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**PROGRAM LEVEL EVALUATION OF
ASAP DIAGNOSIS, REFERRAL AND
REHABILITATION EFFORTS**

**Volume IV - Development of the Short
Term Rehabilitation (STR) Study**

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16. Abstract The present report discusses the development, implementation, and current status of the Short Term Rehabilitation (STR) Study initiated by the NHTSA in 1974. Experimental designs employed by each of the 11 ASAP/STR sites for the assignment of mid-range problem drinker drivers to STR treatment or control groups are described. Preliminary efforts to consolidate the individual site designs into a set of program level designs are also discussed. The STR data system which incorporates initial client intake data as well as 6, 12, and 18 month client follow-up interview and record check data is also described. Preliminary analyses designed to provide a set of life change criteria for use in assessing the effectiveness of STR rehabilitation modalities are presented. These analyses have been applied to the Life Activities Interview to yield five life status factors including: Alcohol Use, Income/Employment, Socialization/Social Activity, Family/Marital Status, and Physical Health Factors. Scales of the Current Status Questionnaire (CSQ) and Personality Assessment Survey (PAS) instruments are also presented.					
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METRIC CONVERSION FACTORS

Approximate Conversions to Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
LENGTH				
in	inches	*2.5	centimeters	cm
ft	feet	30	centimeters	cm
yd	yards	0.9	meters	m
mi	miles	1.6	kilometers	km
AREA				
in ²	square inches	6.5	square centimeters	cm ²
ft ²	square feet	0.09	square meters	m ²
yd ²	square yards	0.8	square meters	m ²
mi ²	square miles	2.6	square kilometers	km ²
	acres	0.4	hectares	ha
MASS (weight)				
oz	ounces	28	grams	g
lb	pounds	0.45	kilograms	kg
	short tons (2000 lb)	0.9	tonnes	t
VOLUME				
tsp	teaspoons	5	milliliters	ml
Tbsp	tablespoons	15	milliliters	ml
fl oz	fluid ounces	30	milliliters	ml
c	cups	0.24	liters	l
pt	pints	0.47	liters	l
qt	quarts	0.95	liters	l
gal	gallons	3.8	liters	l
ft ³	cubic feet	0.03	cubic meters	m ³
yd ³	cubic yards	0.76	cubic meters	m ³
TEMPERATURE (exact)				
°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C

*1 in = 2.54 (exact). For other exact conversions and more detailed tables, see NBS Misc. Publ. 286, Units of Weights and Measures, Price \$2.25, SD Catalog No. C13.10:286.

Approximate Conversions from Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
LENGTH				
mm	millimeters	0.04	inches	in
cm	centimeters	0.4	inches	in
m	meters	3.3	feet	ft
m	meters	1.1	yards	yd
km	kilometers	0.6	miles	mi
AREA				
cm ²	square centimeters	0.16	square inches	in ²
m ²	square meters	1.2	square yards	yd ²
km ²	square kilometers	0.4	square miles	mi ²
ha	hectares (10,000 m ²)	2.5	acres	
MASS (weight)				
g	grams	0.035	ounces	oz
kg	kilograms	2.2	pounds	lb
t	tonnes (1000 kg)	1.1	short tons	
VOLUME				
ml	milliliters	0.03	fluid ounces	fl oz
l	liters	2.1	pints	pt
l	liters	1.06	quarts	qt
l	liters	0.26	gallons	gal
m ³	cubic meters	35	cubic feet	ft ³
m ³	cubic meters	1.3	cubic yards	yd ³
TEMPERATURE (exact)				
°C	Celsius temperature	9/5 (then add 32)	Fahrenheit temperature	°F

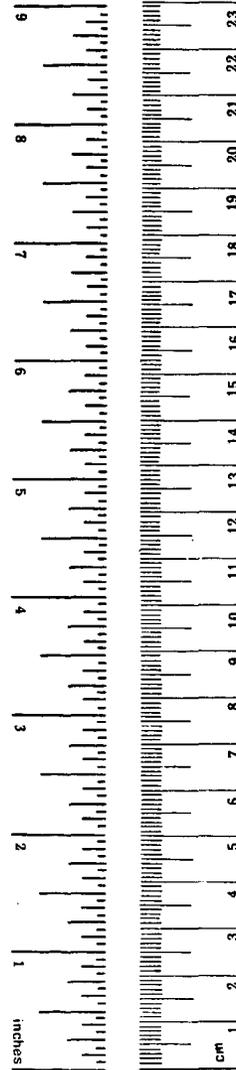
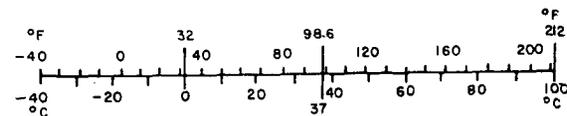


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BACKGROUND

Despite the fact that a major objective of the NHTSA's Alcohol Safety Action projects was to provide an empirical test of the effectiveness of alcohol safety countermeasures, several important factors prevented project and program level efforts from performing definitive assessments of the effectiveness of rehabilitation modalities. First, the prerequisite conditions for sound experimental design were not present in most of the ASAP rehabilitation systems, in that adequate no-treatment control groups were not available to provide a basis for tests of treatment effectiveness (the Phoenix, Arizona; and Nassau County, New York, projects were notable exceptions). Secondly, the treatment modalities included as elements of individual projects' rehabilitation systems were ordinarily selected, from among the particular set of alcohol treatment alternatives which existed in the ASAP community, on the basis of the capacity and willingness of treatment agencies to accept ASAP referrals. Little effort was expended in the design or selection of treatment programs to match the requirements of the involuntary court referral system established by ASAP, or even in the detailed description of the characteristics of individual treatment programs which were utilized as referral resources. Finally, the criterion of success used to assess the effectiveness of alternative rehabilitation systems was generally restricted to a measure of rearrest recidivism. While this measure is an important effectiveness criterion for a traffic safety program, it is subject to a number of measurement problems which restrict its usefulness as an index of treatment effectiveness (particularly as the sole index of effectiveness).

The presentation of a relatively new alcohol treatment program called Power Motivation Training at the 1972 ASAP Rehabilitation Seminars initiated a series of important changes in the implementation and evaluation of ASAP rehabilitation countermeasures. PMT, which was developed by McBer and Company alcohol treatment researchers, represented an alcohol treatment program based on a distinct set of theoretical principles, and consisting of a well defined and carefully described set of therapeutic procedures. PMT had been the subject of a considerable

amount of research¹² and represented a short term treatment modality which did not depend upon highly trained professional therapists, and which could be readily implemented within ASAP rehabilitation systems.

NHTSA took advantage of the interest in Power Motivation Training as an ASAP treatment countermeasure, and began the development of a model rehabilitation evaluation program which utilized PMT as a principal treatment alternative. During 1973 efforts were made to initiate a large scale experimental design which would have involved five sites using PMT as a treatment alternative, and which would also employ random assignment procedures for the assignment of individuals to either PMT or no-treatment control groups. McBer and Company, under a contract to NHTSA, provided training in the use of PMT to four therapists at each of five ASAP sites, but only one of these sites continued the use of PMT. The principal problems which prevented continuing activity in the other four sites appeared to be related to the fact that in some instances the wrong individuals had been trained as PMT instructors, and a general lack of coordination existed between the ASAPs and treatment agency personnel.

During 1974, NHTSA expended considerable effort in the development of a revised experimental design for a large scale "PMT Study" which involved eight ASAP sites including:

Denver, Colorado
Phoenix, Arizona
San Antonio, Texas
South Dakota
New Orleans, Louisiana
Hennepin County, Minnesota
Kansas City, Missouri
Fairfax County, Virginia

McBer and Company, under their contract with NHTSA, trained 60 PMT therapists at these eight sites, in preparation for

¹Boyatzis, R. E. Drinking as a manifestation of power concerns. Paper presented at the Ninth International Congress on Anthropological and Ethnological Sciences, Chicago, August, 1973.

²Cutter, H. S., McClelland, D. C., Boyatzis, R. E., and Blancy, D. D. The effectiveness of power motivation training for rehabilitating alcoholics. McBer and Company, Boston, 1975.

the initiation of the large scale PMT Study in early 1975. (A detailed account of the implementation of PMT may be found in the McBer and Company final report, Boyatzis, 1976.)³ During the same time period the University of South Dakota, under the present contract, was charged with the responsibility for the development of a system to collect, monitor and process data from the PMT sites, and to develop instruments with which to measure client life change which could be used as indices of treatment effectiveness. The experimental design which was developed for this study provided for the random assignment of mid-range problem drinkers at each site to either PMT or a control group (no-treatment condition).

The PMT Study was formally begun during the first one-half of 1975. During this time period McBer and Company provided PMT training for an additional nine PMT therapists at two ASAP sites and provided supplementary training and consultation to therapists who had been trained previously. The life change measurement instruments (Life Activities Inventory - LAI) developed under the present contract were introduced to interviewers and coordinators of the PMT sites at a special workshop conducted in Denver, Colorado, in April, 1975. This data collection package was to be used at initial assignment of clients to the study, and at follow-up contacts 6, 12, and 18 months after random assignment to treatment or control groups. At this point in time the name of the study was changed from the PMT Study to the Short Term Rehabilitation (STR) Study. This change reflected the fact that several treatment alternatives in addition to PMT were included in the experimental designs of several of the original PMT sites, and also reflected the participation in the program level study of the New Hampshire; Oklahoma City; and Tampa, Florida ASAPs. Although these sites do not utilize PMT as a rehabilitation modality, each site does employ a random assignment procedure which provides for the establishment of no-treatment control groups. The total of 11 STR sites had assigned approximately 3,900 clients (most of whom are mid-range problem drinkers) to specific treatment or no-treatment groups by March 31, 1976. Each of these clients was interviewed at the point of assignment, using the LAI instruments, and each is expected to receive 6, 12, and 18 month follow-up interviews.

³Boyatzis, R. E. Implementation of power motivation training as a rehabilitation countermeasure for DWIs. McBer and Company, Boston, Final Report for Contract DOT-HS-350-3-707, Feb., 1976, Report No. DOT-HS-801-834.

The present volume describes the current status of the STR effectiveness evaluation effort including discussion of program level experimental designs, development and implementation of the STR data system, and preliminary development of effectiveness criteria.

DESIGN OF THE STR STUDY

The Short Term Rehabilitation Study was developed by NHTSA to provide an empirical demonstration of the effectiveness of short duration, court supervised rehabilitation programs for DUI offenders. Two major criteria were imposed on the ASAP sites selected to participate in this large scale field experiment. First, it was necessary that adequate no treatment comparison groups were included in the experimental design for each site and that true random assignment procedures were employed to select clients for membership in treatment and no-treatment groups. Secondly, it was required that provision be made for the extensive, long-term follow-up of individuals assigned to treatment and no-treatment groups.

Figure 1 presents an idealized illustration of the STR Study design which served as the model for the development of site specific designs at each of the eleven final STR sites. It must be noted that this ideal model does not precisely characterize the actual design for any one STR site, nor the program level design resulting from the amalgamation of individual site designs. Practical constraints involved with the development of operationally feasible experimental arrangements at each of the sites have resulted in substantially more complicated evaluation designs at both project and program levels

INDIVIDUAL SITE DESIGNS

Prior to consideration of program level experimental designs and analyses, it would appear useful to summarize the individual experimental arrangements utilized by each of the participating ASAP sites. The designs presented in this section represent the site designs as of the completion of the initial intake of clients to the STR Study.

Denver, Colorado

Treatment Alternatives. Three STR modalities are included in the Denver STR design shown in Figure 2. The "minimum exposure" group represents the "no-treatment" alternative employed by this site. This modality consists of a single four-hour session attended by an average of 15 clients. The minimum exposure program is a primarily educational program which employs films, lecture and class discussion procedures.

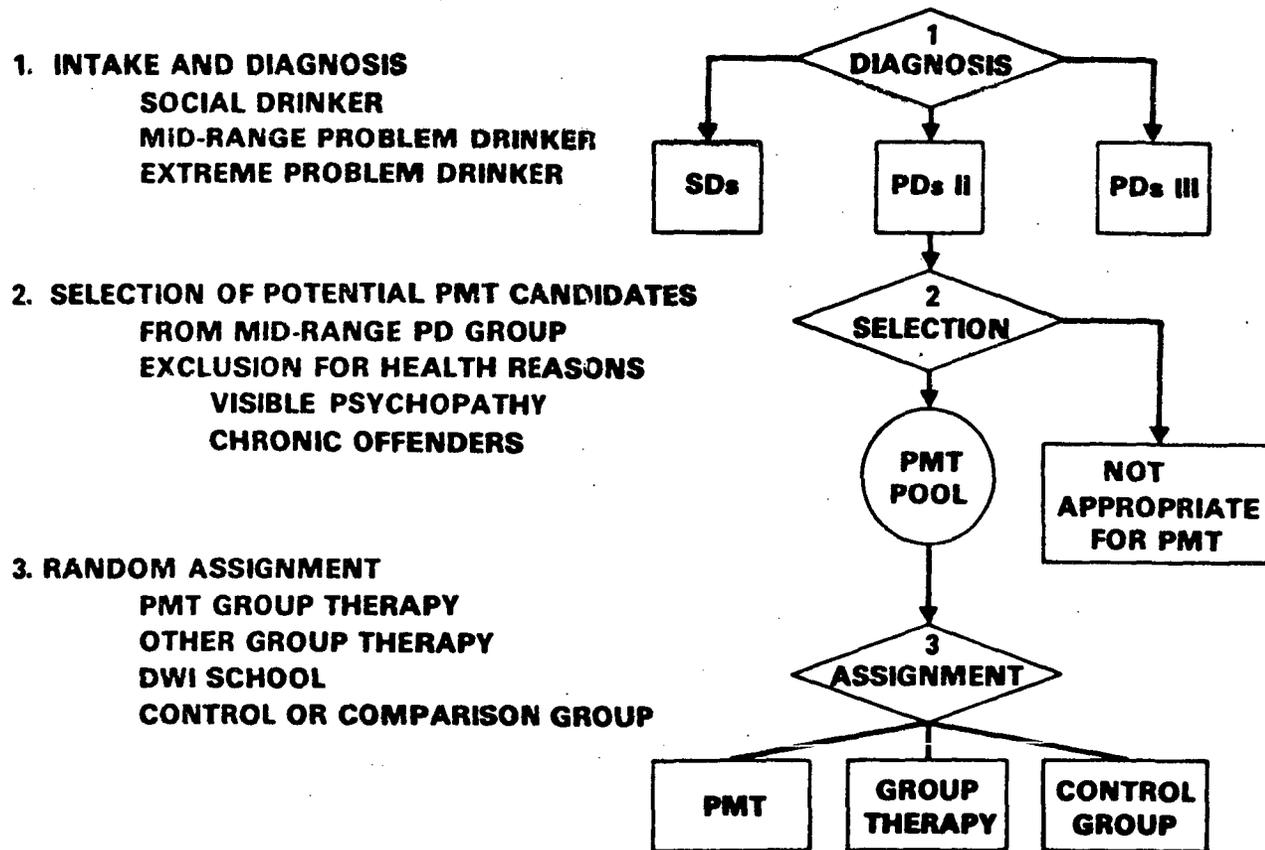
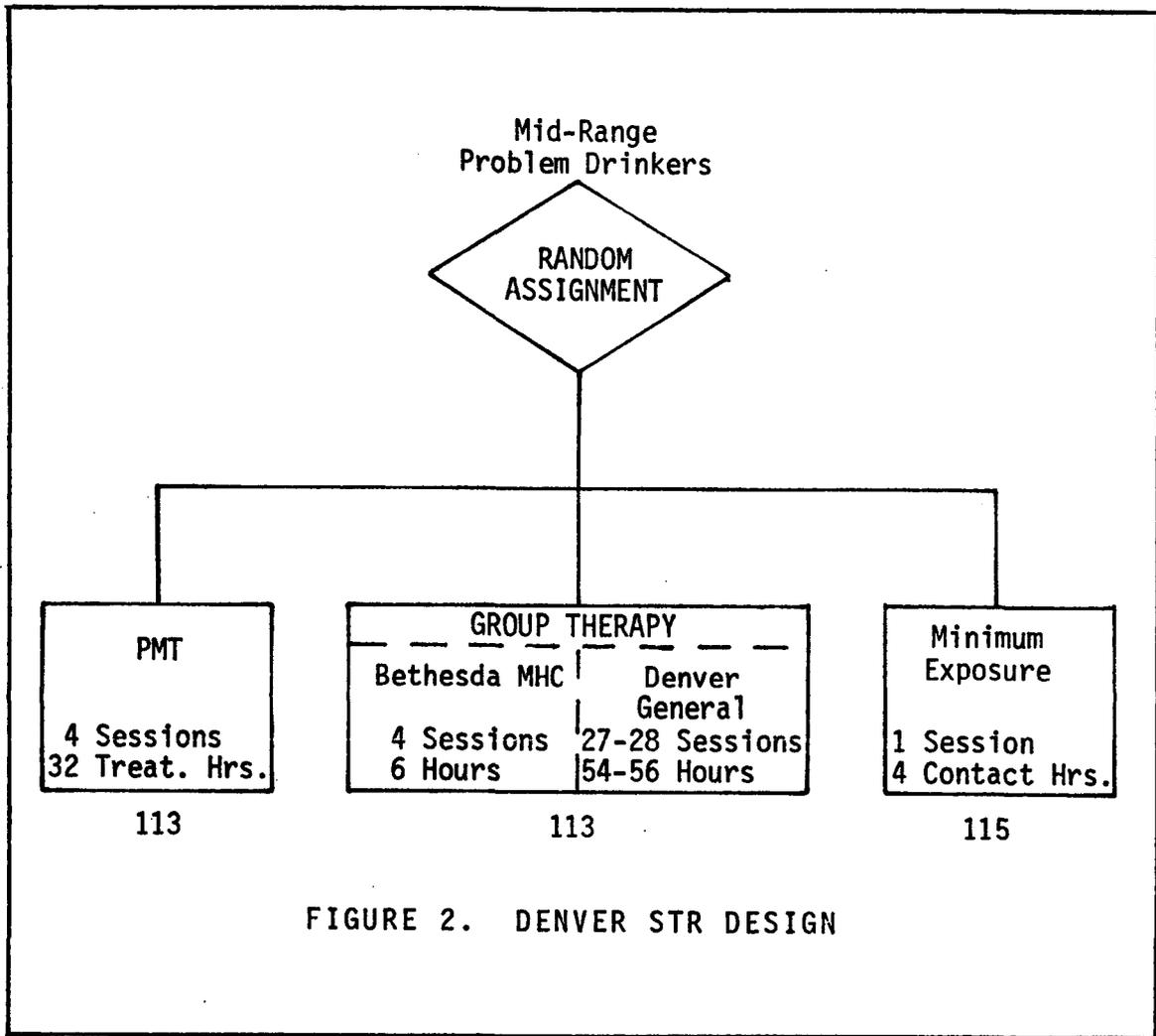


FIGURE 1. STR EVALUATION DESIGN



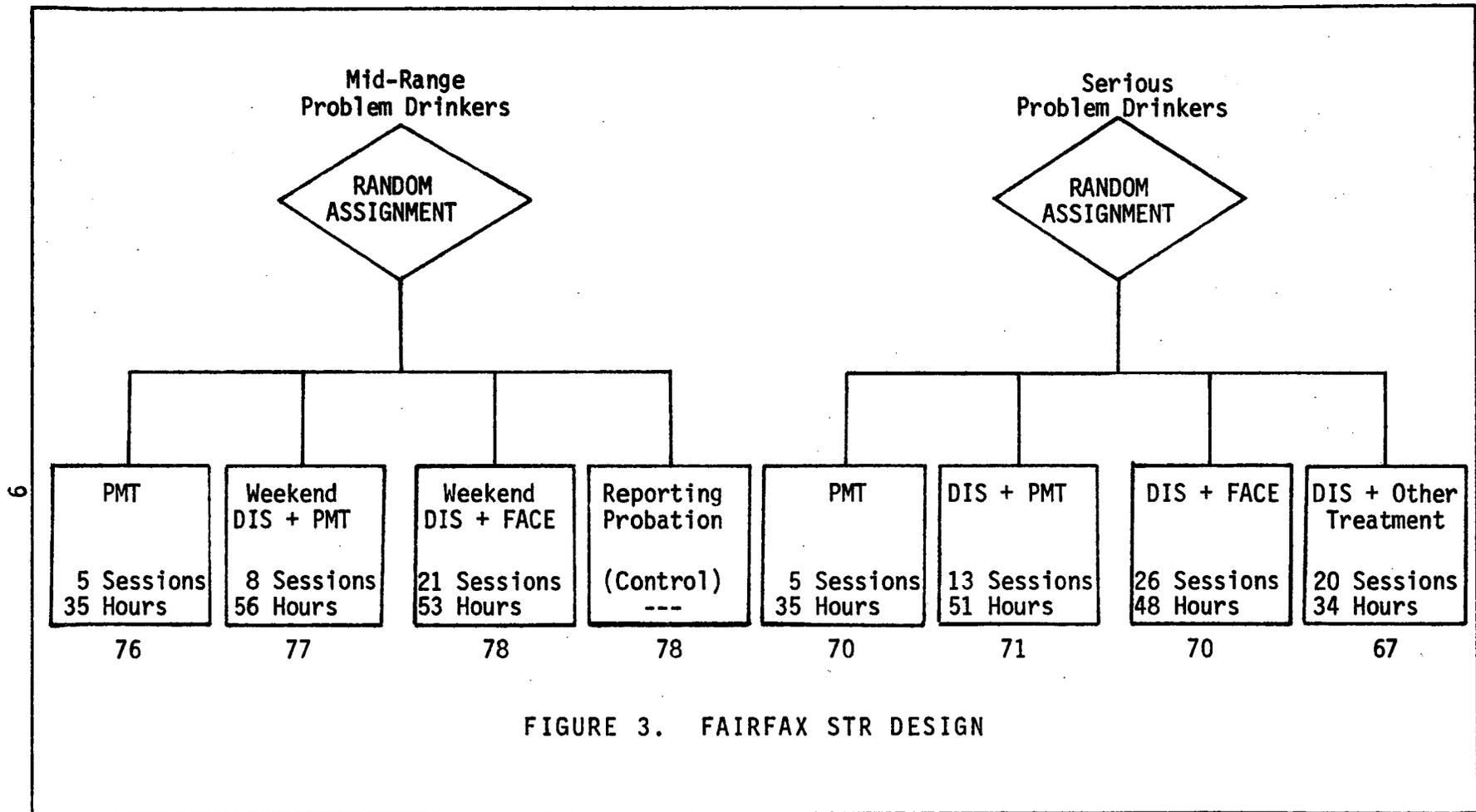
Power Motivation Training (PMT) is employed as an STR modality at the Denver site. PMT is conducted on the weekend model with four eight-hour sessions scheduled in two consecutive weekends. Responsibility for the conduct of the PMT sessions is rotated between the Denver General Hospital and the Bethesda Mental Health Center on a regular basis. PMT groups are made up of an average of 17 clients, and each group is led by three certified PMT instructors.

The third STR modality employed in the Denver design is "traditional treatment." This modality is administered by both Denver General Hospital and the Bethesda Mental Health Center on a rotating basis and in actuality consists of two distinctly different treatment programs. The Denver General Alcohol Education program consists of approximately 28 weekly sessions of approximately two hours duration. An average of six to seven clients per group are led by two counselors. The Bethesda Alcohol Education program, on the other hand, consists of only four weekly sessions of 90 minutes duration. This program serves an average of 12 to 35 clients with a series of lectures which concludes with an Alcoholics Anonymous orientation talk by an AA member.

Assignment Procedures. Mid-range male problem drinkers are considered eligible for STR assignment within the Denver design. Diagnosis is made on the basis of the Mortimer-Filkins Questionnaire, a Drinking History Questionnaire, and a personal interview. Clients categorized as mid-range problem drinkers on the basis of this pre-screening process are sequentially assigned to the three alternative treatment conditions in the order that they are referred from the probation department. Client participation in treatment is a condition of a non-reporting probation term of six months to one year.

Fairfax, Virginia

Treatment Alternatives. The Fairfax STR design is illustrated in Figure 3. STR assignment groups at this site involve a variety of treatment combinations which involve five separate treatment programs. The no-treatment control group within the Fairfax design involves assignment to reporting probation only. Clients assigned to this group report once a month for a brief interview with their probation officer during the six month term of the probation period.



PMT is used as a single modality for both mid-range and serious problem drinkers, and also in combination with the Weekend Driver Improvement School (mid-range problem drinkers) and with Driver Improvement School (serious problem drinkers). PMT is administered in four eight-hour sessions on two consecutive weekends, with a single follow-up session of approximately three hours duration. An average of 16 clients per session are led by two certified PMT instructors. Each client is assessed a fee of \$60 for participation in this treatment modality.

Weekend Driver Improvement School involves a marathon weekend session (9:00 a.m. - 9:00 p.m., Saturday; and 9:00 a.m. - 2:00 p.m., Sunday) plus one follow-up session. Total duration of this treatment amounts to 21 contact hours. An average of 18 clients per session are instructed by two counselors. A \$60 fee is assessed to clients participating in this modality.

Driver Improvement School consists of eight weekly sessions of two hours duration each. An average of 15 clients are served by a single instructor. Clients are charged a \$30 fee for this modality, which is primarily educational in orientation.

FACE is a combination educational/group therapy oriented modality which consists of ten sessions meeting twice weekly for two and one-half hours each session. During the five week program the client will be exposed to 25 contact hours. An average of 15 to 18 clients per program are led by a single alcoholism counselor. The fee for this modality is \$60.

"Other treatment" refers to a variety of alcohol clinics which receive ASAP/STR referrals. The primary referral resources within this category are the Fairfax Division of Alcoholism Services, and the Washington Hospital Center. The Fairfax Division of Alcoholism Services treatment program typically involves weekly one and one-half hour sessions for a minimum of 12 weeks. Treatment is apparently oriented toward group therapy provided by either alcohol counselors or social workers. The Washington Hospital Center treatment program involves approximately six weeks of didactic instructional group meetings, followed by about sixteen weeks of group therapy/counseling sessions. Clients are apparently scheduled for weekly one and one-half hour sessions during the course of their treatment program.

Assignment Procedures. Male Level II (mid-range) and Level III (serious problem drinkers) clients are considered

eligible for assignment within the Fairfax STR design. Diagnosis is accomplished by inspection of criminal and driving records, and through a group intake procedure in which a group of approximately ten clients are interviewed in a group setting by the intake worker. Three drinker classifications are utilized by this project: Level I, Level II, and Level III drinkers. The latter two categories are included within the STR design.

Following diagnosis, Level II and Level III drinkers are randomly assigned to treatment or no-treatment groups by the use of a set of randomly assorted cards, each of which contains one of the four treatment program designations for that particular drinker type. Assignment options for Level II drinkers are: PMT Only, Weekend Driver Improvement School plus PMT, Weekend Driver Improvement School plus FACE, and Probation Only (No-treatment control group). Assignment groups for Level III drinkers are: PMT Only, Driver Improvement School plus PMT, Driver Improvement School plus FACE, and Driver Improvement School plus "Other Treatment."

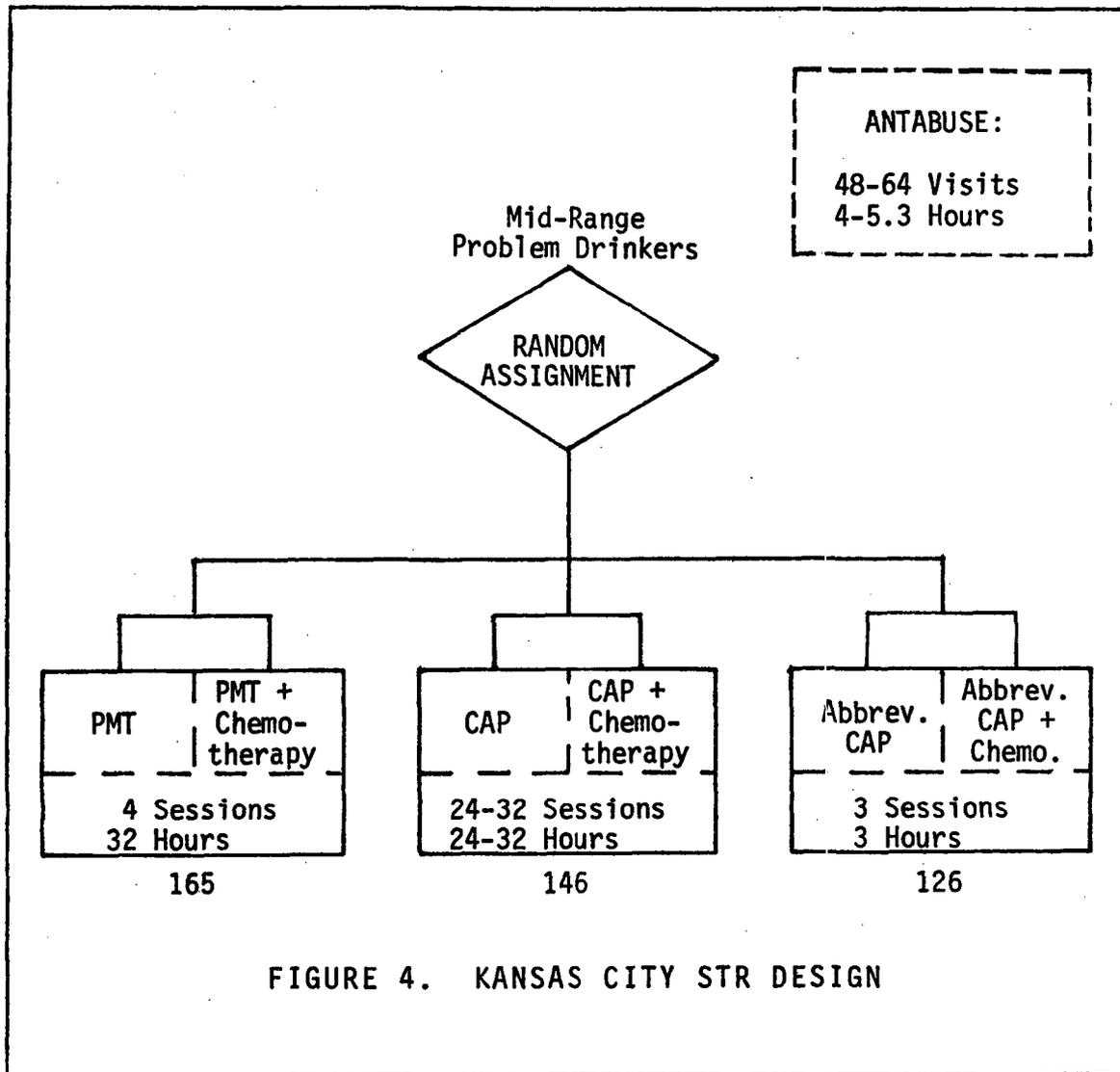
Kansas City, Missouri

Treatment Alternatives. The Kansas City STR design is shown in Figure 4. Three primary treatment alternatives are provided in this design, with each of these three treatment groups further subdivided on the basis of the presence or absence of concurrent referral by the courts to a chemotherapy (disulfiram) program.

Abbreviated CAP (Community Alcohol Programs) is the "minimum exposure" comparison group within the Kansas City design. This modality consists of three one-hour weekly sessions taught by a single instructor. An average of 15 clients are assigned to each of these sessions, and each client is assessed a \$30 fee.

PMT is conducted in two two-day sessions (8 hours per session) on consecutive weeks, with a follow-up session held 30 days later. An average of 15 clients are exposed to this treatment sequence which is conducted by two certified PMT instructors. Clients are assessed a \$60 fee.

CAP Group Counseling consists of from 24 to 32 weekly one-hour sessions spanning a 6 to 8 month period. A single alcoholism counselor directs each group of approximately 15 members. Clients assigned to this modality are charged a \$60 fee.



Chemotherapy is occasionally used in conjunction with each of the three primary treatment modalities. The duration of the chemotherapy program is from six to eight months, during which time clients report twice weekly for disulfiram administration by a registered nurse. Although the initial STR design for Kansas City anticipated approximately 60 clients per primary treatment group to be assigned to disulfiram treatment under court referral, in practice substantially fewer clients have been exposed to this modality.

Assignment Procedures. In Kansas City those individuals convicted of DUI who are identified as problem drinkers are referred by the court to Community Alcohol Programs (CAP) for counseling. Of those clients referred to CAP, all male clients whose ticket number is an odd number are screened by the STR coordinator to determine their eligibility for assignment to the STR Study. Screening criteria include:

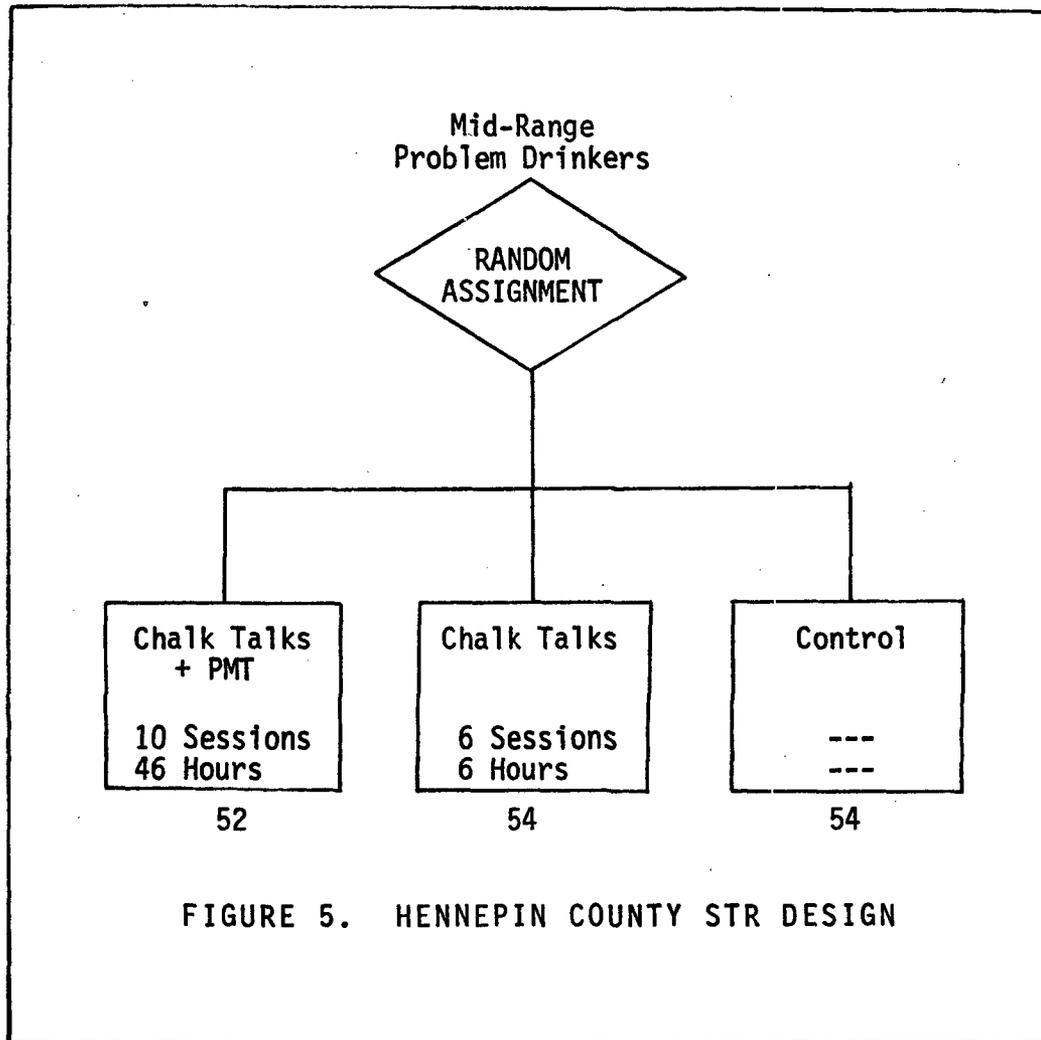
- a. Diagnosis as Level II (mid-range) problem drinker,
- b. Literacy,
- c. Age between 18 and 55,
- d. Physical and psychological capability to participate in treatment programs,
- e. Residence within ASAP jurisdiction, and
- f. Availability for weekend workshops and follow-up interviews.

Eligible clients are randomly assigned to modalities by means of a shuffled deck of cards containing assignments. Kansas City STR clients are all placed on probation for a one to two year period (usually two years).

Hennepin County, Minnesota

Treatment Alternatives. The STR design for Hennepin County is illustrated in Figure 5. Two separate treatment modalities are employed by this site, in addition to a no-treatment control condition. The no-treatment control group is exposed only to follow-up interviews during its 18 month term of probation.

Chalk Talks consist of a total of six one-hour lectures which are scheduled in the 60 day period following referral. Each lecture is the responsibility of a single instructor.



PMT involves four ten-hour sessions conducted by two certified PMT instructors. An average of six clients are assigned to each PMT sequence. PMT is combined with Chalk Talks as an STR assignment condition in the Hennepin County design.

Assignment Procedures. Mid-range problem drinkers are eligible for the STR Study within this project. Clients who meet this criterion are randomly assigned to the three STR groups: Probation Only, Chalk Talks Only, and Chalk Talks plus PMT. Random assignment is by means of sealed envelopes.

New Orleans, Louisiana

Treatment Alternatives. The New Orleans design is shown in Figure 6, and involves six referral groups. Probation only, no-treatment conditions are utilized for both mid-range and serious problem drinkers in this project. During the 18 month probationary term the control group subjects are expected only to be available for follow-up data collection.

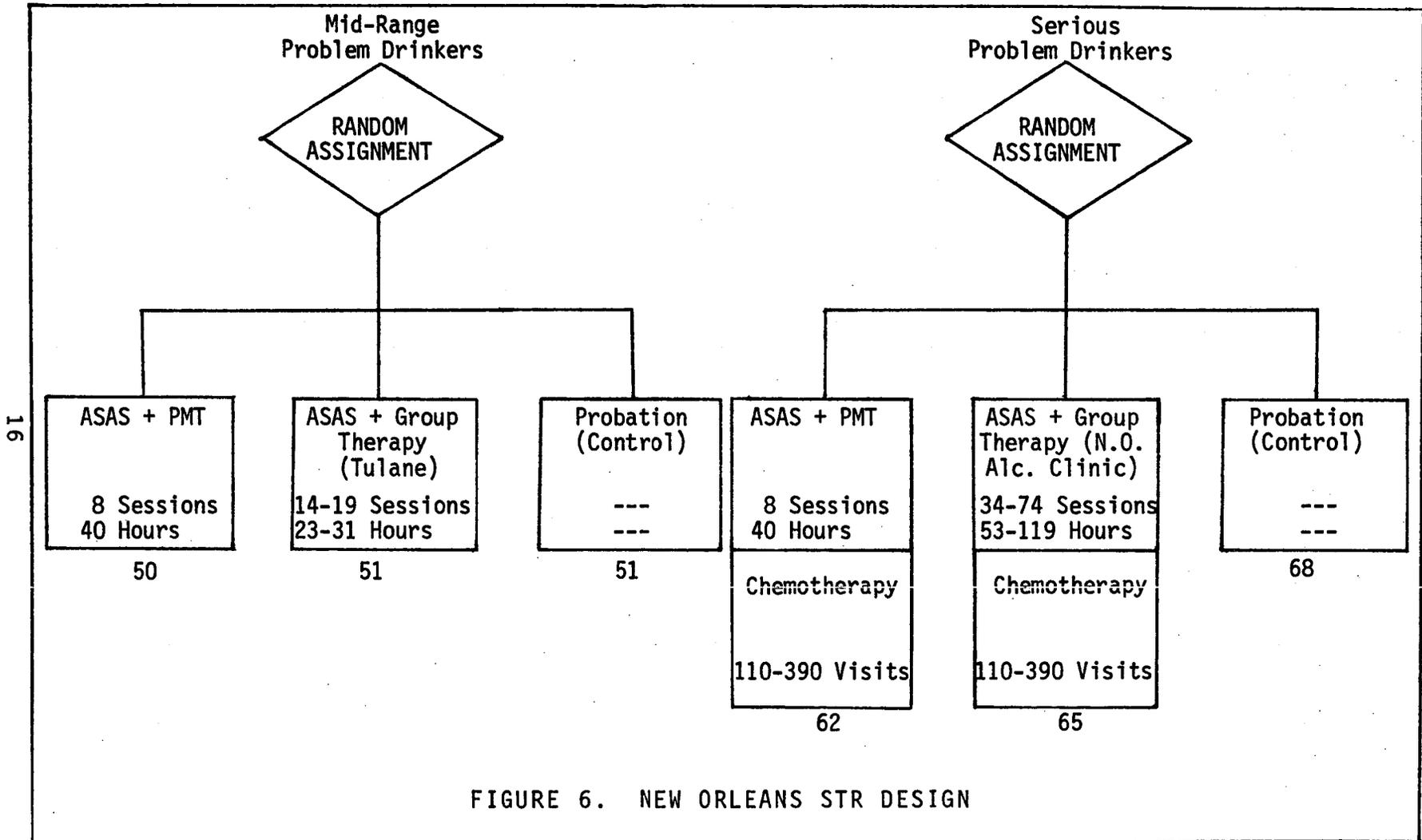
Alcohol Safety Action School is used in conjunction with each of the New Orleans treatment modalities. ASAS is a four session program which meets for two hour sessions two days a week for two weeks. The average session is attended by 40 clients who are led by two instructors.

