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U.S. Department of Justice
Office of Justice Programs
National Institute of Justice



Drug Use Forecasting

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U.S. Department of Justice National Institute of Justice

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ANNUAL REPORT

A Program of the National Institute of Justice — Cofunded by the Bureau of Justice Assistance

Drug Use Forecasting 1991 Annual Report

IJ's Drug Use Forecasting (DUF)
Program, now in its fifth year,
continues to serve as both a
practical and effective measure of arrestee
drug use and as a model for replicative
programs across the Nation.

As this annual report illustrates, drug use among booked arrestees in many of our Nation's major cities remains high. In San Diego, for example, 75 percent of male arrestees participating in the DUF program tested positive for a drug; in Cleveland, 79 percent of the female arrestees tested positive for a drug. In fact, in 20 of the 24 DUF sites, 50 percent or more of all male and female booked arrestees tested positive for a drug.

There is some encouraging news, however. Marijuana use has declined in all sites. And, after peaking in 1988 and 1989, cocaine use by arrestees has continued to show a decline, though it has been slight. In Philadelphia, for example, cocaine use by tested female arrestees declined from a high of 70 percent in 1989 to 64 percent in 1991.

NIJ's DUF program continues to refine its procedures. A new computerized interviewing system is being tested. And, in order to understand more fully the use of opiates among arrestees, DUF interviewers have begun to ask specific questions about heroin use by arrestees. Findings will be reported in future DUF publications.

Initial indications in 1992 were that cocaine remains the drug of choice among arrestees participating in the DUF program. We hope that the new information gleaned on heroin use will add to the body of knowledge already gained through the DUF program on arrestee drug use in major American cities.

National Institute of Justice

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Drug Use Forecasting Methodology

DUF data are collected in booking facilities throughout the United States. For approximately 14 consecutive evenings each quarter, trained local staff obtain voluntary and anonymous urine specimens. and interviews from a new sample » of booked arrestees.1 In each site, approximately 225 males are sampled. In some sites, female arrestees and juvenile arrestees/ detainees are also sampled. Response rates are consistently high, with more than 90 percent of the arrestees approached agreeing to be interviewed. Approximately 80 percent of those interviewed provide urine specimens.

To obtain samples with sufficient distribution of arrest charges, DUF interviewers, where possible, limit the number of male booked arrestees who are charged with the sale or possession of drugs. Because such persons are likely to be using drugs at arrest and are undersampled, DUF statistics frequently are minimum estimates of drug use in the male arrestee's population. With the exception of Omaha, males charged with driving offenses generally are excluded from the sample due to DUF's emphasis on more serious crimes. (In Omaha, all male arrestees brought to the booking facility are included in the DUF sample to obtain a sample of sufficient size.) Because they are fewer in number. all adult female arrestees and all iuvenile arrestees/detainees brought to the booking center or detention facility during the data collection period are included in the DUF sample, regardless of charge.

Twelve of the DUF sites collect data from male juvenile arrestees/

detainees. In each of the juvenile facilities, with the exception of Birmingham, Denver, Indianapolis, only those youngsters who are detained by the criminal justice system are available for interviewing. Arrestees who are released to their parents or released for other reasons are not included in the DUF juvenile sample. In Birmingham, Denver, and Indianapolis, however, all juvenile arrestees are available for interviewing. For juveniles in each of the sites, excluding Washington, D.C. and St. Louis, the catchment area encompasses the county. In Washington, D.C., youngsters arrested and detaine in the District of Columbia are included in the sample, and in St. Louis only male juveniles arrested and detained in the city of St. Louis are included.

All urine specimens are sent to a central laboratory for analysis. The specimens are analyzed by EMIT™ for 10 drugs: cocaine, opiates, marijuana, PCP, methadone, benzodiazepines, methaqualone, propoxyphene, barbiturates, and amphetamines. All positive results for amphetamines are confirmed by gas chromatography to eliminate positives that may be caused by over-the-counter drugs. For most drugs, the urine test can detect use in the previous 2 to 3 days, Exceptions are marijuana and PCP, which can sometimes be detected several weeks after use.

The National Nastitute of Justice Assistance, Bureau of Justice Programs, which also includes the Bureau of Justice Assistance, Bureau of Justice Statistics, Office of Juvenile Justice and Delinquency Prevention, and the Office for Victims of Crime.

The DUF sample is based on arrestees brought into the booking facility. Arrestees released before booking are not part of the DUF sample.

Drug Use Forecasting 1991 Annual Report

by Joyce Ann O'Neil, Director of the Drug Use Forecasting Program of the National Institute of Justice

In 1987 the National Institute of Justice implemented the Drug Use Forecasting (DUF) Program in Manhattan. By 1991 the DUF program had been implemented in 24 sites. The DUF program helps local governments and law enforcement agencies develop programs to combat drug abuse and establish or expand drug treatment programs. The DUF program helps these governments and agencies by identifying drug use levels among arrestees, determining what drugs are used in specific jurisdictions, and tracking changes in drug use patterns.

1991 Results

In 1991, 24 sites collected data from male booked arrestees, and 21 of the sites collected data from female booked arrestees. (Chicago, Miami, and Omaha do not collect data from female arrestees.) Additionally, 12 sites collected data from male juvenile arrestees/detainees (see page 15). Results from data collected each quarter were aggregated for each site (see DUF Sample Sizes chart).

Overall Drug Use

The percent of male booked arrestees testing positive for any drug ranged from 36 percent in Omaha to 75 percent in San Diego. The percent of female booked arrestees testing positive for any drug ranged from 45 percent in San Antonio to 79 percent in Cleveland. In 20 sites, more than half of the male and female booked arrestees tested positive for a drug at arrest.

Multiple Drugs. Male and female arrestees in San Diego were most likely to test positive for more than one drug (37 percent and 36 percent, respectively). Other sites that had high multiple drug use were Chicago, 35 percent for males; Los Angeles, 27 percent for females; Manhattan, 26 percent for males and 33 percent for females; Philadelphia, 28 percent for males; and

Portland, 30 percent for females. For the remaining sites, less than 26 percent of the arrestees tested positive for more than one drug.

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Marijuana. Male arrestees testing positive for marijuana ranged from 11 percent in Washington, D.C. to 33 percent in Portland and San Diego. Female arrestees testing positive for marijuana ranged from 4 percent in Detroit to 28 percent in Portland.

Cocaine. As in 1988, 1989, and 1990, cocaine remained the prevalent drug among most arrestees. The percent of male arrestees testing positive for cocaine ranged from 14 percent in Omaha to 62 percent in Manhattan and Philadelphia. The percent of female arrestees testing positive for cocaine ranged from 25 percent in San Antonio to 76 percent in Cleveland.

Opiates (Heroin). Male booked arrestees testing positive for opiates ranged from 1 percent in Ft. Lauderdale and Kansas City to 21 percent in Chicago. Female arrestees testing positive for opiates ranged from 2 percent in Denver to 21 percent in Manhattan, San Antonio, and San Diego.

Other Drugs. The remaining seven drugs (PCP, amphetamines, methadone, methaqualone, benzodiazepines, barbiturates, and propoxyphene) were less likely to be detected than marijuana and cocaine. The following summarizes the use of these drugs. (Data are not presented in tables.)

Amphetamines continued to be used primarily by arrestees in western sites (for example, Los Angeles, Phoenix, Portland, San Diego, and San Jose). Less than 3 percent of the male and female arrestees in the remaining sites tested positive for amphetamines. In San Diego, amphetamine positives for arrestees remained the highest, with 18 percent of males testing positive and 26 percent of females testing positive.

