

# Tennessee Outcomes Measurement System Analysis



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**Overall Analysis  
FY12 and FY13**

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## Tennessee Outcomes Measurement System Analysis FY12 and FY13

The Tennessee Outcomes Measurement System (TOMS) is a survey given to consumers of behavioral health services across the state. The survey's primary purpose is to provide treatment planning information for individual consumers. The survey asks questions about the individual's demographics, recovery, consumption of alcohol, drug use and living arrangement, among others.

There are several parties involved in the development and implementation of the survey including the Tennessee Department of Mental Health and Substance Abuse Services (TDMHSAS), TeleSage, Tennessee Association of Mental Health Organizations (TAMHO) and TAMHO's member organizations.

The contents of this report include an overview of the survey instruments, analysis conducted, and findings for FY12 and FY13.

**Survey Instrument:** There are two survey instruments; a short- and long-form survey which are available for three specific groups: Adult, Youth and Parent/Guardian. The surveys are distributed to consumers by providers in a convenience sample. Those asked to participate in the survey are provided the opportunity to consent or decline the survey without effecting their treatment in any way. A six-month follow-up survey is given after the initial survey.

**Analysis:** Survey data was provided to TDMHSAS by TeleSage for FY12 and FY13. The short-and long-form survey data were combined into one database for each group type. The data was cleaned and coded for analysis in SPSS. The findings in this report primarily look at the demographic and outcome related questions. Demographic data is based on the number of unique clients in the data set for each survey type. However, outcome data is based on those consumers who had a Time 1 and a Time 2<sup>1</sup> survey. The outcomes that were analyzed for this evaluation are included on the following page.

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<sup>1</sup> Time 2 refers to the last survey the person completed for those individuals that had more than an intake survey and a follow-up survey.

## **Adult Survey**

- Number of days a person consumed five or more alcoholic drinks
- Number of days in the past month drugs were used to get high
- Number of arrests in the past month
- Number of nights spent in a hospital, psychiatric institution or substance abuse program
- Living arrangement

## **Youth Survey**

- Number of days a person consumed five or more alcoholic drinks
- Number of days in the past month drugs were used to get high
- Number of arrests in the past month
- Number of days marked absent from school due to emotional/behavioral problem
- Number of days marked absent from school due to suspension/expulsion
- Living arrangement

## **Parent/Guardian**

- Number of times the child was arrested in the past month
- Number of days the child was marked absent due to emotional/behavioral problems
- Number of days was the child marked absent from school due to suspension/expulsion
- Living arrangement

The remaining sections of the report will review the findings for the Adult, Youth and Parent/Guardian surveys for FY12 and FY13.

## Adult Survey Analysis

### FY12 Highlights

- **50,078** surveys administered
- **40,616** unique adults
  - **33,121** adults had one survey
  - **7,495** adults had more than one survey

**Demographics:** The list below describes some of the demographics of the 40,616 unique survey respondents in FY12.

- 73% of respondents were White; 16% Black
- 3% of respondents were Hispanic/Latino
- 64% of respondents were Female; 36% Male
- Marital status:

	Percent
Never married	37%
Married	24%
Divorced	21%
Separated	8%
Widowed	4%

**Outcomes:** Table 1 below shows the change in outcomes reported by adults receiving services in FY12. All of the outcomes evaluated in FY12 decreased except for the total number of hours worked which increased six percent.

**Table 1 FY12 Outcomes Analysis**

86% 	In the average number of arrests reported by adults (n=331)
82% 	In the average number of nights adults reported they spent overnight in a hospital, psychiatric institution or substance abuse program (n=634)
63% 	In the average number of days adults reported using drugs to get high (n=448)
51% 	In the average number of days adults reported binge drinking (5 or more alcoholic drinks) (n=398)
6% 	There was an increase in the average number of hours worked for pay between T1 and T2. (n=5,577)

**Living arrangement:** As Table 2 shows, most adults lived in a private residence, either independent or dependent, in both Time 1 and Time 2. Also, there were decreases in the number of adults residing in every other type of living arrangement between Time 1 and Time2.

