	0.00	
Anaheim (CA)	6.4	10.3	15.4	23.7	0.49	2.3	2.0	0.74	10.2	17.6	0.38	
Toledo (OH)	13.9	21.0	21.2	26.2	0.86	17.0	19.1	0.81	4.1	6.8	1.24	
Tampa (FL)	15.5	15.4	23.7	27.2	0.57	11.8	12.4	0.48	11.3	12.9	0.67	
Buffalo (NY)	12.9	20.9	25.7	31.9	0.68	19.2	23.5	0.63	6.0	8.1	1.07	
St. Paul (MN)	7.1	16.1	9.2	13.4	0.41	4.9	6.6	0.56	2.3	3.3	0.42	
	6.0	6.6	46.0	45.0	1.07	4.1	3.2	0.68	41.1	41.3	0.76	
Corpus Christi (1X)												
Corpus Christi (TX) Newark (NJ)	3.0	11.9	42.0	64.3	0.83	31.3	36.8	0.69	10.7	27.5	0.93	

Appendix table C. Annual operating budget of police departments serving cities with a population of 250,000 or more, 1990 and 2000

- -			Annua	l operating	Q 1	,			
		Total			Per reside		Per s	Per sworn employ	
Population category and city	1990	2000	Percent change	1990	2000	Percent change	1990	2000	Percent change
1,000,000 or more	1000	2000	onango	1000	2000	onango	1000	2000	onango
New York (NY)	\$2,728,353,656	\$3 210 000 000	17.7%	\$373	\$401	7.6%	\$87,346	\$79,387	-9.1%
Los Angeles (CA)	653,646,007	891,679,649	36.4	188	241	28.7	78,800	95,459	21.1
Chicago (IL)	990,285,433	910,000,000	-8.1	356	314	-11.7	83,660	67,578	-19.2
Houston (TX)	299,064,866	425,867,364	42.4	183	218	18.9	72,872	79,706	9.4
Philadelphia (PA)	385,153,889	384,625,924	-0.1	243	253	4.3	59,046	54.759	-7.3
Phoenix (AZ)	184,396,384	217,617,984	18.0	188	165	-12.1	94,611	82,871	-12.4
San Diego (CA)	163,299,058	232,910,664	42.6	147	190	29.5	89,922	115,188	28.1
Dallas (TX)	203,703,864	246,000,000	20.8	202	207	2.3	77,307	85,954	11.2
San Antonio (TX)	117,910,059	197,013,318	67.1	126	172	36.6	74,816	104,683	39.9
Las Vegas (NV)	139,128,276	240,714,303	73.0	226	236	4.5	119,732	111,031	-7.3
500,000 to 999,999									
Detroit (MI)	\$437,808,244	\$352,453,163	-19.5%	\$426	\$371	-13.0%	\$95,279	\$84,847	-10.9%
San Jose (CA)	161,496,212	182,962,392	13.3	206	204	-1.0	145,492	129,945	-10.7
Honolulu (HI)	129,355,317	140,782,160	8.8	155	161	3.9	72,631	78,561	8.2
San Francisco (CA)	239,437,393	255,706,971	6.8	331	333	0.7	134,742	114,821	-14.8
Indianapolis (IN)	110,034,203	146,520,013	33.2	156	189	21.0	76,625	92,035	20.1
Jacksonville (FL)	136,543,217	185,377,073	35.8	215	252	17.2	115,617	118,717	2.7
Columbus (OH)	111,587,657	177,210,599	58.8	176	249	41.3	80,802	101,612	25.8
Austin (TX)	66,511,125	107,687,988	61.9	143	164	14.8	83,662	94,133	12.5
Baltimore (MD)	224,811,682	231,297,485	2.9	305	355	16.3	78,578	76,235	-3.0
Memphis (TN)	93,875,910	140,000,000	49.1	154	215	40.0	67,928	73,529	8.2
Charlotte (NC)	56,903,544	111,642,098	96.2	124	179	44.3	61,187	77,368	26.4
Milwaukee (WI)	146,967,579	149,812,727	1.9	234	251	7.2	78,761	74,981	-4.8
Boston (MA)	160,676,235	204,000,000	27.0	280	346	23.8	78,264	94,270	20.5
Washington (DC)	278,822,171	316,666,268	13.6	459	554	20.5	61,878	87,671	41.7
Nashville (TN)	86,455,724	101,829,813	17.8	169	179	5.6	84,761	81,529	-3.8
El Paso (TX)	48,256,985	82,040,937	70.0	94	146	55.4	65,389	77,617	18.7
Seattle (WA)	109,287,078	135,604,854	24.1	212	241	13.7	85,985	107,538	25.1
