

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

## NC-TOPPS

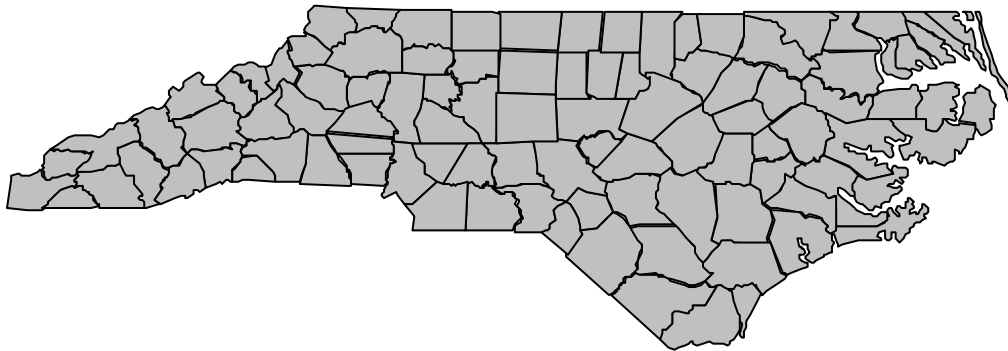
North Carolina Treatment Outcomes and Program Performance System

### Adolescent (12-17) Mental Health Consumers Statewide

#### Initial Interviews Matched to 3-Month Interviews

**January 1, 2006 through December 31, 2006**

Note: Includes matching Update Interviews through June 2007.



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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 mental health 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 Interviews. It provides six or seven pages of charts, tables and text information on consumers' demographic characteristics, 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 Interviews are displayed in this report.

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 Interviews 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 assessments but in 2 of the assessments, 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 measured</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 Interviews, the time periods can generally be construed to mean the time period before treatment begins. For the Update Interviews 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.

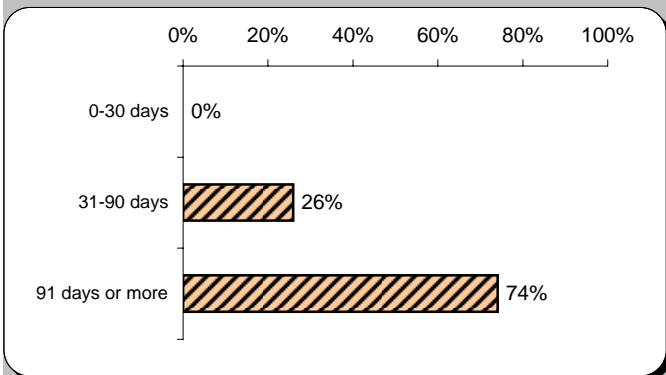
This table shows the number of matched consumers in this report by LME. This is the number of Initials conducted during the calendar year 2006 for whom there was a 3-month update interview conducted by June 30, 2007.

<b>LME</b>	<b>Number</b>
Alamance-Caswell-Rockingham	50
Albemarle	96
Catawba	118
CenterPoint	194
Crossroads	32
Cumberland	46
Durham	143
Eastpointe	62
Edgecombe-Nash	59
Five County	235
Foothills	31
Guilford	188
Johnston	137
Mecklenburg	170
Neuse	58
New River	22
Onslow-Carteret	46
Orange-Person-Chatham	66
Pathways	196
Piedmont	21
Pitt	70
Roanoke-Chowan	75
Sandhills	136
Smoky Mountain	20
Southeastern Center	254
Southeastern Regional	202
Tideland	26
Wake	289
Western Highlands	132
Wilson-Greene	64
<b>Total</b>	<b>3,238</b>

## Part I

Part I of this report includes descriptive information about the Initial Interviews Matched to 3-Month Interviews 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.

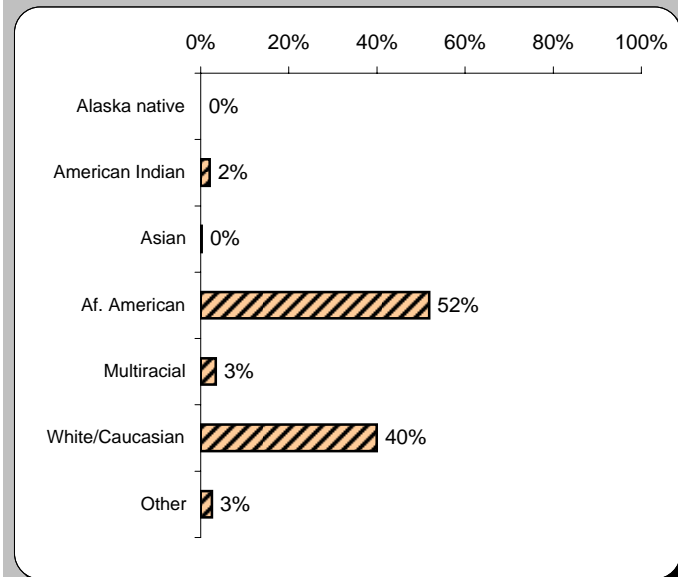
### 1-1: Days Between Initial and Update Interview



### 1-2: Gender

Among Statewide consumers, 62% are male, and 38% are female.

