

Data for Assessing Substance Abuse Service Needs in NC

Presentation to the
NC Institute of Medicine Task Force on Substance Abuse Services
November 16, 2007

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Presentation Overview

- Current Substance Abuse Service System
 - Treatment to persons in need
 - Provider capacity
- Sources of Information
 - Division data systems and reports
 - Other sources of data

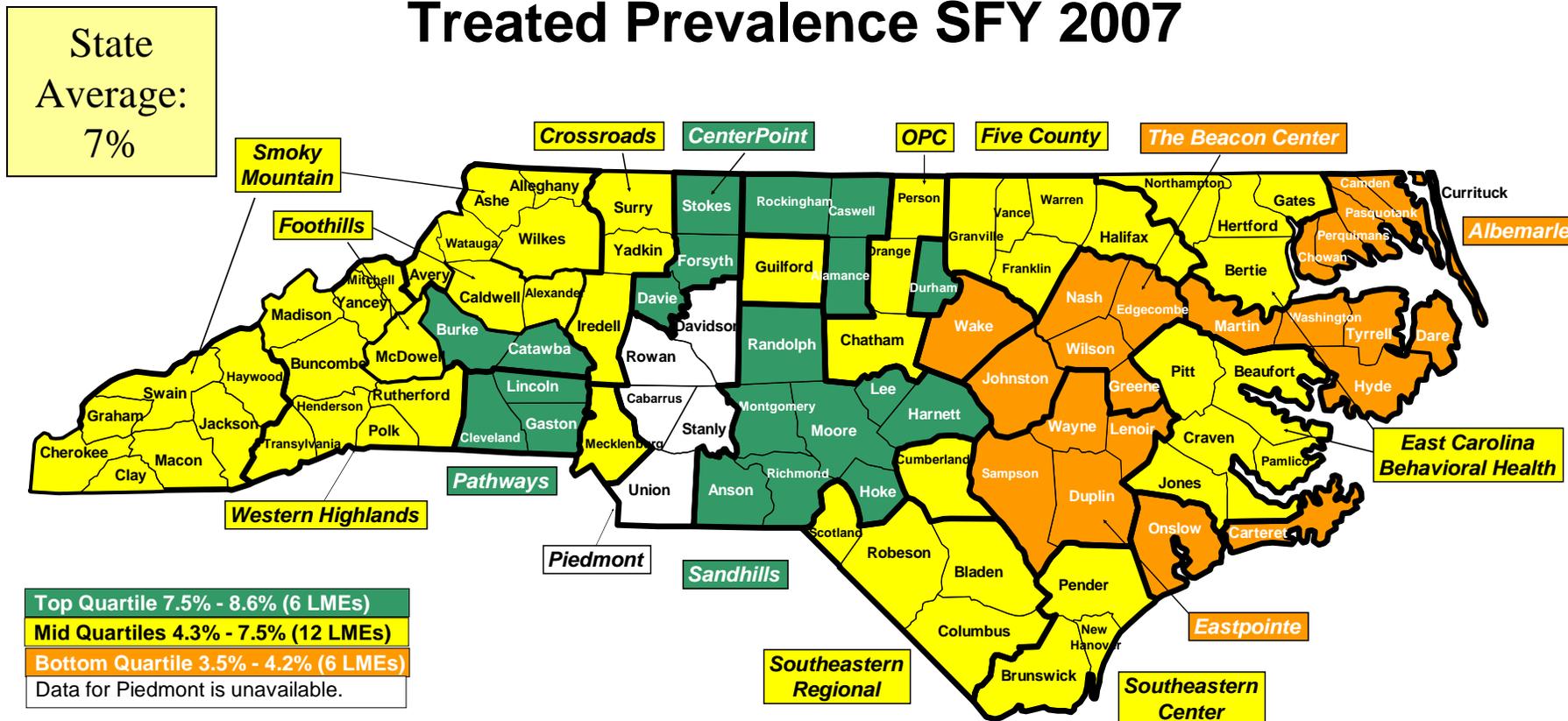


Prevalence of the Problem:

- 8.6% of NC's population has a problem with substance abuse (9.25% nationally)
- Based on *National Survey of Drug Use & Health*
 - SAMHSA-sponsored survey of states' populations (NC sample = 400 bi-annually)
 - Used to estimate prevalence and needs for treatment

Services to Adolescents in Need

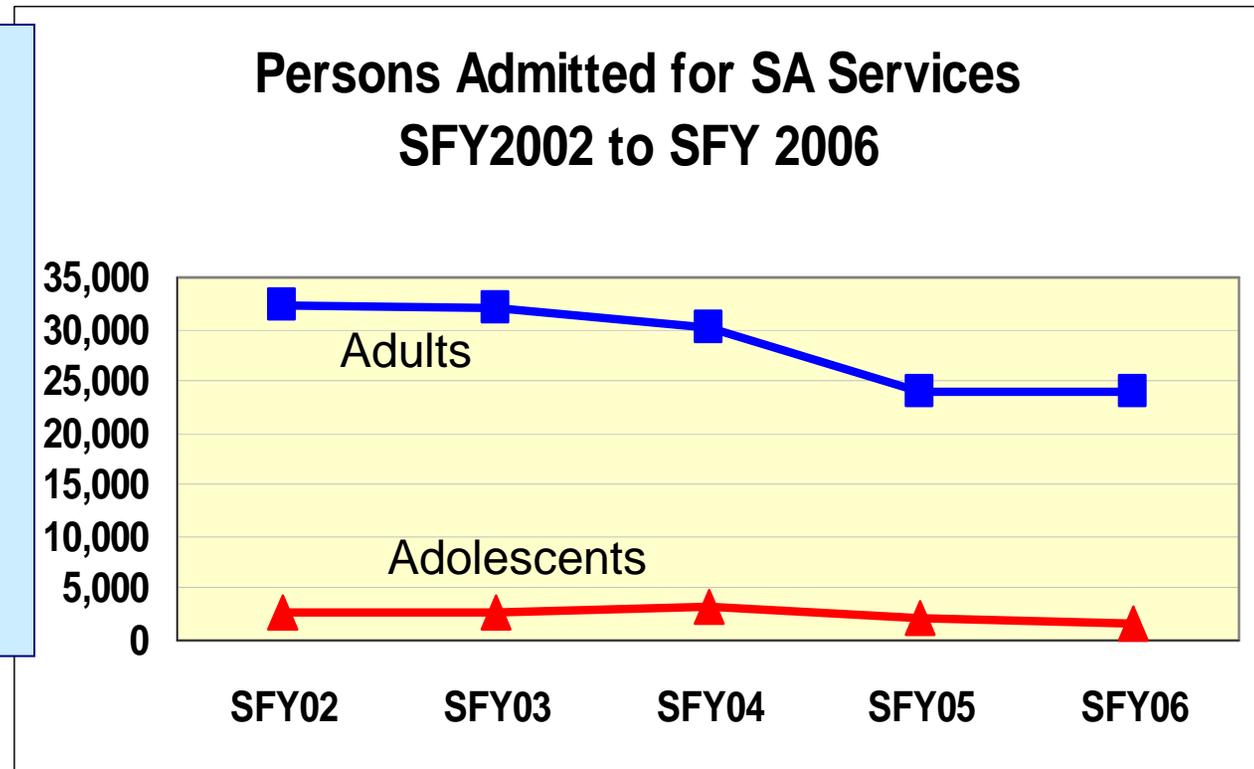
Treated Prevalence SFY 2007



Unless otherwise indicated, the LME name is the county name(s).

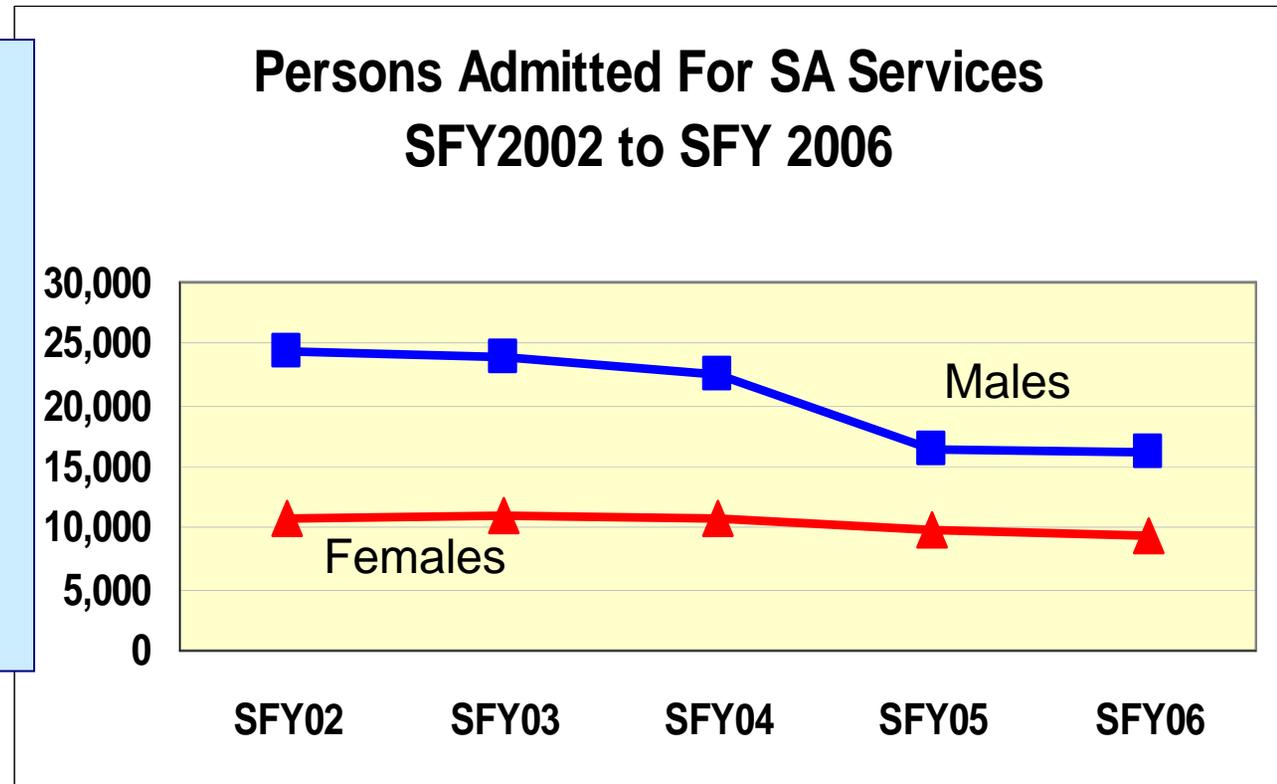
Substance Abuse Admissions

SA adult and adolescent admissions decreased 26% and 38% respectively in the past 5 years



