

North Carolina Department of Health and Human Services  
Division of Mental Health, Developmental Disabilities and Substance Abuse Services

## NC-TOPPS

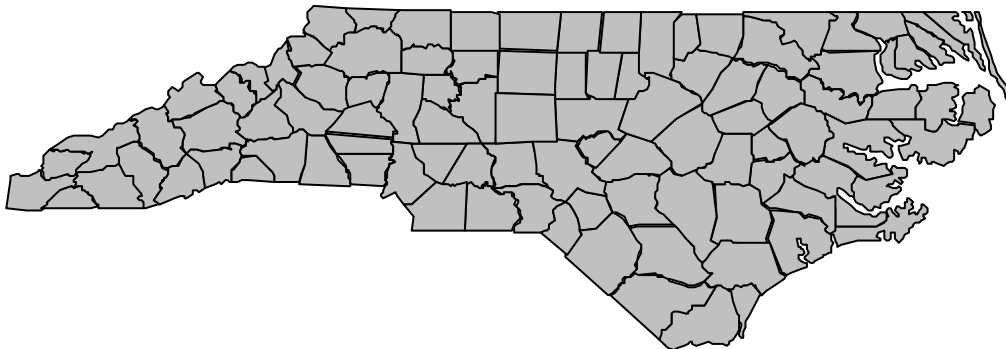
North Carolina Treatment Outcomes and Program Performance System

### Adolescent (12-17) Substance Abuse Consumers Statewide

**Initial Interview Matched to 3-Month Update or Completed Treatment Interview  
January 1, 2006 through December 31, 2006**

Note: Includes matched Update and Completed Treatment Interviews through June 2007.

Purpose of Report: To assess behavior for consumers progressing in treatment or who have been discharged as "completed treatment." Consumers are included who have at least one month but not more than six months of treatment when discharged or when the 3-month interview was conducted.



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Community Policy Management Section  
DMH/DD/SAS  
NC DHHS

July 2007



## Matched Initial/Update Report

This feedback report is available to Local Management Entities, providers and the NC Division of Mental Health, Developmental Disabilities and Substance Abuse Services on data gathered for substance abuse consumers through the North Carolina Treatment Outcomes and Program Performance System (NC-TOPPS). This report provides information gathered through the online NC-TOPPS Initial and Update (or Discharge) Interviews. It provides seven or eight pages of charts, tables and text information on substance abuse consumers' demographic characteristics, substance use, symptoms, behaviors and activities, service needs, supports and barriers, family and housing issues and outcome measures collected through an interview with the consumer during treatment. It should be noted that not every data element or response category on the NC-TOPPS Assessments are displayed in this report.

Throughout this report, the word "Update" will be used to also refer to the Completed Treatment interview.

Please note that the charts and tables may not always match online queries that you may conduct. The data used in these reports will not necessarily reflect the same points in time. In addition, NDRI who produces these reports cleans the data and removes apparent duplicates prior to preparing the tables and charts.

Additional information about NC-TOPPS and pdf copies of the online NC-TOPPS interview are located at:

<http://nctopps.ncdmh.net/>

## General Information on Interpreting Tables

<b>Types of Statistics</b>	<ul style="list-style-type: none"> <li>▶ A <u>count</u> shows the actual number (often designated by the letter “n” ) of clients.</li> <li>▶ A <u>percentage</u> is the number of clients with a characteristic or behavior divided by all the clients in the group of interest multiplied by 100. Percentages will be designated with a % sign next to the number.</li> <li>▶ An <u>average</u> is the sum of a set of numbers divided by the number of numbers in the set. When a number in a cell is an average, the word average will appear in the row descriptor.</li> <li>▶ A <u>median</u> is the middle number in a set of numbers, arranged from lowest to highest. For example, the median for the following numbers: 9, 12, 12, 15, 17, 20, <b>22</b>, 23, 25, 28, 31, 35, 62 is the bolded number, 22. Medians are important measures of central tendency, especially when a mean may be skewed by a very high or very low value. When a number in a cell is a median, the word median will appear in the row descriptor.</li> </ul>
<b>Missing Data</b>	For many of the NC-TOPPS forms received, a particular item or question may have been left blank. In calculating the means, medians, and percentages in cells of questionnaire items, this missing data is excluded from the calculation. For example, program X may have submitted 50 interviews but in 2 of them, gender was left blank. When the percent of males is calculated, the 25 males are shown as 52% (25/48*100).
<b>Denominator</b>	The denominator for nearly all percentages is the number of cases shown on the bottom left of the page minus item missing data. All exceptions to this general rule are <b>specifically noted</b> with appropriate text in the graphic or table. This text will state which group is included or excluded from the denominator, such as "of those in the labor force" or "of those with children."
<b>Multiple Response</b>	“Multiple response” indicates a “mark all that apply” type question in which more than one response to a question is allowed. The total of responses may add to greater than 100%. Examples are health insurance or target population. This is in contrast to items such as gender where only a single response is allowed.
<b>Time periods of behaviors in Assessments</b>	Behaviors are measured at several time periods including the past year, the past 6-months, the past 3-months, the past month, or since last interview. For the Initial Assessments, the time periods can generally be construed to mean the time period before treatment begins. For the Update Assessments the time is measured from the time at which the interview occurs back one month, 3-months, or since the last interview.
<b>Definitions of terms</b>	The Appendix at the end of the report gives definitions of acronyms, abbreviations, and other terms used in this report.
<b>Notes:</b>	Mental Health consumers who are also being treated for substance abuse (co-occurring) are included in this report.

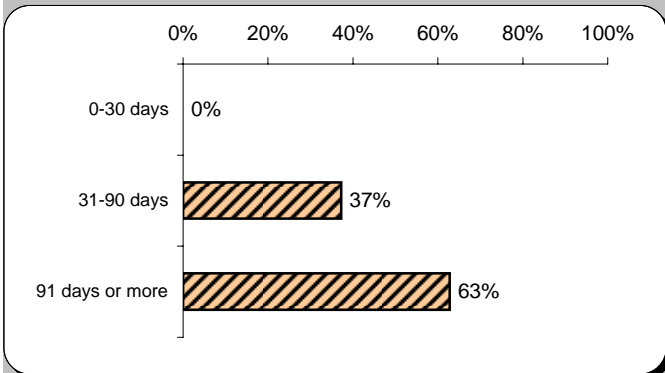
This table shows the number of matched consumers in this report by LME. This is the number of Initials conducted during the calendar year 2006 for whom there was a 3-month update or a discharge completed treatment interview conducted by June 30, 2007.