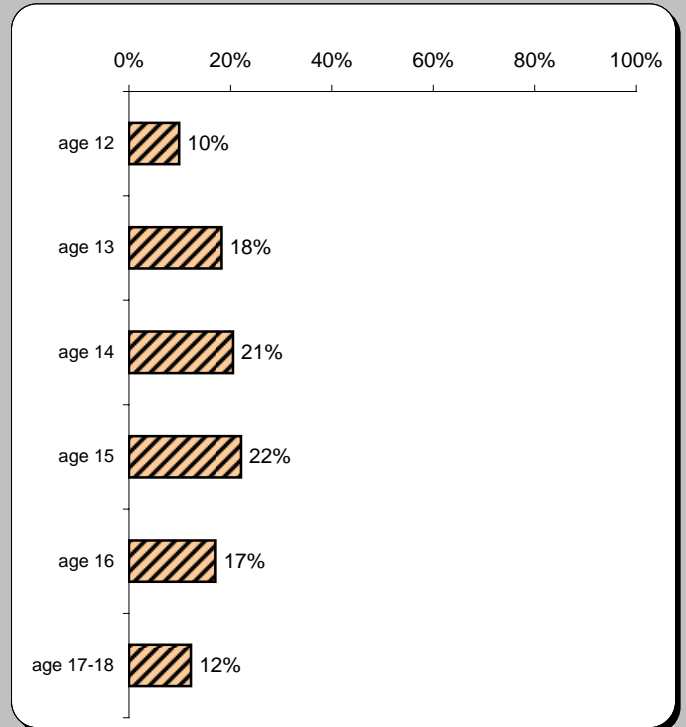
### 1-3: Race/Ethnicity



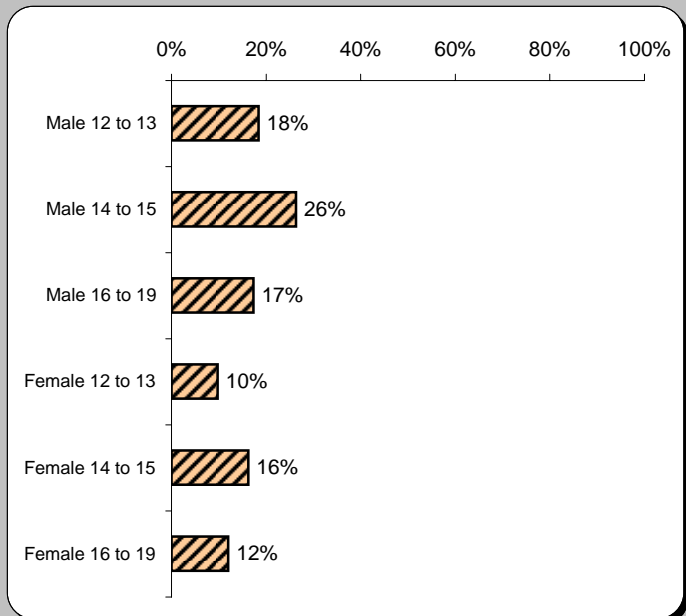
### 1-4: Hispanic

4% of Statewide consumers are Hispanic.