Substance Abuse Admissions

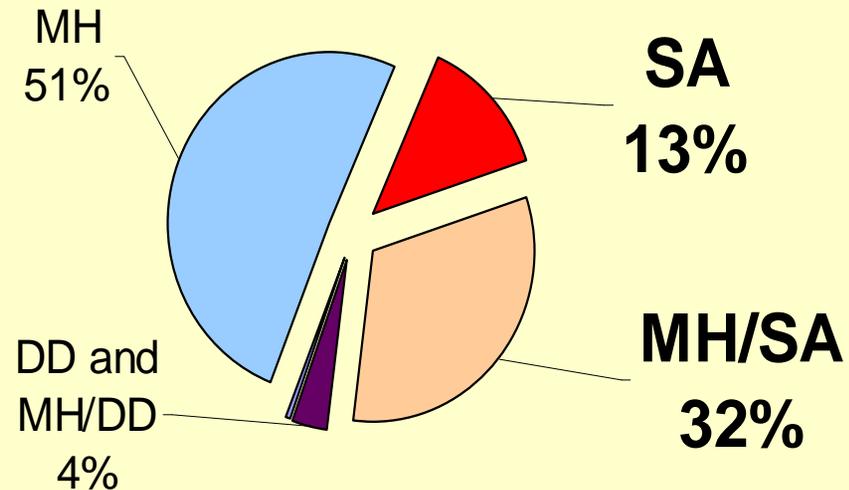
Admissions for males decreased 33%, while admissions for females decreased 13%

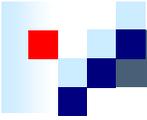


Use of State Facilities

Admissions for SA-Only decreased from 15% to 13% during SFY 2006-07

State Psychiatric Hospital Admissions
SFY 2006-07

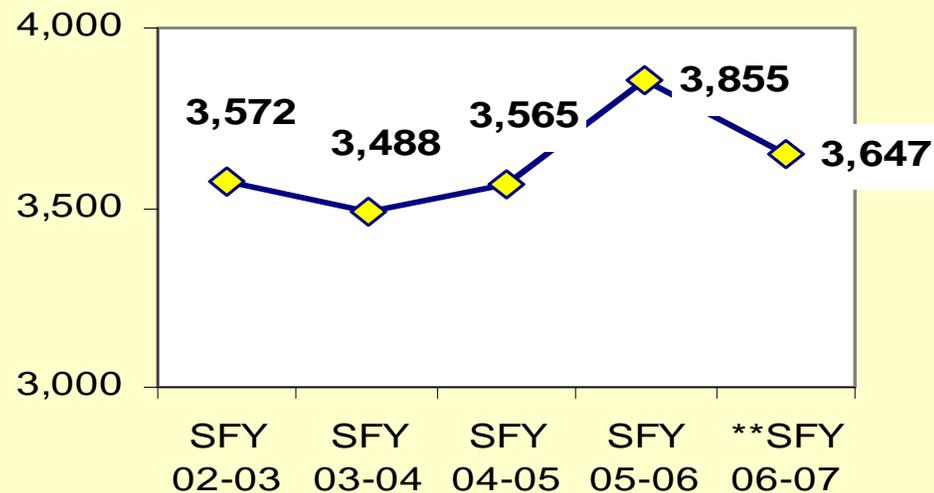




Use of State Facilities

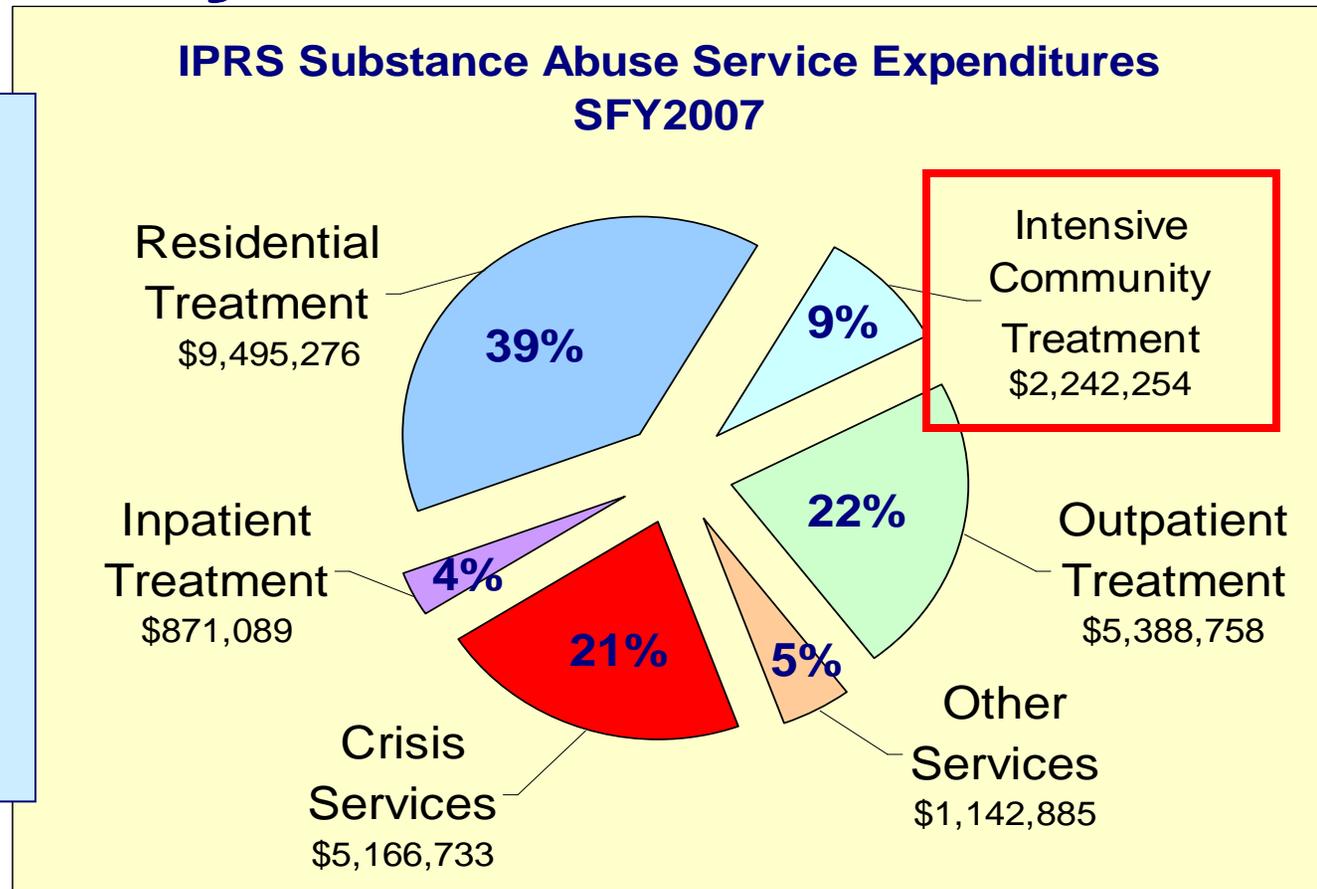
Alcohol and Drug Abuse Treatment Center Admissions

