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Special Report

Recidivism of Prisoners Released in 1983

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Of the 108,580 persons released from prisons in 11 States in 1983, representing more than half of all released State hers that year, an estimated 62.5% rearrested for a felony or serious ameanor within 3 years, 48.8% were reconsicted, and 41.4% returned to prison or jail. Before their release from prison, the prisoners had been arrested and charged with an average of more than 12 offenses each; nearly two-thirds had been arrested at least once in the past for a violent offense; and two-thirds had previously been in jail or prison. By yearend 1986 those prisoners who were

rearrested averaged an additional 4.8 new charges. An estimated 22.7% of all

priconers were rearrested for a violent

offense within 3 years of their release.

These findings were based on a sample of more than 18,000 released prisoners, representing all those released from prison in 11 States during 1983. The 11 States in the sample included California, Florida, Illinois, Michigan, Minnesota, New Jersey, New York, North Carolina, Ohio, Oregon, and Texas. These States accounted for ore than 57% of all State prisoners

ower findings from the survey include the following:

Few criminal justice issues have matched recidivism in stirring public opinion and in engaging the attention of criminal justice professionals. This report is the fourth BJS study of offenders released from prison and their reinvolvement in crime.

The research reported here represents the most ambitious of the studies with data for a large sample of releasees, representing more than helf of all persons released from State prisons in 1983. By linking State and FBI criminal-history records, the study assembles for the first time comprehensive criminal-history data both within and outside the States in which the prisoners were released.

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It provides the most precise estimates of recidivism available among prisoners of all ages and all types of postrelease supervision.

The Bureau gratefully acknowledges the contribution of the Identification Division of the FBI and officials of corrections departments and criminal-history repositories in California, Florida, Illinois, Michigan, Minnesota, New Jersey, New York, North Carolina, Ohio, Oregon, and Texas. This cooperation of State and Federal officials was vital to the success of this important research project.

Joseph M. Bessette Acting Director

- An estimated 68,000 of the released prisoners were rearrested and charged with more than 328,000 new felonies and serious misdemeanors, including approximately 50,000 violent offenses (of which 17,000 were robberies and 23,000 were assaults), more than from 141,000 property offenses (of which 38,000 were burglaries), and 46,000 drug offenses.
 - Recidivism rates were highest in the first year — 1 of 4 released prisoners were rearrested in the first 6 months and 2 of 5 within the first year after their release.
- Approximately 5% of the prisoners had been charged with 45 or more of offenses before and after their release from prison; 26% had been charged with at least 20 offenses.
- More than 1 of every 8 rearrests
 occurred in States other than the State
 in which the prisoners were released.
- Recidivism rates were higher among men, blacks, Hispanics, and persons who had not completed high school than among women, whites, non-Hispanics, and high school graduates.

Recidivism was inversely related to the le of the prisoner at time of release: e older the prisoner, the lower the rate sm.

The more extensive a prisoner's prior Test record, the higher the rate of icidivism — over 74% of those with 11 more prior arrests were rearrested, ampared to 38% of the first-time ffenders.

The combination of a prisoner's age when released and the number of prior dult arrests was very strongly related to ecidivism: an estimated 94.1% of prisoners age 18 to 24 with 11 or more prior arrests were rearrested within 3 years.

- More than 68% of the prisoners released for property offenses were rearrested within 3 years, compared to 59.6% of violent offenders, 54.6% of public-order offenders, and 50.4% of drug offenders.
- Approximately 40% of the released prisoners had previously escaped from custody, been absent without leave

 or probation. An estimated 73% or lease prisoners were rearrested within

3 years of their release.

- The amount of time served in prison did not systematically increase a prisoner's likelihood of rearrest. However, those prisoners who had served the longest, more than 5 years in prison, had lower rates of rearrest than other offenders during the followup period.
- e Released prisoners were often rearrested for the same type of crime for which
 they had served time in prison. Within 3
 years, 31.9% of released burglars were
 rearrested for burglary; 24.8% of drug
 offenders were rearrested for a drug
 offense; and 19.8% of robbers were
 rearrested for robbery.
- Released rapists were 10.5 times more likely than nonrapists to be rearrested for rape, and released murderers were about nes more likely than other offenders to rearrested for homicide. An estimated of released murderers were rearrested for homicide.

Table 1. Profile of prisoners released in 1983 and in 11-State recidivism study Number of prisoners 108,580 released in the 11 States Percent of all States prisoners 57.3 % released in 1983, nationwide Sex 94.1 % Made 5.9 Female Race 54.1 % William . 45.1 Black .8 Other F1 tunicity 12.1 % Hispanic 879 Non-Hisuanic 27 yrs. Median age when released Most serious offener 34.5 % Violeni 48.3 **Property** 9.5 Drugs 6.4 Public-order 1.1 Other 14 mos. Median time served Number of prior excests 8.4 Moon Marien Prior mearceration 67.1 % Yes 32.9

Note: Data are besed on an estimated 108,550 prisoners who were released from prison in 11 States in 1983 and who were still alive in 1987.

 Nearly 1 in 3 released violent offenders and 1 in 5 released property offenders were arrested within 3 years for a violent crime following their release from prison.

Measuring recidivism

No

Criminal-history data for the sample of released prisoners were obtained from the criminal identification bureaus in the 11 participating States and from the Federal Bureau of Investigation. Information was collected only on felonies and serious misdemeanors. These data included information on arrests, prosecutions, court appearances, and postsentencing statutes, such as incarceration, probation, and parole.

Additional information on prisoners released in 1983, including data on demographic characteristics, sentencing, time served, and postrelease supervision status, was collected from the department of corrections in each State as part of BJS' annual Nation Corrections Reporting Program (NCRP). (See table 1 for a summary profile of prisoners in the sample.)

Recidivism rates, as defined here, are estimates of the percentages of released prisoners who commit another offense. Estimates of recidivism vary with the length of the followup period and the measures selected. Three measures of recidivism were employed in this study: restrest, reconviction, and reincarceration.

rearrest refers to any arrest for a felony or serious misdemeanor that was reported to the State identification bureau or the FBI. Arrest data were reported on finger-print cards which the arresting agency had submitted to the State criminal identification bureau and to the FBI.

Reconviction refers to a conviction on at least one charge after the date of release from prison. Data on reconvictions and other dispositions were reported by prosecutor's offices, courts, and correctional agencies.

Reincarceration refers to (1) any return to prison or (2) any admission to a local jail with a sentence for a new offense. Data on incarcerations were reported by receiving agencies, typically State or Federal prisons and local jails.

In previous studies of recidivism. criminologists have concluded that in the aggregate rearrest is the most reliably reported measure of recidivism.1 Although some rearrested individuals may be innocent of the crime charged, using only reported convictions would understate the true recidivism rates because not all offenders are prosecuted or go to trial. Parolees, for example, often do not face prosecution for a new offense, but with their parole revoked they return to prison to serve the balance of their sentence. Moreover, new convictions were the most underreported of the three measures. Data on convictions and other dispositions were not reported for approximately 32% of all arrests in the criminal-history files. For some arrests that contained no court records, convictions were inferred from prison admissions for a new sentence.

For a discussion of problems with other measures of recidivism, see M.D. Matz, Recidivism (Ortanoo, Fla.; Academic Press, 1984).

Table 2. Recidivism of State prisoners released in 1983, by time after release

	Percent of released prisoners who were:				
*	Rearrested	Reconvicted I	Reincarcarated		
iaths	25.0%	11.3%	8.4%		
	39.3	23.1	18.6		
1 year	54.5	38.3	32.8		
2 уергз 3 уевга	62.5	48.8	41,4		

Recidivism and time after release

Within 3 years after their release from prison in 1983, an estimated 62.5% of the released prisoners had been rearrested; 46.8% had been reconvicted; and 41.4% had been reincarcerated (figure 1).

Recidivism rates were the highest in the first year. Four of every 10 released prisoners were restrested in the first year, nearly 1 in 4 were convicted of a new crime; and nearly 1 in 5 were returned to. prison or sent to jail (table 2).