Denver (CO)	107,833,358	123,318,114	14.4	231	222	-3.6	81,816	82,819	1.2
Fort Worth (TX)	63,928,322	119,119,884	86.3	143	223	56.0	67,293	99,599	48.0
Portland (OR)	78,432,681	110,000,000	40.2	179	208	15.9	101,993	108,857	6.7
Oklahoma City (OK)	59,713,305	93,430,016	56.5	134	185	37.5	69,193	92,413	33.6
350,000 to 499,999									
Tucson (AZ)	\$61,914,634	\$88,406,720	42.8%	\$153	\$182	18.9%	\$83,107	\$95,266	14.6%
New Orleans (LA)	101,768,157	102,000,000	0.2	205	210	2.8	72,848	61,298	-15.9
Cleveland (OH)	133,221,062	252,000,000	89.2	263	527	99.9	75,651	138,310	82.8
Long Beach (CA)	108,313,041	135,574,459	25.2	252	294	16.5	168,450	151,649	-10.0
Albuquerque (NM)	62,636,736	76,068,000	21.4	163	170	4.2	77,521	88,554	14.2
Kansas City (MO)	114,926,917	134,445,917	17.0	264	304	15.3	100,111	107,299	7.2
Fresno (CA)	61,407,976	75,786,100	23.4	173	177	2.2	143,142	110,961	-22.5
Virginia Beach (VA)	47,703,647	57,960,815	21.5	121	136	12.3	79,906	80,389	0.6
Atlanta (GA)	93,699,529	119,407,023	27.4	238	287	20.6	60,064	81,009	34.9
Sacramento (CA)	74,702,843	75,721,000	1.4	202	186	-8.0	117,550	116,494	-0.9
Oakland (CA)	109,871,167	127,724,062	16.2	295	320	8.3	178,362	179,893	0.9
Mesa (AZ)	38,777,844	90,261,296	132.8	135	228	69.2	100,984	125,887	24.7
Tulsa (OK)	59,854,715 37,453,397	63,359,000	5.9	163	161	-1.1	85,263	77,361	-9.3
Omaha (NE)		63,943,172	70.7	112	164	47.0	63,053	84,413	33.9
Minneapolis (MN)	61,355,681	91,481,322	49.1 16.6	167 290	239 239	43.6 -17.5	76,124 93,588	101,421 78,014	33.2 -16.6
Miami (FL) Colorado Springs (CO)	103,882,805 38,587,451	86,595,193 56,182,134	-16.6 45.6	290 137	239 156	-17.5	93,588 95,043	78,014 95,874	-16.6
	00,007,701	00,102,104	40.0	107	100	10.4	00,040	00,074	0.0
250,000 to 349,999	#110 500 005	6444 000 000	0 10/	ACT C	ACC7	47 50/	A 74 000	A70 503	0.00/
St. Louis (MO)	\$110,560,099	\$114,000,000	3.1%	\$279	\$327	17.5%	\$71,606	\$76,561	6.9%
Wichita (KS)	29,577,966	48,000,000	62.3	97	139	43.3	69,924	78,818	12.7
Santa Ana (CA)	53,915,241	80,752,086	49.8	184	239	30.2	141,139	199,881	41.6
Pittsburgh (PA)	101,701,014	65,452,306	-35.6	275	196	-28.8	88,206	63,178	-28.4
Arlington (TX)	27,047,667	44,900,000	66.0	103	135	30.5	75,977	92,577	21.8
Cincinnati (OH)	58,843,766	78,148,540	32.8	162	236	45.9	62,733	75,872	20.9
Anaheim (CA)	\$49,977,230	65,848,988	31.8	188	201	7.0	139,407	160,217	14.9
Toledo (OH)	55,377,750	64,182,050	15.9	166	205	23.0	81,080	93,017	14.7
Tampa (FL)	65,982,033	89,570,060	35.7	236	295	25.3	80,075	95,389 60 515	19.1
Buffalo (NY)	87,801,103	64,510,224	-26.5	268	220	-17.6	85,079	69,515	-18.3
St. Paul (MN)	51,257,595 28,825,332	63,607,453	24.1 33.7	188	222	17.6 24.0	96,349 78,543	110,430	14.6 20.5
Corpus Christi (TX) Newark (NJ)	28,825,332	38,531,910 114,991,157	33.7 62.8	112 257	139 420	24.0 63.8	78,543 69,744	94,673 78,439	20.5 12.5
Louisville (KY)	45,080,533	64,721,454	62.8 43.6	257 168	420 253	50.8	69,744 71,556	78,439 93,375	12.5 31.3
	40,000,000	04,721,404	40.0	100	200	50.0	71,000	30,070	01.0