PMT is used as a treatment modality for both mid-range and serious problem drinkers. PMT is conducted in four eight-hour sessions on two consecutive weekends. An average of eleven clients are led by two certified instructors.

The New Orleans Alcoholism Clinic Group Therapy program is utilized for serious problem drinkers. From 30 to 70 weekly 90-minute sessions are provided during a seven to nine month period subsequent to referral. An average of ten clients per group are led by a single therapist.

The Tulane Group Therapy program is designed for mid-range problem drinkers. Ten to fifteen weekly 90-minute sessions are required during the three month period subsequent to referral. Each group consists of an average of ten clients who are led by two therapists who are graduate students in the Tulane School of Social Work.

Chemotherapy (disulfiram) is utilized as an adjunct to both of the serious problem drinker treatment referral options. This treatment program requires daily visits to a clinic to receive a prescribed dose of disulfiram.



Total duration of treatment ranges from five to eighteen months.

Assignment Procedures. Drinker diagnoses are performed by the probation office. Those male clients diagnosed as mid-range (excessive drinkers) or serious problem drinkers and who are neither illiterate nor emotionally disturbed are eligible for STR assignment. Mid-range problem drinkers are randomly assigned by the use of a sealed envelope procedure to one of the following treatment options: probation only, ASAS + Tulane Group Therapy, or ASAS + PMT. Serious problem drinkers are randomly assigned by the same procedure to: probation only, ASAS + Chemotherapy + Group Therapy, or ASAS + Chemotherapy + PMT.

Phoenix, Arizona

Treatment Alternatives. The Phoenix design, which consists of three referral alternatives, is shown in Figure 7. Home Study is the Phoenix "minimum exposure" condition and consists of a single twenty-five minute session during which clients are required to complete a short self-administered questionnaire. Clients are issued a programmed learning guide and a packet of reading materials, and are asked to complete and return by mail, assignments from this packet. No other contact is required of this group.

Therapy Workshops consist of six bi-weekly sessions of two and one-half hours duration each. An average of ten clients per group are directed by a single counselor during this group therapy program.

PMT is conducted in four nine-hour sessions held on two consecutive weekends. An average of 15 clients attend each PMT program led by two certified instructors.

Assignment Procedures. Most DWI defendants in Phoenix are permitted to plead guilty to a lesser charge by entering into a PACT agreement which stipulates referral to ASAP coordinated rehabilitation. Diagnostic screening using records check information, a demographic questionnaire and screening instruments is conducted for each individual participating in the PACT program. On the basis of these results, mid-range problem drinkers (excluding women) are eligible for the STR Study. Clients were then randomly assigned to one of the three STR alternatives: Home Study, Therapy Workshops, or PMT. Random assignment was effected by computer generated tables.

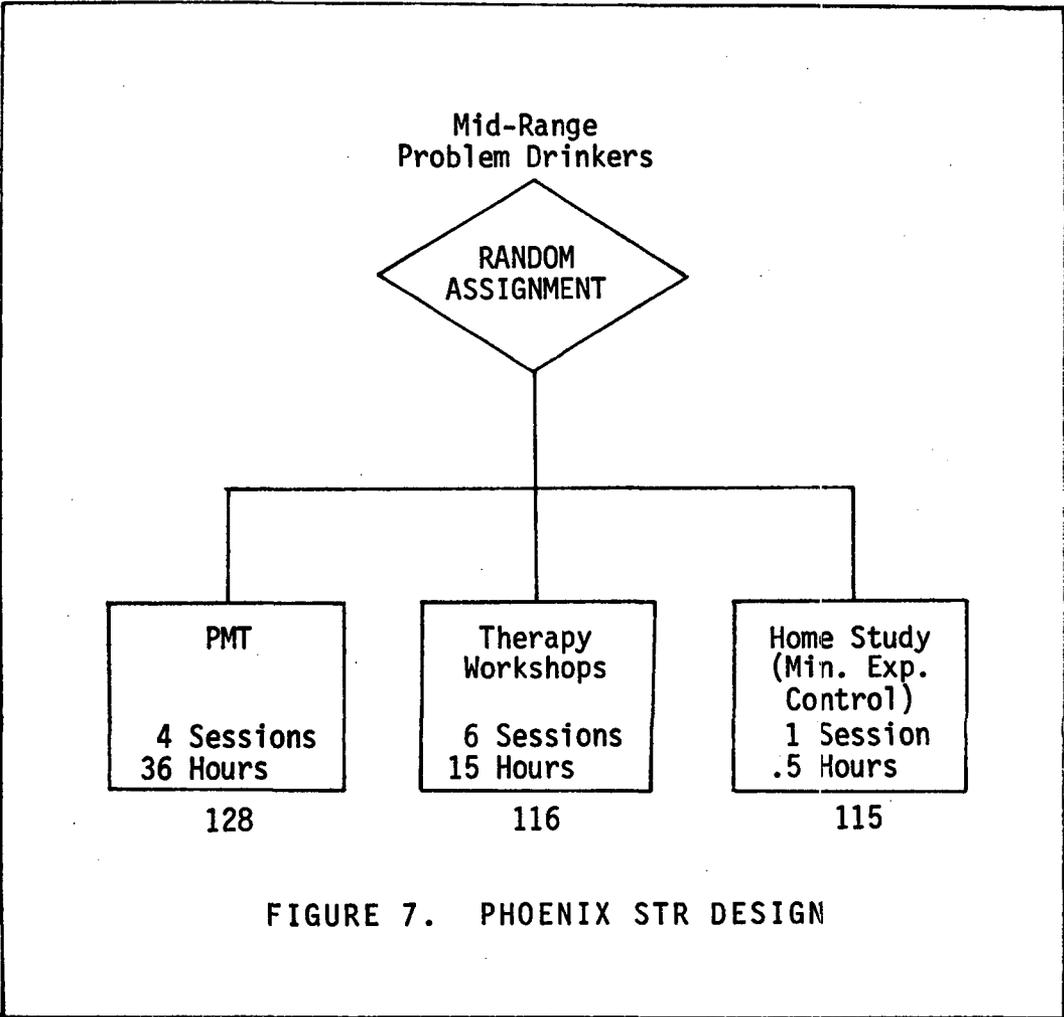


FIGURE 7. PHOENIX STR DESIGN

San Antonio, Texas

Treatment Alternatives. The STR design for the San Antonio project is illustrated in Figure 8. The no-treatment control group within this design is exempt from any participation in a treatment program. Control group clients are placed on probation which requires monthly fifteen-minute interviews with the probation officer, in addition to the follow-up interviews in connection with the STR Study.

The Alcoholic Treatment Program (ATP) involves a variety of treatment alternatives from which a specific program is developed for each client. The total duration of treatment is approximately six months. Individual Therapy involving weekly one-hour sessions for eight weeks (eight week renegotiable contracts) are utilized for clients who are not appropriate for group counseling, or who cannot schedule participation in group therapy sessions. The primary alternative used within ATP is Group Counseling which is also administered in eight week modules with weekly sessions of one to two hours duration. Short Term Family Therapy modules are also used for some clients.

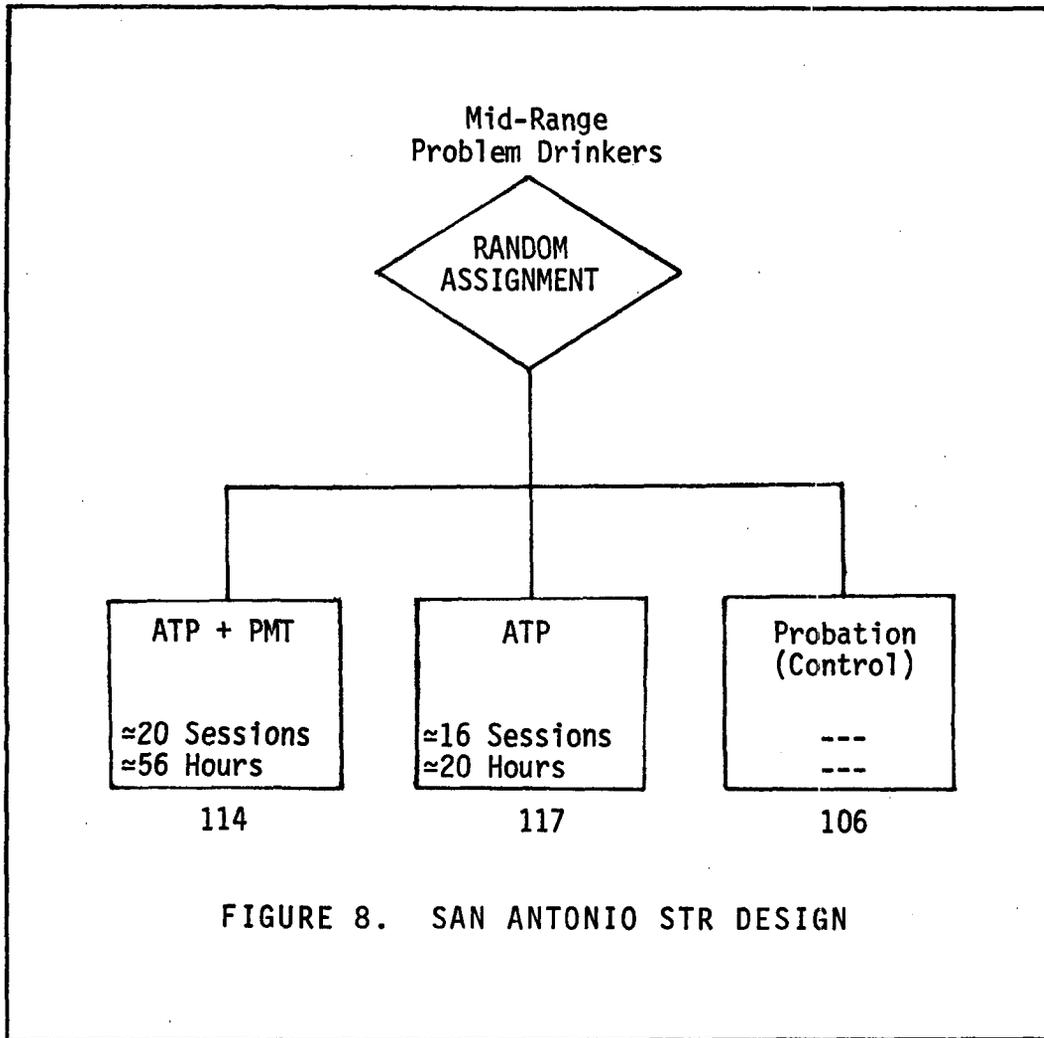
PMT utilizes the weekend model with the four nine-hour sessions scheduled on two consecutive weekends. An average of fifteen clients per PMT session are led by two certified PMT instructors. PMT is always combined with an ATP referral in this project.

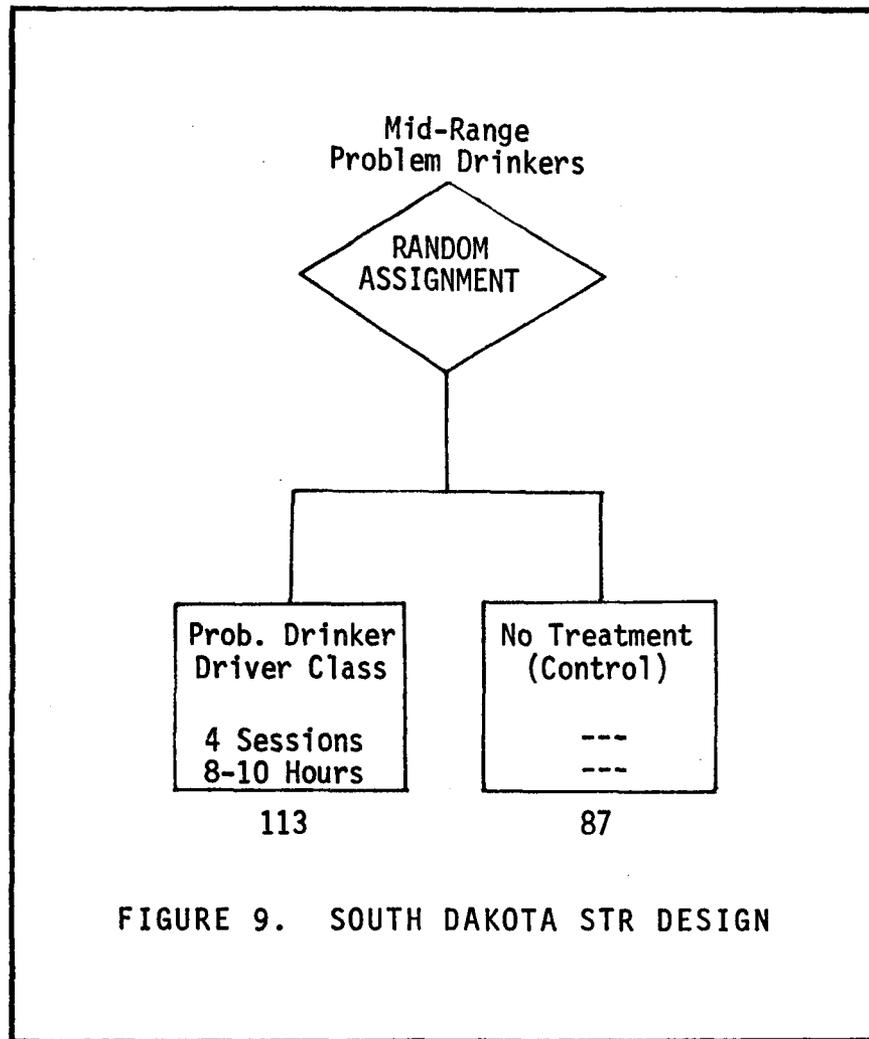
Assignment Procedures. Drinker diagnosis is accomplished by the San Antonio ASAP Problem-Drinker Evaluation Center. Mid-range male problem drinkers who are literate, non-alcoholic, and who are not severely emotionally disturbed are considered eligible for STR assignment. Eligible candidates are asked to volunteer for participation in the study, and volunteers are randomly assigned to one of the three alternatives: Probation Only, ATP, or ATP + PMT. Assignments were made by drawing cards.

South Dakota

Treatment Alternatives. A single treatment alternative is available in the South Dakota design which is illustrated in Figure 9. The control group for this project is exempt from treatment referral and is contacted only for the purpose of follow-up data collection.

Problem Drinker Driver Classes (PDDC) is a four session alcohol safety school which is taught by a single instructor twice weekly during a two week period.





Assignment Procedures. Drinker diagnosis is accomplished by ASAP courtworkers who utilize the Mortimer-Filkins Questionnaire and Interview, records check and personal interviews to classify individuals convicted of DWI as: social drinkers, problem drinkers, serious problem drinkers, or chronic alcoholics. Clients classified as problem drinkers and serious problem drinkers (mid-range problem drinker categories) are considered eligible for assignment to the STR Study. Eligible mid-range problem drinkers were then randomly assigned (using a computer generated assignment designation) to either PDDC or the no-treatment control group.

New Hampshire

Treatment Alternatives. The New Hampshire design is shown in Figure 10. The control group receives no rehabilitation referral and is expected only to be available for follow-up data collection.

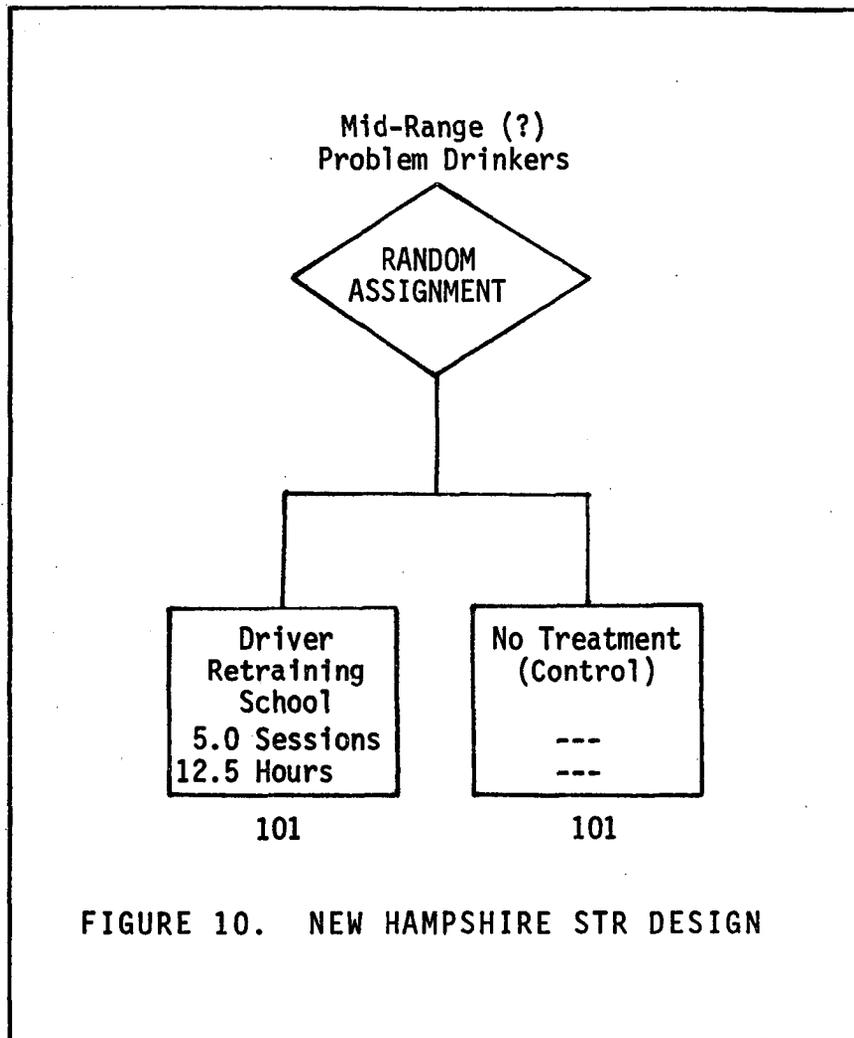
The Driver Retraining School is a five session alcohol safety school which meets weekly for two and one-half hour sessions. An average of 12.5 clients attend each session which is led by one instructor.

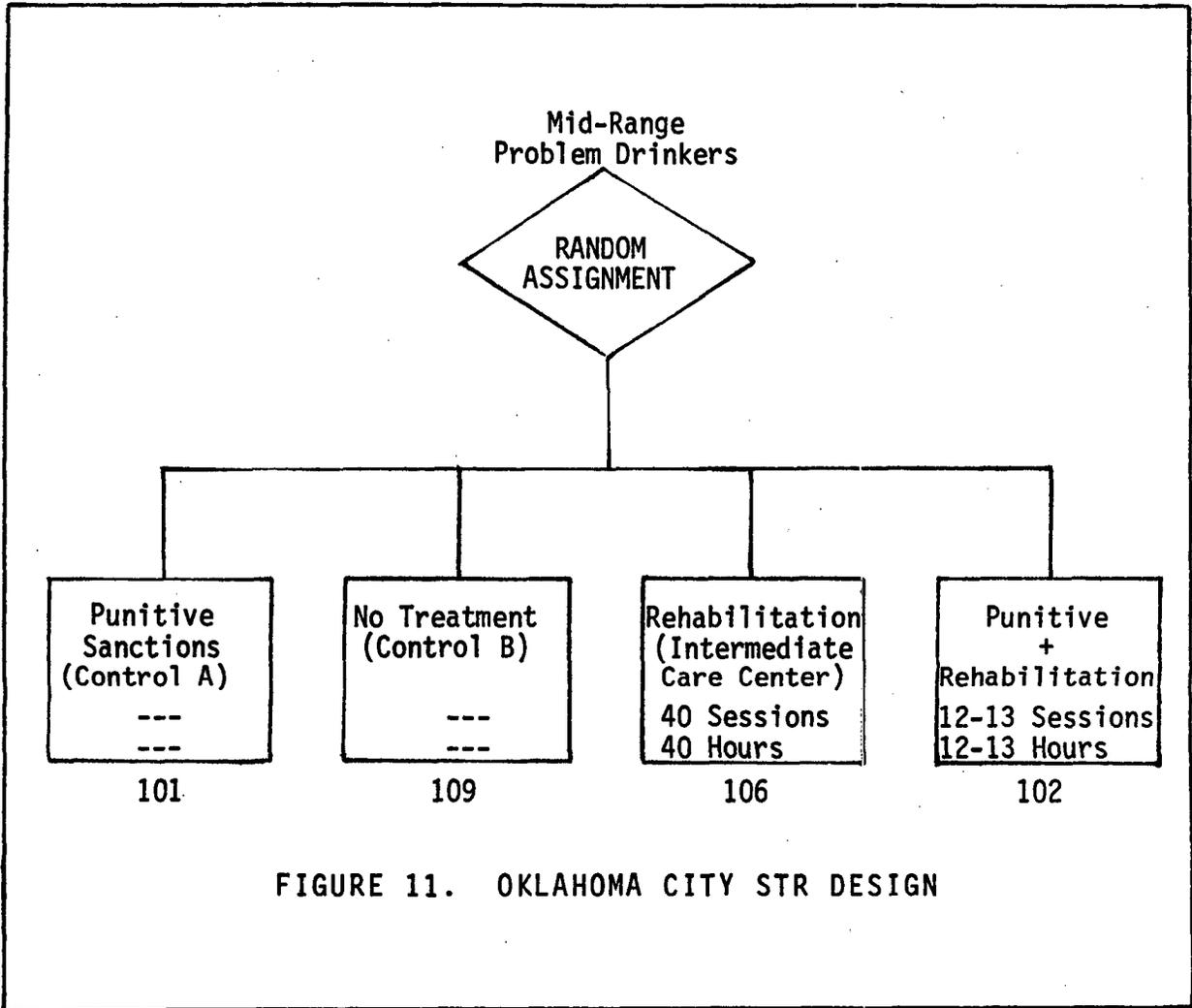
Assignment Procedures. Referrals from the courts to the ASAP Rehabilitation Office were randomly assigned to either the Driver Retraining School or the Control Group until the required sample size for both groups was met. Random assignment was made by means of a random number table.

Oklahoma City, Oklahoma

Treatment Alternatives. The Oklahoma City experimental design is illustrated in Figure 11. This site is unique in that its design provides for two no-treatment groups. The control group receives an assignment to unsupervised probation only, and unlike the other STR sites the individuals assigned to this condition do not receive traditional punitive sanctions on the DWI conviction. In short, clients are actually untreated by either rehabilitation or judicial components of the traffic safety system.

The second no-treatment group receives only the traditional punitive sanctions (jail, fine, etc.) normally imposed by the courts on individuals convicted of DWI and is assigned to unsupervised probation for the 18 month term of the STR follow-up data collection process.





Rehabilitation Only is an extensive alcohol treatment program which involves weekly sessions of an hour's duration for a forty week period. Most clients are assigned to group therapy treatment with an average group size of ten clients, led by either one or two therapists. Individual therapy is provided for those clients not suited for group therapy. Individuals assigned to this treatment condition are not subject to normal punitive sanctions (jail, fine, etc.).

The combination of rehabilitation and punitive sanctions involves a shorter term rehabilitation program which is combined with normal punitive sanctions imposed by the courts. The rehabilitation program consists of twelve to thirteen one-hour weekly sessions. Group therapy is the normal therapeutic approach with an average of ten clients led by one or two professional therapists. Individual therapy is provided for those clients not suited to the group therapy procedures.

Assignment Procedures. Clients are pre-screened for inclusion in the study according to the following criteria:

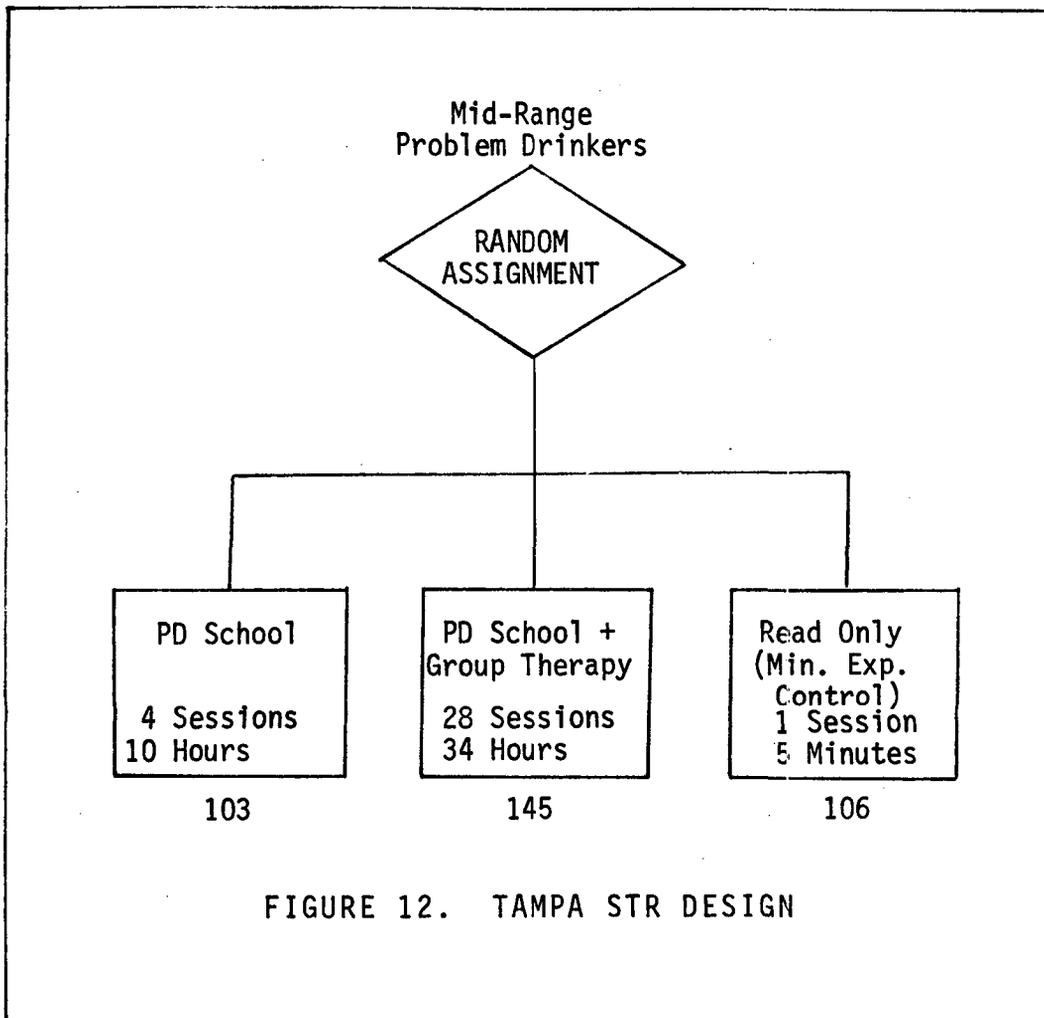
- a. BAC from .15 through .25,
- b. First offender,
- c. 21 Years of age or older,
- d. Resident of Oklahoma City or suburbs,
- e. Non-accident DWI arrest.

The mid-range problem drinkers meeting these criteria are randomly assigned (using dice) to one of the STR assignment conditions: Control, Punitive Only, Rehabilitation Only, and Punitive + Rehabilitation.

Tampa, Florida

Treatment Alternatives. The Tampa STR design is illustrated in Figure 12. The Read Only group is the minimum exposure comparison group for this site, and consists of a brief (five minute) session during which the client completes a brief background data questionnaire and is given a series of handouts and flyers. No further treatment is provided to these clients.

Problem Drinker School is utilized both as a single treatment modality and in combination with group therapy.



The school consists of four weekly sessions of two and one-half hours duration each. An average of twenty clients attend each session and are served by a single instructor.

Group Therapy (used in combination with Problem Drinker School) consists of approximately 24 weekly sessions, each of one hour duration. Approximately 8 to 11 clients compose each group and they are led by a single therapist.

Assignment Procedures. Individuals diagnosed as problem drinkers who have had no previous contact with ASAP rehabilitation programs are considered eligible for STR assignment (mid-range problem drinkers). Diagnosis is based on total Mortimer-Filkins score, prior DWI arrest record and BAC at arrest. Prior to December 17, 1975, assignments to the three STR treatment conditions were made by drawing folded slips of paper indicating group designations from a box. The box contained equal numbers of assignment slips to each group. Subsequent to December 17, 1975, this procedure was replaced by an assignment procedure which utilized computer generated, randomly ordered lists of the treatment/control groups.

PROGRAM LEVEL DESIGNS

The use of no-treatment (or minimum exposure) control groups and appropriate random assignment procedures within each of the eleven site designs satisfies the primary requirements of a "true experiment" (Campbell and Stanley, 1963).⁴ This designation does not, however, attach to the consolidation of the eleven separate experimental arrangements into a single program level design. Analyses applied to each individual site design can be expected to yield a valid test of the relative effectiveness of a particular set of experimental treatments (including in most cases a no-treatment condition). These results can be expected to generalize to a specific client population (defined by the selection criteria used by each site), and to a specific socio-political setting (defined by geographic, demographic and organizational characteristics of the particular ASAP site). At the program level it is necessary to account for a variety of factors which determine the comparability of the eleven separate

⁴ Campbell, D. T. and Stanley, J. C. Experimental and Quasi-Experimental Designs for Research, Rand McNally, Chicago, 1963.

experimental arrangements in order to configure quasi-experimental designs which provide adequate tests of the efficacy of STR programs across sites. The primary classes of factors whose influence must be either controlled or accounted for in the program level analyses of STR effectiveness include: characteristics of the treatment programs used by the STR sites, characteristics of the client population(s) sampled by each site's design, and characteristics of the sites themselves.

Taxonomy of STR Treatments

Although the original Power Motivation Training (PMT) Study anticipated that each site would employ a single uniform treatment modality and a single no-treatment control group, the current STR Study is substantially more complex. As indicated in the description of individual site designs, a large variety of short term rehabilitation modalities ranging from brief educational programs to long term therapeutic programs are used by the eleven sites.

Control/Comparison Groups. Control groups are non-equivalent between sites due to the political necessity of providing some form of "minimum" treatment for all ASAP clients at a few sites. Table 1 summarizes the status of STR "no-treatment" or "minimum exposure" comparison groups at the eleven sites. Four sites found it necessary to establish minimum exposure, rather than no-treatment, comparison groups. In the case of both the Tampa, Florida, and Phoenix, Arizona designs, these assignment conditions appear to represent simple formalities which attempt little in the way of therapeutic intervention. Tampa's Read Only group is required only to report for a brief five minute session during which a variety of pamphlets are distributed to the clients. No further contact is made with these comparison group subjects, and it is certainly doubtful that the treatment of these individuals could be quantitatively or qualitatively distinguished from the attention afforded the no-treatment clients at other sites. The Home Study group within the Phoenix design is exposed to little more in the way of treatment. These clients appear for a single session (25 minutes duration) during which client data forms are completed and reading materials are distributed. The Phoenix Home Study clients are, however, expected to complete "home-work" assignments based on the reading materials and to return these completed assignments to project personnel.

TABLE 1. STATUS OF STR CONTROL OR COMPARISON GROUPS

SITE	TYPE GROUP	TREATMENT		PROBATION
		No. Sessions	Duration	
DENVER	Minimum Exposure	1	4 hrs.	Reporting
FAIRFAX	No-Treatment (Lev. II)	-	-	Reporting
KANSAS CITY	Minimum Exposure	3	3 hrs.	Non-Reporting
HENNEPIN CO.	No-Treatment	-	-	Non-Reporting
NEW ORLEANS	No-Treatment (Lev. II)	-	-	Non-Reporting
NEW ORLEANS	No-Treatment (Lev. III)	-	-	Non-Reporting
PHOENIX	Minimum Exposure	1	25 min.	Non-Reporting
SAN ANTONIO	No-Treatment	-	-	Reporting
SOUTH DAKOTA	No-Treatment	-	-	None
NEW HAMPSHIRE	No-Treatment	-	-	None
OKLAHOMA CITY	No-Treatment	-	-	Non-Reporting
OKLAHOMA CITY	No-Treatment (Punitive)	-	-	Non-Reporting
TAMPA	Minimum Exposure	1	5 min.	Non-Reporting

Minimum exposure within the designs of the Denver and Kansas City projects represents a more extensive intervention. In both cases the minimum exposure treatment alternative might be classed as an educational program, similar in many respects to the alcohol safety schools which have been utilized within the ASAPs. Denver's minimum exposure school consists of a single session of four hours duration which is guided by a formal curriculum. The Kansas City Abbreviated CAP minimum exposure alternative is a three session educational program (one hour each) which is oriented toward problem drinking/alcoholism.

Another source of between site variability concerns the manner in which control group (and treatment group) clients are supervised subsequent to assignment to the STR Study. In three sites STR clients are assigned to a formal, reporting probation (Denver, Fairfax, and San Antonio). In six sites a non-reporting probationary term is utilized (Kansas City, Hennepin County, New Orleans--2 comparison groups, Phoenix, Oklahoma City--two groups, and Tampa). In the South Dakota and New Hampshire sites no probation mechanism is used.

Prior to the consolidation of these thirteen control/comparison groups into a single no-treatment group for program level analyses, it will be necessary to perform a number of analyses to insure the appropriateness of pooling these groups. Between site profile comparisons will be conducted to insure the comparability of client samples between projects. In addition, change in effectiveness criteria between initial and follow-up interviews will be compared between actual no-treatment and minimum exposure groups.

Treatment Alternatives. A total of twenty-seven separate STR treatment programs are included within the designs of the eleven sites. These treatment programs are listed, by STR site, in Table 2. The questionnaires shown in Appendix A were completed by each of the eleven sites in order to provide an empirical basis for the program level grouping of these treatment programs. Inspection of the returned questionnaires resulted in a relatively limited set of objective treatment program characteristics which could be employed to determine the similarity of programs across sites. Five indices were selected which were available for each of the twenty-seven treatment programs, and which could be quantified for analysis, these included:

- a. Total number of treatment sessions,

TABLE 2. SUMMARY OF STR TREATMENT MODALITIES
AND MODALITY COMBINATIONS.

Denver, Colorado

- CO-1 Power Motivation Training Only
- CO-2 Group Therapy, Denver General
- CO-3 Group Therapy, Bethesda

Fairfax, Virginia

- VA-1 Power Motivation Training Only (Levels II & III)
- VA-2 Driver Improvement School + PMT (Level III)
- VA-3 FACE (Group Therapy) + Driver Improvement School (Level III)
- VA-4 Weekend Driver Improvement School + PMT (Level II)
- VA-5 FACE + Weekend Driver Improvement School (Level II)
- VA-6 Driver Improvement School + Other (Group Therapy) (Level III)

Kansas City, Missouri

- MO-1 Power Motivation Training Only
- MO-2 Community Alcohol Programs (Group Therapy)
- MO-3 Abbreviated CAP (Minimum Exposure)

Hennepin Co., Minnesota

- MN-1 Chalk Talks
- MN-2 Chalk Talks + PMT

San Antonio, Texas

- TX-1 Alcohol Treatment Program (Group Therapy)
- TX-2 Alcohol Treatment Program + PMT

Phoenix, Arizona

- AR-1 Power Motivation Training Only
- AR-2 Therapy Workshop

TABLE 2. SUMMARY OF STR TREATMENT MODALITIES AND MODALITY COMBINATIONS CON'T.

New Orleans, Louisiana

- LA-1 Alcohol Safety School + PMT (Levels II & III)
- LA-2 Alcohol Safety School + Tulane Group Therapy (Level II)
- LA-3 Alcohol Safety School + Extended Group Therapy (Level III)

South Dakota

- SD-1 Problem Drinker Driver Classes

New Hampshire

- NH-1 Driver Retraining School

Oklahoma City, Oklahoma

- OK-1 Rehabilitation (Extended Group Therapy)
- OK-2 Punitive Sanctions + Rehabilitation (Group Therapy)

Tampa, Florida

- FL-1 Problem Drinker School
- FL-2 Problem Drinker School + Group Therapy

- b. Total contact hours of client exposure to rehabilitation/re-education activities,
- c. Type of treatment (1 = primarily educational,
2 = mixed
3 = primarily therapy),
- d. Number of instructors/therapists interacting with each client, and
- e. The number of treatment modalities included within the treatment program.

These five indices were utilized in a hierarchical clustering analysis^{5,6} in order to identify similar groups within the twenty-seven treatment programs. The results of this analysis are illustrated in Figure 13. On the basis of this clustering analysis, it would appear that eight separate classes of treatment can be identified on the basis of similarities in extensiveness and type of treatment as reflected in the five measures indicated previously. These groups range from alcohol safety schools on the one extreme to extended group therapy programs on the other.

It should be noted that the present attempt to develop a taxonomy of STR treatment programs is substantially handicapped by the limited number of objective indices of program characteristics which were available from the modality description questionnaires. It will be necessary to the final development of program level STR designs to expand this set of measures in order to more comprehensively describe not only the extent (number of sessions, time in treatment, etc.) of treatment, but also the particular mechanisms employed within each treatment program. The present analysis does point out, however, that a relatively diverse set of treatment programs are employed across the STR sites, and suggests that the nature of the treatment program must be accounted for in analyses of treatment effectiveness.

⁵Ward, J. H., Jr. Hierarchical grouping to optimize an objective function, American Statistical Association Journal, 1963, 58, 236-244.

⁶Veldman, D. J. Fortran Programming for the Behavioral Sciences, Holt, Rinehart and Winston, New York, 1967, 308-317.

		No. Sessions	Total Hours	Treat. Type	No. Inst.
CO-3, MO-3, MN-1, SD-1, NH-1, FL-1	School Only	4.6	8.8	1.1	1.1
AR-2					
CO-1, VA-1, MO-1, AR-1	PMT Only	4.3	33.8	3.0	2.2
VA-4, LA-1	PMT + Other	11.0	38.3	2.0	4.0
LA-2					
VA-2, VA-5, MN-2	PMT + Other	16.0	51.5	2.2	3.0
TX-2					
MO-2, TX-1, OK-2	Group Therapy	19.0	20.3	3.0	1.3
VA-3, VA-6, FL-2	Group Therapy + School	24.7	38.7	2.0	2.0
CO-2	Extended Group Therapy	34.0	48.0	2.5	2.0
OK-1					
LA-3	Extended Group Therapy	50.0	75.0	2.0	3.0

STRENGTH OF CLUSTERS	
No. Clusters	w/i Cluster Error
12	1.308
11	1.604
10	1.744
9	1.778
8	1.959
7	3.155
6	4.968

FIGURE 13. TAXONOMY OF STR TREATMENTS

The STR Client Pool

In addition to the specification of the particular set of treatments whose effects are to be assessed, it is necessary that the development of program level experimental or quasi-experimental designs consider the population of individuals to which the results of the STR Study are to be generalized. Lags in the receipt of initial contact data from the STR sites have prohibited the conduct of detailed client profile analyses during the present contract period, although data to support these analyses is included in the STR data system. These analyses can be conducted when the initial contact data collection from the sites is completed.