<b>LME</b>	<b>Number</b>
Alamance-Caswell-Rockingham	15
Albemarle	3
Catawba	21
CenterPoint	23
Crossroads	1
Cumberland	15
Durham	9
Eastpointe	1
Edgecombe-Nash	8
Five County	10
Foothills	13
Guilford	2
Johnston	5
Mecklenburg	26
Neuse	6
New River	3
Onslow-Carteret	7
Orange-Person-Chatham	7
Pathways	5
Piedmont	0
Pitt	24
Roanoke-Chowan	3
Sandhills	13
Smoky Mountain	1
Southeastern Center	7
Southeastern Regional	20
Tideland	0
Wake	21
Western Highlands	20
Wilson-Greene	4
<b>Total</b>	<b>293</b>

**Part I**

Part I of this report includes descriptive information about the Initial Interview Matched to 3-Month Update or Completed Treatment Interview consumers. This information on the types of consumers, time in treatment, types of services needed and being rendered helps in understanding the behavioral changes shown in Part II and Part III of this report.

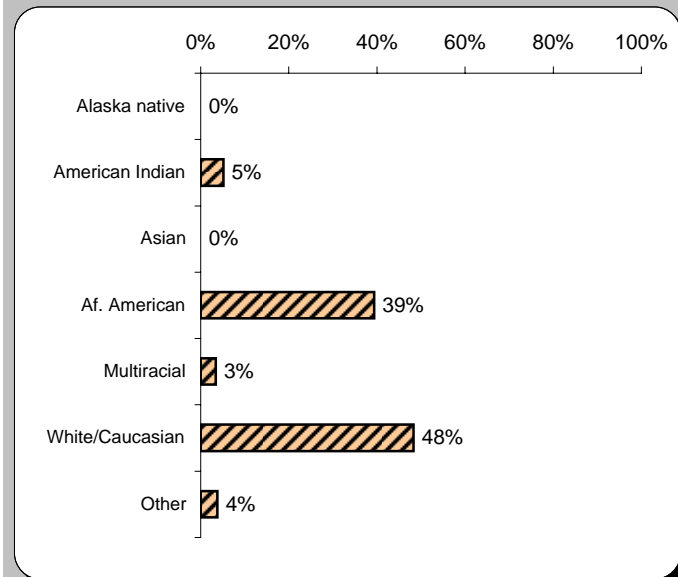
**1-1: Days Between Initial and Update/Completed Treatment Interview**



**1-2: Gender**

Among Statewide consumers, 78% are male, and 22% are female.

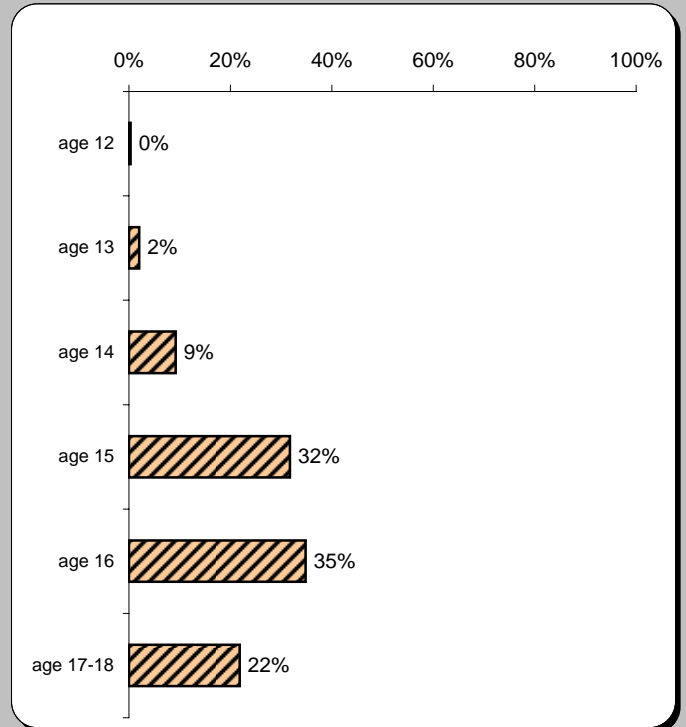
**1-3: Race/Ethnicity**



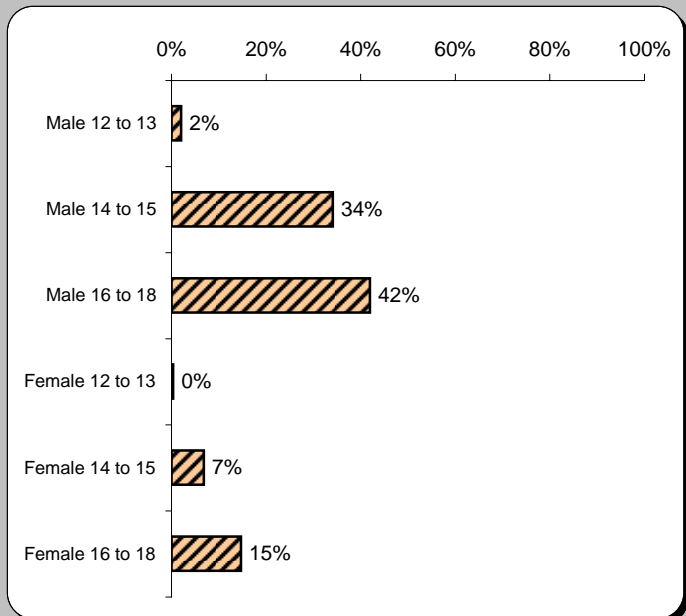
**1-4: Hispanic**

5% of Statewide consumers are Hispanic.