SFY 02-03 through SFY 06-07



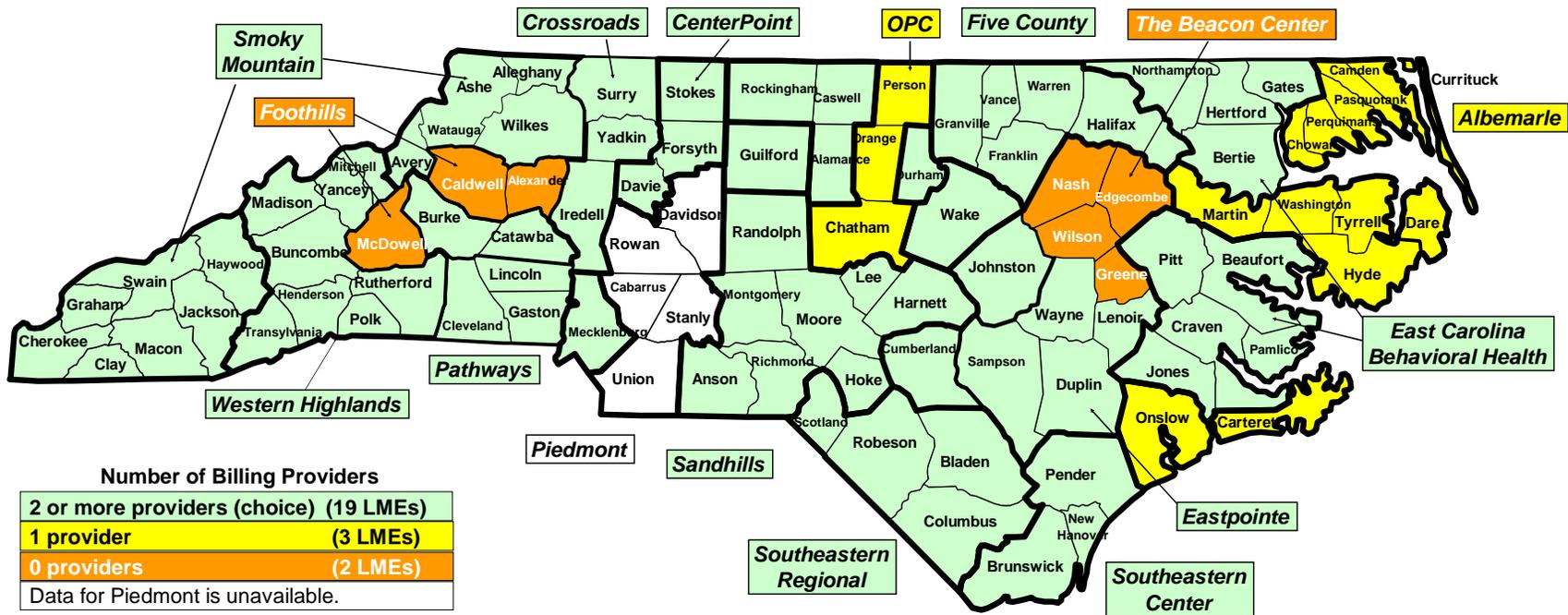
Community Services

Over half of State SA funds in SFY 2007 were spent for crisis and residential services



Community Services

Intensive Outpatient Providers 4Q SFY2007



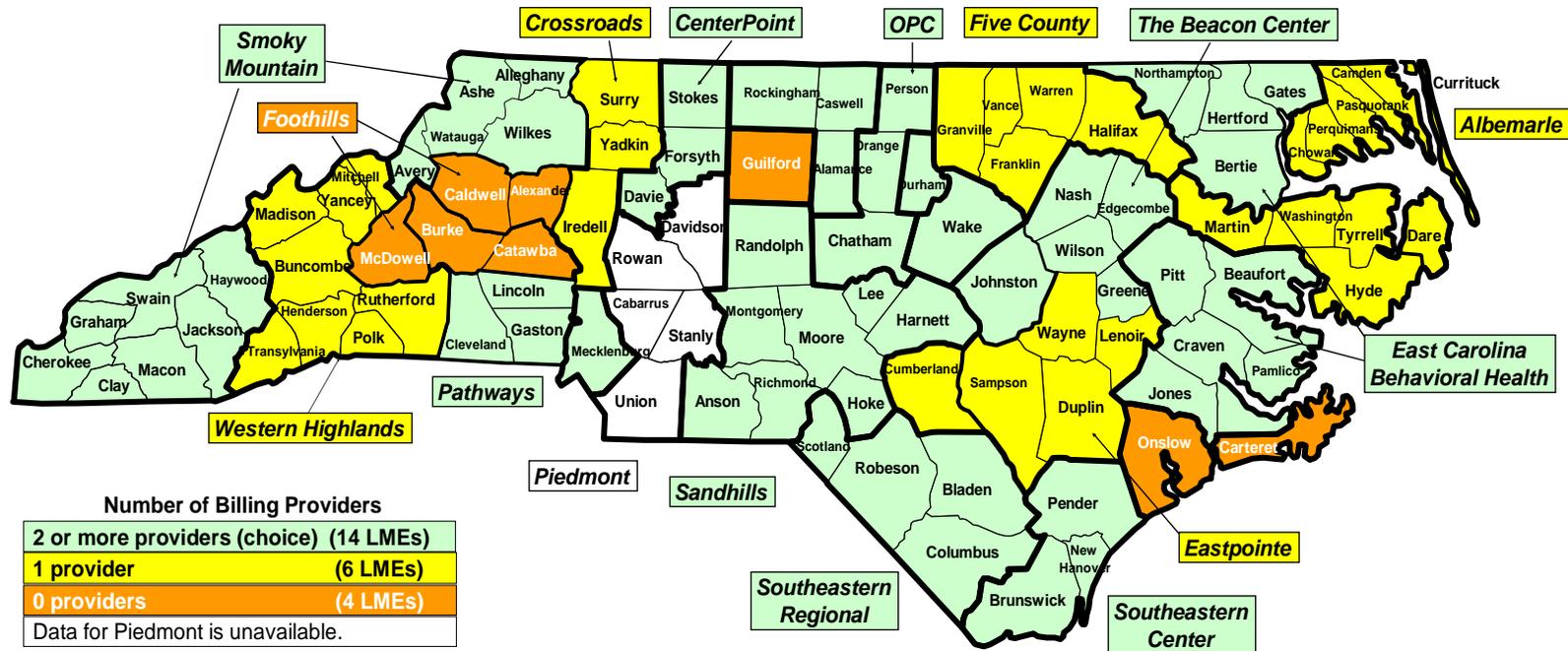
Unless otherwise indicated, the LME name is the county name(s).

Reflects LMEs as of July 2007.

Community Services

Comprehensive Outpatient Treatment Providers

4Q SFY2007



Unless otherwise indicated, the LME name is the county name(s).

Reflects LMEs as of July 2007.

Community Services

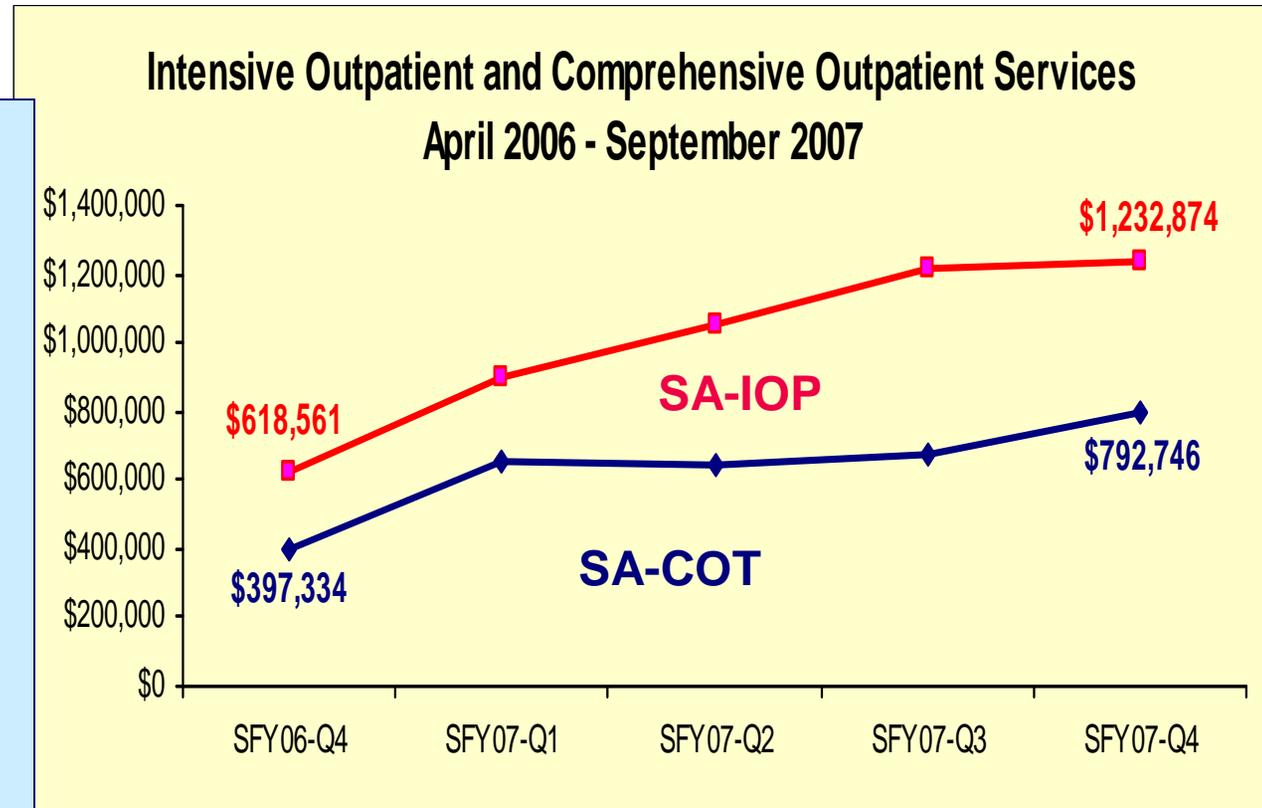
For 4th Quarter
SFY 2007

Providers:

- IOP = 49
- COT = 21

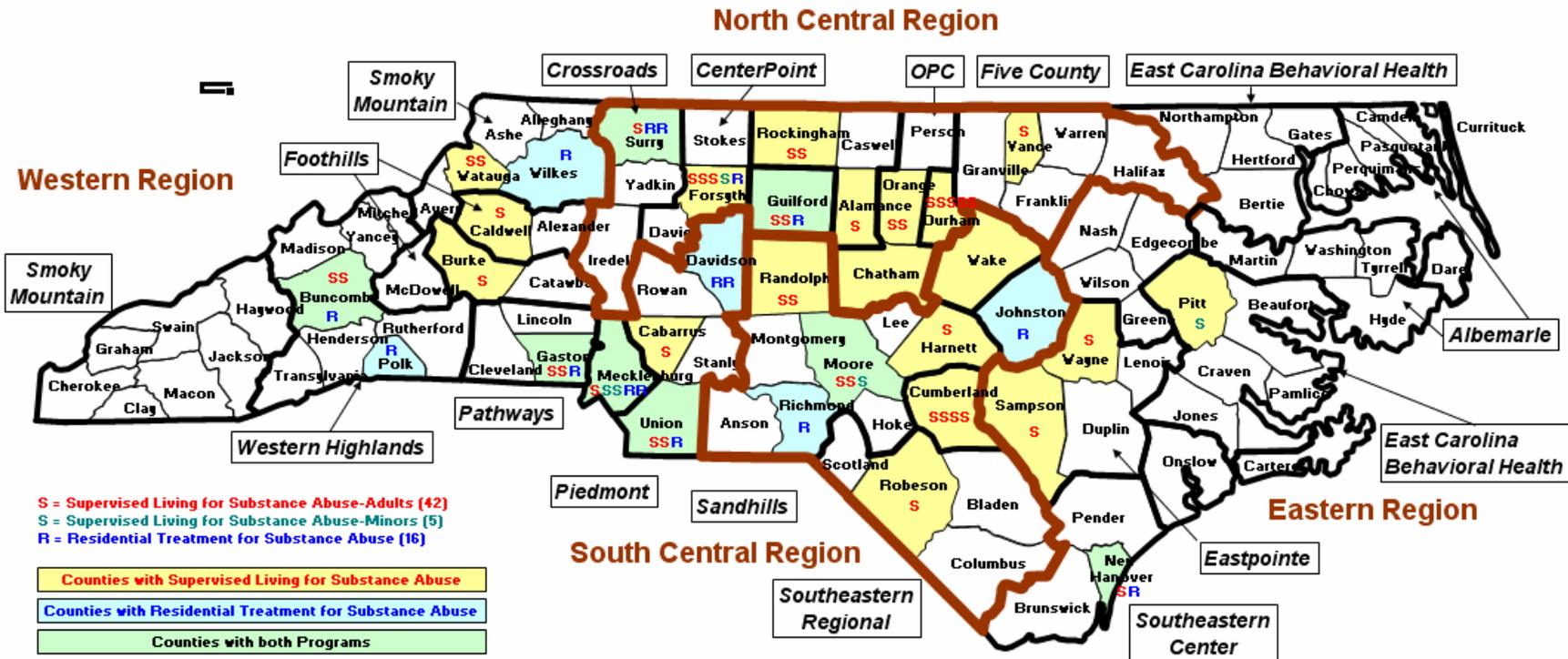
Consumers:

- IOP = 1,045
- COT = 279



Community Services

Residential Treatment & Supervised Living

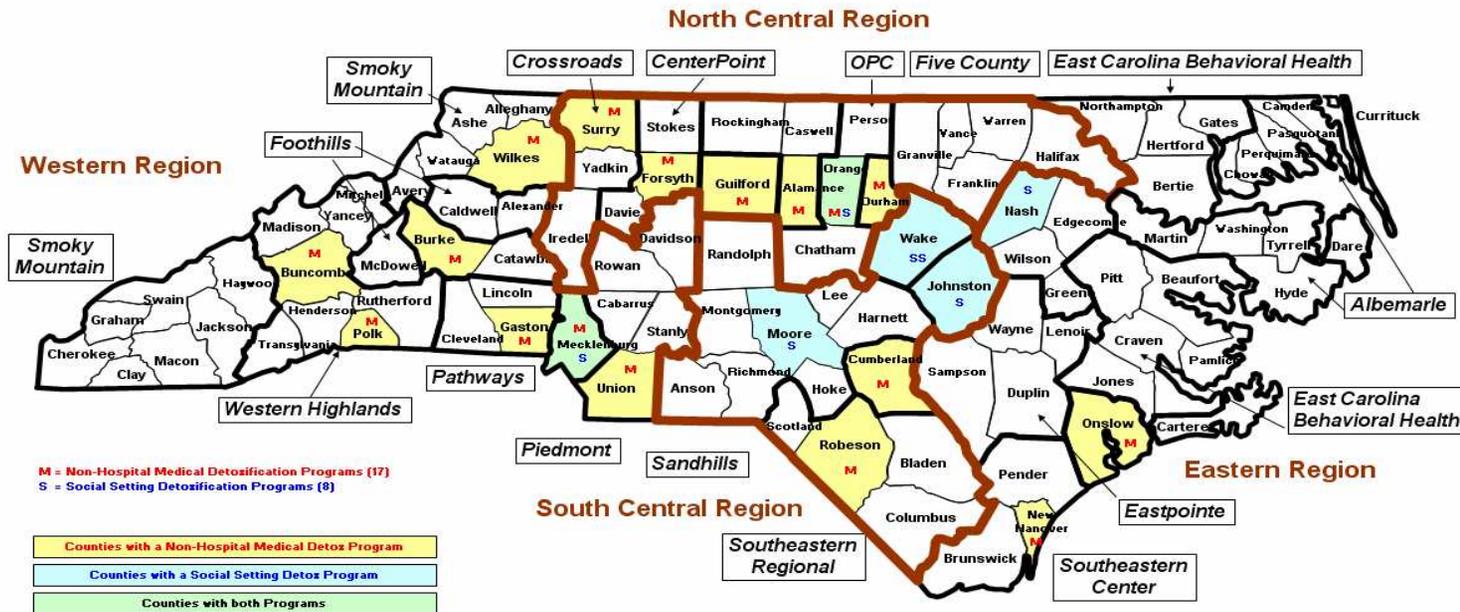


Unless otherwise indicated, the LME name is the county name(s).

Reflects LMEs and Regions as of July 2007

Community Services

Detoxification Centers



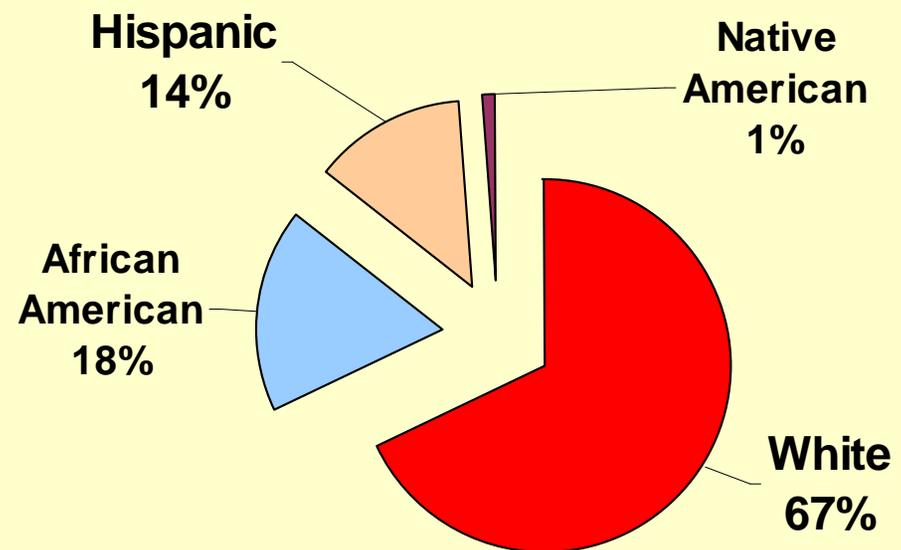
Unless otherwise indicated, the LME name is the county name(s).

Reflects LMEs and Regions as of July 2007

DWI Services

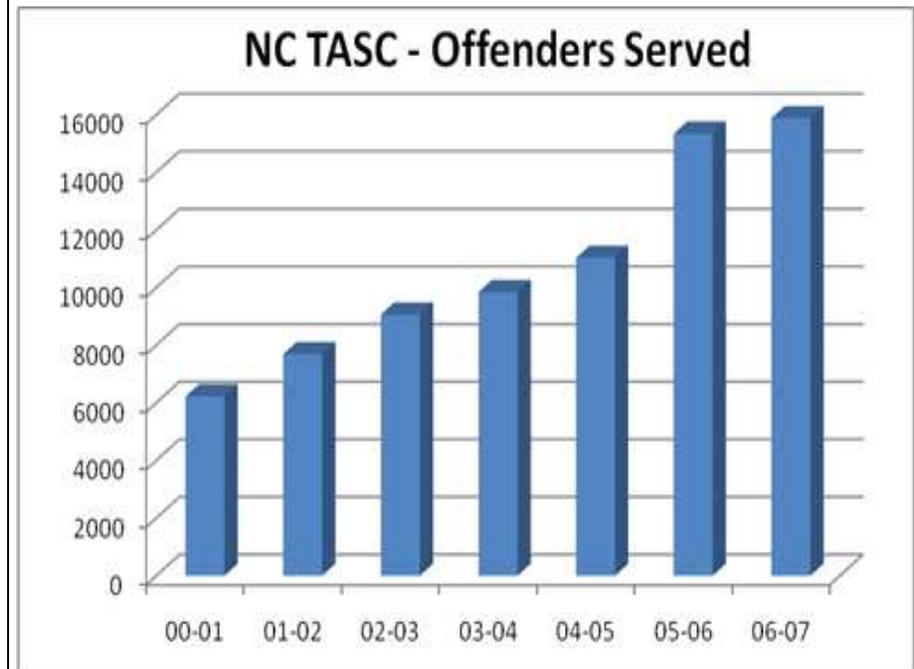
- Over 350 provider agencies
- Over 25,000 served in SFY07
- 81% male
- 47% ages 21-34
- 13% ages 15-20
- 49% never married

