

CHAPTER 6: DESCRIPTION OF SAMPLE

This chapter profiles the research subject sample, the various DAP treatment subject groups, the DAP comparison group, and the non-DAP control group, for whom — at the very least — the Intake1 interview containing extensive background information was completed and who were included in our analyses of supervised subjects.¹ We provide a profile of the subject sample using the variables included in the outcome analyses. In addition, we provide additional details related to the outcome measures, including the reason for failing a Community Corrections Center (CCC) placement, the type of drugs used among individuals who failed their CCC placement, the type of post-release arrest and the type of drug used after release.

This description also provides a basic profile of an incarcerated population with a history of drug use. We provide separate tables of descriptive statistics for men and women because, as mentioned in Chapter 4, men and women were in separate treatment programs and we analyzed outcomes for men and women separately. Although we discuss differences between the various subject groups, we emphasize gender similarities and differences.

DAP Treatment Groups

This section briefly describes the four types of residential Drug Abuse Treatment Program (DAP) participants. We provide this descriptive data in categories which are consistent with our previous report on 6-month outcomes. The four groups include: (1) inmates in residential drug treatment who completed that treatment (DAP-complete subjects), (2) inmates who dropped out (DAP-dropout subjects), (3) inmates discharged for disciplinary reasons (DAP-discharge subjects), and (4) inmates who, for a variety of other reasons, did not complete the program (DAP-incomplete subjects). This “incomplete” category, in general, comprises inmates who were transferred to another institution or to a CCC before they could complete the full 9 or 12 months of treatment, those who had their sentences shortened toward the end of their incarceration and were released from BOP custody before they were able to complete the treatment program, and those who spent an extended amount of time on writ or medical furlough and thus were unable to complete treatment before release.

Of the 1,842 male subjects in this analysis, 948 (51 percent) entered residential treatment. The other 49 percent were comparison subjects who never entered residential treatment. Of the 948 men who entered treatment, 80 percent completed the treatment program, 4 percent voluntarily dropped out of the program, 7 percent were removed for disciplinary reasons, and 9 percent

¹ We note that most of our analyses are limited to those subjects who were released to supervision and therefore, we include only those subjects in our descriptive statistics. We included *all* subjects in some analyses of arrests primarily to determine the consistency of the treatment effects. Information on the descriptive statistics for individuals not released to supervision are available upon request.

constituted the “incomplete” subject category.

Of the 473 female subjects in this analysis, 245 (52 percent) entered residential treatment. The other 48 percent were comparison subjects who never entered residential treatment. Of the 245 women who entered treatment, 70 percent completed the treatment program, 9 percent voluntarily dropped out of the program, 8 percent were removed for disciplinary reasons, and 13 percent fell into the incomplete category. The fact that there is a lower percentage of treatment “completers” for women than for men may be related to policy differences between treatment sites and differential enforcement of program rules.

Sample Demographics

This section describes the 1,842 male inmates and 473 female subjects who were interviewed as part of the drug treatment evaluation project and were included in the analysis. The samples were divided into those inmates who received treatment in the in-prison DAP program and those who did not receive treatment while incarcerated (*i.e.*, comparison subjects). Further divisions were made among both the treatment and comparison groups. The comparison sample was divided into those inmates who were ever housed at a site that offered treatment and who were there long enough to participate in the program (DAP comparison subjects) and those who did not have the opportunity to participate in the program (non-DAP control subjects). The treatment group was divided into the four categories mentioned in the preceding section: those who completed the treatment program (DAP-complete subjects), those who dropped out (DAP-dropout subjects), those who were discharged for disciplinary reasons (DAP-discharge subjects), and those who did not finish the program for other reasons (DAP-incomplete subjects).

Race/Ethnicity

The racial composition of the male sample was 61 percent white, 36 percent African-American, and 3 percent of other races (*see* Table 1). There was a higher percentage of African Americans in the female sample, with 54 percent white, 43 percent African-American, and 3 percent of other races (*see* Table 2). For males, the highest percentage of African-Americans (43 percent) belonged to the non-DAP comparison group; however, for females this trend was reversed, with the lowest percentage of African-Americans (26 percent) being non-DAP comparison subjects. Male subjects who completed DAP were the most likely to be white (67 percent) whereas among females, non-DAP comparison subjects had the highest percentage of whites (70 percent).