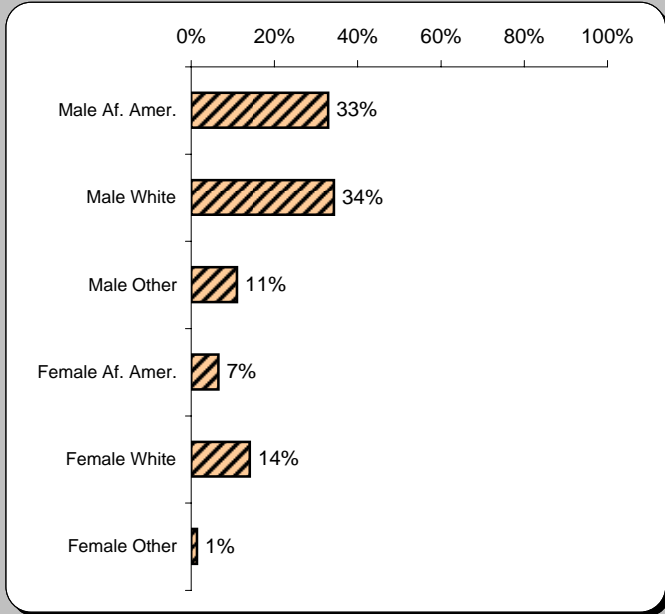
**1-5: Age Group**



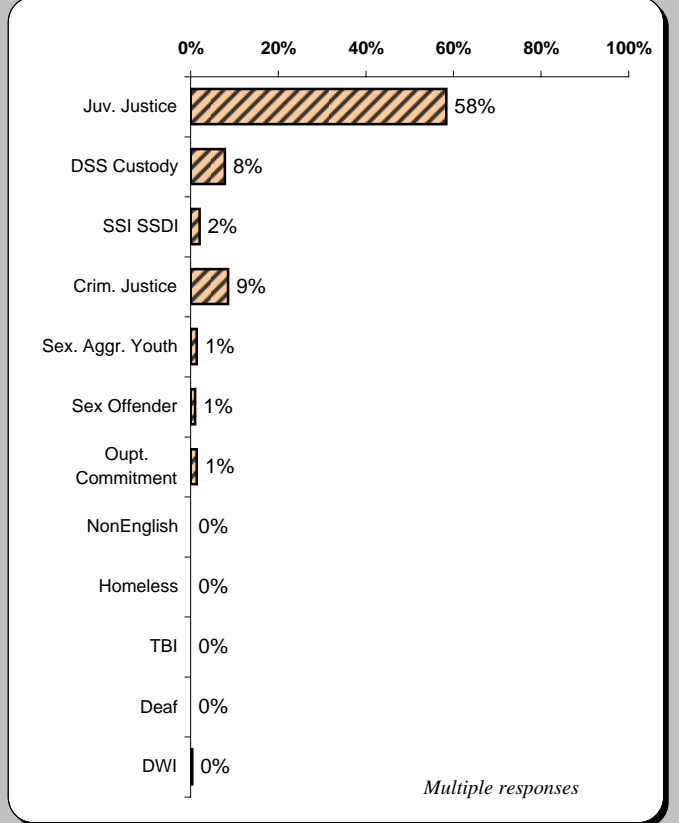
**1-6: Gender and Age**



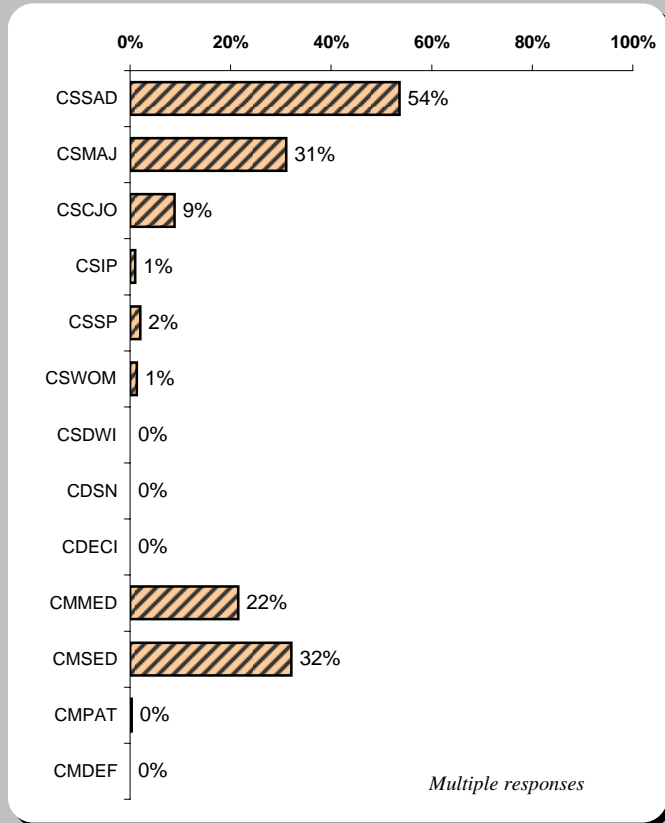
**2-1: Gender and Ethnicity**



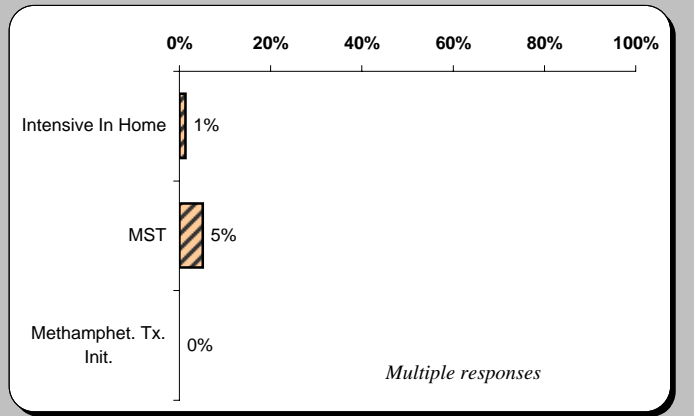
**2-3: Special Populations at Update**



**2-2: IPRS Target Populations at Update**



**2-4: Special Programs at Update**



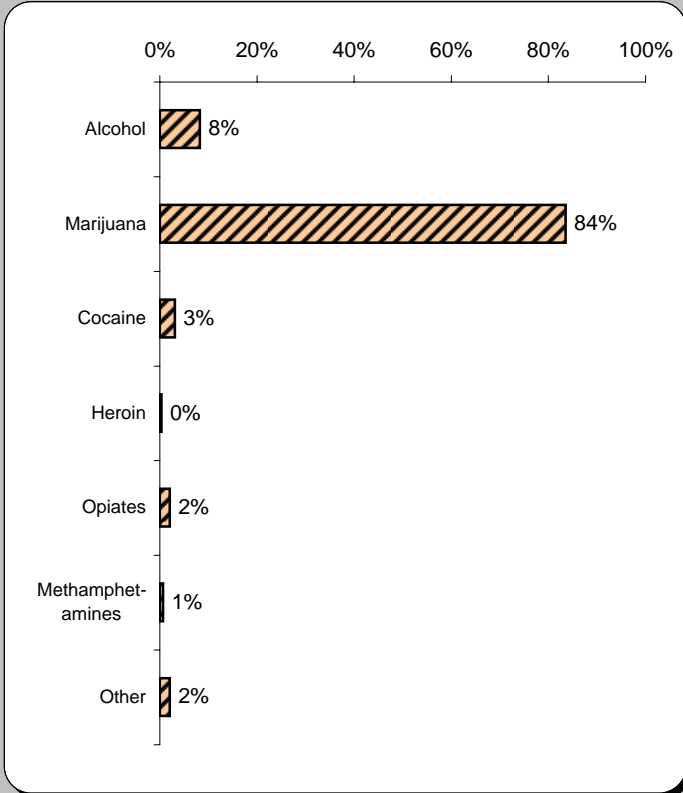
Note: See appendix for definitions of acronyms used on this page.