Of all those who were rearrested during the 3-year followup period, approximately two-thirds were arrested by the end of the first year. Of all those reincarcerated, y 45% were reincarcerated in the YEST

Volume of crime

An estimated 67,898 of the 108,580 prisoners who were released in 1983 were rearrested and charged with 326,748 new offenses by yearend 1986 (table 3). More than 50,000 of the new charges were violent offenses, including 2,282 homicides, 1,451 kidnapings, 1,281 rapes, 2,626 other sexual assaults, 17,060 robberies, and 22,633 other assaults.

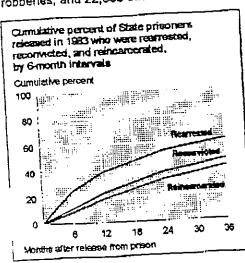


Figura 1

Table 3. Number of arrest charges for State prisoners released in 1983, by type of charge

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4
23
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73
91
95
44
43
111
943

Note: Date are based on an estimated 108,580 prisoners who were released from prison in 11 States in 1963 and who were still alive in 1987. Thornicos includes murder, normegagent प्रकामनायुगिल, भार्च त्रस्तुन्तुश्रह त्राधाननाथ्येल. Unknown charge include those that could not be converted to an NCSO offense code and those not coded because only 6 charges were recorded for each surest.

More than 40% of the new charges were for property offenses. The released prisoners were rearrested for an estimated 51,268 larcenies, 35,433 burgtaries, and 20,233 fraud offenses.

*Arrest charge include those made prior to

of rounding.

Prevalence of violence among State prisoners released in 1983

Among persons released from State prison in 1983, an estimated 77% had been arrested at least once in the past or resurested after their release for a violent offense

Nature of violent record	et some time for a violent offense
Prior errest charge	52.1%
Most perious charge when released	34.6
Arrest charge within 3 years after release	22.7
Ever charged	77.0

Nearly 25% of the new charges were for public-order offenses. Of the approximately 80,000 public-order offenses, 12,791 were weapons charges and 15,395 were violations of probation or parole or flight to avoid prosecution.

About 14% of the new charges were for drug offenses. Because sufficient detail was not recorded for more than 40% of the drug offenses, reliable estimates differentiating the number of possession and trafficking charges could not be made.

The released prisoners had been arrested in the past for more than 1.3 million offenses. Before their release from prison, they had been charged with an estimated 214,778 violent arimes, including more than 12,000 homicides, nearly 9,000 rapes, 5,600 kidnapings, and 84,000 robberies. When combined with the number of new arrest charges, these released prisoners had been arrested and charged with approximately 1.7 million offenses, an average of 15.3 charges each since their first adult arrest.

	ber of arrest charge an		
tate prisoners reli	Percent of all released prisoners	Cumulative percent of pil released prisoners	of all arrest charge
5 or more 3-44 3-5-4 20-24 15-19 10-14 5-9 1-4	5.0% 4.4 9.2 7.7 11.7 17.1 28.2 18.9	5.0% 9.4 18.6 26.3 38.0 55.1 81.3 100.0	19.4% 30.5 47.8 58.8 71.6 84.9 98.7 100.0

mail fraction of offenders were respone for a disproportionate number of - million charges. An estimated prisoners were charged with 45 ffenses each before and after in Leease in 1983 (table 4). This group high-rate offenders accounted for nearly % of all arrest charges. Offenders with or more charges represented 18.6% of offenders but accounted for 47.8% of all larges. Released prisoners with fewer an five arrest charges, however, presented 18.9% of all prisoners but nly 3.3% of the arrest charges.

ercent of all arrests, 1983-86

Ine way of measuring the volume of crime ittributable to released prisoners is to express the new charges as a percentage of errest charges recorded for all offenders n the 11 States during the same time period. Exactly comparable data on arrests of all offenders, however, do not exist. The Uniform Crime Reports (UCR), collected annually by the Federal Bureau of investigation, record arrests for all offenders and classify the arrests by the erious charge. Not all offense ries are compiled by the FBI, and de....ions of some offenses differ from those in this 11-State study. The offenses that are comparable, the UCR Index crimes, include murder and nonnegligent manslaughter, rape, robbery, aggravated assault, burglary, larceny, and motor vehicle theft, therefore, the number of arrests of released prisoners for these offenses can be compared to the total

number of arrests for Index crimes.

Overall, between midyear 1983 and yearend 1988, prisoners released in 1983 -- accounted for 2.8% of the index crime arrests in the 11 States (table 5). The arrests of these released prisoners comprised 3.9% of the Index crime arrests in the 6 months after their release in 1983, 3.4% of the arrests in 1984, 2.6% in 1985, and 2.1% in 1986. It should be noted that by the end of the first year after release nearry 1 in 5 prisoners had been reincarrrated and were not liable for rearrest, d by the second year nearly 1 in 3 had an returned to prison or jail.

Table 5. Number of new arrest charges and comparison with UCR Index crimes for State prisoners released in 1983, by year, 1983-86

charges 326,748	released prisoners*	crimes in 11 States	2.8%
	·	469,315	3.9
55,897 404,074	18,494 30,571	904,951	3.4 2.6
85,613	23,572	1,012,353	2.1
•	101,024 86,613 82,219	101,024 30,571 85,613 23,572	56,892 18,494 904,951 101,024 30,571 921,877 85,613 23,572 1,012,353 82,219 20,937

Note: Subcategories may not add to total because of rounding.

Trickudes only acrests in the State in which the prisoner was released. For exests involving multiple charges, the most senous charge was selected. Index crimes include murder and normagingant manstaughter, rape, inobbery, apprayated easieut burgtery, larceny, and motor vehicle theft. Arson was excluded.

States participating in the National Recidivism Reporting System (NRRS) Because on average there were only 6 months of exposure to restrest, the estimated total humber of Index crime errests for 1983 was divided by 2.

Table 6. Percent of all Index crime arrests in 11 States represented by State prisoners released in 1963, by type of arrest charge and year

Total 1983-86	1983	1984	1985	1986
23% 1.8 5.D 2.4 4.8 2.0 3.3	3.1% 3.8 8.6 3.0 6.8 2.8 4.6	2.5% 2.4 6.4 2.7 5.9 2.3 3.7	2.0% .9 4.1 2.5 4.3 1.B 3.3	1.9% 1.1 3.7 1.7 3.4 1.5 2.3
	1983-86 2.3% 1.8 5.0 2.4 4.8 2.0 3.3	1983-86 1983 2.3% 3.1% 1.8 3.8 5.0 8.6 2.4 3.0 4.8 6.8 2.0 2.8	1983-86 1983 1307 2.3% 3.1% 2.5% 1.8 3.8 2.4 5.0 8.6 6.4 2.4 3.0 2.7 4.8 6.8 5.9 2.0 2.8 2.3 3.3 4.6 3.7	1983-86 1983 1807 2.3% 3.1% 2.5% 2.0% 1.8 3.8 2.4 9 5.0 8.6 6.4 4.1 2.4 3.0 2.7 2.5 2.4 3.0 5.9 4.3 4.6 6.8 2.3 1.8 2.0 2.8 2.3 1.8 3.3 4.6 3.7 3.3

Note: For each percent the numerator is the number of arrests for the index crime among prisoners released in 1983, and the denominator is the estimated humber of errests for Index crimes among all offencers in the 11

for partial-year exposure to rearrest.

For the entire 31/2 year period, the percentage of UCR arrests attributable to these released prisoners was highest for robbery (5.0%) and burglary (4.8%) and lowest for larceny (2.0%) and rape (1.8%) (table 6). In 1984, the first full year after release, these prisoners accounted for an estimated 6.4% of the arrests for robbery and 5.9% for burglary.

Multistate offenders

The new offenses occurred not only in the States in which the prisoners were released from prison but in other States as well. More than 1 of every 8 rearrests were made in States other than the State in which the prisoner was released. An

estimated 5.5% of the released prisoners were rearrested only in States other than those in which they were released. An additional 4.7% of the prisoners were rearrested both in their State of release and in another State.