Male and female subjects were predominantly of non-Hispanic origin—92 percent and 91 percent, respectively. For both men and women, the largest percentage of Hispanic subjects were those who were discharged from treatment for disciplinary reasons (10 percent and 25 percent respectively).

Age

Also shown in Tables 1 and 2 are the age breakdowns at the time of release from BOP custody. On average, men were slightly older when released (37.36 years) than were women (35.13 years). Differences within sample categories were also seen. For example, among both the male and female treatment subjects, those who were discharged for disciplinary reasons (DAP-discharges) or had withdrawn (DAP-incomplete subjects) tended to be younger than were the subjects in the remaining categories. The average age among disciplinary discharges was 34.03 years for men and 31.34 years for women. Men who dropped out of treatment and women who complete treatment were among the oldest at the time they were released from prison (38.78 and 36.19, respectively).

Education

Male subjects reported having a higher level of education (12.16 years, on average) than did female subjects (11.57 years, on average), with 32 percent of males having education beyond the 12th grade or General Education Development (GED), compared to 23 percent of females (*see* Tables 1 and 2). Among men, DAP comparison subjects were the most educated (12.41 years) while the groups reporting the lowest education levels were those receiving disciplinary discharges (11.67 years) or those who had withdrawn from treatment (11.68 years). There was more variation in education levels among women, with non-DAP comparison subjects comprising the highest percentage with more than 12 years of education (38 percent) and subjects discharged from treatment for disciplinary reasons having the lowest percentage of education beyond high school (5 percent).

Criminal/Incarceration History

Tables 3 and 4 present two items describing subjects' criminal and incarceration histories: history of one or more prior commitments, and age at first commitment. The latter item is based on self-report data while the first comes from official records.

A prior commitment was defined as having been sentenced to confinement in any type of criminal justice facility for any period of time in the past. Across all subject categories, men were much more likely to have been previously committed than were women (69 percent of males, and 40 percent of females). Among men there was very little variation on this item—between 67 percent and 76 percent of all groups had a prior commitment. Among women, however, the percent with a prior commitment ranged between 32 percent (non-DAP comparisons) to 56 percent (DAP-incomplete subjects).

Male subjects were about three years younger than women when first committed, 26.65 years and 29.92 years, respectively. Men who received a disciplinary discharge from treatment were the youngest at first commitment (22.4 years) as were women in this group (26.78 years). Among men, the subjects who dropped out of treatment were the oldest at first commitment (28.17),

while the oldest women at first commitment were non-DAP comparison subjects (32.19).

Employment History

Tables 5 and 6 present self-report data on male and female subject employment histories.

The first item in the tables contains information on the subjects' employment status in the month prior to their current incarceration. Subjects were asked a series of questions designed to determine the various sources of financial support during this month. Subjects who had worked at all during the month were coded as "full- or part-time." Subjects who were unemployed for legitimate reasons such as retirement or disability were coded as "not in labor force." Homemakers also were coded as "not in labor force." Subjects who were unemployed and seeking work during this month were coded as "looking for work." The remaining subjects were given a code denoting "miscellaneous" for their employment statuses. This last category included subjects who were unemployed because their income was derived from illegal activities, subjects who had never worked, and subjects who were unemployed for other reasons.

Male subjects were more likely than were female subjects to have been employed during the month before their incarcerations, 55 percent and 40 percent, respectively. For men, there was more variation between groups, with 63 percent of those unable to complete treatment being employed prior to incarceration, compared to only 36 percent of those who dropped out of treatment. Among women, non-DAP comparisons were most likely to be employed (44 percent) and those discharged from the DAP for disciplinary reasons were least likely to have a job prior to incarceration (35 percent). Women were twice as likely to be legitimately unemployed than men (8 percent for women versus 4 percent for men). Women also had a greater likelihood of having a "miscellaneous" employment status than men (43 percent versus 32 percent, respectively). Nine percent of both men and women reported that they were looking for work.

Subjects were asked, "Did you ever support yourself *mainly* from illegal activity for at least one year?" Thirty-nine percent of both male and female subjects answered affirmatively. For both men and women, those receiving a disciplinary discharge from treatment were the most likely group to have supported themselves from illegal activity (52 percent of males and 58 percent of females). The lowest proportion of males supporting themselves in this manner was for DAP-dropouts (33 percent), while for females it was non-DAP comparison subjects (23 percent).