Nominally the STR clients included in the designs of most sites are "mid-range" problem drinkers, as determined by local diagnostic criteria. Exceptions to this rule occur in the Fairfax and New Orleans designs where separate groups of more extreme problem drinkers (Level III drinkers in Fairfax, and Problem Drinkers in New Orleans) are included, in addition to mid-range problem drinkers. Diagnostic criteria are not consistent across sites, however, and it will be necessary to assess the extent to which similar client populations have been sampled by each site's design. The following classes of measures contained in the STR data base are available to support these analyses:

- a. Client demographic characteristics.
- b. Prior arrest/accident records.
- c. Drinking problem severity (standardized diagnostic test results, etc.).
- d. Prior alcohol treatment history.
- e. Personality characteristics.

It is anticipated that the analytic specification of the characteristics of the STR client pool at both project and program levels is likely to involve a more complex typology of clients than has been considered in previous ASAP evaluation efforts. Description of ASAP clients has typically involved attempts to classify clients on a single dimension which is intended to reflect seriousness or severity of the drinking problem. Although this approach has been of some utility in arriving at a manageable set of diagnostic categories (e.g., social vs. excessive vs. problem drinkers), it seems likely that other categories

or dimensions of client characteristics may be capable of influencing the effectiveness of particular alcohol treatment programs. It seems important, therefore, to:

- a. Develop as comprehensive a client typology as possible (within and across sites),
- b. Examine the similarity of client pools between sites, and
- c. Determine which client characteristics influence the outcomes of STR treatment programs.

THE STR DATA SYSTEM

Prerequisite to the accomplishment of any of the research objectives of the STR Study is the maintenance of an error free and readily usable data base. While the actual collection of STR data in face-to-face client interviews is the responsibility of the individual STR sites, the transformation of this data from paper data collection forms to machine readable form, the identification of data collection errors, and the storage of the data in a readily accessible data base has been a major part of activity under the present contract. Relatively minimal changes in the STR data system are anticipated during the the remainder of the STR Study period.

DATA FLOW

The data flow from the initial contact data collection forms are received by the central evaluator to the time error corrected 18 month follow-up contact data are available on the data base is shown in Figure 14. Discussion under the current heading will focus primarily upon initial contact data flow. Procedures employed for handling follow-up data will be discussed under a subsequent heading.

As noted above, responsibility for completion of the data collection forms lies with the individual STR sites. Instruction of STR site personnel in the use of the data collection forms was a primary topic in two ASAP rehabilitation/STR workshops held in Denver, Colorado. (See Appendices I and J for the agenda of these workshops.)

Initial contact data collection form sets, consisting of the four LAI sections, are shipped to the central evaluator by each of the STR sites on a weekly basis. For weeks in which a particular STR site has no cases to be submitted, a "Weekly Data Status Report" is submitted. This form serves as a notice that no data are available from the particular site for a certain week rather than that a shipment of cases has been lost in transit. When cases are received, they are logged in according to the STR site identification number and are assigned a central evaluation number. Included in the central evaluation case ID number are: a site code, an administration code (initial, 6, 12, or 18 month follow-up), and a unique sequence number. Subsequent to the log-in operation,

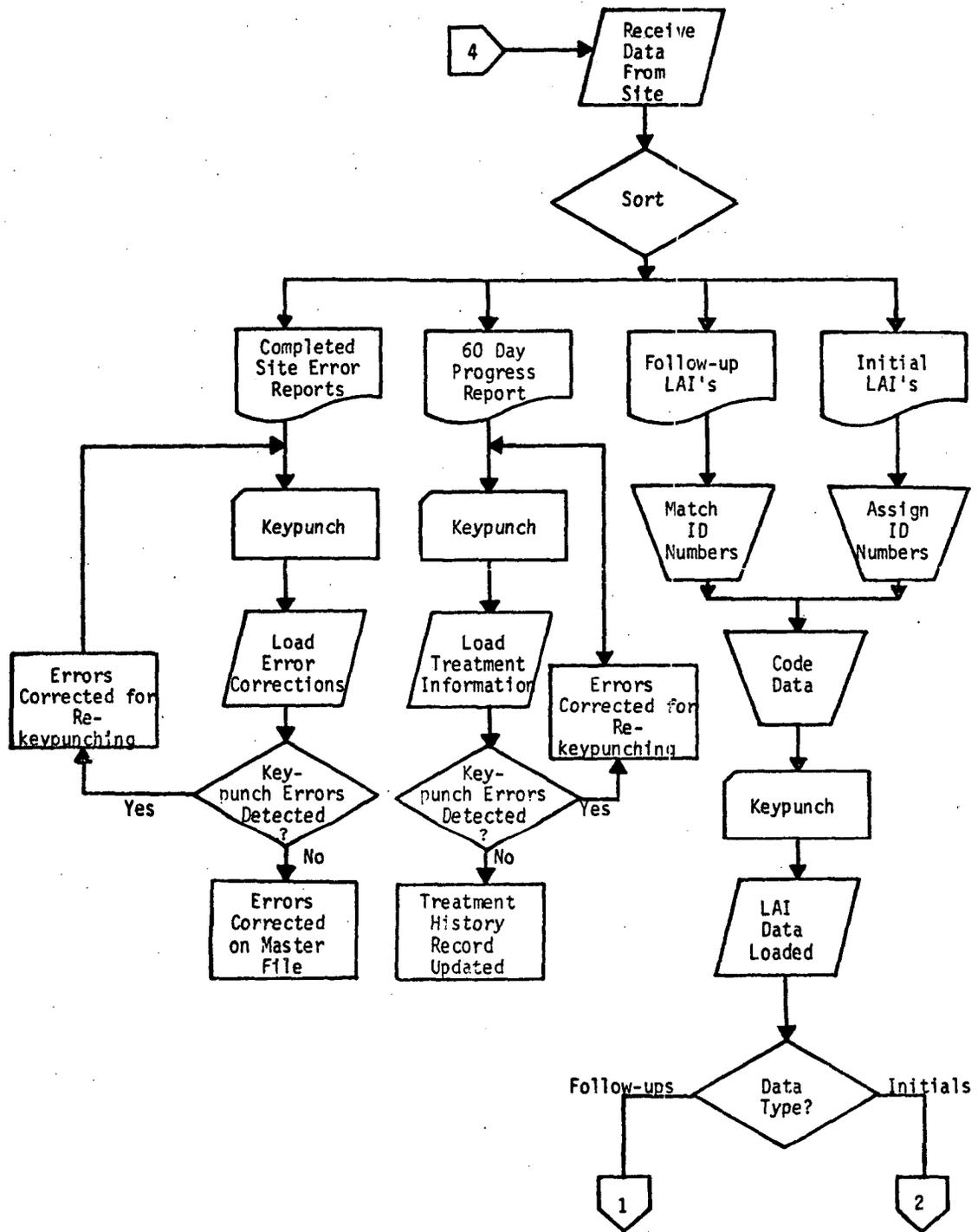


FIGURE 14. DATA FLOW DIAGRAM

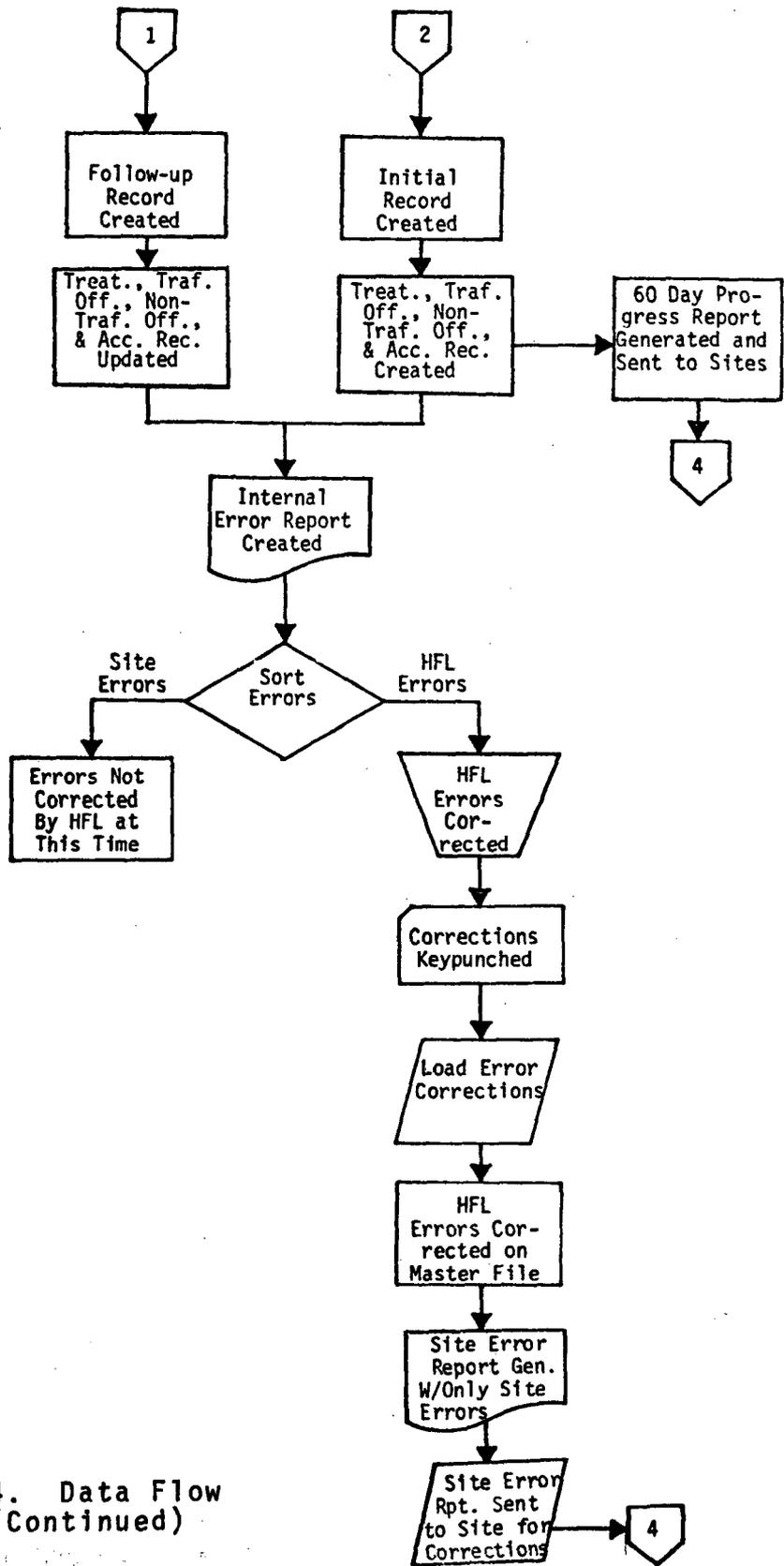


Figure 14. Data Flow Diagram (Continued)

a single card is keypunched for each case. The card contains the STR site identification number, the central evaluation identification number, a code indicative of the individual conducting the LAI interview, and the date the case was received. These cards are subsequently used to generate a "Cross Reference List." This list is useful as a cross reference between STR site identification numbers and central evaluation identification numbers and also as an indication of what cases submitted by each STR site have been received.

Subsequent to the logging-in operation and the creation of a cross reference computer card, each case is coded preparatory to keypunching. Key punching of each case requires a minimum of thirteen punched cards and a maximum of twenty-eight punched cards depending upon the number of occurrences of treatment, traffic offenses, non-traffic offenses, and accidents. Key punched cases are loaded on the computer data base on a weekly basis. The case loading procedure is accomplished by means of the "Edit and Update program." The edit and update program performs a variety of functions. For each initial contact data set loaded, an initial contact record is created which contains the Mortimer-Filkins questionnaire score from LAI, Section I, all data from LAI, Section II (questionnaires), and all data from LAI, Section III (interview). At the same time, four updatable history records are created: treatment, traffic offenses, non-traffic offenses, and accidents. Concurrent with the creation of these four records, extensive edit checks are performed on the input data. These edits include range checks, cross checks for logical inconsistencies within the data and checks for missing data. It should be noted that many of the edit checks are specific to certain STR sites as a result of unique procedures associated with each STR site. Errors identified by the edit and update program are stored on a separate error file.

A list of errors identified by the edit and update program is generated on a bimonthly basis through the use of the "Error Report." The error report program provides a complete list of all errors identified by the error and update program subsequent to the last running of the error report program. Each of the errors listed by the error report program is inspected carefully to determine whether the error was, (1) caused by the central evaluator as the result of a keypunching or coding error, or (2) the result of an error on the data collection forms as submitted by the STR site. All errors attributable to the central evaluator are corrected by loading file maintenance cards employing the edit and update program. Subsequent to the removal of central evaluation errors, the error report program is again

employed to generate a "Site Error Report." The site error report, which contains only site generated errors, is forwarded to each STR site on a bimonthly basis. Each STR site is responsible for correcting errors listed on the site error report and returning the completed report. When the completed site error report is received by the central evaluator, corrections to the data base are made in much the same manner as they are for central evaluation generated errors. That is, file maintenance cards are loaded by means of the edit and update programs.

DATA QUALITY CONTROL

The usefulness and interpretability of STR analyses are dependent upon the quality of the information included in the STR data base. The minimization of errors and missing information on the data base is of paramount importance. To this end, a variety of data quality control procedures have been instituted.

Edit and Update Program and Error Report Program

As noted above, the edit and update program performs extensive editing functions on each case as that case is loaded. Specifically, seven-hundred variables per case are checked for responses within an acceptable range. One-hundred variables are checked for logical consistency within a particular client's data. Two-hundred and fifty variables are checked for illegible responses (special keypunching symbol). Four-hundred variables for which single responses are appropriate are checked for multiple responses. One-hundred fifty variables which may be acceptable when missing are checked to confirm that a missing value is acceptable in a particular instance, e.g., if the response to a work related question is missing for a particular case, a check is made to confirm that the data for that case also indicates the client is unemployed. As was noted in the previous section, the error report program is employed to generate both internal and site error reports. These reports will allow identification and subsequent correction of errors detected by the edit and update program.

Communication

A variety of communication links have been established between the central evaluator and each STR site.

A procedure has been established during the current contract period whereby each STR site receives a scheduled call on a monthly basis in which data collection problems identified by either the central evaluator or the STR site are discussed. Additionally, non-scheduled telephone conversations are conducted between STR sites and the central evaluator when data collection problems requiring immediate attention are identified. When non-site specific data collection problems have been identified, letters describing the problem and specifying actions necessary for solutions have been mailed to all STR sites. Finally, during the current contract period, a management information system report concerning data collection quality has been created and is forwarded to each STR site on a monthly basis.

60 DAY PROGRESS REPORT

A "60 Day Progress Report" is generated for each client by the "General Report" program 60 days after the last day of the month in which he (she) was interviewed. The report lists the client ID number and the STR modalities to which the individual was assigned. Blank spaces are provided in which information concerning the client's status in each of the STR modalities may be provided. The 60 day client progress reports are forwarded to the sites on a monthly basis in order that the modality status information may be provided. It is the responsibility of each STR site to provide the information and return the completed report to the central evaluator for updating of the treatment history records by means of the edit and update program. The 60-day client progress report was created in order to provide timely feedback concerning the status of STR clients in their treatment modalities. Without the 60 day client progress report, no information concerning client status in STR modalities would be available until the 6 month follow-up contact.

FOLLOW-UPS

Procedures for handling follow-up contact data sets are generally similar to those employed for handling initial contact data sets. Coding, keypunching, loading and error correction procedures are identical for initial contact and follow-up contact data. Certain procedures are unique to the treatment of follow-up contact data, however. The following two sections discuss modifications of, and additions to, initial contact data handling procedures appropriate to the follow-up data.

Follow-Up Schedule

In order to facilitate collection of follow-up contact data, a "Follow-Up Schedule" is generated monthly by means of the general report program. Each month the follow-up schedule lists, by client identification number, those individuals requiring follow-up in the current month, the following month, and in two months' time, e.g., on January 1, an STR site would receive a follow-up schedule listing cases to be followed-up in January, in February, and in March. The one and two month advance notice of follow-ups is useful to the individual STR sites in planning for future follow-up workloads. The follow-up schedule contains the STR site client identification number, the central evaluation identification number, the initial interview date, an approximate follow-up date, an indication of which follow-up is to be conducted (6, 12, or 18 month) and the name of the last interviewer (i.e., the name of the initial interviewer when a 6 month follow-up is requested, the name of the 6 month follow-up interviewer when a 12 month follow-up is requested, etc.).

Because considerable errors have been experienced in the matching and collating of treatment history and traffic offense history information from initial contact data collection to 6 month follow-up data collection during the present contract period, a modification to the follow-up schedule portion of the general report program has been programmed and implemented during the current contract period. In addition to the information previously provided on the follow-up schedule report, a listing of treatment history and traffic offense history currently recorded on the data base is provided for each client on the month in which the follow-up contact is to be made. This modification should serve both to reduce the amount of record keeping necessary for each individual STR site and to reduce errors in the treatment history and traffic offense history area.

Differences in Handling Procedures

When the follow-up contact data sets are received by the central evaluator, a log-in process similar to that employed for initial contact data sets is initiated. New central evaluation identification numbers are not assigned, however. The follow-up contact central evaluation identification numbers are identical to central evaluation initial contact identification numbers with the exception of the single digit field indicating contact number. This process allows for the identification and elimination

of errors in the assignment of identification numbers. A follow-up contact identification number without a corresponding initial contact identification number or an initial contact identification number without a corresponding follow-up contact identification number is indicative of an error.

Although the methods employed to load follow-up contact data on the data base are essentially identical to those employed to load initial contact data, somewhat different operations are performed by the edit and update program for follow-up contact data. A follow-up contact record is created which contains all data from LAI, Section II (questionnaires) and all data from LAI, Section III (interview). The Mortimer-Filkins questionnaire score from LAI, Section I, is not part of the follow-up contact data set. Treatment history, traffic offenses, non-traffic offenses, and accident records are not, however, created when a follow-up contact data set is loaded; rather these four records, created when the initial contact data set was loaded, are updated with follow-up contact data information.

A variety of edit checks not appropriate to initial contact data are employed when the follow-up contact data is loaded. These additional edit checks relate primarily to consistency between initial contact and follow-up contact data sets.

Procedures are also available within the edit and update program to allow for processing of unavailable follow-up contacts. When a follow-up contact cannot be made, each STR site is responsible for completion of a form indicating that the follow-up contact will not be available and for providing records check information (LAI, Section IV) for the client. In the case of unavailable contacts, the edit and update program creates a "dummy" follow-up contact record and makes updates to the treatment history, traffic offenses, non-traffic offenses, and accident records based on information obtained from the records check section of the LAI.

COMMUNICATION WITH STR SITES AND NHTSA

Because of the geographically dispersed location of the individual STR sites, adequate lines of communication between the individual STR sites and the central evaluator are necessary for the timely and accurate collection of STR data. Frequent communication between the central evaluator and NHTSA is also required to provide data input necessary for the effective management of the STR project. A variety of communication procedures have been established

between the central evaluator, individual sites and NHTSA during the current contract period.

Telephone and Letter Communications

Both scheduled monthly calls and unscheduled calls are made to individual STR sites to discuss data collection problems. In addition to data collection problems, these phone calls are often employed to discuss changes in data collection procedures or to introduce new procedures to the sites. These calls additionally serve to maintain an excellent working relationship between each STR site and central evaluator developed during the current contract period as a result of two rehabilitation workshops and relatively frequent site/central evaluator contact during the start-up phases of the STR project. In addition to telephone communications with individual STR sites, postal communications in the form of memos, letters, instructions, etc., are forwarded to the STR sites on an as needed, but regular, basis.

Management Information System Reports

In addition to the telephone and letter communications described in the previous section, three management information system reports have been created during the current contract period to serve as regularly scheduled, formal lines of communication between the central evaluator and each STR site and between the central evaluator and NHTSA. The following three sections briefly describe each of the management information system reports. The relationship of the initial interview date to report generation date for cases included in these three management information system reports, and for several other reports referenced previously in this proposal, is shown in Figure 15.

Follow-Up Progress Report. The "Follow-Up Progress Report" is generated and forwarded to each of the STR sites and to NHTSA on a monthly basis. The report indicates the number of 6, 12, and 18 month follow-ups due for the month in which the report is generated and for the STR project period to date. Also provided is the number of 6, 12, and 18 month follow-ups completed. The follow-ups due and completed are provided for each STR modality and for each interviewer.

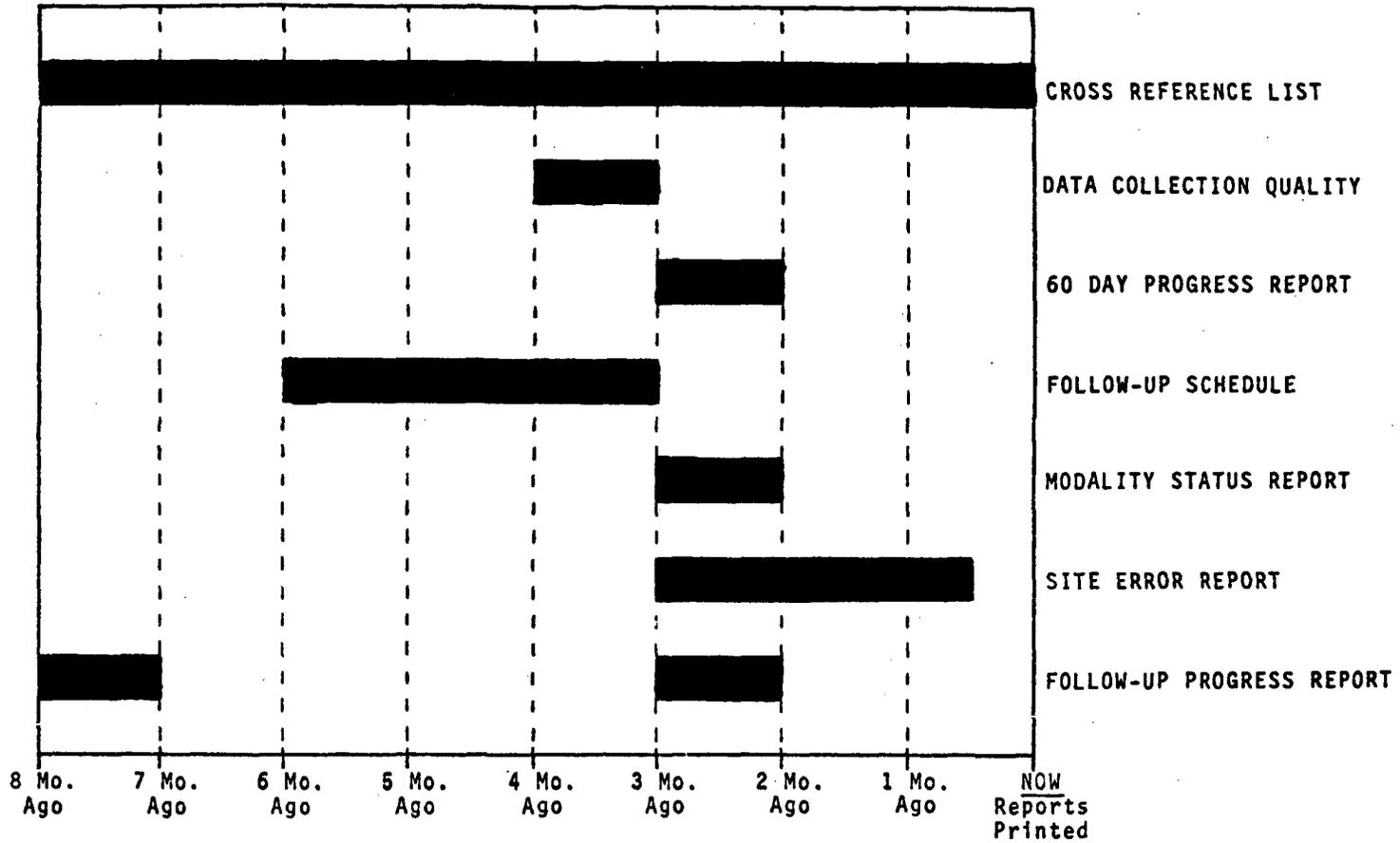


FIGURE 15. RELATIONSHIP OF REPORT GENERATION DATE TO INITIAL INTERVIEW DATE

Modality Status Report. The "Modality Status Report" is generated and forwarded to each STR site and to NHTSA on a monthly basis. Information is provided for the month in which the report is generated and for the STR project period to date. For each STR treatment modality, the number of individuals assigned, the number of individuals completing, the number of no-shows, the number of dropouts, the numbers of persons still enrolled, and the number of persons on which status information is missing is provided.

Data Collection Quality Report. The final management information system report implemented during the current contract period is the "Data Collection Quality Report." The report is generated and forwarded to each STR site and to NHTSA on a monthly basis. The report provides information concerning the number and types of data collection errors made during the month for which the report is generated and for the STR project period to date. The report is generated for each interviewer at each site and across all interviewers for each site. The errors are presented in four categories: those resulting from missing data, those resulting from refused responses, those resulting from conflicting or illogical data, and those resulting from illegible data. Errors are also presented according to the data collection document on which they occurred; that is, LAI, Section II, III, or IV. A variety of information is presented within each document and error type. Total errors for each document, average errors per document, number of error corrections requested, number of error corrections received, and percentage of errors corrected are presented. This report allows for monitoring of the performance of individual interviewers and for the identification of problematic areas for individual interviewers.

CASE VOLUME

The weekly and total case volumes are of obvious importance to the maintenance and management of the STR data collection system. The following two sections discuss estimated weekly data volumes, possible problems relating to data volume, and proposed solutions to these problems.

Case Volume by Time

Figure 16 presents actual and expected case volume by week for the entire 130 week duration of the STR project.

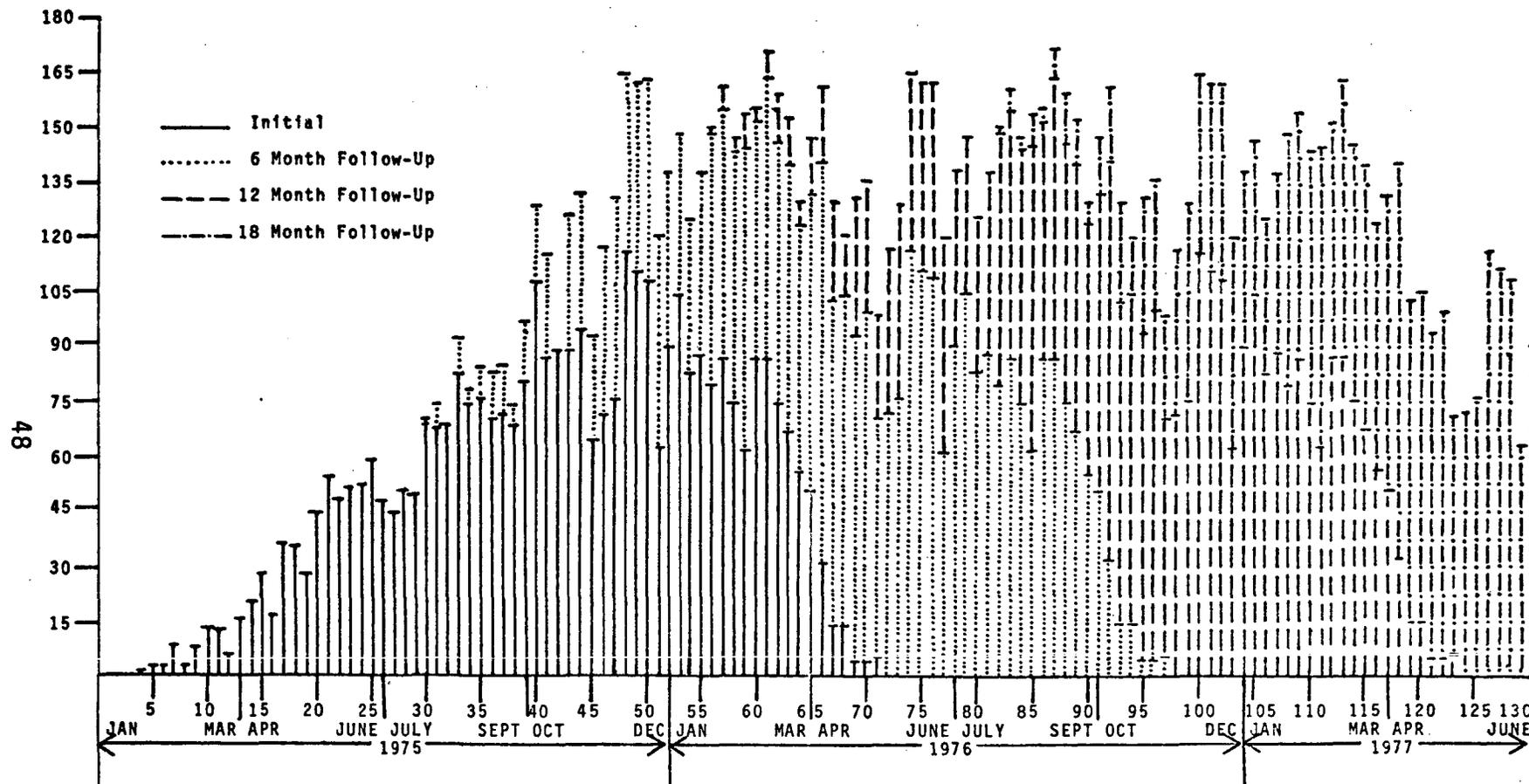


FIGURE 16. CASE VOLUME BY TIME

The data presented is based on actual interview dates supplied on data collection forms rather than date of receipt by the central evaluator. The number of initial interviews shown for weeks one through seventy-two represent the 3,744 cases received as of June 1. The numbers of 6, 12, and 18 month follow-ups shown at each of the time points in the figure are estimates based upon the number of initial contacts for the weeks shown.

Follow-Up Contact Data Loss Due to June 30, 1977, Data Collection Cutoff

It is apparent from Figure 16 that some loss of 18 month follow-up contact data will result from the June 30, 1977, data collection cutoff date. What is not readily apparent from the figure is the magnitude of the 18 month follow-up data loss. Current best estimates of 18 month follow-up loss based on the data reflected in the figure indicate that approximately 1,400 18 month follow-ups will be lost because of the data collection cutoff date. It may also be noted that the error correction procedure will not be applicable to some number of 18 month follow-up contact data sets which will be available. A variety of possible methods for reduction of 18 month contact data loss could be employed. To the extent possible, efforts should be made to implement the following procedures. Individual STR sites may be requested to conduct 18 month follow-up contacts which would normally occur in July, 1977, after the termination of data collection during June, 1977. Staff remaining at individual STR sites subsequent to the data collection cutoff might also be requested to provide records check information (LAI, Section IV) on those clients who cannot be contacted for 18 month follow-up prior to the termination of data collection.

Milestones

Shown in Figure 17 are the significant milestones associated with the STR data collection system from its initiation in February, 1975, through its expected termination date. Milestones shown represent collection, receipt, and entering on the data base of initial, 6, 12, and 18 month contact data. Also shown are the time periods in which various data system related reports discussed previously are being generated. The solid lines in the data related report area represent the actual time period during which the reports have been and will be generated. The broken lines on the right of the figure represent activity

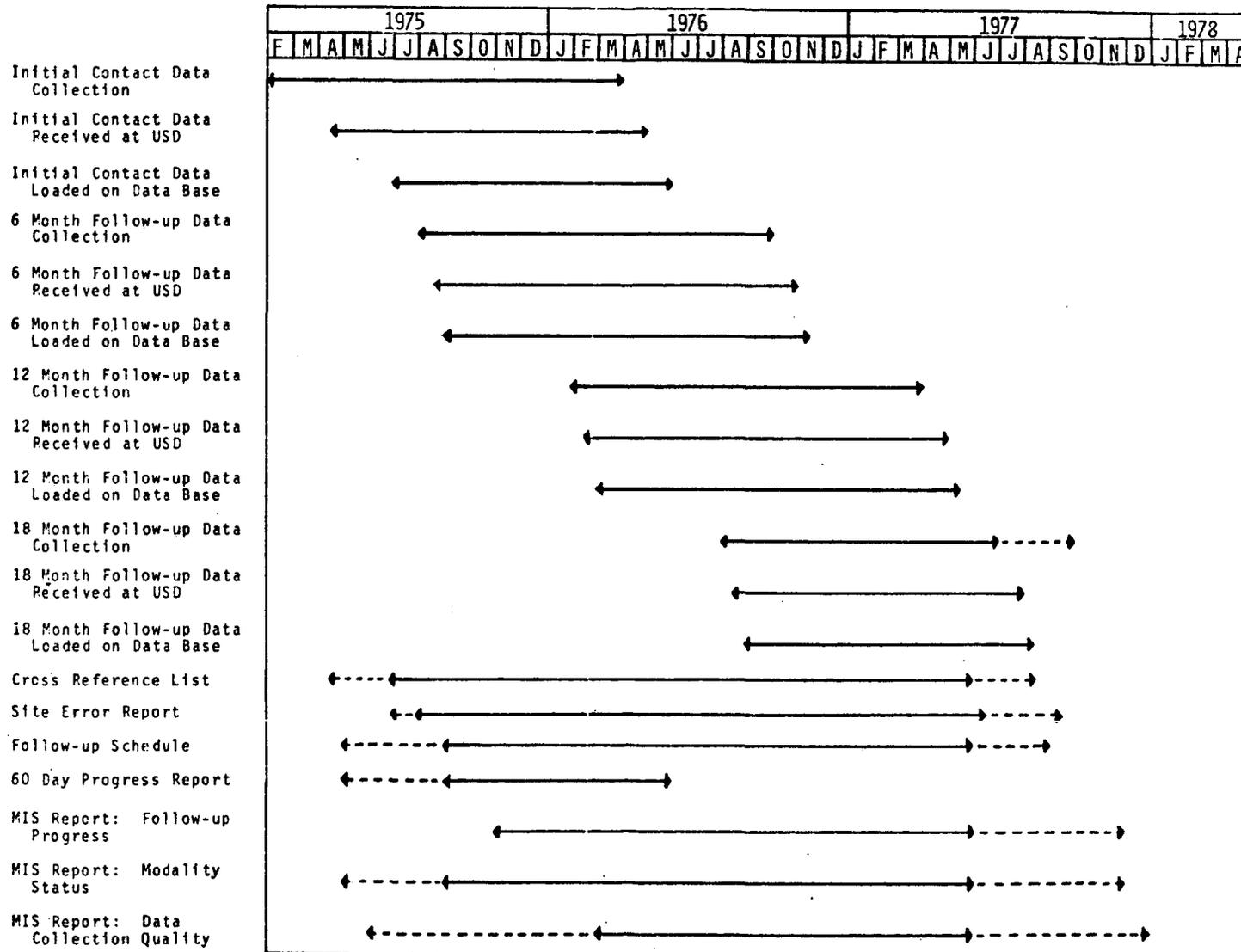


FIGURE 17. STR DATA SYSTEM MILESTONE CHART

that would take place if data collection were not terminated on June 30, 1977.

DEVELOPMENT AND MAINTENANCE OF THE STR DATA BASE

Development and implementation of the STR data system has been a primary focus of attention during the tenure of the present contract.

Current Characteristics of the STR Data System

Physical System Characteristics. The STR data system was developed and is currently implemented on an IBM 370-145 OS-VS2 system. System software is written in ANSI COBOL, and the minimum memory requirement (assuming a similar operating system) is 256k of real core. Additional hardware requirements for the data system include a minimum of three nine-track (1600 bpi) tape drives and a minimum of one disk drive.

STR File Descriptions. The STR data system is maintained on five nine-track magnetic tape files:

1. The STR MASTER FILE (sequential, GDG of six generations, tape fixed blocked, record length 1000 bytes, block size 6000 bytes) contains eight records (record layout described below) for each client included in the STR Study. At the completion of client intake to the study approximately 3900 cases will be included in the file.
2. The STR MASTER BACKUP FILE (sequential, GDG of two generations, fixed blocked, record length 1000 bytes, block size 6000 bytes) is a duplicate copy of the STR MASTER FILE which is kept at a remote site from the computer center for security purposes.
3. The STR CIRCULATING ERROR FILE (sequential, GDG of six generations, fixed blocked, record length 150 bytes, block size 3000 bytes) contains a separate record for each error detected in LAI data loaded onto the STR MASTER FILE. Each error record consists of a key area which contains record identification codes, error type code, and the dates of error detection and correction. The record also contains the card image of the punch card containing the identified error.

4. STR CIRCULATING ERROR BACKUP (sequential, GDG of two generations, fixed blocked, record length 150 bytes, block size 3000 bytes) contains a duplicate copy of the STR CIRCULATING ERROR FILE which is kept at a remote site for security purposes.
5. STR CARRY FILE (sequential, fixed block, record length 150 bytes, block size 3000 bytes) contains the errors detected during the most recent update of the STR MASTER FILE and is used for re-start purposes in case of hardware failure during execution of the EDIT/UPDATE program.

Record Layouts - STR MASTER FILE. The STR MASTER FILE consists of eight data records per client which contain all of the data collected upon initial entry of the client into the STR Study, at the completion of 60 day progress reports, and at 6, 12, and 18 month follow-up contacts. Data in this file is sequenced according to the central evaluator ID number assigned when cases are received from the sites. The first four records per case (record length 1000 bytes each) contain detailed information obtained from Sections I, II, III, and IV of the LAI instruments, for initial, 6, 12, and 18 month interviews respectively. The record layout for these four records is identical and is shown in Figure 18. Coding keys to accompany these layout forms have been developed and provided to STR site evaluators to facilitate site access to the STR data base. The fifth record contained in the STR MASTER FILE is a Treatment History which is created upon receipt of the initial interview data, and updated upon receipt of 60 day progress reports, and 6, 12, and 18 month follow-up data sets. The record layout for the Treatment History Record is shown in Figure 19. Records six-eight are traffic offense, non-traffic offense, and accident records which are created upon receipt of initial record check data (LAI, Section IV) and updated upon receipt of 6, 12, and 18 month follow-up data sets. Record layouts are shown in Figures 20-22.

STR System Software

A total of five major programs have been developed during the current contract period to support the STR data system.