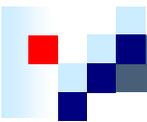
DWI Offenders Served



TASC Care Management

- **80% Male**
- **48% Black 47% White**
- **60% less than 31yo**
 - **20% 16-21yo**
- **85% Not Married**
- **52% No HS Diploma**
- **32% Unemployed**





Division Data Sources:

IPRS & Medicaid Service Claims*

- **Contents**
 - Individual consumer diagnostic information
 - Service dates, type, and volume
 - Service costs
- **Strengths:** Includes details on all fee-based community services provided with public funds
- **Limitations:** Excludes grant-funded and non-UCR services; Delayed information due to claim processing time (~ 90 days)

**Integrated Payment & Reporting System*



Division Data Sources:

*HEARTS**

■ Contents

- Individual consumer diagnostic information, including commitment status
- State facility service dates, type and volume

■ Strengths: Includes details on all services provided in state facilities

■ Limitations: Cumbersome to analyze

**Healthcare Enterprise Accounts Receivable Tracking System*



Division Data Sources:

Client Data Warehouse

■ Contents

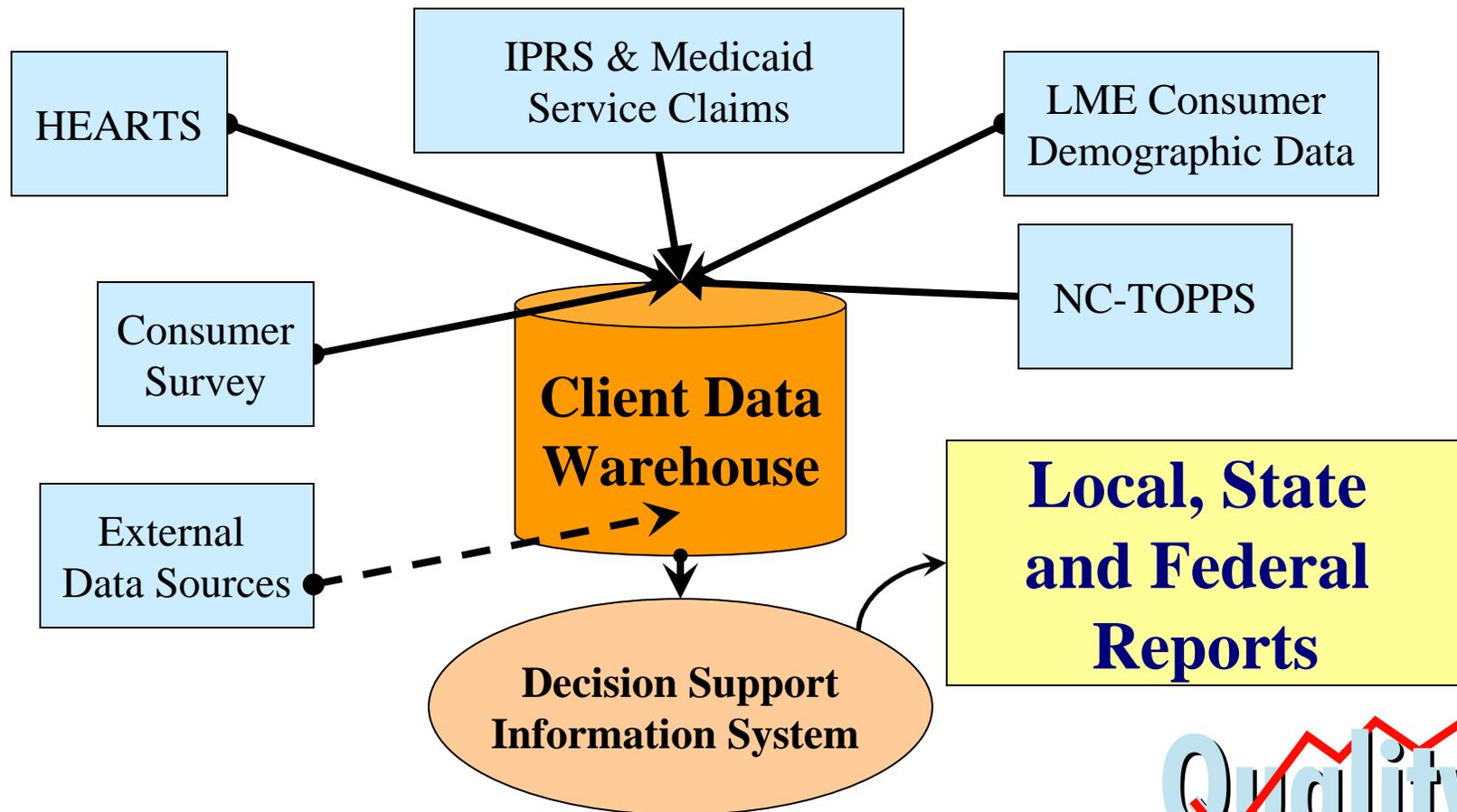
- Individual consumer demographics
- Financial eligibility and family information
- Drug(s) of choice

■ Strengths: Integrates data across systems

■ Limitations: Quality depends on accuracy and timeliness of data that providers submit to LMEs

Division Data Sources:

Client Data Warehouse





Division Reports:

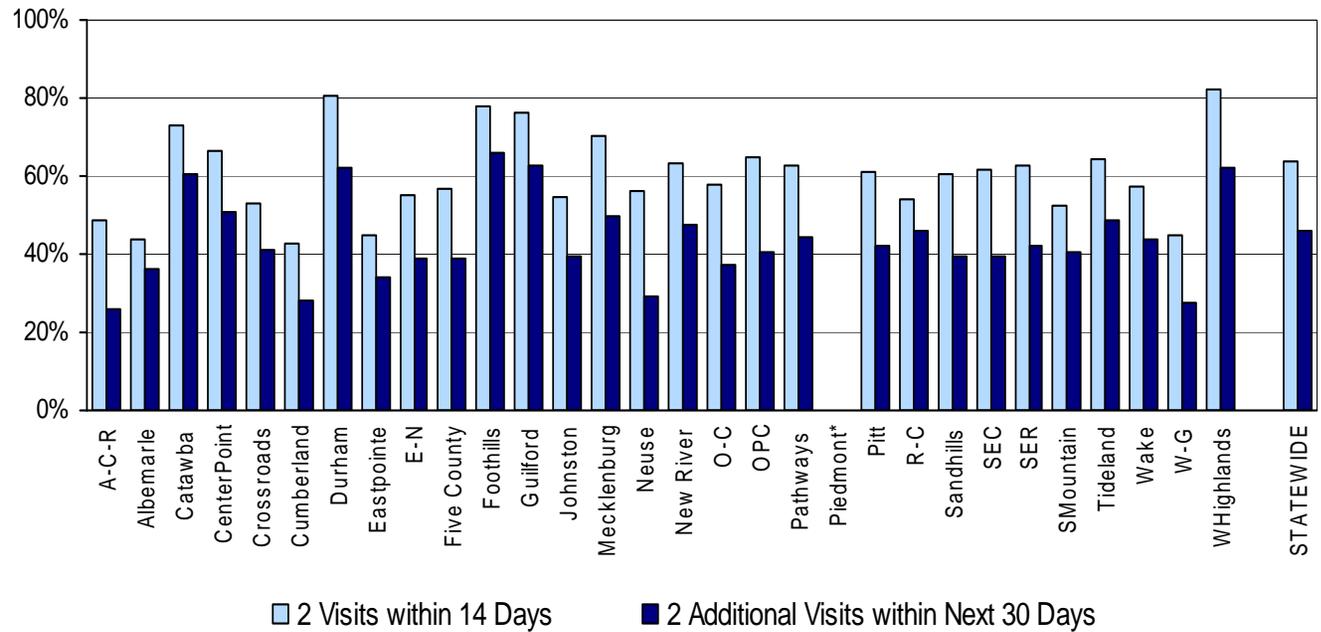
Community Systems Progress Report

- Published quarterly
- LME-specific performance measures
 - Treated prevalence
 - Initiation and engagement in services
 - Use of State facilities
 - Continuity of care after inpatient discharge
- Tied to DHHS-LME Performance Contract requirements
- Drives state and local planning

Division Reports:

Community Systems Progress Report

INDICATOR 2.3: Substance Abuse Consumers Receiving Prompt and Continuing Care



Statewide 64% of SA consumers have **2 visits in the first two weeks** and 46% have 4 visits in the first 45 days of care. 26% have no second visit.