Less than 9 percent of male and female arrestees tested positive for PCP. Benzodiazepine (for example, Valium) positives ranged from 1 to 13 percent for

DUF Sample	Siz	es	
		_	984
Site	Nale of	12/00/00/00/00/00/00/00/00/00/00/00/00/00	
Atlanta	1134	595	'
Birmingham	812	384	375
Chicago	863		
Cleveland	821	295	339
Dallas	930	408	
Denver	926	405	102
Detroit	858	361	_
Ft. Lauderdale	888	396	
Houston	961	424	_
Indianapolis	918	289	419
Kansas City	892	353	126
Los Angeles	1339	631	513
Manhattan	997	393	_
Miami	681		_
New Orleans	964	349	
Omaha	892		
Philadelphia	1124	444	· <u>- ·</u>
Phoenix	1008	586	
Portland	857	270	272
St. Louis	934	360	372
San Antonio	700	244	155
San Diego	924	390	366
San Jose	957	407	347
Wash., D.C.	955	346	374

Source: National Institute of Justice/ Drug Use Forecasting Program

Note: January through December 1991.

Drug Use Forecasting 1991 Annual Report

male arrestees and 3 to 16 percent for female arrestees. Benzodiazepine positives were highest for males and females in Philadelphia. The use of benzodiazepines by arrestees does not necessarily indicate illicit use.

Methadone positives were highest for Manhattan arrestees, with 6 percent of males testing positive and 13 percent of females testing positive. For arrestees in the remaining sites, less than 6 percent tested positive for methadone.

Less than 3 percent of arrestees tested positive for propoxyphene (for example, Darvon). Methaqualone use was found in less than 1 percent of male and female arrestees. Less than 4 percent of arrestees tested positive for barbiturates.

Relationship Between Drug Use and Charge at Arrest

An analysis of drug use by male and female arrestees for various charge categories (see page 21) revealed that the charge most associated with drug use by males was drug sale/possession (79 percent positive). For females, the charge most associated with drug use was prostitution (85 percent positive). However, more than 50 percent of the male and female arrestees charged with any offense, other than sex offenses and traffic offenses, also tested positive. Clearly, most arrestees in the DUF sample recently used drugs, regardless of the charge that brought them into the criminal justice system.

Demographics

The age and race of male and female arrestees are presented on pages 10 and 11. Also, the distribution of charges for males and females is on pages 12 and 13.

Drug Use Trends

Pages 17 through 20 present trend data for each of the DUF sites. In most DUF sites, positives for any drug among arrestees fluctuated but remained high. Results for specific drugs revealed different trends. For example, marijuana use declined in most DUF sites (see *Drug Use Forecasting Fourth Quarter 1991*). Preliminary results from 1992, however, showed a slight increase in the percent of arrestees testing positive for marijuana. These levels, however, were still below 1988 and 1989 levels.

Cocaine use peaked in 1988 and 1989 for most DUF sites (see Drug Use Forecasting Third Quarter 1991), but there has been only a slight decrease in use since then. For example, in Philadelphia in 1991, 64 percent of female arrestees tested positive for cocaine, which was only 6 percent below the highest recorded use of cocaine found in 1989 (70 percent). Like their female counterparts, male arrestees showed little change in cocaine use since 1988. Preliminary findings from 1992 showed that cocaine remained the prevalent drug among arrestees. Like cocaine use, opiate use either remained stable or decreased slightly in most DUF sites (see Drug Use Forecasting Second Quarter 1991). To better understand the use of opiates among arrestees, the DUF program has begun to ask specific questions about heroin use, such as the smoking or snorting of the drug. Findings will be reported in future DUF publications.

DUF in 1992

The DUF Advisory Board (see DUF Research Advisory Board box for names of members) continues to provide expertise to the project and quide the research agenda. At a recent Board meeting, members were briefed about recent DUF developments, including findings from pilot work on the DUF computerized interview. The computerized interview, piloted in three sites, had encouraging results. For example, agreement rates for giving an interview and providing a specimen were equivalent to agreement rates for paper interviews. Board members endorsed the computerized interview, and work continues on its implementation. NIJ's goal is to begin the transition to computerized interviewing during 1993.

Another important presentation at the Board meeting was the findings of an indepth analysis of the DUF sampling plan. The study included a survey on sampling procedures in 22 DUF sites; field work in 3 sites; an analysis of DUF, Uniform Crime Report (UCR), and booking center data; and calculations of drug estimates based on varying sampling schemes. Results indicated that the DUF findings are quite robust. All of the schemes for adjusting the statistics made very little difference in the estimated percent testing positive for drug use. Future DUF publications will present more information on the computerized interview and the analysis of the DUF sample.

A recent NIJ award to the San Diego Association of Governments (SANDAG) will bring DUF results to the Weed and Seed initiative. Specific DUF analyses will be conducted to assess the geographical distribution of drug use both in terms of arrest location and arrestee residence. This information will be valuable to the Weed and Seed effort because it will serve as a means to assess the extent and nature of drug use in specific neighborhoods and will also serve as a barometer for measuring the success of drug reduction efforts. Additionally, the results of this effort may provide valuable information on shaping treatment services to meet the needs of the drug-abusing criminal offender.

DUF Research Advisory Board:

Zili Amsel
M. Douglas Anglin
Robert Battjes
Alfred Blumstein
William Butynski
Jay Carver
Jan M. Chaiken
Richard Clayton
Robert DuPont
Nicholas J. Kozel
Carl Leukefeld
Mark H. Moore
David Musto
David L. Westrate
Eric D. Wish

Any Drug Use by Male and Female Booked Arrestees

			%	Posit	ive b	y Age		% P		by Race
	% Positive Any Drug	1					, J.B. 10	Willie	i Agi	on of the second
Site	0 20 40 60 80 100	/ %	/ v 1	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	(16)	/ % /	1 25	12	1 27	0/
Atlanta	63	31 40	63 67	74 85	77 79	60 61	65 71	48 66	**	**
Birmingham	63	42 40	64 54	67 62	75 73	60 63	66 63	55 60	**	**
Chicago	7//////////////////////////////////////	62	73	78	84	84	75	72	72	**
Cleveland	7//////////////////////////////////////	43 58	52 74	66 86	62 85	59 82	61 81	41 73	44 **	**
Dallas	7//////// 56 56	34 39	53 43	71 65	66 65	61 64	59 58	55 55	45 46	**
Denver	50	40 40	52 36	56 63	59 69	44 45	61 68	41 45	49 50	25
Detroit	7//////////////////////////////////////	38	51	64	64	61	56	49	**	**
Ft. Lauderdale	68	29 48	69 61	70 67	73 71	72 54	66 71	76 53	41	**
	64	47 47	56 66	71 72	76 75	57 61	66 77	61 59	41	**
Houston	59	30 36	59 44	68 52	67 51	60 42	65 45	60 44	38	**
Indianapolis	54	44	44	61	57	60	57	51	**	**
Kansas City	53 64	36 27	54 70	69 77	62 65	49 51	56 67	41 53	**	**
Los Angeles	7//////// 62	43 42	55 64	70 81	68 84	66 76	77 80	65 76	51 63	20
Manhattan	777777777777777777777777777777777777777	50 52	75 74	78 81	83 91	73 72	77 75	74 82	68 77	**
Miami	///////////////////////////////////////	50	66	69	80	71	76	57	56	**
New Orleans	7//////////////////////////////////////	43 15	53 44	65 62	73 68	66 51	60 49	51 62	**	**
Omaha	50	42	36	36	37	30	44	32	31	18
Philadelphia	7//////////////////////////////////////	60 58	73 75	82 79	86 85	66 67	75 76	65 67	76 78	**
Phoenix	7//////// 42	39	42	41	49	40	53	43	37	19
Portland	61	53 48	57 60	68 62	69 72	51 58	81 66	59 58	53 73	44
St. Louis	68	46 49	61 56	63 73	85 70	74 51	73 60	69 54	**	**
San Antonio	54 	39 35	48 56	67 60	54 53	58 45	54 55	54 48	48	**
	45	17 61	47 78	64 79	42 80	59 71	51 79	49 74	42 75	58
San Diego	73	55	63	78	84	70	84	72	69	52
San Jose	52	38 36	61 49	61 58	67 56	56 50	72 69	59 50	56 48	37 **
Washington, D.C.	//////////////////////////////////////	28 33	50 62	73 85	78 83	65 77	60 75	49 72	**	**

Source: National Institute of Justice/Drug Use Forecasting Program

Note: Positive by urinalysis, January through December 1991. Drugs tested for include cocaine, opiates, PCP, marijuana, amphetamines, methadone, methaqualone, benzodiazepines, barbiturates, and propoxyphene.