Number of matched Initial/Update Interviews: Statewide = 293

**3-1: DSM-IV Diagnoses at Update**

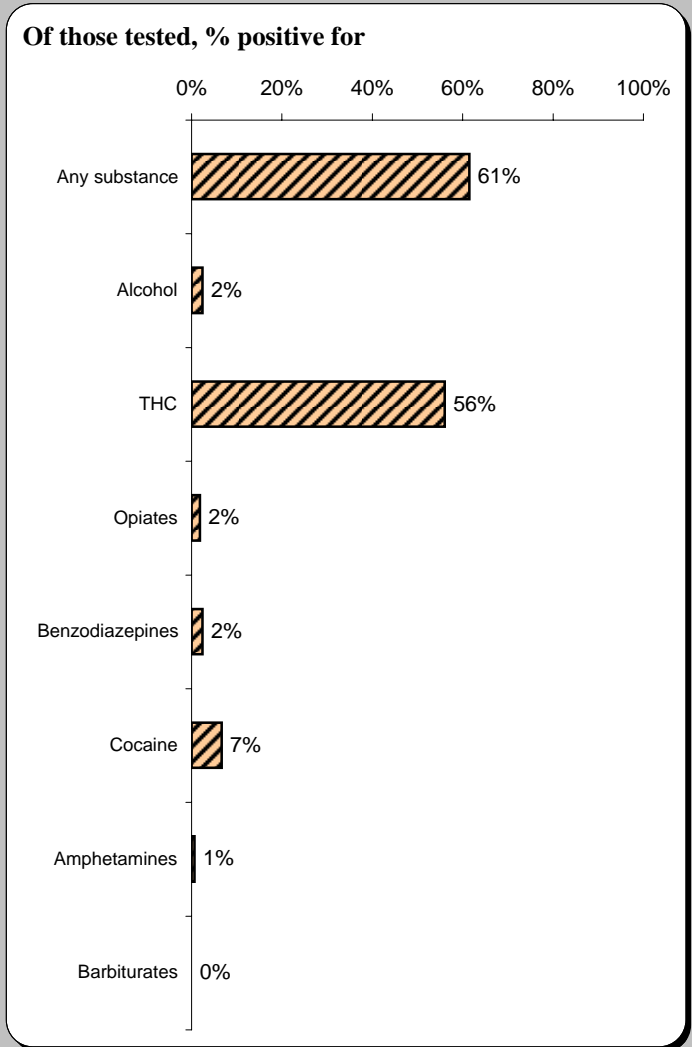
Diagnostic Category	
Drug dependence	24%
Alcohol dependence	2%
Drug abuse	72%
Alcohol abuse	21%
Oppositional defiant disorder	27%
Conduct disorder	18%
ADD	14%
Bipolar disorder	4%
Major depression	5%
Disruptive behavior	6%
PTSD	2%

**3-2: Primary Substance at Initial Interview**



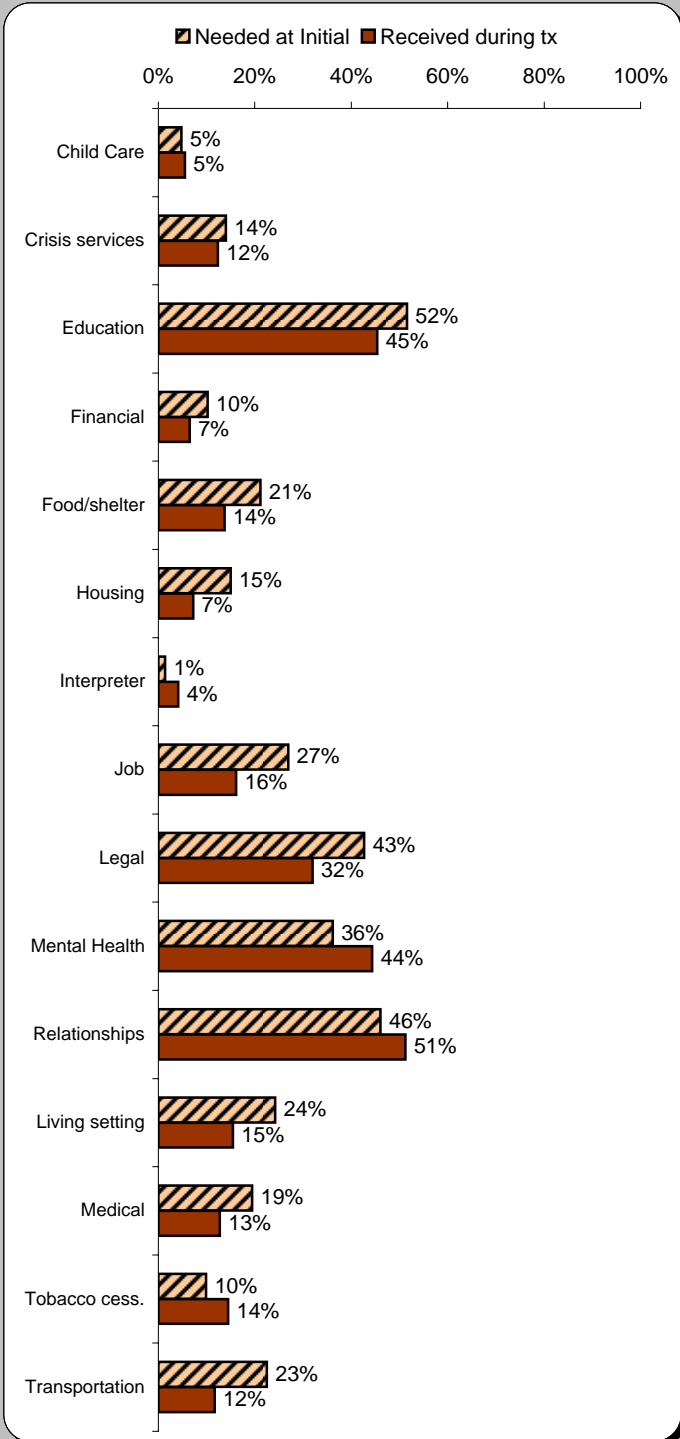
**3-3: Drug Test Results**

Number of consumers tested: 166  
 Percent of consumers tested: 57%  
 Average # of tests for each consumer tested: 4

