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**Evaluation of the Effects of Assessment and  
Treatment of Substance Abuse on  
DWI Recidivism in North Carolina**

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## **Evaluation of the Effects of Assessment and Treatment of Substance Abuse on DWI Recidivism in North Carolina**

### **1.1 Introduction**

In North Carolina during 1988 there were 15,301 alcohol-related motor vehicle crashes involving 34,654 people (DWI Factbook,1990). Four hundred sixteen were killed in these crashes and an additional 3882 were seriously injured. During this same year, 76,563 people or approximately two out of every hundred licensed drivers were arrested for DWI in North Carolina. Thirty-two percent of those arrested in 1988 had been previously arrested for DWI. Recognizing that substance abuse is a very costly problem which affects the health, welfare and productivity of its citizens, the North Carolina legislature moved to take further positive steps to deal with this problem. On January 1, 1990 substance abuse assessment became mandatory for anyone convicted of DWI in North Carolina.

### **1.2 Background**

Studies of education and DWI rehabilitation type programs suggest that offenders identified as having few problems/social drinkers are more likely to benefit from short-term educational formats (Nichols, 1982, Foon, 1988, Mann et al., 1988) such as that provided by North Carolina's Alcohol and Drug Education Traffic Schools (ADETS). Frequently, first-time DWI offenders are considered social drinkers and ordered to an educational type of treatment. Unfortunately, many first time offenders are more than social drinkers. For example, Popkin (1989) reported the results of a pilot study in which all persons convicted of DWI received a substance abuse assessment (using the SALCE instrument). Sixty-six percent of first time offenders and 98% of multiple offenders were identified as having some substance abuse handicap. Other research also indicates that a single DWI conviction can be indicative of alcoholism (Selzer, 1969), suggesting that early

assessment could better identify those with a handicap; and treatment when effective, would result in a lowered rate of recidivism among first offenders.

The large proportion of those arrested who have drinking problems and the very high recidivism rate of this population as a whole have led to a growing trend in this country to require that persons convicted of DWI be assessed to determine whether or not they have a substance abuse problem. Treatment is encouraged, and, in some states, required before relicensure.

Remediation (education, counseling, and treatment) of those arrested and convicted of DWI began in North Carolina on January 1, 1980 when legislation was enacted which provided for the creation of a statewide system of alcohol and drug education traffic schools (ADETS). These schools provide a 10-13 hour educational course for those convicted of DWI in North Carolina. This was the State's first specific positive intervention made available to DWI convictees.

At that time, ADETS attendance was a condition for the granting of a limited driving privilege. Upon completion of ADETS, the offender received a six-month reduction of the twelve-month driver license revocation. Thus, ADETS became a very popular condition of suspended sentences because many convictees wanted to receive early license reinstatement.

During the early 80's, approximately 35,000 DWI offenders were referred to ADETS each year. Most offenders attending the schools paid \$100 for participation in the program. An evaluation component to the program was proscribed by the legislature. This evaluation was conducted by the Highway Safety Research Center (Popkin, et al., 1983) and indicated that those persons attending ADETS when compared to a group of first time DWI offenders not attending ADETS had a higher DWI recidivism rate. The researchers attributed the increased risk of the ADETS attendee group to the fact that the limited driving privilege was granted and the license sanctions normally imposed on those convicted of DWI were lessened (incapacitation reduced-- see definitions Appendix 1) and concluded that the specific deterrent effectiveness of the licensing sanctions was greater than that of school attendance. In addition, they reported that many of those sent to ADETS were not

first time offenders or social drinkers. The report concluded with the suggestion that there be no licensing benefits granted to those who attend ADETS and that those who appeared to have more serious drinking problems be assessed and referred to appropriate treatment rather than sent to ADETS.

In 1983, the State of North Carolina passed the Safe Roads Act (SRA) which included several DWI substance abuse assessment provisions for certain offenders. This law went into effect on October 1, 1983. As part of the SRA, mandatory substance abuse assessment was imposed on anyone having multiple DWI offenses within a five-year period and also on those who had a BAC level in excess of .20. The bill permitted both community mental health centers and private practitioners to make substance abuse assessments.

Beginning in January of 1988, Senate Bill 508 mandated substance abuse assessment for a larger proportion of North Carolina's 67,000 DWI offenders convicted in 1988. It made substance abuse assessment mandatory for persons refusing the chemical test; having a BAC in excess of .14; or having multiple DWIs within a five year period and a BAC of .10 or greater at the time of the current arrest.

This same bill enabled the implementation of a ten-county pilot program to consider the feasibility of mandating substance abuse assessment for every person convicted of impaired driving and placed on supervised or unsupervised probation in North Carolina. This revision in the law also required offenders to follow through with the court imposed sanctions as a condition of driver's license reinstatement.

An evaluation by the HSRC (Popkin et al, 1988) of these implemented legislated changes indicated that the changes had a positive effect in that those assigned to ADETS were slightly less likely to recidivate.

### **1.3 Current Status of Assessment in North Carolina**

Effective January 1, 1990, legislation which enabled the pilot study was expanded to the entire state and directed all persons convicted of impaired driving to obtain a substance abuse assessment regardless of alcohol concentration, prior

offenses, or probationary status. Even those offenders convicted and receiving active time were required to obtain an assessment.

This legislation also permits changes in the number of hours required for the completion of ADETS as long as the change includes five or more hours of course attendance and as long as any changes in the length of the course curriculum are approved by the Commission for Mental Health, Developmental Disabilities and Substance Abuse Services. Furthermore, defendants may now choose to meet the requirements of their sentence in any county in the state.

The area mental health center and its contract agency may require the defendant to pay the fees prescribed by law for the services before they certify that the defendant has completed the recommended treatment or educational program. This law also provides the defendant with due process, i.e., a defendant may, within 90 days after an assessment or treatment agency decision to decline to certify that the defendant has completed the assessment or treatment, file a motion to request a judicial review of this decision. The agency whose decision is being reviewed must be notified at least ten days prior to any hearing to review its decision.

If the judge determines that the defendant has obtained an assessment, has completed the treatment, or has made an effort to do so that is reasonable under the circumstances, he may order that the agency send a certificate of completion to the Division of Motor Vehicles.

This legislation also provided that ADETS programs no longer had to report 90-day failures. However, those required to attend and complete ADETS are not relicensed by the Division of Motor Vehicles until a DMH 508 Form certifying completion is received and until the impaired driving license revocation period has expired.

The present fee structure is such that convictees pay a fee of \$125 -- \$50 to the assessing agency for the assessment and the remaining \$75 either to the ADETS program or to apply towards any required treatment.

The records of assessment and treatment information are protected by federal confidentiality regulations. These regulations apply to the DMH 508 form.

Information on this form may not be disclosed without the written consent of the person to whom it pertains.

#### Pre-trial/Post-Trial Assessment Guidelines

North Carolina permits pretrial assessment. In many cases, this pretrial assessment is used as a mitigating factor in determining level of guilt. As the law now reads, offenders are given 30 days from their conviction to schedule their assessment. (This is apparently not enforced.) They do not have to obtain assessment in that time period, but failure to schedule an assessment constitutes grounds for noncompliance, and the defendant could be returned to the court on a show cause order.

When offenders have received more than one DWI conviction in a relatively short period of time, minimally they must obtain and pay for an assessment for each conviction if the court ordered it as a condition of a suspended sentence. Agencies have no discretion in this area with the exception of multiple cases tried on the same day. (The judge by referencing docket number, may order one docket number on the different judgments.)

The general statute allows for the defendant's voluntary submission to an area authority for an assessment after he was charged with the impaired driving offense for which he is being sentenced; and, if recommended by the facility, his voluntary participation in the recommended treatment. This pre-trial assessment may be considered as a mitigating factor in the trial. Because pre-trial assessment results are only recommendations, the judge may make the decision to accept, reject, or modify them. If a judge fails to accept or modifies a pre-trial recommendation and the offender returns to the assessing agency to receive services that are ordered, the certificate of completion (DMH 508 form) must reflect the services ordered and recorded on the AOC 310 form. The offender, in turn, must complete those requirements ordered by the judge. Until all court ordered services are completed and duly recorded, a driver's license can not be reinstated.

At the present time, assessing agencies must hold the pre-trial DMH 508



forms for one year. These forms then can be submitted to the DWI Criminal Justice branch office. If an offender is not given credit for the pre-trial assessment and the judge then orders an assessment as a result of the conviction, the pre-trial results are not to be used to meet the requirement. Another assessment must be conducted post trial and a new DMH 508 form initiated.

## II. Evaluation

### 2.1 The Scope of this Evaluation

Two entire years have passed since the enactment of SB 508, providing a sufficient amount of time for an initial evaluation of North Carolina's response to the bill. This study reviews the implementation of law changes effective in 1988 as revealed by the 508 Form. Herein also lies a first look at driving behavior incorporating the information collected on the form.

No attempt is made here to address data quality because most data quality checks are made at the DWI and Criminal Justice Branch of the Substance Abuse Section of DHR where all 508 Forms are initially sent. Personnel at this agency monitor the completeness of the recorded information. In those cases where numbers are illegible the providers are called, but when a required signature is missing, the form is returned to the provider for completion. Less than one percent of the 508 Forms are returned.

DMV is responsible for full license reinstatement. When DMV was notified via the 310 Form that a convictee was required by the court to have an assessment, an 'SAA&TE Required' trailer was added to the convictee's driver history record. In these cases, the license can then not be reinstated until an 'SAA&TE Completed' trailer is added to the record (generated when the 508 Form is received). The actual information recorded on the 508 Form is found on a separate 'SAA&TE Stat' trailer. Therefore, if a convictee was not assigned by the court to assessment, DMV did not require an assessment before relicensure. Thus, not everyone eligible to receive the service was actually assessed. In some cases, an individual was apparently assessed(completion trailer present), but the actual assessment information(stat trailer) is missing. Many factors have complicated this examination.

The remediation process begins with DWI conviction. Through examination of the driver history file on record as of November 1990, this report examines eligibility for, assignment to, and the results of assessment.

One component of this evaluation is an analysis of the information

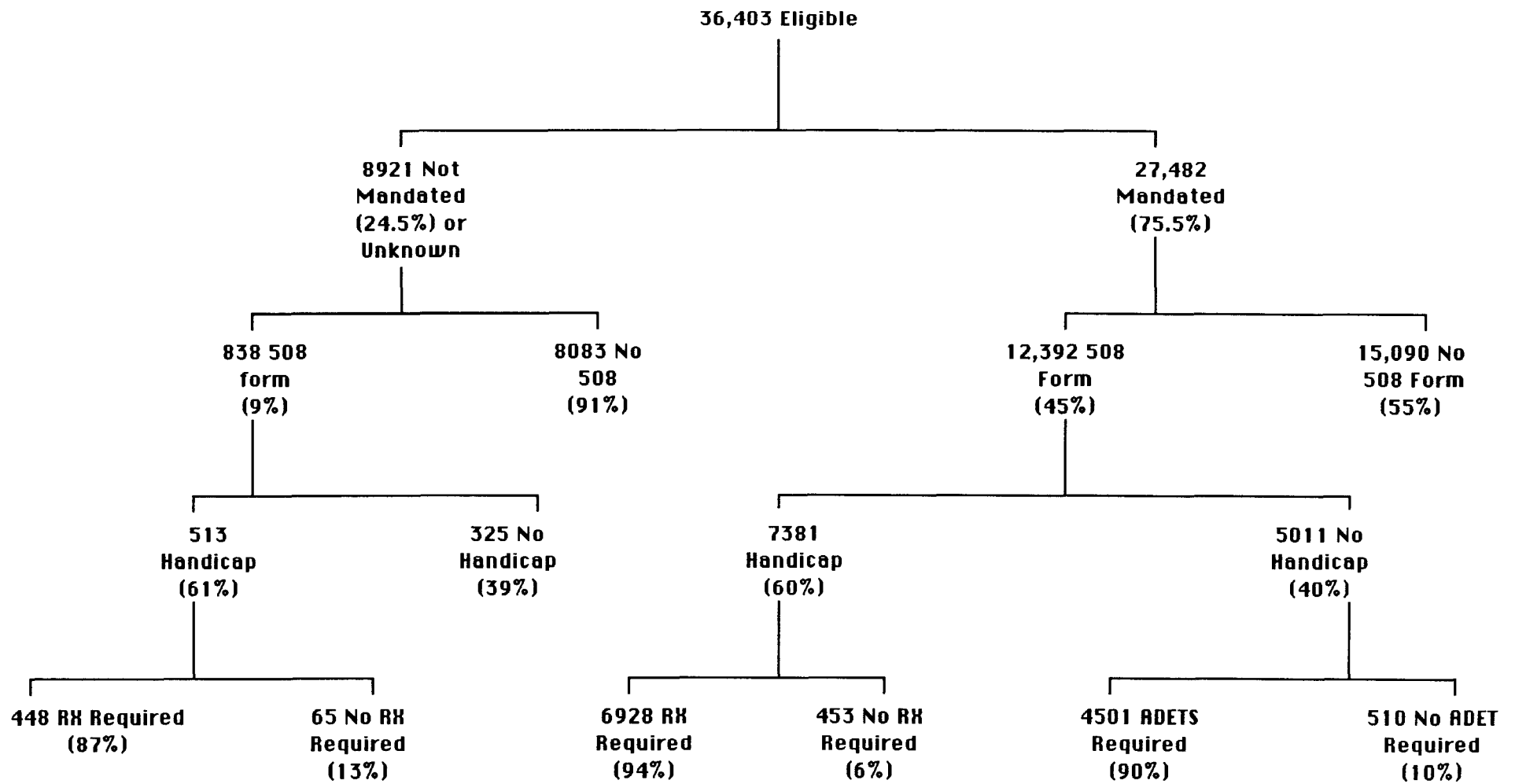
contained on the 508 Forms that have been recorded on the driver history file. Of interest are the time lag between conviction (i.e., assignment to assessment) and receipt of the 508 Form by DMV (i.e., availability of assessment feedback to the system). Some deviations from the tracking protocol are revealed. For example, not all individuals with a handicap identified by the assessor are actually being referred to treatment. A large proportion of required 508 Forms are not present on the driver history file. It is not possible to determine, given current information, why these forms are absent. This report examines in some detail these informational gaps and categorizes the assessment information that is available.

The second component of this evaluation is a review of cases of those convicted of DWI during 1988 to determine the extent to which those eligible were mandated in both pilot and non pilot counties and, contingent upon total compliance, i.e., receipt of 508 Form, the extent to which those mandated were assessed. Pretrial assessments, judicial noncompliance and offender noncompliance issues are considered. This should provide useful information to the Administrative Offices of the Courts (AOC) and local assessment and treatment agencies as well as to DHR.

The third component of this evaluation focuses on those people convicted of first time DWI in the ten pilot counties and evaluates their DWI recidivism as measured in terms of subsequent DWI arrests during three month intervals for thirty months. This information should provide the state level program as well as local assessors and treatment providers with valuable information.