If data on arrests had been restricted only to the State of release, which is typical of most recidivism studies, the overall rearrest rate would have been an estimated 57.0% rather than the actual 62.5%. In addition, the number of prior arrests would have been underestimated: 26.5% of the prisoners had been arrested in more than one State in the past, and nearly 13.0% of all prior arrests had occurred in States other than the State of release in 1983.

emographic characteristics

en were more likely than women to be
d, reconvicted, and reincarceror their release from prison

7). The rate of rearrest was 11
ercentage points higher among
en than among women.

lacks had slightly higher recidivism rates nan whites, approximately 5 to 8 percent-ge points higher for each measure. Reseased prisoners of Hispanic origin also rad recidivism rates that were about 6 xercentage points higher than those among non-Hispanics.

Recidivism was inversely related to the age of the prisoner at the time of release: the older the prisoner, the lower the rate of recidivism. More than 75% of those age 17 or younger when released from prison were rearrested, compared to 40.3% of those age 45 or older. However, rearrest rates declined by less than 5 percentage points among prisoners between the age of 18 and 34. (Prisoners in this age group comprised nearly 80% of the released in 1983.) The largest as in recidivism were found among the largest age 45 or older had rearrest rates of 40%.

The amount of prior education was also related to recidivism among released prisoners. Prisoners who had graduated from high school or had some college education had somewhat lower rates of rearrest, reconviction, and reincarceration than those who failed to complete high school.

Offense for which released

Prisoners released for property offenses had higher recidivism rates than those released for violent, drug, or public-order offenses (table 8). An estimated 68.1% of the property offenders released in 1983 were rearrested within 3 years, compared to 59.6% of the violent offenders, 54.6% of the public-order offenders, and 50.4% of the drug offenders. Property offenders also had higher rates of reconviction and carceration than other types of anders.

Prisoners who had served time for motor vehicle theft had the highest recidivism rates of all types of offenders — 78.4%

Table 7. Recidivism rates of State prisoners released in 1983, by prisoner characteristics

		Perc who	ent of released pro within 3 years were	o:	
Pari	Percent of all released prisoners	Recruised	Reconsided* Reincurcente		
Prisoner characteristics All released prisoners	100.0%	62.5%	46.8%	41,4%	
Sex Matio Fernale	94.1% 5.9	53.2% 51.9	47.3% 38.7	41.9% 33.0	
Race White Black Other	54.1 46.1 .8	58.7% 67.1 58.7	44.2% 49.9 50.6	38.0% 45.3 45.3	
Ethnicity Hispanic Non-Hispanic	12.1% 87.9	68.5% 61.7	52.4% 46.0	47.6% 40.6	
Age when released 17 or younger 18-24 25-29 30-34 35-39 40-44 45 or older	.5% 35.0 26.5 17.7 9.3 4.8 6.2	75.6% 63.0 65.0 63.4 56.9 48.9 40.3	65.4% 51.2 48.9 47.9 40.8 35.1 28.6	50.6% 44.9 43.2 43.0 35.5 30.7 25.7	
Education 8th grade or less Some high school High school graduate Some college or more	19.3% 48.0 25.8 6.B	61.9% 65.1 57.4 51.9	46.0% 46.9 39.8 35.1	38.4% 40.9 35.0 30.4	

Note: Data on sex were reported for 100% of 108,580 releases date on race for 99.6%, Hispanic origin for 99.6%, age at time of release for 95.8%, and education for 46.6%. Subcategories may not edit to total because of missing date.

"Because of the underreporting of court and custody data in Ohio, the percents reconvicted and reincurcetaled exclude data from Ohio.

Table 8. Recidivism rates of State prisoners released in 1983, by most serious offense for which released

by most serious offense for t		Pe wi	rcent of releases to within 3 years	Meus:
Most serious offense	Percent of all released prisoners	Reunested	Reconstituted*	Rememberated
or which released		67.5%	46.8%	41.4%
All ofference	100.0% 34.6%	59.6%	41,9%	36.5%
Violent officers	• •	42.1	25.2	20.8
Murder*	3.1	42.5	27.9	21.8
Negligent reangle spiriter	1.4	54.5	35.7	31.3
Kidnaping	.6	54.5 54.5	36.4	<u>32.3</u>
Race	2.1	47.9	32.6	24.4
Other sexual esseud	2.1	86.0	48.3	43.2
Robberr	18.7	60.2	40.4	33.7
Agenuit	6.4	50.1	33.2	31.4
Other violent		66.1%	E3 08	47.7%
Property offenses	48.3%	69.6	54.6	48.4
Burgiary	25.8		52.2	45.3
Lerceny/theft	11.2	67.3	59.1	51.8
Motor vehicle theil	2.6	78.A	38.5	32.3
Arson	.7	55.3	47.1	43.3
Franci	5,5	60.9	54.9	50.5
. ,	1.7	67.9	37.3	33.9
Stolen property	.8	54 .1		
Other property	9.5%	50.4%	35.3%	
Drug offenses	***	62.B	40.2	36.7
Possession	1.2	51.5	34.5	29,4
Trafficking	4.5	45.3	34.5	29.1
Other/unspecified	3.9	54.6%	41.59	34.7%
Public-order offenses	8.4%		AB.7	38.1
l l	2.2	63.5	35.9	33.0
Waspons Probation/perole violations	4.2	49.9	36.3	
Other offerness	1.1%	75.8%	62.9	sed are based on

Note: The offense distribution and percents rourcested are bused on 108,216 released for whom most serious offense at releases was known. Percents of those re-

convicted and remonrograted are based on 99,103 releases, after data from Ohio were excluded. Tholudes nonnegligent mansiaughter.

able 9. Rearrest rates of State prisoners released in 1983, y most serious offense at release and charge at rearrest