Edit and Update Program. This program is a multipurpose COBOL internal sort program. Any additions or corrections to the STR data base are made by means of the edit and update program. The loading of initial contact data

CSQ 34			CSQ 35	CSQ 36	CSQ 37	CSQ 38				CSQ 39				CSQ 40	CSQ 41	CSQ 42	CSQ 43	CSQ 44	CSQ 45	CSQ 46	CSQ 47	CSQ 48	
1	2	3	1	1	1	1	2	2	2	2	1	2	3	4	1	1	1	1	1	1	1	1	1
160	161	162	163	164	165	167	169	171	173	175	177	179	181	182	183	184	185	186	187	188	189	190	

Section 2 Pages 5-6

CSQ 49	CSQ 50	CSQ 51	CSQ 52	CSQ 53	CSQ 54							CSQ 55								CSQ 82		
1	1	1	1	1	1	2	2	2	2	2	2	2	1 BYTE EACH								28	82
191	192	193	194	195	197	199	201	203	205	207	209									237		

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See Section III Key

PAS-----PAS 1 151 1 BYTE EACH 151		Interview Date			Interviewer ID	Length of Interview (minutes)	Background Information						
		Mon.	Day	Yr.	3	3	Age	Birth Date			Sex	Race	Religion
		2	2	2			2	Month	Day	Year	1	1	1
388		390	392	394	397	400	402	404	406	408	409	410	411

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Section 3 Pages 1-2

Background continued			LAI 1	LAI 2	LAI 3	LAI 4					LAI 5	LAI-----LAI	
Residence	Education	Marital Status	1	2	3	1	2	3	4	5	4	6	12
1	2	1	2	2	2	1	1	1	1	1	4	2 BYTE EACH 14	
412	414	415	417	419	421					426	430	444	

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FIGURE 18. INITIAL, 6 MONTH, 12 MONTH, 18 MONTH RECORD LAYOUT (Continued)

LAI 13	LAI 14	LAI 17		LAI-----LAI 18-----LAI 24		LAI-----LAI 25-----LAI 35		LAI 36	LAI 37	LAI 38														
		1	2	2 BYTE EACH		1 BYTE EACH				Row							Column							
1	1	1	4	14		11		2	2	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
445	446	447	451	465		476		478	480	488							495							

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LAI 39					LAI 40	LAI 41	LAI 42	LAI 43							LAI 44	LAI 45	LAI 46	LAI 47	LAI 48	LAI 49	LAI 50	LAI 51	LAI 52	
1	2	3	4	5				Row			Column													
2	2	2	2	2	2	1	1	1	2	3	4	5	6	7	2	2	2	2	1	2	2	2	2	
505					507	508	509	518							532	534	536	538	540	541	543	545	547	549

Section 3 Pages 15-18

LAI 53	LAI 54	LAI 55	LAI 56	LAI 57	LAI 58	LAI 59	LAI 60	LAI 61	LAI 62	LAI 65		LAI 66	LAI 67	LAI 68	LAI 69										
										1	2				A1	W1	A2	W2	A3	W3	A4	W4	A5	W5	A6
1	1	1	2	1	2	2	2	1	2	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2
550	551	552	554	555	557	559	561	562	564	565	567	568	569	571	575	579	583	587	591						

Section 3 Pages 18-21

LAI 69 Cont.										LAI 70				LAI 71	LAI 72	LAI 73	LAI 74	LAI 75	LAI 76	LAI 77					LAI 78	LAI 79
W6	A7	W7	A8	W8	A9	W9	A10	W10	1	2	3	4							1	2	3	4	5			
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
595	599		603		607		611		619				621	623	625	627	629	631	641					643	645	

Section 3 Pages 21-24

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FIGURE 18. INITIAL, 6 MONTH, 12 MONTH, 18 MONTH RECORD LAYOUT (Continued)

Only on initial - will be blank for follow-up records

LAI 80	LAI 81	Record Check			Person 3	Project Drinker Class 2	Conditions Apply							Mortimer Filkens		
		Date					1	2	3	4	5	6	7	Quest	Interv.	Total
		Month 2	Day 2	Year 2												
2	2					1	1	1	1	1	1	1	3	3	3	
647	649			655	658	660							667	670	673	676

Section 3
Page 24

Section 4 Pages 1-2

INDEX ARREST INFORMATION										BAC	STR Assignment Code 2
Charge	Jail Sentence	Jail Actual	Fine Sentence	Fine Actual	License Suspension Sentence	License Suspension Actual					
1	3	3	4	4	4	4			2		
677	680	683	687	691	695	699	701			703	

Section 4 Pages 3-4

TREAT OCCURRENCE 1				TREAT OCCURRENCE 2		Occur-----Occur 3 7		Julian Quest.	Julian Interv.
STR Treatment Modality Code 2	Instructor 3	Entry Date			(mode, inst, date) 11	(mode, inst, date) 55	Date 4	Date 4	
		Month 2	Day 2	Year 2					
705	708				714	725	780	784	788

Section 4 Page 4

Julian Date
Origin
1 January 1968

Julian Record Check Date	Filler	Julian Treat Entry Dates							Generated Fields			Filler	# Modalities in STR Assignment	PAS Scales (to be inserted) 30	CSQ Scales (to be inserted) 30	
		1	2	3	4	5	6	7	CSQ 3	CSQ 38	CSQ 39					
4	12	4	4	4	4	4	4	4	4	4	4	6	2	30	30	
792	804								832	836	840	844	850	852	882	912

months
days
days

FIGURE 18. INITIAL, 6 MONTH, 12 MONTH, 18 MONTH RECORD LAYOUT
(Continued)

56

LAI Scales (to be inserted)	General Scales (to be inserted)	DWI Recidivist		Crash Recidivist		Index Administration or Judicial Action
		Flag	Lag Time (days)	Flag	Lag Time (days)	
30	12	1	4	1	4	1
942	954	955 1=yes	959	960 1=yes	964	965 <i>(Section IV page 2 - follow-up forms)</i>

Index DWI Arrest Date			Index DWI Julian Arrest Date	Missing Follow-Up Flag		
Month	Day	Year		6	12	18
2	2	2	4	1	1	1
971			975	976	977	978
<i>(Fields used for internal data system management)</i>						

Reason Follow-Up Miss			Subsequent Follow-ups Available	Filler
6	12	18		
1	1	1	1	18
979	980	981	982	1000
<i>(Fields used for internal data system management)</i>				

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FIGURE 18. INITIAL, 6 MONTH, 12 MONTH, 18 MONTH RECORD LAYOUT
(Continued)

Key Area Same As Initial Record	TREATMENT HISTORY COUNTS					
	Inpatient	Outpatient Individuals	Outpatient Group	Outpatient Family	Outpatient STR Behavior	Detoxification
col 7= '6'	2	2	2	2	2	2
1 48	50	52	54	56	58	60

Section 3 Page 4

TREATMENT HISTORY COUNT CONT.					Count Treatment Occurrences	TREATMENT OCCURRENCE 1		
Chemo Direct	Chemo Indirect	AA	Half Way House	Ed. Alcohol Safety School	Treatment Code	Number Sessions	Session Time Length	
2	2	2	2	2	2	2	3	
62	64	66	68	70	72	74	76	79

Section 3 Pages 4-5

TREATMENT OCCURRENCE 1 CONT.										
Entry Date			Term Date			Still In Treatment Indicator	Voluntary/Court Referral	Probation Involved	STR Treat Indicator (created)	Type Termination
Mon.	Day	Year	Mon.	Day	Year					
2	2	2	2	2	2	1	1	1	1	1
81	83	85	87	89	91	92	93	94	95	96

Section 3 Page 5

STR treatment only
(See 6 month follow-up key)

TREATMENT OCCURRENCE 1 CONT.					OCCURRENCE 2	
Number No Show	Number Drop Out	Total No Show and Drop Out	Julian Entry Date	Julian Term Date	Same Fields As Occurrence 1	
1	1	2	4	4	36	
		Sum of 97+98				
97	98	100	104	108		

STR Treatment Only (See Blue Key)
Section 3 Page 2
(6 month follow-up)

Occurrences	Filler
3-----19	208
792	1000

FIGURE 19. MODALITY TREATMENT HISTORY RECORD

Key Area Same As Initial Record col 7 = '7'	TRAFFIC HISTORY COUNTS (Prior 4 years to index arrest)					Count Traffic Occurrences (2) ↓ 60
	DWI (2)	Alcohol Less Off (2)	Reckless Driver (2)	Hazardous Moving Violations (2)	Other Traffic (2)	
1	48	50	52	54	56	58

Section 4 Page 5

Actual # of offense records
on file (col. 61 - 986)

TRAFFIC OCCURRENCE											
Type Offense	Arrest / Conviction	Info Source	Arrest Date			Convict Date			Alcohol Related yes = 2 no = 1 1	BAC (Actual BAC: 98 = refused/not taken 99 = taken/not available)	
			Mon.	Day	Year	Mon.	Day	Year			
(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	2		
61	61	62	63	65	67	69	71	73	75	76	78

See Section IV Key

Section 4 Page 6

OCCUR 1 Cont.						OCCURRENCE 2			
License Suspend Date			License Suspend Days			Julian Arrest Date	Julian Convict Date	Julian License Suspend Date	Same Fields As Occurrence 1
Mon.	Day	Year	3	4	4	4	4	39	
2	2	2	3	4	4	4	4	39	
79	80	82	84	87	91	95	99	138	

created date fields

Section 4 Page 6

Occurrences 3-----24	Index DWI Occurrence Pointer	Filler
139	2 ↓ 988	2 1000

(Which offense (01-24) was the
index DWI arrest?)

59

FIGURE 20. TRAFFIC OFFENSE RECORD (THIS RECORD IS CREATED WITH RECEIPT OF THE INITIAL DATA SET AND UPDATED ON RECEIPT OF 6, 12, and 18 MONTH FOLLOW-UP)

Key Area Same As Initial Record col 7= '8'	NON TRAFFIC HISTORY COUNTS					Count Non Traffic Occurrences (2)	
	Property Crime (2)	Assault Battery (2)	Sex Crime (2)	Public Intoxication (2)	Other Crimes (2)		
1	48	50	52	54	56	58	60

Section 4 Page 7

Actual # of offense records
on file (col. 61 - 870)

NON TRAFFIC OCCURRENCE 1												
Type Offense (2)	Arrest/ Conviction (1)	Info Source (1)	Arrest Date			Conviction Date			Alcohol Related		BAC (2)	(Actual BAC: 98=refused/not taken 99=taken/not available)
			Mon. (2)	Day (2)	Year (2)	Mon. (2)	Day (2)	Year (2)	yes=2 (1)	no=1		
61	62	63	64	66	68	70	72	74	76	77	79	

Section 4 Page 8

OCCUR 1 CONT.		OCCURRENCE 2		OCCURRENCES	FILLER
Julian Arrest Date (4)	Julian Convict Date 4	Same Fields As Occurrence 1 (27)		3-----30	(130)
80	83	87	114	870	1000

created date fields

FIGURE 21. NON-TRAFFIC OFFENSE RECORD (THIS RECORD IS CREATED WITH RECEIPT OF THE INITIAL DATA SET AND UPDATED ON RECEIPT OF 6, 12, and 18 MONTH FOLLOW-UP)

Key Area Same As Initial Record col 7= '9'	Count Accident Occur (2)	ACCIDENT OCCURRENCE 1									
		Accident Code (1)	Accident Date			Alcohol Related (1)	BAC (2)	License Suspend Date			Suspend Days (3)
			Mon. (2)	Day (2)	Year (2)			Mon. (2)	Day (2)	Year (2)	
1	48	51	53	55	57	58	60	62	64	66	69
	Actual # of accidents on file (col. 51-590)										

Section 4 Page 9

OCCUR 1 CONT.		OCCURRENCE 2	OCCURRENCES 3-----20	Filler
Julian Accident Date (4)	Julian License Suspend Date (4)	Same Fields As Occurrence 1 (27)		(410)
70	73	77	104	590
				1000

61

FIGURE 22. MOTOR VEHICLE ACCIDENT RECORD (THIS RECORD IS CREATED WITH RECEIPT OF THE INITIAL DATA SET AND UPDATED ON RECEIPT OF 6, 12, and 18 MONTH FOLLOW-UP)

sets to the edit and update program result in the creation of a master record containing data from LAI, Sections II and III, and the creation of four updatable records for treatment history, traffic offenses, non-traffic offenses, and accidents, from data provided on LAI, Section IV. As these records are created, an extensive set of edit checks is employed. Range checks are conducted on seven hundred variables. Logic checks are conducted on one hundred variables. Legibility checks are conducted on two hundred-fifty variables. Multiple response checks are conducted on four hundred variables, and allowable missing data checks are conducted on one hundred-fifty variables. Errors detected by any of these checks result in the creation of an error record on the circulating error file.

STR treatment information obtained from the 60 day progress report is also loaded on the STR master file by means of the edit and update program. In this instance, no new records are created, rather STR treatment modalities already in existence on the treatment history record are updated by the data provided on the 60 day progress report. Edit checks are employed to assure that 60 day progress report data properly collates with existing treatment history information. Again, identification of errors results in the creation of error records on the circulating error file.

Six, twelve, and eighteen month follow-up data are also added to the STR data base by means of the edit and update program. Loading of a follow-up contact data set results in the creation of a record specific to that follow-up, containing information from LAI, Sections II and III, and the update of treatment history, traffic offenses, non-traffic offenses, and accident records by means of information obtained from the LAI, Section IV. In addition to the edit checks employed for loading initial contact data sets, edit checks are employed concerning proper collation of existing information on treatment history, traffic offenses, non-traffic offenses and accident records with new information for these records provided by the follow-up.

All corrections to the STR data base are made through the use of the edit and update program. Any fields in the STR data base are updatable and/or correctable through the use of a single card. Updates and/or corrections are accomplished by specifying client identification number, a code for the field to be modified, and the data to be inserted in the specified field.

Error Report Program. The primary function of the COBOL error report program is to generate reports based on the circulating error file created by the edit and update program. Two basic report formats are available: an internal error report and a site error report. Subsequent to the loading of data through the edit and update program, the internal error report option of the error report program is employed to generate a list of all errors identified by the edit and update program. This report is generated in a format readily usable by data encoders and data control clerks for the identification and elimination of central evaluation data entry errors. When central evaluation data entry errors have been eliminated through the use of the edit and update program, the site error report option of the error report program is employed. This option prints a list of errors in a format readily usable by the STR sites in order that site generated data collection errors may be corrected. A useful feature of the error report program is that, concurrent with printing of an error list, punched error correction cards are also created. These cards are prepunched with the client identification number and an identification number for the data base field in error. When the correct information for a particular field is available, it is entered on the prepunched error correction card. Corrections are then made through the edit and update program.

General Report Program. The general report program is written in COBOL and designed to handle generation of four reports requiring access to the STR data base.

The 60 day progress report subprogram prints a monthly report on those cases with interview dates 60-90 days previously. The report lists, for each client, all STR modalities assigned and provides spaces for the entry of treatment status information. This report is mailed to each STR site monthly, the sites complete the report and return it to the central evaluator for keypunching and entry on the STR data base. Data from the completed 60 day progress reports is entered on the data base by means of the edit and update program.

The follow-up schedule report subprogram generates lists of clients to be interviewed in the next three months. For the month in which a client is to be interviewed, a list of treatment history information and traffic offenses information currently on the STR data base is printed in a form readily usable by the STR sites.

The modality status report subprogram generates a monthly report by site indicating the number of people assigned

to each of the STR modalities employed by that site. In addition to indicating the number of individuals assigned to each of the STR modalities, the number of completions, the number of no-shows, the number of dropouts, the number of persons still enrolled, and the number of persons for which data information is missing is presented. The follow-up progress report subprogram generates a monthly list by site and by interviewer indicating how many 6, 12, and 18 month follow-ups are due and how many 6, 12, and 18 month follow-ups have been completed.

Data Collection Quality Report. The COBOL data collection quality report program generates a monthly report for each site and each interviewer reflecting data collection errors. This report is produced by accessing the circulating error file, rather than the STR data base. Information concerning types of errors and the documents on which the errors occurred is presented. Information is presented concerning average errors per case, and per data collection document. Information is also presented concerning the percentage of errors that have been corrected.

File Backup Program. The file backup program is written in COBOL and used on a biweekly basis to copy the STR data base and the circulating error file. These copies are then stored in an area remote to the data processing center for security backup.

Scoring Software for Life Change Instruments

Programs have been developed and implemented to perform scoring of the LAI, CSQ, and PAS instruments according to the scoring procedures which will be described in a later section of this report. Factor scores for each instrument have been inserted in the STR MASTER FILE (Initial, 6, 12, and 18 month follow-up records--see Figure 18).

DEVELOPMENT OF REHABILITATION PERFORMANCE AND EFFECTIVENESS MEASURES FROM THE STR DATA BASE

The research objectives of the Short Term Rehabilitation Study require the development of an extensive set of performance, effectiveness, cost, and client descriptor measures from the data elements contained in the STR data base as well as from other data sources. The present section addresses four general classes of measures which will be required to accomplish the evaluation objectives of the STR Study.

DIRECT TRAFFIC SAFETY EFFECTIVENESS MEASURES

As a traffic safety endeavor, it is necessary that the effects of STR modalities on those aspects of client behavior directly reflecting motor vehicle operation be assessed. STR data collection procedures provide for the measurement of client performance subsequent to STR assignment relative to: accident experience, traffic offenses, and non-traffic offenses. These data are obtained with Section IV of the Life Activities Inventory (Records Check) which is shown in Appendix B.

Crash Involvement Subsequent to STR Assignment

Tracking of client accident records subsequent to STR assignment is accomplished through record checks (police and DMV records) at 6, 12, and 18 month follow-up intervals. It is anticipated that record check report forms will be available from most STR clients and that relatively little attrition will affect the availability of 6, 12, and 18 month follow-up data. The STR accident record (Page 9, LAI, Section IV) contains the dates and circumstances (A/R, etc.) for each accident occurrence identified at the 6, 12, and 18 month follow-up points. Criterion measures derived from this record include both frequency and time interval (from STR assignment to accident occurrence) measures for each class of motor vehicle accident recorded (single vs. multi-vehicle and, fatal vs. injury vs. property damage). It is likely that total crash experience will be used (summing over type and severity of crash) due to the low expected frequency of crash involvement in the STR Study population.

Traffic Offense Recidivism

Records check data included in the STR data base provides for the accumulation of individual recidivist traffic offense reports for five categories of traffic offenses: DUI arrests, lesser alcohol offenses, reckless driving, other hazardous moving violations, and other traffic offenses. The primary STR success criterion derived from this record is, of course, A/R recidivism (DUI and lesser A/R offenses). Both rearrest (or reconviction) frequency and the time interval between assignment and rearrest are calculated as criterion measures. Rearrest BAC is also available as a secondary criterion measure. The frequency and time pattern of other traffic offenses recorded subsequent to STR assignment are also computed as measures of behavioral change, and utilized in analyses of STR effectiveness. Traffic offense data are reported on pages 5 and 6 of the LAI Records Check form (Appendix B).

Non-Traffic Offense Recidivism

Records check documents incorporated in the LAI data collection system provide for the recording of arrest/conviction incidents associated with the following categories of non-traffic offenses: property crimes, assault/battery, sex crimes, public intoxication, and other crimes. Although not falling within the category of driving related criterion measures, these measures are described in the present section because they are acquired by means of the same set of records check documents (LAI, Section IV, pages 7 and 8) that produce measures of accident and traffic offense recidivism. Frequency and time pattern measures for each of the previously described categories of non-traffic offenses will be utilized as indices of socio-legal behavioral change potentially modifiable by successful STR programs.

LIFE CHANGE EFFECTIVENESS CRITERIA

A battery of questionnaire and interview instruments were included in the STR data collection system (LAI, Sections II and III) in order to detect STR induced change in those aspects of client behavior which are not immediately reflected in an individual's performance within the traffic safety system. These instruments have been subjected to a number of analyses during the course of the current contract effort, but further analyses are required in order to develop a psychometrically suitable set of

life change indicators which may be used as criterion measures in analyses of STR effectiveness.

Three instruments are included in the STR Life Activities Inventory data collection package at initial assignment to the STR Study and at 6, 12, and 18 month follow-up interviews: the Life Activities Interview (LAI), the Current Status Questionnaire (CSQ), and the Personality Assessment Survey (PAS).

Life Activities Interview

The Life Activities Interview (LAI, Section III) is an interview protocol developed specifically for the STR Study under the present contract. In the construction of this instrument, the attempt was made to select questions dealing with overt and potentially observable behavioral activity in those areas of the individual's life situation which were most apt to show the influence of alcohol abuse, and consequently those aspects of the life situation which might reflect change produced by successful short term alcohol rehabilitation interventions.

The present version of the Life Activities Interview is based on analyses of data collected with the preliminary LAI protocol shown in Appendix C. The preliminary LAI questions were constructed to represent five arbitrarily selected domains which were thought to include those spheres of the client's life situation most likely to be affected by alcohol abuse. Items were constrained to those aspects of the client's life situation which were overt, potentially observable manifestations of client status. These five domains were defined as:

- a. Job performance/economic stability.
- b. Physical health.
- c. Self improvement/civic activity.
- d. Alcohol use/abuse.
- e. Living situation.

The preliminary LAI protocol of 24 basic items (Appendix C) was administered to a total of 1,552 DWI clients processed by the South Dakota Alcohol Safety Action Project between April, 1974, and January, 1975. The pilot LAI interview was administered during the conduct of presentence investigations by SD:ASAP courtworkers. All of these subjects

had been arrested and convicted of DWI prior to the presentence investigation and interview administration.

The 24 basic questions included in the pilot LAI were coded to yield a total of 155 raw variables which were numerically scored. Item 1, for example, ("How many days per week have you worked for the past four weeks?") yielded eight separate variables representing the number of days worked in each of the preceding four weeks, as well as the number of available working days in each of these weeks. The first step in the analysis of these pilot LAI data involved inspection of the frequency distributions of each of the 155 raw variables in order to select a subset which was psychometrically suitable for inclusion in subsequent analyses. This process yielded a total of 37 derived variables (in some cases combinations of several of the raw variables) which represented each of the five domains described previously.

Analyses based on this subset of interview responses involved a sequence of factor analytic procedures designed to reduce the dimensionality of the set of variables and identify scales which represented relatively independent aspects of the client's life situation. First a principal components analysis with unities in the diagonal of the correlation matrix was performed. This step was performed to select the number of factors to be included for subsequent analyses according to Kaiser's criterion⁷ that factors with roots less than unity be rejected. A total of ten factors were retained based on this procedure. Second, an iterative factor analysis was performed to estimate communalities for the ten factor solution, and finally, an orthogonal (Verimax) rotation was performed. A summary of the ten Verimax factors is shown in Table 3 along with the means and standard deviations of the 37 variables entering into this analysis.

Inspection of Table 3 shows three of the factors to be defined by the seven variables which reflect alcohol consumption and problems attendant to that behavior. The first factor would appear to represent a drinking frequency dimension with "days with 1-6 drinks," and "days with no drinks" the primary variables. The second factor, on the other hand, reflects quantity of alcohol consumption

⁷Kaiser, H. F. The application of electronic computers to factor analysis. Educational and Psychological Measurement, 1960, 20, 141-151.

TABLE 3. VERIMAX FACTORS PRODUCED IN ANALYSIS OF 753 SD:ASAP INTERVIEWS WITH PILOT FORM OF THE LIFE ACTIVITIES INTERVIEW

VERIMAX FACTORS												
ALCOHOL USE			EMPLOYMENT/ INCOME		PHYSICAL HEALTH		MARITAL/SOCIAL SITUATION			Mean	SD	
	1	2	3	4	5	6	7	8	9	10		
2	# Times Drunk Last Month	.22	.58								1.67	3.40
3	# Blackouts Last Month		.76								.26	1.05
4	# Binges Last Month		.56								.19	.77
23	# Days With No Drinks	-.90									5.14	1.79
24	# Days With 1-6 Drinks	.97	-.39								1.33	1.67
25	# Days With Greater Than 7 Drinks	*	.93								.51	.91
26	Total Drinks Last Week	.44	.76	.35							4.16	4.86
1	Monthly Income			.39	.30			.35			488.60	358.25
9	% Full Time Employment			.73	.21						.77	.40
10	No Income Source				-.62						.05	.23
11	Earned Income			.87	.39						.76	.42
12	Support by Pensions			-.60							.08	.27
13	Support by Others			-.27							.06	.23
14	Change in Income				.57						1.02	.48
15	Change in Source				.78						.95	.33
16	Total Job Terminations				-.56						.12	.43
17	Total Fights at Work			.26							.01	.14
18	Total Days Ill Last Month						.66				1.80	3.63
19	Days With Health Problems					.82					2.18	2.94
20	Total Physical Problems Last Wk.					.90					3.28	5.58
34	Total Medical Visits						.83				.30	.91
35	# Drugs and Medicines						.42				.14	.42
5	# Close Friends		.24								4.01	2.68
6	# Hobbies										2.12	1.61
7	# Dependants							.51	.36		2.22	2.94
8	# People Cared For							.26			1.11	1.72
27	Single Marital Status							-.75		-.48	.43	.50
28	Married							.84		-.24	.33	.47
29	Divorced									.94	.20	.40
30	# People Living With							.33			2.15	1.95
31	Change in # People Living With										1.00	.18
32	Recreation Cont. With Others								.90		5.43	5.02
33	# Fights at Home										.17	.87
36	# Stressful Incidents					.21					.23	.65
37	Total Recreational Activities								.93		6.97	5.56
21	Total Self Improvement Actions										.20	.45
22	Total Volunteer Actions										.12	.42
	% Variance Accounted for by Factor	5.5	4.6	4.6	5.6	5.5	4.6	3.9	5.4	5.2	3.5	

*Verimax factor loadings < .20 are omitted from table.

(during the past week) with substantial loadings for "days with 7 or more drinks" and "total drinks last week." Factor 3 is defined by: "times drunk last month," "number of blackouts last month," and "number of binges last month." This factor seems to represent excessive drinking behavior as opposed to simple quantity and frequency of consumption.

Employment/income characteristics are represented by factors 4 and 5. Factor 4 appears to represent employment status, with the positive pole of this dimension indicative of an individual who is employed and who has worked regularly during the preceding month. Factor 5 appears to reflect employment stability with substantial loadings for "change in income," "change in income source," "total job terminations," and "no income source."

Factors 6 and 7 are determined by the five physical health variables included in the analysis. Factor 6 represents the recent frequency of physical complaints, while factor 7 is primarily determined by the "number of medical visits," and the "total days ill last month."

Factors 8, 9, and 10 are formed from nine of the thirteen variables included as representative of the "living situation" domain. Factors 8 and 10 represent two separate life styles with factor 8 defined by the variables "married," "number of dependants" and "number of people living with." Factor 10, on the other hand, is represented by a positive loading for "divorced," and modest negative loadings for "single marital status," and "married." Factor 9 is apparently a recreational activity dimension with positive loadings for: "number of recreational contacts with others," "total recreational activities," and "number of hobbies."

The results of these analyses supported a major revision of the interview protocol. This revision attempted to broaden the instrument in order that each of the hypothesized domains of life activity were more comprehensively represented. To accomplish this purpose, additional interview questions were written to supplement items which had proven suitable in the pilot LAI. Attempts were also made to reformat the protocol in order to eliminate ambiguous questions and to simplify the interviewer's task. The product of this revision is the current form of the LAI which is shown in Appendix D. This interview protocol consists of 81 primary questions which are coded to yield a total of 134 separate scores.

A number of analyses have been performed with data from the revised interview in order to develop preliminary scoring criteria for the construction of life change scores from this instrument. These analyses are based upon interview data obtained on initial intake for the first 1,501 STR clients. Appendix E contains response frequency distributions obtained for each of the LAI items for this subset of STR study participants. Inspection of these frequency distributions led to the selection of 57 variables for use in subsequent analyses. These variables are described in Table 4. Coding of the 57 variables frequently involved consolidation of two or more of the individual questionnaire responses into a higher order composite variable. Attempts were made to scale each of the 57 items in similar metric in anticipation of creating separate factor scores. Means and standard deviations for each of these variables are shown in Table 5.

The first stage of analyses for this 57 variable, 1,501 client, data set was a principal components analysis with unities as the diagonal elements of the correlation matrix. The plot of eigenvalues by the orders of the roots is shown in Figure 23. According to the Kaiser criterion (rejecting roots with eigenvalues less than one) a total of 19 factors would be retained for further analysis. Application of Cattell's scree test,⁸⁻⁹ however, would suggest fewer significant factors. The first scree line in Figure 23 includes roots 13 to 57, suggesting 12 factors. It would appear, however, that a second scree line can be fit to roots 6 to 12, leaving five common factors. Because the purpose of this preliminary analysis was to identify a set of replicable factors which could be used in the development of usable LAI scale scores, the decision was made to accept five common factors for further analysis.

Assuming five factors, the correlation matrix, with squared multiple correlations inserted in the diagonal elements as initial communality estimates was then factored, iterating for communalities. This was followed

⁸Cattell, R. B. The scree test for the number of factors, Multivariate Behavioral Research, April, 1966, 1, 245-275.

⁹Cattell, R. B. Extracting the correct number of factors in factor analysis. Educational and Psychological Measurement, 1958, 18, 791-838.

TABLE 4. DERIVED LAI VARIABLES

NO.	NAME	DESCRIPTION	LAI ITEM(S)
01	PROBLEMATIC UNEMPLOYMENT	YES = 2 IF client works less than 20 hrs./week, is not a student or housewife, and does not list pensions or Social Security as a primary income source. NO = 1 IF above conditions do not apply.	2-4
02	INCOME SOURCE CHANGE	= 1 IF income source has changed and the change is favorable. = 2 IF income source has not changed OR if change has been neutral. = 3 IF income source has changed and the change is unfavorable.	13-14
03	INCOME CHANGE	= 1 IF income change shows increase. = 2 IF income did not change. = 3 IF income change shows decrease.	15-17
04	PROMOTIONS	YES = 1, NO = 2	25
05	BONUSES	YES = 1, NO = 2	28

Table 4. Derived LAI Variables (continued)

NO.	NAME	DESCRIPTION	LAI ITEM(S)
06	AMOUNT JOB TRAINING	= 1 IF no job skill training received. = 2 IF 1-20 hours training. = 3 IF 20-75 hours training. = 4 IF more than 75 hours training.	26-27
07	DISCHARGES FOR CAUSE	YES = 2 IF client fired for drunk driving, or poor work performance. NO = 1 IF no discharges reported, or if discharges were result of strikes, layoffs, etc.	21, 22, 24
08	QUIT JOB	YES = 2, NO = 1	18
09	WORK ARGUMENTS	= 1 IF no work arguments. = 2 IF arguments but no physical attack. = 3 IF arguments and physical attack.	11-12
10	CHEWED-OUT AT WORK	YES = 2, NO = 1	10

Table 4. Derived LAI Variables (continued)

NO.	NAME	DESCRIPTION	LAI ITEM(S)
11	UNACCEPTABLE WORK ABSENCE	YES = 2, NO = 1	09
12	FAMILY INCOME	= 1 IF income less than or equal to \$250. = 2 IF income between \$251-\$500. = 3 IF income between \$501-\$750. = 4 IF income between \$751-\$1000. = 5 IF income greater than \$1000.	5
13	SLEEP/NIGHT	= 1 IF 4 or less hours sleep per night. = 2 IF 5 hours sleep per night. = 3 IF 6 hours sleep per night. = 4 IF 7 hours sleep per night. = 5 IF 8 or more hours sleep per night.	37
14	MEDICAL ATTENTION	YES = 2, NO = 1	39

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Table 4. Derived LAI Variables (continued)

NO.	NAME	DESCRIPTION	LAI ITEM(S)
15	DAYS ILL	= 1 IF no reported days of illness last month. = 2 IF 1-3 days ill. = 3 IF 4 or more days ill.	40
16	PSYCHIATRIC OR PSYCHOLOGICAL HELP	= Number of times client sought psychiatric or psychological help in last six months.	41
17	DRUGS	= Total number of medicines or drugs the client reports using currently. (5 = 5 or more)	36
18	NERVOUS/SLEEP DIFFICULTY	= Number of days with reported problems with nervousness or difficulty sleeping. (5 = 5 or more)	38 (rows 3 and 4)
19	COLDS/FLU	= Number of days with reported problems with colds, flu, etc. (5 = 5 or more)	38 (row 8)

Table 4. Derived LAI Variables (continued)

NO.	NAME	DESCRIPTION	LAI ITEM(S)
20	DRINKS/WEEK	= 0 IF no drinks of beer, wine or liquor reported. = 1 IF 1-5 drinks. = 2 IF 6-10 drinks. = 3 IF 11-35 drinks. = 4 IF 36 or more drinks.	43
76 21	DRIVE WITH 3-4 DRINKS	= Number of times client reports having driven after having 3 or 4 drinks. (5 = 5 or more)	44
22	MOST DRINKS ONE OCCASION	= 0 IF no drinking reported in last month. = 1 IF 1-3 drinks on one occasion. = 2 IF 4-6 drinks on one occasion. = 3 IF 7-12 drinks on one occasion. = 4 IF 13 or more drinks on one occasion.	45

Table 4. Derived LAI Variables (continued)

NO.	NAME	DESCRIPTION	LAI ITEM(S)
23	TIMES DRUNK LAST MONTH	= Number of times client reports having been drunk in preceeding 30 days.	49
24	BLACKOUTS	= Number of times client reports having experienced blackouts or memory lapses in last 30 days.	51
25	DWI LAST MONTH	= Number of times client reports having gotten away with driving while intoxicated last month. (5 = 5 or more)	52
26	CHANGE IN MARITAL STATUS	= 2 IF marital status has not changed in last six months. = 1 IF marital status has changed in last six months.	54
27	COHABITORS	= Number of people the client reports living with. (6 = 6 or more)	56

Table 4. Derived LAI Variables (continued)

NO.	NAME	DESCRIPTION	LAI ITEM(S)
28	CHANGE IN COHABITORS	= 1 IF number of people living with has changed in the last six months. = 2 IF number of people living with has not changed in the last six months.	57
29	CLOSE FRIENDS	= 1 IF client reports having no close friends. = 2 IF 1-2 close friends. = 3 IF 3-5 close friends. = 4 IF 6-9 close friends. = 5 IF 10 or more close friends.	62
30	CHANGE IN NUMBER OF FRIENDS	= 1 IF number of close friends decreased in past six months. = 2 IF no change in number of friends is reported. = 3 IF number of friends increased.	63-65

Table 4. Derived LAI Variables (continued)

NO.	NAME	DESCRIPTION	LAI ITEM(S)
31	PHYSICAL FITNESS	= 0 IF no physical fitness activity reported. = 1 IF once a week or less. = 2 IF several times a week. = 3 IF physical fitness activity is performed every day.	66-67
32	PARTICIPANT SPORTS	= Number of participant sports activities alone or with others. (5 = 5 or more)	69 (row 2)
33	WATCH TV	= Number of times spent watching TV alone or with others last week.	69 (row 10)
34	LEFT HOME/RECREATION WITH FRIENDS	= 0 IF client did not report leaving home for recreation with friends not living with him in the last month. = 1 IF 1-2 times. = 2 IF 3-6 times. = 3 IF 7-14 times. = 4 IF 15 or more times.	70 (row 3)

Table 4. Derived LAI Variables (continued)

NO.	NAME	DESCRIPTION	LAI ITEM(S)
35	LEFT HOME TO GET AWAY	= Number of times client reported leaving home to get away from others in the last month. (5 = 5 or more)	71
36	GIFTS	= Number of times client reported buying gifts for others in the last month. (5 = 5 or more)	72
37	TALKED WITH FRIEND ABOUT PROBLEM	= Number of times client reported having talked with a friend about problems the friend was having. (5 = 5 or more)	73
38	HELPED WITH TASK	= Number of times in last month client reported having helped someone with a task. (5 = 5 or more)	74
39	ENTERTAINED OTHERS	= Number of times last month client reported having entertained others in his home. (5 = 5 or more)	75

Table 4. Derived LAI Variables (continued)

NO.	NAME	DESCRIPTION	LAI ITEM(S)
40	NEW ACQUAINTANCES	= 0 IF no new acquaintances reported in last month. = 1 IF 1-2 new acquaintances. = 2 IF 3-5 new acquaintances. = 3 IF 6-10 new acquaintances. = 4 IF more than 10 new acquaintances.	76
81 41	SERVICE ACTIVITIES	= 0 IF client does not report contribution of time to religious, civic, fraternal, political, or charitable activities in the last month. = 1 IF client reports contributing 1-4 hours. = 2 IF client reports contributing 5-8 hours. = 3 IF client reports contributing 9 or more hours.	77
42	SELF ACCOMPLISHMENT ACTIVITIES	= Number of items listed in question 78 the client checks as having occurred in the last six months. (5 = 5 or more)	78

Table 4. Derived LAI Variables (continued)

NO.	NAME	DESCRIPTION	LAI ITEM(S)
43	DEATH OF FRIEND	= Number of times in the last six months the client reported having experienced a personal loss because of the death of a friend or relative. (4 = 4 or more)	79
44	INJURY OF FRIEND	= Number of times in the last six months the client reports having been emotionally upset because of serious injury or illness of friend or relative. (4 = 4 or more)	80
45	DONATIONS	= Number of times in the last six months the client reports having made contributions to charitable organizations. (4 = 4 or more)	81
46	MARRIED	YES = 2, NO = 1	53
47	DAYS MISSED WORK	= Number of days or work missed last month. (5 = 5 or more)	6

Table 4. Derived LAI Variables (continued)

NO.	NAME	DESCRIPTION	LAI ITEM(S)
48	HOURS WORKED/WEEK	= 1 IF client reports working 0 hours per week. = 2 IF between 1-20 hours. = 3 IF between 21-40 hours. = 4 IF more than 40 hours.	3
49	DAYS WITH HEALTH PROBLEMS	= Number of days last week on which one or more physical problems were reported.	38
50	WEEKDAYS WITH DRINKS	= Number of weekdays (Monday - Thursday) in last week on which the client reported having one or more drinks.	43
51	WEEKENDS WITH DRINKS	= Number of weekend days (Friday - Sunday) in last week on which the client reported having one or more drinks.	43
52	BEER DRINKER	= 2 IF client reported consuming more beer than other alcoholic beverages last week.	43

Table 4. Derived LAI Variables (continued)

NO.	NAME	DESCRIPTION	LAI ITEM(S)
		= 1 IF client did not drink last week, or if he reported drinking more wine or liquor than beer.	
53	DRINKING AWAY FROM HOME	= 1 IF client reports having done most of his drinking at home in the last month. = 2 IF client reports having done most of his drinking away from home in the last month.	48
54	DEPENDENTS	= Number of people dependent upon the client for more than one-half of their support. (5 = 5 or more)	59
55	ACTIVITY ALONE	= Number of separate activities listed in question 69 the client reports having participated in alone. (5 = 5 or more)	69
56	BARS & NIGHTCLUBS	= Number of times last week the client reported having gone to bars or night-clubs either alone or with others.	69 (row 4)

Table 4. Derived LAI Variables (continued)

NO.	NAME	DESCRIPTION	LAI ITEM(S)
57	LEFT HOME/ RECREATION WITH FAMILY	= Number of times last month the client reports having left home for recreation with family or friends living with him. (5 = 5 or more)	70 (row 1)

TABLE 5. MEANS AND STANDARD DEVIATIONS OF 57 DERIVED LAI VARIABLES. N = 1501

#	Variable	Mean	Standard Deviation
1	Problematic unemployment.	1.1346	0.3641
2	Income source change.	2.0147	0.5226
3	Income change.	2.1785	0.7053
4	Promotions.	1.7450	0.4360
5	Bonuses.	1.7459	0.4355
6	Amount job training.	1.5143	1.0234
7	Discharges for cause.	1.0366	0.1879
8	Quit job.	1.1059	0.3078
9	Work arguments.	1.0833	0.2788
10	Chewed-out at work.	1.0700	0.2552
11	Unacceptable work absence.	1.0486	0.2152
12	Family income.	3.3391	1.4684
13	Sleep/night.	4.1292	1.0279
14	Medical attention.	1.2072	0.4087
15	Days ill.	1.2365	0.5604
16	Psychological help.	1.9713	0.1709
17	Drugs	0.8794	1.0854
18	Nervous/sleep difficulty.	0.7447	1.5840
19	Colds/flu.	0.4100	1.2592
20	Drinks/week.	1.6942	1.2766
21	Drive with 3-4 drinks.	1.1153	1.7191
22	Most drinks one occasion.	2.2105	1.1892
23	Times drunk last month.	0.7975	1.3629
24	Blackouts.	0.0859	0.3595
25	DWI last month.	0.3837	1.0434
26	Change marital status.	1.9430	0.2348
27	Cohabitors.	2.3917	1.7281
28	Change in cohabitors.	1.7782	0.4156
29	Close friends.	2.8991	1.1291
30	Change in close friends.	2.0633	0.3697
31	Physical fitness.	0.7682	1.0530
32	Participant sports.	1.0507	1.4621
33	Watch TV.	0.8281	1.8676
34	Left home/rec. with friends.	2.4617	1.3464
35	Left home/get away.	0.6922	1.4904
36	Gifts.	1.1805	1.4367
37	Talked with friend about problem.	1.3944	1.7732
38	Helped with task.	2.0147	1.8439
39	Entertained others.	1.6582	1.8169
40	New acquaintances.	1.4137	1.4014

Table 5 continued on next page.