#### **A. Process Evaluation of the 508 Form.**

Figure 1 depicts assessment eligibility of those convicted of DWI in North Carolina during 1988. As the figure shows, 36,403 people were eligible for a substance abuse assessment because they met the criteria identified in the Safe Roads Act requiring substance abuse assessment for those presenting more serious indicators of problem drinking or for those who were convicted of DWI in the 10 pilot counties. Seventy-six percent of those eligible were assigned to assessment. Of these, 45% had a 508 Form on file with DMV. Of the 12,392 eligible, mandated and



**Figure 1. Assignment to Assessment and Assessment Status of those Eligible 1988 DWI Convictees.**

assessed (508 Form at DMV), 7381 or 60% were found to have a substance abuse handicap. Of these 94% were required to have treatment.

Of those 40% for whom no handicap was identified (n=5011), 4,501 or 90% were required to attend ADETS. Figure 1 also shows that 9% or 838 of those eligible and not mandated had a 508 Form at DMV. Sixty-one percent of these were found to have a handicap. In this group, 87% had treatment required.

The length of time from conviction in 1988 until a completed 508 Form was received by DMV was examined in the pilot counties and is shown in Table 1. For those called first time offenders by DMV and thus eligible to be relicensed at the end of one year upon completion of terms of probation, 6,876 people had a completed 508 Form with DMV by November of 1990. The mean time from conviction to receipt by DMV excluding those who had a pretrial assessment, was 140 days for ADETS and 271 days for treatment. The corresponding mean number of days for those with a second or more DWI offense was 134 days for ADETS (note: small number of cases) and 189 days for treatment.

In order to identify possible problems with the processing of assessment forms and accompanying procedures, a sample of 102 cases was drawn from those cases eligible for an assessment for whom no 508 Form was received. The driver history records of these cases were examined in order to gain a better understanding of the reasons for non-receipt. Other pertinent information available is characterized as follows:

Out of state licensee*	14
In state address (out of state licensee*)	4
Not eligible for relicense	39
SAA Complete and Case Cleared (not required)	8
Complete but ineligible due to other offense	3
SAA Required but not completed	30
Assigned to A & D School	3
A & D School complete	1

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\* Out-of-state drivers and out-of-state convictions are not included in our other analyses.

This sample of cases helped us to better categorize the makeup of those missing 508 Forms. The largest two groups were not eligible for relicensure because they were charged with a second or third DWI offense. These groups probably have no 'real' inducement to complete assessment and treatment until they are eligible to apply for relicensure. The other large group (SAA required but not complete) is shown later to be at high risk group for another DWI offense. The reason that they do not complete assessment and any required treatment is unknown.

**Table 1. DWI Convictees in Pilot Counties- 1988 & 1989, Mandated to Assessment, Time\* to Completion of 508 Form.**

	TOTAL	508 FORMS	PRETRIAL	ADETS	TREATMENT		
	ELIG	RECEIVED	RECEIVED	POST	DAYS	POST	DAYS
ALL	8,529	8,529	2,256	2,438	143	3,942	275
DWI #							
UNKNOWN	852	852	143	267	167	456	281
FIRST	6,876	6,876	1,957	2,145	140	2,858	271
SECOND+	801	801	156	26	134	628	289

\* Mean Days to Completion of ADETS or treatment is calculated using only post-trial assessments.

#### **B. Review of Assessment/ADETS Procedures Statewide.**

Using 1988 DMV driver history data, an examination was made of assignment to assessment for those convicted of DWI in North Carolina. Specifically, those people eligible according to North Carolina statutes to receive a substance abuse assessment were examined to find out how many of them were actually assigned to receive an assessment; and, of those assigned, how many had completed 508 Forms. Table 2 shows for the state and by county, the number of 1988

Table 2. 1988 DWI convictees eligible for assessment, court assignment and receipt of Form 508.

	PEOPLE ELIG	% MAN- DATED	FORM 508 RECEIVED			PEOPLE ELIG	% MAN- DATED	FORM 508 RECEIVED			PEOPLE ELIG	% MAN- DATED	FORM 508 RECEIVED	
			NO	YES				NO	YES				NO	YES
JAIL:					COUNTY					COUNTY				
NO/UNKNOWN	20,253	75.4	11,964	8,289	CABARRUS	974	64.2	588	386	DAVIE	122	70.5	87	35
ACTIVE TIME	16,150	75.7	11,209	4,941	CALDWELL	331	88.8	176	155	DUPLIN	292	68.2	180	112
STATEWIDE	36,403	75.5	23,173	13,230	CAMDEN	18	77.8	11	7	DURHAM	1,174	64.7	889	285
COUNTY					CARTERET	332	69.6	221	111	EDGECOMBE	421	79.8	283	138
ALAMANCE	1,041	84.1	495	546	CASWELL	107	46.7	78	29	FORSYTH	1,821	86.2	1,210	611
ALEXANDER	137	77.4	71	66	CATAWBA	623	85.7	365	258	FRANKLIN	155	81.9	85	70
ALLEGHANY	54	81.5	31	23	CHATHAM	176	75.0	101	75	GASTON	753	64.7	607	146
ANSON	167	62.9	134	33	CHEROKEE	74	81.1	45	29	GATES	36	75.0	18	18
ASHE	63	73.0	44	19	CHOWAN	29	72.4	21	8	GRAHAM	47	78.7	34	13
AVERY	64	73.4	47	17	CLAY	32	75.0	26	6	GRANVILLE	125	76.8	73	52
BEAUFORT	281	86.8	153	128	CLEVELAND	425	79.8	293	132	GREENE	66	86.4	38	28
BERTIE	123	95.1	51	72	COLUMBUS	234	78.6	126	108	GUILFORD	1,456	80.3	844	612
BLADEN	185	89.2	92	93	CRAVEN	429	82.8	268	161	HALIFAX	293	89.4	167	126
BRUNSWICK	263	84.8	196	67	CUMBERLAND	951	75.4	661	290	HARNETT	518	72.6	348	170
BUNCOMBE	1,264	79.9	562	702	CURRITUCK	69	52.2	43	26	HAYWOOD	254	81.5	134	120
BURKE	390	85.9	220	170	DARE	200	72.5	114	86	HENDERSON	289	83.4	174	115
					DAVIDSON	503	77.7	292	211	HERTFORD	142	93.0	79	63

Table 2. 1988 DWI convictees eligible for assessment, court assignment and receipt of Form 508.

COUNTY	PEOPLE ELIG	% MAN- DATED	FORM 508 RECEIVED	
			NO	YES
HOKE	264	76.9	201	63
HYDE	22	90.9	9	13
IREDELL	819	78.6	499	320
JACKSON	83	77.1	43	40
JOHNSTON	470	77.0	293	177
JONES	34	61.8	24	10
LEE	257	83.7	179	78
LENOIR	414	75.1	286	128
LINCOLN	235	81.3	147	88
MC DOWELL	116	62.1	66	50
MACON	49	71.4	34	15
MADISON	150	91.3	57	93
MARTIN	127	81.1	67	60
MECKLENBURG	1,654	82.8	1,133	521
MITCHELL	51	76.5	29	22
MONTGOMERY	157	70.1	122	35
MOORE	302	56.6	240	62
NASH	485	81.0	324	161

COUNTY	PEOPLE ELIG	% MAN- DATED	FORM 508 RECEIVED	
			NO	YES
NEW HANOVER	1,004	54.3	884	120
NORTHAMPTON	129	82.9	69	60
ONslow	747	67.9	445	302
ORANGE	315	74.9	203	112
PAMLICO	53	86.8	28	25
PASQUOTANK	89	60.7	64	25
PENDER	235	62.1	168	67
PERQUIMANS	29	48.3	21	8
PERSON	125	82.4	87	38
PITT	663	74.7	500	163
POLK	76	75.0	57	19
RANDOLPH	375	72.3	222	153
RICHMOND	280	69.3	209	71
ROBESON	661	82.9	420	241
ROCKINGHAM	417	32.4	334	83
ROWAN	875	67.8	503	372
RUTHERFORD	335	80.3	198	137
SAMPSON	234	63.7	152	82

COUNTY	PEOPLE ELIG	% MAN- DATED	FORM 508 RECEIVED	
			NO	YES
SCOTLAND	221	80.5	150	71
STANLY	204	65.7	113	91
STOKES	150	53.3	110	40
SURRY	324	77.5	172	152
SWAIN	97	58.8	72	25
TRANSYLVANIA	66	74.2	41	25
TYRRELL	31	83.9	14	17
UNION	338	61.8	251	87
VANCE	216	79.2	130	86
WAKE	3,115	75.7	1,911	1,204
WARREN	89	78.7	57	32
WASHINGTON	30	83.3	19	11
WATAUGA	155	72.3	85	70
WAYNE	570	77.5	324	246
WILKES	374	76.7	250	124
WILSON	424	81.8	283	141
YADKIN	119	68.9	77	42
YANCEY	46	76.1	22	24



DWI convictees eligible for an assessment, court assignment to assessment and receipt of DMV Form 508. Of the 36,403 who were eligible to be assessed, 27,482 were mandated by the courts to have an assessment. Of those eligible for an assessment, 13,230 or 36% had a completed 508 Form at DMV.

Table 2a presents the same information as that provided on Table 2 but considers only those in pilot counties. In the pilot counties, 75% of those eligible were assessed in 1988. Thirty-nine percent of those eligible for an assessment in the pilot counties had a 508 Form recorded on the driver history file.

Table 3 presents data from the 12,392 508 Forms received for those assigned to assessment. It is notable that 15.8% who had a handicap identified had a pretrial assessment as contrasted with 20.7% of those for whom no handicap was identified. For those with a handicap identified, 94% had treatment recommended by the assessor and 32% had ADETS recommended. For the group with no handicap identified, 1% was recommended into treatment. Ninety percent of this group was sent to ADETS.

Table 3a presents the same information as that presented in Table 3 but only for the pilot counties. It shows that 2693 or 63 % had a handicap identified in the pilot counties. Seventeen percent of those with a handicap identified had a pretrial assessment as contrasted with 28% of those with no handicap identified. Ninety-eight percent of those with a handicap identified were recommended for treatment. Ninety-six percent of those found to have no handicap were sent to ADETS.

Table 4 and table 4a present data available from the 508 Forms received for those people not mandated (or unknown) to assessment statewide and for pilot counties. For those 838 who were not mandated or it was unknown if they had been mandated to assessment, 61% had a handicap identified. Of those identified as having a handicap, 87% were recommended into treatment by the assessor. As presented on Table 4a, 96% of those for whom a handicap was identified were sent to treatment.

Figure 2 shows the percentages with handicaps identified pre and post trial from all the 508 Forms received for eligible convictees regardless of assignment

Table 2 a. 1988 Pilot County DWI convictees eligible for assessment,  
court assignment and receipt of Form 508.

	PEOPLE ELIG	MAN- DATED	FORM 508 RECEIVED	
			NO	YES
JAIL:				
NO/UNKNOWN	7,725	75.7	4,373	3,352
ACTIVE TIME	3,993	74.1	2,771	1,222
TOTAL PILOT	11,718	75.2	7,144	4,574
COUNTY				
ALAMANCE	1,041	84.1	495	546
BUNCOMBE	1,264	79.9	562	702
CABARRUS	974	64.2	588	386
FORSYTH	1,821	86.2	1,210	611
IREDELL	819	78.6	499	320
NEW HANOVER	1,004	54.3	884	120
PENDER	235	62.1	168	67
ROWAN	875	67.8	503	372
WAKE	3,115	75.7	1,911	1,204
WAYNE	570	77.5	324	246

Table 3. 1988 DWI convictees eligible for assessment.  
Only those with Form 508 received and assessment mandated.

		HANDICAP IDENTIFIED					NO HANDICAP IDENTIFIED				
TOTAL FORMS 508 RECVD	ALL			ASSESSOR RECOMMENDED		ALL			ASSESSOR RECOMMENDED		
		% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %		% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %	
JAIL:											
NO/UNKNOWN	7770	3649	19.1	80.9	93.0	43.2	4121	22.4	77.6	0.8	95.4
ACTIVE TIME	4622	3732	12.5	87.5	94.7	21.2	890	12.9	87.1	1.6	63.8
STATEWIDE	12392	7381	15.8	84.2	93.9	32.1	5011	20.7	79.3	1.0	89.8
COUNTY											
ALAMANCE	533	242	23.6	76.4	97.5	2.9	291	34.0	66.0	1.4	96.2
ALEXANDER	62	39	17.9	82.1	87.2	74.4	23	30.4	69.6	0	91.3
ALLEGHANY	20	9	33.3	66.7	88.9	33.3	11	72.7	27.3	0	100.0
ANSON	31	24	4.2	95.8	100.0	25.0	7	28.6	71.4	0	100.0
ASHE	16	7	28.6	71.4	100.0	71.4	9	55.6	44.4	0	88.9
AVERY	17	5	20.0	80.0	80.0	20.0	12	16.7	83.3	0	66.7
BEAUFORT	124	94	13.8	86.2	96.8	74.5	30	10.0	90.0	0	100.0
BERTIE	72	11	27.3	72.7	90.9	36.4	61	6.6	93.4	1.6	45.9
BLADEN	86	58	1.7	98.3	94.8	44.8	28	3.6	96.4	0	85.7
BRUNSWICK	65	50	10.0	90.0	90.0	70.0	15	0	100.0	0	93.3
BUNCOMBE	669	557	16.0	84.0	98.9	1.8	112	21.4	78.6	0.9	87.5
BURKE	164	82	19.5	80.5	82.9	54.9	82	34.1	65.9	0	91.5
CABARRUS	316	213	14.6	85.4	97.2	3.8	103	17.5	82.5	3.9	95.1
CALDWELL	147	64	17.2	82.8	85.9	43.8	83	10.8	89.2	0	94.0
CAMDEN	7	4	50.0	50.0	100.0	100.0	3	0	100.0	0	100.0
CARTERET	101	33	36.4	63.6	81.8	54.5	68	16.2	83.8	0	91.2
CASWELL	25	9	0	100.0	100.0	11.1	16	18.8	81.3	6.3	87.5
CATAWBA	243	182	19.8	80.2	98.4	60.4	61	19.7	80.3	0	96.7
CHATHAM	68	31	22.6	77.4	90.3	58.1	37	5.4	94.6	0	91.9