** Less than 20 cases.

Males Females

Multiple Drug Use by Male and Female Booked Arrestees

			_	%	Posit	ive by	/ Age		% P		by Race
	% Positive Multiple Drugs		· / &	1		18		/ /;	ر پير ا		
Site	0 20 40 60 80 1	00	\$ S			3,13,	/&/	/ / / / / / / / / / / / / / / / / / /	N. William	/ ½×	is discourse of the second of
Atlanta	10		10 5	14 12	13 12	7 14	10 9	11 10	11 15	**	**
Birmingham	15 17		13 11	19 11	15 16	16 23	13 20	13 12	23 26	**	**
Chicago	7/////// 35		29	38	36	38	38	36	30	34	**
Cleveland	12 15		10 15	12 11	11 12	11 21	13 20	12 13	12 24	9	**
Dallas	14		8 16	13 8	13 15	14 27	22 16	14 16	18 16	10 12	** **
Denver	11 15		9	10 18	10 11	17 26	9 13	11 15	11 18	12 14	3
Detroit	16 14		9 7	14 10	14 13	20 16	21 18	15 12	21 20	**	**
Ft. Lauderdale	17 15		17 14	23 17	18 17	11 18	14 9	19 12	15 17	24	**
Houston	16 16	:	15 4	12 7	16 19	18 24	18 28	16 16	18 23	12 6	**
Indianapolis	11 19		8 14	11 12	14 23	11 20	9 25	10 19	12 18	**	**
Kansas City	11 18		8 3	13 18	12 25	13 18	8 14	12 16	6 21	**	**
Los Angeles	27		17 14	18 15	21 23	20 39	25 34	19 24	27 32	21 25	0
Manhattan	26 33		10 5	26 29	24 33	32 41	31 43	23 23	34 50	28 46	**
Miami	///// 20		28	30	16	18	12	24	17	14	**
New Orleans	7/// 16 14		15 0	14 5	15 18	21 29	17 14	17 12	14 24	**	**
Omaha	7 7		9	4	7	7	7	9	6	2	0
Philadelphia	/////// 28 23		29 14	28 25	28 24	26 24	27 23	25 20	36 36	39 30	**
Phoenix	12 24		7 21	10 18	11 26	18 27	13 27	11 15	14 26	7 27	8
Portland	7/// 19 30		10 14	18 27	16 31	26 38	20 33	18 18	18 36	30	9
St. Louis	16 12		13 4	18 12	15 13	16 15	19 18	16 10	19 21	**	**
San Antonio	21 23		14 4	20 16	24 31	25 20	22 49	17 22	15 26	23 22	**
San Diego	7/////// 37 36	-	34 10	34 27	40 39	42 44	34 38	32 29	33 40	44 36	8 19
San Jose	22 18		10 9	18 21	23 20	31 20	25 16	20 19	26 20	22 18	3
Washington, D.C.	//// 16 22		5 5	9	18 22	19 22	28 38	16 20	26 33	**	**

Source: National Institute of Justice/Drug Use Forecasting Program

Note: Positive by urinalysis, January through December 1991. Drugs tested for include cocaine, opiates, PCP, marijuana, amphetamines, methadone, methaqualone, benzodiazepìnes, barbiturates, and propoxyphene.

** Less than 20 cases.

///// Males Females

Marijuana Use by Male and Female Booked Arrestees

				%	Posit	ive by	Age	: Herening	% P	ositiv	by Race
	% Positive Marijuana		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/5	, / _®	/જુ	/ /	/ - /	/ / /*	i ki	
Bite	0 20 40 60 80 1	00	3,			3,75	/ & /	à	To The state of th		
Atlanta	12 8		18 8	20 9	17 9	7 8	8 5	12 8		**	**
Birmingham	16	-	20 9	26 12	12 9	14 8	8 10	13 10		**	**
Chicago	////// 23		28	30	22	16	10	23	20	30	**
Cleveland	12		14 15	16 11	12 5	9 4	6 4	10		15	**
Dallas	19		22 12	22 10	22 11	16 20	14 0	18 12		20 9	**
Denver	25		27 22	31 22	24 14	29 20	18 7	22 15		31 19	14
Detroit	18		31 4	29 3	17 4	11 5	5 1	19		**	**
Ft. Lauderdale	7///// 28		37 17	41 22	29 19	22 7	16 7	29 12		26	**
Houston	17		24 2	19 6	17 9	15 12	11 12	16		18 8	**
Indianapolis	23		27 28	30 28	30 21	22 23	9 12	18 18	29	**	**
Kansas City	7/// 18		23 15	25 19	22 14	14 11	10	17	20	**	**
Los Angeles	/		25 12	26 14	21 12	13	11	17	28	17 4	10
Manhattan	9		34	25 17	17 12	12	8	17	17	19 12	**
Miami	11		20 39	35	20	8 15	<u>4</u> 8	10 26		17	**
	/////) 23 ///// 16	_	18	16	15	16	12	16		**	**
New Orleans	7		0	6	8	10	9	. 6		**	**
Omaha	////// 26		36	26	22	21	20	27	25	24	15
Philadelphia	18		26 25	25 23	22 10	10 12	6 6	17 14		19 24	**
Phoenix	7////) 22 14		28 9	26 15	20 17	20 12	16 8	16		22 15	12
Portland	/////// 33 28		34 18	43 37	35 26	31 32	21 18	27 18		19	28
St. Louis	16		21 7	20 7	15 11	12 8	8	12	36	**	**
San Antonio	20		22 4	27 16	28 19	18	7 4	22	26	18 6	**
San Diego	33		41 21	41 19	32 29	31 13	22 17	29 20	35	36 9	12 10
San Jose	////// 25 13		26 18	29 14	28 15	25 13	18 8	32 19	32	21 8	11
Washington, D.C.	11 6		16 5	16 12	12 6	4 7	6 2	11	18	**	**

Source: National Institute of Justice/Drug Use Forecasting Program

Note: Positive by urinalysis, January through December 1991. ** Less than 20 cases.



Cocaine Use by Male and Female Booked Arrestees

			%	Posit	% Positive by Race					
	% Positive Cocaine	45			2 / 25 / S		/ /{	ي. / _ځ	Hiso,	ju / 5 /
ite	0 20 40 60 80 100	1 %	\ _{\$} \	\ \&\	\ \dots	/ kg* /		Num.	\\ \\\ \\\\ \\\\\\ \\\\\\\\\\\\\\\\\\\	
Atlanta	7/////////////////////////////////////	23 35	54 64	68 83	74 77	56 56	59 68	33 59	**	**
Birmingham	7///////////////////////////52	26 26	48 36	59 50	66 52	53 41	59 53	27 30	**	**
Chicago	///////////////////////////////////////	46	58	65	75	76	63	60	53	**
Cleveland	7//////// 48	35 50	41 70	59 84	55 83	52 76	56 78	21 67	38	**
Dallas	//////////////////////////////////////	18 28	40 35	57 53	55 48	51 58	50 51	35 37	30 39	**
Denver	30 41	22 24	29 33	37 54	38 55	23 32	47 60	16 32	25 34	3
Detroit	7////// 41	14 25	34 63	58 67	53 66	50 65	41 61	40 67	**	**
t. Lauderdale	7/////// 44	26 33	40 49	50 62	54 69	45 47	58 63	32 48	26	**
Houston	7/////////56 52	34 28	54 53	65 61	71 58	56 44	70 59	49 51	29 25	**
ndianapolis	22 26	12	19 18	24 31	28 34	25 30	30 40	10	**	**
Kansas City	7////// 37	14 15	32 62	44 70	53 56	38 46	43 62	16 42	**	**
os Angeles	36 //////// 44 62	25 38	33 48	49 69	55 72	52 63	63 73	27 55	38 49	10
Manhattan	(//////////////////////////////////////	25 28	63 62	70 73	78 83	64 61	68 64	59 69	54 68	**
Miami	66 ///////////////////////////////////	38	57	63	77	66	70	44	50	**
lew Orleans	///////// 50 42	36 12	44 36	59 55	63 61	56 37	54 43	28 38	**	**
Omaha	7// 14	13	13	16	18	10	23	6	10	0
hiladelphia	62	45 38	61 63	69 71	77 76	56 56	66 68	41 40	68	**
hoenix	20 45	12 42	19 42	20 49	29 48	20 40	41 72	17 39	15 38	8
Portland	30 40	18 32	26 33	28 41	41 42	33 49	46 54	18 35	64	19 **
St. Louis	48 47	37 34	42 44	62 62	62 47	45 44	53 50	26 38	**	**
San Antonio	7////// 31 25	21 9	35 29	37 33	31 22	30 33	45 43	18 19	30 23	**
San Diego	45	39	49 32	46 45	50 49	38 37	59 72	22 28	54 39	31 29
San Jose	33 30	17 18	33 31	33 39	40 29	35 26	54 63	25 20	33 25	19
Vashington, D.C.	7//////// 49	15 33	36 47	64 81	72 82	59 70	51 70	26 59	**	**

Source: National Institute of Justice/Drug Use Forecasting Program

Note: Positive by urinalysis, January through December 1991.