Table 5. Means and Standard Deviations of 57 Derived LAI Variables. N - 1501 (Continued)

#	Variable	Mean	Standard Deviation
41	Service activities.	0.5676	1.1822
42	Self accomplishment activit.	2.4677	1.7138
43	Death of friend.	0.2891	0.6411
44	Injury of friend.	0.3358	0.7460
45	Donations.	1.0566	1.2859
46	Married.	1.4803	0.5024
47	Days missed work.	0.7981	1.4450
48	Hours worked.	2.9624	1.0462
49	Days with health problem.	2.2145	2.7953
50	Weekdays with drinks.	1.1552	1.3621
51	Weekends with drinks.	1.2565	1.0906
52	Beer drinker.	1.6089	0.4882
53	Drinking away from home.	1.4920	0.5017
54	Dependants.	1.6847	1.6797
55	Activity alone.	1.0013	1.0777
56	Bars and nightclubs.	0.7189	1.1763
57	Left home/rec. with family.	2.2693	2.1228

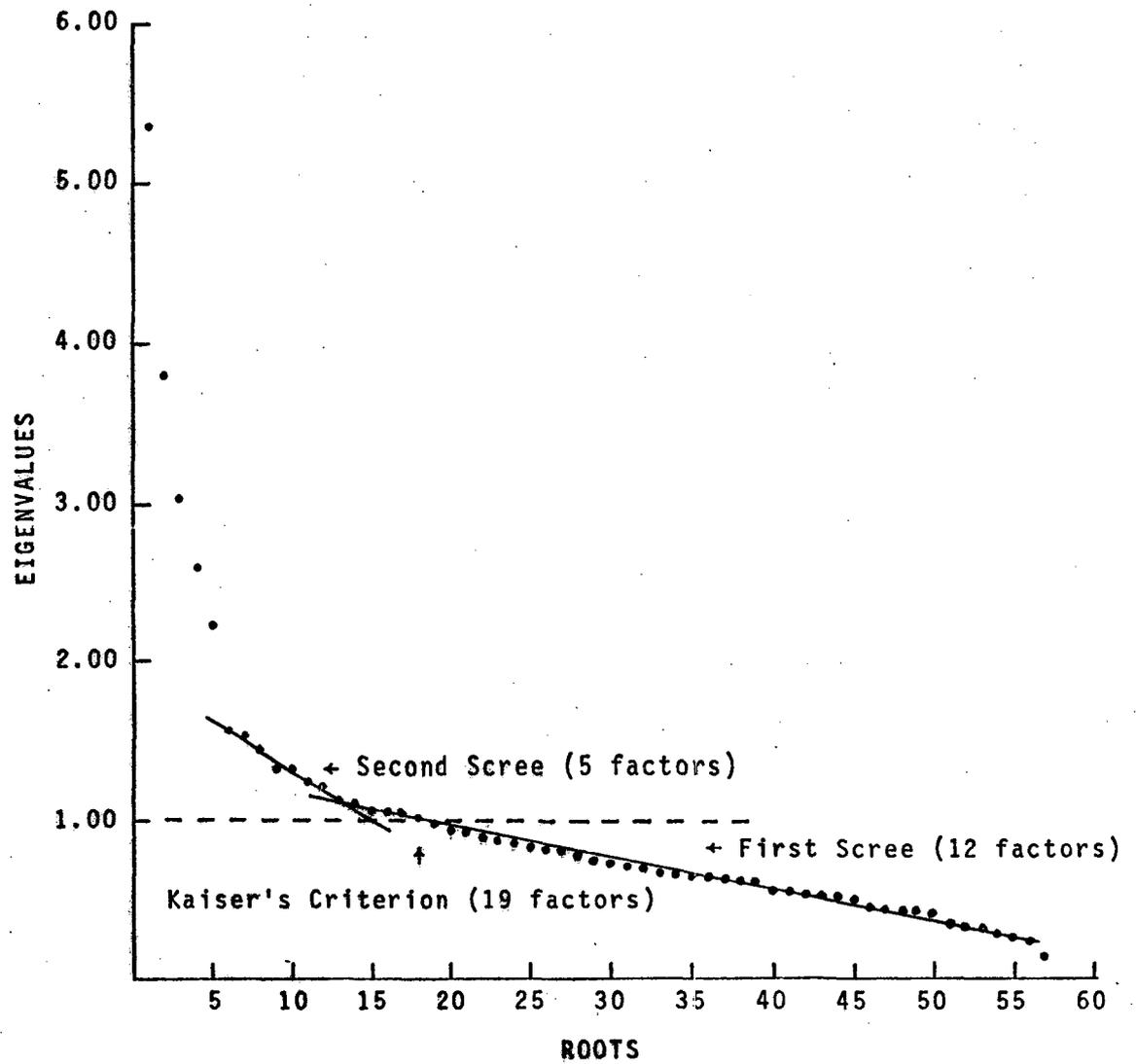


FIGURE 23. EIGENVALUES PLOTTED BY THEIR ORDER BASED ON PRINCIPAL COMPONENTS (UNITIES IN DIAGONAL) ANALYSIS OF 57 ITEM LAI SCALE. N = 1501 CLIENTS

in turn by Verimax (orthogonal) and then Promax (oblique) rotations in an effort to achieve a reasonable approximation to a simple structure solution. No attempts were made in these preliminary analyses to supplement these automatic rotational procedures with graphic rotational methods, although this procedure is recommended for further analyses of the LAI instrument. Tables 6 through 10 summarize the results of the final stage (Promax solution) of these analyses. The factor matrices produced by the iterative factor analysis, the Verimax rotation, and the full Promax rotation are shown in Appendix F.

The first Promax factor is defined by eight items, all of which represent alcohol consumption variables. Table 6 shows the Promax loadings of these variables on this factor, as well as the loadings of the indicator variables on the remaining four factors. Also shown in this table are the correlations and cosines between the Alcohol Use factor and the remaining four factors, and the intercorrelation submatrix for the eight marker items.

The second factor appears to represent Income/Employment characteristics of the STR clients. This factor is primarily influenced by the five variables indicated in Table 7.

The third Promax factor is a rather broad Socialization/Social Activity dimension with significant loadings for 10 of the 57 derived LAI items. The variables indicated in Table 8 reflect both the frequency of recreational or leisure time activities of the client, and also the extent to which the client interacts with others.

Family/Marital Status is represented by the fourth factor which shows substantial loadings for a total of five variables which are identified in Table 9. Individuals scoring high on this dimension are likely to be married, living with and supporting others, and would tend to spend time with this family group.

The final factor is defined by five variables which relate to problems with the client's physical health. This factor is summarized in Table 10.

Table 11 shows the intercorrelations among the five Promax factors obtained through these analyses. This matrix of factor correlations indicates that the final factor solution departs substantially from orthogonality. Factors I (Alcohol Use) and V (Physical Health) are formed such that high scores would tend to indicate a greater quantity/frequency/problems of alcohol use in the first case,

TABLE 6. SUMMARY OF LAI FACTOR I: ALCOHOL USE

Variable	Promax Loading	Loadings on Remaining Factors				
		II	III	IV	V	
20 Drinks/Week	.89	.05	.01	.07	-.12	
21 Drive W. 3-4 Drinks	.49	-.04	-.02	-.02	.12	
22 Most Drinks One Occ.	.63	-.04	-.00	-.02	-.00	
23 Times Drunk	.45	-.08	-.00	-.10	.19	
25 DWI Last Month	.37	-.05	-.06	-.05	.18	
50 Weekdays W/Drinks	.63	.06	.07	.11	-.04	
51 Weekends W/Drinks	.75	.08	.07	.07	-.13	
52 Beer Drinker	.53	-.01	.00	.06	-.11	
Between Factors:						
Correlation			-.20	.14	-.32	.32
Cosine			.13	-.12	.21	-.22

	20	21	22	23	25	50	51	52
20	1.00	.44	.65	.44	.31	.70	.82	.57
21	-	1.00	.46	.45	.59	.30	.37	.22
22	-	-	1.00	.51	.33	.39	.49	.40
23	-	-	-	1.00	.53	.28	.32	.22
25	-	-	-	-	1.00	.22	.25	.14
50	-	-	-	-	-	1.00	.58	.37
51	-	-	-	-	-	-	1.00	.49
52	-	-	-	-	-	-	-	1.00

TABLE 7. SUMMARY OF LAI FACTOR II: INCOME/EMPLOYMENT

Variable	Promax Loading	Loading on Remaining Factors			
		I	III	IV	V
01 Problem Unemployment	-.72	-.02	.06	.02	-.00
02 Income Source Change	.47	.05	-.07	-.10	-.04
03 Income Change	.52	.05	.01	-.03	-.05
12 Family Income	.50	.03	.12	.20	-.08
48 Hours Worked/Week	.75	.06	-.04	-.03	-.02
Between Factors:					
Correlation		-.20	.19	.29	-.15
Cosine		.13	-.24	-.23	.09

Income/Employment Variable Intercorrelations					
	01	02	03	12	48
01	1.00	-.37	-.39	-.44	-.73
02	-	1.00	.49	.19	.35
03	-	-	1.00	.37	.38
12	-	-	-	1.00	.53
48	-	-	-	-	1.00

TABLE 8. SUMMARY OF LAI FACTOR III: SOCIALIZATION/SOCIAL ACTIVITY.

Variable	Promax Loading	Loadings on Remaining Factors			
		I	II	IV	V
31 Physical Fitness	.45	-.03	-.13	-.06	-.14
32 Participant Sports	.40	.03	-.10	-.01	-.15
34 Left Home/Recreation Friends	.44	.13	-.03	-.34	-.17
36 Gifts	.41	-.05	.02	.05	.02
37 Talk with Friend/ Problems	.41	.01	-.00	-.15	.10
38 Helped with Task	.45	.02	-.17	-.04	.07
39 Entertained Others	.47	.05	-.05	-.01	-.07
40 New Acquaintances	.43	.00	-.03	-.01	.03
42 Self Accomp. Act.	.44	-.05	.15	.08	.08
29 Close Friends	.30	.02	.04	-.09	-.10
Between Factors:					
Correlation		.14	.19	-.06	.17
Cosine		-.12	-.24	.04	-.15

	29	31	32	34	36	37	38	39	40	42
29	1.00	.09	.08	.24	.11	.19	.16	.17	.20	.07
31	-	1.00	.43	.26	.16	.13	.13	.17	.16	.17
32	-	-	1.00	.28	.13	.08	.13	.18	.17	.09
34	-	-	-	1.00	.12	.28	.27	.27	.21	.11
36	-	-	-	-	1.00	.19	.24	.21	.19	.23
37	-	-	-	-	-	1.00	.31	.25	.25	.19
38	-	-	-	-	-	-	1.00	.31	.26	.15
39	-	-	-	-	-	-	-	1.00	.18	.22
40	-	-	-	-	-	-	-	-	1.00	.23
42	-	-	-	-	-	-	-	-	-	1.00

TABLE 9. SUMMARY OF LAI FACTOR IV: FAMILY/MARITAL STATUS.

Variable	Promax Loading	Loadings on Remaining Factors			
		I	II	III	V
27 Cohabitors	.52	.11	-.12	-.02	.07
46 Married	.77	.06	.02	-.05	.06
54 Dependants	.69	.08	.03	-.08	.14
55 Activity Alone	-.46	-.04	.02	.08	.07
57 Left Home/Rec. Family	.43	.11	-.11	.35	-.00
Between Factors:					
Correlation		-.32	.29	-.06	-.27
Cosine		.21	-.23	.04	.16

	27	46	54	55	57
27	1.00	.34	.53	-.28	.25
46	-	1.00	.60	-.42	.35
54	-	-	1.00	-.33	.22
55	-	-	-	1.00	-.22
57	-	-	-	-	1.00

TABLE 10. SUMMARY OF LAI FACTOR V: PHYSICAL HEALTH

Variable	Promax Loading	Loadings on Remaining Factors			
		I	II	III	IV
15 Days Ill Last Month	.43	-.10	.05	.03	.05
17 Drugs	.37	-.05	-.04	.10	.02
18 Nervous/Sleep Diff.	.54	-.05	-.07	-.05	.02
19 Colds/Flu	.37	-.08	.04	-.02	.07
49 Days with Health Prob	.72	-.12	-.01	-.04	.10
Between Factors:					
Correlation		.32	-.15	.17	-.27
Cosine		-.22	.09	-.15	.16

	15	17	18	19	49
15	1.00	.17	.16	.30	.30
17	-	1.00	.21	.17	.31
18	-	-	1.00	.09	.59
19	-	-	-	1.00	.44
49	-	-	-	-	1.00

TABLE 11. INTERCORRELATIONS AMONG THE FIVE PROMAX FACTORS OF THE LAI

		I	II	III	IV	V
Alcohol Use	I	--	-.20	.14	-.32	.32
Income/Work	II	-.20	--	.19	.29	-.15
Socialization	III	.14	.19	--	-.06	.17
Family/Marital	IV	-.32	.29	-.06	--	-.27
Physical Health	V	.32	-.15	.17	-.27	--

and a greater number of health complaints in the second. Thus, high scores on these factors would tend to suggest a less desirable life situation. High scores on the remaining factors might, however, be interpreted as indicating relatively better adjustment. High scores on Factor II (Income/Employment) would, for example, be produced by an individual showing no problematic unemployment, favorable income source changes, increased income, a high family income, and a large number of hours worked per week. A high score on Factor III (Socialization/Social Activity) would be obtained by an individual who had reported a large number of social contacts and activities, while a high score on Factor IV (Family/Marital Status) would be achieved by an individual who was married, living with a number of dependants, and who engaged in recreational activities with the family but did not report engaging in recreational activities alone.

As might be expected, Factors I and V tend to be negatively related to the other factors (with the exception of Factor III which shows small positive correlations with Factors I and V: .14 and .17 respectively); and positively correlated (.32) with each other.

It should be emphasized that the factors identified by the analyses conducted during the present contract period are considered to be a preliminary estimate of the dimensionality of the LAI data set. Additional analyses which attempt to replicate this factor structure, and which attempt to expand each of the scales is considered essential to the delineation of a final set of life status scales from this instrument. It might be noted in this connection that the decision to accept five rather than a larger number of factors in these analyses was motivated largely by the practical constraint of providing (with minimum delay) a set of LAI life change scores which could be used by the STR sites in preliminary analyses of STR treatment effectiveness. To this end the five Promax factors described above were used in the creation of a set of LAI scale scores which have been incorporated in the STR Master File. Two sets of LAI factor scores have been inserted in the STR Master File, with each set consisting of a single scale score for each of the five factors. Preparatory to the creation of each set of factor scores, the 57 derived LAI items were created from the set of 134 raw LAI responses for each of the LAI interview data sets contained in the STR Master File (approximately 3,744 cases as of the date of this report). Each of these 57 variables, for each of the 3,744 cases, was then transformed to standard score form using the estimates of means and standard deviations obtained in previous analyses with the initial

1,501 STR clients (see Table 5). The first set of five LAI scales was created simply by summing the salient variables for each factor. Thus the Alcohol Use score (Factor I) was obtained, for each client, as the sum of the standard scores for variables 20, 21, 22, 23, 25, 50, 51, and 52. Similar unweighted salient¹⁰ scores were obtained for each of the remaining four factors, with the salient or marker variables receiving unit weight and the remaining variables receiving 0 weight in each computation.

The second set of scale scores calculated from the LAI interview data again utilized only the salient variables for each factor, but weighted each variable by its Promax loading on the factor of interest. The weighted salient scale score for a client on Factor I (Alcohol Use) is obtained as follows with this procedure:

$$Y_I = Z_{20}(.89) + Z_{21}(.49) + Z_{22}(.63) + Z_{23}(.45) + Z_{25}(.37) + Z_{50}(.63) + Z_{51}(.75) + Z_{52}(.53).$$

Appendix G contains summaries of the LAI scale measures for those cases currently contained in the STR data base, as well as preliminary comparisons between initial and six month follow-up score for treatment and no-treatment clients.

Future analyses of the LAI instrument might profitably consider the use of other methods for calculating separate scale scores. This was not considered appropriate at the present stage of instrument development, however. Such analyses should consider the possibility that a greater number of dimensions than the present five characterize this instrument. These analyses will be possible when the initial data collection phase of the STR Study has been completed and the data from the entire STR Study population has been added to the data base. Until that time, however, the present set of scale scores are considered to represent a reasonable set of life change scores for use in preliminary project and program level analyses.

¹⁰Horn, J. L. An empirical comparison of methods for estimating factor scores. Educational and Psychological Measurement, 1965, 25, 313-322.

CSQ and PAS Questionnaires

Unlike the LAI interview protocol, the Current Status Questionnaire and the Personality Assessment Survey represent life status/life change instruments which had been developed prior to the design of the present study. Both questionnaires have been included in an extensive program of alcohol treatment evaluation research conducted by researchers at the University of Denver and the Fort Logan Mental Health Center (Fort Logan, Colorado).^{11·12·13·14} These instruments are reproduced in Appendix H.

The Current Status Questionnaire as used in the STR Study is an 82 item self-administered questionnaire instrument. The items contained in this instrument are representative of seven scales identified factor analytically by the Fort Logan researchers. The scales represent the following dimensions:

- | | |
|--|------------|
| I. Social & Residential Stability | - 10 items |
| II. Job Satisfaction & Economic Productivity | - 11 items |
| III. Health, Hygiene, & Nutrition | - 13 items |
| IV. Current Drinking Pattern & Problems | - 9 items |
| V. Sociopathy - Acting Out | - 12 items |
| VI. Social Withdrawal & Alienation | - 12 items |
| VII. Marital Problems | - 12 items |

¹¹Horn, J. L. and Wanberg, K. W. Symptom patterns related to excessive use of alcohol. Quarterly Journal of Studies on Alcohol, 1969, 30, 35-58.

¹²Horn, J. L. and Wanberg, K. W. Dimensions of perception of background and current situation of alcoholic patients. Quarterly Journal of Studies on Alcohol, 1970, 31, 633-658.

¹³Foster, F. M., Horn, J. L., and Wanberg, K. W. Dimensions of treatment outcome: A factor-analytic study of alcoholics' responses to a follow-up questionnaire. Quarterly Journal of Studies on Alcohol, 1972, 33, 1079-1098.

¹⁴Horn, J. L., Wanberg, K. W., and Adams, G. Diagnosis of alcoholism: Factors of drinking, background and current conditions in alcoholics. Quarterly Journal of Studies on Alcohol, 1974, 35, 147-175.

For purposes of scoring the CSQ data for preliminary project and program level analyses, seven factor scores (computed as unweighted salient scores from the items associated with each of the above factors) have been created and included in the STR Master File for initial and follow-up interview cases. Although the population sampled in the development of the CSQ (an inpatient alcohol treatment group) is probably not identical to the population sampled by the STR Study, the scoring procedures described are considered appropriate for preliminary analyses. Future treatment of these data should, of course, include attempts to replicate the factor structure identified by the Fort Logan researchers. This process will be possible when the collection of initial intake questionnaires is complete for the STR Study.

The Personality Assessment Survey (PAS) used in the STR Study is a 151 item instrument composed of MMPI type items representing 14 scales identified by the Fort Logan group. The PAS scales included in the STR Study version of this questionnaire are:

- | | |
|---|------------|
| 1. Depression | -- 9 items |
| 2. Indecisive Worry & Guilt | -- 8 items |
| 3. Hypersensitivity, Tension | -- 8 items |
| 4. Self-confidence & Acceptance | -- 8 items |
| 5. Hypochondria | --12 items |
| 6. Impulsive-Aggressive, Acting Out | - 12 items |
| 7. Phobias, Fears | - 12 items |
| 8. Paranoid Fear/Mistrust | - 12 items |
| 9. Anamalous Thoughts & Percepts | - 12 items |
| 10. Machiavellistic Projection & Mistrust | - 12 items |
| 11. Manic, Outgoing | - 12 items |
| 12. Experimenting Moralism | - 12 items |
| 13. Extraversion | - 10 items |
| 14. Intellectual-Esthetic Pursuits | - 12 items |

As was the case for the CSQ, the preliminary PAS scale scores which are included in the STR Master File were obtained as unweighted salient factor scores. These preliminary PAS factor scores were created by summing the responses defining each of the fourteen PAS factors (responses were not standardized prior to factor score computation for this instrument) to yield a set of 14 PAS scores for each completed initial and follow-up questionnaire contained in the file. Again, it should be noted that the completion of the initial data collection phase of the STR Study will permit a more intensive reanalysis of this instrument, including the attempt to replicate the Fort Logan factor structure, and to refine the calculation of PAS factor scores.

APPENDIX A
STR Site and Modality Description Questionnaires

I. General STR Description

Project: _____

A. List each STR assignment group (eg. PMT only, PMT and Alcohol School, minimum exposure, etc.) and indicate anticipated number of referrals during the study period:

- 1. _____ # _____
- 2. _____ # _____
- 3. _____ # _____
- 4. _____ # _____
- 5. _____ # _____
- 6. _____ # _____
- 7. _____ # _____
- 8. _____ # _____

B. Briefly describe procedures for random assignment:

I. General STR Description Con't Project: _____

C. Describe pre-screening procedures used to select candidates for assignment to STR modalities:

II. Individual Modality Description (Complete for each separate modality including minimum exposure or probation only) Project: _____

Modality Name: _____

- A. Number of sessions: _____ Frequency of sessions: _____
- B. Average length of each session: _____
- C. Duration of treatment: _____
- D. Average number of clients per program: _____
- E. Number of instructors/therapists who interact with clients at each session of program: _____
- F. Training/background of instructors/therapists:

- G. Who pays the cost of this modality?

- H. For what type of individual is this treatment program primarily designed (social drinkers, mid-range problem drinker, problem drinker, alcoholic, etc.)?

II. Individual Modality
Description Con't

Project: _____

- I. What is the primary objective(s) or goal(s) of this modality? (What characteristics of the individual does the modality attempt to change?)
- J. What strategies or procedures are used in this modality to achieve the goals indicated in the previous question? (Attach syllabus or curriculum if available).

II. Individual Modality
Description Con't

Project: _____

K. What is done with individuals who are referred, but do not begin participation in this modality (no-shows)? If re-starts are allowed, how many times will the client be rescheduled?

L. What is done with individuals who drop-out of this modality? How many drop-out/re-starts are allowed?

II. Individual Modality
Description Con't

Project: _____

- M. Is probation normally used in conjunction with this modality? Describe the probation mechanism (eg., reporting probation with face to face interviews at periodic intervals, etc.). Indicate frequency of contacts, length of each contact, and total duration of probation.

APPENDIX B

**ASAP Short Term Rehabilitation Study
Life Activities Inventory: Section Four
Initial Records Check**

which add
to the
total of the
inventory.

**ASAP SHORT TERM REHABILITATION STUDY
LIFE ACTIVITIES INVENTORY: SECTION FOUR
INITIAL RECORDS CHECK**

**U.S. DEPARTMENT
OF TRANSPORTATION**

**NATIONAL HIGHWAY TRAFFIC
SAFETY ADMINISTRATION**



Completion of the Life Activities Inventory

The Highway Safety Act of 1966 (23 U.S.C. 403) authorizes the collection of this information in order to determine the relative and absolute program level effectiveness of short term alcohol rehabilitation treatment programs in terms of arrest recidivism and/or production of positive life adjustments. Not providing this information will result in elimination from participation in the Short Term Rehabilitation (STR) study, including referral to STR treatment. Disclosure of this information is voluntary.

PROJECT DRINKER CLASSIFICATION _____

CHECK ALL OF THE FOLLOWING WHICH APPLY TO THE CLIENT

- Diagnosis as an alcoholic by a competent medical or treatment facility.
- Self admission of alcoholism or problem drinking
- A BAC of .15 percent or more at the time of arrest.
- A record of one or more prior alcohol-related arrests.
- A record of previous alcohol-related contacts with medical, social, or community agencies.
- Reports of marital, employment or social problems related to alcohol.
- Diagnosis of problem drinker on the basis of approved structured written diagnostic interview instruments, i.e., MAST, Mortimer-Filkins, NCA and Johns Hopkins diagnostic tests.

MORTIMER-FILKINS SCORES

Questionnaire (Form A)

Interview (Form B)

Total

INDEX ARRESTS INFORMATION

CHARGE CONVICTED OF (Check one)

- 1 Driving under the influence, driving while intoxicated, or equivalent
- 2 Lesser alcohol related offense (driving while impaired, etc.)
- 3 Non-alcohol related offense (reckless driving, etc.)

PUNITIVE SANCTIONS

	Sentenced	Actually Imposed
Jail (in days)		
Fine (in whole dollars)		
Length of license suspension/revocation (in days)		

BLOOD ALCOHOL CONCENTRATION

- % code 2 digits (i.e., .1 = 10); leave blank if no BAC is available and specify reason below
- 98 refused test or not taken
- 99 test taken but not available

REHABILITATION ASSIGNMENT AS THE RESULT OF THE INDEX ARREST

Enter project designation for Short Term Rehabilitation (STR) group assignment (i.e. PMT, minimum exposure, alcohol safety school + group therapy, control, etc.)

[][]
[][]

List by treatment modality name all rehabilitation entered as the result of the index arrest, the name of the instructor/therapist for the modality, and the entry date (or expected entry date) for each treatment modality.

TREATMENT MODALITY	INSTRUCTOR/THERAPIST NAME	ENTRY DATE (or Expected Entry Date) month- day -year
[][]	[][][][]	[][]/[][]/[][][][][][]
[][]	[][][][]	[][]/[][]/[][][][][][]
[][]	[][][][]	[][]/[][]/[][][][][][]
[][]	[][][][]	[][]/[][]/[][][][][][]
[][]	[][][][]	[][]/[][]/[][][][][][]
[][]	[][][][]	[][]/[][]/[][][][][][]
[][]	[][][][]	[][]/[][]/[][][][][][]

TRAFFIC OFFENSES RECORDS CHECK

A. For the following categories of traffic offenses, record the total number of arrests and/or convictions incurred by the client during the four year period prior to and including the index arrest.

OFFENSE	Enter number	
Driving While Under the Influence, Driving While Intoxicated, or Equivalent	<input style="width: 60px; height: 20px;" type="text"/>	<input style="width: 30px; height: 20px;" type="checkbox"/>
Lesser Alcohol Related Offense	<input style="width: 60px; height: 20px;" type="text"/>	<input style="width: 30px; height: 20px;" type="checkbox"/>
Reckless Driving	<input style="width: 60px; height: 20px;" type="text"/>	<input style="width: 30px; height: 20px;" type="checkbox"/>
Hazardous Moving Violations (other than those above)	<input style="width: 60px; height: 20px;" type="text"/>	<input style="width: 30px; height: 20px;" type="checkbox"/>
Other Traffic Offenses	<input style="width: 60px; height: 20px;" type="text"/>	<input style="width: 30px; height: 20px;" type="checkbox"/>

NON-TRAFFIC OFFENSES RECORDS CHECK

A. For the following categories of non-traffic offenses, record the total number of arrests and/or convictions incurred by the client during the four year period prior to and including the index arrest.

OFFENSE	Enter number	
Property Crimes (Burglary, Robbery, etc.)	<input type="text"/>	[]
Assault/Battery.	<input type="text"/>	[]
Sex Crimes (Rape, Indecent Exposure, etc.)	<input type="text"/>	[]
Public Intoxication	<input type="text"/>	[]
Other Crimes	<input type="text"/>	[]

APPENDIX C
Preliminary LAI Interview Protocol

LIFE ACTIVITIES INVENTORY

RESPONDENT NAME _____

DATE OF INTERVIEW _____

OFFICE USE ONLY				
CASE ID # _____				
PSI # _____				
MF-Q	MF-I	MF-T	_____	
DC:	1	2	3	4

PART I

1. How many days per week have you worked for the past four weeks (to the nearest ½ day)?

last week	2 weeks ago	3 weeks ago	4 weeks ago
_____	_____	_____	_____

(Interviewer record number of available working days per week for each week - exclude holidays, etc.)

_____	_____	_____	_____
-------	-------	-------	-------

2. What is (are) your primary source(s) of income at the present time?
(Record whether receiving salary/wage and any other income sources, e.g., spouse's income, family, pensions, social security, interest, etc.) If self employed, indicate whether business or farming.



Has your source of income changed in the last six months?
 _____ Yes _____ No

If yes, list previous source(s) _____



3. What is your present total monthly income? _____
 Has this changed in the last six months? _____ Yes _____ No

If yes, indicate the reason for the change (not just increase or decrease.)



4. How many times have you quit or been discharged from any job in the last six months? _____ number of times. If not 0, why for each time?

(Record any type discharge, including layoffs. Indicate whether each discharge was alcohol-related or not).

5. Which days in the past week have you had an argument or fight with the following people? *(Interviewer inquire about and include being "chewed out" by supervisor and "chewing out" subordinates.)*

	Mon	Tues	Wed	Thu	Fri	Sat	Sun	None
with supervisors								
with subordinates								
with co-workers								
others								

Have any of these involved physical attack or injury?
(If so, indicate which ones by circling the appropriate check mark.)

PART II

6. How many days per week have you been sick for the last four weeks?
(Record any illness whether it forced the individual to miss work or not.)

last week 2 weeks ago 3 weeks ago 4 weeks ago

7. Are you presently taking any medication? _____ Yes _____ No
 If yes, what kind, for what reason, and is it a prescription or non-prescription medication?

(Interviewer inquire about frequent or habitual use of tranquilizers, aspirin, or other non-prescription drugs, and determine whether or not the useage of such medications are alcohol related. Attempt to determine useage of restricted drugs (i.e., marijuana, hallucinogens, Amphetamines, Barbituates, etc.) especially in conjunction with alcohol consumption.)

8. How many times in the past month have you visited a doctor, hospital, or other medical treatment facility for your own health care?
 _____ number of times.

If not zero, why for each time? _____

9. Check each day within the last week that you have been bothered by each of the following. Do not include specifically alcohol related ailments.

	Mon	Tue	Wed	Thu	Fri	Sat	Sun	None
<u>Digestive problems</u>								
<u>Headache</u>								
<u>Sleep difficulty</u>								
<u>Nervousness</u>								
<u>Unusual fatigue and weakness</u>								
<u>Allergies, sinus, asthma, etc.</u>								
<u>Minor colds, flu, etc.</u>								
<u>Muscular aches</u>								

PART III

10. Are you presently engaged in any type of self improvement activity (e.g., physical fitness programs, educational/training programs, etc.)? Yes No

If yes, what are they? _____

11. Do you engage in any volunteer (non-paid) activities such as Boy Scouts, Red Cross, civic, religious, or political activities? Yes No

If yes, what are they? _____

PART IV

12. How many of each of the following kinds of drinks have you had on each day of the past week?

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
12 oz. bottle or cans of beer							
1 oz. drink-liquor							
4 oz. glass-wine							

13. How many times in the past 30 days have you been drunk? _____
14. How many times in the past 30 days have you experienced lapses of memory or blackouts after drinking?
 (Interviewer explain the difference between blackouts and physically passing out. Record blackouts only.)

15. How many times in the past 30 days have you been drunk for more than one day at a time? _____ And, for each time, how many days?

PART V

16. What is your current marital status? _____
(Single, engaged, married, separated, divorced, widowed are the only permissible categories. If respondent is married but not presently residing with spouse, record "separated." If single, inquire whether respondent has ever been married and record as appropriate.)

17. Are you presently living alone or with others? _____ Alone
_____ With others If living with others, how many and what is the relationship of each of them to you?

Has this changed in the last six months? _____ Yes _____ No

If yes, how? _____

18. Have you or any of your relatives or close friends died or suffered critical physical or emotional illness or injury in the last six months? _____ Yes _____ No

If yes, what happened and to whom? _____

19. How many close or intimate friends (excluding immediate family) do you have that you could go to, to talk out a particular problem you might have? _____ Has this number changed in the last six months? No change _____ Increase _____ Decrease _____

20. During the past week, what activities have you engaged in for recreation or entertainment with each of the following people? (Write the activity in the appropriate box. Include going out to dinner, or to visit friends, TV, hobbies, etc. Indicate "A" next to activities occurring away from home. Indicate "H" next to activities occurring at home. NOTE: If respondent indicates going to a bar or party, inquire as to whether alcohol was consumed. If so, or if drinking has been indicated as an activity, make sure the amount consumed was indicated in question 12. NOTE: It is unlikely that a person will not engage in at least some recreational activity during a week.)

	Mon	Tue	Wed	Thu	Fri	Sat	Sun	H	A
Spouse or opposite sex companion									
Children									
Parents									
Siblings									
Friends									
Alone									
O									
A									

21. Which days in the past week have you had an argument or fight with any of the following people?

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Spouse/opp. sex comp.							
Children							
Parents							
Brothers or sisters							
Friends							

Have any of these involved physical attack or injury?
(If so, indicate which ones by circling the appropriate check mark)

22. Other than job or family related responsibilities, what activities or interests do you spend time on for your personal enjoyment? (Hobbies, recreational activity, etc.)

Has this changed in the last six months? No change _____
Increase _____ Decrease _____

23. How many people do you financially support? _____
(Include respondent in this total.)

24. How many people do you take care of (cooking, cleaning, personal attention, etc.)? _____
(Male respondents participating in family care should be included for this item.)

APPENDIX D

ASAP Short Term Rehabilitation Study
Life Activities Inventory: Section Three
Initial Interview

ASAP SHORT TERM REHABILITATION STUDY
LIFE ACTIVITIES INVENTORY: SECTION THREE
INITIAL INTERVIEW

U.S. DEPARTMENT
OF TRANSPORTATION

NATIONAL HIGHWAY TRAFFIC
SAFETY ADMINISTRATION



Completion of the Life Activities Inventory

The Highway Safety Act of 1966 (23 U.S.C. 403) authorizes the collection of this information in order to determine the relative and absolute program level effectiveness of short term alcohol rehabilitation treatment programs in terms of arrest recidivism and/or production of positive life adjustments. Not providing this information will result in elimination from participation in the Short Term Rehabilitation (STR) study, including referral to STR treatment. Disclosure of this information is voluntary.

BACKGROUND INFORMATION

AGE _____

DATE OF BIRTH _____/_____/_____
month day year

SEX

- 1 Male
- 2 Female

RACE

- 1 Caucasian/Anglo
- 2 Black
- 3 Mexican American
- 4 American Indian
- 5 Oriental
- 6 Other

RELIGIOUS PREFERENCE

- 1 Protestant
- 2 Catholic
- 3 Jewish
- 4 Other Religious Preference
- 5 No Religious Preference

RESIDENCE

- 1 In ASAP Jurisdiction
- 2 Outside ASAP Jurisdiction

EDUCATION (Circle highest completed)



GRADE SCHOOL	HIGH SCHOOL	COLLEGE	POST COLLEGE
1 2 3 4 5 6 7 8	1 2 3 4	1 2 3 4	1 2 3 4 or more

NUMBER OF TIMES MARRIED (Circle number).



0 1 2 3 4 5 6 7 8 9 or more

TREATMENT HISTORY

- A. Indicate the total number of times that the client has entered each of the following treatment categories during the four year period prior to the index arrest. Do not include PMT or modalities entered concurrent with PMT as a result of the index arrest.

Treatment Modality Categories

	Enter number in box	
Inpatient Therapy	<input style="width: 50px; height: 20px;" type="text"/>	[][]
Outpatient - Individual	<input style="width: 50px; height: 20px;" type="text"/>	[][]
Outpatient - Group	<input style="width: 50px; height: 20px;" type="text"/>	[][]
Outpatient - Family	<input style="width: 50px; height: 20px;" type="text"/>	[][]
Outpatient - Structured Behavioral (Aversive conditioning, etc.)	<input style="width: 50px; height: 20px;" type="text"/>	[][]
Detoxification (hospitalization for drying out)	<input style="width: 50px; height: 20px;" type="text"/>	[][]
Direct Chemotherapy (disulfiram)	<input style="width: 50px; height: 20px;" type="text"/>	[][]
Indirect Chemotherapy (tranquilizers, etc.)	<input style="width: 50px; height: 20px;" type="text"/>	[][]
Alcoholics Anonymous	<input style="width: 50px; height: 20px;" type="text"/>	[][]
Half-Way House	<input style="width: 50px; height: 20px;" type="text"/>	[][]
Educational/Alcohol Safety School	<input style="width: 50px; height: 20px;" type="text"/>	[][]

LIFE ACTIVITIES INVENTORY

1. What is your current occupation?

enter title and/or brief description

□□

2. Which one of the following categories best describes your occupation at the present time?

check one box

- 1 Professional (for example doctor, lawyer, college teacher, banker, engineer)
- 2 Manager (for example small businessman, administrator, farm manager, farmer, etc.)
- 3 Sales/Clerical/Communication (for example salesman, store clerk, secretary, telephone operator)
- 4 Skilled labor/craftsman (for example plumber, mechanic, machinist, foreman, heavy equipment operator, heavy truck driver, etc.)
- 5 Unskilled labor (for example, construction labor, farm labor, factory worker, etc.)
- 6 Service work (for example, maid, janitor, waitress, waiter, gardener, etc.)
- 7 Teacher (elementary and secondary, not college)
- 8 Housewife
- 9 Student
- 10 Not working

□□

*if the client is not currently working, skip to question 4:
if the client is currently working, ask the following . . .*

3. In your present job, or jobs, how many hours do you usually work per week?

enter the number of hours to the nearest hour

□

□□

4. Of the following categories, which one or ones best describes your current primary income source?

check one or more boxes

- Earned income (for example, salary, wages, tips)
- Pensions, Social Security, etc.
- Support by others (such as family, spouse, friends, etc.)
- Public assistance (for example, welfare, unemployment compensation, aid to dependent children)
- No income (for example, living on savings)

5. What is your present total family monthly income before deductions for taxes and other things?

enter the amount to nearest the dollar

\$

6. How many days, that you normally would have worked, did you miss in the past 30 days?

enter the number of days

*If the number of days missed is zero, skip to question 10;
if the number of days missed is not zero, ask the following . . .*

7. How many of these days did you miss work because you were ill?

enter the number of days

8. How many of these days did you miss for other reasons you would consider acceptable to your employer, such as a death in the family, jury duty, bad weather, etc.?

enter the number of days

9. How many of these days did you miss work for personal reasons other than the previous two, such as just not feeling like going to work, etc.?

enter the number of days

The sum of responses to questions 7, 8, and 9 must equal the response to question 6.

10. In the past 30 days, how many times have you been "chewed-out" or verbally disciplined by people at work, whether or not you argued back?

enter the number of times

11. In the past 30 days, how many arguments have you had with people at work?

enter the number of arguments

If the number of arguments is zero, skip to question 13; if the number of arguments is not zero, ask the following . . .

12. How many of these arguments involved physical injury or attack, that is, striking someone or being struck?

enter the number of arguments involving injury or attack

13. Has your primary source or sources of income changed in the last 6 months?

check one box

Yes

No

If no, skip to question 15; if yes, ask the following . . .

14. Which one of the following categories best describes the impact of the change or changes in source?

check one box

- 1 Generally good or favorable
- 2 Neither favorable nor unfavorable
- 3 Generally bad or unfavorable

15. Has the amount of your monthly income changed in the last 6 months?

check one box

- Yes
- No

If no, skip to question 18; if yes, ask the following . . .