		HANDICAP IDENTIFIED					NO HANDICAP IDENTIFIED				
TOTAL FORMS 508 RECVD	ALL			ASSESSOR RECOMMENDED		ALL			ASSESSOR RECOMMENDED		
		% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %		% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %	
CHEROKEE	26	20	0	100.0	100.0	55.0	6	0	100.0	0	83.3
CHOWAN	8	3	0	100.0	100.0	100.0	5	20.0	80.0	0	100.0
CLAY	5	3	0	100.0	100.0	100.0	2	0	100.0	0	100.0
CLEVELAND	128	65	15.4	84.6	96.9	46.2	63	19.0	81.0	1.6	84.1
COLUMBUS	102	55	0	100.0	94.5	43.6	47	2.1	97.9	0	87.2
CRAVEN	156	94	9.6	90.4	93.6	42.6	62	6.5	93.5	1.6	90.3
CUMBERLAND	276	55	25.5	74.5	61.8	70.9	221	17.2	82.8	0	92.3
CURRITUCK	15	3	33.3	66.7	100.0	100.0	12	33.3	66.7	0	100.0
DARE	80	16	25.0	75.0	100.0	87.5	64	50.0	50.0	1.6	95.3
DAVIDSON	199	125	5.6	94.4	97.6	18.4	74	16.2	83.8	2.7	86.5
DAVIE	32	23	8.7	91.3	95.7	13.0	9	0	100.0	11.1	100.0
DUPLIN	101	81	1.2	98.8	92.6	61.7	20	0	100.0	0	95.0
DURHAM	257	143	9.1	90.9	91.6	81.1	114	11.4	88.6	0	99.1
EDGECOMBE	129	106	3.8	96.2	97.2	69.8	23	0	100.0	4.3	95.7
FORSYTH	594	320	28.7	71.2	98.1	3.4	274	58.8	41.2	0.4	98.5
FRANKLIN	68	59	6.8	93.2	100.0	88.1	9	0	100.0	11.1	66.7
GASTON	140	64	3.1	96.9	65.6	43.8	76	1.3	98.7	0	88.2
GATES	17	5	20.0	80.0	80.0	80.0	12	8.3	91.7	0	66.7
GRAHAM	12	6	16.7	83.3	100.0	0	6	0	100.0	0	33.3
GRANVILLE	48	27	11.1	88.9	96.3	77.8	21	4.8	95.2	0	95.2
GREENE	27	22	4.5	95.5	100.0	54.5	5	20.0	80.0	0	100.0
GUILFORD	568	442	19.7	80.3	93.0	17.2	126	43.7	56.3	3.2	87.3
HALIFAX	124	60	8.3	91.7	93.3	36.7	64	9.4	90.6	0	67.2
HARNETT	159	87	24.1	75.9	88.5	64.4	72	18.1	81.9	0	86.1
HAYWOOD	114	63	3.2	96.8	96.8	34.9	51	0	100.0	2.0	70.6
HENDERSON	106	66	34.8	65.2	95.5	69.7	40	35.0	65.0	2.5	95.0
HERTFORD	59	16	0	100.0	100.0	31.3	43	9.3	90.7	0	53.5

		HANDICAP IDENTIFIED					NO HANDICAP IDENTIFIED				
TOTAL FORMS 508 RECVD	ALL			ASSESSOR RECOMMENDED		ALL			ASSESSOR RECOMMENDED		
		% PRE	% POST	TRMT	ADETS		% PRE	% POST	TRMT	ADETS	
		TRIAL	TRIAL	%	%		TRIAL	TRIAL	%	%	
HOKE	63	34	8.8	91.2	82.4	61.8	29	3.4	96.6	0	93.1
HYDE	13	10	20.0	80.0	100.0	70.0	3	66.7	33.3	0	100.0
IREDELL	308	188	12.8	87.2	96.3	3.7	120	17.5	82.5	0.8	94.2
JACKSON	33	21	4.8	95.2	100.0	38.1	12	0	100.0	0	66.7
JOHNSTON	171	96	7.3	92.7	93.8	56.3	75	6.7	93.3	0	88.0
JONES	10	5	20.0	80.0	100.0	20.0	5	0	100.0	0	60.0
LEE	75	33	21.2	78.8	97.0	63.6	42	21.4	78.6	0	92.9
LENOIR	123	67	7.5	92.5	92.5	43.3	56	7.1	92.9	0	94.6
LINCOLN	84	31	32.3	67.7	90.3	61.3	53	30.2	69.8	1.9	84.9
MC DOWELL	44	29	13.8	86.2	100.0	37.9	15	20.0	80.0	0	86.7
MACON	14	8	50.0	50.0	87.5	0	6	0	100.0	0	100.0
MADISON	91	58	6.9	93.1	98.3	58.6	33	6.1	93.9	0	87.9
MARTIN	56	33	33.3	66.7	72.7	90.9	23	56.5	43.5	0	100.0
MECKLENBURG	503	261	23.4	76.6	90.4	50.2	242	24.0	76.0	0.8	95.9
MITCHELL	20	11	9.1	90.9	81.8	27.3	9	22.2	77.8	0	100.0
MONTGOMERY	35	14	7.1	92.9	100.0	14.3	21	0	100.0	0	90.5
MOORE	56	31	16.1	83.9	83.9	35.5	25	24.0	76.0	0	88.0
NASH	155	116	3.4	96.6	94.8	57.8	39	2.6	97.4	0	97.4
NEW HANOVER	114	75	6.7	93.3	98.7	24.0	39	7.7	92.3	0	89.7
NORTHAMPTON	59	19	0	100.0	84.2	10.5	40	2.5	97.5	0	75.0
ONslow	270	102	61.8	38.2	51.0	42.2	168	22.6	77.4	3.0	73.8
ORANGE	104	47	25.5	74.5	91.5	42.6	57	17.5	82.5	0	84.2
PAMLICO	24	16	6.3	93.8	100.0	18.8	8	12.5	87.5	0	100.0
PASQUOTANK	25	14	14.3	85.7	100.0	92.9	11	9.1	90.9	18.2	100.0
PENDER	60	53	1.9	98.1	96.2	7.5	7	0	100.0	0	85.7
PERQUIMANS	8	2	0	100.0	50.0	50.0	6	50.0	50.0	0	100.0
PERSON	38	15	0	100.0	100.0	86.7	23	8.7	91.3	0	100.0

	TOTAL FORMS 508 RECVD	HANDICAP IDENTIFIED						NO HANDICAP IDENTIFIED					
					ASSESSOR RECOMMENDED						ASSESSOR RECOMMENDED		
		ALL	% PRE	% POST	TRMT	ADETS		ALL	% PRE	% POST	TRMT	ADETS	
			TRIAL	TRIAL	%	%			TRIAL	TRIAL	%	%	
PITT	145	68	26.5	73.5	92.6	47.1		77	29.9	70.1	1.3	88.3	
POLK	18	5	40.0	60.0	100.0	40.0		13	15.4	84.6	0	100.0	
RANDOLPH	149	91	7.7	92.3	96.7	36.3		58	3.4	96.6	3.4	69.0	
RICHMOND	64	35	14.3	85.7	100.0	28.6		29	13.8	86.2	6.9	86.2	
ROBESON	228	177	1.7	98.3	83.1	28.8		51	0	100.0	0	74.5	
ROCKINGHAM	62	26	11.5	88.5	96.2	30.8		36	8.3	91.7	2.8	77.8	
ROWAN	309	183	11.5	88.5	98.9	2.7		126	14.3	85.7	0	98.4	
RUTHERFORD	133	73	20.5	79.5	98.6	76.7		60	31.7	68.3	0	91.7	
SAMPSON	78	46	2.2	97.8	97.8	54.3		32	3.1	96.9	0	90.6	
SCOTLAND	66	54	3.7	96.3	96.3	18.5		12	0	100.0	0	50.0	
STANLY	80	47	4.3	95.7	91.5	31.9		33	0	100.0	0	72.7	
STOKES	33	16	6.3	93.8	87.5	43.8		17	0	100.0	0	88.2	
SURRY	144	90	7.8	92.2	88.9	38.9		54	9.3	90.7	1.9	77.8	
SWAIN	20	14	0	100.0	100.0	64.3		6	0	100.0	0	50.0	
TRANSYLVANIA	24	22	31.8	68.2	90.9	50.0		2	100.0	0	0	100.0	
TYRRELL	17	13	0	100.0	92.3	53.8		4	25.0	75.0	0	100.0	
UNION	79	66	9.1	90.9	100.0	36.4		13	7.7	92.3	0	84.6	
VANCE	83	69	0	100.0	100.0	84.1		14	7.1	92.9	0	92.9	
WAKE	1139	704	15.9	84.1	96.9	3.8		435	20.7	79.3	0.5	97.9	
WARREN	32	23	0	100.0	95.7	91.3		9	0	100.0	0	100.0	
WASHINGTON	11	10	10.0	90.0	100.0	70.0		1	0	100.0	100.0	100.0	
WATAUGA	65	39	51.3	48.7	71.8	69.2		26	76.9	23.1	3.8	96.2	
WAYNE	232	158	10.1	89.9	100.0	2.5		74	12.2	87.8	1.4	95.9	
WILKES	111	81	50.6	49.4	95.1	34.6		30	46.7	53.3	0	93.3	
WILSON	137	93	9.7	90.3	97.8	59.1		44	9.1	90.9	0	90.9	
YADKIN	39	30	53.3	46.7	96.7	23.3		9	44.4	55.6	0	100.0	
YANCEY	22	16	37.5	62.5	93.8	37.5		6	16.7	83.3	0	83.3	

Table 3<sup>a</sup> 1988 Pilot County DWI convictees eligible for assessment.  
Only those with Form 508 received and assessment mandated.

	TOTAL FORMS 508 RECVD	HANDICAP IDENTIFIED					NO HANDICAP IDENTIFIED				
		ALL			ASSESSOR RECOMMENDED		ALL			ASSESSOR RECOMMENDED	
			% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %		% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %
JAIL:											
NO/UNKNOWN	3147	1641	20.0	80.0	97.9	4.9	1506	28.2	71.8	0.9	97.2
ACTIVE TIME	1127	1052	11.3	88.7	97.8	2.0	75	25.3	74.7	1.3	76.0
TOTAL PILOT	4274	2693	16.6	83.4	97.8	3.8	1581	28.0	72.0	0.9	96.2
COUNTY											
ALAMANCE	533	242	23.6	76.4	97.5	2.9	291	34.0	66.0	1.4	96.2
BUNCOMBE	669	557	16.0	84.0	98.9	1.8	112	21.4	78.6	0.9	87.5
CABARRUS	316	213	14.6	85.4	97.2	3.8	103	17.5	82.5	3.9	95.1
FORSYTH	594	320	28.7	71.2	98.1	3.4	274	58.8	41.2	0.4	98.5
IREDELL	308	188	12.8	87.2	96.3	3.7	120	17.5	82.5	0.8	94.2
NEW HANOVER	114	75	6.7	93.3	98.7	24.0	39	7.7	92.3	0	89.7
PENDER	60	53	1.9	98.1	96.2	7.5	7	0	100.0	0	85.7
ROWAN	309	183	11.5	88.5	98.9	2.7	126	14.3	85.7	0	98.4
WAKE	1139	704	15.9	84.1	96.9	3.8	435	20.7	79.3	0.5	97.9
WAYNE	232	158	10.1	89.9	100.0	2.5	74	12.2	87.8	1.4	95.9

Table 4. 1988 DWI convictees eligible for assessment.  
Only those with Form 508 received and assessment not mandated or unknown.

		HANDICAP IDENTIFIED					NO HANDICAP IDENTIFIED				
TOTAL FORMS 508 RECVD		ALL			ASSESSOR RECOMMENDED		ALL			ASSESSOR RECOMMENDED	
			% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %		% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %
JAIL:	1										
NO/UNKNOWN	519	253	29.6	70.4	87.7	39.9	266	46.2	53.8	0	95.9
ACTIVE TIME	319	260	19.2	80.8	86.9	17.3	59	37.3	62.7	1.7	71.2
STATEWIDE	838	513	24.4	75.6	87.3	28.5	325	44.6	55.4	0.3	91.4
COUNTY											
ALAMANCE	13	5	40.0	60.0	100.0	0	8	37.5	62.5	0	100.0
ALEXANDER	4	3	33.3	66.7	100.0	33.3	1	100.0	0	0	100.0
ALLEGHANY	3	2	0	100.0	100.0	0	1	0	100.0	0	100.0
ANSON	2	2	0	100.0	100.0	0	0	0	0	0	0
ASHE	3	1	100.0	0	100.0	100.0	2	100.0	0	0	100.0
AVERY	0	0	0	0	0	0	0	0	0	0	0
BEAUFORT	4	4	25.0	75.0	100.0	75.0	0	0	0	0	0
BERTIE	0	0	0	0	0	0	0	0	0	0	0
BLADEN	7	3	33.3	66.7	100.0	0	4	0	100.0	0	75.0
BRUNSWICK	2	2	0	100.0	100.0	0	0	0	0	0	0
BUNCOMBE	33	26	15.4	84.6	100.0	3.8	7	42.9	57.1	0	85.7
BURKE	6	5	0	100.0	80.0	60.0	1	0	100.0	0	100.0
CABARRUS	70	51	9.8	90.2	86.3	2.0	19	15.8	84.2	0	100.0
CALDWELL	8	3	0	100.0	66.7	66.7	5	40.0	60.0	0	80.0
CAMDEN	0	0	0	0	0	0	0	0	0	0	0
CARTERET	10	5	20.0	80.0	80.0	60.0	5	60.0	40.0	0	100.0
CASWELL	4	0	0	0	0	0	4	100.0	0	0	100.0
CATAWBA	15	11	18.2	81.8	90.9	36.4	4	25.0	75.0	0	50.0
CHATHAM	7	3	33.3	66.7	100.0	0	4	0	100.0	0	100.0



		HANDICAP IDENTIFIED						NO HANDICAP IDENTIFIED					
TOTAL FORMS 508 RECVD	ALL			ASSESSOR RECOMMENDED		ALL			ASSESSOR RECOMMENDED				
		% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %		% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %			
CHEROKEE	3	2	0	100.0	100.0	100.0	1	0	100.0	0	0		
CHOWAN	0	0	0	0	0	0	0	0	0	0	0		
CLAY	1	1	0	100.0	100.0	0	0	0	0	0	0		
CLEVELAND	4	0	0	0	0	0	4	75.0	25.0	25.0	100.0		
COLUMBUS	6	4	0	100.0	75.0	100.0	2	0	100.0	0	50.0		
CRAVEN	5	1	0	100.0	0	0	4	25.0	75.0	0	100.0		
CUMBERLAND	14	1	100.0	0	100.0	0	13	53.8	46.2	0	92.3		
CURRITUCK	11	2	50.0	50.0	100.0	100.0	9	66.7	33.3	0	88.9		
DARE	6	1	0	100.0	100.0	0	5	80.0	20.0	0	100.0		
DAVIDSON	12	7	57.1	42.9	100.0	57.1	5	60.0	40.0	0	100.0		
DAVIE	3	3	33.3	66.7	100.0	33.3	0	0	0	0	0		
DUPLIN	11	10	0	100.0	100.0	60.0	1	0	100.0	0	100.0		
DURHAM	28	12	41.7	58.3	66.7	66.7	16	37.5	62.5	0	100.0		
EDGECOMBE	9	8	0	100.0	100.0	75.0	1	0	100.0	0	100.0		
FORSYTH	17	10	10.0	90.0	100.0	10.0	7	71.4	28.6	0	100.0		
FRANKLIN	2	2	0	100.0	100.0	50.0	0	0	0	0	0		
GASTON	6	2	100.0	0	0	100.0	4	75.0	25.0	0	75.0		
GATES	1	1	100.0	0	100.0	0	0	0	0	0	0		
GRAHAM	1	1	0	100.0	100.0	0	0	0	0	0	0		
GRANVILLE	4	1	100.0	0	100.0	100.0	3	33.3	66.7	0	100.0		
GREENE	1	1	100.0	0	100.0	100.0	0	0	0	0	0		
GUILFORD	44	34	23.5	76.5	85.3	32.4	10	70.0	30.0	0	100.0		
HALIFAX	2	1	0	100.0	0	0	1	0	100.0	0	0		
HARNETT	11	7	57.1	42.9	85.7	100.0	4	25.0	75.0	0	100.0		
HAYWOOD	6	4	0	100.0	100.0	25.0	2	0	100.0	0	100.0		
HENDERSON	9	4	25.0	75.0	100.0	50.0	5	100.0	0	0	100.0		
HERTFORD	4	2	0	100.0	100.0	100.0	2	0	100.0	0	50.0		