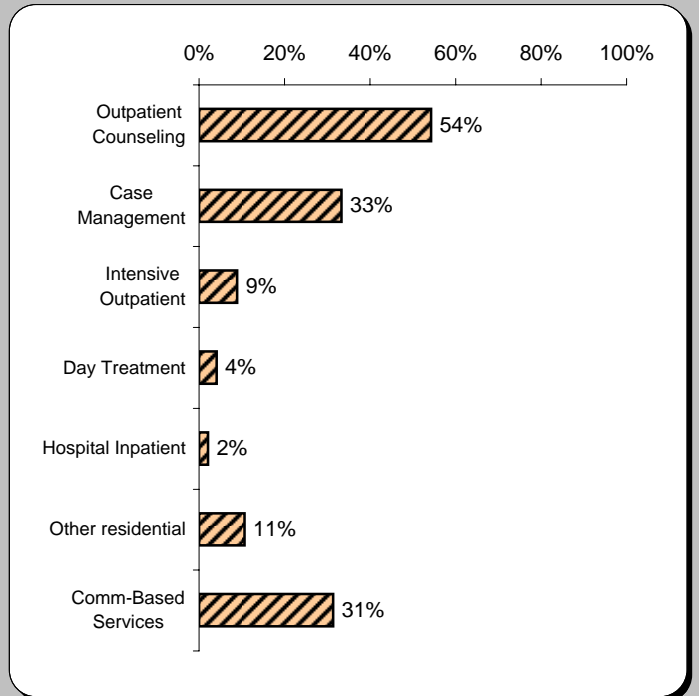


**4-1: Services Needed and Received**

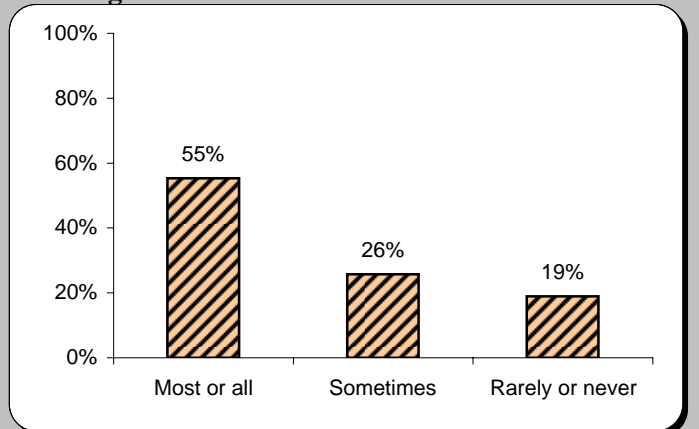
This chart compares information from the Initial Interview about whether a service area is very important to information from the Update about whether the service was received during treatment.



**4-2: Types of SA Treatment Services Rendered Since Last Interview**



**4-3: Attendance at Scheduled Treatment Sessions, During Treatment Since Last Interview**



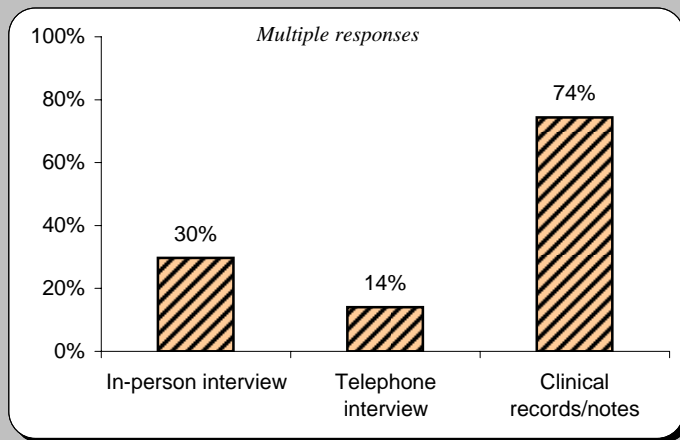
**4-4: Family Involvement with Treatment Services and Person-Centered Planning Since the Last Interview**

Family Involvement with...	Percentage (%)
Services and/or planning	84%
Treatment Services	80%
Person-centered planning	48%

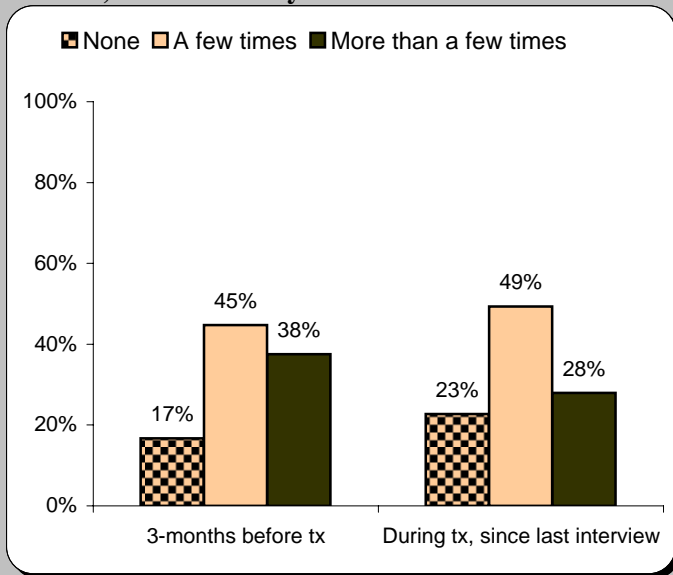
**Part II**

Charts and Graphs 5-2 thru 6-6 show consumers' daily activities, living situation, substance use, and arrests. Some graphs and tables compare information collected at the Initial with information collected in the Update or completed treatment interview. Initial Interview information is designed to be collected by means of a personal interview with the consumer. The preferred method for completing the Update items in this section is a personal interview; however, a telephone interview, clinical records and/or notes can also be used. The following chart shows how it was completed for the current group of consumers:

**5-1 Data Collection Method**



**5-2: How Often Problems Interfere with Work, School, or Other Daily Activities**



Number of matched Initial/Update Interviews: Statewide = 293

**5-3: Enrollment in Academic Program**

Enrolled in....	Initial Interview	Update Interview
Any academic program	81%	74%
Academic School (K-12)	60%	52%
Alternative Learning Program(ALP)	18%	16%
Technical or Vocational School	1%	1%
GED	3%	4%

**5-4: Students in K-12 who Received Mostly A's, B's, and C's at Most Recent Grading Period**

Of those in K-12	Initial Interview	Update Interview
Received mostly A's, B's, and C's	55%	66%

**5-5: School Expulsion, Suspension and Truancy**

Of those enrolled in K-12 who missed school due to	3-months before tx	Since last interview
Expulsion	8%	8%
Suspension	51%	24%
Truancy	30%	16%

**5-6: Justice System Involvement**

8% of Statewide consumers were under adult correctional supervision and 60% were under the juvenile correctional supervision at the time of the second Interview.