When asked if they had ever been unemployed for more than 30 days, a smaller proportion of men (66 percent) than women (76 percent) reported being unemployed. Among males, non-DAP comparisons were the most likely to have been unemployed more than 30 days (71 percent) and subjects who were unable to complete DAP were the least likely (48 percent). For the females, however, DAP-incomplete subjects were the most likely (84 percent) to have been unemployed, while DAP comparisons were the least likely (71 percent).

Drug Use and Drug Treatment History

Tables 7 and 8 present information on pre-incarceration self-report drug use patterns and drug treatment history for the 1,842 male and 473 female research subjects. These tables also contain self-report information on spouses' drug problems.

Type of Drug(s) Used on a Daily Basis Before Arrest

In our previous report on 6-month outcomes, findings were reported on the type and frequency of drugs used by subjects during their heaviest use period prior to their most recent incarceration. Since that report we further assessed how best to summarize drug use history. There is no research which provides clear guidelines on how to categorize drug use information in studying treatment outcomes. In addition, the limited literature shows little consistency in which drugs, in which combinations (at the same time), with which frequency, recency, and with what duration are used as predictor or control variables. Nonetheless, the different measures ranging from frequency of use during baseline periods ranging from 6 months to 5 years, type of drug use, number of years of use, etc., are generally found to be related to post-treatment outcomes (Anglin et al., 1996; Etheridge et al., 1999; Gerstein et al., 1997; Hser, Anglin, and Fletcher, 1998; Martin et al., 1999; Messina, Wish, and Nemes, 1999; Schildhaus et al. 1998). We conducted correspondence analyses (Blasius, 1994) to help determine what dimensions of drug use are associated with the recidivism and drug use outcome measures. Analyses were conducted for seven major drug categories and included the following dimensions of drug use history: frequency of use, recency of use, drug combinations, and drug dependence. We did not find clear patterns of association for recidivism. However, we found that recency of drug use, regardless of the type of drug, seemed to be the dimension most associated with later drug failure. Therefore, we categorized subjects according to the type of drug used on a daily basis in the year before arrest. We selected drug categories which differentiated users of hard drugs (e.g., any illegal drug except marijuana) from users of soft drugs (e.g., marijuana) and also provided an indicator of severity – polydrug use of hard drugs. Aside from the categories for no daily drug use and daily use of alcohol only, the other categories differentiate those who also used alcohol from those who did not. The other three categories subdivided into alcohol and no alcohol use were daily use of marijuana only (e.g., soft drug only), daily use of one hard drug, and daily use of two or more hard drugs.

To assess subjects' frequency of drug use during the year prior to the incarceration during which they were interviewed, the following "screening" question was asked for each of a number of drugs: "Did you use any of these drugs the year before your arrest?" If inmates responded "no" to the screening question for a particular drug, no further questions were asked about that drug. When inmates responded "yes" to this question, they were then asked:

"In the year before your arrest, on average how often did you use this drug?"

4 or 5 times a day

2 or 3 times a day
daily or almost every day
5 or 6 times a week
3 or 4 times a week
1 or 2 times a week
1 to 3 times a month
less than once a month

In order to make the tables more concise, response categories and drug categories were condensed. As mentioned in the table footnote, “hard drug” was defined as any illegal drug except marijuana. The “Missing” values are the sums of those subjects for whom we have no data on the drug used or the frequency with which drugs were used in the year before incarceration.

As can be seen in Table 7, the response category with the highest proportion across all subject groups was “no daily use” of any drug in the year before arrest. Thirty-eight percent of male subjects had no daily drug or alcohol use in the year before their most recent arrest, with the highest proportion being DAP-dropouts (50 percent) and the lowest proportion being DAP-discharges (27 percent). Men who *did* use a drug on a daily basis were most likely to drink alcohol only (18 percent). The only groups for whom this was not the case were DAP-dropouts and DAP-discharges, who were most likely to use one hard drug without alcohol (16 percent and 17 percent, respectively). All subject types, with the exception of those who dropped out of treatment, were least likely to use two hard drugs with alcohol (only 4 percent overall). When subject types and response categories were further aggregated, it can be seen that a higher percentage of treatment than comparison subjects used one or more hard drugs daily during the year before arrest (31 percent of treatment subjects as compared to 24 percent of comparisons). In fact, for all four treatment categories, the percentage of men using one or more hard drugs was equal to or higher than the percentage using marijuana and/or alcohol. This trend was reversed for comparison subjects, with a higher proportion reporting daily alcohol and/or marijuana use (37 percent) than hard drug use.