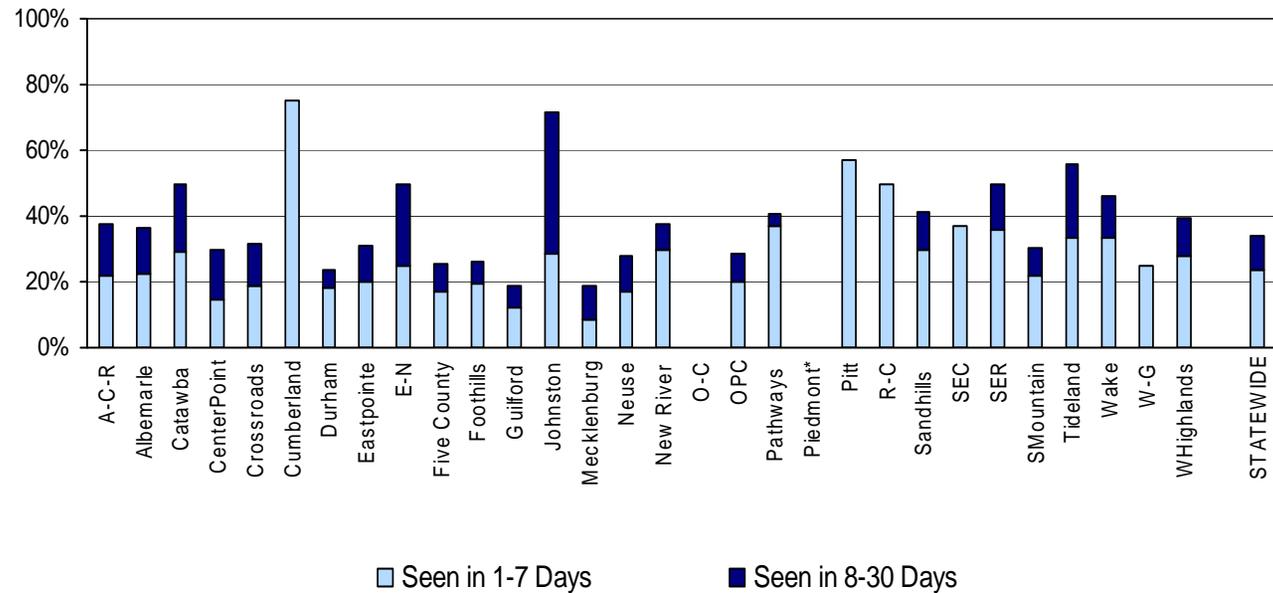
Data from Qtr 4 SFY07 CSPI Report

Division Reports:

Community Systems Progress Report

Statewide 23% of consumers discharged from ADATCs receive **follow-up care** in 7 days. An additional 11% were seen by the end of their first month in community.

INDICATOR 4.1: Consumers Receiving Timely Community Care After Discharge from an ADATC





Division Reports:

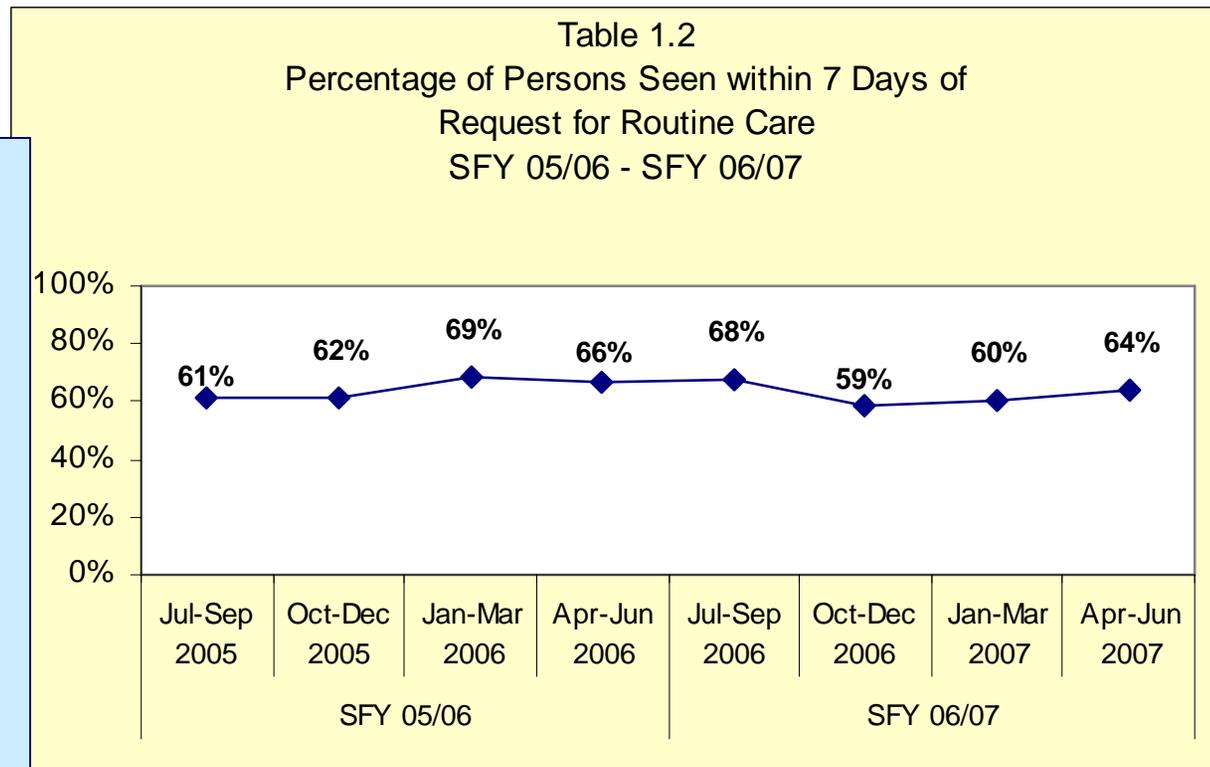
Statewide System Performance Report

- Published semi-annually (October and April)
- Statewide performance domains
 - Access
 - Person-centered Planning and Services
 - Evidence-Based Practices
 - Consumer Outcomes
 - Quality Management
 - Efficiency and Effectiveness
 - Prevention and Early Intervention

Division Reports:

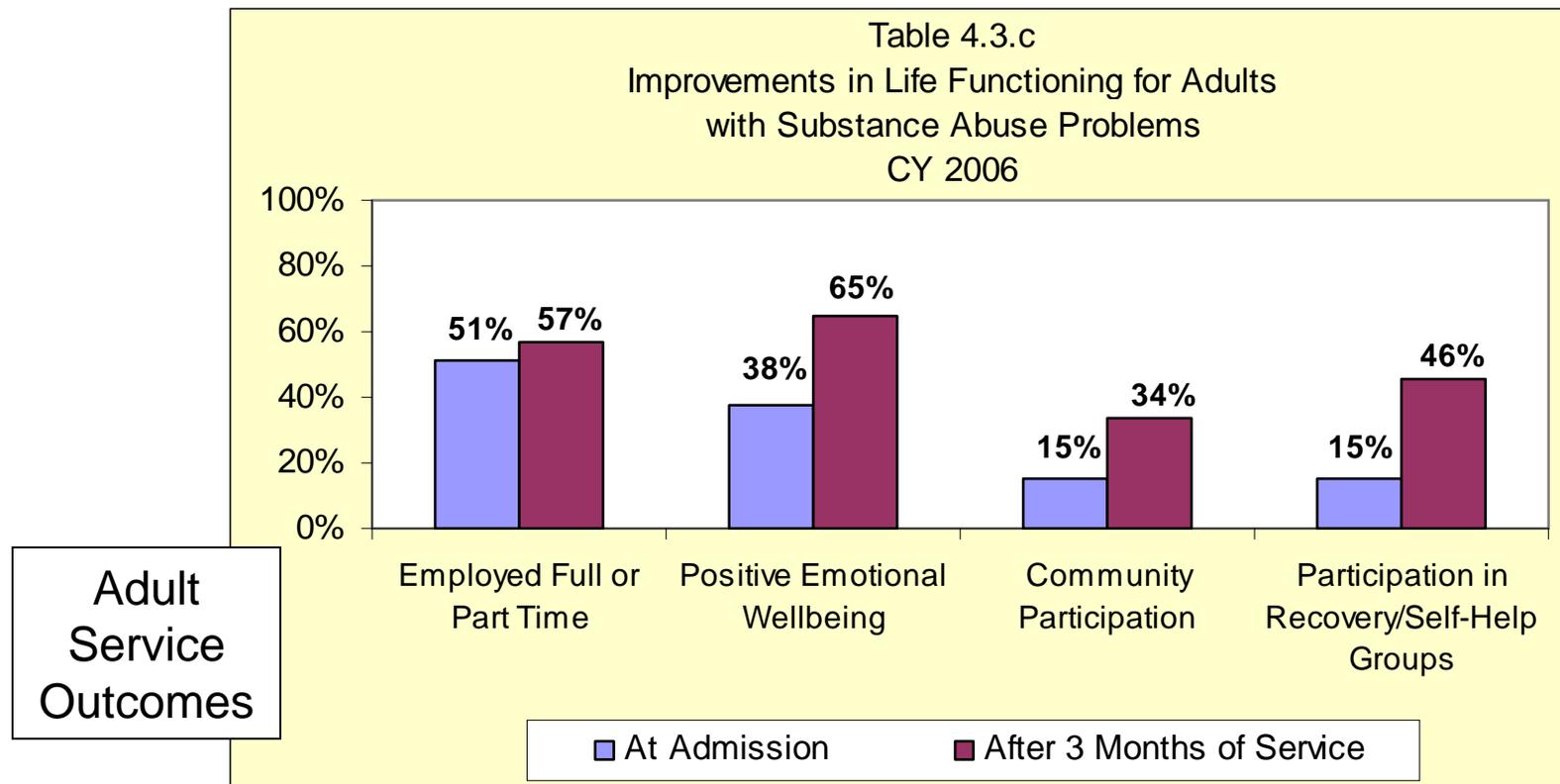
Statewide System Performance Report

“Of all **consumers seeking routine care** over the past two state fiscal years who were *actually seen* by a provider within 7 days... there has been a slight increase (3%) ... as predicted in the Spring 2007 report.”