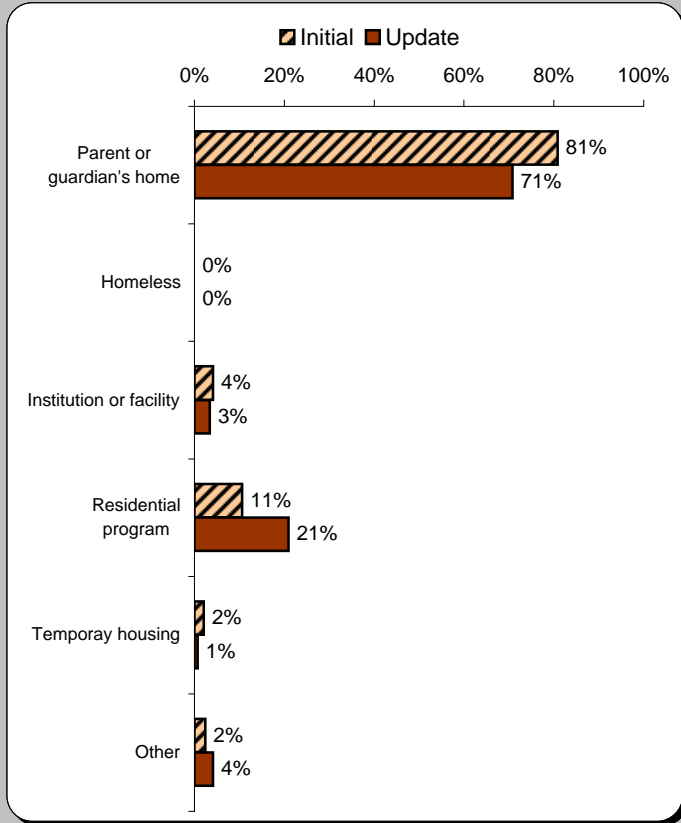
**5-7: Arrested or In Trouble with the Law**

	6-months before tx	During tx since last interview
In trouble with the law	64%	21%
Any arrest	46%	7%
Misdemeanor arrest	42%	4%
Felony arrest	12%	3%

**5-8: Carried Weapon Such as Knife or Gun**

	3-months before tx	During tx since last interview
Carried knife or gun	20%	10%

**6-1: Where Lived**



**6-2: Number Living in Special Circumstances**

Where lived most of time	3 Months before Tx	Since last interview
Homeless sheltered	0	0
Homeless unsheltered	0	0
Foster home	2	0
Therapeutic foster home	7	4
Level III Group Home	12	37
Level IV Group Home	4	3
Halfway house	0	0
State residential treatment center	2	0
SA residential treatment facility	4	14
Psychiatric residential treatment facility	3	2
<b>Total living in special circumstances</b>	<b>34</b>	<b>60</b>
--Of the total, number in home community	12	17

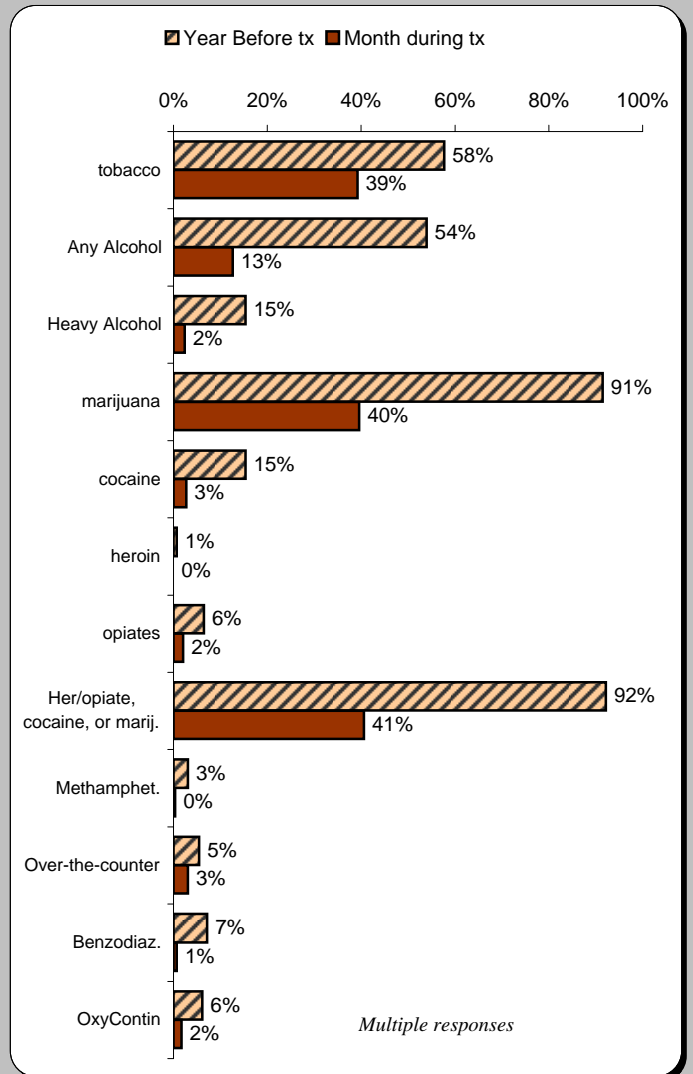
**6-3: Have Own Children**

5% of Statewide consumers have children of their own.