** Less than 20 cases.

///// Males Females

Opiate (Heroin) Use by Male and Female Booked Arrestees

			•	%	Posit	ive by	/ Age	,	% P		by Race
	% Positive Opia	te	15 C)	} / <u>{</u>	Hisosi General Park	
Site	0 20 40 60	80 100	14	\ \dolday\	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	/ m/	/ &* /	1 250	T Jilly	\ \tilde{	Tour of the second seco
Atlanta	2 3 1 4		0 2	2 3	1 3	3 5	6 7	3	4 8	**	**
Birmingham	5 11		3 6	5 8	3 10	5 16	7 11	2 5	13 21	**	**
Chicago	7//// 21		14	18	23	25	31	23	16	11	**
Cleveland	7 3 6		0 4	2 4	* 2	3 9	9 14	3 6	2 11	0	**
Dallas	2 4 1 9		* 7	2 2	2	5 18	12 12	4 8	6 10	3 3	**
Denver) 2 2		0	1	1 0	2	3 4	1	2	3	0
Detroit	8		1 7	2	2 11	15 13	19 13	. 8 8	12 20	## ##	**
Ft. Lauderdale	1 4	nga garan pipinindapakan daran Madakan 1970 bi daran di baran di baran di baran gangan pengangan pengangan pen :	•	1 3	2	2	3	1 3	2	3	**
Houston	23		1 2	3	4 5	2 5	6 8	3 4	4 5	4	**
Indianapolis	3 3 11	1 million - 1 million 1 million - 1 millio	1 6	8	2	4 7	6 16	4	2 12	**	**
Kansas City	1 4		0	1	1 5	2	2 5	1	2	**	**
Los Angeles	10		2 5	7 10	7 13	12 30	17 21	10 10	11	9 27	0
Manhattan	14	annun in men men men men men men men men men me	2 2	12 20	10 22	19 21	21 31	12 15	20	16 29	**
Miami	2		0	2	1	3	6	2	7	1	**
New Orleans	4	:	2	2 4	2	9 18	8 8	4 6	4 11	**	**
Omaha	2		2	*	1	*	3	1	2	0	0
Philadelphia	777 11 9		8 2	8 7	7 11	14 8	18 12	8 5	15 26	22 22	**
Phoenix	5 17		2 23	1 11	7 17	10 24	6 17	4 9	6 18	4 23	8
Portland	9 17		5 9	4 10	6 19	15 21	16 22	9 12	8 20	19	3
St. Louis	Ø 6 7		2 2	4 2	5 9	7 6	14 18	6 6	5 9	**	**
San Antonio	16 21	:	8 6	10 14	19 24	20 18	23 45	2 19	9 18	21 22	**
San Diego	17 21		8 3	12 23	23 14	20 28	21 27	11 14	12 20	25 36	0
San Jose	8 7	:	* 6	2	6 8	14 7	15 10	5 6	8 9	8 6	3 **
Washington, D.C.	10		2	2	9 13	14 15	24 31	10 15	22 23	**	** .

Source: National Institute of Justice/Drug Use Forecasting Program

Note: Positive by urinalysis, January through December 1991.
* Less than 1%.

Males

^{**} Less than 20 cases.

Age and Race of Male Booked Arrestees

			Age (In	Percent)			Ra	ce (In Per	cent)
Site	200	\$ 1.5°	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	37.68	,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	While	Hispanic	
Atlanta	13	16	20	20	31	92	8	*	*
Birmingham	14	26	21	17	21	78	22	0	0
Chicago	25	26	20	14	14	78	10	11	*
Cleveland	18	25	18	17	21	74	20	4	2
Dallas	22	21	19	17	20	63	22	13	1
Denver	14	22	18	21	25	37	25	35	4
Detroit	20	22	17	16	25	91	7	2	*
Ft. Lauderdale	14	22	20	19	25	46	49	4	*
Houston	16	24	21	17	22	57	18	24	*
Indianapolis	15	25	18	16	26	58	41	*	*
Kansas City	16	20	20	20	24	77	22	1	*
Los Angeles	13	24	22	16	25	34	17	47	2
Manhattan	15	20	21	18	26	54	11	33	1
Miami	16	19	24	16	24	60	12	28	0
New Orleans	24	22	20	16	19	87	11	1	*
Omaha	22	24	19	15	20	44	47	5	4
Philadelphia	18	23	22	19	19	74	15	10	*
Phoenix	11	29	24	18	18	17	53	27	3
Portland	9	26	22	16	27	28	60	8	4
St. Louis	22	24	19	16	19	84	16	0	*
San Antonio	22	18	20	15	23	16	17	67	1
San Diego	12	27	24	18	20	23	30	44	3
San Jose	13	28	21	16	22	14	31	49	6
Washington, D.C.	19	22	21	18	20	92	5	2	* ** ** ** ** ** ** ** ** ** ** ** ** *
The state of the s	and the same of th	Committee and a service of the committee	and the same of th		As any orange to produce the state to produce the	CONTRACTOR OF THE PARTY OF THE	and the second second		

Source: National Institute of Justice/Drug Use Forecasting Program

Note: January through December 1991.
* Less than 1%.

Age and Race of Female Booked Arrestees

			Age (In	Percent)			Rad	ce (in Perc	ent)	
Site	25.	1. S.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	, s, t	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Willie	Hispanic	Toulo	
Atlanta	. 10	24	26	18	22	80	20		0	
Birmingham	9	21	25	26	18	61	38	*	*	
Cleveland	9	27	27	18	19	81	16	4	0	
Dallas	14	27	23	20	16	56	36	8	*	
Denver	12	23	28	16	20	37	32	26	4	Abrilanta dip ka jiya bagamaniyay a vag
Detroit	. 8	17	28	26	22	79	20	†	0	TITLE STATE OF THE
Ft. Lauderdale	9	20	26	21	24	43	55	1	+	
Houston	12	24	26	20	17	58	26	15	0	
Indianapolis	12	25	24	15	23	49	51	0	0	
Kansas City	9	27	27	19	18	71	29	0	*	1
Los Angeles	7	20	26	22	24	43	33	22	2	
Manhattan	10	22	24	22	21	58	16	26	*	The state of the s
New Orleans	12	23	22	18	25	85	13	2	0	
Philadelphia	12	23	26 ^	19	20	79	12	8	0	
Phoenix	9	27	34	16	14	22	56	20	3	M. Andrewson, magazinet
Portland	8	26	25	20	20	30	63	3	4	Wasterstein State Communication of the con-
St. Lcuis	16	26	22	22	14	77	23	0	*	
San Antonio	22	24	17	16	21	16	24	59	*	
San Diego	8	19	26	23	24	24	53	18	5	Warren or Hills I and a description of a second
San Jose	8	22	25	17	27	21	40	36	4	Andrews of the State of the Sta
Washington, D.C.	6	22	29	17	25	89	11	0	0	e de maio e maio (e e e emperga.
Control of the Contro		*****					eri dentigi protesti den regi protesti de ep		The same desirable and pro-	

Source: National Institute of Justice/Drug Use Forecasting Program

Note: January through December 1991.
* Less than 1%.