=6 Total 1% 59.6%	Marder	/iolent cilens Rape	Robberv				obecty offen	Motor vehicle		Drug	Public-order
59.6%		Rape	Robberv				_arceny/ thed	thet	Fraud	offense	offense
	42.1%			Assaul	7.7-	President.		78.4%	 50.974	50.4%	54,6%
		51.5%	66.0%	60.2%	68.1%	69.5%	67.3%	23.0%	11.5%	12.2%	19.3%
7% 30.4%	21.6%	27.5%	33.3%	31.5%	19.7%	20.5%	19.5%		1.1	.3	<u>.9</u>
2.8	5.5	2.8	29	1.7	1.1 .5	1,1 .7	.\$.\$	1.4 .1	.4	4	.8 5.9
1.7	.5 7.0	<i>7.7</i> 85	1.4 19 6	1.2 9.1	8.4	9.1	8.7	12.8	3.5 6.9	4.2 7.8	13.4
	10.5	10.7	15.8	21.9	11.1	11.9				22.8%	28.27
	% 15.5%	25.0%	%2.8 £	28.9%	49.8%	50.4%		•			10.3
		12.7	15.4	10.7	25.2	31.9		_		12.2	14.9
•	7.4	7.4	21.0	14.4		کہ 25 6.0	8.2	18.E	5.1		3.7 5.7
5 4.0		. <i>I</i> 1.8	5.0 5.5	2.9	2.8	6.0	8.7				14.0
		11.3%	18.0%	13.8%	16.2%	17.7%	15.1%	17.1%			33.7
				30,9%	31.0%	32.1%	30.5%	39.0%	24.3%	Z3.0%	
1.996 239.0)76 19.27¢	22.0		7				A 70E	5.809	10,104	6,825
1216 36,7	ce 3,258	2,214	19,815			2 27,416			and sundified		
	1.7 14.1 15.7 7% 32.1 4 12.6 2 16.3 5 4.0 5 4.2 6% 14.8 1.9% 29.0	1.7 .8 14.1 7.0 15.7 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	1.7 .8 7.7 14.1 7.0 8.5 15.7 10.5 10.7 7% 32.1% 18.8% 25.0% 4 12.6 6.4 12.7 2 16.3 7.4 7.4 5 4.0 2.5 .7 5 4.2 2.3 1.8 1.6% 14.8% 9.1% 11.3% 1.9% 29.0% 19.2% 22.3% 3.216 36.769 3.258 2.214	1.7 .8 7.7 1.4 14.1 7.0 8.5 19.6 15.7 10.5 10.7 15.8 7% 32.1% 15.8% 25.0% 38.9% 4 12.6 6.4 12.7 15.4 2 16.3 7.4 7.4 21.0 5 4.0 2.5 .7 5.0 5 4.2 2.3 1.8 5.5 1.6% 14.8% 9.1% 11.3% 18.0% 1.9% 29.0% 19.2% 22.3% 32.0%	1.7 .8 7.7 1.4 12 14.1 7.0 8.5 19.6 9.1 15.7 10.5 10.7 15.8 21.9 7% 32.1% 18.8% 25.0% 38.9% 28.9% 4 12.6 6.4 12.7 15.4 10.7 2 16.3 7.4 7.4 21.0 14.4 5 4.0 2.5 .7 5.0 3.7 5 4.2 2.3 1.8 5.5 2.9 1.6% 14.8% 9.1% 11.3% 18.0% 13.8% 1.9% 29.0% 19.2% 22.3% 32.0% 30.9% 1.216 36.769 3.258 2.214 19.815 6.756	1.7 .8 7.7 1.4 12 8.4 14.1 7.0 8.5 19.6 9.1 8.4 15.7 10.5 10.7 15.8 21.9 11.1 7% 32.1% 18.8% 25.0% 38.9% 28.9% 49.8% 49.	1.7	1.7 .8 7.7 1.4 12 8.4 9.1 8.7 14.1 7.0 8.5 19.6 9.1 8.4 9.1 19.8 15.7 10.5 10.7 15.8 21.9 11.1 11.9 10.8 7% 32.1% 18.8% 25.0% 38.9% 28.9% 49.8% 50.4% 50.3% 17.5 16.3 7.4 7.4 21.0 14.4 27.2 25.3 33.5 4.0 25 7.7 5.0 3.7 7.2 6.0 8.2 16.3 7.4 7.4 21.0 14.4 27.2 25.3 33.5 16.4 2.2 2.3 1.8 5.5 2.9 8.6 6.0 8.7 16.6% 14.8% 9.1% 11.3% 18.0% 13.8% 16.2% 17.7% 15.1% 19.9% 29.0% 19.2% 22.3% 32.0% 30.9% 31.0% 32.1% 30.5% 19.5% 3.258 2.214 19.815 6.755 51.232 27,416 11.596	1.7 .8 77 1.4 1.2 1.2 1.4 1.2 1.3 11.1 11.9 10.8 13.1 15.7 10.5 10.7 15.8 21.9 11.1 11.9 10.8 13.1 15.7 10.5 10.7 15.8 21.9 11.1 11.9 10.8 13.1 17.6 22.1 16.6 6.4 12.7 15.4 10.7 25.2 31.9 17.5 23.7 16.3 7.4 7.4 21.0 14.4 27.2 25.3 33.5 26.3 16.3 7.4 7.4 21.0 14.4 27.2 25.3 33.5 26.3 18.6 18.6 18.6 18.6 18.6 18.6 18.6 18.6	1.7 .8 7.7 1.4 12.8 3.5 14.1 7.0 8.5 19.6 9.1 8.4 9.1 8.7 12.8 3.5 14.1 7.0 8.5 19.6 9.1 11.1 11.9 10.8 13.1 6.9 15.7 10.5 10.7 15.8 21.9 11.1 11.9 10.8 13.1 6.9 7% 32.1% 18.8% 25.0% 38.9% 28.9% 49.8% 50.4% 50.3% 54.7% 47.4% 12.6 6.4 12.7 15.4 10.7 25.2 31.9 17.5 23.7 16.2 16.3 7.4 7.4 21.0 14.4 27.2 25.3 33.5 28.3 25.0 2 16.3 7.4 7.4 21.0 14.4 27.2 25.3 33.5 28.3 25.0 25.0 16.3 1.4 2.2 2.3 1.8 5.5 2.9 8.6 8.0 5.7 8.5 21.6 5.1 1.3% 18.0% 13.8% 16.2% 17.7% 15.1% 17.1% 14.8% 19.% 19.8% 9.1% 11.3% 18.0% 13.8% 16.2% 17.7% 15.1% 17.1% 14.8% 19.% 29.0% 19.2% 22.3% 32.0% 30.9% 31.0% 32.1% 30.5% 39.0% 24.3% 19.6% 3.258 2.214 19.815 6.755 51.332 27.416 11.896 2.785 5.839 1.216 36.769 3.258 2.214 19.815 6.755 51.332 27.416 11.896 2.785 5.839 1.216 36.769 3.258 2.214 19.815 6.755 51.332 27.416 11.896 2.785 5.839 1.216 36.769 3.258 2.214 19.815 6.755 51.332 27.416 11.896 2.785 5.839 1.216 36.769 3.258 2.214 19.815 6.755 51.332 27.416 11.896 2.785 5.839 1.216 36.769 3.258 2.214 19.815 6.755 51.332 27.416 11.896 2.785 5.839 1.216 36.769 3.258 2.214 19.815 6.755 51.332 27.416 11.896 2.785 5.839 1.216 36.769 3.258 2.214 19.815 6.755 51.332 27.416 11.896 2.785 5.839 1.216 36.769 3.258 2.214 19.815 6.755 51.332 27.416 11.896 2.785 5.839 1.216 36.769 3.258 2.214 19.815 6.755 51.332 27.416 11.896 2.785 5.839 1.216 36.769 3.258 2.214 19.815 6.755 51.332 27.416 11.896 2.785 5.839 1.216 36.769 3.258 2.214 19.815 6.755 51.332 27.416 11.896 2.785 5.839 1.216 36.769 3.258 2.214 19.815 6.755 51.332 27.416 11.896 2.785 5.839 1.216 36.769 3.258	1.7

of persons rearrested for a new charge, and the denominator is the number released for each type more than one type of charge.

were rearrested, 59.1% reconvicted, and 51.8% reincarcerated. Other released prisoners with relatively high recidivism reluded those classified as "others" rarily juvenile-status offenders and cified felons (76.8%), burglars (69.6%), those released for possession or sale of stolen property (87.9%), larcenists (67.3%), and robbers (68.0%). Those released for murder or for negligent manslaughter had the lowest rates of recidivism (42,1% and 42,5%, respectively).

Rearrest offense

Released prisoners were often rearrested for the same type of crime for which they had served time in prison (table 9). For example, an estimated 33.5% of released larcenists, more than any other group, were rearrested for another larceny. The same pattern was observed for every other type of offender. Thus, released murderers were more likely than other prisoners to be rearrested for a new homicide (6.6%), released rapists were more likely than other prisoners to be rearrested for rape (7.7%), released bers to be rearrested for robbery 4.6%), and so forth.

The relative likelihood of rearrest for a similar crime was highest among prisoners released for rape, sexual

Table 10. Relative likelihood of rearrest for a charge similar to (versus different from) the release charge among State prisoners released in 1983, by charge

	Relative Mathood of rearrest
Resirest charge	Of Itemion
Violent offenses	1.9
	4.9
Honricide*	10.5
Rapa	7.5
Other sexual assault	2.9
Robbery	2.1
Ameauit	2.1
Property offenses	2,3
l _	3.0
Burgiary	2.1
Larceny/theft	4.2
Motor vehicle theft	4.6
Franci	2.4
Stolen property	2.4
Drug offenses	1.8
Public-order offereass	12

Note: For each type of rearrest charge, the numerator is the cods of rearrest for that charge among prisoners reinneed for the same type of uttense; the denominator is the odds of rearrest for that charge among prisoners released for a different type of offerese. Each ratio expresses the odds of rearrest among prisoners released on B similar offense relative to the odds of reamost among those released on a different type of offense.

assault, homicide, or fraud and lowest among those released for public-order or drug offenses (table 10). Released rapists were 10.5 times more likely than nonrapists to have a subsequent arrest

for rape. Prisoners who had served time for other sexual assaults were 7.5 times more likely than those who had not served time for sexual assault to be arrested for a new sexual assault. Those released after serving time for murder or nonnegligent manslaughter were nearly 5 times more likely than other prisoners to be rearrested for homicide.