Table 8 shows that 32 percent of female subjects did not use drugs on a daily basis in the year before arrest, a figure which is slightly lower than that for males. Again, this response category comprised the largest proportion of subjects across all groups, although comparison subjects were more likely than subjects receiving treatment to refrain from daily drug use during this time. In contrast to men, women overall were most likely to use one hard drug without alcohol (22 percent) and least likely to use marijuana and alcohol together (3 percent). When response categories are aggregated, the data show that female treatment and comparison subjects were more than twice as likely to use one or more hard drugs in the year before their incarceration (48 percent) than they were to use marijuana and/or alcohol (only 20 percent). This finding was especially pronounced for those who were discharged from the DAP for disciplinary reasons and for inmates withdrawing from treatment—these subjects were three or more times as likely to use hard drugs than they were to use alcohol and/or marijuana. Although not shown in these tables,

the hard drug used most often by both males and females was heroin, followed by crack and cocaine.

Drug Problem of Spouse

Twenty-three percent of male subjects reported that their spouse, at some time, had a drug problem (*see* Table 7). There was very little variation across the various subject groups. Female subjects, however, were more than twice as likely than male subjects to have a spouse with a drug problem (55 percent). Women also demonstrated more variation in their responses across groups, with DAP-completers having the highest proportion (63 percent) and DAP comparisons having the lowest proportion (45 percent). Among the women, treatment subjects were more likely than comparisons to report that their spouse had a drug problem.

Drug and Alcohol Treatment History

Tables 7 and 8 also present self-report data on the percent of male and female subjects who had previously received treatment for drug or alcohol use. Subjects were asked, “Excluding now, did you ever get any treatment that was primarily for the use of or addiction to drugs/alcohol?” Self-help groups such as Alcoholics Anonymous and Narcotics Anonymous were not considered to be treatment.

The findings are fairly consistent for men and women – 34 percent of men and 39 percent of women previously received drug treatment, and 6 percent of men and 4 percent of women had previous alcohol treatment. Regardless of gender, treatment subjects had a greater likelihood of having had prior treatment for drugs and/or alcohol than did comparison subjects.

Psychiatric Diagnoses/ Past Mental Health Treatment

Tables 9 and 10 contain information relating to the mental health of male and female subjects. Two sets of variables are displayed in these tables: lifetime psychiatric diagnoses of antisocial personality and depression, and history of previous mental health treatment.

With respect to the psychiatric diagnoses of antisocial personality and depression, the majority of male and female subjects in all groups except DAP-discharges had no psychiatric diagnosis – 54 percent of men and 51 percent of women. Antisocial personality disorder only was more prevalent among men (30 percent) than women (16 percent), and was highest for men who received a disciplinary discharge from the DAP (43 percent). There was an equal proportion of men (8 percent) diagnosed with depression alone and depression combined with antisocial personality disorder. Women, on the other hand, were more than twice as likely as men to have a lifetime diagnosis of depression without antisocial personality (19 percent for women versus 8 percent for men) and nearly twice as likely to exhibit depression and antisocial personality together (14 percent for women versus 8 percent for men). Among women, the female DAP-

discharge group had the highest likelihood of being diagnosed with antisocial personality disorder only (44 percent).

The response to the question, “Did you ever get treatment for your emotions, nerves, or your mental health...?” are also reported in Tables 9 and 10. Any mental health treatment or counseling inmates received prior to the current incarceration was included. Overall, half as many males as females received prior mental health treatment, 20 percent versus 40 percent, respectively. For men, the proportions across groups were similar. However, there was greater variation among women. Women who were DAP disciplinary discharges were the most likely to have had past treatment for mental health problems at 55 percent, and DAP completers were the least likely at 35 percent.

Institutional Adjustment

Tables 11 and 12 present information on inmates’ adjustment to prison life as measured by misconduct, employment in UNICOR (Federal Prison Industries), and participation in vocational training.