Distribution of Charges in Male Arrestees

	Assault (Burgo		/ 5 /	/ ,	1.	7	7	7	$\overline{}$	7	7			7	7	7	7	7 7
	**************************************		A / §	/ ئ		/ & .	/ ,	/ 🙏 /	/ .	/~/	8	/	<u> </u>	/ /	/	/ /	/ .v. /	/ ,0 /	
	Assault (_ / ~	2 / 8	<u>}</u>	A Chemical Andreas	to /	Homoir Coor	Anstructure (Pobellong Violellong	# 45 MSOU	.g /	100 Per 100 Pe		, si /	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ratio Comice	\$6° /	2///
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Site		/ 8	100		140	TES.	1/ 42	12°28	*	10,70	/ 02	1 2 4	, 6 ₆ , 1	/ & (18 / 18 / 18 / 18 / 18 / 18 / 18 / 18 /	/ & (/ ~ ^{¿o} (/ Zz	/ O /
Atlanta	22	9	1	17	*	*	3	*.	20	*	1	11	5	3	*	3	•	3	2
Birmingham	5	10	*	21		- 6	. 2	3	18	13	*	÷	5	2	6	2	*	4	*
Chicago	6	17	*	22		*	*	2	15	*	*	3	10	2	*	11	0	9	*
Cleveland	8	11	1	20	11	2	*	5	8	*	*	*	8	3	2	12	0	5	2
Dallas	14	14		14	0	*	- 4	*	. 17	*	*	9	7	2	0	7	0	8	1
Denver	13	6	1	14	20	*	2	*	8	*	*	18	3	2	*	4	0	2	5
Detroit	2	2	. *	28	0	6	3	6	1	16	1	8	10	. 8	2	3	1	2	1
Ft. Lauderdale	10	7	*	20	2	5	2	*	6	16	2	14	2	1	1	3	*	4	3
Houston	8	12	*	16	*	5	2	3	16	5	2	7	7	3		5	1 -	3	*
Indianapo!is	11	6	+	12	•	2	3	*	17	*	*	26	4	- 5	*	3	*	2	3
Kansas City	5	5	*	5	12	16	4	2	9	16	. * .	7	4	2	*	5	*	4	*
Los Angeles	11	15	*	7	11	2	3	3	8	2	*	1	10	3	5	10	1	3	4
Manhattan	14	11	*	9	0	. *	2	. 1	20	0	*	5	19	1	4	. *	*	3 .	9
Miami	16	22	. *	19	*	*	2	2	4	2	•	4	10	*	- 1 .	8	0	4	2
New Orleans	- 11.	11	1	11	*	7	3	4	14	2	*	2	7	4	7	4	0	9	2
On aha	6	5	• .	6	*	13	2	*	9	. 3	0	17	2	3	1	*	20	6	6
Philadelphia Philadelphia	16	12	*	11	*	4	. 1	2	14	*	*	2	14	3	*	12	0 .	4	3
Phoenix	22	13	3	14	4	*	3	1	15	*	*	4	6	2	. 3	5	*	2	1
Portland	. 15	6	*	19	4	5	2	*	10	12	*	5	5	3	*	4	*	2	3
St. Louis	22	10	8	18	*	1	2	1	13	2	3	3	6	2	1	1	0	6	2
San Antonio	11	5	*	15	3	1	1	*	25	1	*	16	3	3	*	2	*	6	5
San Diego	5	16	*	30	8	0	1	*	8	*	0		5	2	7	9	*	4	2
San Jose	8	8	*	20	12	1	3	*	13	7 -	*	2	2	5	3	3	0	3	4
Washington, D.C.	18	3	3	18	0	13	2	2	. 9	0	1	2	5	*	2	11	0	6	2

Source: National Institute of Justice/Drug Use Forecasting Program

Note: January through December 1991.

^A Drug sale and possession charges are undersampled, see page 2.
^B Includes trespassing, criminal mischief, and reckless endangerment. * Less than 1%.

Distribution of Charges in Female Arrestees

		/	7	7	7	7	7	7	7			7	7	<i>ブ</i>	7	7	7	7	7	7 /
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				ļ	<u> </u>	<u> </u>	1	<u> </u>		ــــــــــــــــــــــــــــــــــــــ			[[
Atlanta	12	*	1	20	•	*	2	*	14	*	14	22	. *	1	0	*	6	2	2	
Birmingham	4	- 1	0	16	*	6	8	1	33	7	. 1	12	2	0	4	*	1	1	1	
Cleveland	6	*	*	47	2	3	1	1	. 7	Ō	19	3	1	*	0	5	*	2	*	
Dallas	9	2	0	9	. * .	*.	15	1	21	5	12	2	2	*	0	1	16	1	1	
Denver	5	*	1	6	16	23	3	*	8	2	6	13	1 .	*	*	2	5	*	5	
Detroit	- 5	. 1	*	8	2	*	9	7	5	5	25	18	1	1	*	*	6	2	1	
Ft. Lauderdale	3	2	0	26	1	9	2	0	8	11	5	8	0	0	0	*.	16	*	4	
Houston	6	2	0	9	*	2	. 1	*	12	1	9	10	1	. *	*	*	38	*	5	
Indianapolis	2	2	0	11	1	2	10	0	17	*	13	22	. *	1	*	*	11	1	4	
Kansas City	4	. 1	*	8	5	16	8	*	16	10	13	3	*	*	1	1	8	2	*	
Los Angeles	7	7	1	14	4	2	7	* .	14	2	26	*	3	1	*	3	*	*	2	
Manhattan	9	3	*	34	0	*	1	*	20	0	13	5	7	*	2	*	*	1	3	
New Orleans	14	2	. 1	11	2	12	5	*	28	1	8	8	0	*	2	*	0	1	2	
Philadelphia	- 11	4	1	21	0	10	3	*	27	*	4	2	6	*	*	4	0	*	. 4	
Phoenix	11	7	3	16	3	10	6	*	21	2	20	4	2	1	3	1	0	*	*	
Portland	7	1	* *	-18	2	4	9	0	18	12	7	6	2	*	*	4	7	0	1	
St. Louis	16	1	2	6	*	2	4	+	13	3	14	14	2	0	*	*	15	1	3	
San Antonio	7	0	0	8	*	*	3	0	51	*	4	8	2	0	0		12	*	3	
San Diego	5	15	*	22	- 4	*	5	1	11	2	3	4	2	*.	2	2	8	2	3	
San Jose	4	4	1	14	5	2	8	*	17	3	2	4		*	1	*	26	•	1	
Washington, D.C.	17	1	3	29	0	14	3	* * .	7	0	19	1	2	•	*	1	0	1	*	
			— ———		<u> </u>				<u>-</u>			··············								

Source: National Institute of Justice/Drug Use Forecasting Program

Note: January through December 1991.

* Less than 1%.

A Includes trespassing, criminal mischief, and reckless endangerment.

Distribution of Charges in Male Juvenile Arrestees/Detainees

Charge	at	Arrest	(In	Percent)

				/	7	7	7 /	/	/ - /	7.	/% /		7	7 /	7 /	<u> </u>	7	7 7
			[5	6	ş /	Larcenucher Larcenucher		90te 100th 1				Solen Programme	§ /	s /	
			48.8m	M. Onlo	Table Of the Park		Mahus Session Mahus Session			200				Sates	10 to	No.	S. John S.	
Site			A.	1 80	100	/ 00	(QZ)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7 3	6.72	/ e a	/ & S	/ % 		\ 270	Z \	0	
Birmingham			5	7	*	10	* .	3.	14	8	8	6	3	5	19	9	2	-
Cleveland			9	11-	3	25	2	2	7	*	2	11	8	0	15	3	3	
Denver			2	12	0	3	19	1	3	18	2	4	0	. 5	10	4	19	
Indianapolis	-		11	8	*	1	5	1	19	3	21	2	4	4	12	3	4	
Kansas City			12	6	2	2	13	0	12	2	2	5	*	17	13	8	8 -	
Los Angeles			6	7	2	5	4	4	2	21	*	14	2	1	19	6	7	
Portland			17	13	3	9	0	3	2	*	2	10	4	16	12	5	2	
St. Louis			14	9	18	15	2	2	5	9	*	7	*	*	7_	8	2	
San Antonio			7	20	5	2	0	0	22	3	12	*	1	8	6	5	8	
San Diego		-	14	13	3	6	3	2	4	13	2	8	2	2	15	5	7	
San Jose			12	7	4	3	10	*	6	13	4	3	2	4	11	8	14	
Washington, D.C.			13	3	3	30	9	* .	2	*	4	5	1	*	18	6	5	-

Source: National Institute of Justice/Drug Use Forecasting Program

Note: January through December 1991.