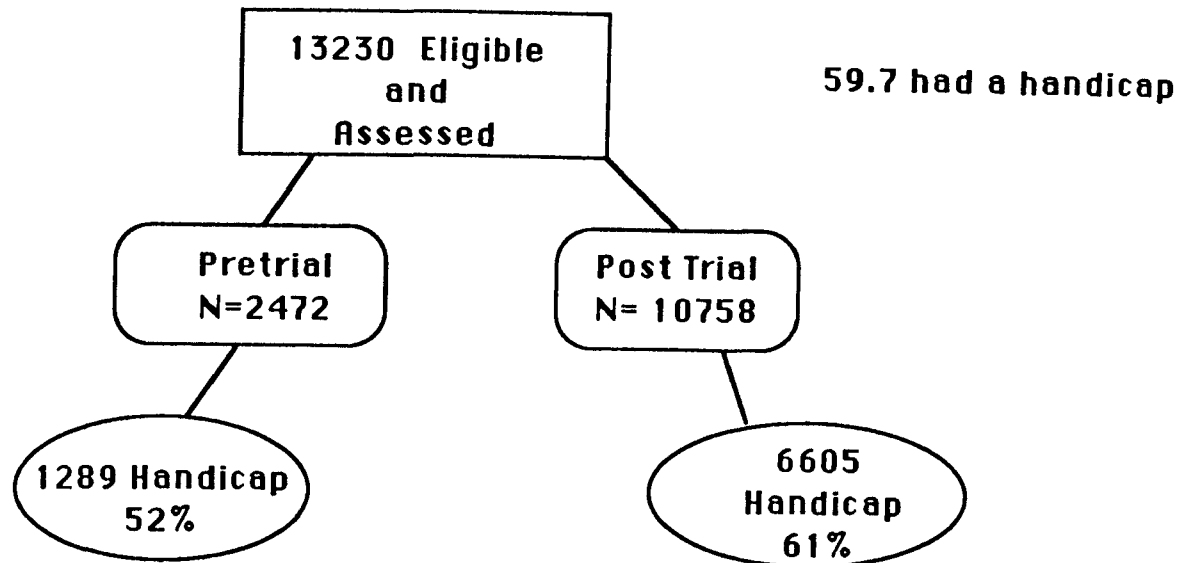
	TOTAL FORMS 508 RECVD	HANDICAP IDENTIFIED						NO HANDICAP IDENTIFIED					
						ASSESSOR RECOMMENDED						ASSESSOR RECOMMENDED	
		ALL	% PRE POST		TRMT %	ADETS %		ALL	% PRE POST		TRMT %	ADETS %	
			TRIAL	TRIAL					TRIAL	TRIAL			
HOKE	0	0	0	0	0	0	0	0	0	0	0	0	0
HYDE	0	0	0	0	0	0	0	0	0	0	0	0	0
IREDELL	12	11	36.4	63.6	100.0	0	0	1	0	100.0	0	100.0	0
JACKSON	7	3	0	100.0	100.0	66.7	4	4	0	100.0	0	75.0	0
JOHNSTON	6	5	20.0	80.0	100.0	40.0	1	1	0	100.0	0	100.0	0
JONES	0	0	0	0	0	0	0	0	0	0	0	0	0
LEE	3	2	100.0	0	100.0	50.0	1	1	0	100.0	0	100.0	0
LENOIR	5	4	50.0	50.0	75.0	0	1	1	0	100.0	0	100.0	0
LINCOLN	4	0	0	0	0	0	4	4	75.0	25.0	0	75.0	0
MC DOWELL	6	3	0	100.0	100.0	66.7	3	3	66.7	33.3	0	66.7	0
MACON	1	1	0	100.0	100.0	100.0	0	0	0	0	0	0	0
MADISON	2	1	0	100.0	100.0	100.0	1	1	100.0	0	0	100.0	0
MARTIN	4	1	0	100.0	100.0	100.0	3	3	66.7	33.3	0	100.0	0
MECKLENBURG	18	14	14.3	85.7	92.9	35.7	4	4	25.0	75.0	0	100.0	0
MITCHELL	2	1	100.0	0	100.0	0	1	1	0	100.0	0	100.0	0
MONTGOMERY	0	0	0	0	0	0	0	0	0	0	0	0	0
MOORE	6	4	25.0	75.0	100.0	25.0	2	2	100.0	0	0	100.0	0
NASH	6	6	16.7	83.3	83.3	50.0	0	0	0	0	0	0	0
NEW HANOVER	6	2	50.0	50.0	100.0	0	4	4	50.0	50.0	0	100.0	0
NORTHAMPTON	1	1	0	100.0	100.0	0	0	0	0	0	0	0	0
ONslow	32	20	100.0	0	15.0	30.0	12	12	50.0	50.0	0	50.0	0
ORANGE	8	5	80.0	20.0	100.0	60.0	3	3	66.7	33.3	0	100.0	0
PAMLICO	1	0	0	0	0	0	1	1	0	100.0	0	100.0	0
PASQUOTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
PENDER	7	5	0	100.0	100.0	0	2	2	0	100.0	0	0	0
PERQUIMANS	0	0	0	0	0	0	0	0	0	0	0	0	0
PERSON	0	0	0	0	0	0	0	0	0	0	0	0	0

		HANDICAP IDENTIFIED						NO HANDICAP IDENTIFIED						
	TOTAL FORMS 508 RECVD					ASSESSOR RECOMMENDED							ASSESSOR RECOMMENDED	
		ALL	% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %	ALL		% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %		
PITT	18	5	40.0	60.0	100.0	40.0	13	76.9	23.1	0	100.0			
POLK	1	1	0	100.0	100.0	100.0	0	0	0	0	0			
RANDOLPH	4	3	33.3	66.7	100.0	0	1	0	100.0	0	100.0			
RICHMOND	7	7	14.3	85.7	71.4	14.3	0	0	0	0	0			
ROBESON	13	12	0	100.0	75.0	25.0	1	0	100.0	0	100.0			
ROCKINGHAM	21	5	100.0	0	60.0	40.0	16	93.8	6.3	0	100.0			
ROWAN	63	44	15.9	84.1	100.0	2.3	19	10.5	89.5	0	89.5			
RUTHERFORD	4	2	0	100.0	100.0	0	2	100.0	0	0	100.0			
SAMPSON	4	4	0	100.0	100.0	0	0	0	0	0	0			
SCOTLAND	5	3	0	100.0	66.7	33.3	2	0	100.0	0	50.0			
STANLY	11	9	11.1	88.9	88.9	22.2	2	0	100.0	0	50.0			
STOKES	7	3	33.3	66.7	100.0	66.7	4	25.0	75.0	0	100.0			
SURRY	8	8	12.5	87.5	87.5	50.0	0	0	0	0	0			
SWAIN	5	2	0	100.0	100.0	100.0	3	0	100.0	0	66.7			
TRANSYLVANIA	1	0	0	0	0	0	1	100.0	0	0	100.0			
TYRRELL	0	0	0	0	0	0	0	0	0	0	0			
UNION	8	7	14.3	85.7	71.4	42.9	1	100.0	0	0	100.0			
VANCE	3	2	0	100.0	100.0	100.0	1	100.0	0	0	100.0			
WAKE	65	34	26.5	73.5	94.1	5.9	31	25.8	74.2	0	100.0			
WARREN	0	0	0	0	0	0	0	0	0	0	0			
WASHINGTON	0	0	0	0	0	0	0	0	0	0	0			
WATAUGA	5	3	66.7	33.3	33.3	33.3	2	100.0	0	0	100.0			
WAYNE	14	10	10.0	90.0	100.0	0	4	25.0	75.0	0	100.0			
WILKES	13	6	33.3	66.7	66.7	66.7	7	71.4	28.6	0	100.0			
WILSON	4	1	0	100.0	100.0	100.0	3	33.3	66.7	0	100.0			
YADKIN	3	3	33.3	66.7	100.0	33.3	0	0	0	0	0			
YANCEY	2	2	50.0	50.0	50.0	100.0	0	0	0	0	0			

Table 4 a. 1988 Pilot County DWI convictees eligible for assessment.  
Only those with Form 508 received and  
assessment not mandated or unknown.

	TOTAL FORMS 508 RECVD	HANDICAP IDENTIFIED					NO HANDICAP IDENTIFIED				
		ALL			ASSESSOR RECOMMENDED		ALL			ASSESSOR RECOMMENDED	
			% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %		% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %
JAIL:											
NO/UNKNOWN	205	108	22.2	77.8	98.1	2.8	97	26.8	73.2	0	95.9
ACTIVE TIME	95	90	11.1	88.9	92.2	3.3	5	20.0	80.0	0	80.0
TOTAL PILOT	300	198	17.2	82.8	95.5	3.0	102	26.5	73.5	0	95.1
COUNTY											
ALAMANCE	13	5	40.0	60.0	100.0	0	8	37.5	62.5	0	100.0
BUNCOMBE	33	26	15.4	84.6	100.0	3.8	7	42.9	57.1	0	85.7
CABARRUS	70	51	9.8	90.2	86.3	2.0	19	15.8	84.2	0	100.0
FORSYTH	17	10	10.0	90.0	100.0	10.0	7	71.4	28.6	0	100.0
IREDELL	12	11	36.4	63.6	100.0	0	1	0	100.0	0	100.0
NEW HANOVER	6	2	50.0	50.0	100.0	0	4	50.0	50.0	0	100.0
PENDER	7	5	0	100.0	100.0	0	2	0	100.0	0	0
ROWAN	63	44	15.9	84.1	100.0	2.3	19	10.5	89.5	0	89.5
WAKE	65	34	26.5	73.5	94.1	5.9	31	25.8	74.2	0	100.0
WAYNE	14	10	10.0	90.0	100.0	0	4	25.0	75.0	0	100.0

status. Of those assessed, 60% had a substance abuse handicap identified. Handicaps were identified in 52% of those assessed and presenting assessment forms pretrial as contrasted with 61% of those being assessed post trial.



**Figure 2: Handicaps identified in eligible DWI offenders for whom a 508 Form was Received**

The assessment status based on whether or not the DWI convictee is a first time or second(or more) time DWI offender is presented in Table 5. It is interesting to note that fewer multiple offenders are mandated to treatment than first time offenders (9.4% vs 5.4%). It is also surprising that 240 multiple offenders were found to have no handicap. [A listing of cases in which a multiple offender was identified as having a substance abuse handicap and yet not required to go to treatment is presented to DHR under separate cover.]

Table 5. 1988 DWI convictees eligible for assessment. Only those with Form 508 received.

	DWI #	HANDICAP IDENTIFIED							NO HANDICAP IDENTIFIED					
		TOTAL FORMS 508 RECVD	% OF THESE NOT MAN- DATED	ALL	% OF THESE		ASSESSOR RECOMMENDED		ALL	% OF THESE		ASSESSOR RECOMMENDED		
					PRE TRIAL	POST TRIAL	TRMT %	ADETS %		PRE TRIAL	POST TRIAL	TRMT %	ADETS %	
STATEWIDE	UNKNOWN	1634	7.3	991	11.1	88.9	94.0	33.2	643	15.1	84.9	0.5	84.4	
	FIRST	9365	5.4	4912	18.6	81.4	92.8	37.6	4453	24.0	76.0	0.8	93.3	
	SECOND+	2231	9.4	1991	13.3	86.7	94.7	17.1	240	7.9	92.1	4.6	42.1	
ALAMANCE	UNKNOWN	71	2.8	34	11.8	88.2	100.0	5.9	37	18.9	81.1	0	94.6	
	FIRST	420	2.1	162	29.0	71.0	97.5	3.1	258	36.8	63.2	1.6	96.9	
	SECOND+	55	3.6	51	15.7	84.3	96.1	0	4	0	100.0	0	75.0	
ALEXANDER	UNKNOWN	6	16.7	4	25.0	75.0	100.0	75.0	2	50.0	50.0	0	100.0	
	FIRST	41	4.9	19	21.1	78.9	100.0	89.5	22	31.8	68.2	0	90.9	
	SECOND+	19	5.3	19	15.8	84.2	73.7	52.6	0	0	0	0	0	
ALLEGHANY	UNKNOWN	7	14.3	4	25.0	75.0	100.0	25.0	3	66.7	33.3	0	100.0	
	FIRST	13	7.7	5	20.0	80.0	80.0	40.0	8	62.5	37.5	0	100.0	
	SECOND+	3	33.3	2	50.0	50.0	100.0	0	1	100.0	0	0	100.0	
ANSON	UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0	
	FIRST	24	0	17	0	100.0	100.0	29.4	7	28.6	71.4	0	100.0	
	SECOND+	9	22.2	9	11.1	88.9	100.0	11.1	0	0	0	0	0	
ASHE	UNKNOWN	2	50.0	0	0	0	0	0	2	50.0	50.0	0	100.0	
	FIRST	15	13.3	7	42.9	57.1	100.0	85.7	8	75.0	25.0	0	100.0	
	SECOND+	2	0	1	0	100.0	100.0	0	1	0	100.0	0	0	
AVERY	UNKNOWN	2	0	1	0	100.0	0	0	1	0	100.0	0	0	
	FIRST	11	0	2	0	100.0	100.0	50.0	9	22.2	77.8	0	88.9	
	SECOND+	4	0	2	50.0	50.0	100.0	0	2	0	100.0	0	0	
BEAUFORT	UNKNOWN	16	6.3	16	6.3	93.8	87.5	81.3	0	0	0	0	0	
	FIRST	82	2.4	53	15.1	84.9	98.1	88.7	29	10.3	89.7	0	100.0	
	SECOND+	30	3.3	29	17.2	82.8	100.0	44.8	1	0	100.0	0	100.0	