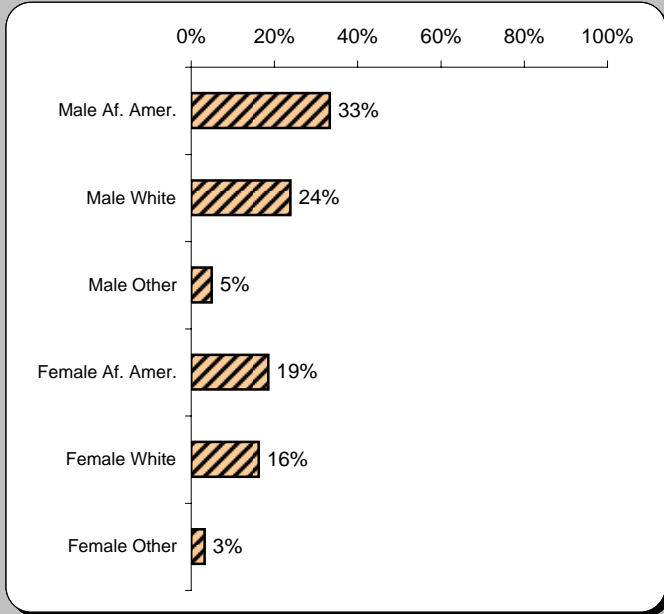
### 1-5: Age Group



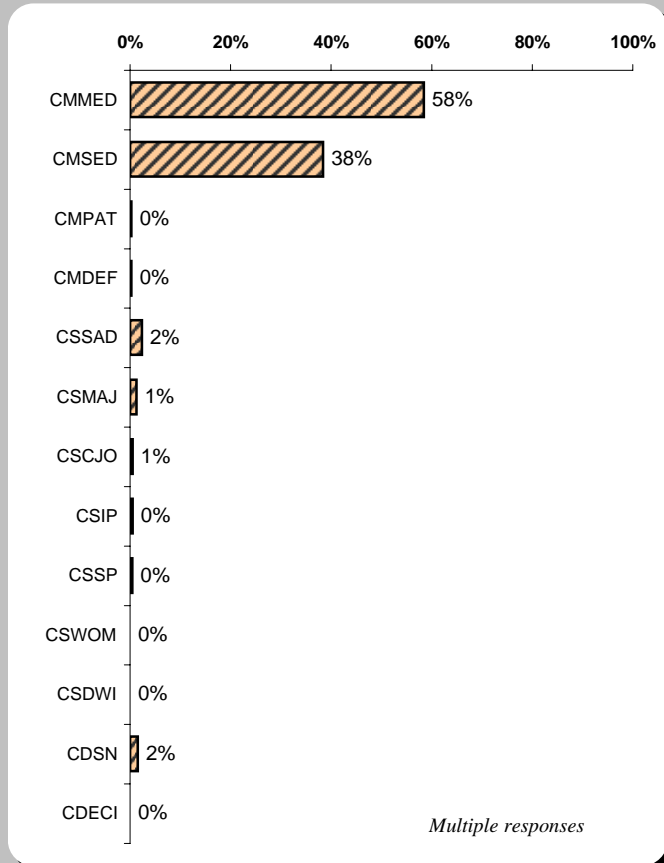
### 1-6: Gender and Age



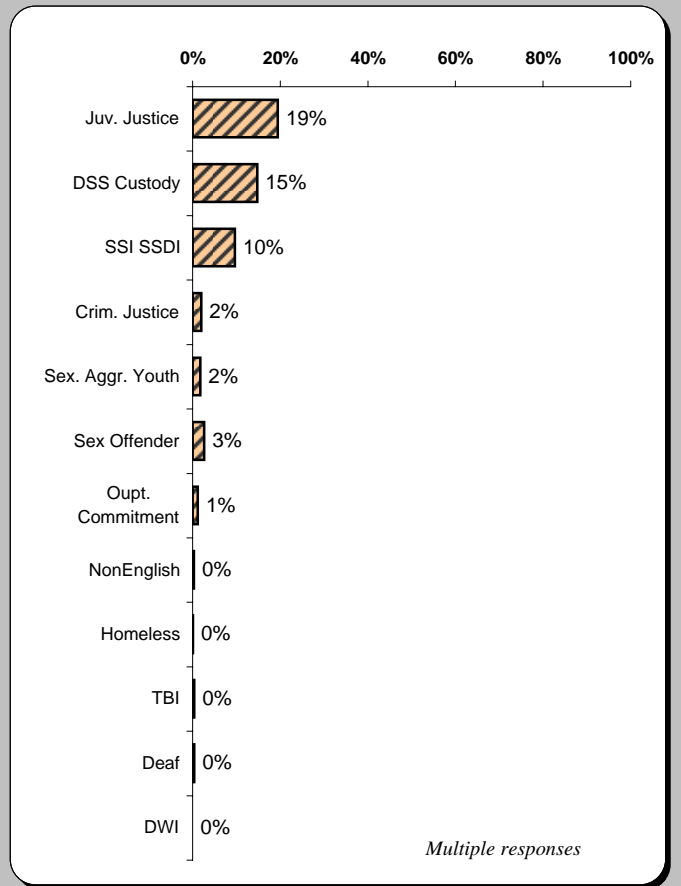
**2-1: Gender and Ethnicity**



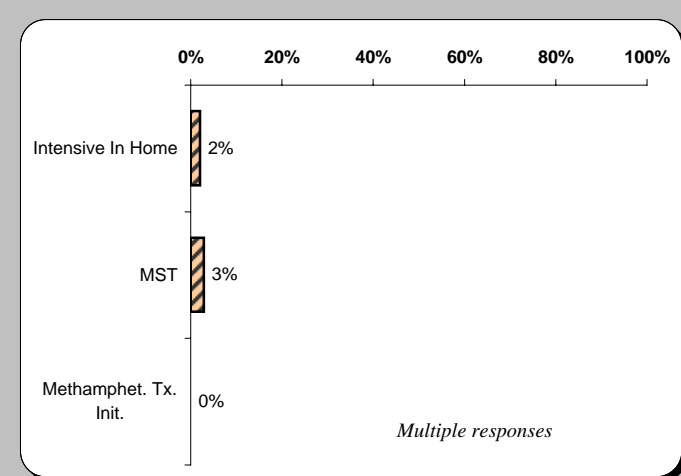
**2-2: IPRS Target Populations at Update**