^{*} Less than 1%.

A Includes trespassing, criminal mischief, and reckless endangerment.

Drug Use by Male Juvenile Arrestees/Detainees in 1991

Drug Use Among Male Juvenile Arrestees/ Detainees

In 1991 Denver became the 12th DUF site to collect data from male juvenile arrestees. Findings for male juvenile arrestees/ detainees from 1991 are presented below. (See Methodology, page 2, for a description of the juvenile samples.)

Overall Drug Use

The percent of male juvenile arrestees/ detainees testing positive for drugs at arrest ranged from 11 percent in Indianapolis and St. Louis to 36 percent in Denver. In 8 of the 12 DUF sites, marijuana was the prevalent drug among juveniles. In Cleveland, St. Louis, and Washington, D.C., juveniles tested positive more often for cocaine than any other drug. Birmingham male juveniles were as likely to test positive for marijuana (7 percent) as cocaine (8 percent).

Other Drug Use. The remaining eight drugs (opiates, PCP, amphetamines, methadone, methaqualone, benzodiazepines, barbiturates, and propoxyphene) were detected less often than marijuana and cocaine. The following summarizes the use of these drugs. (Data are not presented in tables.)

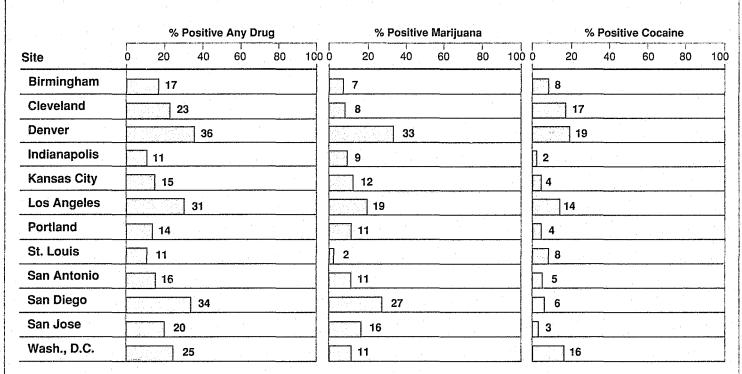
Amphetamine positives were highest in San Diego (7 percent); in the remaining sites, less than 3 percent of juveniles tested positive for the drug. Five percent of

juveniles in Los Angeles tested positive for PCP; in the remaining sites, 2 percent or less of the male juveniles were positive for PCP. Juveniles testing positive for benzodiazepines (for example, Valium) ranged from 0 to 3 percent. For the remaining drugs (propoxyphene, barbiturates, methaqualone, methadone, and opiates), 1 percent or less of juveniles tested positive.

Demographics

For most of the 12 DUF sites, juveniles were between 15 and 18 years old. However, St. Louis and San Antonio juveniles were younger, between 13 and 16 years old.

Drug Use by Male Juvenile Arrestees/Detainees



Source: National Institute of Justice/Drug Use Forecasting Program

Note: Positive by urinalysis, January through December 1991. Drugs tested for include cocaine, opiates, PCP, marijuana, amphetamines, methadone, methaqualone, benzodiazepines, barbiturates, and propoxyphene.

Drug Use by Male Juvenile Arrestees/Detainees in 1991

Black male juveniles comprised the majority of the juvenile sample in 6 of the 12 sites. Hispanic male juveniles were the majority of the sample in Denver, Los Angeles, San Antonio, San Diego, and San Jose. In Portland, black male juveniles comprised 45 percent of the sample, and white male juveniles comprised 48 percent of the sample.

Distribution of Charges

The distribution of charges for male juvenile arrestee/detainee samples (see page 14) varied considerably across sites. For example, most juveniles in Cleveland (25 percent) and Washington, D.C. (30 percent) were charged with drug sale/possession. In the remaining sites, 15 percent or less of male juveniles were arrested for drug

charges. In Kansas City, most juveniles (17 percent) were charged with status offenses.

The majority of male juveniles in seven of the DUF sites were arrested for a felony offense. Sixty percent or more of male juveniles in Denver, Kansas City, San Antonio, and San Jose faced misdemeanor charges. Indianapolis juveniles were equally likely to be charged with a misdemeanor offense (51 percent) as a felony offense (49 percent).

Relationship Between Drug Use and Charge at Arrest

An analysis of drug use by male juveniles revealed that the charge most associated with drug use was drug sale/possession (42 percent positive). This pattern also was seen for adult male arrestees (see Relationship Between Drug Use and Charge at Arrest, page 4). Other charge categories associated with high drug use were flight/bench warrant, 30 percent positive; probation/parole violation, 29 percent positive; weapons, 22 percent positive; and robbery and homicide, both at 21 percent positive. Drug use in all other charge categories was 20 percent or less, with the lowest category being sex offenses (5 percent positive). (Data are not presented in tables.)

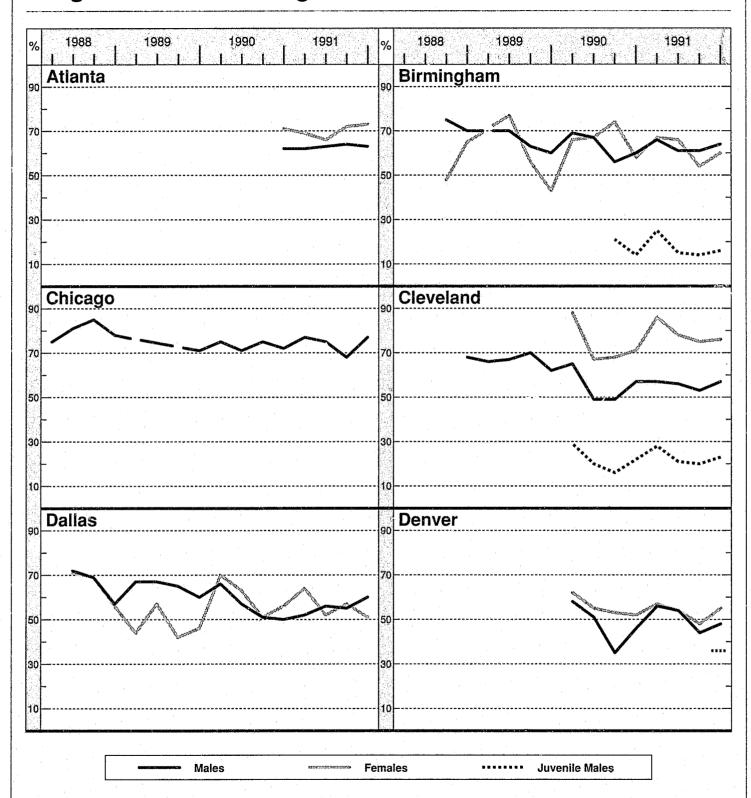
Age and Race of Male Juvenile Arrestees/Detainees