Disciplinary Infractions Before Release

Information was gathered from SENTRY regarding the number of serious acts – 100 and 200 level incidents – and drug-related incidents of misconduct committed in the 6 month period prior to release. The 100 level infractions included prohibited acts such as killing, assault, possession, use or introduction of a weapon or drugs, setting a fire, rioting, hostage taking, or escape from a higher security level facility. The 200 level infractions included behaviors such as fighting, theft, destruction of property, making sexual proposals, possession of intoxicants, threatening bodily harm, or escape from a lower security level facility. Drug-related incidents included use, possession or introduction of drugs, drug items, or intoxicants into an institution, refusal to take a drug or alcohol test, or misuse of authorized medication. For inmates released to a CCC, only serious incidents occurring within 6 months *before* transfer to the CCC were examined.² Two categories of disciplinary infractions are reported in Tables 11 and 12: 100 and 200 level incidents, and drug-related incidents.

Thirteen percent of male subjects and ten percent of female subjects committed a 100 or 200 level prohibited act within 6 months of release, and ten percent of males and seven percent of females were involved in a drug-related incident. Looking across the various subject categories among men and women, subjects who were discharged from DAP for disciplinary reasons were

² These measures are not mutually exclusive. The various indicators are examined because each is used as a predictor for a different outcome measure. For example, we use drug-related incidents as a predictor of post-release drug use and we use serious incidents as a predictor of recidivism.

most likely to have committed either type of disciplinary infraction. This was particularly true for males, where 31 percent of DAP-discharges were found guilty of a 100 or 200 level incident and 24 percent were found guilty of a drug charge. We note that BOP policy provides for disciplinary transfer as a possible sanction for drug related incidents and such action automatically results in a disciplinary discharge from DAP. Since sanctions are not decided by drug treatment staff, it is not surprising that those with a disciplinary discharge have a higher infraction rate. Men who dropped out of treatment were the least likely to have been involved in misconduct of either type. This was true as well for females committing drug offenses; however, non-DAP comparison subjects were the least likely among women to have been involved in a 100 or 200 level incident.

Work Assignment/Training Received During Incarceration

Data was also gathered from SENTRY on the percent of time inmates worked in UNICOR (Federal Prison Industries) during their incarceration and whether they participated in vocational training (VT) while incarcerated. Tables 11 and 12 show that men worked in UNICOR only slightly longer than women – 10.26 and 9.04 percent, respectively, of their total length of incarceration. For both males and females, DAP comparison subjects worked in prison industries the longest (13.14 percent of the time for males and 11.95 percent for females) and those who did not complete treatment worked the shortest amount of time (3.8 percent for males and 2.63 percent for females).

Men also had a somewhat greater likelihood of receiving vocational training while in prison than did women, 33 percent versus 28 percent. For men, DAP-completers were most likely to participate (39 percent) and non-DAP comparisons were least likely (21 percent). Although a large proportion of females who completed treatment were involved in vocational training (37 percent), the group with the highest percentage involved in vocational training was the DAP-incomplete group (52 percent). Women who dropped out of treatment had the lowest proportion (14 percent) participating in vocational training.

Year Off Sentence Provision

As mentioned in Chapter 5, the 1994 Violent Crime Control and Law Enforcement Act (VCCLEA) provided the Bureau an incentive for inmate participation by allowing up to a one year sentence reduction for inmates without a history of violence who successfully completed a residential Drug Abuse Treatment Program. Tables 13 and 14 depict the percentage of male and female inmates who were housed at a treatment site at a time after the passage of VCCLEA. It is quite apparent that a much lower percentage of men were at a treatment site after passage of VCCLEA than women – 15 percent of men and 36 percent of women. This discrepancy is a result of the fact that most of the female treatment sites were not initially included in the project and were therefore selected at a later point in time (*see* discussion on history of TRIAD subject selection in Chapter 5). Among men, treatment subjects were less likely to have the year off

provision available (12 percent) than were DAP comparisons (37 percent). This finding held true for females as well, with 72 percent of DAP comparisons and only 27 percent of treatment subjects having the sentencing reduction available.

CCC Placements

This section presents information on release from prison through a Community Corrections Center (CCC) placement. The dates of placement were obtained from SENTRY but other elements were obtained from a questionnaire completed by CCC staff upon each subject's release from that facility.

The CCC survey contained questions regarding the subject's CCC completion status, employment during placement, participation in any educational programs, participation in transitional services or other drug treatment, the number of urinalysis tests administered, the number of positive urinalysis tests, and — for positive tests — the dates of the tests and the types of drugs for which the tests were positive.