16. Has your income increased or decreased?

check one box

- Increased
- Decreased

17. By what amount has your monthly income changed?

enter the amount of change to the nearest dollar

\$

18. How many times have you quit a job in the last 6 months?

enter the number of times

If the number of times is zero skip to question 21; if the number of times is not zero, ask the following

19. How many times did you quit with a new job already lined up?

enter the number of times

20. How many times did you quit with no new job lined up?

enter the number of times

The sum of responses to question 19 and 20 must equal the response to question 18.

21. How many times have you been discharged (fired or layed off) from a job in the last 6 months?

enter number of discharges

If the number of discharges is zero, skip to question 25; if the number of discharges is not zero, ask the following . . .

22. How many of these discharges were the direct result of a drunk driving arrest (lost license, job requires driving; company policy, etc.)?

enter number of discharges

23. How many of these discharges were for reasons such as strikes, general or seasonal layoffs, plant closings, etc.?

enter number of discharges

24. How many of these discharges were for other reasons such as poor work performance, personality conflicts, etc.?

enter number of discharges

The sum of responses to questions 22, 23 and 24 must equal the response to question 21.

25. Have you been promoted or assigned additional job responsibilities in the last 6 months?

check one box

1 Yes

2 No

26. During the last 6 months, have you participated in any formal education or training to increase your work skills or to provide career advancement?

check one box

1 Yes

2 No

If no, skip to question 28; if yes, ask the following . . .

27. How much of your time, in the last 6 months, has been involved in this formal education or training? Include both class time and homework time.

check one box

- 1 *Nine hours or less*
2 *Ten to twenty hours*
3 *Twenty to seventy-five hours*
4 *More than seventy-five hours*

28. Have you received any bonuses or other rewards for good work performance during the last 6 months? Include merit raises, sales awards, and any other formal recognition of work performance such as certificates, acknowledgement in company newsletters, etc... Exclude normal raises for cost of living, union contracts, etc...

check one box

- 1 *Yes*
2 *No*

29. Are you currently taking any drugs or medications for the relief of temporary physical conditions such as the flu, a cold, etc.?

check one box

- 1 *Yes*
2 *No*

30. Are you currently taking any drugs or medications for the relief of chronic physical conditions such as heart trouble, arthritis, diabetes, hay fever, asthma, etc.?

check one box

- 1 *Yes*
2 *No*

If no, skip to question 32; if yes ask the following

31. How long have you been taking a drug or medication for this reason?

check one box

- 1 One month or less
- 2 One month to one year
- 3 More than one year

32. Are you currently taking any drugs or medications such as tranquilizers, sleeping pills, stimulants, etc., for the relief of tension, depression, nervousness, or similar conditions?

check one box

- 1 Yes
- 2 No

If no, skip to question 34; if yes, ask the following

33. How long have you been taking a drug or medication for this reason?

check one box

- 1 One month or less
- 2 One month to one year
- 3 More than one year

34. Are you currently taking any drugs or medications other than alcohol to produce "highs" or altered states of consciousness?

check one box

- 1 Yes
- 2 No

If no, skip to question 36; if yes, ask the following

35. How long have you been taking a drug or medication for this reason?

check one box

- 1 *One month or less*
- 2 *One month to one year*
- 3 *More than one year*

36. How many different medications or drugs are you currently taking? Include all drugs mentioned in previous questions and any other drugs you are currently taking such as, antabuse, methadone, vitamins, birth control pills, antacid tablets or liquids, pain killers, etc...

enter the total number of medications or drugs

37. On the average, how many hours sleep per night did you get for the last 7 nights?

enter the number of hours

38. On which of the last 7 days have you been bothered by each of the following health problems? Do not include specifically alcohol related ailments.

It would be helpful to work through the preceding week one day at a time and ask if any of the listed physical problems occurred on Monday, then Tuesday, etc.

check appropriate boxes

	<i>Mon</i>	<i>Tues</i>	<i>Wed</i>	<i>Thur</i>	<i>Fri</i>	<i>Sat</i>	<i>Sun</i>	
Digestive problems	<input type="checkbox"/>							
Headaches	<input type="checkbox"/>							
Sleep problems	<input type="checkbox"/>							
Nervousness	<input type="checkbox"/>							
Fatigue/weakness	<input type="checkbox"/>							
Muscular aches	<input type="checkbox"/>							
Allergies, asthma, etc.	<input type="checkbox"/>							
Colds, flu, etc.	<input type="checkbox"/>							
	<input type="checkbox"/>							

40. On the average, how many hours sleep per night did you get for the last 7 nights?

enter the number of hours

39. How many times in the last 30 days have you visited a doctor, hospital, or other medical treatment facility for each of the following reasons relating to your own health care?

Be sure all alcohol related visits whether directly alcohol related (e.g. detoxification) or indirectly alcohol related (e.g. injury received as the result of drunkenness) are included in the "alcohol related problems" category.

reasons

enter the number of times

Alcohol related problems such as vitamin deficiency, cirrhosis of the liver, injury incurred while drunk, drying out, etc.

Chronic physical conditions such as heart trouble, ulcers, diabetes, arthritis, etc.

Accidents or injuries such as sprains, fractures, cuts, lacerations, etc.

Treatment of temporary illness or ailments such as flu, infections, rashes, pneumonia, etc.

Regular physical checkups

40. During the past 30 days, how many days have you been physically ill, whether or not the illness forced you to miss work?

enter the number of days

41. During the last 5 months have you voluntarily sought psychiatric or psychological help or counseling?

check one box

1 Yes

2 No

If no, skip to question 43; if yes, ask the following

42. Did you seek such help for problems related to alcohol?

check one box

Yes

No



43. How many of each of the following types of drinks have you had on each day of the past 7 days?

It would be helpful to work through the preceeding week one day at a time and record the number of drinks of each type for Monday, then proceed to Tuesday, etc.

Record malt liquor as 2 drinks beer and fortified (18-20%) wine as 2 drinks wine

enter the numbers of drinks in boxes

	Mon	Tues	Weds	Thurs	Fri	Sat	Sun	
12 oz. beer	<input type="text"/>							
1 oz. liquor	<input type="text"/>							
4 oz. wine	<input type="text"/>							
	<input type="text"/>							

1 quart beer = 2-2/3, 12 oz. beers

1/2 pint liquor = 8, 1 oz. drinks liquor

1 pint liquor = 16, 1 oz. drinks liquor

1 fifth liquor = 26, 1 oz. drinks liquor

1 quart liquor = 32, 1 oz. drinks liquor

1/2 pint wine = 2, 4 oz. glasses wine

1 pint wine = 4, 4 oz. glasses wine

1 fifth wine = 6 1/2, 4 oz. glasses wine

1 quart wine = 8, 4 oz. glasses wine

44. How many times in the last 30 days have you driven a car, or other motor vehicle, after having more than three or four drinks? This does not necessarily mean driving while legally intoxicated.

enter the number of times

45. What is the largest number of drinks (12oz. beer, 4oz. wine, or 1oz. liquor) that you have drunk on one occasion during the last 30 days?

enter the number of drinks

46. How many days of work have you missed in the last 30 days because you were drunk?

enter the number of days

47. How many days of work have you missed in the last 30 days because you were hung over?

enter the number of days

48. During the past 30 days, where have you done most of your drinking?

check one box

1 At home

2 Away from home, for example, bars, friends houses, etc.

49. How many times in the last 30 days have you been drunk?

enter the number of times

50. How many times in the last 30 days have you been drunk for more than one day at a time?

enter the number of times

51. How many times in the last 30 days have you experienced blackouts or lapses of memory after drinking?

Explain the difference between a blackout and physically passing out. Record blackouts only.

enter the number of times

52. How many times in the last 30 days have you gotten away with driving while intoxicated?

enter the number of times

53. What is your current marital status?

check one box

1 Never married

2 Divorced

3 Separated

4 Married

5 Widowed

54. Has your marital status changed in the last six months?

check one box

1 Yes

2 No

If no, skip to question number 56; if yes, ask the following

55. What was your marital status immediately preceding your current marital status?

check one box

1 Never married

2 Divorced

3 Separated

4 Married

5 Widowed

56. How many people are you living with now?

enter the number of people

57. Has the number of people living with you changed in the last six months?

check one box

1 Yes

2 No

If no, skip to question 59; if yes, ask the following

58. How many people were you living with prior to the most recent change?

enter the number of people

59. How many people are presently dependent on you for one half or more of their financial support?

enter the number of people

60. How many people, excluding yourself, do you presently take care of; for example, cooking, cleaning, personal attention, etc.?

Male respondents participating in family care should be included in this item.

enter the number of people

If the number of people is zero, skip to question 62; if the number of people is not zero, ask the following

61. Do you share these care responsibilities with one or more others, for example, a spouse?

check one box

1 Yes

2 No

62. How many close or intimate friends, excluding immediate family, do you presently have with whom you could talk out a particular problem you might have?

enter the number of friends

63. Has this number increased, decreased, or remained the same in the last six months?

check one box

- Increased
- Remained the same
- Decreased

If the number has decreased, skip to question 65; if there has been no change in the number, skip to question 66; if the number has increased, ask the following

64. How many friends have you gained in the last six months?

enter the number of friends gained

skip to question 66

65. How many friends have you lost in the last six months?

enter the number of friends lost

66. Do you presently engage in any form of physical fitness activity?

check one box

- 1 Yes
- 2 No

If no, skip to question 69; if yes, ask the following

67. How frequently do you engage in physical fitness activities?

check one box

- 1 Every day
- 2 Several times a week
- 3 Once a week or less

68. What is the total number of hours per week you spend on all your physical fitness activities together?

enter the number of hours

69. In the past 7 days, how many times have you participated in each of the following activities alone, and how many times have you participated in each of the activities with others?

*enter the number of times
in each box*

	<i>alone</i>	<i>with others</i>	
Spectator sports events	<input type="text"/>	<input type="text"/>	[][] [][]
Participant sports activities such as tennis, fishing, hunting, handball, golf	<input type="text"/>	<input type="text"/>	[][] [][]
Movies, concerts, shows, etc.	<input type="text"/>	<input type="text"/>	[][] [][]
Bars, night clubs, dancing	<input type="text"/>	<input type="text"/>	[][] [][]
Parties, picnics	<input type="text"/>	<input type="text"/>	[][] [][]
Games such as checkers, chess, cardgames, monopoly, puzzles	<input type="text"/>	<input type="text"/>	[][] [][]
Visiting	<input type="text"/>	<input type="text"/>	[][] [][]
Pleasure drives	<input type="text"/>	<input type="text"/>	[][] [][]
Other recreational activities	<input type="text"/>	<input type="text"/>	[][] [][]
Watching television	<input type="text"/>	<input type="text"/>	[][] [][]

70. How many times in the last 30 days have you left home, with the following people, to seek recreation or entertainment.

*enter the number of
times in each box*

With family and/or friends living with you	<input type="text"/>	[][]
With relatives not living with you	<input type="text"/>	[][]
With friends not living with you	<input type="text"/>	[][]
Alone	<input type="text"/>	[][]

71. How many times in the past 30 days have you left home temporarily to get away from others at home, for example, going for a walk or a drive?

enter the number of times

72. How many times have you bought gifts for people in the last 30 days?

enter the number of times

73. How many times in the last 30 days have you talked with a friend about a problem he or she was having?

enter the number of times

74. How many times in the last 30 days have you helped someone with a task, for example, moving furniture, painting a house, offered the use of your car, etc.?

enter the number of times

75. How many times in the past 30 days have you entertained others in your home, for example, having someone over for dinner or having a party?

enter the number of times

76. How many new acquaintances did you make in the last 30 days?

enter the number

77. How many hours in the last 30 days have you contributed to activities in the following categories?

activity categories

enter the number of hours in each box

Religious, such as church council, Bible classes, etc., not regular worship services.

Civic, such as the Boy Scouts or JayCees, etc.

Fraternal, such as the Elks, Moose, etc.

Political

Charitable, such as cancer fund committees, collecting for charities, etc.

78. Which of the following activities have taken place in the last 6 months?



*check one box in
each row*

<i>has occurred</i>	<i>has not occurred</i>	<i>activity</i>
<input type="checkbox"/>	<input type="checkbox"/>	Acquired credit cards
<input type="checkbox"/>	<input type="checkbox"/>	Chaired a committee
<input type="checkbox"/>	<input type="checkbox"/>	Started a business
<input type="checkbox"/>	<input type="checkbox"/>	Acquired a dependent
<input type="checkbox"/>	<input type="checkbox"/>	Opened a savings account
<input type="checkbox"/>	<input type="checkbox"/>	Started an education/training program
<input type="checkbox"/>	<input type="checkbox"/>	Acquired a pet
<input type="checkbox"/>	<input type="checkbox"/>	Made a large purchase (over \$500)
<input type="checkbox"/>	<input type="checkbox"/>	Opened a checking account
<input type="checkbox"/>	<input type="checkbox"/>	Had a medical checkup
<input type="checkbox"/>	<input type="checkbox"/>	Acquired a subordinate at work
<input type="checkbox"/>	<input type="checkbox"/>	Began a new hobby
<input type="checkbox"/>	<input type="checkbox"/>	Took out an insurance policy
<input type="checkbox"/>	<input type="checkbox"/>	Invested money
<input type="checkbox"/>	<input type="checkbox"/>	Had a dental checkup
<input type="checkbox"/>	<input type="checkbox"/>	Started repair/remodeling your home
<input type="checkbox"/>	<input type="checkbox"/>	Took out a loan

79. How many times in the last 6 months have you felt a personal loss because of the death of a friend or relative?

enter the number of times

80. How many times in the last 6 months have you been emotionally upset because of the serious injury or illness of a friend or relative?

enter the number of times

81. How many charitable organizations, for example, a cancer fund or heart fund have you contributed to during the past 6 months?

enter the number of organizations

APPENDIX E

**Response Distributions for Individual Life
Activities Interview (LAI) Items
(First 1501 STR Study Clients)**

ITEM 1: CURRENT OCCUPATION (15 Category Set)

<u>#</u>	<u>%</u>	
137	9	Professional, technical, and kindred workers.
181	12	Managers and administrators, except farm.
93	6	Sales workers.
51	3	Clerical and kindred workers.
323	22	Craftsmen and kindred workers.
51	3	Operatives, except transport.
92	6	Transport equipment operatives.
137	9	Laborers, except farm.
1	0	Farmers and farm managers.
3	0	Farm laborers and farm foremen.
129	9	Service workers, except private household.
0	0	Private household workers.
57	4	Student.
2	0	Housewife.
243	16	Not working.
1	0	No response.

ITEM 2: OCCUPATION (10 Category Set)

<u>#</u>	<u>%</u>	
135	9	Professional (for example doctor, lawyer, college teacher, banker, engineer).
182	12	Manager (for example small businessman, administrator, farm manager, farmer, etc.).
140	9	Sales/Clerical/Communication (for example salesman, store clerk, secretary, telephone operator).

Item 2 (Continued)

<u>#</u>	<u>%</u>	
448	30	Skilled labor/craftsman (for example plumber, mechanic, machinist, foreman, heavy equipment operator, heavy truck driver, etc.).
160	11	Unskilled labor (for example, construction labor, farm labor, factory worker, etc.).
133	9	Services work (for example, maid, janitor, waitress, waiter, gardener, etc.).
2	0	Teacher (elementary and secondary, <u>not</u> college).
2	0	Housewife.
56	4	Student.
243	16	Not working.

ITEM 3: HOURS WORKED PER WEEK

<u>#</u>	<u>%</u>	
267	18	0 hours.
34	2	1 to 20 hours.
668	45	21 to 40 hours.
521	35	More than 40 hours.

ITEM 4: PRIMARY INCOME SOURCE (Multiple Responses Possible)

Yes Responses

<u>#</u>	<u>%</u>	
1224	82	Earned Income.
98	7	Pensions, Social Security.
130	9	Support by others.
131	9	Public assistance.
65	4	No income.

ITEM 5: TOTAL MONTHLY FAMILY INCOME

<u>#</u>	<u>%</u>	
46	3	None.
121	8	Less than \$250.
336	22	\$251 - \$500.
247	16	\$501 - \$750.
277	18	\$751 - \$1000.
474	32	Over \$1000.

ITEM 6: NUMBER OF DAYS MISSED WORK LAST MONTH

<u>#</u>	<u>%</u>	
1020	68	None.
174	12	1
179	12	2 - 3
128	8	4 or more.

ITEM 7: DAYS MISSED WORK - ILLNESS

<u>#</u>	<u>%</u>	
1356	90	None.
92	6	1 - 2
53	4	3 or more.

ITEM 8: DAYS MISSED WORK - ACCEPTABLE REASON

<u>#</u>	<u>%</u>	
1176	78	None.
230	15	1 - 2
95	7	3 or more.

ITEM 9: DAYS MISSED WORK - PERSONAL REASONS

<u>#</u>	<u>%</u>	
1428	95	None.
47	3	1 - 2
26	2	3 or more.

ITEM 10: NUMBER TIMES "CHEWED-OUT" AT WORK LAST MONTH

<u>#</u>	<u>%</u>	
1396	93	None.
80	5	1 - 2
25	2	3 or more.

ITEM 11: NUMBER OF ARGUMENTS AT WORK LAST MONTH

<u>#</u>	<u>%</u>	
1377	92	None.
55	4	1 - 2
69	5	3 or more.

ITEM 12: HOW MANY ARGUMENTS AT WORK INVOLVED PHYSICAL INJURY

<u>#</u>	<u>%</u>	
1500	100	None.
1	0	1

ITEM 13: HAS PRIMARY INCOME SOURCE CHANGED IN THE LAST SIX MONTHS

<u>#</u>	<u>%</u>	
428	29	Yes
1071	71	No

ITEM 14: HAS THE CHANGE BEEN

<u>#</u>	<u>%</u>	
206	49	Generally good or favorable.
57	13	Neither favorable or unfavorable.
159	38	Generally bad or unfavorable.

(Item answered by 422 of clients indicating that source had changed.)

ITEMS 15-17: CHANGE IN AMOUNT OF MONTHLY INCOME

<u>#</u>	<u>%</u>	
530	35	Increased.
711	47	Remained the same.
260	17	Decreased.

ITEM 18: HOW MANY TIMES HAVE YOU QUIT A JOB IN THE LAST SIX MONTHS

<u>#</u>	<u>%</u>	
1342	89	None.
138	9	1
21	2	2 or more.

ITEM 19: TIMES QUIT WITH NEW JOB LINED UP

<u>#</u>	<u>%</u>	
1420	95	None.
73	5	1
3	0	2 or more.

ITEM 20: QUIT WITH NO JOB LINED UP

<u>#</u>	<u>%</u>	
1420	95	None.
74	5	1
7	0	2 or more.

ITEM 21: NUMBER OF DISCHARGES FROM JOB IN LAST SIX MONTHS

<u>#</u>	<u>%</u>	
1291	86	None.
191	13	1
19	1	2 or more.

ITEM 22: DISCHARGES RESULTING FROM DWI ARREST

<u>#</u>	<u>%</u>	
1481	99	None.
19	1	1
1	0	2 or more.

ITEM 23: DISCHARGES RESULTING FROM STRIKES OR LAYOFFS

<u>#</u>	<u>%</u>	
1350	90	None.
138	9	1
13	1	2 or more.

ITEM 24: DISCHARGES FOR POOR WORK PERFORMANCE

<u>#</u>	<u>%</u>	
1466	98	None.
34	2	1
1	0	2 or more.

ITEM 25: HAVE YOU BEEN PROMOTED OR ASSIGNED ADDITIONAL RESPONSIBILITIES IN THE LAST SIX MONTHS

<u>#</u>	<u>%</u>	
370	25	Yes.
1081	74	No.

ITEM 26: HAVE YOU PARTICIPATED IN FORMAL EDUCATION OR TRAINING TO IMPROVE JOB SKILLS IN THE LAST SIX MONTHS

<u>#</u>	<u>%</u>	
343	23	Yes.
1153	77	No.

ITEM 27: HOW MUCH TIME WAS INVOLVED IN THIS TRAINING

<u>#</u>	<u>%</u>	
32	9	9 hours or less.
32	9	10 - 20 hours.
124	36	20 - 75 hours.
156	45	More than 75 hours.

(This item was answered by 344 of individuals responding yes to item 26.)

ITEM 28: HAVE YOU RECEIVED BONUSES FOR GOOD WORK PERFORMANCE IN THE LAST SIX MONTHS

<u>#</u>	<u>%</u>	
372	25	Yes.
1092	75	No.

ITEM 29: ARE YOU TAKING DRUGS FOR TEMPORARY PHYSICAL CONDITIONS

<u>#</u>	<u>%</u>	
96	6	Yes.
1402	94	No.

ITEM 30: ARE YOU TAKING DRUGS FOR CHRONIC PHYSICAL CONDITIONS

<u>#</u>	<u>%</u>	
184	12	Yes.
1314	88	No.

ITEM 31: HOW LONG HAVE YOU BEEN TAKING A DRUG FOR CHRONIC PHYSICAL CONDITIONS

<u>#</u>	<u>%</u>	
13	7	1 month or less.
53	29	1 month to 1 year.
114	63	More than 1 year.

ITEM 32: ARE YOU TAKING DRUGS FOR TENSION, DEPRESSION, NERVOUSNESS, ETC.

<u>#</u>	<u>%</u>	
94	6	Yes.
1406	94	No.

ITEM 33: HOW LONG HAVE YOU BEEN TAKING A DRUG FOR TENSION, ETC.

<u>#</u>	<u>%</u>	
15	16	1 month or less.
33	36	1 month to 1 year.
44	48	More than 1 year.

ITEM 34: ARE YOU TAKING DRUGS OTHER THAN ALCOHOL TO
PRODUCE "HIGHS"

<u>#</u>	<u>%</u>	
161	11	Yes.
1340	89	No.

ITEM 35: HOW LONG HAVE YOU BEEN TAKING A DRUG TO
PRODUCE "HIGHS"

<u>#</u>	<u>%</u>	
6	4	1 month or less.
3	2	1 month to 1 year.
147	94	More than 1 year.

ITEM 36: HOW MANY DIFFERENT MEDICINES AND DRUGS ARE YOU
CURRENTLY TAKING

<u>#</u>	<u>%</u>	
718	48	None.
435	29	1
224	15	2
72	5	3
39	3	4
13	1	5

ITEM 37: HOW MANY HOURS SLEEP PER NIGHT DID YOU AVERAGE
LAST WEEK

<u>#</u>	<u>%</u>	
130	9	3 - 5 hours.
1310	87	6 - 9 hours.
61	4	10 or more hours.

ITEM 38.a: NUMBER OF DAYS WITH DIGESTIVE PROBLEMS

<u>#</u>	<u>%</u>	
1376	92	None.
50	3	1
75	5	2 or more.

ITEM 38.b: NUMBER OF DAYS WITH HEADACHES

<u>#</u>	<u>%</u>	
1283	86	None.
132	9	1
86	6	2 or more.

ITEM 38.c: NUMBER OF DAYS WITH SLEEP PROBLEMS

<u>#</u>	<u>%</u>	
1317	88	None.
80	5	1
104	7	2 or more.

ITEM 38.d: NUMBER OF DAYS WITH NERVOUSNESS

<u>#</u>	<u>%</u>	
1235	82	None.
95	6	1
171	11	2 or more.

ITEM 38.e: NUMBER OF DAYS WITH FATIGUE OR WEAKNESS

<u>#</u>	<u>%</u>	
1329	89	None.
77	5	1
95	6	2 or more.

ITEM 38.f: NUMBER OF DAYS WITH MUSCULAR ACHES

<u>#</u>	<u>%</u>	
1240	83	None.
104	7	1
157	10	2 or more.

ITEM 38.g: NUMBER OF DAYS WITH ALLERGIES, ASTHMA, ETC.

<u>#</u>	<u>%</u>	
1377	92	None.
24	2	1
100	7	2 or more.

ITEM 38.h: NUMBER OF DAYS WITH COLDS, FLU, ETC.

<u>#</u>	<u>%</u>	
1328	88	None.
25	2	1
148	10	2 or more.

ITEM 38.i: NUMBER OF HEALTH PROBLEMS MONDAY

<u>#</u>	<u>%</u>	
976	65	None.
327	22	1
198	13	2 or more.

ITEM 38.j: NUMBER OF HEALTH PROBLEMS TUESDAY

<u>#</u>	<u>%</u>	
992	66	None.
346	23	1
163	11	2 or more.

ITEM 38.k: NUMBER OF HEALTH PROBLEMS WEDNESDAY

<u>#</u>	<u>%</u>	
1017	68	None.
320	21	1
164	11	2 or more.

ITEM 38.l: NUMBER OF HEALTH PROBLEMS THURSDAY

<u>#</u>	<u>%</u>	
1038	69	None.
302	20	1
161	11	2 or more.

ITEM 38.m: NUMBER OF HEALTH PROBLEMS FRIDAY

<u>#</u>	<u>%</u>	
1054	70	None.
305	20	1
142	10	2 or more.

ITEM 38.n: NUMBER OF HEALTH PROBLEMS SATURDAY

<u>#</u>	<u>%</u>	
1062	71	None.
297	20	1
142	9	2 or more.

ITEM 38.o: NUMBER OF HEALTH PROBLEMS SUNDAY

<u>#</u>	<u>%</u>	
1039	69	None.
300	20	1
162	11	2 or more.

ITEM 39.a: NUMBER OF MEDICAL VISITS LAST MONTH FOR ALCOHOL RELATED PROBLEMS

<u>#</u>	<u>%</u>	
1468	98	None.
33	2	1 or more.

ITEM 39.b: NUMBER OF MEDICAL VISITS LAST MONTH FOR CHRONIC PHYSICAL CONDITIONS

<u>#</u>	<u>%</u>	
1448	96	None.
53	4	1 or more.

ITEM 39.c: NUMBER OF MEDICAL VISITS LAST MONTH FOR ACCIDENTS OR INJURIES

<u>#</u>	<u>%</u>	
1427	95	None.
74	5	1 or more.

ITEM 39.d: NUMBER OF MEDICAL VISITS LAST MONTH FOR TEMPORARY ILLNESSES

<u>#</u>	<u>%</u>	
1402	93	None.
99	7	1 or more.

ITEM 39.e: NUMBER OF MEDICAL VISITS LAST MONTH FOR REGULAR CHECKUPS

<u>#</u>	<u>%</u>	
1400	93	None.
101	7	1 or more.

ITEM 40: HOW MANY DAYS WERE YOU ILL LAST MONTH

<u>#</u>	<u>%</u>	
1246	83	None.
133	9	1 - 2.
122	8	3 or more.

ITEM 42: HAVE YOU VOLUNTARILY SOUGHT PSYCHIATRIC OR
PSYCHOLOGICAL HELP IN THE LAST SIX MONTHS

<u>##</u>	<u>%</u>	
41	3	Yes.
1457	97	No.

ITEM 43: WAS THE PSYCHIATRIC HELP FOR ALCOHOL PROBLEMS

<u>#</u>	<u>%</u>	
19	1	Yes.
1395	99	No.

ITEM 43.a: NUMBER OF BEERS DRUNK LAST WEEK

<u>#</u>	<u>%</u>	
469	31	None.
438	29	1 - 6.
379	25	7 - 18
215	14	19 or more.

ITEM 43.b: NUMBER OF DRINKS OF LIQUOR DRUNK LAST WEEK

<u>#</u>	<u>%</u>	
1115	74	None.
196	13	1 - 6.
190	13	7 or more.

ITEM 43.c: NUMBER OF GLASSES OF WINE DRUNK LAST WEEK

<u>#</u>	<u>%</u>	
1349	90	None.
130	9	1 - 6
22	1	7 or more.

ITEM 43.d: NUMBER OF DRINKS LAST MONDAY

<u>#</u>	<u>%</u>	
1033	69	None.
423	28	1 - 6
45	3	7 or more.

ITEM 43.e: NUMBER OF DRINKS LAST TUESDAY

<u>#</u>	<u>%</u>	
1075	72	None.
375	25	1 - 6
51	3	7 or more.

ITEM 43.f: NUMBER OF DRINKS LAST WEDNESDAY

<u>#</u>	<u>%</u>	
1071	71	None.
388	26	1 - 6
42	3	7 or more.

ITEM 43.g: NUMBER OF DRINKS LAST THURSDAY

1091	73	None.
367	24	1 - 6
43	3	7 or more.

ITEM 43.h: NUMBER OF DRINKS LAST FRIDAY

<u>#</u>	<u>%</u>	
914	61	None.
386	26	1 - 6
201	13	7 or more.

ITEM 43.i: NUMBER OF DRINKS LAST SATURDAY

<u>#</u>	<u>%</u>	
786	52	None.
428	28	1 - 6
287	19	7 or more.

ITEM 43.j: NUMBER OF DRINKS LAST SUNDAY

<u>#</u>	<u>%</u>	
917	61	None.
477	32	1 - 6
107	7	7 or more.

ITEM 44: HOW MANY TIMES LAST MONTH DID YOU DRIVE AFTER
HAVING 3 OR 4 DRINKS

<u>#</u>	<u>%</u>	
888	59	None.
231	15	1
382	25	2 or more.

ITEM 45: WHAT IS YOUR LARGEST NUMBER OF DRINKS ON ONE OCCASION LAST MONTH

<u>#</u>	<u>%</u>	
196	13	None.
609	41	1 - 6
516	34	7 - 12
180	12	13 or more.

ITEM 46: HOW MANY DAYS LAST MONTH DID YOU MISS WORK BECAUSE YOU WERE DRUNK

<u>#</u>	<u>%</u>	
1487	99	None.
14	1	1 or more.

ITEM 47: HOW MANY DAYS LAST MONTH DID YOU MISS WORK BECAUSE YOU WERE HUNG OVER.

<u>#</u>	<u>%</u>	
1486	99	None.
15	1	1 or more.

ITEM 48: WHERE DID YOU DO MOST OF YOUR DRINKING LAST MONTH

<u>#</u>	<u>%</u>	
664	51	At home.
646	49	Away from home.

ITEM 49: HOW MANY TIMES LAST MONTH HAVE YOU BEEN DRUNK

<u>#</u>	<u>%</u>	
957	64	None.
374	25	1 - 2
170	11	3 or more.

ITEM 50: HOW MANY TIMES LAST MONTH WERE YOU DRUNK FOR MORE THAN ONE DAY

<u>#</u>	<u>%</u>	
1465	98	None.
36	2	1 or more.

ITEM 51: HOW MANY BLACKOUTS DID YOU HAVE LAST MONTH

<u>#</u>	<u>%</u>	
1410	94	None.
91	6	1 or more.

ITEM 52: HOW MANY TIMES LAST MONTH DID YOU GET AWAY WITH DWI

<u>#</u>	<u>%</u>	
1248	83	None.
173	12	1 - 2
80	5	3 or more.

ITEM 53: CURRENT MARITAL STATUS

<u>#</u>	<u>%</u>	
410	27	Never married.
205	14	Divorced.
131	9	Separated.
723	48	Married.
30	2	Widowed.

ITEM 54: HAS MARITAL STATUS CHANGED IN THE LAST SIX MONTHS

<u>#</u>	<u>%</u>	
86	6	Yes.
1404	94	No.

ITEM 55: WHAT WAS MARTIAL STATUS PRIOR TO THE CHANGE

<u>#</u>	<u>%</u>	
16	18	Never married.
10	11	Divorced.
15	17	Separated.
49	54	Married.

ITEM 56: HOW MANY PEOPLE ARE YOU CURRENTLY LIVING WITH

<u>#</u>	<u>%</u>	
239	16	None.
286	19	1
881	59	2 - 5
95	6	6 or more.

ITEM 57: HAS THE NUMBER OF COHABITORS CHANGED IN THE
LAST SIX MONTHS

<u>#</u>	<u>%</u>	
332	22	Yes.
1165	78	No.

ITEM 58: HOW MANY PEOPLE WERE YOU LIVING WITH BEFORE
THE CHANGE

<u>#</u>	<u>%</u>	
34	10	None.
81	24	1
174	52	2 - 5
46	14	6 or more.

ITEM 59: NUMBER OF DEPENDANTS

<u>#</u>	<u>%</u>	
558	37	None.
231	15	1
223	15	2
205	14	3
284	19	4 or more.

ITEM 60: HOW MANY PEOPLE DO YOU PRESENTLY TAKE CARE OF

<u>#</u>	<u>%</u>	
982	66	0
141	9	1
136	9	2
99	7	3
143	9	4 or more.

ITEM 61: DO YOU HAVE THE RESPONSIBILITY OF CARING FOR THESE PEOPLE WITH ONE OR MORE OTHERS

<u>#</u>	<u>%</u>	
473	40	Yes.
721	60	No.

ITEM 62: HOW MANY CLOSE FRIENDS DO YOU HAVE

<u>#</u>	<u>%</u>	
167	11	None.
147	10	1
213	14	2

Item 62 (Continued)

<u>#</u>	<u>%</u>	
225	15	3
214	14	4
535	36	5 or more.

ITEMS 63 - 65: CHANGES IN NUMBER OF CLOSE FRIENDS IN
LAST SIX MONTHS

<u>#</u>	<u>%</u>	
147	10	Increased.
1308	87	Remained the same.
40	3	Decreased.

ITEM 66: DO YOU ENGAGE IN A FORM OF PHYSICAL FITNESS
ACTIVITY

<u>#</u>	<u>%</u>	
582	39	Yes.
916	61	No.

ITEM 67: HOW OFTEN DO YOU ENGAGE IN PHYSICAL FITNESS
ACTIVITIES

<u>#</u>	<u>%</u>	
128	22	Every day.
323	55	Several times a week.
136	23	Once a week or less.

ITEM 68: TOTAL NUMBER OF HOURS PER WEEK SPENT ON PHYSICAL FITNESS ACTIVITIES

<u>#</u>	<u>%</u>	
876	58	None.
250	17	1 - 5
335	22	6 or more.
40	3	No response.

ITEM 69.a: TIMES INVOLVED IN SPECTATOR SPORTS ACTIVITY

<u>Alone</u>			<u>With Others</u>		
<u>#</u>	<u>%</u>		<u>#</u>	<u>%</u>	
1476	98	None.	1266	84	None.
25	2	1 or more.	235	16	1 or more.

ITEM 69.b: TIMES INVOLVED IN PARTICIPANT SPORTS ACTIVITY

<u>Alone</u>			<u>With Others</u>		
<u>#</u>	<u>%</u>		<u>#</u>	<u>%</u>	
1434	96	None.	825	55	None.
67	4	1 or more.	676	45	1 or more.

ITEM 69.c: TIMES ATTENDED MOVIES, CONCERTS, ETC.

<u>Alone</u>			<u>With Others</u>		
<u>#</u>	<u>%</u>		<u>#</u>	<u>%</u>	
1460	97	None.	1060	71	None.
41	3	1 or more.	441	29	1 or more.

ITEM 69.d: TIMES WENT TO BARS, NIGHT CLUBS, DANCING

<u>Alone</u>			<u>With Others</u>		
<u>#</u>	<u>%</u>		<u>#</u>	<u>%</u>	
1353	90	None.	1031	69	None.
148	10	1 or more.	470	31	1 or more.

ITEM 69.e: TIMES ATTENDED PARTIES, PICNICS

<u>Alone</u>			<u>With Others</u>		
<u>#</u>	<u>%</u>		<u>#</u>	<u>%</u>	
1483	99	None.	1110	74	None.
18	1	1 or more.	391	26	1 or more.

ITEM 69.f: TIMES INVOLVED IN GAMES, ETC.

<u>Alone</u>			<u>With Others</u>		
<u>#</u>	<u>%</u>		<u>#</u>	<u>%</u>	
1471	98	None.	912	61	None.
30	2	1 or more.	589	39	1 or more.

ITEM 69.g: TIMES GONE VISITING

<u>Alone</u>			<u>With Others</u>		
<u>#</u>	<u>%</u>		<u>#</u>	<u>%</u>	
1042	70	None.	814	54	None.
459	30	1 or more.	687	46	1 or more.

ITEM 69.h: TIMES GONE ON PLEASURE DRIVES

<u>Alone</u>			<u>With Others</u>		
<u>#</u>	<u>%</u>		<u>#</u>	<u>%</u>	
1414	94	None.	1113	74	None.
87	6	1 or more.	388	26	1 or more.

ITEM 69.i: TIMES PARTICIPATED IN OTHER RECREATION

<u>Alone</u>			<u>With Others</u>		
<u>#</u>	<u>%</u>		<u>#</u>	<u>%</u>	
995	66	None.	336	22	None.
506	34	1 or more.	1165	78	1 or more.

ITEM 69.j: TIMES SPENT WATCHING TELEVISION

<u>Alone</u>			<u>With Others</u>		
<u>#</u>	<u>%</u>		<u>#</u>	<u>%</u>	
1367	91	None.	1234	82	None.
134	9	1 or more.	267	18	1 or more.

ITEM 70.a: TIMES LEFT HOME LAST MONTH FOR RECREATION OR ENTERTAINMENT WITH FAMILY OR COHABITORS

<u>#</u>	<u>%</u>	
560	37	None.
941	63	1 or more.

ITEM 70.b: TIMES LEFT HOME LAST MONTH FOR RECREATION OR ENTERTAINMENT WITH RELATIVES WHO DO NOT LIVE WITH YOU

<u>#</u>	<u>%</u>	
1003	67	None.
498	33	1 or more.

ITEM 70.c: TIMES LEFT HOME LAST MONTH FOR RECREATION OR ENTERTAINMENT WITH FRIENDS WHO DO NOT LIVE WITH YOU

<u>#</u>	<u>%</u>	
499	33	None.
1002	67	1 or more.

ITEM 70.d: TIMES LEFT HOME ALONE LAST MONTH FOR RECREATION
OR ENTERTAINMENT

<u>#</u>	<u>%</u>	
837	56	None.
664	44	1 or more.

ITEM 71: HOW MANY TIMES LAST MONTH DID YOU LEAVE HOME TO
GET AWAY FROM OTHERS

<u>#</u>	<u>%</u>	
1162	77	None.
339	23	1 or more.

ITEM 72: HOW MANY TIMES LAST MONTH DID YOU BUY GIFTS
FOR PEOPLE

<u>#</u>	<u>%</u>	
673	45	None.
828	55	1 or more.

ITEM 73: HOW MANY TIMES LAST MONTH DID YOU TALK WITH A
FRIEND ABOUT A PROBLEM HE WAS HAVING

<u>#</u>	<u>%</u>	
723	48	None.
778	52	1 or more.

ITEM 74: HOW MANY TIMES LAST MONTH DID YOU HELP SOMEONE
WITH A TASK

<u>#</u>	<u>%</u>	
427	28	None.
560	37	1 - 2.
514	34	3 or more.

ITEM 75: HOW MANY TIMES LAST MONTH DID YOU ENTERTAIN
OTHERS IN YOUR HOME

<u>#</u>	<u>%</u>	
622	41	None.
446	30	1 - 2.
433	29	3 or more.

ITEM 76: HOW MANY NEW ACQUAINTANCES DID YOU MAKE LAST
MONTH

<u>#</u>	<u>%</u>	
579	39	None.
259	17	1 - 2
301	20	3 - 5
362	24	6 or more.

ITEM 77.a: HOW MANY HOURS LAST MONTH DID YOU CONTRIBUTE
TO RELIGIOUS ACTIVITIES

<u>#</u>	<u>%</u>	
1392	93	None.
109	7	1 or more.

ITEM 77.b: HOW MANY HOURS LAST MONTH DID YOU CONTRIBUTE
CONTRIBUTE TO CIVIC ACTIVITIES

<u>#</u>	<u>%</u>	
1410	94	None.
91	6	1 or more.

ITEM 77.c: HOW MANY HOURS LAST MONTH DID YOU CONTRIBUTE
TO FRATERNAL ACTIVITIES

<u>#</u>	<u>%</u>	
1399	93	None.
102	7	1 or more.