Appendix table D. UCR violent crime index offenses reported to police departments serving cities with a population of 250,000 or more, 1990 and 2000

–	т	otal numb	ar		ent crime ir 00.000 resi	ndex offenses	Dor 100) sworn em	nlovees
	Total number Percent			Per 1	JU,UUU resi	Percent	rer IU	swornem	Percent
Population category and city	1990	2000	change	1990	2000	change	1900	2000	change
,000,000 or more									
lew York (NY)	174,689	75,745	-56.6%	2,386	946	-60.4%	559	187	-66.5%
os Angeles (CA)	83,809	50,241	-40.1	2,405	1,360	-43.5	1,010	538	-46.8
Chicago (IL)	81,208	48,089	-40.8	2,917	1,661	-43.1	686	357	-47.9
louston (TX)	22,637	21,491	-5.1	1,388	1,100	-20.8	552	402	-27.1
()	21,387	22,812	6.7	1,349	1,503	11.4	328	325	-0.9
hiladelphia (PA)									
hoenix (AZ)	10,665	9,754	-8.5	1,084	738	-31.9	547	371	-32.1
an Diego (CA)	12,047	7,159	-40.6	1,085	585	-46.1	663	354	-46.6
allas (TX)	24,550	16,042	-34.7	2,438	1,350	-44.6	932	561	-39.8
an Antonio (TX)	5,730	7,905	38.0	612	691	12.8	364	420	15.6
as Vegas (NV)	4,510	6,349	40.8	732	622	-15.0	388	293	-24.5
00,000 to 999,999									
etroit (MI)	27,747	22,112	-20.3%	2,699	2,324	-13.9%	604	532	-11.8%
an Jose (CA)	4,698	4,928	4.9	601	551	-8.3	423	350	-17.3
onolulu (HI)	2,412	2,302	-4.6	288	263	-8.9	135	128	-5.1
an Francisco (CA)	12,388	6,499	-47.5	1,711	837	-51.1	697	292	-58.1
dianapolis (IN)	7,113	6,843	-3.3	1,007	891	-11.5	495	430	-13.2
acksonville (FL)	11,654	8,206	-29.6	1,835	1,116	-39.2	987	536	-45.6
olumbus (OH)	7,022	5,998	-14.6	1,109	843	-24.0	508	344	-32.4
ustin (TX)	3,326	3,069	-7.7	714	467	-34.7	418	268	-36.0
altimore (MD)	17,942	16,003	-10.8	2,438	2,458	0.8	627	527	-15.9
emphis (TN)	9,082	9,610	5.8	1,488	1,478	-0.7	657	505	-23.2
• • •	,								
harlotte (NC)	9,531	7,515	-21.2	2,072	1,202	-42.0	1,025	521	-49.1
ilwaukee (WI)	6,282	5,711	-9.1	1,000	957	-4.3	337	286	-15.2
oston (MA)	13,664	7,322	-46.4	2,379	1,243	-47.8	666	338	-49.2
ashington (DC)	14,919	8,625	-42.2	2,458	1,508	-38.7	331	239	-27.9
ashville (TN)	6,886	8,901	29.3	1,378	1,562	13.3	675	713	5.6
Paso (TX)	5,111	4,396	-14.0	992	780	-21.4	693	416	-39.9
eattle (WA)	7,780	4,333	-44.3	1,507	769	-49.0	612	344	-43.9
· · ·				899		-49.0 -42.2	319		
enver (CO)	4,205	2,885	-31.4		520			194	-39.3
ort Worth (TX)	7,826	3,815	-51.3	1,748	714	-59.2	824	319	-61.3
ortland (OR)	7,836	5,698	-27.3	1,792	1,077	-39.9	1,019	566	-44.5
klahoma City (OK)	4,813	3,951	-17.9	1,082	781	-27.9	558	391	-29.9
50,000 to 499,999									
ucson (AZ)	3,680	4,542	23.4%	908	933	2.8%	494	489	-0.9%
ew Orleans (LA)	11,227	5,330	-52.5	2,259	1,100	-51.3	804	320	-60.1
· · ·									
leveland (OH)	9,190	6,041	-34.3	1,818	1,263	-30.5	522	332	-36.5
ong Beach (CA)	8,403	3,216	-61.7	1,957	697	-64.4	1,307	365	-72.1
lbuquerque (NM)	5,121	5,136	0.3	1,331	1,145	-14.0	634	598	-5.7
ansas City (MO)	11,087	7,179	-35.2	2,550	1,626	-36.3	966	573	-40.7
resno (CA)	4,399	3,843	-12.6	1,242	899	-27.6	1,025	563	-45.1
irginia Beach (VA)	902	936	3.8	229	220	-4.1	151	130	-14.1
lanta (GA)	16,097	11,583	-28.0	4,085	2,781	-31.9	1,032	786	-23.8
· · ·									
acramento (CA)	3,978	3,117	-21.6	1,077	766	-28.9	664	480	-27.8
akland (CA)	5,845	5,038	-13.8	1,570	1,261	-19.7	949	710	-25.2
esa (AZ)	1,724	2,393	38.8	598	604	0.9	449	334	-25.7
ılsa (OK)	4,898	4,411	-9.9	1,334	1,122	-15.8	698	539	-22.8
maha (NE)	3,139	3,164	0.8	935	811	-13.2	528	422	-20.2
inneapolis (MN)	5,367	4,404	-17.9	1,457	1,151	-21.0	666	488	-26.7
iami (FL)	15,607	7,877	-49.5	4,353	2,173	-50.1	1,406	710	-49.5
blorado Springs (CO)	1,184	1,716	44.9	4,353	475	12.9	292	293	-49.5
	1,104	1,710	44.3	461	4/0	12.3	292	290	0.4
0,000 to 349,999									
. Louis (MO)	13,682	7,936	-42.0%	3,449	2,279	-33.9%	886	533	-39.9%
ichita (KS)	2,189	2,081	-4.9	720	604	-16.1	517	342	-34.0
inta Ana (CA)	2,663	1,829	-31.3	907	541	-40.3	697	453	-35.1
tsburgh (PA)	4,893	3,267	-33.2	1,323	976	-26.2	424	315	-25.7
				717					
lington (TX)	1,876	2,157	15.0		648	-9.6	527	445	-15.6
ncinnati (OH)	4,476	2,671	-40.3	1,230	806	-34.4	477	259	-45.7
naheim (CA)	1,802	1,413	-21.7	676	430	-36.3	524	356	-32.1
oledo (OH)	3,541	2,380	-32.8	1,064	759	-28.6	518	345	-33.5
ampa (FL)	8,608	6,381	-25.9	3,074	2,103	-31.6	1,045	680	-34.9
uffalo (NY)	5,275	3,657	-30.7	1,608	1,250	-22.3	511	394	-22.9
t. Paul (MN)	2,763	2,393	-13.3	1,015	833	-17.9	519	416	-19.9
orpus Christi (TX)	1,607	2,104	30.9	624	758	21.5	438	517	18.1
ewark (NJ)	10,684	4,092	-61.7	3,882	1,496	-61.7	1,055	279	-73.5
ouisville (KY)	2,281	2,036	-10.7	848	795	-6.3	362	296	-18.4