Tables 15 and 16 demonstrate that of the 2,315 subjects in this analysis (1,842 men and 473 women), 73 percent of the men and 77 percent of the women received CCC placements. Regardless of gender, over 80 percent of subjects who completed DAP treatment were released through a CCC. Subjects, both men and women, discharged from treatment for disciplinary reasons were least likely to go to a CCC (57 percent of men and 65 percent of women).

Men had a greater likelihood of failing to complete their halfway house placement than did women – 21 percent of men compared with 15 percent of women. Men receiving a disciplinary discharge from DAP (37 percent) and women who dropped out of treatment (33 percent) demonstrated the greatest likelihood of failing. The most common reason for failing a CCC placement for both men and women was drug or alcohol use or possession (59 percent of the men who failed did so for these reasons, as did 68 percent of the women).³ When collapsing subject categories into treatment and comparison only, men had an almost equal proportion of treatment as comparison subjects failing their placement for drug or alcohol reasons (about 58 percent); women, however, had a larger proportion of comparison subjects (73 percent) than treatment subjects (62 percent) failing to complete their CCC placement for these reasons.

It should be noted that in Tables 15 and 16, one reason for CCC failure is listed as “Accountability,” and subjects who failed for this reason usually were cited as having unexcused absences from the CCC. Another category, “Violation of CCC rules,” comprises subjects who were cited for committing any of a variety of transgressions. These transgressions include

³ This represents the sum of the first four reasons listed as reasons for failing CCC placement.

gambling, acting disruptively, refusing to obey an order, failing to find a job, engaging in sexual acts, being in an unauthorized area, driving without permission, and leaving work without authorization. The “Other” category encompasses the following reasons for failure: possession of a weapon in the treatment program, commission of new crime, arrest, violation of the transitional services program rules, and commission of one or more other objectionable acts.

Tables 17 and 18 show that 98 percent of the subjects who went to a CCC, both males and females, were tested for drug or alcohol use during their placement, with very little variation across subject groups. Fourteen percent of the men who were tested and nine percent of the women who were tested had a positive test during their stays at a CCC. Both men and women who were discharged from DAP for disciplinary reasons were the most likely to test positive, 33 percent and 13 percent respectively. The tables also list the drugs for which subjects tested positive. The most common drug used by subjects while housed in a CCC was cocaine (37 percent of men and 48 percent of women), followed by alcohol (26 percent of men and 18 percent of women testing positive.) Other drugs with a high percentage of positive urinalysis tests were marijuana for men (21 percent) and benzodiazepines and opiates for women (9 percent each).

Although not presented here, information regarding the subjects’ placements into home confinement was collected from SENTRY as well. Thirty-one percent of the men and 42 percent of the women received periods of home confinement as part of their CCC placement. The average length of time in home confinement for both men and women was nine weeks.

Post-Release Supervision

U.S. Probation officers were asked in telephone interviews to enumerate the contacts they had with supervised subjects. Personal contacts were made between the Probation officer and the releasee at the U.S. Probation office, at the releasee’s home or place of work, or by telephone. Collateral contacts were made between the Probation officer and others involved with the releasee, such as family members and employers. Tables 19 and 20 show the average number of personal and collateral contacts during the first 6 months after release. Both rates are fairly consistent for men and women across subject categories, with collateral contacts showing more variation between groups. Among men, subjects completing treatment had the highest rate of personal contacts while DAP comparison subjects and DAP-discharges had the highest rate of collateral contact. For the women, non-DAP comparisons had the greatest amount of contact of either type with Probation officers.

These tables also show the average monthly rate of urinalysis testing performed on subjects by Probation officers during the first 6 months of supervision. The average number of drug tests was approximately 2 ½ tests per month across all subject types and across gender.

Post-Release Treatment Services and Cohabitation Status

Tables 21 and 22 present information on the 2,315 supervised subjects' participation in post-release drug and alcohol treatment, participation in self-help groups, and cohabitation status. This information was obtained from interviews with U.S. Probation officers.

Drug and Alcohol Treatment and Self-Help Participation

Upon examination of these tables, we see that female subjects were more likely to receive drug and/or alcohol treatment in the first 6 months after release from prison than were male subjects (52 percent of women and 44 percent of men). Among both men and women who received post-release treatment, individual treatment was most prevalent. Twenty-five percent of the men and 31 percent of the women received individual treatment only. In general, treatment subjects were more likely than comparison subjects to receive individual treatment.