		HANDICAP IDENTIFIED								NO HANDICAP IDENTIFIED							
		TOTAL FORMS 508 RECVD	% OF THESE NOT MAN- DATED														
				ALL	ASSESSOR RECOMMENDED				TRMT	ADETS	ALL	ASSESSOR RECOMMENDED				TRMT	ADETS
					%	%	PRE	POST				%	%	PRE	POST		
					TRIAL	TRIAL	%	%	%	%		TRIAL	TRIAL	%	%	%	%
BERTIE	UNKNOWN	11	0	1	0	100.0	100.0	0	0	0	10	0	100.0	0	0	80.0	0
	FIRST	40	0	7	28.6	71.4	85.7	57.1	33	9.1	90.9	0	57.6	0	0	57.6	0
	SECOND+	21	0	3	33.3	66.7	100.0	0	18	5.6	94.4	5.6	5.6	0	0	5.6	0
BLADEN	UNKNOWN	9	11.1	6	0	100.0	66.7	33.3	3	0	100.0	0	66.7	0	0	66.7	0
	FIRST	62	6.5	37	2.7	97.3	97.3	48.6	25	0	100.0	0	92.0	0	0	92.0	0
	SECOND+	22	9.1	18	5.6	94.4	100.0	33.3	4	25.0	75.0	0	50.0	0	0	50.0	0
BRUNSWICK	UNKNOWN	4	0	3	0	100.0	100.0	100.0	1	0	100.0	0	100.0	0	0	100.0	0
	FIRST	50	2.0	39	7.7	92.3	87.2	69.2	11	0	100.0	0	100.0	0	0	100.0	0
	SECOND+	13	7.7	10	20.0	80.0	100.0	50.0	3	0	100.0	0	66.7	0	0	66.7	0
BUNCOMBE	UNKNOWN	82	4.9	76	3.9	96.1	100.0	0	6	0	100.0	0	50.0	0	0	50.0	0
	FIRST	510	3.7	399	18.3	81.7	99.0	2.8	111	24.3	75.7	0.9	91.0	0	0	91.0	0
	SECOND+	110	9.1	108	15.7	84.3	98.1	0	2	0	100.0	0	0	0	0	0	0
BURKE	UNKNOWN	46	8.7	26	15.4	84.6	84.6	50.0	20	25.0	75.0	0	80.0	0	0	80.0	0
	FIRST	98	1.0	39	25.6	74.4	74.4	82.1	59	35.6	64.4	0	96.6	0	0	96.6	0
	SECOND+	26	3.8	22	9.1	90.9	95.5	13.6	4	50.0	50.0	0	75.0	0	0	75.0	0
CABARRUS	UNKNOWN	16	6.3	12	0	100.0	91.7	0	4	0	100.0	25.0	100.0	0	0	100.0	0
	FIRST	308	14.3	191	12.0	88.0	98.4	4.7	117	17.9	82.1	2.6	96.6	0	0	96.6	0
	SECOND+	62	40.3	61	21.3	78.7	85.2	0	1	0	100.0	0	0	0	0	0	0
CALDWELL	UNKNOWN	28	14.3	11	0	100.0	81.8	45.5	17	17.6	82.4	0	82.4	0	0	82.4	0
	FIRST	95	3.2	28	25.0	75.0	85.7	64.3	67	11.9	88.1	0	97.0	0	0	97.0	0
	SECOND+	32	3.1	28	14.3	85.7	85.7	25.0	4	0	100.0	0	75.0	0	0	75.0	0
CAMDEN	UNKNOWN	1	0	1	0	100.0	100.0	100.0	0	0	0	0	0	0	0	0	0
	FIRST	6	0	3	66.7	33.3	100.0	100.0	3	0	100.0	0	100.0	0	0	100.0	0
	SECOND+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		HANDICAP IDENTIFIED								NO HANDICAP IDENTIFIED							
		TOTAL FORMS 508 RECVD	% OF THESE NOT MAN- DATED					ASSESSOR RECOMMENDED						ASSESSOR RECOMMENDED			
				ALL	% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %	ALL	% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %				
CARTERET	UNKNOWN	15	6.7	8	37.5	62.5	75.0	37.5	7	14.3	85.7	0	100.0				
	FIRST	86	8.1	21	42.9	57.1	81.0	76.2	65	20.0	80.0	0	90.8				
	SECOND+	10	20.0	9	11.1	88.9	88.9	22.2	1	0	100.0	0	100.0				
CASWELL	UNKNOWN	3	0	1	0	100.0	100.0	0	2	100.0	0	50.0	50.0				
	FIRST	20	20.0	3	0	100.0	100.0	0	17	29.4	70.6	0	94.1				
	SECOND+	6	0	5	0	100.0	100.0	20.0	1	0	100.0	0	100.0				
CATAWBA	UNKNOWN	54	9.3	48	14.6	85.4	95.8	54.2	6	0	100.0	0	83.3				
	FIRST	162	4.3	104	27.9	72.1	99.0	74.0	58	22.4	77.6	0	96.6				
	SECOND+	42	7.1	41	4.9	95.1	97.6	26.8	1	0	100.0	0	0				
CHATHAM	UNKNOWN	4	0	2	0	100.0	50.0	50.0	2	50.0	50.0	0	100.0				
	FIRST	53	9.4	20	35.0	65.0	90.0	60.0	33	3.0	97.0	0	97.0				
	SECOND+	18	11.1	12	8.3	91.7	100.0	41.7	6	0	100.0	0	66.7				
CHEROKEE	UNKNOWN	7	14.3	6	0	100.0	100.0	16.7	1	0	100.0	0	0				
	FIRST	20	10.0	14	0	100.0	100.0	85.7	6	0	100.0	0	83.3				
	SECOND+	2	0	2	0	100.0	100.0	0	0	0	0	0	0				
CHOWAN	UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0				
	FIRST	7	0	2	0	100.0	100.0	100.0	5	20.0	80.0	0	100.0				
	SECOND+	1	0	1	0	100.0	100.0	100.0	0	0	0	0	0				
CLAY	UNKNOWN	1	0	1	0	100.0	100.0	100.0	0	0	0	0	0				
	FIRST	4	0	2	0	100.0	100.0	100.0	2	0	100.0	0	100.0				
	SECOND+	1	100	1	0	100.0	100.0	0	0	0	0	0	0				
CLEVELAND	UNKNOWN	5	20.0	2	0	100.0	100.0	50.0	3	33.3	66.7	0	33.3				
	FIRST	95	2.1	40	20.0	80.0	97.5	60.0	55	20.0	80.0	1.8	98.2				
	SECOND+	32	3.1	23	8.7	91.3	95.7	21.7	9	33.3	66.7	11.1	22.2				



						HANDICAP IDENTIFIED				NO HANDICAP IDENTIFIED					
		TOTAL FORMS 508 RECVD	% OF THESE NOT MAN- DATED					ASSESSOR RECOMMENDED						ASSESSOR RECOMMENDED	
				ALL	% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %	ALL	% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %		
COLUMBUS	UNKNOWN	16	12.5	12	0	100.0	100.0	58.3	4	0	100.0	0	50.0		
	FIRST	77	3.9	36	0	100.0	91.7	50.0	41	2.4	97.6	0	92.7		
	SECOND+	15	6.7	11	0	100.0	90.9	27.3	4	0	100.0	0	50.0		
CRAVEN	UNKNOWN	17	5.9	12	8.3	91.7	91.7	8.3	5	0	100.0	0	80.0		
	FIRST	111	2.7	55	7.3	92.7	92.7	65.5	56	8.9	91.1	0	92.9		
	SECOND+	33	3.0	28	14.3	85.7	92.9	10.7	5	0	100.0	20.0	80.0		
CUMBERLAND	UNKNOWN	114	3.5	15	13.3	86.7	80.0	73.3	99	17.2	82.8	0	91.9		
	FIRST	154	5.8	31	35.5	64.5	48.4	77.4	123	22.8	77.2	0	95.1		
	SECOND+	22	4.5	10	20.0	80.0	80.0	40.0	12	0	100.0	0	66.7		
CURRITUCK	UNKNOWN	7	42.9	3	0	100.0	100.0	100.0	4	0	100.0	0	75.0		
	FIRST	19	42.1	2	100.0	0	100.0	100.0	17	58.8	41.2	0	100.0		
	SECOND+	0	0	0	0	0	0	0	0	0	0	0	0		
DARE	UNKNOWN	25	8.0	8	0	100.0	100.0	75.0	17	29.4	70.6	0	94.1		
	FIRST	55	7.3	5	80.0	20.0	100.0	100.0	50	62.0	38.0	2.0	96.0		
	SECOND+	6	0	4	0	100.0	100.0	75.0	2	0	100.0	0	100.0		
DAVIDSON	UNKNOWN	20	15.0	14	7.1	92.9	100.0	21.4	6	16.7	83.3	0	83.3		
	FIRST	131	6.1	64	14.1	85.9	96.9	35.9	67	20.9	79.1	0	95.5		
	SECOND+	60	1.7	54	1.9	98.1	98.1	1.9	6	0	100.0	33.3	0		
DAVIE	UNKNOWN	12	8.3	9	11.1	88.9	88.9	0	3	0	100.0	0	100.0		
	FIRST	15	6.7	9	22.2	77.8	100.0	44.4	6	0	100.0	16.7	100.0		
	SECOND+	8	12.5	8	0	100.0	100.0	0	0	0	0	0	0		
DUPLIN	UNKNOWN	10	0	8	0	100.0	100.0	37.5	2	0	100.0	0	100.0		
	FIRST	70	11.4	51	2.0	98.0	92.2	64.7	19	0	100.0	0	94.7		
	SECOND+	32	9.4	32	0	100.0	93.8	62.5	0	0	0	0	0		

				HANDICAP IDENTIFIED						NO HANDICAP IDENTIFIED							
							ASSESSOR RECOMMENDED						ASSESSOR RECOMMENDED				
				TOTAL FORMS 508 RECVD	% OF THESE NOT MAN-DATED			% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %			% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %
						ALL						ALL					
DURHAM	UNKNOWN	54	7.4	31	6.5	93.5	83.9	83.9	23	0	100.0	0	100.0				
	FIRST	201	10.4	97	13.4	86.6	90.7	85.6	104	17.3	82.7	0	99.0				
	SECOND+	30	10.0	27	11.1	88.9	92.6	55.6	3	33.3	66.7	0	100.0				
EDGEcombe	UNKNOWN	8	25.0	7	14.3	85.7	100.0	71.4	1	0	100.0	0	100.0				
	FIRST	106	5.7	83	1.2	98.8	97.6	81.9	23	0	100.0	4.3	95.7				
	SECOND+	24	4.2	24	8.3	91.7	95.8	29.2	0	0	0	0	0				
FORSYTH	UNKNOWN	56	3.6	37	18.9	81.1	100.0	2.7	19	57.9	42.1	0	100.0				
	FIRST	504	2.0	246	31.3	68.7	97.6	4.1	258	59.3	40.7	0.4	98.4				
	SECOND+	51	9.8	47	19.1	80.9	100.0	2.1	4	50.0	50.0	0	100.0				
FRANKLIN	UNKNOWN	12	8.3	10	0	100.0	100.0	70.0	2	0	100.0	0	50.0				
	FIRST	42	0	39	5.1	94.9	100.0	92.3	3	0	100.0	0	100.0				
	SECOND+	16	6.3	12	16.7	83.3	100.0	83.3	4	0	100.0	25.0	50.0				
GASTON	UNKNOWN	27	11.1	9	11.1	88.9	55.6	44.4	18	5.6	94.4	0	83.3				
	FIRST	102	2.9	43	4.7	95.3	62.8	53.5	59	5.1	94.9	0	91.5				
	SECOND+	17	0	14	7.1	92.9	71.4	21.4	3	0	100.0	0	33.3				
GATES	UNKNOWN	2	0	0	0	0	0	0	2	0	100.0	0	50.0				
	FIRST	14	7.1	6	33.3	66.7	83.3	66.7	8	12.5	87.5	0	75.0				
	SECOND+	2	0	0	0	0	0	0	2	0	100.0	0	50.0				
GRAHAM	UNKNOWN	2	0	2	0	100.0	100.0	0	0	0	0	0	0				
	FIRST	8	0	2	50.0	50.0	100.0	0	6	0	100.0	0	33.3				
	SECOND+	3	33.3	3	0	100.0	100.0	0	0	0	0	0	0				
GRANVILLE	UNKNOWN	7	14.3	4	25.0	75.0	100.0	50.0	3	33.3	66.7	0	66.7				
	FIRST	36	8.3	17	11.8	88.2	94.1	88.2	19	5.3	94.7	0	100.0				
	SECOND+	9	0	7	14.3	85.7	100.0	71.4	2	0	100.0	0	100.0				

		HANDICAP IDENTIFIED								NO HANDICAP IDENTIFIED							
		TOTAL FORMS 508 RECVD	% OF THESE NOT MAN- DATED	ASSESSOR RECOMMENDED						ASSESSOR RECOMMENDED							
				ALL	% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %	ALL	% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %				
GREENE	UNKNOWN	2	50.0	2	50.0	50.0	100.0	100.0	0	0	0	0	0				
	FIRST	19	0	14	0	100.0	100.0	71.4	5	20.0	80.0	0	100.0				
	SECOND+	7	0	7	14.3	85.7	100.0	14.3	0	0	0	0	0				
GUILFORD	UNKNOWN	31	3.2	28	14.3	85.7	96.4	32.1	3	66.7	33.3	0	100.0				
	FIRST	420	6.4	290	24.8	75.2	89.0	26.2	130	46.2	53.8	3.1	90.0				
	SECOND+	161	9.9	158	12.0	88.0	98.1	1.3	3	0	100.0	0	0				
HALIFAX	UNKNOWN	20	5.0	8	0	100.0	100.0	37.5	12	0	100.0	0	50.0				
	FIRST	85	0	37	8.1	91.9	94.6	51.4	48	12.5	87.5	0	77.1				
	SECOND+	21	4.8	16	12.5	87.5	81.3	0	5	0	100.0	0	0				
HARNETT	UNKNOWN	27	14.8	13	23.1	76.9	92.3	69.2	14	0	100.0	0	78.6				
	FIRST	109	3.7	52	28.8	71.2	80.8	78.8	57	24.6	75.4	0	93.0				
	SECOND+	34	8.8	29	24.1	75.9	100.0	44.8	5	0	100.0	0	40.0				
HAYWOOD	UNKNOWN	10	10.0	8	0	100.0	100.0	25.0	2	0	100.0	0	100.0				
	FIRST	86	4.7	41	4.9	95.1	95.1	48.8	45	0	100.0	2.2	80.0				
	SECOND+	24	4.2	18	0	100.0	100.0	5.6	6	0	100.0	0	0				
HENDERSON	UNKNOWN	22	4.5	15	26.7	73.3	100.0	53.3	7	14.3	85.7	0	85.7				
	FIRST	71	7.0	33	45.5	54.5	93.9	81.8	38	47.4	52.6	2.6	97.4				
	SECOND+	22	13.6	22	22.7	77.3	95.5	59.1	0	0	0	0	0				
HERTFORD	UNKNOWN	8	0	3	0	100.0	100.0	33.3	5	0	100.0	0	40.0				
	FIRST	37	8.1	10	0	100.0	100.0	60.0	27	14.8	85.2	0	77.8				
	SECOND+	18	5.6	5	0	100.0	100.0	0	13	0	100.0	0	7.7				
HOKE	UNKNOWN	6	0	3	33.3	66.7	100.0	66.7	3	0	100.0	0	100.0				
	FIRST	46	0	22	9.1	90.9	86.4	77.3	24	4.2	95.8	0	100.0				
	SECOND+	11	0	9	0	100.0	66.7	22.2	2	0	100.0	0	0				