Appendix table E. UCR property crime index offenses reported to police departments serving cities with a population of 250,000 or more, 1990 and 2000

Population		Total numbe	er		00,000 resi	index offenses idents	Per 100) sworn em	ployees
			Percent		,	Percent			Percent
category and city	1990	2000	change	1990	2000	change	1900	2000	change
1,000,000 or more	F00 007	040.000	00.46		0 0	00.00			00 10
New York (NY)	536,867	212,623	-60.4%	7,332	2,655	-63.8%	1,719	526	-69.4%
Los Angeles (CA)	237,727	130,297	-45.2	6,821	3,526	-48.3	2,866	1,395	-51.3
Chicago (IL)	228,829	169,699	-25.8	8,220	5,860	-28.7	1,933	1,260	-34.8
Houston (TX)	162,232	110,220	-32.1	9,950	5,642	-43.3	3,953	2,063	-47.8
Philadelphia (PA)	92,645	75,188	-18.8	5,843	4,955	-15.2	1,420	1,070	-24.6
Phoenix (AZ)	95,114	87,744	-7.7	9,672	6,642	-31.3	4,880	3,341	-31.5
San Diego (CA)	89,517 131,717	39,199	-56.2	8,061	3,204	-60.2	4,929	1,939	-60.7
Dallas (TX) San Antonio (TX)	111,044	89,008 78,424	-32.4 -29.4	13,082 11,865	7,489 6,851	-42.8 -42.3	4,999 7,046	3,110 4,167	-37.8 -40.9
Las Vegas (NV)	39,434	41,059	4.1	6,399	4,025	-42.3	3,394	1,894	-40.9
	00,404	41,000	4.1	0,000	4,020	07.1	0,004	1,004	
500,000 to 999,999 Detroit (MI)	97,578	73,649	-24.5%	9,492	7,742	-18.4%	2,124	1,773	-16.5%
San Jose (CA)	33,392	17,880	-46.5	4,269	1,998	-53.2	3,008	1,270	-57.8
Honolulu (HI)	48,616	44,357	-8.8	5,814	5,063	-12.9	2,730	2,475	-9.3
San Francisco (CA)	57,562	35,675	-38.0	7,951	4,593	-42.2	3,239	1,602	-50.5
Indianapolis (IN)	45,777	30,198	-33.3	6,484	3,977	-38.7	3,188	1,919	-39.8
Jacksonville (FL)	54,964	42,866	-22.0	8,653	5,827	-32.7	4,654	2,802	-39.8
Columbus (OH)	55,681	57,096	2.5	8,798	8,025	-8.8	4,032	3,274	-18.8
Austin (TX)	51,217	35,611	-30.5	11,000	5,428	-50.7	6,442	3,113	-51.7
Baltimore (MD)	60,047	49,883	-16.9	8,158	7,661	-6.1	2,099	1,644	-21.7
Memphis (TN)	51,173	49,904	-2.4	8,384	7,684	-8.4	3,703	2,621	-29.1
Charlotte (NC)	45,368	41,948	-7.5	9,865	6,708	-32.0	4,878	2,909	-40.4
Milwaukee (WI)	52,124	38,381	-26.4	8,299	6,429	-22.5	2,793	1,921	-31.2
Boston (MA)	54,393	28,548	-47.5	9,471	4,846	-48.8	2,649	1,319	-50.2
Washington (DC)	50,470	32,982	-34.7	8,316	5,765	-30.7	1,120	910	-18.7
Nashville (TN)	32,474	39,689	22.2	6,500	6,964	7.1	3,184	3,178	-0.2
El Paso (TX)	52,810	30,276	-42.7	10,248	5,371	-47.6	7,156	2,864	-60.0
Seattle (WA)	57,303	40,967	-28.5	11,100	7,272	-34.5	4,508	3,249	-27.9
Denver (CO)	32,064	23,417	-27.0	6,857	4,222	-38.4	2,433	1,573	-35.4