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



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

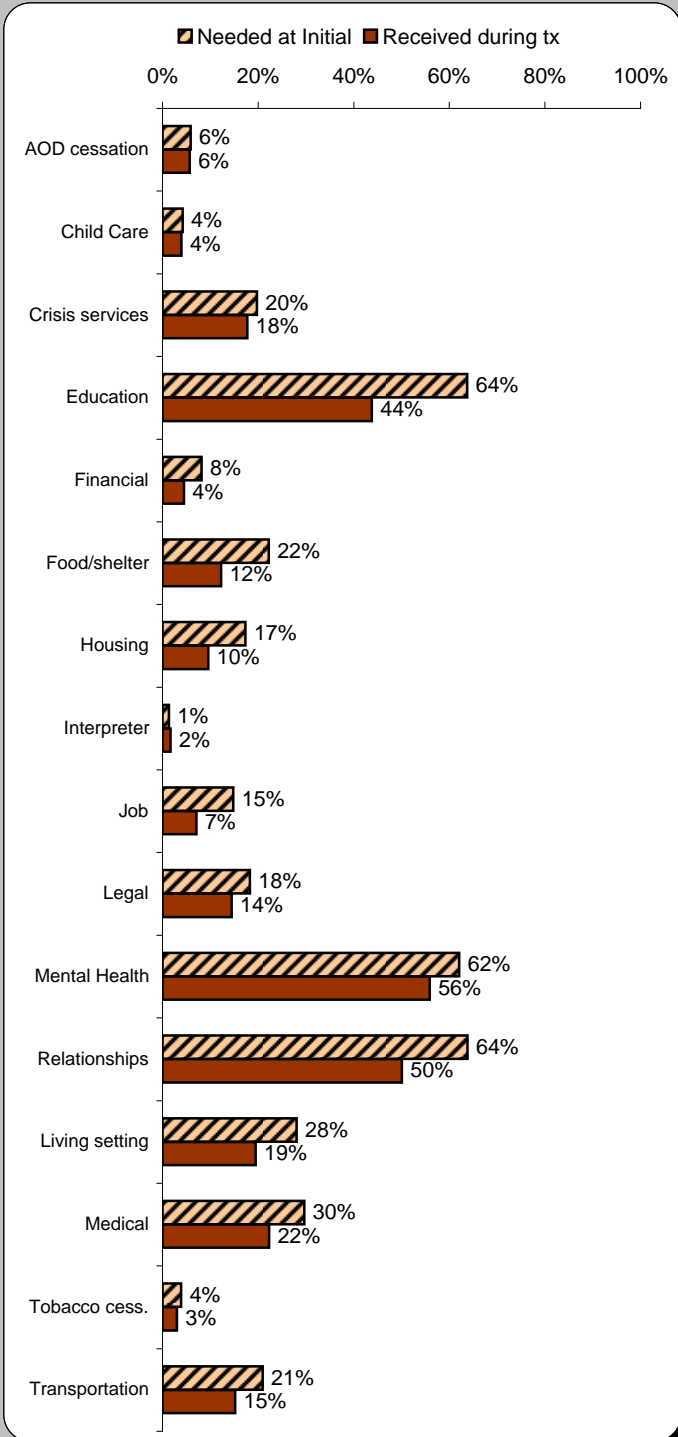


Note: See appendix for definitions of acronyms used on this page.

Number of matched Initial/Update Interviews: Statewide = 3,238

### 3-1: 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 Interview about whether the service was received during treatment.

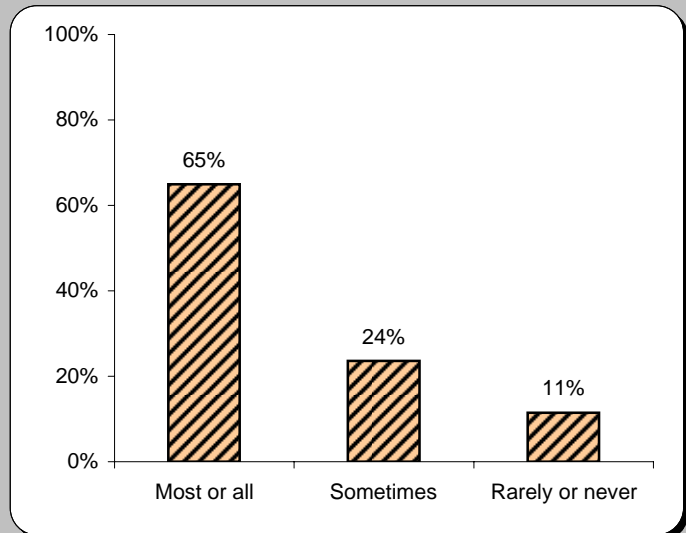


### 3-2: DSM-IV Diagnoses at Update

Diagnostic Category	Percentage
ADD	43%
Oppositional defiant disorder	40%
Major depression	14%
Conduct disorder	13%
Disruptive behavior	10%
Bipolar disorder	8%
PTSD	7%
Anxiety disorder	6%
Drug abuse	6%