		HANDICAP IDENTIFIED								NO HANDICAP IDENTIFIED					
		TOTAL FORMS 508 RECVD	% OF THESE NOT MAN- DATED					ASSESSOR RECOMMENDED						ASSESSOR RECOMMENDED	
				ALL	% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %	ALL	% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %		
HYDE	UNKNOWN	1	0	1	0	100.0	100.0	100.0	0	0	0	0	0		
	FIRST	10	0	7	14.3	85.7	100.0	71.4	3	66.7	33.3	0	100.0		
	SECOND+	2	0	2	50.0	50.0	100.0	50.0	0	0	0	0	0		
IREDELL	UNKNOWN	21	14.3	13	23.1	76.9	100.0	0	8	25.0	75.0	0	100.0		
	FIRST	252	0.8	139	13.7	86.3	98.6	3.6	113	16.8	83.2	0.9	93.8		
	SECOND+	47	14.9	47	12.8	87.2	89.4	4.3	0	0	0	0	0		
JACKSON	UNKNOWN	4	0	4	0	100.0	100.0	25.0	0	0	0	0	0		
	FIRST	30	20.0	15	6.7	93.3	100.0	60.0	15	0	100.0	0	73.3		
	SECOND+	6	16.7	5	0	100.0	100.0	0	1	0	100.0	0	0		
JOHNSTON	UNKNOWN	25	4.0	17	5.9	94.1	94.1	52.9	8	0	100.0	0	50.0		
	FIRST	118	2.5	54	9.3	90.7	90.7	68.5	64	7.8	92.2	0	93.8		
	SECOND+	34	5.9	30	6.7	93.3	100.0	33.3	4	0	100.0	0	75.0		
JONES	UNKNOWN	3	0	2	0	100.0	100.0	0	1	0	100.0	0	0		
	FIRST	7	0	3	33.3	66.7	100.0	33.3	4	0	100.0	0	75.0		
LEE	UNKNOWN	12	0	9	22.2	77.8	100.0	44.4	3	33.3	66.7	0	66.7		
	FIRST	57	3.5	19	31.6	68.4	94.7	89.5	38	18.4	81.6	0	94.7		
	SECOND+	9	11.1	7	14.3	85.7	100.0	14.3	2	50.0	50.0	0	100.0		
LENOIR	UNKNOWN	25	8.0	10	10.0	90.0	80.0	50.0	15	0	100.0	0	93.3		
	FIRST	75	1.3	33	9.1	90.9	93.9	60.6	42	9.5	90.5	0	95.2		
	SECOND+	28	7.1	28	10.7	89.3	92.9	14.3	0	0	0	0	0		
LINCOLN	UNKNOWN	8	12.5	3	0	100.0	100.0	100.0	5	20.0	80.0	0	80.0		
	FIRST	63	4.8	17	41.2	58.8	88.2	82.4	46	37.0	63.0	2.2	91.3		
	SECOND+	17	0	11	27.3	72.7	90.9	18.2	6	16.7	83.3	0	33.3		

				HANDICAP IDENTIFIED						NO HANDICAP IDENTIFIED					
		TOTAL FORMS 508 RECVD	% OF THESE NOT MAN- DATED					ASSESSOR RECOMMENDED						ASSESSOR RECOMMENDED	
				ALL	% TRIAL	% TRIAL	TRMT %	ADETS %	ALL	% TRIAL	% TRIAL	TRMT %	ADETS %		
MC DOWELL	UNKNOWN	9	22.2	8	12.5	87.5	100.0	25.0	1	0	100.0	0	0		
	FIRST	33	12.1	16	12.5	87.5	100.0	68.8	17	29.4	70.6	0	88.2		
	SECOND+	8	0	8	12.5	87.5	100.0	0	0	0	0	0	0		
MACON	UNKNOWN	3	0	2	50.0	50.0	50.0	0	1	0	100.0	0	100.0		
	FIRST	11	9.1	6	33.3	66.7	100.0	16.7	5	0	100.0	0	100.0		
	SECOND+	1	0	1	100.0	0	100.0	0	0	0	0	0	0		
MADISON	UNKNOWN	10	0	7	14.3	85.7	100.0	71.4	3	0	100.0	0	66.7		
	FIRST	56	3.6	26	11.5	88.5	96.2	73.1	30	10.0	90.0	0	93.3		
	SECOND+	27	0	26	0	100.0	100.0	42.3	1	0	100.0	0	0		
MARTIN	UNKNOWN	5	20.0	4	0	100.0	100.0	100.0	1	100.0	0	0	100.0		
	FIRST	44	4.5	21	42.9	57.1	61.9	95.2	23	56.5	43.5	0	100.0		
	SECOND+	11	9.1	9	22.2	77.8	88.9	77.8	2	50.0	50.0	0	100.0		
MECKLENBURG	UNKNOWN	21	0	12	33.3	66.7	91.7	16.7	9	22.2	77.8	0	88.9		
	FIRST	429	2.3	197	25.9	74.1	88.8	65.0	232	24.1	75.9	0.4	97.4		
	SECOND+	71	11.3	66	12.1	87.9	95.5	9.1	5	20.0	80.0	20.0	40.0		
MITCHELL	UNKNOWN	2	0	2	0	100.0	100.0	0	0	0	0	0	0		
	FIRST	15	6.7	5	20.0	80.0	80.0	60.0	10	20.0	80.0	0	100.0		
	SECOND+	5	20.0	5	20.0	80.0	80.0	0	0	0	0	0	0		
MONTGOMERY	UNKNOWN	7	0	4	0	100.0	100.0	25.0	3	0	100.0	0	66.7		
	FIRST	25	0	7	14.3	85.7	100.0	14.3	18	0	100.0	0	94.4		
	SECOND+	3	0	3	0	100.0	100.0	0	0	0	0	0	0		
MOORE	UNKNOWN	6	16.7	4	0	100.0	75.0	0	2	0	100.0	0	50.0		
	FIRST	50	8.0	26	23.1	76.9	84.6	42.3	24	33.3	66.7	0	91.7		
	SECOND+	6	16.7	5	0	100.0	100.0	20.0	1	0	100.0	0	100.0		

				HANDICAP IDENTIFIED						NO HANDICAP IDENTIFIED					
		TOTAL FORMS 508 RECVD	% OF THESE NOT MAN- DATED				ASSESSOR RECOMMENDED						ASSESSOR RECOMMENDED		
				ALL	% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %	ALL	% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %		
NASH	UNKNOWN	15	6.7	14	0	100.0	85.7	57.1	1	0	100.0	0	100.0		
	FIRST	115	2.6	78	5.1	94.9	96.2	71.8	37	2.7	97.3	0	97.3		
	SECOND+	31	6.5	30	3.3	96.7	93.3	20.0	1	0	100.0	0	100.0		
NEW HANOVER	UNKNOWN	24	4.2	15	0	100.0	100.0	26.7	9	11.1	88.9	0	88.9		
	FIRST	80	6.3	47	10.6	89.4	97.9	21.3	33	12.1	87.9	0	90.9		
	SECOND+	16	0	15	6.7	93.3	100.0	26.7	1	0	100.0	0	100.0		
NORTHAMPTON	UNKNOWN	3	0	0	0	0	0	0	3	0	100.0	0	0		
	FIRST	37	0	7	0	100.0	85.7	28.6	30	3.3	96.7	0	90.0		
	SECOND+	20	5.0	13	0	100.0	84.6	0	7	0	100.0	0	42.9		
ONSWLOW	UNKNOWN	19	5.3	10	40.0	60.0	60.0	50.0	9	33.3	66.7	0	88.9		
	FIRST	242	8.7	79	70.9	29.1	41.8	48.1	163	24.5	75.5	2.5	73.6		
	SECOND+	41	24.4	33	69.7	30.3	48.5	18.2	8	12.5	87.5	12.5	25.0		
ORANGE	UNKNOWN	20	0	12	33.3	66.7	91.7	41.7	8	12.5	87.5	0	62.5		
	FIRST	81	8.6	32	31.3	68.8	90.6	46.9	49	22.4	77.6	0	91.8		
	SECOND+	11	9.1	8	25.0	75.0	100.0	37.5	3	0	100.0	0	33.3		
PAMLICO	UNKNOWN	2	0	1	0	100.0	100.0	0	1	0	100.0	0	100.0		
	FIRST	12	0	5	20.0	80.0	100.0	40.0	7	14.3	85.7	0	100.0		
	SECOND+	11	9.1	10	0	100.0	100.0	10.0	1	0	100.0	0	100.0		
PASQUOTANK	UNKNOWN	3	0	1	0	100.0	100.0	100.0	2	0	100.0	0	100.0		
	FIRST	19	0	11	18.2	81.8	100.0	90.9	8	12.5	87.5	25.0	100.0		
	SECOND+	3	0	2	0	100.0	100.0	100.0	1	0	100.0	0	100.0		
PENDER	UNKNOWN	4	0	3	0	100.0	100.0	0	1	0	100.0	0	100.0		
	FIRST	48	6.3	41	2.4	97.6	95.1	4.9	7	0	100.0	0	71.4		
	SECOND+	15	26.7	14	0	100.0	100.0	14.3	1	0	100.0	0	0		

		HANDICAP IDENTIFIED								NO HANDICAP IDENTIFIED							
		TOTAL FORMS 508 RECVD	% OF THESE NOT MAN- DATED														
				ALL	%		%		ASSESSOR RECOMMENDED	TRMT	ADETS	ALL	%		ASSESSOR RECOMMENDED	TRMT	ADETS
					PRE	POST	TRIAL	TRIAL					PRE	POST			
					TRIAL	TRIAL			%	%			TRIAL	TRIAL	%	%	
PERQUIMANS	UNKNOWN	1	0	0	0	0	0	0	0	0	0	1	100.0	0	0	100.0	
	FIRST	5	0	0	0	0	0	0	0	0	0	5	40.0	60.0	0	100.0	
	SECOND+	2	0	2	0	100.0	50.0	50.0				0	0	0	0	0	0
PERSON	UNKNOWN	5	0	1	0	100.0	100.0	100.0				4	25.0	75.0	0	100.0	
	FIRST	25	0	9	0	100.0	100.0	88.9				16	6.3	93.8	0	100.0	
	SECOND+	8	0	5	0	100.0	100.0	80.0				3	0	100.0	0	100.0	
PITT	UNKNOWN	11	9.1	9	11.1	88.9	100.0	55.6				2	0	100.0	0	100.0	
	FIRST	129	12.4	46	32.6	67.4	89.1	60.9				83	39.8	60.2	0	94.0	
	SECOND+	23	4.3	18	22.2	77.8	100.0	5.6				5	0	100.0	20.0	20.0	
POLK	UNKNOWN	3	33.3	1	0	100.0	100.0	100.0				2	0	100.0	0	100.0	
	FIRST	16	0	5	40.0	60.0	100.0	40.0				11	18.2	81.8	0	100.0	
	SECOND+	0	0	0	0	0	0	0				0	0	0	0	0	0
RANDOLPH	UNKNOWN	55	1.8	33	3.0	97.0	93.9	24.2				22	4.5	95.5	4.5	50.0	
	FIRST	69	1.4	35	11.4	88.6	97.1	65.7				34	2.9	97.1	2.9	88.2	
	SECOND+	29	6.9	26	11.5	88.5	100.0	7.7				3	0	100.0	0	0	
RICHMOND	UNKNOWN	11	9.1	8	12.5	87.5	100.0	37.5				3	0	100.0	0	100.0	
	FIRST	50	8.0	26	11.5	88.5	96.2	23.1				24	16.7	83.3	4.2	87.5	
	SECOND+	10	20.0	8	25.0	75.0	87.5	25.0				2	0	100.0	50.0	50.0	
ROBESON	UNKNOWN	10	0	10	0	100.0	80.0	40.0				0	0	0	0	0	0
	FIRST	160	4.4	115	0	100.0	75.7	43.5				45	0	100.0	0	84.4	
	SECOND+	71	8.5	64	4.7	95.3	95.3	0				7	0	100.0	0	14.3	
ROCKINGHAM	UNKNOWN	10	0	7	0	100.0	85.7	42.9				3	33.3	66.7	0	33.3	
	FIRST	58	29.3	14	35.7	64.3	92.9	42.9				44	34.1	65.9	2.3	88.6	
	SECOND+	15	26.7	10	30.0	70.0	90.0	10.0				5	40.0	60.0	0	80.0	

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		TOTAL FORMS 508 RECVD	% OF THESE NOT MAN- DATED					ASSESSOR RECOMMENDED						ASSESSOR RECOMMENDED	
				ALL	% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %	ALL	% PRE TRIAL	% POST TRIAL	TRMT %	ADETS %		
ROWAN	UNKNOWN	19	36.8	9	0	100.0	100.0	0	10	0	100.0	0	100.0		
	FIRST	297	11.4	162	15.4	84.6	100.0	2.5	135	14.8	85.2	0	97.0		
	SECOND+	56	39.3	56	5.4	94.6	96.4	3.6	0	0	0	0	0		
RUTHERFORD	UNKNOWN	5	0	2	50.0	50.0	100.0	100.0	3	0	100.0	0	66.7		
	FIRST	97	2.1	42	19.0	81.0	97.6	85.7	55	38.2	61.8	0	92.7		
	SECOND+	35	5.7	31	19.4	80.6	100.0	58.1	4	0	100.0	0	100.0		
SAMPSON	UNKNOWN	11	9.1	10	0	100.0	100.0	40.0	1	0	100.0	0	100.0		
	FIRST	43	0	16	6.3	93.8	93.8	87.5	27	3.7	96.3	0	96.3		
	SECOND+	28	10.7	24	0	100.0	100.0	29.2	4	0	100.0	0	50.0		
SCOTLAND	UNKNOWN	13	7.7	10	0	100.0	90.0	30.0	3	0	100.0	0	33.3		
	FIRST	45	6.7	34	5.9	94.1	94.1	20.6	11	0	100.0	0	54.5		
	SECOND+	13	7.7	13	0	100.0	100.0	7.7	0	0	0	0	0		
STANLY	UNKNOWN	10	20.0	8	0	100.0	87.5	50.0	2	0	100.0	0	0		
	FIRST	68	7.4	36	5.6	94.4	88.9	33.3	32	0	100.0	0	78.1		
	SECOND+	13	30.8	12	8.3	91.7	100.0	8.3	1	0	100.0	0	0		
STOKES	UNKNOWN	2	0	1	0	100.0	100.0	0	1	0	100.0	0	100.0		
	FIRST	31	16.1	13	7.7	92.3	84.6	61.5	18	5.6	94.4	0	100.0		
	SECOND+	7	28.6	5	20.0	80.0	100.0	20.0	2	0	100.0	0	0		
SURRY	UNKNOWN	20	10.0	13	0	100.0	84.6	38.5	7	0	100.0	0	57.1		
	FIRST	106	3.8	63	9.5	90.5	88.9	50.8	43	11.6	88.4	0	86.0		
	SECOND+	26	7.7	22	9.1	90.9	90.9	9.1	4	0	100.0	25.0	25.0		
SWAIN	UNKNOWN	2	0	1	0	100.0	100.0	0	1	0	100.0	0	0		
	FIRST	19	21.1	13	0	100.0	100.0	84.6	6	0	100.0	0	83.3		
	SECOND+	4	25.0	2	0	100.0	100.0	0	2	0	100.0	0	0		