ITEM 77.d: HOW MANY HOURS LAST MONTH DID YOU CONTRIBUTE
TO POLITICAL ACTIVITIES

<u>#</u>	<u>%</u>	
1468	98	None.
33	2	1 or more.

ITEM 77.e: HOW MANY HOURS LAST MONTH DID YOU CONTRIBUTE
TO CHARITABLE ACTIVITIES

<u>#</u>	<u>%</u>	
1448	96	None.
53	4	1 or more.

ITEM 78. NUMBER OF LISTED ACTIONS (MAX = 17)

<u>#</u>	<u>%</u>	
225	15	None.
296	20	1
284	19	2
237	16	3
166	11	4
119	8	5
174	12	6 or more

ITEM 79: HOW MANY TIMES IN THE LAST MONTH HAVE YOU FELT
A PERSONAL LOSS BECAUSE OF THE DEATH OF A
FRIEND OR RELATIVE.

<u>#</u>	<u>%</u>	
1172	78	None.
329	22	1 or more.

ITEM 80: HOW MANY TIMES IN THE LAST MONTH HAVE YOU BEEN
EMOTIONALLY UPSET BECAUSE OF THE SERIOUS INJURY
OR ILLNESS OF A FRIEND OR RELATIVE

<u>#</u>	<u>%</u>	
1159	77	None.
342	23	1 or more.

ITEM 81: HOW MANY CHARITABLE ORGANIZATIONS HAVE YOU
CONTRIBUTED TO IN THE LAST SIX MONTHS

<u>#</u>	<u>%</u>	
699	47	None.
383	26	1
285	19	2 - 3
134	9	4 or more.

APPENDIX F

**Summary of LAI Interview Factor Analysis on Data
From First 1501 STR Clients**

TABLE F-1. LAI FACTORS FROM ITERATIVE ANALYSIS

Var.	I	II	III	IV	V
1	0.3084	0.5383	-0.1055	-0.0807	-0.4201
2	-0.1414	-0.3020	0.0813	0.1212	0.3136
3	-0.1949	-0.4346	0.0750	0.1108	0.2726
4	-0.0717	0.3004	0.1834	-0.0227	-0.0500
5	-0.0306	0.2988	0.0917	-0.0082	-0.0034
6	0.0462	-0.2449	-0.1802	0.0578	-0.1200
7	0.1090	0.2191	-0.0561	-0.0512	-0.0965
8	0.1474	0.0643	-0.0498	-0.0341	-0.0146
9	0.0763	-0.1710	-0.0465	-0.0797	0.0820
10	0.1254	-0.1185	-0.0108	-0.0898	0.1217
11	0.0237	-0.0365	-0.0478	-0.0506	0.0888
12	-0.3415	-0.5774	0.1205	0.0362	0.1015
13	-0.0259	0.0912	0.0470	0.1630	-0.1823
14	0.0157	-0.0432	-0.2016	-0.2461	0.0663
15	0.0916	-0.0618	-0.1640	-0.3701	0.1419
16	-0.0517	-0.0056	0.1234	0.0906	-0.0698
17	0.1895	-0.0344	-0.1866	-0.3155	0.0584
18	0.2445	0.0998	-0.1543	-0.4662	0.1639
19	0.0498	-0.0221	-0.1029	-0.3356	0.1223
20	0.7391	-0.2251	0.5008	0.0810	-0.0297
21	0.5697	-0.0233	0.1958	-0.0907	0.0551
22	0.6428	-0.0645	0.3006	0.0127	0.0057
23	0.6500	0.0347	0.1103	-0.1126	0.0874
24	0.3359	0.0233	0.0726	-0.1937	0.1082
25	0.4964	0.0438	0.1362	-0.1282	0.0897
26	-0.0895	0.0094	0.0665	-0.0017	-0.0728
27	-0.1555	-0.0801	0.2793	-0.2901	-0.2781
28	-0.2317	0.0277	0.1374	0.0059	-0.0300
29	0.1091	-0.2310	-0.1686	0.1340	-0.0784
30	0.0580	-0.0671	-0.0950	0.0220	-0.0184
31	0.1394	-0.2016	-0.2692	0.1304	-0.2480
32	0.1329	-0.2191	-0.1832	0.1203	-0.2453
33	0.0682	-0.0056	-0.1525	-0.0002	-0.0526
34	0.4253	-0.2078	-0.2942	0.2899	-0.0600
35	0.1783	0.1008	-0.0952	-0.1027	-0.0578
36	0.0580	-0.3283	-0.2366	-0.0269	-0.1517
37	0.3020	-0.2479	-0.3260	-0.0077	-0.0358
38	0.3100	-0.1854	-0.3036	-0.0532	-0.2045
39	0.2001	-0.3109	-0.2313	0.0655	-0.2077
40	0.1840	-0.2926	-0.2633	-0.0157	-0.1509
41	-0.0672	-0.2755	-0.0855	-0.0764	-0.1499
42	0.0126	-0.4694	-0.2456	-0.0807	-0.0873
43	0.0608	-0.0832	-0.1076	-0.0560	-0.0304
44	0.1607	-0.1382	-0.1762	-0.1191	-0.0304
45	-0.1470	-0.3560	-0.0885	-0.1062	-0.0788
46	-0.4449	-0.2607	0.3982	-0.3749	-0.3074

Table F-1 continued on next page.

Table F-1. LAI Factors from Iterative Analysis (Continued)

Var.	I	II	III	IV	V
47	0.0227	-0.0988	-0.0384	-0.2410	0.1719
48	-0.3203	-0.6070	0.1500	0.0795	0.3990
49	0.2039	0.0389	-0.2039	-0.6393	0.2171
50	0.5102	-0.2431	0.3390	0.0036	-0.0382
51	0.6023	-0.2701	0.4078	0.0995	-0.0397
52	0.4224	-0.1066	0.3197	0.0699	-0.0640
53	0.1497	0.0971	-0.1722	0.0518	0.1299
54	-0.3551	-0.2160	0.3714	-0.4070	-0.2288
55	0.3291	0.0924	-0.3057	0.1434	0.2269
56	0.4684	-0.0458	0.0462	0.0822	0.1132
57	-0.0131	-0.3410	0.0520	-0.1912	-0.3891

TABLE F-2. VERIMAX FACTORS OF THE LAI

Var.	I	II	III	IV	V
1	0.0795	-0.7527	-0.0156	-0.0396	-0.0663
2	-0.0036	0.4762	-0.0234	-0.0592	0.0044
3	-0.0280	0.5598	0.0667	0.0216	-0.0002
4	-0.0177	-0.1814	-0.2916	0.0706	-0.0937
5	-0.0311	-0.1836	-0.2468	-0.0215	-0.0513
6	-0.0188	0.0628	0.3283	0.0009	-0.0158
7	0.0148	-0.2655	-0.0383	-0.0486	0.0207
8	0.0817	-0.1185	0.0297	-0.0699	0.0568
9	0.0726	0.1152	0.1088	-0.0079	0.1410
10	0.1242	0.0903	0.0492	-0.0394	0.1588
11	0.0042	0.0476	0.0115	-0.0455	0.1008
12	-0.1044	0.6050	0.1616	0.2679	-0.0358
13	-0.0204	-0.1150	0.0072	0.0262	-0.2380
14	-0.0849	-0.0304	0.0930	-0.0062	0.3015
15	0.0043	-0.0168	0.0565	0.0105	0.4389
16	0.0222	0.0259	-0.0405	0.0739	-0.1508
17	0.0639	-0.1084	0.1205	-0.0242	0.3793
18	0.1061	-0.1847	-0.0299	-0.0486	0.5377
19	-0.0052	-0.0221	-0.0020	0.0379	0.3731
20	0.9169	0.0233	0.0656	0.0202	-0.0961
21	0.5797	-0.1146	0.0158	-0.0861	0.1333
22	0.7018	-0.0941	0.0325	-0.0737	0.0092
23	0.5903	-0.1854	0.0327	-0.1798	0.2000
24	0.3151	-0.0886	-0.0370	-0.0539	0.2377
25	0.4766	-0.1385	-0.0301	-0.1083	0.1802
26	-0.0424	-0.0050	-0.0346	0.1030	-0.0647
27	0.0263	-0.0511	-0.0541	0.5132	0.0217
28	-0.1226	0.0689	-0.1422	0.1560	-0.0999
29	0.0382	0.0743	0.3180	-0.0807	-0.0566
30	0.0081	0.0024	0.1220	-0.0493	0.0181
31	-0.0036	-0.0738	0.4411	-0.0535	-0.0904
32	0.0408	-0.0419	0.3988	-0.0006	-0.1071
33	-0.0273	-0.0800	0.1323	-0.0684	0.0370
34	0.2264	-0.0286	0.4645	-0.3497	-0.0907
35	0.0741	-0.2021	0.0536	-0.0552	0.1125
36	-0.0254	0.0702	0.4219	0.0522	0.0677
37	0.1167	-0.0146	0.4358	-0.1747	0.1610
38	0.1168	-0.1608	0.4573	-0.0682	0.1185
39	0.0886	0.0004	0.4789	-0.0160	-0.0126
40	0.0571	0.0016	0.4482	-0.0219	0.0847
41	-0.0564	0.0965	0.2640	0.1799	0.0386
42	-0.0387	0.2072	0.4694	0.0946	0.1459
43	0.0061	-0.0128	0.1378	-0.0065	0.0838
44	0.0614	-0.0339	0.2312	-0.0289	0.1785
45	-0.1057	0.2121	0.2606	0.2050	0.0873
46	-0.1149	0.1602	-0.0793	0.7837	0.0105

Table F-2 continued on next page.

Table F-2. Verimax Factors of the LAI (Continued)

Var.	I	II	III	IV	V
47	0.0234	0.1013	-0.0111	0.0259	0.2963
48	-0.0535	0.8018	0.0392	0.0970	0.0483
49	0.0596	-0.1448	-0.0147	0.0156	0.7180
50	0.6448	0.0555	0.1068	0.0711	-0.0211
51	0.7624	0.0778	0.1181	0.0324	-0.1059
52	0.5360	-0.0167	0.0279	0.0361	-0.1063
53	0.0175	-0.0689	0.0235	-0.2626	0.0807
54	-0.0607	0.1319	-0.1071	0.6987	0.0894
55	0.0976	-0.0783	0.1150	-0.4900	0.1153
56	0.4225	-0.0293	0.0805	-0.2354	0.0442
57	0.0645	-0.0047	0.3362	0.4357	0.0067

TABLE F-3. VERIMAX TRANSFORMATION MATRIX

	I	II	III	IV	V
I	0.8209	-0.3240	0.2586	-0.3571	0.1635
II	-0.1850	-0.7003	-0.6256	-0.2789	-0.0785
III	0.5387	0.2104	-0.5745	0.4900	-0.3087
IV	-0.0005	0.2051	0.0981	-0.4992	-0.8361
V	0.0411	0.5642	-0.4494	-0.5526	0.4156

TABLE F-4. PROMAX FACTORS OF THE LAI

Var.	I	II	III	IV	V
1	-0.0197	-0.7207	0.0574	0.0230	-0.0040
2	0.0517	0.4709	-0.0742	-0.0980	-0.0372
3	0.0497	0.5239	0.0124	-0.0277	-0.0533
4	0.0120	-0.1678	-0.2606	0.0775	-0.0391
5	-0.0303	-0.1531	-0.2222	-0.0109	-0.0082
6	-0.0282	0.0160	0.3208	-0.0096	-0.0577
7	-0.0332	-0.2375	-0.0156	-0.0228	0.0437
8	0.0337	-0.0907	0.0298	-0.0488	0.0568
9	0.0447	0.1273	0.0835	-0.0003	0.1155
10	0.0845	0.1223	0.0213	-0.0239	0.1391
11	-0.0207	0.0696	-0.0016	-0.0396	0.0910
12	0.0301	0.5027	0.1210	0.2030	-0.0852
13	0.0213	-0.1579	0.0345	0.0122	-0.2240
14	-0.1579	0.0070	0.0831	0.0176	0.2907
15	-0.0961	0.0507	0.0334	0.0519	0.4291
16	0.0738	-0.0074	-0.0319	0.0590	-0.1419
17	-0.0501	-0.0457	0.1040	0.0233	0.3675
18	-0.0494	-0.0667	-0.0498	0.0241	0.5451
19	-0.0824	0.0362	-0.0183	0.0732	0.3731
20	0.8908	0.0503	0.0138	0.0714	-0.1170
21	0.4867	-0.0390	-0.0195	-0.0240	0.1248
22	0.6332	-0.0373	-0.0048	-0.0166	-0.0024
23	0.4539	-0.0809	-0.0047	-0.1041	0.1883
24	0.2267	-0.0113	-0.0627	-0.0024	0.2379
25	0.3746	-0.0508	-0.0601	-0.0463	0.1785
26	-0.0053	-0.0319	-0.0224	0.0938	-0.0520
27	0.1111	-0.1253	-0.0250	0.5165	0.0660
28	-0.0462	0.0321	-0.1268	0.1323	-0.0760
29	0.0219	0.0388	0.3041	-0.0911	-0.1042
30	-0.0134	-0.0006	0.1165	-0.0478	0.0004
31	-0.0340	-0.1314	0.4468	-0.0588	-0.1365
32	0.0286	-0.1049	0.4026	-0.0073	-0.1480
33	-0.0666	-0.0766	0.1352	-0.0606	0.0241
34	0.1338	-0.0261	0.4364	-0.3402	-0.1667
35	0.0039	-0.1673	0.0599	-0.0229	0.1173
36	-0.0487	0.0168	0.4111	0.0470	0.0171
37	0.0110	-0.0027	0.4081	-0.1524	0.0973
38	0.0185	-0.1713	0.4519	-0.0388	0.0724
39	0.0506	-0.0523	0.4687	-0.0147	-0.0692
40	0.0008	-0.0316	0.4344	-0.0136	0.0304
41	-0.0338	0.0326	0.2621	0.1677	0.0130
42	-0.0551	0.1479	0.4429	0.0835	0.0803
43	-0.0250	-0.0133	0.1323	0.0017	0.0677
44	-0.0068	-0.0216	0.2173	-0.0070	0.1500
45	-0.0703	0.1451	0.2486	0.1840	0.0542
46	0.0603	0.0237	-0.0484	0.7562	0.0603

Table F-4 continued on next page.

Table F-4. Promax Factors of the LAI (Continued)

Var.	I	II	III	IV	V
47	-0.0232	0.1465	-0.0379	0.0461	0.2867
48	0.0639	0.7536	-0.0365	0.0297	-0.0173
49	-0.1166	-0.0132	-0.0428	0.0976	0.7231
50	0.6279	0.0636	0.0662	0.1071	-0.0427
51	0.7528	0.0830	0.0708	0.0670	-0.1340
52	0.5327	-0.0113	0.0048	0.0638	-0.1125
53	-0.0603	-0.0090	0.0113	-0.2457	0.0649
54	0.0768	0.0314	-0.0851	0.6855	0.1373
55	-0.0415	0.0207	0.0845	-0.4622	0.0730
56	0.3372	0.0358	0.0427	-0.1983	0.0147
57	0.1157	-0.1155	0.3514	0.4341	-0.0027

TABLE F-5. PROMAX TRANSFORMATION MATRIX

	I	II	III	IV	V
I	0.9460	0.0609	-0.0602	0.0684	-0.0153
II	0.1372	0.9604	-0.1008	-0.0834	-0.0846
III	-0.0690	-0.1225	0.9902	-0.0078	-0.1133
IV	0.1836	-0.1718	0.0510	0.9899	0.0673
V	-0.2186	0.1716	-0.0558	0.0917	0.9875

APPENDIX G

Comparison of PAS and LAI Scale Scores Between
Initial and 6 Month Follow-Up Interviews

TABLE G-1. SUMMARY OF UNWEIGHTED SALIENT LAI FACTOR SCORES FOR INITIAL CLIENT INTERVIEWS CURRENTLY IN THE STR MASTER FILE

		Alcohol Use	Income/ Employment	Socializa- tion	Fam/Marital Status	Physical Health	N
ALL SITES	Mean	- 6.45	- 2.66	- 1.17	-62.85	5.90	2943
	SD	(68.06)	(67.11)	(55.28)	(55.33)	(69.80)	
	Denver	- 1.42	- 8.38	1.07	-61.52	- 3.16	206
	Fairfax	2.97	28.98	19.86	-49.10	- 5.63	506
	Kansas City	-18.86	-14.34	-10.75	-76.77	15.23	304
	Hennepin County	-15.78	7.18	25.67	-72.62	-10.42	156
	New Orleans	-33.87	- 3.97	-17.97	-58.41	20.99	257
	Phoenix	51.72	-38.34	10.74	-51.73	27.62	357
	San Antonio	-13.34	2.62	-34.04	-54.41	-20.10	217
	South Dakota	5.78	- 9.23	-13.23	-76.09	-22.15	153
	New Hampshire	.33	4.00	5.14	-69.84	26.09	202
	Oklahoma City	-52.79	3.80	-18.36	-71.15	12.59	299
	Tampa	-14.09	-13.70	.65	-71.54	4.63	286

TABLE G-2. SUMMARY OF WEIGHTED SALIENT LAI FACTOR SCORES FOR INITIAL CLIENT INTERVIEWS CURRENTLY IN THE STR MASTER FILE

		Alcohol Use	Income/ Employment	Socializa- tion	Fam/Marital Status	Physical Health	N
ALL SITES	Mean	- 3.74	- 1.74	- .14	-29.15	3.17	2943
	SD	(42.30)	(39.86)	(22.24)	(34.30)	(35.04)	
Denver		- 1.12	- 5.62	1.22	-28.78	- .59	206
Fairfax		3.81	16.87	8.32	-22.13	- 3.16	506
Kansas City		-11.62	- 9.39	- 4.21	-35.65	8.67	304
Hennepin County		- 8.67	3.88	11.02	-36.83	- 4.93	156
New Orleans		-20.14	- 1.84	- 7.28	-25.50	9.00	257
Phoenix		29.43	-23.27	5.09	-23.70	14.05	357
San Antonio		- 8.60	1.87	-13.85	-21.89	-10.11	217
South Dakota		2.87	- 4.33	- 5.27	-37.00	-10.48	153
New Hampshire		1.87	2.06	2.64	-34.78	13.57	202
Oklahoma City		-33.35	2.31	- 7.23	-32.83	6.66	299
Tampa		- 7.45	- 8.10	.62	-34.35	3.27	286

TABLE G-3. COMPARISONS OF INITIAL INTERVIEW AND 6 MONTH FOLLOW-UP INTERVIEW LAI SCALE SCORES FOR 350 STR CLIENTS ASSIGNED TO ONE OR MORE STR TREATMENT ALTERNATIVES.

LAI SCALE		INITIAL INTERVIEW		6 MONTH FOLLOW-UP		
Unweighted Salients		Mean	Standard Deviation	Mean	Standard Deviation	t
1.a.	Alcohol Use	-3.39	72.83	-22.23	65.91	5.30*
2.a.	Income/Employment	.85	70.70	13.20	64.16	-2.92*
3.a.	Socialization/Social Act.	9.35	65.61	9.71	49.87	-.10
4.a.	Family/Marital Status	-58.12	58.90	-53.02	54.96	-2.30*
5.a.	Physical Health	10.43	71.21	3.96	70.48	1.44
Weighted Salients						
1.b.	Alcohol Use	-2.06	45.09	-12.29	42.77	4.65*
2.b.	Income/Employment	.13	41.28	7.31	35.25	-3.04*
3.b.	Socialization/Social Act.	3.63	23.59	4.32	20.93	-.55
4.b.	Family/Marital Status	-26.05	36.37	-23.75	34.02	-1.92
5.b.	Physical Health	6.13	36.23	1.64	34.79	2.01*

*p < .05 (two tailed)

TABLE G-4. COMPARISONS OF INITIAL INTERVIEW AND 6 MONTH FOLLOW-UP INTERVIEW LAI SCALE SCORES FOR 183 STR CLIENTS ASSIGNED TO NO-TREATMENT OR MINIMUM EXPOSURE CONTROL GROUPS.

LAI SCALE	INITIAL INTERVIEW		6 MONTH FOLLOW-UP		t
	Mean	Standard Deviation	Mean	Standard Deviation	
Unweighted Salients					
1.a. Alcohol Use	-14.23	69.03	-32.00	64.93	4.32*
2.a. Income/Employment	-3.06	66.77	6.51	61.40	-1.66
3.a. Socialization/Social Act.	-1.87	63.94	2.12	50.77	-.94
4.a. Family/Marital Status	-60.81	61.20	-58.33	54.72	-.80
5.a. Physical Health	6.29	70.91	11.46	78.02	-.89
Weighted Salients					
1.b. Alcohol Use	-8.97	42.92	-19.16	42.21	3.89*
2.b. Income/Employment	-2.09	39.99	3.45	34.02	-1.67
3.b. Socialization/Social Act.	-.16	24.06	1.34	21.23	-.98
4.b. Family/Marital Status	-27.33	37.90	-26.13	34.64	-.69
5.b. Physical Health	3.43	35.31	5.32	38.05	-.67

*p < .05 (two tailed)

TABLE G-5. SUMMARY OF PERSONALITY ASSESSMENT SURVEY (PAS) SCALE SCORES FOR INITIAL CLIENT INTERVIEWS CURRENTLY IN THE STR MASTER FILE. SCALE SCORES RANGE FROM 100-500 AND ARE COMPUTED AS THE MEAN OF THE SALIENT VARIABLES (X 100) WHICH DEFINE EACH SCALE.

PAS Scales	ALL SITES		VARIABLE MEANS BY SITE					
	Mean	Standard Deviation	Denver	Fairfax	Kansas City	Hennepin County	New Orleans	Phoenix
1. Depression	156.2	58.55	164.5	141.5	118.1	156.9	138.4	179.4
2. Indecisive Worry & Guilt	190.1	66.43	199.9	175.5	138.5	196.0	175.6	209.3
3. Hypersensitivity, Tension	211.4	77.50	219.7	202.5	155.7	216.9	195.2	231.8
4. Self-Confidence	365.9	100.25	374.3	375.1	266.9	389.4	375.6	369.4
5. Hypochondria	136.2	52.99	146.4	123.9	104.0	128.3	131.9	142.1
6. Impulsive-Aggressive	168.2	57.57	177.2	157.7	123.4	175.1	155.0	191.9
7. Phobias, Fears	207.9	73.64	217.2	186.1	157.2	206.9	219.9	214.4
8. Paranoid Fear/Mistrust	180.9	62.22	190.7	159.4	137.2	178.9	180.3	198.4
9. Anomalous Thoughts	138.2	53.45	147.0	125.1	103.7	141.7	127.8	147.8
10. Machiavellianism	223.2	80.96	237.0	201.8	167.7	224.2	236.1	238.0
11. Manic, Outgoing	219.6	69.40	233.8	219.5	162.7	240.9	203.8	230.0
12. Experimenting Moralism	275.1	72.91	284.8	276.2	206.5	296.2	259.7	297.5
13. Extraversion	346.4	98.92	354.0	358.1	256.4	366.3	352.5	350.0
14. Intellectual-Esthetic	295.8	92.51	306.5	300.3	217.6	310.6	298.8	299.3
N	2868		190	501	295	135	251	357

Table G-5. Summary of Personality Assessment Survey (PAS) Scale Scores for Initial Client Interviews Currently in the STR Master File (Continued)

PAS Scales	ALL SITES		VARIABLE MEANS BY SITE				
	Mean	Standard Deviation	San Antonio	South Dakota	New Hampshire	Oklahoma City	Tampa
1. Depression	156.2	58.56	161.1	157.7	168.9	179.7	164.3
2. Indecisive Worry & Guilt	190.1	66.48	194.9	194.8	206.9	218.1	201.6
3. Hypersensitivity, Tension	211.4	77.50	215.9	215.9	231.2	234.6	221.4
4. Self-Confidence	365.9	100.25	385.2	386.4	375.6	368.2	389.0
5. Hypochondria	136.2	52.99	148.5	133.9	152.9	157.8	142.6
6. Impulsive-Aggressive	168.2	57.57	175.0	168.7	179.1	181.8	178.4
7. Phobias, Fears	207.9	73.64	234.4	200.5	216.5	236.4	222.4
8. Paranoid Fear/Mistrust	180.9	62.22	200.2	178.8	194.3	201.6	193.0
9. Anomalous Thoughts	138.2	53.45	153.3	134.0	147.0	157.7	151.1
10. Machiavellianism	223.2	80.96	246.1	211.7	236.4	241.5	239.1
11. Manic, Outgoing	219.6	69.40	230.9	228.6	233.6	224.4	232.1
12. Experimenting Moralism	275.1	72.91	282.7	282.6	289.6	281.2	287.2
13. Extraversion	346.4	98.92	356.7	358.3	359.6	350.6	368.1
14. Intellectual-Esthetic	295.8	92.51	309.4	309.1	307.5	302.1	316.4
N	2868		214	147	202	297	279

TABLE G-6. COMPARISONS OF INITIAL INTERVIEW AND 6 MONTH FOLLOW-UP INTERVIEW PAS SCALE SCORES FOR 343 STR CLIENTS ASSIGNED TO ONE OR MORE STR TREATMENT ALTERNATIVES.

PAS SCALE	INITIAL INTERVIEW		6 MONTH FOLLOW-UP		t
	Mean	Standard Deviation	Mean	Standard Deviation	
1. Depression	128.32	77.89	159.62	46.06	-7.19*
2. Indecisive Worry & Guilt	153.08	90.40	194.73	49.51	-8.02*
3. Hypersensitivity, Tension	175.81	107.16	222.11	62.96	-7.76*
4. Self-Confidence	302.03	164.30	387.43	58.44	-9.68*
5. Hypochondria	108.25	65.11	137.07	39.74	-7.35*
6. Impulsive-Aggressive	136.77	80.36	175.79	43.47	-8.43*
7. Phobias, Fears	165.12	97.44	207.11	58.09	-7.25*
8. Paranoid Fear/Mistrust	142.32	82.59	184.04	46.49	-8.69*
9. Anomalous Thoughts	111.07	66.79	140.77	40.79	-7.42*
10. Machiavellianism	178.48	107.42	228.19	63.34	-8.07*
11. Manic, Outgoing	185.50	105.23	236.80	49.65	-8.84*
12. Experimenting Moralism	230.19	124.66	293.77	39.69	-9.60*
13. Extraversion	291.69	161.44	371.82	63.44	-9.58*
14. Intellectual-Esthetic	246.38	140.58	317.28	69.27	-9.41*

*p < .05 (two tailed)

TABLE G-7. COMPARISONS OF INITIAL INTERVIEW AND 6 MONTH FOLLOW-UP INTERVIEW PAS SCALE SCORES FOR 179 STR CLIENTS ASSIGNED TO NO-TREATMENT OR MINIMUM EXPOSURE CONTROL GROUPS.

PAS SCALE	INITIAL INTERVIEW		6 MONTH FOLLOW-UP		t
	Mean	Standard Deviation	Mean	Standard Deviation	
1. Depression	150.10	71.36	159.86	40.66	-2.31*
2. Indecisive Worry & Guilt	183.39	84.58	196.25	47.89	-2.37*
3. Hypersensitivity, Tension	197.52	94.10	225.56	59.23	-4.43*
4. Self-Confidence	335.20	134.74	384.91	55.79	-5.09*
5. Hypochondria	131.23	66.91	143.61	43.40	-2.67*
6. Impulsive-Aggressive	157.90	72.34	178.25	43.91	-4.05*
7. Phobias, Fears	194.83	92.25	220.40	60.24	-3.05*
8. Paranoid Fear/Mistrust	172.81	78.60	192.32	45.16	-3.50*
9. Anomalous Thoughts	132.46	64.47	142.04	39.68	-2.04*
10. Machiavellianism	205.45	97.14	232.39	64.15	-3.67*
11. Manic, Outgoing	203.75	86.46	227.90	49.18	-4.14*
12. Experimenting Moralism	254.33	101.57	294.78	37.31	-5.50*
13. Extraversion	305.68	127.62	354.83	58.22	-5.39*
14. Intellectual-Esthetic	261.89	118.34	308.28	60.29	-5.73*

*p < .05 (two tailed)

APPENDIX H

ASAP Short Term Rehabilitation Study
Life Activities Inventory: Section Two
Initial Questionnaires

ASAP SHORT TERM REHABILITATION STUDY
LIFE ACTIVITIES INVENTORY: SECTION TWO
INITIAL QUESTIONNAIRES

U.S. DEPARTMENT
OF TRANSPORTATION

NATIONAL HIGHWAY TRAFFIC
SAFETY ADMINISTRATION



STOP. BEFORE YOU BEGIN, READ THESE INSTRUCTIONS

THE FIRST SECTION OF THIS BOOKLET CONTAINS QUESTIONS ABOUT YOUR PRESENT LIFE SITUATION. PLEASE CHECK THE ANSWER OR ANSWERS TO EACH QUESTION THAT YOU FEEL ARE MOST CORRECT. DO NOT LEAVE AN ITEM WITHOUT MARKING IT. ALL INFORMATION WILL BE KEPT CONFIDENTIAL. IF YOU HAVE NO QUESTIONS PLEASE BEGIN. IF YOU HAVE QUESTIONS PLEASE ASK THE INTERVIEWER NOW.

I. LIVING SITUATION

1. CHECK ALL PERSONS WITH WHOM YOU ARE CURRENTLY LIVING.

- A. SPOUSE
- B. DEPENDENT CHILDREN
- C. ADULT SON AND/OR DAUGHTER
- D. PARENT(S)
- E. RELATIVE(S)
- F. FRIEND(S)
- G. LIVE ALONE

2. WHICH OF THE FOLLOWING BEST DESCRIBES YOUR PLACE OF RESIDENCE?

- A. OWN HOME
- B. RENTED HOUSE OR APARTMENT
- C. BOARDING OR ROOMING HOUSE
- D. NURSING HOME
- E. NO-COST SHELTER
- F. NO RESIDENCE
- G. OTHER

3. ENTER THE LENGTH OF TIME YOU HAVE LIVED AT YOUR PRESENT RESIDENCE?

_____ YEARS, _____ MONTHS, _____ WEEKS

4. HOW OFTEN HAVE YOU CHANGED YOUR RESIDENCE IN THE LAST SIX MONTHS?

- A. NEVER
- B. ONCE
- C. MORE THAN ONCE

5. HOW OFTEN DO YOU TYPICALLY CHANGE YOUR RESIDENCE?

- A. MORE THAN TWICE A YEAR
- B. ONCE OR TWICE A YEAR
- C. LESS THAN ONCE A YEAR

6. HAVE YOU RECENTLY BEEN EVICTED FROM OR ASKED TO LEAVE YOUR PLACE OF RESIDENCE?

- A. NO
- B. YES

7. HAVE YOUR LIVING CONDITIONS CHANGED IN THE PAST SIX MONTHS?

- A. WORSENERD
- B. STAYED ABOUT THE SAME
- C. IMPROVED

8. DO YOU HAVE YOUR OWN TELEPHONE?

- A. NO
- B. YES

9. DO YOU OWN OR ARE YOU BUYING AN AUTOMOBILE?

- A. NO
- B. YES

10. HOW OFTEN DO YOU TYPICALLY CHANGE JOBS?

- A. MORE THAN TWICE A YEAR
- B. ONCE OR TWICE A YEAR
- C. LESS THAN ONCE A YEAR

11. HOW MANY JOBS HAVE YOU HAD IN THE PAST SIX MONTHS?

- A. NONE
- B. ONE
- C. TWO
- D. MORE THAN TWO

12. DOES YOUR CIRCLE OF FRIENDS AND ACQUAINTANCES CHANGE FROM TIME TO TIME?

- A. ALMOST NEVER
- B. SOMETIMES
- C. OFTEN
- D. VERY OFTEN

II. EMPLOYMENT SITUATION

13. CHECK THE ONE OF THE FOLLOWING WHICH BEST DESCRIBES YOU.

- A. RETIRED, NOT WORKING
- B. RETIRED, WORKING PART-TIME
- C. HOUSEWIFE, UNEMPLOYED OUTSIDE HOME
- D. HOUSEWIFE, EMPLOYED PART-TIME OUTSIDE HOME
- E. HOUSEWIFE, EMPLOYED FULL-TIME OUTSIDE HOME
- F. STUDENT
- G. NONE OF THE ABOVE

14. HOW LONG HAVE YOU BEEN EMPLOYED DURING THE PAST SIX MONTHS?

- A. ALL SIX MONTHS
- B. 3, 4 OR 5 MONTHS
- C. 1 OR 2 MONTHS
- D. A FEW DAYS OR WEEKS BUT LESS THAN A MONTH
- E. NO JOBS AT ALL THROUGHOUT THIS PERIOD

15. ENTER YOUR INCOME LAST MONTH FROM THE FOLLOWING SOURCES (IF HOUSEWIFE, REPORT FAMILY INCOME).

- _____ EARNED INCOME (BEFORE TAXES)
- _____ UNEMPLOYMENT COMPENSATION
- _____ PENSIONS
- _____ WELFARE AND/OR RELATED PUBLIC ASSISTANCE
- _____ ALIMONY AND/OR CHILD SUPPORT
- _____ OTHER (INHERITANCE, DIVIDENDS, ETC.)

go on to next page

16. ENTER THE NUMBER OF HOURS A WEEK YOU SPEND IN THE FOLLOWING WORK ACTIVITIES?
-
- _____ HOUSEWORK OR HOME MAINTENANCE
 _____ EMPLOYMENT OUTSIDE HOME
 _____ VOLUNTEER WORK
17. IS YOUR FINANCIAL SITUATION CHANGING?
- () A. IMPROVING
 () B. NOT CHANGING NOTABLY
 () C. WORSENING
18. HOW DO YOU FEEL ABOUT YOUR PRESENT WORK SITUATION?
- () A. SATISFIED
 () B. USUALLY SATISFIED, BUT SOMETIMES THINK I WOULD RATHER DO SOMETHING ELSE
 () C. DISSATISFIED, LOOKING FOR SOMETHING ELSE
19. ARE YOU HAVING ANY TROUBLE WITH THE PEOPLE YOU WORK WITH (FOR)?
- () A. NO SERIOUS PROBLEMS
 () B. SOME NOTABLE PROBLEMS
 () C. SERIOUS PROBLEMS (E.G., RECENTLY FIRED)
20. RELATIVE TO YOUR OWN STANDARDS, ARE THERE DEFICIENCIES IN YOUR WORK?
- () A. NO SERIOUS DEFICIENCIES
 () B. SOME NOTABLE DEFICIENCIES
 () C. UNABLE TO DO MY WORK
21. DO YOU VOLUNTARILY DO MORE ON YOUR JOB THAN IS REQUIRED?
- () A. NEVER OR ALMOST NEVER
 () B. SOMETIMES
 () C. OFTEN
 () D. VERY OFTEN
22. ARE YOU DEVOTING TIME OUTSIDE OF WORK TO IMPROVE YOUR WORK SKILLS AND/OR EMPLOYMENT SITUATION?
- () A. NO
 () B. ONE TO TWO HOURS A WEEK
 () C. THREE TO FOUR HOURS A WEEK
 () D. MORE THAN FOUR HOURS A WEEK
23. DO YOU DREAD GOING TO WORK?
- () A. NEVER OR ALMOST NEVER
 () B. SOME DAYS
 () C. MOST DAYS
 () D. ALMOST EVERY DAY

III. HEALTH

24. HOW IS YOUR HEALTH?
- () A. IMPROVED SOME LATELY
 () B. NOTICED NO CHANGE
 () C. WORSENERD SOME RECENTLY
 () D. RECENTLY HAD SEVERE AND/OR DISABLING PROBLEMS
25. HOW WOULD YOU DESCRIBE YOUR HEALTH, RELATIVE TO OTHERS YOUR AGE?
- () A. BELOW AVERAGE
 () B. AVERAGE
 () C. ABOVE AVERAGE
26. HAVE YOU BEEN FEELING TIRED OR EXHAUSTED?
- () A. ALMOST EVERY DAY
 () B. MOST DAYS
 () C. SOME DAYS
 () D. NO OR ALMOST NEVER
27. HOW ARE YOU SLEEPING AT NIGHT?
- () A. USUALLY GET A GOOD NIGHT'S SLEEP
 () B. HAVE HAD SOME TROUBLE SLEEPING
 () C. RARELY GET A GOOD NIGHT'S SLEEP
28. HAVE YOU BEEN ILL WITH COLDS, FLU, ETC.?
- () A. NO OR ALMOST NEVER
 () B. OCCASIONALLY
 () C. FREQUENTLY
29. DO YOU CURRENTLY HAVE ANY PHYSICAL PROBLEMS RELATED TO THE EXCESSIVE USE OF ALCOHOL?
- () A. NONE
 () B. SOME
 () C. MANY
30. ARE YOU CURRENTLY HAVING ANY MEDICAL PROBLEMS?
- () A. NO
 () B. MINOR ONE(S)
 () C. MAJOR ONE(S)
31. ARE YOU CURRENTLY RECEIVING MEDICAL ASSISTANCE FOR HEALTH PROBLEMS?
- () A. NO
 () B. YES
32. HAVE YOU BEEN HOSPITALIZED IN THE PAST SIX MONTHS FOR A PHYSICAL ILLNESS OR INJURY?
- () A. ONE WEEK OR MORE
 () B. LESS THAN ONE WEEK
 () C. NO

33. CHECK THE HEALTH PROBLEMS WHICH CURRENTLY APPLY TO YOU:
- A. SKIN PROBLEMS
 - B. HEART OR CARDIOVASCULAR PROBLEMS
 - C. STOMACH OR INTESTINAL PROBLEMS
 - D. LUNG OR RESPIRATORY PROBLEMS
 - E. EYES, EARS, NOSE, OR THROAT PROBLEMS
 - F. UNUSUAL WEIGHT CHANGES
 - G. PAIN OR TINGLING IN HANDS, FEET, LEGS, ETC.
 - H. HEADACHES
 - I. LIVER PROBLEMS
34. CHECK THE COMPLETE, REGULAR MEAL(S) THAT YOU EAT MOST DAYS:
- A. BREAKFAST
 - B. LUNCH
 - C. DINNER
35. DO YOUR EATING HABITS PROVIDE A WELL-BALANCED INTAKE OF FOOD EACH DAY (CONTAIN FRUIT, VEGETABLES, MEAT, CEREAL, ETC.)?
- A. EAT VERY LITTLE OR ONLY ONE TYPE OF FOOD ON MOST DAYS
 - B. MAY GET IN A GOOD DAY OR TWO A WEEK BUT RARELY MORE
 - C. PROBABLY EAT A WELL-BALANCED DIET ON MOST DAYS
36. ARE YOU CURRENTLY USING VITAMIN SUPPLEMENTS (PRESCRIPTION OR NON-PRESCRIPTION)
- A. ALMOST EVERY DAY
 - B. SOMETIMES
 - C. RARELY OR NEVER

IV. ALCOHOL USE

37. ARE YOU SOBER AT THIS TIME?
- A. YES
 - B. NO
38. HOW LONG HAS IT BEEN SINCE YOUR LAST DRINK?
- _____MOS. _____WKS. _____DAYS.
_____HRS.
39. WHAT IS THE LONGEST PERIOD THAT YOU HAVE GONE WITHOUT ALCOHOL IN THE PAST SIX MONTHS?
- _____MOS. _____WKS. _____DAYS.
_____HRS.