Women (23 percent) were also more likely than men (18 percent) to participate in self-help groups such as Alcoholics Anonymous, Narcotics Anonymous, and the like. Participation in these groups can be voluntary or is required by the Probation officer. Men who completed treatment and women who withdrew from the DAP were most likely to have participated in these groups, at 20 percent and 44 percent, respectively.

Cohabitation Status for Supervised Subjects

Twenty-two percent of the male subjects who were supervised lived with a spouse, 17 percent with a common-law spouse, and 61 percent with neither. Those subjects who fell into the "neither" category were either living alone or with one or more of the following: children, parents or guardians, relatives, friends (non-relatives), or unspecified others. Males who were unable to complete drug treatment were most likely to live with a spouse or common-law spouse (a total of 52 percent), and males discharged from the DAP were least likely to do so (29 percent).

Thirteen percent of the female subjects who were supervised lived with a spouse, 11 percent with a common-law spouse, and 76 percent with neither. In general, female comparison subjects were more likely to live with a spouse or common-law spouse than were treatment subjects.

Post-Release Offenses

Post-release arrests were examined for subjects released to supervision. Arrests for these individuals were categorized into arrests for a new offense and revocation for a violation of one or more conditions of supervision. We also provide information on the type of new offense. The "Other" category included offenses such as arson, kidnaping, gambling, prostitution, liquor violations, obstructing justice, disturbing the peace, child neglect or cruelty, treason, extortion, or firearms violations.

Of 1,842 male subjects released to supervision, 34 percent were arrested for a new offense during the first 3 years after their release, 21 percent were revoked from supervision, and 45 percent had neither a new arrest nor a revocation (*see* Table 23). Subjects least likely to be re-arrested were treatment completers, at 50 percent. DAP-dropouts showed the greatest likelihood of committing a new offense (53 percent), and subjects unable to complete the DAP were most likely to be revoked (26 percent). The most common new crimes committed by men were traffic-related, drug-related, and violent offenses in nearly equal proportions (12 to 13 percent).

Of the 473 female subjects released to supervision, 17 percent were arrested for a new offense, another 17 percent had their supervision revoked, and 66 percent were not arrested (*see* Table 24). The majority of female subjects in all groups except DAP-discharge were not arrested during the post-release follow-up period. Female subjects receiving a disciplinary discharge from treatment were most likely to commit a new offense (40 percent), while those subjects unable to complete treatment were most likely to have their supervision revoked (31 percent). Twelve percent of females committing a new crime were charged with offenses falling into the “Other” category, ten percent with drug-related offenses, and nine percent with traffic offenses. Women were less than half as likely as men to commit a violent crime (5 percent and 12 percent respectively).

Post-Release Drug Use

Tables 25 and 26 present information on drug use for subjects during the 3-year period of post-release supervision. The percentages in the “Drug Use” sections of the tables include subjects who had a positive urinalysis, refused a urinalysis test or missed such a test, admitted using either illicit drugs or alcohol to their Probation officers, or had a positive alcohol breathalyzer reading. The male and female subjects differed in their overall likelihood of using drugs while on supervision, with men of all subject categories being more likely to use drugs than women (54 percent and 42 percent, respectively). Among men, the DAP-discharge group was most likely to have used illicit drugs or alcohol – 67 percent – and those completing the DAP were least likely – 49 percent. Among women, those who were unable to complete treatment showed the greatest likelihood of using drugs during supervision (55 percent), whereas DAP-dropouts demonstrated the lowest likelihood of doing so (33 percent). Female comparison subjects and DAP-completers had approximately equal proportions who used drugs during the follow-up period, at around 40 percent.

Across gender and subject type, the most common method of detection was the urinalysis test. Men were slightly more likely to miss a test or to stall, and slightly less likely to admit drug use than were women. For both sexes, the drug detected in a positive urinalysis test most often was cocaine (44 percent for men and 55 percent for women), followed by marijuana (29 percent for men and 19 percent for women). A higher percentage of women than men in all subject groups used cocaine, with 55 percent of women overall testing positive as compared to 44 percent of men. Males showed a greater likelihood of testing positive for marijuana, at 29 percent overall compared to 19 percent of females. Approximately the same percentage of men and women

tested positive for more than one drug, 9 percent of the men and 8 percent of the women.