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		TOTAL FORMS 508 RECVD	% OF THESE NOT MAN- DATED					ASSESSOR RECOMMENDED						ASSESSOR RECOMMENDED	
				ALL	% PRE POST		TRMT	ADETS	%	%	ALL	% PRE POST		TRMT	ADETS
					TRIAL	TRIAL						TRIAL	TRIAL		
TRANSYLVANIA	UNKNOWN	3	0	3	66.7	33.3	100.0	33.3			0	0	0	0	0
	FIRST	12	8.3	9	44.4	55.6	77.8	88.9			3	100.0	0	0	100.0
	SECOND+	10	0	10	10.0	90.0	100.0	20.0			0	0	0	0	0
TYRRELL	UNKNOWN	2	0	1	0	100.0	100.0	0			1	0	100.0	0	100.0
	FIRST	10	0	7	0	100.0	85.7	85.7			3	33.3	66.7	0	100.0
	SECOND+	5	0	5	0	100.0	100.0	20.0			0	0	0	0	0
UNION	UNKNOWN	13	15.4	11	9.1	90.9	100.0	0			2	0	100.0	0	100.0
	FIRST	57	8.8	45	11.1	88.9	95.6	46.7			12	16.7	83.3	0	83.3
	SECOND+	17	5.9	17	5.9	94.1	100.0	35.3			0	0	0	0	0
VANCE	UNKNOWN	17	11.8	14	0	100.0	100.0	85.7			3	33.3	66.7	0	100.0
	FIRST	48	2.1	37	0	100.0	100.0	86.5			11	9.1	90.9	0	100.0
	SECOND+	21	0	20	0	100.0	100.0	80.0			1	0	100.0	0	0
WAKE	UNKNOWN	144	6.9	83	10.8	89.2	100.0	0			61	14.8	85.2	0	98.4
	FIRST	913	5.4	512	17.0	83.0	95.7	5.7			401	22.2	77.8	0.5	98.0
	SECOND+	147	4.1	143	17.5	82.5	98.6	0			4	0	100.0	0	100.0
WARREN	UNKNOWN	10	0	7	0	100.0	100.0	85.7			3	0	100.0	0	100.0
	FIRST	17	0	11	0	100.0	90.9	90.9			6	0	100.0	0	100.0
	SECOND+	5	0	5	0	100.0	100.0	100.0			0	0	0	0	0
WASHINGTON	UNKNOWN	1	0	1	100.0	0	100.0	0			0	0	0	0	0
	FIRST	6	0	5	0	100.0	100.0	100.0			1	0	100.0	100.0	100.0
	SECOND+	4	0	4	0	100.0	100.0	50.0			0	0	0	0	0
WATAUGA	UNKNOWN	15	6.7	12	50.0	50.0	83.3	41.7			3	100.0	0	0	100.0
	FIRST	48	6.3	24	45.8	54.2	70.8	87.5			24	75.0	25.0	4.2	95.8
	SECOND+	7	14.3	6	83.3	16.7	33.3	33.3			1	100.0	0	0	100.0

		HANDICAP IDENTIFIED								NO HANDICAP IDENTIFIED							
		TOTAL FORMS 508 RECVD	% OF THESE NOT MAN- DATED														
				ALL	% PRE POST		ASSESSOR RECOMMENDED		TRMT %	ADETS %	ALL	% PRE POST		ASSESSOR RECOMMENDED		TRMT %	ADETS %
					TRIAL	TRIAL						TRIAL	TRIAL				
WAYNE	UNKNOWN	42	7.1	23	0	100.0	100.0	0			19	10.5	89.5	0		94.7	
	FIRST	172	5.2	113	12.4	87.6	100.0	2.7			59	13.6	86.4	1.7		96.6	
	SECOND+	32	6.3	32	9.4	90.6	100.0	3.1			0	0	0	0		0	
WILKES	UNKNOWN	25	16.0	19	42.1	57.9	94.7	52.6			6	50.0	50.0	0		100.0	
	FIRST	67	9.0	37	54.1	45.9	94.6	45.9			30	53.3	46.7	0		96.7	
	SECOND+	32	9.4	31	48.4	51.6	90.3	16.1			1	0	100.0	0		0	
WILSON	UNKNOWN	9	11.1	6	16.7	83.3	100.0	16.7			3	0	100.0	0		66.7	
	FIRST	104	2.9	62	9.7	90.3	98.4	72.6			42	11.9	88.1	0		95.2	
	SECOND+	28	0	26	7.7	92.3	96.2	38.5			2	0	100.0	0		50.0	
YADKIN	UNKNOWN	7	0	6	33.3	66.7	83.3	0			1	0	100.0	0		100.0	
	FIRST	25	8.0	17	76.5	23.5	100.0	35.3			8	50.0	50.0	0		100.0	
	SECOND+	10	10.0	10	20.0	80.0	100.0	20.0			0	0	0	0		0	
YANCEY	UNKNOWN	1	0	0	0	0	0	0			1	0	100.0	0		100.0	
	FIRST	19	10.5	14	35.7	64.3	85.7	57.1			5	20.0	80.0	0		80.0	
	SECOND+	4	0	4	50.0	50.0	100.0	0			0	0	0	0		0	

In conducting this analysis many problems were identified. Numerous individuals had multiple 508 trailers for the same arrest event. Apparently many people were assigned to ADETS by the courts, attended the school, had a 508 Form completed and returned to DMV without having been assessed. Several individuals had multiple ADETS information linked to the same court date. In these cases, DWI convictees had probably failed to complete first time and realized that completion was pivotal for license reinstatement. Later they discovered that they also had to receive an assessment. For these, the actual trailer indicating completion of treatment was used. (As with any new system, there is confusion at implementation time and this is no exception.)

### **C. Recidivism Study of those Convicted of DWI in Pilot Counties.**

This task focuses on the assessment process and DWI recidivism. The study population for this analysis was North Carolina drivers convicted of first time DWI during 1988 or 1989 in the pilot counties. The determination of "first time" is based on DMV designation. This restricts the population to those theoretically eligible for license reinstatement one year from the time of conviction if they have completed the requirements of their court order. Thus, this group was selected because their incapacitation period is the shortest. For the brief period of time available, i.e., in most cases less than two years, it was important to look at those most quickly able to drive. No control is made of limited driving privilege for this population. 'First time' in the literal sense is often a misnomer; it is only based on an individual's previous three year driving experience. In reality many people so designated were either found guilty at a level less than five (the least serious sentencing level) and/or had a DWI offense previous to the DMV three year period. Thus, the reader should be careful to remember that this study population may not be an exclusively 'low risk' population. Because of the small number of cases, many important confounding variables could not be controlled for.

The recidivism graphs reflect three approaches to grouping the first-time DWI offenders in Pilot counties in 1988 and 1989. The three grouping variables,

namely, Set 1, Set 2, and Set 3, are defined below.

**Set 1 (4 values):**

Pilot county DWI offenders who did not fall into one of the groups below were omitted from this graph (Figure 3).

1. "Not Mandated" - Although eligible for assessment, these people were not required by the court to be assessed and did not voluntarily obtain an assessment. ((court disposition on 'RATERS' trailer re assessment=no) or ((court disposition information missing and 'SAA&TE Required' trailer absent) and 'SAA&TE Stat' trailer absent)) .
2. "Handicap, treated" - These people were required by the court to have an assessment, found by the assessor to have a handicap, required to go through treatment and completed said treatment. (((court disposition on 'RATERS' trailer re assessment=yes) or (court disposition missing and 'SAA&TE Required' trailer present)) and ('SAA&TE Stat' trailer present and ( handicap=yes and treatment required=yes<1,4, or7>))).
3. "Not Compliant" - Although required by the court to have an assessment, there is no evidence that the offender has complied. (((court disposition on 'RATERS' trailer re assessment=yes) or (court disposition missing and 'SAA&TE Required' trailer present)) and 'SAA&TE Stat' trailer absent).
4. "No Handicap" -These people were required by the court to have an assessment, found by the assessor not to have a handicap. (((court disposition on 'RATERS' trailer re assessment=yes) or (court disposition missing and 'SAA&TE Required' trailer present)) and ('SAA&TE Stat' trailer present and handicap=no)).

**Set 2 (3 values):**

This graph (Figure 4) includes all 1988 and 1989 Pilot county DWI offenders.

This might reflect the ability of an assessor to discern a handicap, regardless of the circumstances.

1. "Handicap" - All convictees with an 'SAA&TE Stat' trailer showing handicap=yes.

2. "No Handicap" - All convictees with an 'SAA&TE Stat' trailer showing handicap=no.
3. "Unknown" - All convictees with an 'SAA&TE Stat' trailer showing neither yes or no, or 'SAA&TE Stat' trailer absent.

**Set 3 (5 values):**

This graph (Figure 5) is similar to the previous one, differentiating between pre- and post-trial assessments.

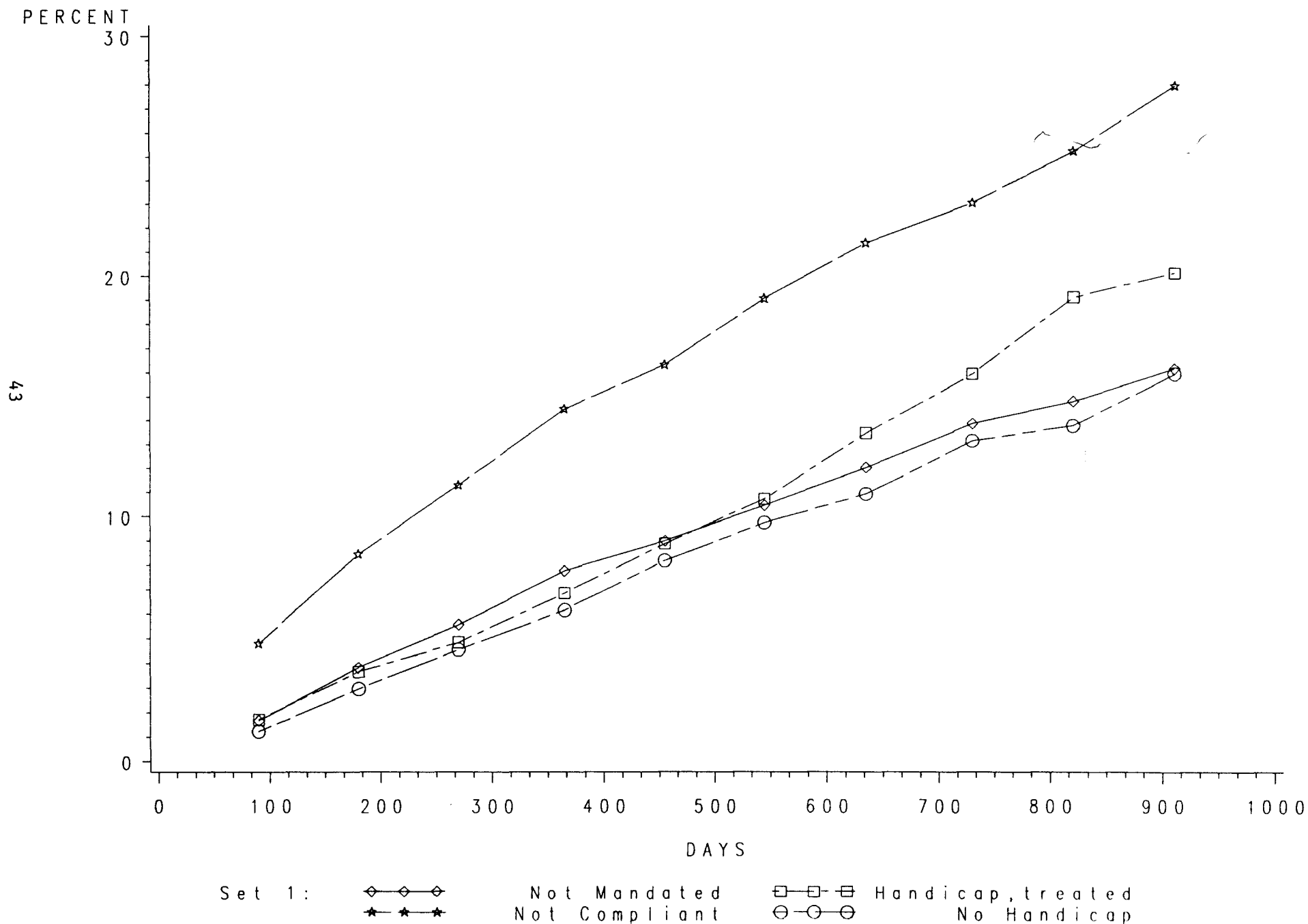
1. "Handicap/pre" - All convictees with an 'SAA&TE Stat' trailer showing handicap=yes, pretrial.
2. "No Handicap/pre" - All convictees with an 'SAA&TE Stat' trailer showing handicap=no, pretrial.
3. "Handicap/post" - All convictees with an 'SAA&TE Stat' trailer showing handicap=yes, post-trial.
4. "No Handicap/post" - All convictees with an 'SAA&TE Stat' trailer showing handicap=no, post-trial.
5. "Unknown" - All convictees with an 'SAA&TE Stat' trailer showing neither yes or no, or no 'SAA&TE Stat' trailer present.

Figures 3, 4 and 5 depict that percent of the "surviving" study population who had a subsequent DWI. These percentages were figured at three month intervals up to 30 months, plotted as days on the graphs. If 8 months exists between conviction data and the date of our file (November, 1990), then that case is included in the denominator data for determining survival rates at 3 months and 6 months but not 9 months. Thus, because some of our study population may have been convicted in the end of 1989 and because our tape is frozen as of November, 1990, many individuals only became part of our observed population for nine months, i.e., the period between conviction and the freezing of our data file. Thus, we have a declining number of people in our population based on the amount of time from 0 to 900 days.