				Age (In F	Percent)				Ra	ice (in F	ercent)	
Site				7,87	2/1/2	7		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Wille	Hispan	\$ 100 mg		
Birmingham		3	3 15	42	41		-	79	21	*	*		-
Cleveland		1	14	40	44			76	20	4	*		
Denver		2	1 17	35	44			32	10	56	2		Anna Andrews
Indianapolis			24	40	28		1	59	39	2	*	-	parameter property and the second
Kansas City	T	C) 18	54	28		t of relief the single-perfections	75	21	3	2		
Los Angeles		3	12	38	48			29	12	55	4		
Portland			19	42	39			45	48	3	4		1
St. Louis			32	52	11			91	8	0	*		
San Antonio		C	26	56	18			24	10	66	*		wassen, specialistic designs of
San Diego	 	1	18	38	43			21	28	39	11		
San Jose		. 1	14	47	38			10	22	52	16	***************************************	The State of the State of Stat
Washington, D.C.		1	12	38	49	- minut VEN remain ray		98	*	1	0	T - THE REAL PROPERTY OF THE PARTY OF	

Source: National Institute of Justice/Drug Use Forecasting Program

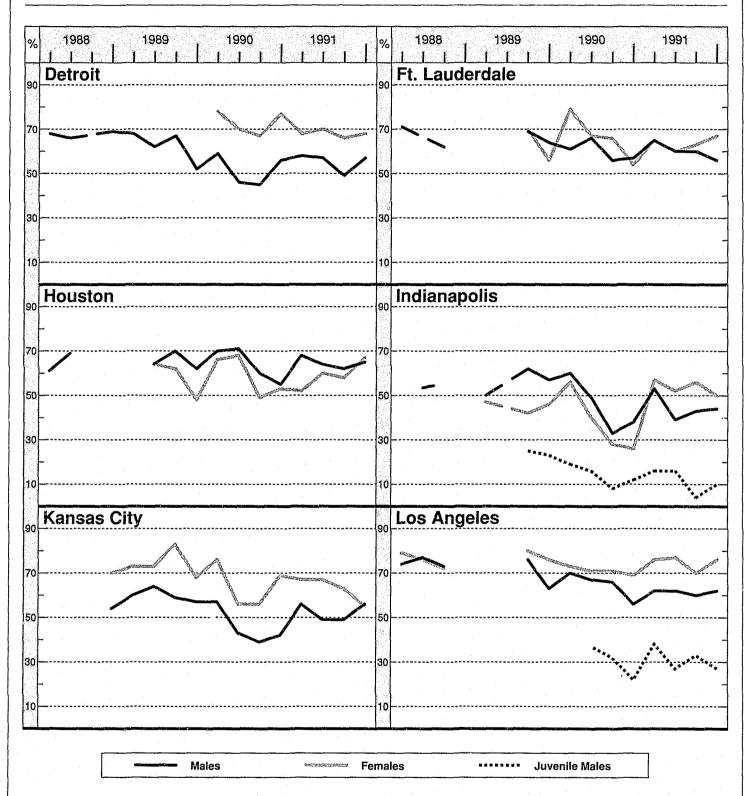
Note: January through December 1991.

* Less than 1%.



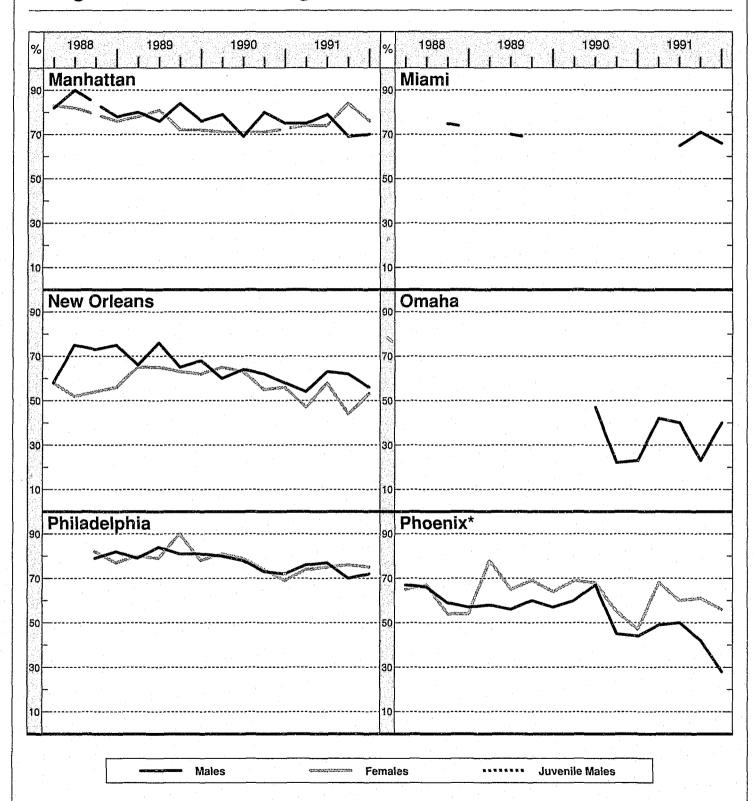
Source: National Institute of Justice/Drug Use Forecasting Program

Note: Positive by urinalysis. Drugs tested for include cocaine, opiates, PCP, marijuana, amphetamines, methadone, methaqualone, benzodiazepines, barbiturates, and propoxyphene. Gaps on graph represent periods when data were not collected.



Source: National Institute of Justice/Drug Use Forecasting Program

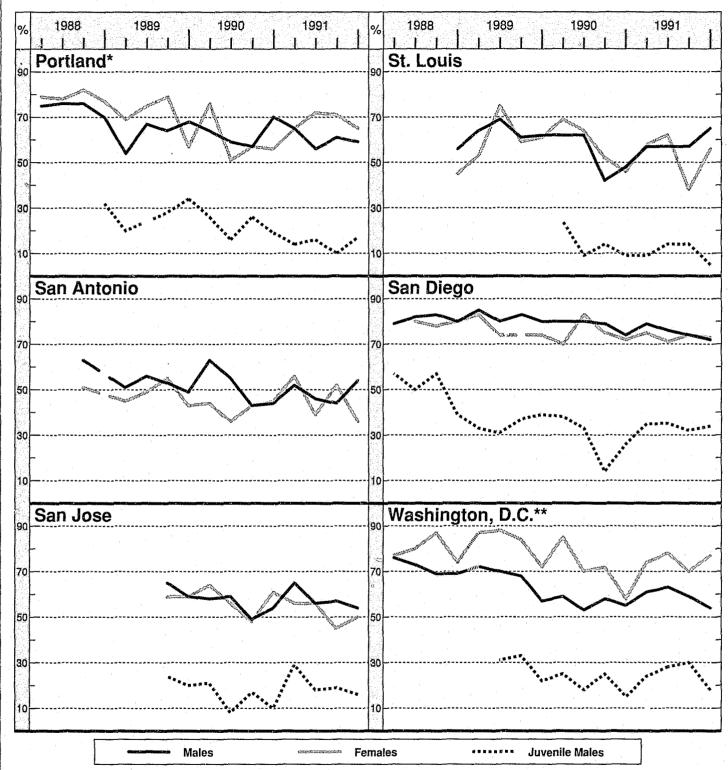
Note: Positive by urinalysis. Drugs tested for include cocaine, opiates, PCP, marijuana, amphetamines, methadone, methaqualone, benzodiazepines, barbiturates, and propoxyphene. Gaps on graph represent periods when data were not collected.



Source: National Institute of Justice/Drug Use Forecasting Program

Note: Positive by urinalysis. Drugs tested for include cocaine, opiates, PCP, marijuana, amphetamines, methadone, methaqualone, benzodiazepines, barbiturates, and propoxyphene. Gaps on graph represent periods when data were not collected.

* Prior to 1991, site did not test for all 10 drugs (listed above).



Source: National Institute of Justice/Drug Use Forecasting Program

Note: Positive by urinalysis. Drugs tested for include cocaine, opiates, PCP, marijuana, amphetamines, methadone, methaqualone, benzodiazepines, barbiturates, and propoxyphene. Gaps on graph represent periods when data were not collected.

* Prior to 1991, site did not test for all 10 drugs (listed above).

^{** 1988} Washington, D.C. data based on arrestees tested by D.C. Pretrial Services Agency. Drugs tested for by the agency include cocaine, opiates, PCP, amphetamines, and methadone. Data collected after 1988 are from the DUF program.