Only most common diagnoses shown. Multiple response

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



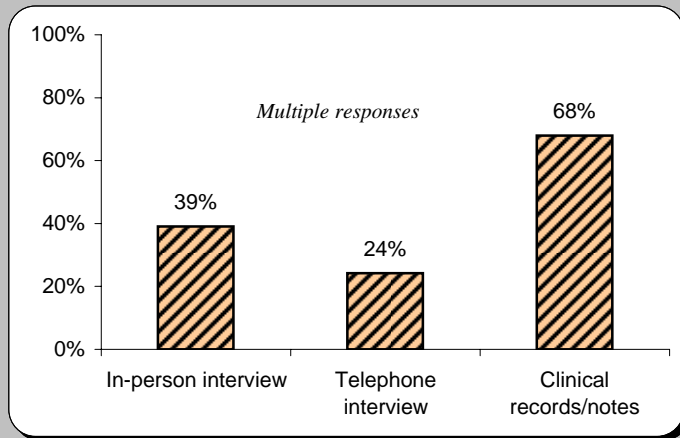
### 3-4: Family Involvement with Treatment Services and Person-Centered Planning Since the Last Interview

Family Involvement with...	Percentage
Services and/or planning	92%
Treatment Services	89%
Person-centered planning	61%

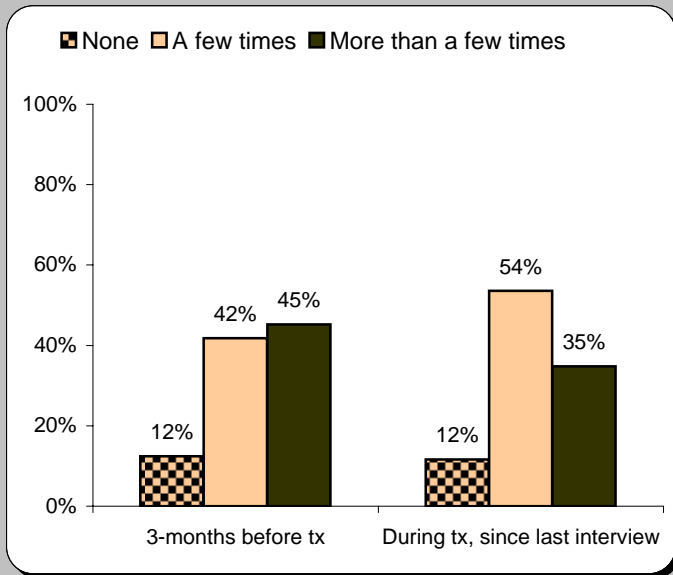
## Part II

Charts and Graphs 4-2 thru 5-9 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. Initial 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:

### 4-1 Update Data Collection Method



### 4-2: How Often Problems Interfere with Work, School, or Other Daily Activities



Number of matched Initial/Update Interviews: Statewide = 3,238

### 4-3: Enrollment in Academic Program

Enrolled in....	Initial Interview	Update Interview
Any academic program	86%	89%
Academic School (K-12)	75%	76%
Alternative Learning Program(ALP)	12%	12%
Technical or Vocational School	0%	0%
GED	1%	1%

### 4-4: 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	70%	73%

### 4-5: School Expulsion, Suspension and Truancy

Of those enrolled in K-12 who missed school due to	3-months before tx	Since last interview
Expulsion	4%	3%
Suspension	35%	23%
Truancy	13%	7%

### 4-6: Justice System Involvement

2% of Statewide consumers were under adult correctional supervision and 21% were under the juvenile correctional supervision at the time of the Update Interview.

### 4-7: Arrested or In Trouble with the Law

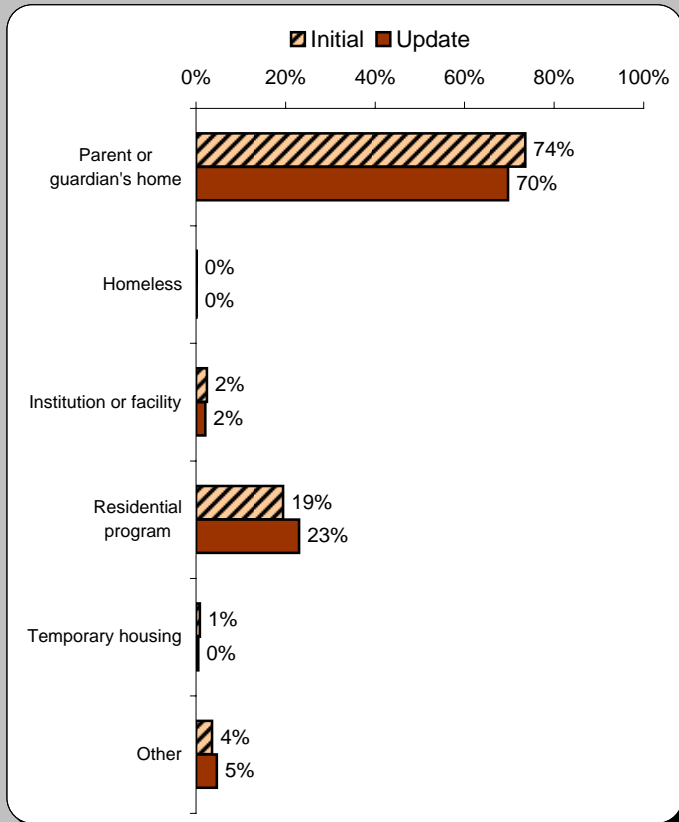
	6-months before tx	Past Month or since last interv.
In trouble with the law	25%	13%
Any arrest	12%	4%
Misdemeanor arrest	10%	3%
Felony arrest	3%	1%

Note: Time period for Update changed from since last interview to past month.