In Figure 3, we attempted to define groups and only count those cases that fell

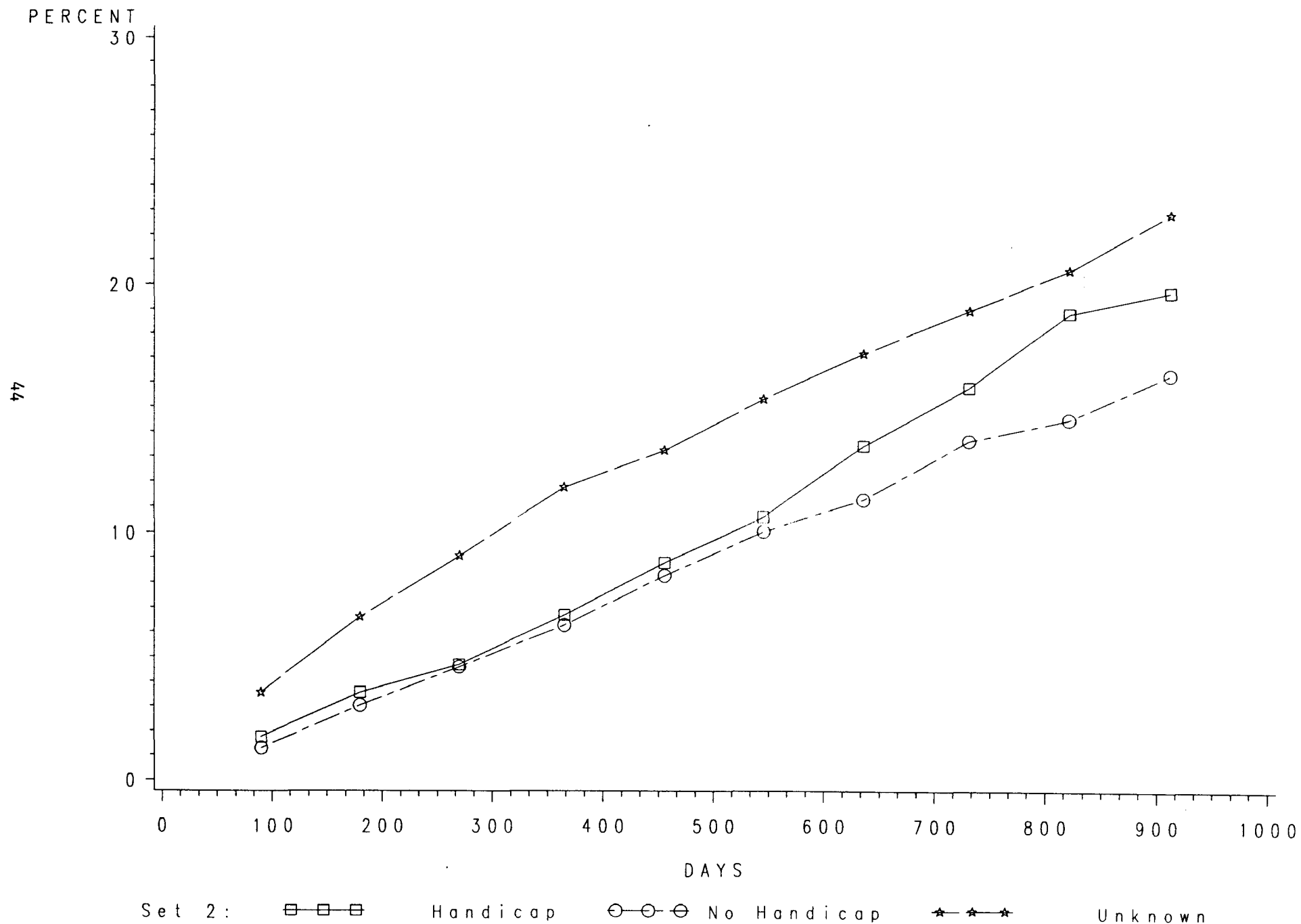
# Figure 3. Groups of Pilot County 1988 & 1989 DWI Convictees

Only First-Time DWI Offenders  
Percent of Population Recidivating at 3 Month Intervals



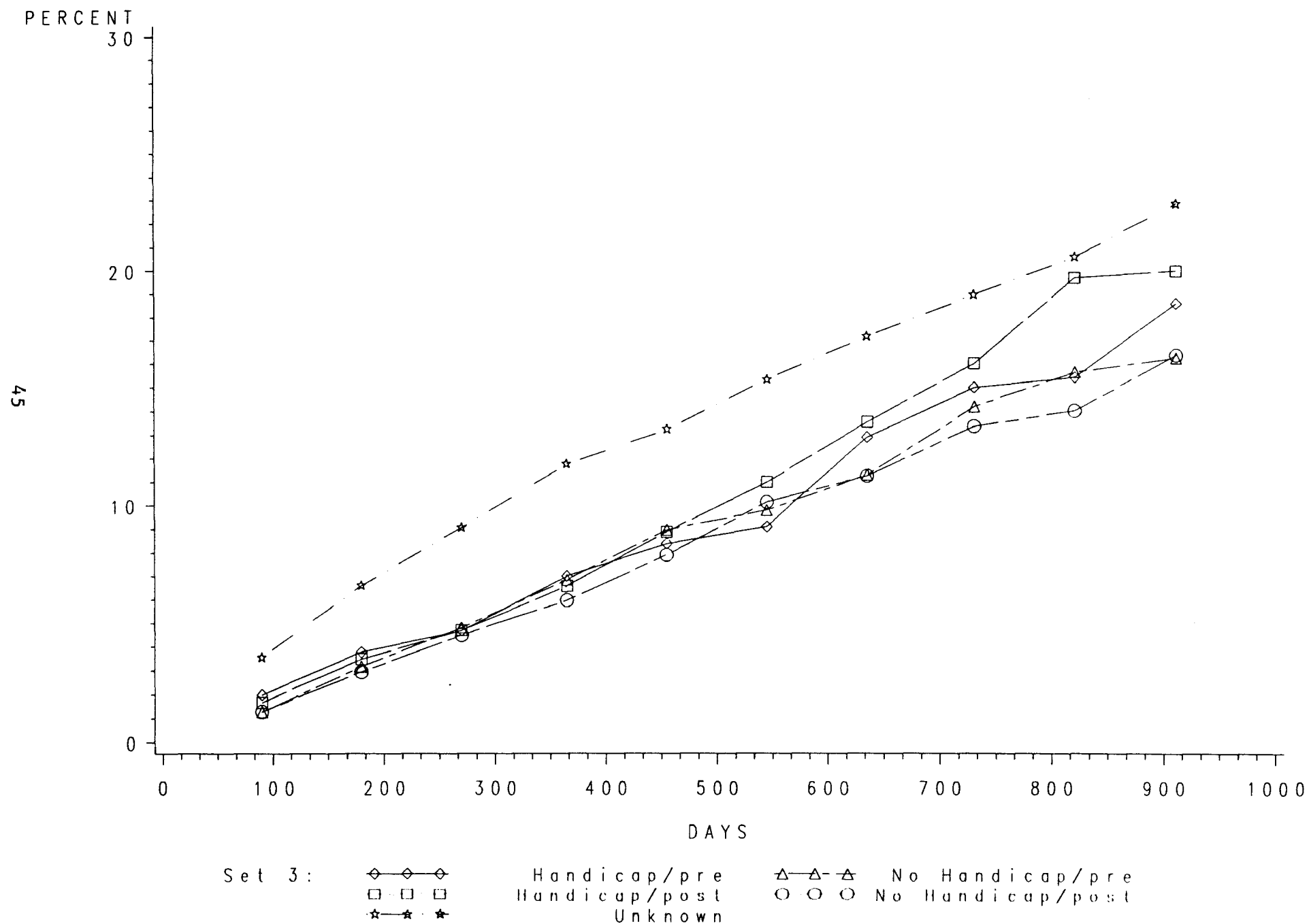
# Figure 4. Groups of Pilot County 1988 & 1989 DWI Convictees

Only First-Time DWI Offenders  
Percent of Population Recidivating at 3 Month Intervals



# Figure 5. Groups of Pilot County 1988 & 1989 DWI Convictees

Only First-Time DWI Offenders  
Percent of Population Recidivating at 3 Month Intevals





into those definitions, thereby eliminating around 7% of the cases. Half of those eliminated were mandated to and supposedly completed some form of assessment, but we found no 508 Form on the file. Less than 10% of those dropped from Figure 3 had a 508 Form identifying a handicap, but did not go through a treatment process. The remainder of those dropped were not mandated to assessment, but had a 508 Form present.

Figure 3 shows that at the end of three months, 5% of the non-compliant group had lapsed -- a much higher percentage than for the other three groups. By the end of the thirty month period, 28% of this group had lapsed. The 'Handicapped, treated' group appears to have a similar survival rate as the 'Not Mandated' and 'No Handicap' groups until the end of 600 days. This might indicate a useful time for some type of follow-up: perhaps a final wrap-up group or prelicensing meeting with licensing people.

The 'non-compliant' group in Figure 3, which reached a recidivism rate of 28% at 30 months, comprise, in Figures 4 and 5, approximately 60% of the category 'unknown'. Please note that those unknown groups appear more benign due to the temperance of the other 40% 'unknown'. Thirty percent are the 'Not Mandated' group from Figure 3, which reached a recidivism rate of 16% at 30 months. The remaining 10% are those with missing Form 508 omitted from Figure 3.

Figure 4 shows the survival of those identified as having a handicap vs. no handicap, as coded on a 508 Form, all other cases falling into the "unknown" category. The "No Handicap" group is the one least likely to recidivate, thus indicating that the assessment process is accurate at identifying the high risk group. Unfortunately, the apparently highest risk group has no 508 Form with DMV.

Figure 5 presents information on handicaps identified based on pre-trial/post trial assessment. The unknown group continued to have the highest failure rate. But it is interesting to note that those with a handicap identified pre-trial seem to do very well. The "Handicap Post" group seemed not to perform well, as might be expected.

**Limitations.** We have tried to limit our study design to as pure groups as

possible. It is unfortunate that in many cases the 310 Form did not explicitly indicate that substance abuse assessment was mandatory. In those instances "SAA and TE Required" trailers were not entered by DMV coders; and therefore, DMV relicensed those who had completed the other conditions of their probation. Many DWI offenders are unable for what ever reason to pay for the costs of their treatment. The courts permitted the treatment providers a recourse to collect their money by allowing them to delay provider sign off until payment was received. For this reason, the use of date treatment completed often includes time period between completion of treatment and subsequent payment for services. Thus, many of those persons for whom no 508 Form was received may have completed treatment but will have no 508 Form at DMV. Thus, part of the 'Unknown' group may be treated.

Furthermore, because the limited driving privilege [which is granted to 45% of those at level 5 (NC Driving while Impaired 1988 Facts )] was not factored into this study, it is not possible to be certain of "exposure" during the first year after conviction. Some portion of the population is not driving, some portion might be driving and charged simply with NOL (not investigated in this evaluation) and some are obviously driving and being arrested for DWI. The early (<1 year) recidivism percentages are probably underestimates since the population driving is probably smaller than the total population.

Since it was anticipated that identification of a substance abuse handicap would be dependent on previous DWI activity and BAC level at the time of arrest, no control is made for these factors, which have been shown to be associated with recidivism.

### **3.0 Summary:**

Our analysis shows that only 76% of those eligible for an assessment in North Carolina during 1988 were in fact mandated by the courts to receive one. Only 45% of those mandated had a completed 508 Form on file with DMV. Thus, 13,230(36%) of those eligible had a completed 508 Form.

Being convicted of DWI in a pilot county did not increase one's chance of being mandated to assessment by the courts. In the pilot counties, 75% of eligibles were mandated to have an assessment, and 39% of them had a 508 Form at DMV by November 1990.

Sixty percent of the assessed population were found to have a substance abuse handicap. Considering the subsequent driving behavior of the non-compliant (see Set 1) population (49% of the convictees), it might be safe to assume that more than 60% of them have a handicap.

A smaller percentage of handicaps were identified among people with accepted pretrial assessments (52%), compared with those people assessed post trial (61%). For the higher level (more serious) DWI offenses there might be an advantage to pretrial assessment: a pretrial assessment can be used as a mitigating factor in determining sentencing level. Most first-time DWI convictees are level 5 offenders.

There seems to be little difference in the subsequent driving behavior of people found not to have a handicap when assessed pretrial vs. post trial. Twelve percent recidivated by November 1990. For those found to have a handicap, however, 12% of those assessed pretrial recidivated, as opposed to 14% of those assessed post trial.

The striking finding of this study was the large number of people for whom no 508 Form had been received. In the pilot counties alone, there were 13,445 DWI convictees found guilty of a first-time DWI in 1988 and 1989. Of these, 17% were not mandated to have an assessment. Thirty percent of those who were mandated did not have a 508 Form completed. Since this group has been shown to be the most likely to recidivate, it is important to ensure that they not drop out of the remedial system. Clearly, this is the highest risk group. They shouldn't be driving and yet three months after their conviction, 4.8% have lapsed. By the end of the thirty month period, 28% of this group has lapsed. This is in contrast to a rate of 18% for all others combined. This group must contain a high proportion of people with a handicap. The compliant population identified as having a handicap does

recidivate at a higher rate than the non-handicapped population, but at a rate less than this high-risk group. This could be interpreted to mean that treatment does have a lessening effect on recidivism. One would hope that the same positive effect could benefit this high-risk group.

For mandated assessment, an absent 508 Form implies non-compliance somewhere. It would be helpful to know where the process stops. The 508 Form follows this track: court⇒assessment⇒treatment/ADETS⇒DHR⇒DMV. If a convictee never goes for an assessment, one can still hope that assessment and treatment might be beneficial. If, however, a convictee is not receptive to the treatment process and quits after a few sessions, the implications are entirely different. Perhaps the providers could report summary statistics regarding the number of assessments/treatment startups/treatment completions/treatment payments. This could better reveal the makeup of the population not completing the track. Perhaps assessing agencies could report those who do not schedule an appointment for an assessment within thirty days of the conviction.

Further investigation is needed of those people who are multiple offenders to see who in this high risk group is not lapsing. This could yield information helpful to the recidivating population.

The beneficial effect of assessment and treatment could be measured by examining the driving performance of those assessed during 1988 and 1989 in the pilot counties and their cohorts not assessed in the non-pilot counties. To further control for potentially confounding demographic parameters, a 'before' study could be done of those meeting eligibility criteria in the pilot counties during the two years prior to when the program was begun. This would help to assure that a similar population base was under investigation. This would also control for other confounding variables such as a change in the economy that might be affecting the entire driver pool.

It is encouraging to see that the assessors seem to be doing an effective job of identifying people with a handicap. Fewer of those treated recidivate than those not completing the 'track'. If it could be determined that those not completing the track

are not being assessed, one could conclude that they may be unaware of the help that is available to them rather than conclude they are all part of a 'core' group of people who do not desire to change. With a goal of helping as many people as possible, more information is needed about the 'unknown' group in order to devise the means to spread this beneficial approach of remediation to a larger population.

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## **Appendix 1**

### **Definitions**

## DEFINITIONS

**AOC310** - This is a form used by the courts to indicate impaired driving judgments suspended and it refers to the form issued by the administrative office of the courts and utilized to document conditions of a suspended sentence for impaired driving. Included on this form are special conditions regarding substance abuse assessments, treatment or education.

**DMH FORM 508** - This is the four-part form which is utilized in documenting the offender's completion of the DWI substance abuse assessment treatment and/or compliance or non-compliance of ADETS as appropriate.

**DWI Substance Abuse Assessment** - This is a service provided to persons charged with or convicted of DWI to determine the presence or absence of a substance abuse handicap. The assessment involves a clinical interview as well as the use of a standardized test.

**General deterrence** - the threat that a particular sanction may deter drivers in general from drinking and driving.

**Incapacitation** - making it illegal for the DWI convictee to drive, thereby reducing the likelihood of driving while impaired during the suspension period.

**Recidivism** - a relapse in drinking driving behavior.

**Remediation** - Any form of interaction designed to bring about change in drinking driving behavior. These include education, counseling and



treatment).

**Specific Deterrence** - the unpleasantness associated with the arrest, court related activity and sanctions may deter a person arrested and/or convicted of DWI to deter from future drinking and driving behavior.

**Substance Abuse Handicap** - This indicates the degree of dysfunction directly related to the recurring use/abuse of an impairing substance.

**Treatment** - It is the process of affording the client a reasonable chance to acquire and maintain those skills necessary to cope with a particular disability. A continuum of services should be made available in order to provide the most appropriate level of care. Treatment does not guarantee each client a cure, but does guarantee an effort to accomplish the goals set forth in each client's treatment plan.