Fort Worth (TX)	59,214	34,327	-42.0	13,229	6,420	-51.5	6,233	2,870	-54.0
Portland (OR)	40,709	35,245	-13.4	9,309	6,661	-28.4	5,294	3,500	-33.9
Oklahoma City (OK)	42,377	43,894	3.6	9,529	8,672	-9.0	4,910	4,342	-11.6
350,000 to 499,999									
Tucson (AZ)	44,478	39,983	-10.1%	10,972	8,215	-25.1%	5,970	4,309	-27.8%
New Orleans (LA)	50,572	28,671	-43.3	10,177	5,916	-41.9	3,620	1,723	-52.4
Cleveland (OH)	36,895	26,543	-28.1	7,297	5,548	-24.0	2,095	1,457	-30.5
Long Beach (CA)	32,703	14,451	-55.8	7,615	3,131	-58.9	5,086	1,640	-67.7
Albuquerque (NM)	33,600	34,311	2.1	8,733	7,648	-12.4	4,158	3,994	-3.9
Kansas City (MO)	45,221	39,944	-11.7	10,403	9,046	-13.0	3,939	3,188	-19.1
Fresno (CA)	32,897	29,025	-11.8	9,288	6,787	-26.9	7,668	4,250	-44.6
Virginia Beach (VA)	21,814	16,746	-23.3	5,550	3,938	-29.0	3,654	2,320	-36.4
Atlanta (GA)	59,696	43,885	-26.5	15,151	10,537	-30.4	3,827	2,977	-22.2
Sacramento (CA)	29,732	24,221	-18.5	8,049	5,951	-26.1	4,964	3,726	-24.9
Oakland (CA)	34,750	20,022	-42.4	9,335	5,012	-46.3	5,641	2,820	-50.0
Mesa (AZ)	18,691	23,132	23.8	6,488	5,836	-10.0	4,867	3,226	-33.7
Tulsa (OK)	30,122	22,442	-25.5	8,201	5,710	-30.4	4,291	2,740	-36.1
Omaha (NE)	20,534	23,655	15.2	6,115	6,065	-0.8	3,457	3,154	-8.8
Minneapolis (MN)	36,778	23,085	-37.2	9,984	6,033	-39.6	4,563	2,559	-43.9
Miami (FL)	52,602	31,879	-39.4	14,671	8,795	-40.1	4,739	2,872	-39.4
Colorado Springs (CO)	19,833	16,968	-14.4	7,054	4,702	-35.9	4,885	2,796	-40.7
250,000 to 349,999									
St. Louis (MO)	44,517	42,717	-4.0%	11,222	12,268	9.3%	2,883	2,869	-0.5%
Wichita (KS)	24,952	19,588	-21.5	8,208	5,689	-30.7	5,899	3,216	-45.5
Santa Ana (CA)	19,628	8,623	-56.1	6,682	2,551	-61.8	5,138	2,134	-58.5
Pittsburgh (PA)	27,493	16,189	-41.1	7,433	4,839	-34.9	2,384	1,563	-34.5
Arlington (TX)	20,433	19,323	-5.4	7,807	5,803	-25.7	5,740	3,984	-30.6
Cincinnati (OH)	23,031	18,975	-17.6	6,327	5,728	-9.5	2,455	1,842	-25.0
Anaheim (CA)	17,294	8,496	-50.9	6,492	2,590	-60.1	5,027	2,140	-57.4
Toledo (OH)	28,453	21,643	-23.9	8,546	6,901	-19.2	4,166	3,137	-24.7
Tampa (FL)	36,052	27,285	-24.3	12,875	8,992	-30.2	4,375	2,906	-33.6
Buffalo (NY)	23,906	16,591	-30.6	7,286	5,669	-22.2	2,316	1,788	-22.8
St. Paul (MN)	19,381	16,326	-15.8	7,119	5,686	-20.1	3,643	2,834	-22.2
Corpus Christi (TX)	24,928	17,905	-28.2	9,683	6,453	-33.4	6,792	4,399	-35.2
Newark (NJ)	34,055	15,571	-54.3	12,374	5,692	-54.0	3,362	1,062	-68.4
Louisville (KY)	15,004	13,022	-13.2	5,576	5,082	-8.9	2,382	1,777	-25.4