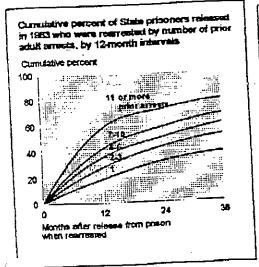
Despite the tendency of released prisoners to be rearrested for the same type of crime for which they were released from prison, they were often rearrested for other crimes as well. Nearly a fifth of the released property and public-order offenders were rearrested for violent crimes during the followup period (table 9). Released proporty offenders were, however, much more likely than violent offenders to be rearrested for a property offense (49.8% compared to 32.1%). Except for released murderers, 20% or more of each type of released prisoner were subsequently arrested at least once for a public-order crime.

lumber of prior arrests

Recidivism rates were strongly related to the number of prior adult arrests; the more e a prisoner's prior arrest record, her the rate of rearrest after release null prison (table 11). Prisoners with a greater number of prior adult arrests were also arrested more quickly than those with fewer prior adult arrests. Moreover, regardless of how long prisoners stayed away from rearrest following their release, those with longer prior records had higher rates of rearrest in subsequent time periods than those with shorter records.

More than a quarter of all prisoners released in 1983 had 11 or more prior adult arrests. (An adult arrest is one that occurred when the individual was of adult age, as defined by State law, or when the individual was a juvenile but charged or tried in court as an adult.) Nearly 75% of the prisoners with 11 to 15 prior arrests and 82.2% of those with 16 or more prior arrests were arrested again following their release from prison. Approximately threequarters of those rearrested who had 11 or more prior arrests were rearrested the first year.

untrast, among those prisoners who had one previous arrest (9.1% of all released prisoners), approximately 38.1% were rearrested within 3 years. Nearly half of those rearrested among prisoners with one prior adult arrest were rearrested within the first year.



oute 2

Table 11. Rearrest rates of State prisoners released in 1963, by number of prior adult arrests

		Percent of felecists who were rearrested			
Number of adult arrests.	Percent of	Within 3 years	Within 1 year		
All released prisoners	100.0%	62.5%	30.2%		
·	•	36.1	19.0		
1 prior arrest	9.1 40.0	48.2	25.5		
2	10.8	54.7	30.1		
3	10.8	96.1	35.5		
4	9.7		33.4		
5	6.0	59,3	38.2		
6	7 <i>5</i> 3	64.8	42.0		
7-10	18.8	67.7	53.3		
11-15	11.9	74.9			
16 or more	14.0	82.2	61.5		
Note: The percents were to weighted cases with valid of prior adult arrests.	प्रकार राज ग्राम तथा ग्राम	Chairman or with	dultage, as defined by on the individual is a parged or tried in court		

The percents of those rearrested among released prisoners were systematically related to the extensiveness of the prior records. For each 3-month interval during the followup period, the cumulative percent of those rearrested was higher for persons with more prior adult arrests (figure 2). Within the first 6 months, for example, released prisoners with 11 or more prior arrests were nearly 4 times more likely than those with 1 prior arrest and more than twice as likely as those with 2 or 3 prior arrests to have been rearrested for a new offense.

"An adult smeal is one that occurs when an

Failure rates, defined as the number rearrested within a 3-month period divided by the number not yet reamested at the

beginning of the period, were highest in the first several months following release from prison (table 12). Failure rates in the first 3 months after release were more than 3 times higher than those in the last 3 months of the followup period (14.2% compared to 4.5%). In addition, in almost every 3-month period those prisoners with longer arrest records had higher failure rates. Even after 33 months, prisoners with 11 or more prior arrests were more than twice as likely as those with 1 prior arrest to be rearrested within the next 3 months (7.0% compared to 2.8%).

Table 12. Three-month failure rates of State prisoners released in 1983, by the number of prior adult rearrests

ine period iter release	All reseased prisoners	represent tor period effer to i prior arrest	2-3 =	4-6	7-10 mrosts	11 or more priests
-3 months	14.2%	5.1%	8.1%	11.7%	15.2%	24.1%
-6	12.5	8.4	8.9	10.8	13.2	20.5
-9	11.2	5.4	7.1	10.8	10.7	17.7
0-12	8.9	3.5	7.2	8.3	11.6	14.7
3-15	7.9	4.1	6.7	7.8	10.5	10.4
16-18	7.3	4.4	6.1	8.9	8.9	10.5
19-21	6.6%	3.4%	5.1%	6.9%	7.4%	9.4%
72-24	8.0	3.2	4.8	6.2	6.8	9.1
25-27	6.3	3.0	4.7	5.8	5.9	6.8
28-30	4.6	3.0	4.6	4.6	5.2	6.5
31-33	4.4	2.8	3.3	4.2	5.0	6.2
34-36	4.6	2.8	3.6	4.8	6.4	7.0

Note: For each percent the denominator is the number of released prisoners who had not been rearrested before the 3-month period, and the

Numerator is the number with viero rearrested during the period.

enumber of prior arrests remained trong predictor of recidivism among eased prisoners for both males and or each race or ethnic group, all age groups (tables 13 and 14). The each sex and racial category, the reent rearrested among released isoners increased with the number of ior adult arrests. The percentage arrested was slightly lower among spanics with 7 to 10 prior arrests than ose with 4 to 6 prior arrests, but the fierence was not statistically significant.

fithin each prior arrest group, recidivism ites varied by sex, race, ethnicity, and ge. Except for prisoners with 7 to 10 rior arrests, men had higher rates of earrest than women. Black prisoners had earrest rates that were 8 to 14 percentage roints higher than those for whites, desending on the number of prior arrests. Hispanic prisoners, who could be white or plack, also had rates higher than those for non-Hispanic whites within every category of prior arrests.

Within each prior arrest category, older rs had lower rates of rearrest than er prisoners. Released prisoners ad one prior adult arrest and were age 35 or older had the lowest recidivism rates of all prisoners: 6.8% of those age 35 to 39 and 12.1% of those age 40 or older were rearrested within 3 years. In contrast, an estimated 94.1% of the released prisoners who were age 18 to 24 and who had 11 or more prior arrests were rearrested during the followup period.

Age at first adult arrest

The age at which a released prisoner was first arrested and charged as an adult was inversely related to recidivism: the younger the age at first arrest, the higher the rate of recidivism (table 15). An estimated 72.2% of the prisoners first arrested before the age of 18 were rearrested within 3 years of their release, compared to 39.2% of those first arrested between age 25 and 29 and 26.6% of those first arrested at age 30 or older.

rious studies have found a similarly ong relationship between the age at a criminal career began and the probability of recidivism.²

M.E. Workgang, R. Figlio, and T. Seilin, Delinquency in a Birth Controt (Chicago: University of Chicago Press, 1972); Reachvism of Young Femilees, BJS Species Report, NCJ-104916, May 1967.

Table 13. Rearrest rates of State prisoners released in 1983, by number of prior adult arrests, sex, and race or elimicity

by number of prior adu			clad within 3 ye		
		Sex	Kata	Block non-	
Number of prior	Malo	Female	White non- Hispanic	Hispanis	Hispanic
aduli arresi	63.2%	51.9%	56.1%	67.1%	68.4%
All released prisoners 1 prior arrest 2-3	39.5% 52.5 61.1	21.4% 32.9 47.1	31.1% 48.3 54.8	45.1% 58.2 64.1	40.9% 53.3 68.6
4-6 7-10 11 or more	67.6 79.0	69.2 76.5	63. 0 73. 2	71.6 81.4	67.8 84.5
Number of prisoners *Too few cases of other ra	101,902	8,392	46,205	47,854	13,079

Table 14. Rearrest rates of State prisoners released in 1953, by age at time of release and number of prior adult arrests. Percent of State prisoners released in 1983, who were rearrested within 3 years, by one of release Age 40 or older Age 17 or 35-30 Number of actual 30-34 25-29 18-24 younger ament prior to release 43.7% 56.8% 63.0% **85.0%** 75.6% 68.0% All released prisoners 12.1% 6.8% 24.8% 29.2% 48.6% 78.7% 145 38.2 1 prior errest 38.2 **4**2.A 61.8 20.1 41.5 51 D 2-3 57.B 72.B 39.0 54.5 4-6 72.5 64.8 81 D 812 76.O 7-10 80.5 87 B 94.1 11,972 11 or more 10,083 19,781 28.712 37,932 523 Number of prisoners Too (ew cases to provide a reliable Note: Cases with stressing data on the number estimates. of prior actuit amesis or age at time of releases were excluded.