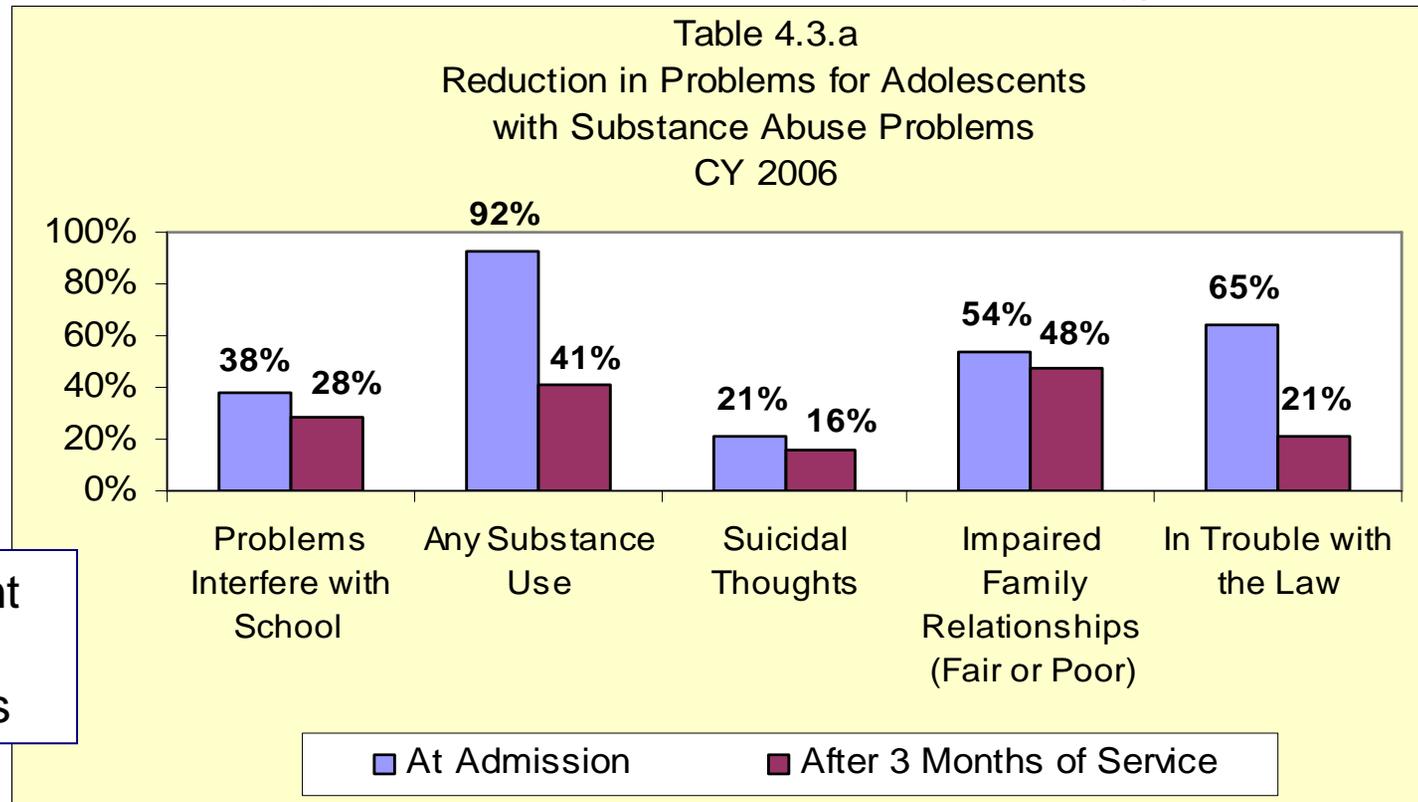
Division Reports:

Statewide System Performance Report

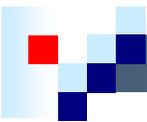


Division Reports:

Statewide System Performance Report



Adolescent
Service
Outcomes



Division Data Sources:

*NC-TOPPS**

■ Contents

- Individual consumer treatment outcomes (drug use, mental health symptoms)
- Functional status (employment, arrests, housing, family relations)
- Service needs, barriers, and perceptions of care

■ **Strengths:** Captures dual-disability issues and information on service impact; useful for individual and system-level evaluation and planning

■ **Limitations:** Quality depends on accuracy and timeliness of data that providers submit

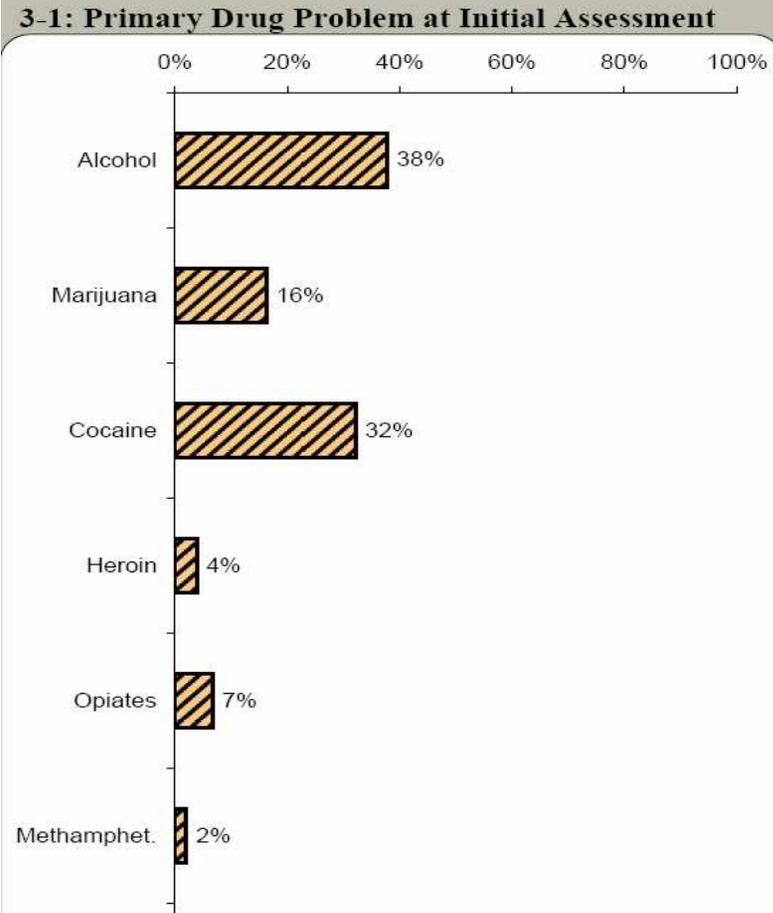
**NC Treatment Outcomes & Program Performance System*

Division Reports:

NC-TOPPS

The **primary drug problems** among Adult SA consumers in treatment are:

- Alcohol 38%
- Marijuana 16%
- Cocaine 32%
- Opiates 11%
- Methamphetamines 2%



Division Reports:

NC-TOPPS

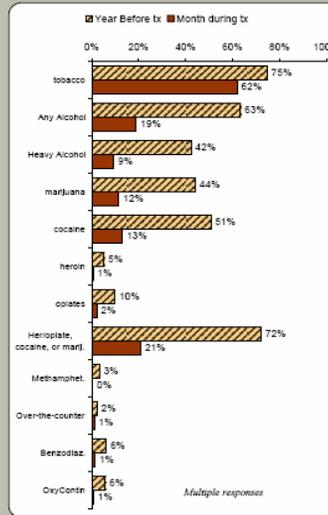
SA consumers in treatment:

- Reduce substance use
- Reduce smoking
- Reduce arrests
- Improve employment
- Improve housing



Statewide Adult Substance Abuse Consumers
Initial Matched to 3-Month Update or Completed Treatment Interview
Initials Conducted January 1, 2006 through December 31, 2006

5-1: Substance Use



5-2: Cigarette Smoking

	Month before tx	Month during tx
Smoke cigarettes	70%	81%
Smoke a pack a day or more	35%	28%

5-3 Homeless Consumers

	3-Months before tx	During tx since last interview
In Shelters	205	209
Not in Shelters	176	44
Total Homeless	381	253

Note: see introduction for explanations of time periods used.

Number of matched Initial/Update Interviews: Statewide = 4,668

5-4: Employment

	3-Months before tx	Month during tx
% In labor force	64%	62%
Of those in the labor force...		
Employed full-time	32%	37%
Employed part-time	19%	21%
Unemployed (seeking work)	40%	43%
Of those working...		
Supported employment	12%	13%
Transitional employment	7%	6%

5-5: Justice System Involvement

28% of Statewide consumers were under correctional supervision at the time of their Update Interview.

5-6: Arrests

	6-months before tx	During tx since last interview
Any arrest	17%	3%
Misdemeanor arrest	14%	2%
Felony arrest	6%	0%

5-7: Children Under 18

48% of Statewide consumers have children under age 18.