Methodological notes

A large part of the data used in this report are from the Law Enforcement Management and Administrative Statistics (LEMAS) surveys conducted in 1990 and 2000. Population data are from the U.S. Census Bureau decennial census, and crime data are from the FBI's Uniform Crime Reports (UCR). Certain methodological issues arose during analysis and are discussed below.

Jurisdictional issues

The 62 cities included in this report were chosen because they had a population of at least 250,000 in both the 1990 and 2000 decennial censuses. In most cases the data used represent a city and the local police department that serves it. For certain cities, special circumstances existed and are noted below.

Anaheim (CA)

The Anaheim (CA) Police did not respond to the 1990 LEMAS survey. Although personnel counts were obtained from other sources, other values for 1990 were based on the agency's responses to the 1987 and 1993 surveys. Where data values for categorical variables differed, the data for 1993 were used. Continous variables such as number of personnel, operating budget, number of vehicles, and asset forfeiture receipts were averaged for the two years to arrive at an estimate for 1990.

Charlotte (NC)

The Charlotte Police and Mecklenberg County Police merged on October 1, 1993. To provide comparability with 2000 data for the Charlotte-Mecklenberg Police, the data reported by the two original agencies for 1990 were aggregated for continuous variables. For categorical variables in 1990, data from the Charlotte Police were used.

Honolulu (HI)

The jurisdiction of the Honolulu Police covers the City and County of Honolulu. Therefore, county population data were used for this report.