able 15. Rearrest rates of Sta by age at first adult arrest and	Percen	of State prison	sers released in 3 years, by eq	1983, WHO 9 ਜ਼ੀ ਰਿਡੀ ਗਾਰ	<u>st</u>
lumber of adult	Age 17 or	_	20-24	25-29	Age 30 or older
errest prior to release	100175-	18-24 68.4%	55.1%	39.2%	26.6%
All released prisoners	72.2% 65.0%	53.5%	30.6%	15.9%	15.1 % 22.6
1 prior acress 2-3	62.1	56.5 61.2	46.4 55.7	35.5 45.4	32.4
4-8 7-10	68.6 69.3	69.3	65.3 71.4	60.2 50.9	41.9 82.6
11 or more	82.7	79.8 38,058	22,470	6,653	4,783
Number of prisoners	35,837	35.3%	20.8%	6.2%	4.4%

Because records of arrest and prosecution of juveniles were not reported in State or Federal criminal files, unless the offender was charged or tried in court as an adult, an exact measure of the age at first arrest was not available. Nevertheless, more than 1 of every 4 released prisoners in 1983 had a record of an arrest before they were 18 years old. It should be noted that some arrests may have occurred in States in which the age of majority is under 18.

Age at first adult arrest and recidivism were related regardless of the number of prior arrests. Within almost every category of prior arrests, the older the prisoners had been when first arrested, the lower the rate of rearrest following their release from prison. Among prisoners with one prior arrest, those first arrested at age 17 or younger were about 4.3 times more likely to be rearrested than those first arrested at age 30 or older. Among those with 11 or more prior arrests, those age 17 or younger when first arrested were nearly 1.3 times more likely than those age 30 or

Ider to be rearrested. Overall, both age t first adult arrest and the number of prior rests were related to the likelihood of among prisoners released in

ength and intensity of prior record

The length of a prisoner's criminal history, tefined as the time between the first adult arrest and most recent prison admission prior to release in 1983, was also associated with recidivism (table 16). An estimated 51% of the prisoners who had been arrested for the first time in the year before their most recent admission to prison were rearrested within 3 years, compared to 62% or more rearrested among prisoners with longer criminal histories.

The intensity of prior record rather than length, however, was more strongly associated with the likelihood of a prisoner's rearrest. Prisoners with a large number of prior arrests in a short period of time were more likely to be rearrested than those with fewer prior arrests in a least period of time. Within almost every

rest category, the longer the d of time over which the prior arrests occurred, the lower the percentage rearrested among released prisoners. Among prisoners with two or three prior arrests, for example, nearly 59% of those with a criminal history of a year or less were rearrested, compared to 28% of those with a criminal history of over 10 years.

Time served in prison

The amount of time served by prisoners on their most recent offense before their release in 1983 was not associated with an increased likelihood of their rearrest (table 17). Only the prisoners who had served the longest, the estimated 4.1% who had been in prison for more than 5 years, had lower rates of rearrest during the 3-year followup period. An estimated 48.3% of those who had served more than 5 years in prison were rearrested, compared to 59.0% or more those who had served less time.

Table 16. Rearrest rates of State prisoners released in 1983, by length of criminal history and number of prior adult arrests.

	Percent	of State precine of within 3.4535	ns reinsecret in 19 by length of a		More than
Number of solution arrest prior to release	12 monites or feet	13-24 months	25-60 modim	61-120 montes	120 months
All released prisoners	50.9%	61.6%	98.0%	65.3%	64.3%
1 prior strest	. 39.0%	37.5%	-35.1% 50.6	22.5% 39.4	25.0
2-3 4-6	58,9 71.9	57.7 71.0	68.3	55.6 72.1	40.5 54.8
7-10	•••	72.9	77.7 62 -2	83. 8	75.7
11 or more Number of prisoners	16,921	9,779	22,437	27,537	31,541
Percent of all released prisoners	15.6%	9.0%	20.7%	25.4%	29.19

Note: Cases with missing data on the number of prior adult arrests, data of birth, and data of most recent admission before release in 1983 were excluded.Too few cases to provide resable estimates. "Length of criminal bickory is defined as the number of morths from the first south arrest to the most recent eximisation to prison before release in 1983.

Table 17. Rearrest rates of State prisoners released in 1983, by time served in prison

Percent of all first releases	Percent of prisoners reemoted within 3 years following a first release
14.5%	61.2%
27.7	54.6
••••	53 .0
	64,6
	60.7
	61.3
	59.0
4.1	443
	of all first releases 14.5% 27.7 18.3 12.8 8.3 5.2 9.0

Note: A first released, as defined here, includes only those offenders leaving prison for the find time since beginning their sentence. It excludes those who left prison in 1983 but who had previously been released under the serve someone and had returned to prison for violating the conditions of release. Figures on time served are based on 55,263 cases.

eneral, despite controls for the effects nor record, age when released, age at prive arrest, and type of offense for ised, no relationship was found acidivism and length of time n prison (table 18). Within each of groups considered, differences in the lihood of rearrest among those who ved varying amounts of time in prison re inconsistent and often statistically ignific≋nt. Though prisoners who had ved more than 5 years had lower rates rearrest, in order to make reliable mparisons, they were grouped with all ose who had served more than 3 years.

agardless of the length of time prisoners id served, the number of prior arrests, je when released, and age when first arsted as an adult remained strong predicrs or recidivism. Further, with the cception of prisoners who had served etween 19 months and 24 months, reased property offenders had higher rates f rearrest than violent offenders. In every ategory of time served, released drug ofenders had the lowest rates of rearrest.

naracteristics of prior record

iolent arrests

Recidivism rates were related to the prevalence of violence in the prior record (table 19). An estimated 52.1% of all prisoners released in 1983 had been arrested for a violent crime before the crime for which they were released in 1983. Regardless of the offense category for which they were released, prisoners with a prior arrest for a violent offense had a greater likelihood of rearrest than other released prisoners. More than 68% of those with a prior violent arrest, compared to 56.2% of other prisoners, were rearrested within 3 years of their release.

Prior incarceration

ated for the first time.

Approximately 2 of every 3 released prisoners had previously been incarcerated in prison or jail for a crime other than the one for which they had served and were then released in 1983. nest rates among prisoners who had incarcerated before their most recent ac....ásion to prison were nearly 20 percentage points higher than the rates among prisoners who had been incarcer-

Table 18. Rearrest rates of State prisoners released in 1983,

ny tima served in priso	F	ercent of State	te prisoners tele th 3 years, by t	years, by time served in prison		
	6 months or less	7-12 months	13-18 months	19-24 months		37 months or more
terminer of prior						
eluli arrests			40.7%	41.9%	42.7%	25.6%
terned.	35.2%	42.9%	51.2	55.2	55.4	44.5
2-3	47.0	53.3	55.1	65.7	55.2	56.3
4-6	60.3	82 .0	55.1 69.8	8,23	60.3	54 5
7-10	75.9	73.2	82.D	78.5	75.3	72.7
11 or more	81,2	\$2,7	8270	7030		
Age when releases			81.4%	85.0%		***
19 or younger	72.8%	72.6%	85.7	71.9	68.9	64.1
20-24	6 3.7	68.1	65.1	62.8	63.8	62.9
25-29	50. 8	65.4	53.1 59.6	87.6	80.9	58 .5
36-34	81.1	68.0		47.5	46.B	41.5
35 or older	51.2	48.9	52.0	4000		
Age of first adult arrest			77.5%	76.0%	70.7%	65 2%
17 or younger	78.6%	77.5%	68.2	68.1	64.7	65.0
18-19	63.1	70.0	52.2	60.2	54.2	44.0
20-24	55.1	56.1		38.2	25.9	15.1
25-29	39.7	44.9	40.1	27.6	27.1	12.8
30 or older	30.5	35.5	20.2	21.0		
Most serious offense						
at releases		61.5%	60.0%	68. 5%		
Violent	64.1%		59.4	66.5	8.8	64.8
Property	65.4	69.5	45.B	50. 6	43.1	47.2
Drug	45.0	53.3	56.3	51.6	57.5	50.8
Public-order Note: Table includes only	48.9	54.5			67 571	

on time served. Figures on numbers of prior emeans are based on 55,127 weighted cases; on age when released, 55,248; on age at first adult emest. 54,877;