Drug Use by Charge at Arrest

			Females		
harge	N	% Positive for Any Drug	N	% Positive for Any Drug	
Assault	2667	48	669	50	
Burglary	2204	68	261	63	
Damage/Destruction of Property	` 260	45	77	57	
Drug Sale/Possession	3520	79	1389	79	
Family Offense	870	40	199	38	
Flight/Escape/Warrant	863	52	417	66	
Fraud/Forgery	522	56	452	51	
Homicide	381	48	60	65	
Larceny/Theft	2778	64	1421	58	
Probation/Parole Violation	889	61	259	60	
Prostitution	153	47	995	85	
Public Peace/Disturbance	1529	48	665	61	
Robbery	1519	65	161	76	
Sex Offense	599	37	54	68	
Stolen Vehicle	1208	59	117	68	
Stolen Property	475	58	86	74	
Traffic Offense	257	, 42	676	48	
Weapons	964	49	91	62	
Other	609	51	191	a 46	

Source: National Institute of Justice/Drug Use Forecasting Program

Note: Positive by urinalysis, January through December 1991. Drugs tested for include cocaine, opiates, PCP, marijuana, amphetamines, methadone, methaqualone, benzodiazepines, barbiturates, and propoxyphene.

Opiate Use Among Arrestees

Opiate use has been long associated with criminal activity. The DUF program provides an opportunity to measure opiate use among arrestees by obtaining quarterly urine samples. These specimens are tested for 10 drugs, including opiates. (See Methodology, page 2, for a listing of the 10 drugs.)

Trends in Opiate Use

Table 1 shows trends in opiate use for male arrestees from 1987 through 1991. Table 2 (page 23) shows trends in opiate use for female arrestees from 1988 through 1991. (Data for female arrestees were not available in 1987.)

As revealed in table 1, opiate use among male booked arrestees remained low and fairly stable since the late 1980's. Even in the sites recording the highest opiate use among males (Chicago, Manhattan, and San Diego), opiate use declined in 1990 and 1991. Female arrestees recorded the same low and stable levels of opiate use. For example, about 25 percent of Portland female arrestees tested positive for opiates in 1988 and 1989. By 1991, the percent positive dropped to 17 percent. Opiate positives for females were highest in Los Angeles (18 percent), Manhattan (21 percent), Phoenix (17 percent), Portland (17 percent), San Antonio (21 percent), and San Diego (21 percent).

Preliminary results from 1992 revealed that opiate use for both male and female arrestees remained approximately the same as in 1991.

Recent Reports on Heroin

Recent reports from Federal agencies and newspaper articles warn of a possible epidemic of heroin use due to increases in production and purity and a decrease in price. Additionally, data from the Drug Abuse Warning Network (DAWN) show an increase in heroin-involved emergency room episodes. However, where the increase in opiate use is has yet to be determined. Clearly, DUF results do not

Table 1

Opiate Use by Male Booked Arrestees

 % Positive

 Site
 1987
 1988
 1989
 1990
 1991

 Atlanta
 4
 3

 Birmingham
 6
 5
 5
 5

Atlanta		-		4	3
Birmingham		6	5	5	5
Chicago	:14	18	27	27	21
Cleveland	ggan (10) and and gggggger and all the ggg	4	3	3	3
Dallas	-	6	8	5	4
Denver	<u>-</u>	_	. 	2	2
Detroit	12	12	8	8	8
Ft. Lauderdale	2	5	3	1	1
Hcuston	8	4	4	6	3
Indianapolis		4	3	4	3
Kansas City	_	2	2	2	1
Los Angeles	15	13	13	11	10
Manhattan	23	24	18	. 17	14
Miami	_	1	2	-	2
New Orleans	5	6	6 ₀	5	4
Omaha	_	. 1	-	2	2
Philadelphia		11	10	8	11
Phoenix	6	7	8	6	5
Portland	14	13	14	11	9
St. Louis	adada aa aa ah da ah	6	7	6	6
San Antonio		18	15	17	16
San Diego	20	21	22	19	17
San Jose			7	7	8
Woohington D.C.	and the second of the second o	ng an alless to Marin Marin (Marin Marin)	A NOTE AND THE STATE OF	40	3

Source: National Institute of Justice/Drug Use Forecasting Program Note: Positive by urinalysis, 1987 through 1991.

12

13

10

Washington, D.C.

Opiate Use Among Arrestees

indicate an increase in heroin use by arrestees. In fact, DUF data show opiate use as stable and low, especially when compared to cocaine use (see page 8 for the percent of arrestees testing positive for cocaine in 1991). This discrepancy, however, is not necessarily contradictory.

Several plausible reasons exist that could explain the lack of increase in heroin use among arrestees and a concomitant increase in supply and purity. First, an increase in emergency room mentions may result more from the inability of users to safely deal with purer heroin than any increase in the number of heroin users. Second, the segment of the population using the purer heroin (which can be snorted, smoked, or injected) may not be coming into the criminal justice system and therefore would not be captured in the DUF statistics. (This phenomenon was seen in the 1980's when cocaine was more generally accepted and use more widespread.) This inexperienced group may be less sophisticated in its drug use, thus possibly experiencing more health consequences related to the drug. This could help explain the increase in emergency room visits.

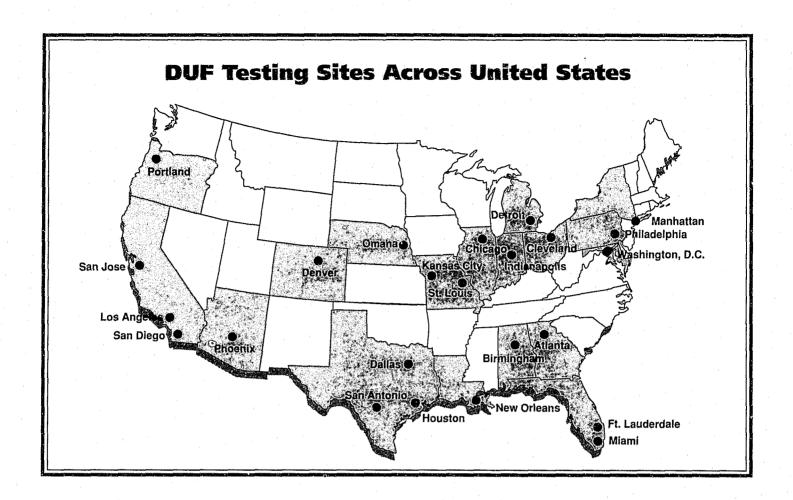
To accurately forecast the potential spread of heroin use to the novice drug user, general population surveys must be conducted. Surveys, like DUF's, do not include drug users in the sample until their drug use leads to other criminal activity. However, it would be expected that drug users in general would be familiar with new drugs available in their communities; consequently, the DUF survey has been enhanced to gain such information. Arrestees are asked not only about their own heroin use but if they know of anyone who is using the drug. Information about snorting and smoking heroin and the availability of the drug are also obtained. DUF will continue to closely monitor the information gained from arrestees to forecast potential increases in heroin use among its sample.

Table 2

Opiate Use by Female Booked Arrestees

	% Positive								
ite	1988	1989	1990	1991					
Atlanta			6	4					
Birmingham	14	5	11	11					
Cleveland			5	6					
Dallas	9	7	10	9					
Denver (-	6	2					
Detroit	20	_	16.	11					
Ft. Lauderdale		2	2	4					
Houston	· -	8	8	4					
Indianapolis	≟ #-	5	7	11					
Kansas City	6	5	3	4					
Los Angeles	22	19	18	18					
Manhattan	26	19	24	21					
New Orleans	7	6	10	7					
Philadelphia	18	15	11	9					
Phoenix	12 `	15	15	17					
Portland	25	26	21	17					
St. Louis	7	7	8	7					
San Antonio	20	20	20	21					
San Diego	21	19	22	21					
San Jose	Continues in the continues are surrounded	9	12	. 7					
Washington, D.C.		25	19	16					

Source: National Institute of Justice/Drug Use Forecasting Program Note: Positive by urinalysis, 1988 through 1991.



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