**6-4: Times Moved Residences Since Last Interview**

None	73%
Once	21%
More than once	6%

**6-5: Substance Use in Past Month**



**6-6: Cigarette Smoking**

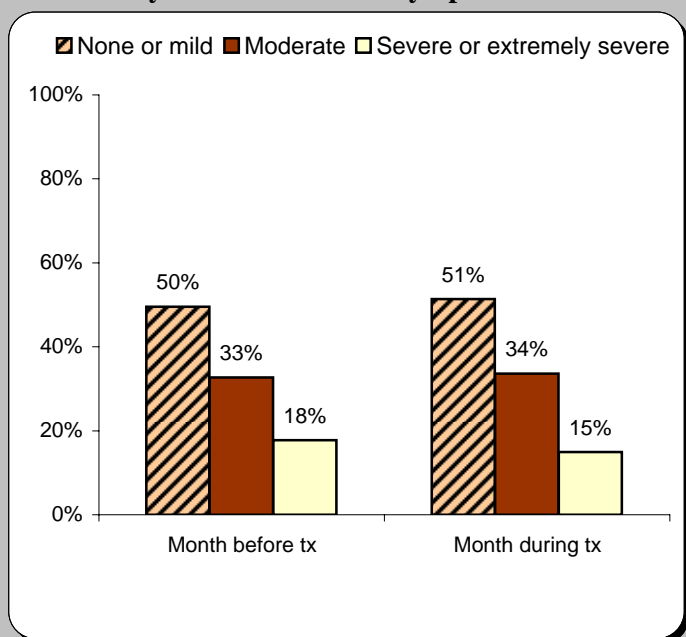
	Month before tx	Month during tx
Smoke cigarettes	51%	49%
Smoke a pack a day or more	9%	5%

### Part III

Charts and Graphs 7-1 thru 8-3 compare Initial Interview information with information from Section III of the Update Interview. Section III has questions that must be answered by the consumer. If the consumer is not available, these items are skipped and left blank. Therefore, these items often represent the responses of fewer consumers.

**\* 107 of the 293 (37%) of Statewide Update Interview included a personal interview with the consumer.**

#### 7-1: Severity of Mental Health Symptoms



#### 7-2: Psychotropic Medications at Update

34% of Statewide consumers have a current prescription for psychotropic medications. Of those, 78% take their medication as prescribed all or most of the time.

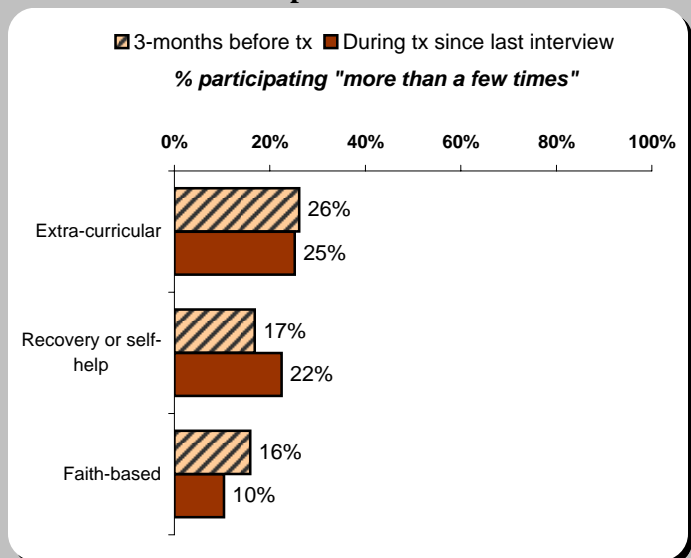
#### 7-3: Experienced Violence

	3 Months before tx	During tx, since last interview
Physical violence	16%	21%
Sexual violence	1%	15%

#### 7-4: Behavior Problems and Symptoms

	3 Months before tx	During tx, since last interview
Suicidal thoughts	21%	16%
Tried to hurt or cause self pain	15%	14%
Risky Sexual activity	10%	4%
Hit/physically hurt another person	36%	16%

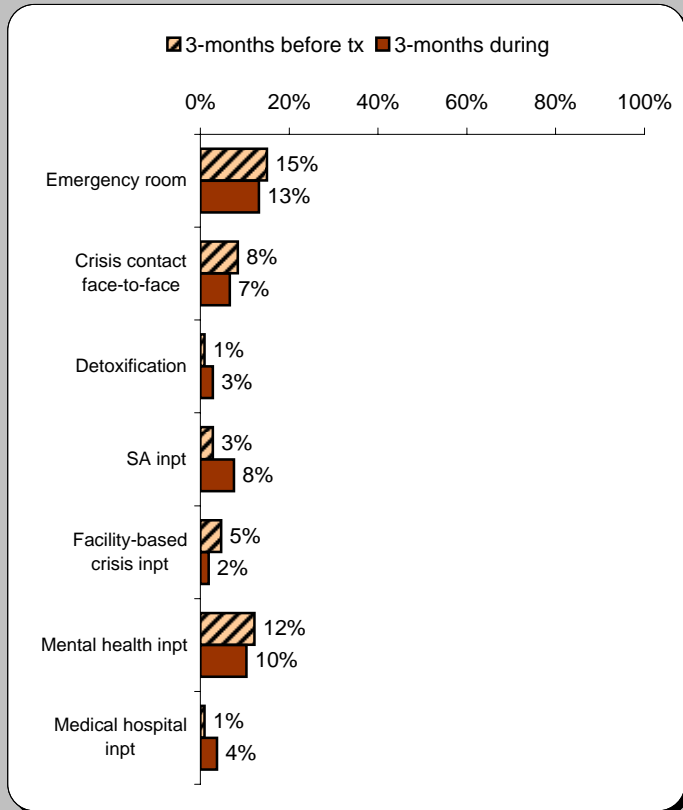
#### 7-5: Consumer Participation in Positive Activities