Table 19. Rearrest rates of State prisoners in 1903, by most serious offense at release and selected characteristics of prior record

	Percent within 3	of State prison years, by mon	ers released I soricus offer	rse at releas	<u>a</u>	Public
Characteristics	Percent of	A#	Violent	Property	Drugs	order
af prior record	al releases	ORBIRSES		58.1%	50.4%	54 .5 ≒
fill released prisoners	100.0%	62.5 %	£9.6%	QG,1 A		
Prior errest for a					64.4	59 .1
riplent crime	52.1	68,3	63.5	75.8 81.8	39.4	48.1
Yes	47.9	56.2	53.1	61.0	•	
No	•					57.7
Prior incarceration	67.1	69.1	67.3	72.7	62.S	45.8
Yes	32.9	49.1	47.5	56.7	29.3	-2
No	32,3	40				
Prior exemps or revocation						68,3
מיות אל היים אל היים ואינום מים שם	39.9	73.Ī	70:3	76,7	41.3	44.4
Yes	50.1	55.5	54.8	61.2		٦,٠-
No	00.1					
Prior scress for					era n	65.1
a drug offense ^b	37.9	68.6	69.1	76.3	53.2 40.0	20 A
Yes	62.1		55.2	64.2		
No		400 SB7	other cord	ional releas	a or probation	i, dang ingiri s

Note: Percents of all reseases are based on 108,580 weighted cases, that is, all persons released in 1983 who survived to 1987.

"includes except, abscording, absent without jeave, revocation of parole, mandatory release, furlough,

other conditional release or probation, and flight to avoid prosecution.

*Prisoners whose most serious offense when released was a drug offense were coded "no" if there was no prior drug enest.

rior escape or revocation

Almost 40% of all prisoners released in 1993 had at some time in their past if from custody, been absent it leave (AWOL) or had a prior parole or sentence to probation formally revoked. Approximately 73.1% of such prisoners were rearrested within 3-years followup period. Depending on the type of crime for which they had served time in prison, these prisoners had rearrest rates that were about 15 to 26 percentage points higher than the rates among prisoners with no prior revocation or history of escape or AWOL.

Prior arrest for a drug offense

Based on the most serious offense at their release, an estimated 9.5% of all prisoners had served time for a drug offense. However, this figure under estimates the extent of prior drug arrests among these prisoners. Nearly 38% of all released prisoners either had previously been arrested for a drug offense or had been incarcerated for drugs in conjunction with a more serious offense before their e in 1983.

Finoners with one or more prior drug arrests were more likely than those without a prior drug arrest to be rearrested within the 3-year followup period (68.6% compared to 58.8%). In addition, within each offense category for which prisoners were released, a prior drug arrest was associated with a higher rate of rearrest.

The relative effect of selected risk factors

Numerous factors have been found to be related to the likelihood of rearrest. These factors were considered independently. With the exception of controls for the number of prior adult arrests and most serious offense for which released, the relationships among these risk factors and their relative contribution to the likelihood of rearrest have not been examined.

To avoid misinterpretation of the lings, the impact of each risk factor ruld be evaluated relative to that of examination might or might not reveal.

for instance, that the higher rate of rearrest among certain types of property offenders than among violent offenders and
drug offenders is the result of differences
in the criminal histories or age composition
of these offender groups rather than any
unique attributes of the property offenders.
In addition, the numbers of prior arrests, a
prior revocation or escape, a prior incarceration, a prior arrest for a violent offense, or a prior drug arrest may not be
uniquely related to the ikelihood of rearrest. The effect of these factors may
overlap, and some effects may be more
important than others.

Logit analysis separates the effects of the risk factors by simultaneously controlling for the relationship between each factor and the likelihood of rearrest. In logit equations, one variable is considered dependent upon variation induced by others. The odds of rearrest (that is, the ratio of the number rearrested to the number not rearrested) for each combination of categories among risk factors is a multiplicative function of the effects of these factors. When transformed by logarithms, the effects of these factors are additive.

Eight of nine risk factors examined here have independent net effects on the odds of rearrest (table 20). The length of criminal history has no statistically significant effect, primarily due to its close relationship to age when released and number of prior arrests. The effects of the remaining eight factors are reported in descending order of their overall net impact age when released is found to have the largest impact, followed by the number of prior arrests, prior escape or Nevocation; most serious offense, prior incarceration, age at first arrest, prior violent arrest, and prior drug arrest. The effects of age at first arrest, prior arrest for a violent offense, and prior drug arrest, though statistically significant, are relatively weak (adding between 0.5% and 1.5 to the overall fit to the data) and may be excluded from the final equation.

The estimated effects, or logit coefficients, show more precisely the magnitude and direction of the effect that each category

For an elaboration of logit analysis as well as other log-timest techniques, see S.E. Feinberg. The Analysis of Cross-Classifier Date (Combridge: NRT Press., 1977; or D. Knotes and O.J. Bartes, Log-timest Models (Beverly Hills: Sage Publications, 1980).

Table 20. The relationship of series risk factors to the odds of rearrest within 5 years

within 3 years	Locistic cost	ficient ^a
	Initial F	nai
Overall level		
Of LEGILESI, Checky Seven	.354	.317
•		
Age when released	.661	.721
24 or younger		015
25-34	.017*	.736
35 or older	678	-1100
Humber of prior		
acieli acrest		- 582
1-3 percent	- <i>A</i> 72	112
4-8	096	684
. 7 or more	.588	***
Prior escape of		
bioperion or or becole		
	232	.224
Yes	• 2 32	-224
No		
Ment surrous offense		
for which release		
Robbery, burgiery,		
intowny, motor		
volucie their, or	.179	.178
stolen property Other offenees	-179	178
	-117-	
Prior incarcuration	,155	.175
Yes	.155 155	-,175
No	-,155	••
Age of first serest	.178	_
17 or younger	.17 <u>2</u> 026*	_
18-20	-,152	_
21 or older	132	
Prior arrest for a		
violent offense	.117	_
Yes	.117 -,117	_
No	-,(1)	
Prior arrest for		
a drug offerse	,068	
Yes	.068 .068	_
Ho	00 (to no beauty	

Note: Coefficients are based on an equation in which the log of the odds of married is producted for each combination of categories among risk factors. Aga at first arrest, prior violent arrest, and prior drug arrest are excluded from the final equation because they contribute only slightly to the overall fit of the equation. The final equation accounts for 85.1% of the change in the literature of change in the literature of changes the interest of no effects (not shown).

That statistically significant.

Excluded from the final prediction equation. Represents deviations from the overall level

of rearrests.
Represents the mean of the log odds in all celts of the cross-classification of this factors.

emong the risk factors has on the likelihood of rearrest. A positive coefficient implies an increase in the predicted logarithm of the odds (or log odds) of rearrest, a negative coefficient implies a decrease. The contribution to the predicted log odds of rearrest by prisoners who were age 24 or younger (.721) is larger than that by those with 7 or more prior arrests (.694), which in turn is larger

n that by those with a prior escape or ocation (.224), those released after ving time for a high-risk offense (.178), debyers with a prior incarceration (.175).

gether the coefficients imply that Irviduals with all five of the high-risk aracteristics have more than a 10-to-1 ds of rearrest. To calculate these odds actly, the coefficient for the overall level rearrest and for each category are immed (for example, .721 + .694 + 24 + .178 + .175 + .317 (a constant) = 309). The inverse of the natural logatim of this sum provides an estimate of e odds, or 10.084 to 1. In terms of the edicted percent rearrested, these odds uply that 90.4% of the prisoners with less five characteristics will be carrested within 3 years.

stimates for released prisoners with ther combinations of these five risk actors may also be computed. Individuals with the lowest risk of rearrest, for intance, are those who are age 35 or older, who had three or fewer prior arrests, who lave no prior escape or revocation, who issued time for a low-risk offense, and who

ted odds of rearrest for this low-risk group is .208 to 1, or 17.1%. The odds of rearrest for prisoners with other combinations of risk factors will vary between 17.1% and 90.4%.