### 4-8: Carried Weapon Such as Knife or Gun

	3-months before tx	During tx since last interview
Carried knife or gun	12%	7%

### 5-1: Where Lived



### 5-2: Number Living in Special Circumstances

Where lived most of time	3 Months before Tx	Since last interview
Homeless sheltered	1	1
Homeless unsheltered	3	1
Foster home	54	25
Therapeutic foster home	155	177
Level III Group Home	359	450
Level IV Group Home	36	44
Halfway house	0	0
State residential treatment center	20	21
SA residential treatment facility	2	5
Psychiatric residential treatment facility	27	25
<b>Total living in special circumstances</b>	<b>657</b>	<b>749</b>
--Of the total, number in home community	266	300

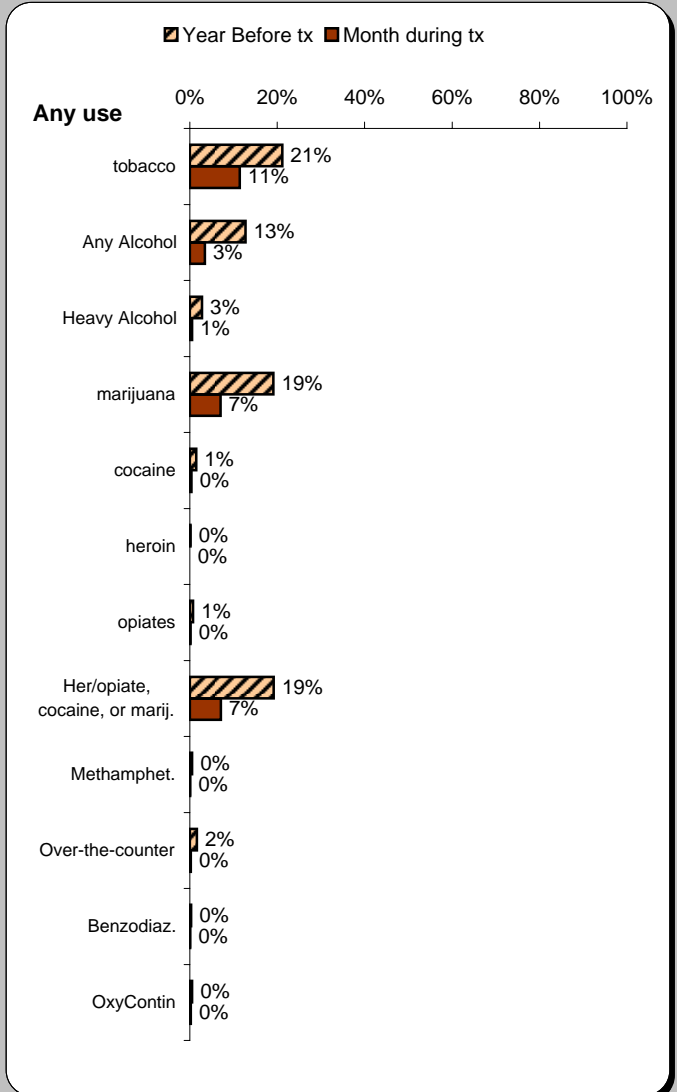
### 5-3: Have Own Children

1% of Statewide consumers have children of their own

### 5-4: Times Moved Residences Since Last Interview

None	77%
Once	18%
More than once	5%

### 5-5: Substance Use



### 5-6: Cigarette Smoking

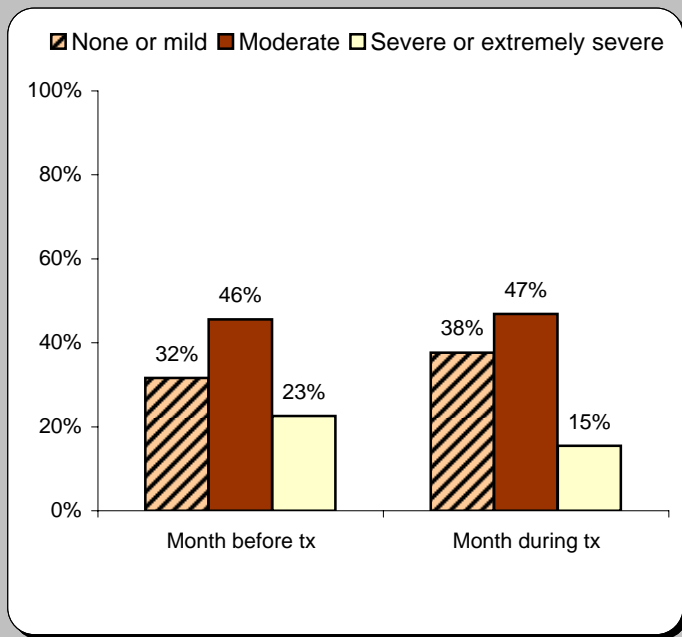
	Month before tx	Month during tx
Smoke cigarettes	14%	11%
Smoke a pack a day or more	1%	1%

**Part III**

Charts and Graphs 6-1 thru 7-3 compare the Initial Interview 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.