40. ARE YOU ABLE TO REGULATE THE TIMES AT WHICH YOU DRINK?
- A. NEVER OR ALMOST NEVER
 - B. SOMETIMES
 - C. MOST TIMES
 - D. ALWAYS OR ALMOST ALWAYS
41. WHEN DRINKING, ARE YOU ABLE TO REGULATE OR CONTROL THE AMOUNT YOU DRINK?
- A. ALWAYS OR ALMOST ALWAYS
 - B. MOST TIMES
 - C. SOMETIMES
 - D. NEVER OR ALMOST NEVER
42. HOW WOULD YOU COMPARE THE FREQUENCY AND AMOUNT OF YOUR PRESENT DRINKING TO THAT OF PREVIOUS TIMES?
- A. INCREASED NOTABLY
 - B. INCREASED SOME
 - C. ABOUT THE SAME
 - D. DECREASED SOME
 - E. DECREASED NOTABLY
43. IS DRINKING A PROBLEM FOR YOU AT THIS TIME?
- A. VERY MUCH SO
 - B. MODERATELY SO
 - C. SOMEWHAT
 - D. NOT AT ALL
44. ARE YOU FINDING IT DIFFICULT TO LIVE WITHOUT ALCOHOL?
- A. VERY MUCH SO
 - B. MODERATELY SO
 - C. SOMEWHAT
 - D. NOT AT ALL
45. DOES YOUR PRESENT DRINKING INTERFERE WITH FULFILLING RESPONSIBILITIES TO YOURSELF OR OTHERS?
- A. VERY MUCH SO
 - B. MODERATELY SO
 - C. SOMEWHAT
 - D. NOT AT ALL
46. HAVE YOU BEEN DRUNK IN PUBLIC IN THE PAST SIX MONTHS?
- A. NO
 - B. ONCE OR TWICE
 - C. MORE THAN TWICE
47. IN THE PAST SIX MONTHS HAVE YOU BEEN TREATED OR DETAINED FOR PUBLIC INTOXICATION?
- A. NO
 - B. ONCE
 - C. MORE THAN ONCE

62. HAVE YOU BEEN CHARGED WITH ANY CRIMINAL OFFENSE IN THE PAST SIX MONTHS (DO NOT INCLUDE DRIVING OR DRUNKENNESS CONVICTIONS)?

- A. NO
 B. YES, A MISDEMEANOR OR PETTY CRIME
 C. YES, CHARGED WITH A MORE SERIOUS CRIME, SUCH AS A FELONY

63. DO MOST OF YOUR FRIENDS DRINK?

- A. TRUE OF FEW
 B. TRUE OF SOME
 C. TRUE OF MANY
 D. TRUE OF MOST

64. DO YOU PARTICIPATE IN GROUPS OR CLUBS (SUCH AS BRIDGE CLUBS, LODGES, FRATERNITIES, TENNIS CLUBS, ETC.)?

- A. REGULARLY
 B. OCCASIONALLY
 C. RARELY
 D. NO

65. HAVE YOU PHYSICALLY INJURED ANYONE IN THE PAST SIX MONTHS (DO NOT INCLUDE DRIVING ACCIDENTS)?

- A. NO OR NOT TO MY KNOWLEDGE
 B. QUITE UNINTENTIONALLY OR UNDER VERY UNUSUAL CIRCUMSTANCES
 C. HAVE BEEN INVOLVED IN ONE OR MORE INCIDENT(S)

66. HOW DO YOU FEEL ABOUT YOUR CONTACTS WITH OTHER PEOPLE?

- A. WISH I HAD MORE FRIENDS OR SAW MY FRIENDS MORE FREQUENTLY
 B. CONTENT WITH MY RELATIONSHIPS WITH OTHERS
 C. WISH I HAD FEWER FRIENDS OR THAT MY FRIENDS WOULD CONTACT ME LESS OFTEN

67. ARE YOUR RELATIONSHIPS WITH OTHER PEOPLE CHANGING?

- A. WORSENING
 B. REMAINING ABOUT THE SAME
 C. IMPROVING

68. HAVE YOU ATTEMPTED SUICIDE IN THE PAST SIX MONTHS?

- A. NO
 B. YES, BUT REALLY HOPED SOMEONE WOULD FIND OR STOP ME
 C. YES, MADE A VERY SERIOUS ATTEMPT ON MY LIFE

69. DO YOU GET OUT AND DO THINGS WITH OTHER PEOPLE SUCH AS ATTEND MOVIES OR BALL GAMES?

- A. ALMOST NEVER
 B. SOMETIMES
 C. OFTEN
 D. VERY OFTEN

70. HAVE YOU PLEADED OR BEEN FOUND GUILTY IN THE PAST SIX MONTHS OF DRIVING VIOLATIONS WHICH DID NOT INVOLVE ALCOHOL?

- A. NO
 B. A MINOR ONE
 C. A MAJOR ONE OR SEVERAL MINOR ONES

ANSWER THE FOLLOWING QUESTIONS IF YOU ARE MARRIED OR LIVING IN A MARITAL-TYPE RELATIONSHIP.

VI. MARRIAGE

71. HOW DOES YOUR PRESENT RELATIONSHIP WITH YOUR SPOUSE (MARRIAGE PARTNER) COMPARE TO THAT OF PREVIOUS TIMES?

- A. NOTICEABLY BETTER
 B. SOMEWHAT BETTER
 C. ABOUT THE SAME
 D. SOMEWHAT WORSE
 E. NOTICEABLY WORSE

72. HOW ARE YOU GETTING ALONG WITH YOUR SPOUSE?

- A. PRACTICALLY NO SERIOUS DISAGREEMENTS
 B. SERIOUS DISAGREEMENTS, BUT WE USUALLY "PATCH THINGS UP"
 C. CONTINUING SERIOUS DISAGREEMENTS, OFTEN UNRESOLVED

73. IS YOUR SPOUSE SATISFIED WITH YOU?

- A. SEEMS TO BE GENERALLY SATISFIED WITH ME
 B. HAS SOME SERIOUS COMPLAINTS
 C. GENERALLY NOT SATISFIED WITH ME

74. DO YOU AND YOUR SPOUSE ARGUE?

- A. NEVER OR ALMOST NEVER
 B. SOMETIMES
 C. OFTEN
 D. CONTINUOUSLY OR ALMOST CONTINUOUSLY

go on to next page

75. DOES YOUR SPOUSE MAKE FAIR DEMANDS OF YOU?

- A. EXPECTS AND/OR DEMANDS TOO MUCH
- B. SOMETIMES EXPECTS TOO MUCH, BUT OFTEN FAIR
- C. ALMOST ALWAYS EXPECTS ONLY WHAT IS FAIR

76. DO YOU AND YOUR SPOUSE REACH AGREEMENT ON IMPORTANT ISSUES?

- A. ON ALL THINGS
- B. ON MOST THINGS
- C. ON SOME THINGS
- D. ON FEW THINGS
- E. NEVER SEE EYE-TO-EYE ON IMPORTANT MATTERS

77. DO YOU EXPRESS YOUR INNERMOST THOUGHTS AND FEELINGS TO YOUR SPOUSE?

- A. ON ALL THINGS
- B. ON MOST THINGS
- C. ON SOME THINGS
- D. ON FEW THINGS
- E. NEVER

78. DO YOU FEEL YOUR SPOUSE UNDERSTANDS YOU?

- A. I THINK I AM QUITE PUZZLING TO HER/HIM
- B. UNDERSTANDS SOME IMPORTANT FEATURES
- C. UNDERSTANDS ME QUITE WELL

79. DO YOU FEEL YOUR SPOUSE ACCEPTS YOU?

- A. ACCEPTS ME THE WAY I AM
- B. GENERALLY ACCEPTS ME BUT WANTS IMPORTANT CHANGES TOO
- C. DOES NOT ACCEPT ME THE WAY I AM

80. DOES YOUR SPOUSE WANT TO REMAIN MARRIED TO YOU?

- A. SEEMS TO WANT TO END IT
- B. SOMETIMES WANTS TO END IT, OTHER TIMES DOES NOT
- C. DOES NOT WANT TO END IT

81. DOES YOUR SPOUSE DO THE WORK YOU EXPECT OF A MARRIAGE PARTNER?

- A. SELDOM DOES WHAT IS EXPECTED
- B. DOES POORLY IN SOME THINGS, OKAY IN OTHERS
- C. USUALLY DOES WHAT IS EXPECTED

32. WOULD YOU LIKE TO TERMINATE YOUR MARRIAGE IF YOU COULD DO SO IN A REASONABLE MANNER?

- A. CLEARLY PREFER TO END IT
- B. SOMETIMES WANT TO END IT, OTHER TIMES DO NOT
- C. CLEARLY PREFER NOT TO END IT

33. HOW OFTEN DO YOU HAVE SEXUAL RELATIONS WITH YOUR SPOUSE?

- A. LESS THAN ONCE A MONTH
- B. LESS THAN ONCE A WEEK, BUT MORE THAN ONCE A MONTH
- C. ONCE OR TWICE A WEEK
- D. THREE TO FIVE TIMES A WEEK
- E. MORE THAN FIVE TIMES A WEEK

34. ARE SEXUAL RELATIONSHIPS WITH YOUR SPOUSE SATISFACTORY?

- A. ALMOST NEVER
- B. SOMETIMES
- C. MOST TIMES
- D. ALMOST ALWAYS

35. HOW MANY DIFFERENT EXTRA-MARITAL PARTNERS HAVE YOU HAD WITHIN THE LAST TWO YEARS?

- A. NONE
- B. ONE
- C. TWO OR THREE
- D. MORE THAN THREE

36. HAS YOUR SPOUSE HAD EXTRA-MARITAL PARTNERS IN THE PAST TWO YEARS?

- A. NO, NOT TO MY KNOWLEDGE
- B. PERHAPS, I SUSPECT SO BUT NOT SURE
- C. YES, KNOW FOR SURE

go on to next page

STOP. BEFORE YOU CONTINUE, READ THESE INSTRUCTIONS.

THE FOLLOWING SECTION OF THIS BOOKLET CONSISTS OF NUMBERED STATEMENTS. THE STATEMENTS ARE ABOUT YOUR FEELINGS TOWARD YOURSELF AND YOUR BELIEFS IN GENERAL. AFTER EACH STATEMENT IS A SET OF WORDS TO DESCRIBE HOW MUCH THE STATEMENT APPLIES TO YOU OR HOW WELL THE STATEMENT DESCRIBES YOUR FEELINGS. YOU ARE TO CHECK THE ONE WORD AFTER EACH STATEMENT WHICH BEST DESCRIBES HOW YOU FEEL ABOUT THE STATEMENT. THIS MAY BE DIFFICULT FOR SOME OF THE STATEMENTS, BUT PLEASE DO THE BEST YOU CAN. DO NOT LEAVE AN ITEM WITHOUT MAKING A MARK ON IT. YOU WILL SEE THAT EACH SET OF WORDS HAS A BLANK MIDDLE CATEGORY. YOU PROBABLY WILL NOT USE THIS CATEGORY VERY OFTEN, IF AT ALL. THIS CATEGORY SHOULD BE MARKED ONLY IF YOU ABSOLUTELY CAN NOT DECIDE WHETHER OR NOT THE STATEMENT DESCRIBES YOUR FEELINGS OR BELIEFS. ALL INFORMATION WILL BE KEPT CONFIDENTIAL. IF YOU HAVE NO QUESTIONS PLEASE BEGIN. IF YOU HAVE QUESTIONS PLEASE ASK THE INTERVIEWER NOW.

1. I AM EMBARRASSED BY DIRTY STORIES.
 ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER
2. I AM INTERESTED IN SCIENCE.
 VERY MUCH SOMEWHAT VERY LITTLE NOT AT ALL
3. AS A YOUNGSTER I USED TO SKIP SCHOOL.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
4. MY FATHER WAS GOOD TO ME.
 ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER
5. I TALK WITH STRANGERS WHEN I AM TRAVELING ABOUT TOWN.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
6. I MIGHT LIKE THE WORK OF A LIBRARIAN.
 TRUE PROBABLY TRUE PROBABLY FALSE FALSE
7. I LIKE POETRY.
 VERY MUCH SOMEWHAT VERY LITTLE NOT AT ALL
8. I HIDE MY FEELINGS SO THAT OTHERS DO NOT KNOW THEY HURT ME.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
9. I SUFFER FROM VOMITING AND NAUSEA.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
10. I ENJOY LEADING DISCUSSIONS AND EXCHANGING OPINIONS WITH PEOPLE.
 VERY TRUE TRUE FALSE VERY FALSE
11. I AM NOT AFRAID OF THE DARK.
 VERY TRUE TRUE FALSE VERY FALSE

12. I THINK ABOUT A SECRET DREAM LIFE.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
13. I HAVE A HARD TIME GETTING STARTED ON A TASK.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
14. I HAVE ARGUED WITH PEOPLE WHEN THEY WERE WRONG.
 ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER
15. MY JUDGMENT IS SOUND AND MATURE.
 ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER
16. THINGS HAPPEN WHICH FRIGHTEN ME.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
17. I AM NOT KNOWN TO BE EASILY ANGERED.
 VERY TRUE TRUE FALSE VERY FALSE
18. MICE AND BEETLES AND OTHER SMALL ANIMALS AND INSECTS MAKE ME NERVOUS.
 ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER
19. I FIND IT DIFFICULT TO MAKE CONVERSATION WITH STRANGERS.
 ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER
20. WHEN I MEET NEW PEOPLE I AM THE FIRST TO STRIKE UP A CONVERSATION.
 ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER
21. ALL IT TAKES IS A LITTLE EXCITEMENT TO BRING ME OUT OF FEELING LOW.
 ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

go on to next page

22. I AM ACCURATELY DESCRIBED AS CALM AND CONTROLLED.
- VERY TRUE TRUE FALSE VERY FALSE
23. IN ORDER TO GET WHAT THEY WANT, PEOPLE IN POWER WILL GET AROUND A LAW WITHOUT ACTUALLY BREAKING IT.
- TRUE OF MOST TRUE OF MANY TRUE OF SOME TRUE OF FEW
24. I EXPERIENCE DIZZY SPELLS.
- ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
25. A LIGHTENING STORM IS A FEARFUL EXPERIENCE.
- VERY TRUE TRUE FALSE VERY FALSE
26. I GIVE UP TRYING TO DO SOMETHING BECAUSE IT HAS SO MANY DIFFICULTIES AND ALTERNATIVES.
- ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
27. I SUSPECT THAT SOMEONE IS FOLLOWING ME.
- ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
28. I AM UNDER A GREAT DEAL OF TENSION.
- ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
29. I HAVE NOT LIVED UP TO MY POTENTIAL.
- TRUE PROBABLY TRUE PROBABLY FALSE FALSE
30. SOMEONE IS OUT TO RUIN ME.
- VERY LIKELY LIKELY UNLIKELY VERY UNLIKELY
31. PEOPLE IN AUTHORITY ARRANGE TO GET CREDIT FOR THE GOOD WORK AND BLAME THE BAD WORK ON OTHERS.
- TRUE OF MOST TRUE OF MANY TRUE OF SOME TRUE OF FEW

32. I HAVE PRETENDED TO BE ILL IN ORDER TO GET OUT OF SOMETHING.
- ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
33. THERE ARE TIMES WHEN I DO NOT TELL THE TRUTH.
- ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
34. PEOPLE WILL USE SOMEWHAT UNFAIR MEANS TO GET WHAT THEY WANT.
- TRUE OF MOST TRUE OF MANY TRUE OF SOME TRUE OF FEW
35. I AM NERVOUS AND ANXIOUS ABOUT THINGS.
- ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
36. I BROOD OR FEEL SORRY FOR MYSELF.
- ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
37. I HAVE PAINS.
- ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
38. I READ NEWSPAPER EDITORIALS.
- ALMOST EVERY DAY MOST DAYS SOME DAYS ALMOST NEVER
39. I HAVE PERIODS WHEN I LAUGH OR CRY IN AN UNCONTROLLABLE MANNER.
- ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
40. IT IS HARD FOR ME TO TAKE PART IN GROUP CONVERSATIONS.
- ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER
41. I DO NOT ENJOY GOING TO ART MUSEUMS.
- VERY TRUE TRUE FALSE VERY FALSE

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42. I HAVE CHEST PAINS.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
43. CERTAIN PEOPLE WOULD LIKE ME OUT OF THE WAY.
 VERY TRUE TRUE FALSE VERY FALSE
44. I HAVE TROUBLE WITH MY STOMACH.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
45. DISPLAYS OF FLOWERS OR PLANTS CATCH MY ATTENTION.
 ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER
46. ONE SHOULD BE SUSPICIOUS WHEN PEOPLE ARE QUITE FRIENDLY.
 ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER
47. I HAVE WEIRD DREAMS I FEEL I SHOULD NOT TALK ABOUT.
 TRUE OF MOST TRUE OF MANY TRUE OF SOME TRUE OF FEW
48. SHARP OR POINTED OBJECTS MAKE ME NERVOUS.
 VERY TRUE TRUE FALSE VERY FALSE
49. I LIKE TO POKE FUN AT PEOPLE.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
50. TERRIBLE THOUGHTS COME INTO MY MIND AND TEND TO PERSIST.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN
51. THERE IS NOTHING PARTICULARLY FEARFUL ABOUT SPIDERS.
 VERY TRUE TRUE FALSE VERY FALSE

52. SNAKES DO NOT PARTICULARLY FRIGHTEN ME.
 VERY TRUE TRUE FALSE VERY FALSE
53. IT BOTHERS ME TO ENTER A PARTY THAT HAS ALREADY STARTED.
 VERY TRUE TRUE FALSE VERY FALSE
54. I GOT ALONG WELL WITH MY PARENTS.
 ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER
55. I FEEL EXCITED, STIMULATED AND ALERT WHEN THINGS ARE GOING BADLY.
 ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER
56. LECTURES ON SERIOUS SUBJECTS BORE ME.
 TRUE OF MOST TRUE OF MANY TRUE OF SOME TRUE OF FEW
57. I WISH I COULD BE MORE OUTGOING THAN I AM.
 VERY TRUE TRUE FALSE VERY FALSE
58. I KEEP UP WITH READING IN MY AREAS OF INTEREST.
 ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER
59. I AM NOT EASILY UPSET.
 TRUE PROBABLY TRUE PROBABLY FALSE FALSE
60. I WONDER IF THERE IS SOMETHING WRONG WITH MY MIND.
 VERY TRUE TRUE FALSE VERY FALSE
61. I HAVE HEADACHES.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

go on to next page

62. THERE ARE THINGS ABOUT ME THAT I DO NOT LIKE.

TRUE OF MOST TRUE OF MANY TRUE OF SOME TRUE OF FEW

63. I FIND MYSELF MEMORIZING NUMBERS OR REPEATING WORDS FOR NO APPARENT REASON.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

64. GIVEN THE OPPORTUNITY PEOPLE WILL TAKE ADVANTAGE OF AN EASILY DECEIVED PERSON.

TRUE OF MOST TRUE OF MANY TRUE OF SOME TRUE OF FEW

65. I CAN "PITCH IN" AND GET A JOB DONE.

VERY TRUE TRUE FALSE VERY FALSE

66. I HAVE NEVER BEEN KNOWN AS A TROUBLE-MAKER.

VERY TRUE TRUE FALSE VERY FALSE

67. I FEEL MOST SECURE WHEN ALONE.

VERY TRUE TRUE FALSE VERY FALSE

68. MY THOUGHTS ARE STRANGE AND PECULIAR.

TRUE OF MOST TRUE OF MANY TRUE OF SOME TRUE OF FEW

69. I BECOME NERVOUS WHEN I LOOK DOWN FROM A HIGH PLACE.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

70. I HAVE TROUBLE MAKING NEW FRIENDS.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

71. I GET ATTACKS OF NAUSEA.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

72. OTHERS ARE PLOTTING AGAINST ME.

VERY LIKELY LIKELY UNLIKELY VERY UNLIKELY

73. I SEE OR HEAR OR FEEL STRANGE THINGS WHICH ARE NOT QUITE REAL.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

74. MY INTERESTS ARE MORE VARIED THAN MOST PEOPLE'S.

TRUE PROBABLY TRUE PROBABLY FALSE FALSE

75. I HAVE SUCCEEDED AT THE THINGS I HAVE TRIED.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

76. I LISTEN TO CLASSICAL OR SYMPHONIC MUSIC.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

77. PARTS OF MY BODY FEEL NUMB.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

78. HARDLY ANYTHING FRIGHTENS ME.

VERY TRUE TRUE FALSE VERY FALSE

79. MY LIFE AND THINGS AROUND ME SEEM UNREAL, AS IF IN A DREAM.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

80. THE EXCITEMENT OF A CROWD ATTRACTS ME.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

81. PEOPLE REALLY DO NOT WANT TO GO OUT OF THEIR WAY TO HELP OTHERS.

TRUE PROBABLY TRUE PROBABLY FALSE FALSE

go on to next page

82. MY DECISIONS ARE GOVERNED BY MY HEAD RATHER THAN MY HEART.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

83. WHEN PEOPLE ACT IN AN UNSELFISH WAY, IT IS BECAUSE THERE IS SOMETHING IN IT FOR THEM.

TRUE OF MOST TRUE OF MANY TRUE OF SOME TRUE OF FEW

84. UNDER NO CIRCUMSTANCES WOULD I BREAK A LAW.

TRUE PROBABLY TRUE PROBABLY FALSE FALSE

85. I AM NOT A HIGH STRUNG, TENSE PERSON.

VERY TRUE TRUE FALSE VERY FALSE

86. I REALLY ENJOY A GOOD PARTY OR BEING WITH A GROUP OF BOISTEROUS PEOPLE HAVING A GOOD TIME.

VERY MUCH SOMEWHAT VERY LITTLE NOT AT ALL

87. PEOPLE MAKE FRIENDS PRIMARILY FOR THE PURPOSE OF FEATHERING THEIR OWN NEST.

TRUE OF MOST TRUE OF MANY TRUE OF SOME TRUE OF FEW

88. I HAVE BEEN HEALTHY AND FREE OF ILLNESS OVER THE PAST SEVERAL YEARS.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

89. PEOPLE EXPECT MORE RESPECT FOR THEIR OWN RIGHTS THAN THEY ARE WILLING TO ALLOW FOR OTHERS.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

90. I AM A RESTLESS PERSON AND LIKE TO MOVE ABOUT.

VERY TRUE TRUE FALSE VERY FALSE

91. I ADMIRE PEOPLE WHO CAN PUT UP WITH TEDIOUS, ROUTINE WORK.

TRUE OF MOST TRUE OF MANY TRUE OF SOME TRUE OF FEW

92. IT SEEMS THAT I AM MORE EASILY HURT THAN MOST PEOPLE.

TRUE PROBABLY TRUE PROBABLY FALSE FALSE

93. OLD CUSTOMS AND TRADITIONS SHOULD BE PRESERVED.

TRUE OF MOST TRUE OF MANY TRUE OF SOME TRUE OF FEW

94. THE WISH THAT I WERE DEAD OCCURS TO ME.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

95. I SEEM TO EXPERIENCE THINGS MORE INTENSELY THAN MOST PEOPLE.

TRUE PROBABLY TRUE PROBABLY FALSE FALSE

96. WHEN THINGS WERE BAD, I HAVE FELT LIKE LEAVING HOME.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

97. I MIGHT ENJOY A SEXY SHOW.

VERY TRUE TRUE FALSE VERY FALSE

98. I THINK ABOUT POSSIBLE MISFORTUNES.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

99. IT WORRIES ME A GREAT DEAL TO BE CLOSED INTO A SMALL ROOM OR CLOSET.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

100. I AM UNHAPPY OR DEPRESSED.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

go on to next page

101. I FEEL EXCITED AND HAPPY FOR NO APPARENT REASON.

ALMOST EVERY DAY MOST DAYS SOME DAYS ALMOST NEVER

102. UNDER THE RIGHT CIRCUMSTANCES I COULD DO THINGS OF BENEFIT TO THE COMMUNITY.

TRUE PROBABLY TRUE PROBABLY FALSE FALSE

103. I FEEL NO ONE REALLY CARES WHAT HAPPENS TO ME.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

104. WHEN I SEE SOMEONE I KNOW I PRETEND NOT TO NOTICE.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

105. I WORRY BEYOND REASON OVER THINGS THAT REALLY DO NOT MATTER.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

106. I LOSE SLEEP WORRYING ABOUT THINGS.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

107. PEOPLE ARE HONEST PRIMARILY BECAUSE THEY ARE AFRAID OF BEING CAUGHT.

TRUE OF MOST TRUE OF MANY TRUE OF SOME TRUE OF FEW

108. WHEN THINGS WERE BOTHERING ME, I HAVE FELT LIKE STARTING A FIGHT.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

109. WHEN THINGS DID NOT GO MY WAY, I HAVE LOST MY TEMPER.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

110. I AM ABLE TO PLEASE OTHER PEOPLE.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

111. A BLOODY PERSON OR ANIMAL FRIGHTENS OR SICKENS ME.

VERY TRUE TRUE FALSE VERY FALSE

112. I AM AN IMPORTANT PERSON.

TRUE PROBABLY TRUE PROBABLY FALSE FALSE

113. CERTAIN HABITS OF OTHERS HAVE ANNOYED OR BOTHERED ME.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

114. WHEN ANGERED I HAVE FELT LIKE SMASHING THINGS.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

115. I THINK ABOUT ENDING IT ALL.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

116. I HAVE MISSED OUT ON THINGS BECAUSE I COULD NOT MAKE UP MY MIND QUICKLY ENOUGH.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

117. I FEAR TRAVELING BY AIRPLANE.

VERY TRUE TRUE FALSE VERY FALSE

118. I LIKED SCHOOL.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

119. GOING OUT DANCING WOULD BE MY IDEA OF A GOOD TIME.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

120. I DOUBT THAT I WILL EVER AMOUNT TO MUCH.

TRUE PROBABLY TRUE PROBABLY FALSE FALSE

121. STRONG DISAGREEMENTS SHOULD BE RESOLVED TO EVERYONE'S SATISFACTION.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

122. I FEEL AS IF A DISASTER OR SOMETHING DREADFUL IS ABOUT TO OCCUR.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

123. I FEAR THAT I MAY BE LOSING MY MIND.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

124. I FEEL UPSET IN THE PIT OF MY STOMACH.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

125. ON IMPORTANT DECISIONS I SHIFT BACK AND FORTH FROM ONE ALTERNATIVE TO ANOTHER.

VERY TRUE TRUE FALSE VERY FALSE

126. I AM HEALTHIER THAN MOST PEOPLE MY AGE.

TRUE PROBABLY TRUE PROBABLY FALSE FALSE

127. PEOPLE DO NOT UNDERSTAND ME.

VERY TRUE TRUE FALSE VERY FALSE

128. ALL FORMS OF GAMBLING SHOULD BE OUTLAWED.

STRONGLY AGREE AGREE DISAGREE STRONGLY DISAGREE

129. I AM IN GOOD SPIRITS AND CHEERFUL.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

130. I TRUST OTHERS.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

131. THE WORDS OF OTHER PEOPLE CAN BE TRUSTED.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

132. I WOULD HAVE BEEN MORE SUCCESSFUL IF CERTAIN PEOPLE HAD NOT HAD IT IN FOR ME.

VERY TRUE TRUE FALSE VERY FALSE

133. I AM UNHAPPY OR DEPRESSED.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

134. PEOPLE TRY TO TAKE ADVANTAGE OF ME.

TRUE OF MOST TRUE OF MANY TRUE OF SOME TRUE OF FEW

135. I CAN FORGET MY PROBLEMS JUST BY JOINING A PLAYFUL GROUP OF FRIENDS.

ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

136. I HAVE MANY INTERESTS TO KEEP ME BUSY AND OCCUPIED.

VERY TRUE TRUE FALSE VERY FALSE

137. WHEN TALKING WITH OTHERS I DO NOT DISCUSS SEXUAL MATTERS.

VERY TRUE TRUE FALSE VERY FALSE

138. I LOSE MY BALANCE.

ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

139. I AM SO FULL OF PEP THAT I DO NOT SLEEP.

ALMOST EVERY DAY MOST DAYS SOME DAYS ALMOST NEVER

go on to next page

140. I AM SATISFIED WITH MY LIFE.
 VERY MUCH SOMEWHAT VERY LITTLE NOT AT ALL

141. IN MY YOUTH I GOT INTO SCRAPES WITH THE LAW.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

142. IN MY LIFE PEOPLE HAVE TREATED ME FAIRLY.
 ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

143. I HAVE VERY LITTLE OR NO FEAR OF BEING NEAR TO DEEP WATER.
 VERY TRUE TRUE FALSE VERY FALSE

144. AS A YOUNGSTER I BELONGED TO A GROUP OR GANG OF KIDS THAT STUCK TOGETHER.
 ALMOST ALWAYS MOST TIMES SOME TIMES ALMOST NEVER

145. I WORRY ABOUT HURTING OTHER PEOPLE'S FEELINGS.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

146. I THINK I AM MORE SENSITIVE THAN MOST PEOPLE.
 TRUE PROBABLY TRUE PROBABLY FALSE FALSE

147. I ENJOY PLAYING PRACTICAL JOKES.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

148. IT TAKES A LOT OF ARGUMENT TO CONVINCE A PERSON OF THE TRUTH.
 TRUE OF MOST TRUE OF MANY TRUE OF SOME TRUE OF FEW

149. IF GIVEN A CHOICE I WOULD RATHER HAVE JOB SECURITY THAN A HIGH PAYING JOB.
 VERY TRUE TRUE FALSE VERY FALSE

150. I ENJOY MEETING NEW PEOPLE.
 ALMOST NEVER SOME TIMES OFTEN VERY OFTEN

151. I ENJOY READING BOOKS ABOUT HISTORY.
 VERY MUCH SOMEWHAT VERY LITTLE NOT AT ALL

Tell the interviewer you have finished

APPENDIX I

**ASAP Short Term Rehabilitation Workshop Agenda
April 21-23, 1975**

SHORT TERM REHABILITATION (STR) SCHEDULE
CAPITOL PLAZA INN, DENVER, COLORADO
APRIL 21-23, 1975

MONDAY, APRIL 21, 1975

9:00-9:10am	Welcome	Mr. Charles F. Livingston Director, Office of Driver & Pedestrian Programs
9:10-10:35am	Introduction & Objectives of Workshop/History & Description of STR/Need for Random Assign- ment and Design Problems with Evaluation	Dr. James L. Nichols Chief, Driver Programs Branch Dr. & Pedestrian Education Div.
10:30-10:45am	Break	
10:45-11:15	Criteria Measures of Success for STR	Dr. James L. Nichols
11:15-12:00pm	Follow-Up Package Development	Dr. Ellingstad
12:00-1:00pm	Lunch	
1:00-1:30	Potential Success due to Treatment	Dr. Wanberg
1:30-2:00pm	Problems that may arise in Driver's Records Searches	Dr. Malfetti
2:00-2:45pm	Follow-Up Experience in Vermont	Ms. Gitchell
2:45-3:00pm	Coffee Break	
3:00-3:45pm	Follow-Up Experience in Fairfax	Dr. Saunders
3:45-4:30pm	Follow-Up Experience at Brockton Hospital	Dr. Boyatzis

(ALL MONDAY MEETINGS IN TIMBERLINE ROOMS)

4:30-5:00pm

Discussion

5:00-7:00pm

Dinner

7:00-9:00pm

Group A	Interviewing Techniques	Room 511	USD Staff
Group B	Meet with McBer Personnel to Discuss PMT Problems	Room 918	Dr. Boyatzis
Group C	Discuss Specific Major Problems (i.e., random assignment, client confidentiality, follow- up time etc.)	Timberline Room	Dr. Nichols Ms. Weinstein Mr. Butler Dr. Ellingstad

TUESDAY, APRIL 22, 1975

Group A	Follow-Up Activities Follow-Up Interviewers Follow-Up Coordinators	Room 511	USD Staff
Group B	Therapists Discussion Session PMT Therapists	Room 918	Dr. Boyatzis
Group C	Administration/Evaluation/ Coordination Session Rehabilitation Coordinators Evaluators Other Attendees	Timberline Room	Dr. Nichols Ms. Weinstein Mr. Butler Dr. Ellingstad

*SEE LAST THREE PAGES FOR SPECIFIC GROUP SCHEDULING
FOR TUESDAY AND WEDNESDAY SESSIONS

WEDNESDAY, APRIL 23, 1975

9:00-10:30am

Group Sessions

Group A
Group B
Group C

Room 511
Timberline
Timberline

10:30-11:00am

Coffee Break

11:00-12:00pm

Results of Tuesday's Group
Meetings/Discussion

Plenary

Timberline

CHECK OUT PRIOR TO 1:00PM

GROUP A (INTERVIEWER) SCHEDULE

ROOM 511

TUESDAY, APRIL 22, 1975

Follow-Up Workshop Activities

Dr. David Struckman
Dr. Raymond Reis
Dr. Mark Olshan

9:00-9:30am	Mortimer-Filkins Administration and Scoring
9:30-10:00am	Current Status Questionnaire and Personality Adjustment Scales Administration and Scoring
10:00-10:15am	Break
10:15-12:00pm	Records Check Documents
12:00-1:00pm	Lunch
1:00-5:00pm	Interview and Life Activities Inventory Administration and Scoring
5:00-7:00pm	Dinner
7:00-9:00pm	Role Play Administration of Interview and Life Activities Inventory

WEDNESDAY, APRIL 23, 1975

9:00-10:30am	Discussion and Recap of Follow-Up Package
11:00-12:00pm	Planning Session with Groups B and C

GROUP B (THERAPIST) SCHEDULE

ROOMS 911 and TIMBERLINE

TUESDAY, APRIL 22, 1975

9:00am	Meet with Group C to review discussion items	Timberline
9:30am	Meet with Dr. Boyatzis to discuss PMT training and implementation problems	Room 911
10:15am	Break	
10:30am	Individual site meetings to discuss local issues	Rooms to be Assigned
12:00pm	Break for Lunch	
1:00pm	Individual site reports with regard to local problems	Timberline
2:30pm	Break	
2:45pm	Meet with Dr. Boyatzis to discuss PMT issues	Room 911
5:00pm	Dinner	
7:00-9:00pm	Therapist Session	Room 911

WEDNESDAY, APRIL 23, 1975

9:00-10:30am	Meet with Dr. Boyatzis to Review PMT issues	Room 911
11:00-12:00pm	Planning Sessions with Groups A and C	Timberline

GROUP C (COORDINATORS/EVALUATORS)
SCHEDULE

TUESDAY, APRIL 22, 1975

9:00am	Review of Suggested Discussion Items	Timberline
9:30am	Detailed review of Follow-Up Package/ Data System Development	Timberline
10:15am	Break	
10:30am	Individual site meetings to Discuss local issues	Timberline
12:00pm	Break for Lunch	
1:00pm	Individual site reports with regard to local problems	Timberline
2:30pm 2:30pm	Break	
2:45pm	Discussion of major implementation/ evaluation/Client issues	Timberline
5:00pm	Dinner	
7:00-9:00pm	Evaluator Meeting	Timberline

WEDNESDAY, APRIL 23, 1975

9:00-10:30 am	Review of major issues	Timberline
11:00-12:00pm	Planning Sessions with Groups A and B	Timberline

APPENDIX J

ASAP Short Term Rehabilitation Workshop Agenda
February 16-20, 1976

ASAP REHABILITATION WORKSHOP AGENDA
Denver Hilton - Denver, Colorado
February 16-20, 1976

Monday, 2/16/76

7:00 - 9:00 p.m.: Registration (Room 542)

Tuesday, 2/17/76

8:30 - 10:30 a.m.: Registration (Room 542)

9:00 - 10:30 a.m.: General Session

1. Purposes of workshop.
2. General overview of NHTSA rehab efforts. (Denver Room)

10:30 - 10:45 a.m.: Coffee Break

Coordinators

Interviewers

Evaluators

10:45 - 12:00 noon: Discussion of STR Study.
1. Assignment
2. Logistics
3. Caseloads
4. Problems
(Room 542)

Discussion of Interviewer Session Agenda.
1. Purposes of workshop specifically related to interviewers.
2. Input to agenda by interviewers.
3. Modification of agenda if necessary.
(Room 540)

Discussion of STR Study.
1. Evaluation objectives.
2. STR study design (program and project level).
(Room 541)

Continued
Tuesday, 2/17/76

Coordinators

Interviewers

Evaluators

12:00 - 1:30 p.m.: Lunch

1:30 - 3:00 p.m.: Join Interviewers for remainder of Workshop.

General discussion of STR project.
1. STR design.
2. Data flow.
3. Scoring development.
4. Importance of interviewers to STR study - data quality.
(Room 540)

Discussion of LAI instruments.
1. Development of LAI.
2. Current status of instruments.
3. Scoring.
(Room 541)

3:00 - 3:15 p.m.: Coffee Break

3:15 - 5:00 p.m.

Discussion of LAI Section III - Interview.
1. Purpose of interview.
2. Item by item discussion.
a. Identification of problem areas by HFL.
b. Questions from sites.
(Room 540)

STR data base.
1. STR data base characteristics.
2. Exchange and retrieval of data.
3. Interaction between project and program level evaluation of STR study.
(Room 541)

5:00 - 6:00 p.m. Individual site reports (New Hampshire, Oklahoma)
(Room 917/918)

Wednesday, 2/18/76

Coordinators and Interviewers

Evaluators

- 9:00 - 10:30 a.m.: Discussion of LAI Sections II and IV - Questionnaires and Records Check.
1. General discussion of questionnaires.
 - a. Purpose of questionnaire.
 - b. Identification of problem areas by HFL.
 - c. Questions from sites.
 2. General discussion of records check.
 - a. Purpose of records checks
 - b. Area by area discussion of records check--identification of problems by HFL and questions from sites.
 - (1) Index arrest.
 - (2) STR assignments.
 - (3) Traffic offenses.
 - (4) Non-traffic offenses.
 - (5) Accidents.
- (Room 540)

- Status of project and program level evaluation of ASAP Diagnosis/Referral/Rehab Systems.
1. Project analytic studies.
 2. Program level analyses.
 - a. Summary of project reports.
 - b. Appendix H data (including Table 15).
 - c. Client file data.
- (Room 541)

10:30 - 10:45 a.m.: Coffee Break

- 10:45 - 12:00 noon: Discussion of MIS Reports.
1. Follow-up progress report.
 2. Modality status report.
 3. Data quality report (to be introduced at workshop).
- (Room 540)

Discussion of current Analytic Study 5 and 6 Guidelines.
(Room 541)

12:00 - 1:30 p.m.: Lunch

Continued
Wednesday, 2/18/76

Coordinators and Interviewers

Evaluators

1:30 - 3:00 p.m.: Discussion of non-MIS reports and assignment procedures.
1. 60-day modality status report.
2. Follow-up schedule.
3. Cross reference list.
4. Assignment procedures.
a. Prescreening.
b. Acceptable time frame for interview.
c. When cases should and should not be dropped.
(Room 540)

Discussion of Analytic Study 5 issues.
(Room 541)

3:00 - 3:15 p.m.: Coffee Break

3:15 - 5:00 p.m.: Discussion of site error report.
1. Format of report.
2. Explanation of each error message and causes of each.
3. Procedure for correction of errors.
(Room 540)

Discussion of Analytic Study 6 issues.
(Room 541)

5:00 - 6:00 p.m.: Individual site reports (Florida, Arizona)
(Room 917/918)

Thursday, 2/19/76

9:00 - 10:45 a.m.: Individual site reports (Colorado, Virginia)
(Room 917/918)

Privacy Act (New Hampshire, Arizona, Oklahoma, Texas, Missouri)
(Room 541)

10:45 - 11:00 a.m.: Coffee Break

11:00 - 12:45 p.m.: Individual site reports (Texas, Missouri)
(Room 917/918)

Privacy Act (Colorado, Virginia, Louisiana, Arizona, Florida)
(Room 541)

12:45 - 2:00 p.m.: Lunch

Coordinators and Interviewers

Evaluators

2:00 - 3:30 p.m. Discussion of site specific problems
with all sites present/Final dis-
cussion of report issues.
(Room 540)

Development of recommended guidelines
for Analytic Study 5.
(Room 541)

3:30 - 3:45 p.m.: Coffee Break

3:45 - 5:15 p.m.: Discussion of site specific problems
with all sites present/Wrap-up of
report issues.
(Room 540)

Development of recommended guidelines
for Analytic Study 6
(Room 541)

5:15 - 6:15 p.m.: Individual site report (Louisiana)
(Room 517/518)

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