The finding reveals that the odds of rearrest are predictable from each of the five factors. However, the finding do not suggest that the risk factors excluded from the equation are either statistically or substantively insignificant. Each is strongly related to the likelihood of rearrest but also related to one or more of the factors in the final equation. Age at first arrest, for instance, is related to both current age and the number of prior arrest. No attempt has been to specify further the relationships among these factors. The final equation simply identifies the factor with the largest net effect on arrests.

Overall, these findings should not be used to add the future behavior of any indiction in however, they may be used to to the likelihood of rearrest for specific ps of released prisoners that are identified by particular characteristics.

When interpreting these finding, the

difference between risk assessment and the prediction of individual behavior must be kept in mind. The statistical test of the final equation was not based on the prospective number of "right" or wrong predictions from the classification of individuals on these characteristics. The equation merely provides an assessment of risk posed by released prisoners with specific characteristics.

Methodology

Sample description

A sample of prisoners released in 1983 was obtained from records submitted by participating States in the National Corrections Reporting Program (NCRP). Individual corrections records were linked with records of arrests and prosecutions (rap sheets) maintained by the criminal identification bureaus in the 11 States. Rap sheet data on offenders who were arrested in more than one State were obtained from the Federal Bureau of Investigation.

The States represented in the sample were California, Florida, Illinois, Michigan, Minnesota, New Jersey, New York, North Carolina, Ohio, Oregon, and Texas.

State and Federal rap sheets were found for 16,355 of the 18,374 prisoners in the original sample. Excluding the 159 prisoners who died during the followup period, complete records were obtained for 90% of the original sample. Most of the sampled prisoners with incomplete records did not have an FBI identification number in their corrections record or on the State rap sheet. Without this number, FBI rap sheets could not be obtained. There was no evidence of any systematic difference between those persons with complete records and those lacking either a State or FBI rap sheet.

Findings in this study are representative of an estimated 108,580 prisoners who were released in the 11 States and who were alive in 1987. Only released prisoners with sentences to State prison of greater than 1 year are included. Administrative releases, prisoners who were absent

"See L.W. Shannon, "Risk Assessment vs. Read Prediction: The Prediction Problem and Public Trust." Journal of Quantitative Criminology (June 1985) 1(2):159-189.

without leave (AWOL), escapeed fers, releases on appeal, and those will died in prison are excluded from the sample.

A separate, self-representing sample of male and female prisoners was drawn within each of the participating States, except Minnesota, in which all released prisoners were selected. Within each gender group in the 10 sampled States, prisoners were grouped into 24 strata that were defined by categories of race, age, and type of offense. Prisoners were selected systematically from each strata to yield independent samples of males and females within each State.

To adjust for differences in the sampling rate among State and for differences among strata in the coverage of rap sheets, a series of weights were introduced. The weights were applied so that individuals in each State and stratum were properly represented in the combined 11-State sample.

Comparison with the 1983 NCRP

Eight of the 11 selected States, excluding Florida, New Jarsey, and New York, were among the 29 States participating in the 1983 National Corrections Reporting Program. Released prisoners in the 11 States closely resembled all those reported in the NCRP (Appendix table). The sex, race, age, and offense distributions were nearly identical in both groups of States. A slightly higher percentage of prisoners in the NCRP States than in the 11-State sample had served 6 months or less before their release in 1983 (16.8% compared to 14.5%), Howaver, the difference may reflect longer time served by prisoners in Florida, New Jersey, and New York rather than sampling error.

Precision of the sample

Overall, the 95% confidence interval for the percent of all released prisoners who were rearrested within 3 years (62.6%) was approximately plus or minus 1 percentage point. The precision of other estimates varied by item, size of the estimate, and sample size for each group. The precision of estimates of the percent rearrested based on 1,000 sampled

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risoners, for example, varied between !% and 3.5%, depending on the percent earrested.

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Coverage of criminal-history files

Criminal-history information maintained by the State identification bureaus and the FBI includes all felonies and serious misdemeanors. These files exclude arrests and court actions, involving charges such as drunkenness, vagrancy, disturbing the peace, curfew violation, toitering, false fire alarms, unspecified charges of suspicion or investigation, and traffic violations (except manslaughter, driving under the influence of drugs or liquor, and hit and-run, which are included in the files).

Information on offenses committed by juvenile offenders is not reported in the rap unless the offender was charged or ... court as an adult. Consequently, ures presented in this report refer to adult arrests only.

Arrests for serious offenses are not always recorded in the criminal-history files, largely because of the absence of readable fingerprint cards. To correct for this underreporting, incarceration records lacking prior arrest records were counted as arrests in the calculation of rearrest rates, time to first rearrest, and the number of prior adult arrests.

Offenses

The offenses reported in the criminalhistory files were recoded following
definitions outlined in *BJS Crime*Definitions, which is available upon
request. For each arrest in the files, the
total number of charges and counts was
recorded. However, the type of charge,
disposition, and sentence were coded on
a maximum of six charges per arrest. For
prisoners released in 1983 after serving
time in prison for more than one offense,
the offense with the longest sentence was
defined as the most serious.

	ppendix table. Co	menter 1	/11-State			
A	ppendix teble. Co imple with 29 Stat	nuperious (MA National			
5	imple with 29 State orrections Report	ion Process	n /NCRP).			
-	oneciona repuit	A toloacas.	Drisoners			
므	by characteristics of released prisoners Percent of all prisoners					
		released in 1983				
S	غا دراین	11-State	. 29 States			
	xaracteristic		in NCRP			
_			•			
	Male	94.1%	93.2%			
	Famele	5.9	6.8			
		•				
R	ace	-4 4 N	54.2%			
	White	54.1% 45.1	44.8			
	Black	40.7 .8	1.0			
	Other	۰	1.12			
ر (vg u					
ľ	17 or younger	.5%	.5%			
	16-24	35. 0	35.4			
1	25-29	25.5	26.5			
1	30-34	17. 7	17.1			
1	35-39	\$.3	8.3			
1	40-44	4.8	4.9			
	45 or older	6.2	4.3			
١.	Most serious offens					
	for which rejease	_				
'	Violent	34.6%	32.5%			
١	Property	48.3	51.0			
	Drugs	9,5	8.2			
1	Public-order	8.4	e. 9			
	Other	1.1	1.3			
1	Time waved in prim					
١	patota tajaara, 1700a makas ni bisa	_				
1	6 months or less	14.5%	15.5%			
-	7-12	27.7	27.3			
	13-18	18.3	17.3			
Į	. 15.24 -	97 F	42.3			
١	25-30	8.3	.7.5			
-	31-36	5.2	5.0			
١	37-80	9.0	9.0			
١	61 months or mon	4.1	4.8			
١	16:					
١	Number of talease	9. 105.580	120,358			
ļ	bi month.	1 0				
1	Percent of all roles	med.				
ļ	State prisoners,	57.3%	62.9%			
	nationwide	PF	02.57			

Note: Data include only those prisoners who had sentences longer than 1 year and who were released from correctional custody in 1983. Administrative releases, AWCLs, excepted, transfers, releases on appeal, and death were excluded.

**Essed on first-releases only.

Bureau of Justice Statistics Sp. 300 Reports are prepared principally by BJS staff. Allen J. Beck and Bernard E Shipley wrote this report it was edited by Thomas Hester. John Dawson, Christopher Innes, and Jacob Perez provided statistical Dorothea Proctor assisted in survey production. Marilyn Marbrook. publications unit chief, administered report production, assisted by Sophie Bowen, Jeanne Harris, Yvonne Shleids, and Jayne Pugh. The Regional Justice information Service (REJIS) of St. Louis, Missouri, processed the data.

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The Assistant Attorney General,
Office of Justice Programs, coordinates the activities of the following program offices and bureaus: the Bureau of Justice Statistics, National Institute of Justice, Bureau of Justice Assistance, Office of Juvenile Justice and Delinquency Prevention, and the Office for Victims of Crime.

The 11-States sample includes only released prisoners in 1983 who were sine in 1987; for the NCRP States, as prison releases are included. Pigures for the 11-State sample are based on weighted date.