**\* 1562 of the 3,238 (48%) of Statewide Update Interviews included a personal interview with the consumer.**

**6-1: Severity of Mental Health Symptoms**



**6-2: Psychotropic Medications at Update**

53% of Statewide consumers have a current prescription for psychotropic medications. Of those, 85% take their medication as prescribed all or most of the time.

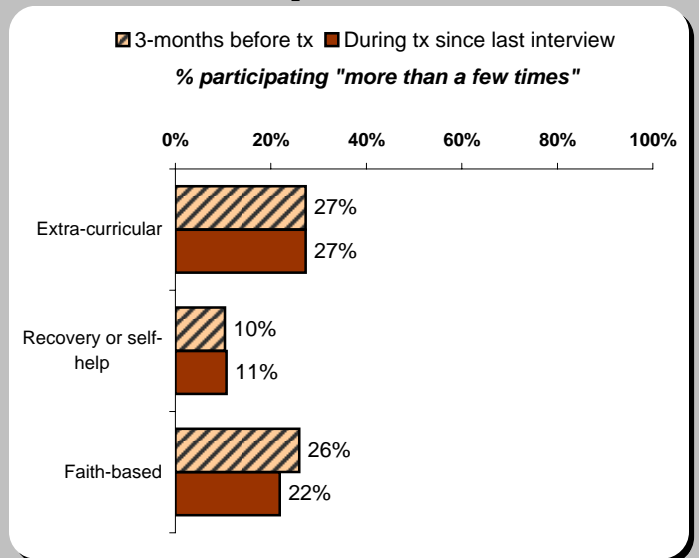
**6-3: Experienced Violence**

	3 Months before tx	During tx, since last interview
Physical violence	27%	21%
Sexual violence	1%	1%

**6-4: Behavior Problems and Symptoms**

	3 Months before tx	During tx, since last interview
Suicidal thoughts	21%	11%
Tried to hurt or cause self pain	13%	9%
Risky Sexual activity	5%	5%
Hit/physically hurt another person	43%	30%

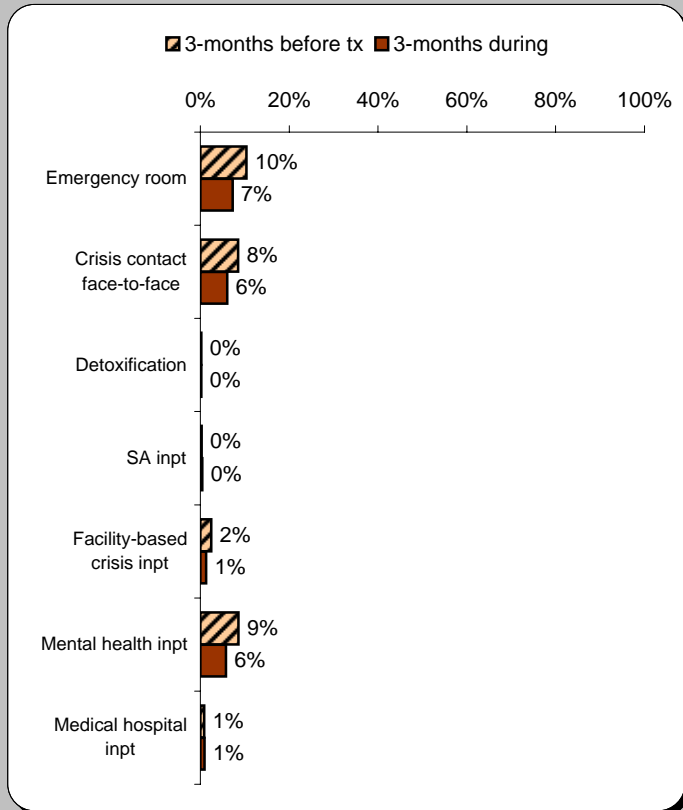
**6-5: Consumer Participation in Positive Activities**