Indianapolis (IN)

The city of Indianapolis is served by both the Indianapolis Police and the Marion County Sheriff's Department. Therefore, data from these two agencies were combined for both 1990 and 2000. For categorical variables, data from the Indianapolis Police were used, and for continuous variables, the responses of the two agencies were aggregated.

Las Vegas (NV)

The city of Las Vegas is under the law enforcement jurisdiction of the Las Vegas Metropolitan Police Department. (LVMPD). The jurisdiction of the LVMPD extends beyond the city of Las Vegas to include significant portions of suburban Clark County. General population counts were available for the actual LVMPD jurisdictional area, however; race and ethnicity were not. Therefore, the population race and ethnicity data used are for all of Clark County. This includes the city of Las Vegas, and county areas inside and outside of LVMPD law enforcement jurisdiction.

New York (NY)

The New York City transit and housing police agencies were merged into the New York City Police Department (NYPD) on April 30, 1995. To provide comparability with the 2000 data reported by NYPD, data reported by the transit and housing police for 1990 were combined with NYPD data. For categorical variables, the responses of the NYPD were used. For continuous variables, data for the three original agencies were aggregated.

Comparability issues

All items that could be compared between the 1990 and 2000 surveys were included for analysis. Certain items asked in both surveys could not be included because of comparability issues. In some cases, items were included when the design of the questions had changed because it was determined to not affect comparability. These items included the following:

Training requirements

The 1990 LEMAS survey asked for the number of *classroom* and field training hours required while the 2000 survey asked for the number of *academy* and field hours.

Operating costs

The 1990 survey asked for the annual operating *expenditure* while the 2000 survey asked for the operating *budget*. All monetary data were converted to 2000 dollars by multiplying them by 1.3393. This factor was derived from annual Consumer Price Index averages published by the Bureau of Labor Statistics, Bureau of Economic Analysis.

UCR Crime data

Changes in reporting methods at the State or local levels may affect the comparability of crime data for 1990 and 2000. This has been documented for Tennessee, including the cities of Nashville and Memphis, which appear to have underreported certain crimes in 1990. Comparability issues may exist in other jurisdictions as well, documented or not.

Data on the number of forcible rapes in Chicago were not available for 1990 or 2000. Estimates based on the number of other violent crimes were calculated for this report.

When comparing crime rates between jurisdictions, the FBI suggests considering factors such as population density, degree of urbanization, demographic composition of the population, stability of the population, transportation modes and systems, economic conditions, cultural factors, family conditions, climate, effective strength of law enforcement agencies, administrative and investigative emphasis of law enforcement, criminal justice system policies, citizen attitudes, and citizen crime reporting practices. For more information on the Uniform Crime Reports see <http://www.fbi.gov/ ucr/ucr.htm>.

Special units

The 1990 survey asked if the agency operated a special unit with personnel

assigned either full-time or part-time. The 2000 survey asked if the agency operated a unit with personnel assigned full-time or had specially designated personnel who dealt with the issue on a part-time basis.

In-field computers

The 1990 survey included the categories of laptop, car-mounted digital terminal, hand-held digital terminal and "other". The 2000 survey included the four specific categories of laptop, mobile digital/data computer, mobile digital/data terminal, and "other" within two general categories of vehiclemounted and portable.

Minority representation ratio

The officer-to-resident ratios used to measure minority representation in figure 1 and appendix table B were calculated by dividing the percent of an agency's full-time sworn personnel who were members of a racial or ethnic group by the percentage in the population served who belonged to that group. In some instances this resulted in a value greater than 1 (that is, a group was over represented).

Such values are included in table B; however, for the purposes of calculating the average ratios used in figure 1, these values were truncated to 1.00.

This was done so that average ratios would not be artificially inflated by overrepresentation in certain agencies. By definition the overrepresentation of one group is accompanied by the under representation of one or more other groups. Ideally, all groups would have an officer-to-resident ratio of 1.

This report in portable document format and in ASCII, its tables, and related statistical data are available at the BJS website <http://www.ojp. usdoj.gov/bjs>. If you wish to receive e-mails notifying you about BJS releases, please follow the instructions provided at <http://www.ojp. usdoj.gov/bjs/juststats.htm>. The Bureau of Justice Statistics is the statistical agency of the U.S. Department of Justice. Lawrence A. Greenfeld is acting director.

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