5-8: Custody Issues During Treatment

	# Since Last Assessment
Gained custody of child(ren)	56
Lost custody	55
Began seeking custody	36
Stopped seeking custody	5
Continued seeking custody	246
New baby removed from custody	6

5-9: DSS Investigations During Treatment

	# Since Last Interview
Consumer investigated by DSS for child abuse or neglect	142
Investigation was due to infant testing positive on drug screen	16

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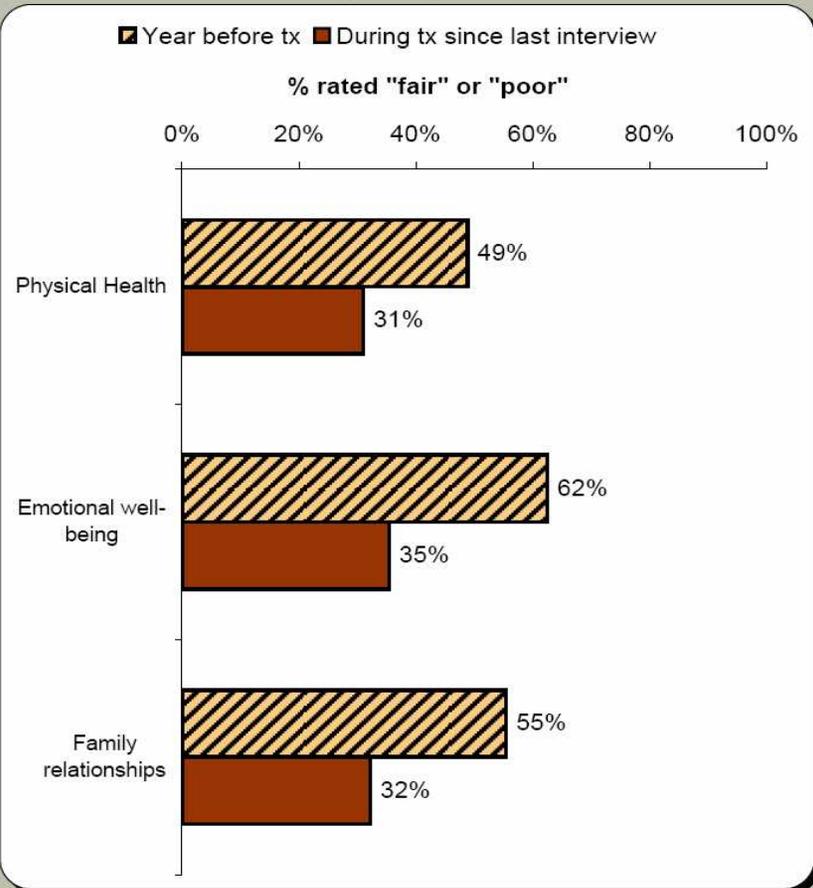
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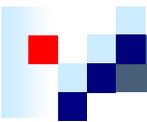
NC-TOPPS

SA consumers report that their **quality of life** improves during treatment'

- Physical Health
- Emotional Well-being
- Family Relationships

7-2: Consumer Ratings on Quality of Life





Other Data Sources:

*NC-DETECT**

■ Contents

- Admissions to hospital emergency departments
- Individual diagnostic and demographic information
- Presenting problems and outcomes of visits

■ **Strengths:** Helps estimate need for local SA crisis services

■ **Limitations:** Protected information restricts access to data; aggregate reporting only; designed for medical rather than behavioral health

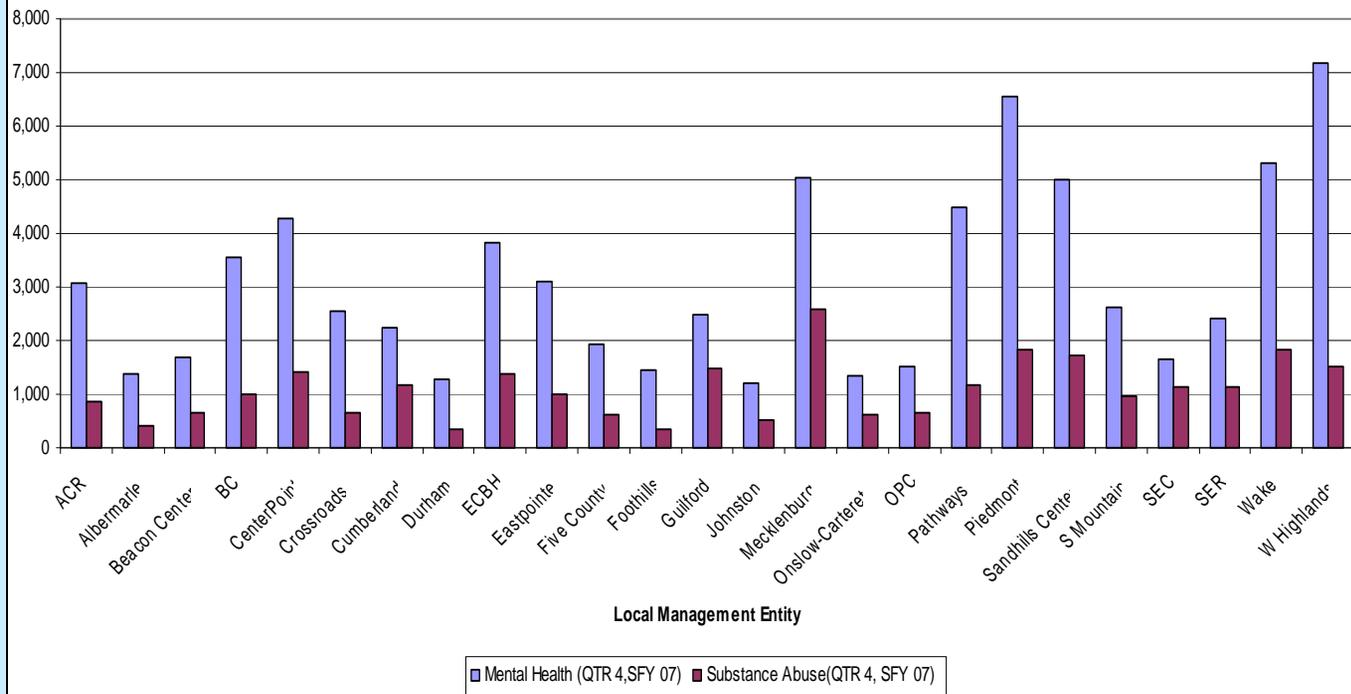
***NC Disease Event Tracking and Epidemiological Collection Tool**

Other Division Reports:

*NC-DETECT**

About 3% of people admitted to Community Hospital Emergency Departments have SA diagnoses (9,000 a month). About 9% have MH diagnoses.

Figure 4. Mental Health and Substance Abuse Admissions Within Emergency Departments BY LME, QTR 4, SFY 07





Division Data Sources:

MH/SA Consumer Survey

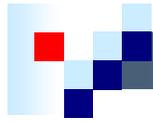
■ Contents

□ Individual consumers' perceptions of services

- Overall Satisfaction
- Access
- Appropriateness
- Participation in treatment
- Outcomes

■ **Strengths:** Provides consumers a confidential means to evaluate service quality

■ **Limitations:** Infrequent; fails to capture perspectives of those who drop out of services

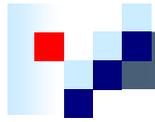


Other Data Sources:

Behavioral Risk Factor Surveillance System

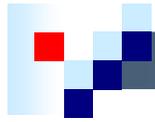
■ Contents

- Center for Disease Control-sponsored survey of states' adult populations (NC sample = 14,000 annually)
- Medical and behavioral health needs and access to care
- Includes questions on use of drugs, alcohol and tobacco



Other Data Sources:

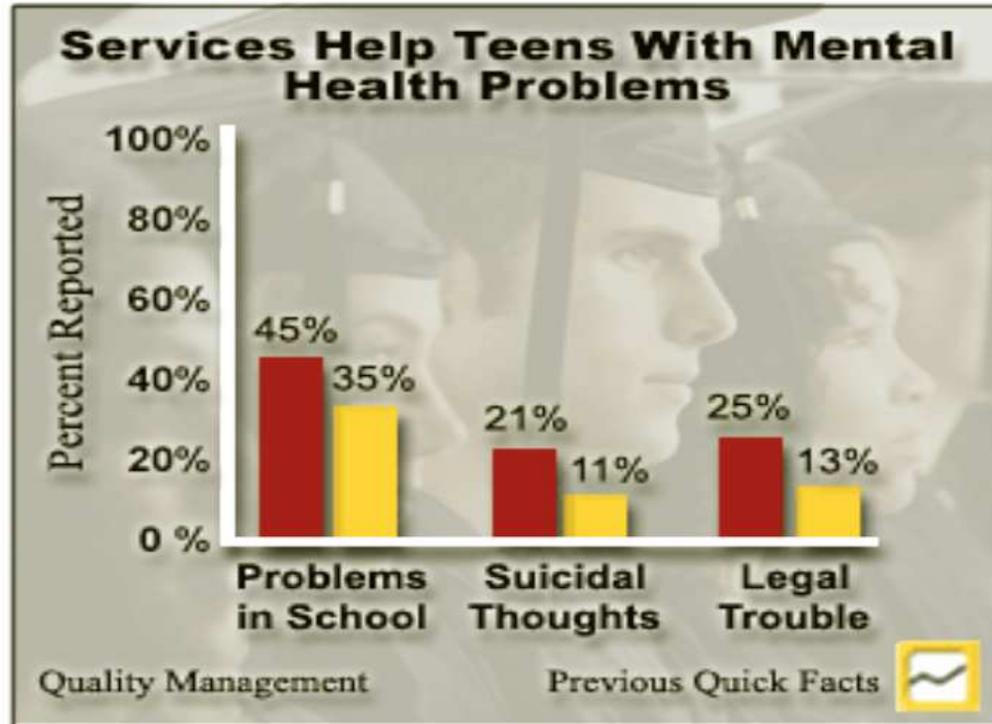
- CHAMP (Child Health Assessment Monitoring Program)
 - Companion to BRFSS adult survey
 - NC sample = 4000 parents annually
- YRBS (Youth Risk Behavior Survey)
 - DPI-sponsored survey of students biennially
 - NC sample depends on schools' voluntary participation



Other Data Sources:

- Administrative Office of the Courts
- Department of Correction
- Department of Juvenile Justice & Delinquency Prevention
- Division of Social Services
- Employment Security Commission
- Division of Public Health

Quality Quick Facts



<http://www.ncdhhs.gov/mhddsas/index.htm>



For Additional Information:

- NC DMH/DD/SAS Statistics and Publications

<http://www.ncdhhs.gov/mhddsas/statspublications/index.htm>

- Quality Management Team

ContactDMHQuality@NCMail.net

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