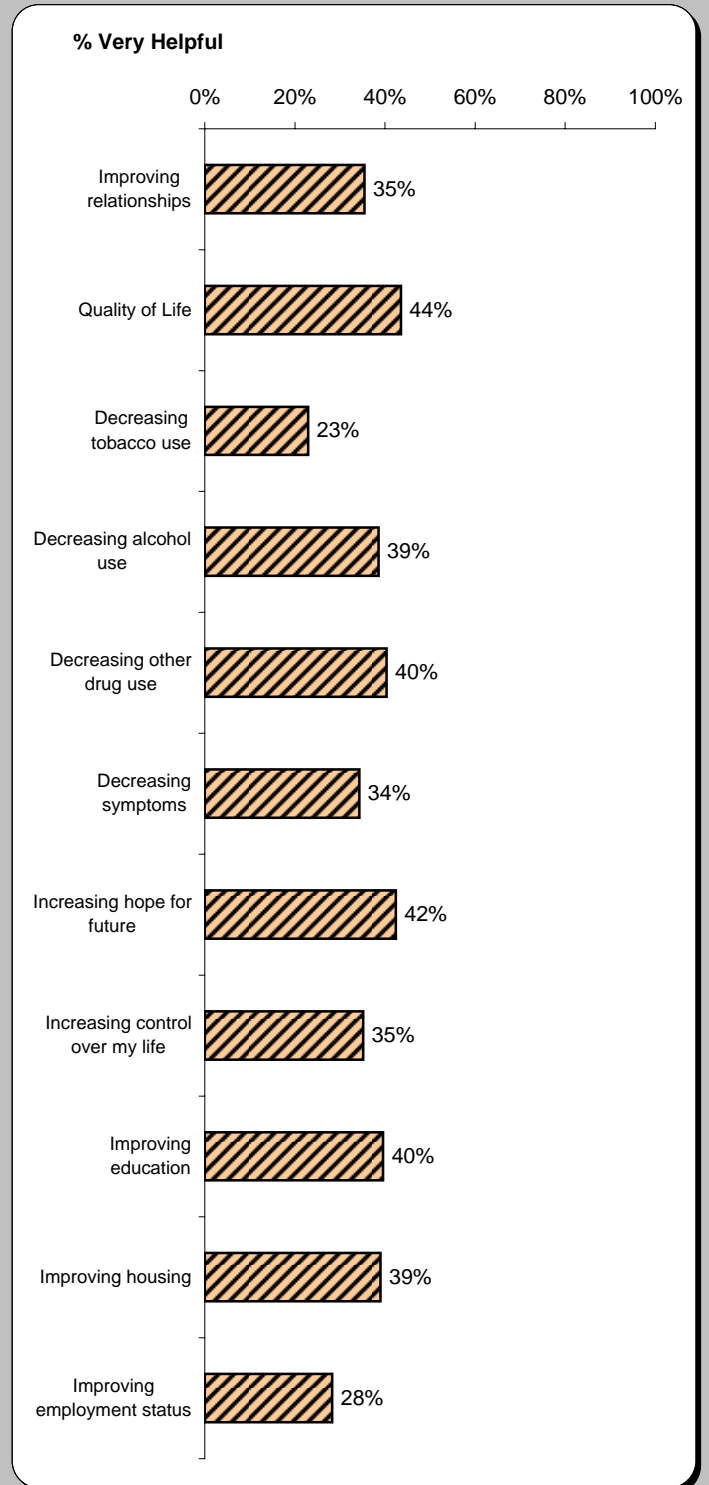
**6-6: Public or Private Health Care Provider**

Of the Statewide consumers, 91% have an identified primary health care provider and 84% have seen their provider in the past year.

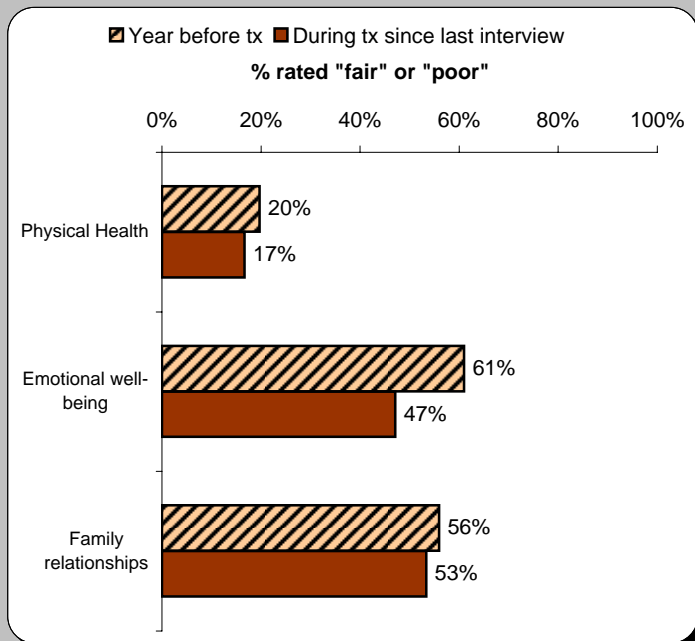
**7-1: Health Care Received**



**7-3: Helpfulness of Program Services  
 (of those for whom the service is applicable)**



**7-2: Consumer Ratings on Quality of Life**





**Appendix**  
**Statewide Adolescent Mental Health 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>