Post-Release Employment

Post-release employment data obtained from Probation officers are reported in Tables 27 and 28. Thirty-six percent of the male subjects who were being supervised were employed full-time for the entire supervision period, and another 45 percent were employed full-time for a portion of that time period.⁴ Seven percent of males were employed part-time, either for the entire time period or for at least some portion of that time. The 3 percent of male subjects who fell into the “ineligible” category were either involved in a school program, retired or disabled. The 9 percent of men who were unemployed fell into one or more of the following categories: looking for but not finding work, not looking for work, not working because involved in drug treatment, temporarily unemployed for medical reasons, or absconded from supervision (with the Probation officer unable to verify employment).

Women were less likely than men to work full-time for the entire period (21 percent), although a higher proportion worked full-time (53 percent) or part-time (12 percent) during this period. A similar percentage of female subjects (5 percent) were “ineligible”: we note that in addition to the reasons stated above for men, this category also included women who were not working due to domestic or child care responsibilities. Nine percent of women were unemployed during the entire supervision period, a percentage equal to that of men. The tables also show that for both sexes, subjects who completed treatment were the most likely group to be employed either full or part-time. Both men and women who were discharged from the DAP for disciplinary reasons were least likely to be employed, 17 percent and 15 percent, respectively.

These tables also present information on subjects’ employment rate. This measure was calculated by dividing the number of hours subjects worked each week by the number of hours “available” to work, defined as 40 hours multiplied by the number of weeks each subject was “on the streets”. Once again, men had a higher employment rate (.68) when compared with women (.59). DAP-completers of both sexes had the highest employment rate – .72 for men and .65 for women – when compared to all other subject types, while DAP-discharges had the lowest employment rate – .56 for men and .45 for women.

Summary

The description of our research sample provided above indicated both similarities and differences across gender and subject type. Although treatment subjects were, in general, more likely than

⁴ The coding of post-release employment excluded time an individual was not supervised or was incarcerated. Thus, we excluded the following categories: time after the completion of supervision if the supervision was terminated before the end of three years, time the individual was incarcerated for a new offense or for a detainer, and time an individual absconded.

comparison subjects to use hard drugs in the year prior to their incarceration and to have received prior drug and/or alcohol treatment, they had higher post-release employment rates and a smaller percentage were arrested while under supervision. Among the treatment groups, subjects discharged from drug treatment for disciplinary reasons stood apart from the other groups on a number of items. These subjects tended to be less educated and younger at age of first commitment and when released from prison. They were more likely to have supported themselves through illegal means and to have used hard drugs on a daily basis in the year before incarceration. In addition, the DAP-discharge group had the highest proportion of subjects diagnosed with antisocial personality disorder. During incarceration they had the greatest tendency to commit serious acts of misconduct, and upon release they had the lowest employment rate and the highest proportion who used drugs. Among the two non-treatment subject groups – DAP comparison and non-DAP control groups – there were, in general, few substantial differences.

The greatest similarities between men and women were on items pertaining to level of supervision after release. There was little or no variation across gender on the following items: the percent receiving CCC placements, the percent tested for drug use while residing in a CCC, the length of time spent in home confinement, the average number of post-release contacts with Probation officers – personal and collateral– , the rate of urinalysis testing while under supervision, and the method used to detect drug use.

On a variety of other measures, particularly background characteristics, gender differences were apparent. When compared with females, the profile of incarcerated males in our sample who had a history of drug use was as follows: they were more educated, more likely to have a previous commitment, younger at age of first commitment, older when released from custody, and they had a higher incidence of antisocial personality disorder without depression. Men were also more likely to have been employed prior to incarceration and less likely to have been unemployed for more than one month at some point during this time. While in prison they participated in vocational training more often and worked in Federal Prison Industries a greater amount of time than did women. However, men had a greater likelihood of becoming involved in misconduct in the 6 months before release, failing to complete their CCC placements, and having positive urinalysis tests while at the halfway house.

The female subjects in our sample reported more daily use of hard drugs in the year prior to arrest, had a greater incidence of depression and past treatment for mental health problems, and were more likely to have had a spouse who also had a drug problem. Upon release to the community, women were more likely to successfully complete their CCC placement and were more likely to be placed on home confinement. Women, although they were less likely to use drugs after release, showed a greater tendency toward cocaine and opiate use during the supervision period. Women were also more likely than men to participate in self-help groups and to receive drug and/or alcohol treatment during supervision.