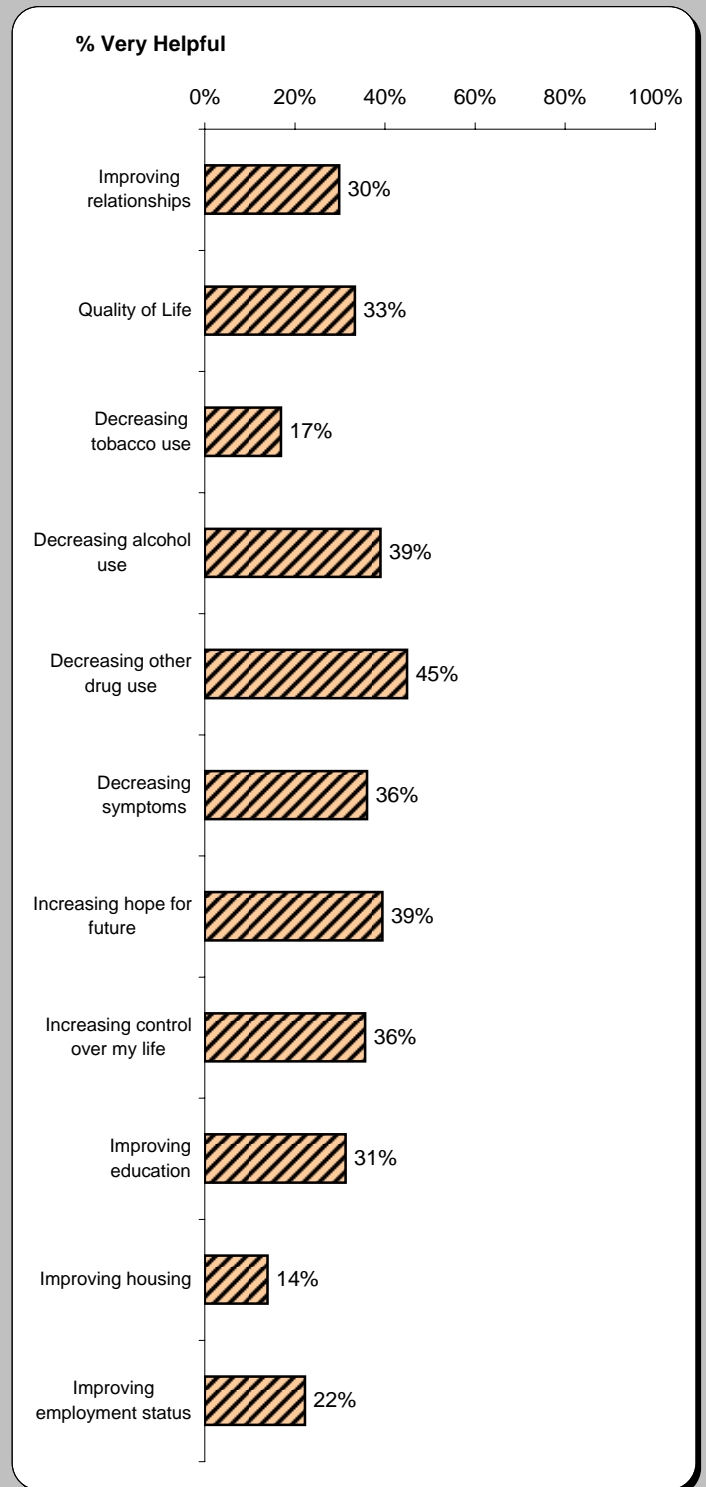
#### 7-6: Public or Private Health Care Provider

Of the Statewide consumers, 83% have an identified primary health care provider and 72% have seen their provider in the past year.

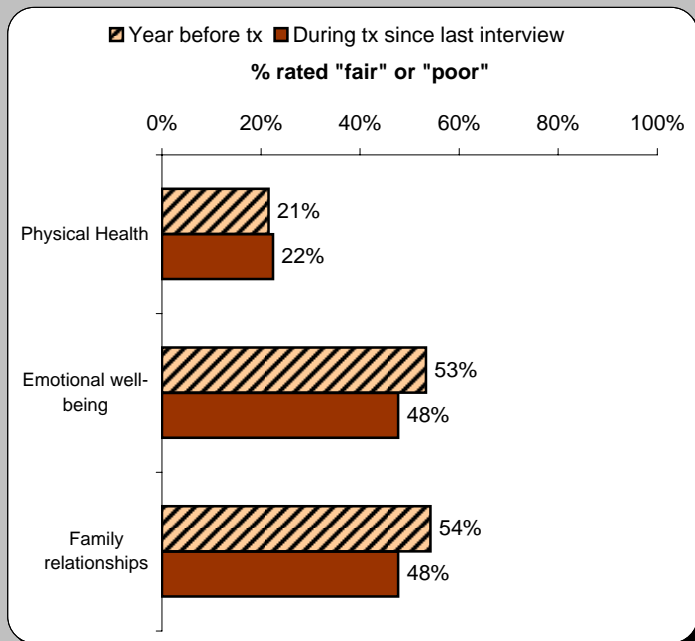
**8-1: Health Care Received**



**8-3: Helpfulness of Program Services  
 (of those for whom the service is applicable)**



**8-2: Consumer Ratings on Quality of Life**





**Appendix**  
**Statewide Adolescent Substance Abuse Consumers**  
**Acronyms and Abbreviations used in this Report**

<b>Acronym or Term</b>	<b>Definition</b>
ACT	Assertive Community Treatment
ADMRI	Target population: Adult with both mental retardation and mental illness
ADSN	Target population: Adult with Developmental Disability
Af American	African American
AMOLM	Target population: Adult consumer receiving Olmstead services
AMPAT	Target population: Adult MH consumer who is homeless (PATH program).
AMSMI	Target population: Adult with serious mental illness
AMSPM	Target population: Adult with serious and persistent mental illness
AOD	Alcohol or other drugs
ASCDR	Target population: Adult SA injection drug user at risk for communicable disease
ASCJO	Target population: Adult SA who is a criminal justice offender
ASDHH	Target population: Adult SA consumer who is deaf or hard of hearing
ASDSS	Target population: Adult SA consumer who is involved with DSS
ASDWI	Target population: Adult SA consumer who is receiving DWI offender treatment
ASHMT	Target population: Adult with a chronic substance abuse disorder
ASHOM	Target population: Adult SA consumer who is homeless
ASWOM	Target population: Adult SA consumer who is pregnant or has dependent children
Assessmt	Assessment
Benzodiaz.	Benzodiazepine(s)
Buprenorph.	Buprenorphine
CASAWORKS	Residential program initiative designed to help substance abusing women
Cauc.	Caucasian
Crim. Justice or CJ	Criminal Justice
CST	Community support team
Detox	Detoxification
DSM	Diagnostic and Statistical Manual (Edition IV)
DSS	Division of Social Services
DWI	Driving while Impaired
GED	General Education Diploma (High School Equivalency)
H or I felon	Class H or I felon (controlled substance) who applied for food stamps
Her	Heroin
HS	High School
Inpt.	Inpatient
Marij.	Marijuana
Med. Mgmt.	Psychiatric medication management services
Methamphet.	Methamphetamine(s)
Methamphet. Tx. Init.	Methamphetamine Treatment Initiative
MH	Mental Health
Outpt. Commitment	Outpatient Commitment
PSR	Psychosocial rehabilitation
PTSD	Post-traumatic Stress disorder
SA	Substance Abuse or Substance Abuser
SSI/SSDI	Supplemental Security Income or Social Security Disability Insurance
TASC	Treatment Accountability for Safer Communities
TBI	Traumatic brain injury
Tx	Treatment
Work First	DSS program for temporary assistance to needy families

Note; Refer to web page for more complete definitions of target populations:

<http://www.dhhs.state.nc.us/mhdd/sas>