**Table 2 Adult living arrangements in FY12**

	Time 1	Time 2	Percent change
Private residence - Independent	5,433	5,191	-4%
Private residence - Dependent	710	624	-12%
Institutional setting	35	19	-46%
Jail/correctional facility	35	12	-66%
Homeless	140	113	-19%
Foster home	16	6	-63%
Residential care	320	291	-9%
Crisis residence	14	8	-43%
Unknown	793	1,232	-
Total	7,496	7,496	

**FY13 Highlights**

- **59,819** surveys administered
- **44,203** unique adults
  - **33,974** adults had one survey
  - **10,229** adults had more than one survey

**Demographics:** The list below describes the demographics of the 44,203 unique survey respondents in FY13.

- 75% of survey respondents were White; 12% Black
- 2% of survey respondents were Hispanic/Latino
- 64% of survey respondents were Female; 36% Male
- Marital Status:

	Percent
Never married	38%
Married	24%
Divorced	20%
Separated	7%
Widowed	4%

**Outcomes:** Table 3 shows the change in outcomes reported by adults receiving services in FY13. Like 2012, all of the outcomes decreased except for hours worked for pay, which increased by four percent.

**Table 3 FY13 Outcomes Analysis**

76% 	In the average number of arrests reported by adults (n=242)
76% 	In the average number of nights adults reported they spent overnight in a hospital, psychiatric institution or substance abuse program (n=574)
66% 	In the average number of days adults reported using drugs to get high (n=431)
71% 	In the average number of days adults reported binge drinking (5 or more alcoholic drinks) (n=468)
4% 	There was an increase in the average number of hours worked for pay between T1 and T2. (n=7,317)

**Living arrangement:** Table 4 shows living arrangements for adults in FY13. As the table shows, most adults lived in a private residence, independent or dependent, in FY13. Additionally, there were decreases in the number of adults that resided in institutional and residential settings, correctional facilities, living in a shelter or on the streets, and crisis residences.

**Table 4 Adult living arrangements in FY13**

	Time 1	Time 2	Percent Change
Private residence - Independent	7,456	6,810	-9%
Private residence - Dependent	911	775	-15%
Institutional setting	42	30	-29%
Jail/correctional facility	55	24	-56%
Homeless	196	125	-36%
Foster home	4	8	100%
Residential care group	459	416	-9%
Crisis residence	17	12	-29%
Unknown	1,089	2,029	-
Total	10,229	10,229	

# Youth Survey Analysis

## FY12 Highlights

- **8,216** surveys administered
- **6,162** unique youth
  - **4,690** youth had one survey
  - **1,472** youth had more than one survey

**Demographics:** The list below describes some of the demographics of the 6,162 unique survey respondents in FY12.

- 62% of survey respondents were White; 16% Black
- 5% of survey respondents were Hispanic/Latino
- 51% of survey respondents were Male; 49% Female
- 48.5% of youth reported they attended school at any time in the past 90 days

**Outcomes:** Table 1 shows the results of the outcome questions reported by youth receiving services in FY12. There were decreases across every outcome between Time 1 and Time 2 in this fiscal year.

**Table 1 FY12 Outcomes Analysis**

76% 	In the average number of arrests reported by youth (n=72)
77% 	In the average number of days youth reported binge drinking (5 or more alcoholic drinks) (n=22)
67% 	In the average number of days youth reported they were absent from school due to emotional/behavioral problems (n=141)
72% 	In the average number of days youth reported using drugs to get high (n=66)
47% 	In the average number of days youth reported they were absent from school due to suspension/expulsion (n=110)

**Living arrangement:** As table 2 shows, a majority of consumers were living in a private residence in FY12. In this same year, there were decreases in the number of youth residing in foster homes, residential and institutional settings, crisis residences, correctional facilities, and the streets between Time 1 and Time 2.

**Table 2 Youth living arrangements in FY12**

	Time 1	Time 2	Percent change
Private residence	1,268	1,052	-17%
Foster home	39	22	-44%
Residential care	17	6	-65%
Institutional setting	3	2	-33%
Crisis residence	37	35	-5%
Jail/correctional facility	3	0	-100%
Homeless	1	0	-100%
Unknown	104	355	-
Total	1,472	1,472	

**FY13 Highlights**

- **10,980** surveys administered
- **6,828** were unique youth
  - **4,740** youth had one survey
  - **2,088** youth had more than one survey

**Demographics:** The list below describes some of the demographics of the 6,828 unique survey respondents in FY13.

- 61% of survey respondents were White; 10% Black
- 5% of survey respondents were Hispanic/Latino
- 50% of survey respondents were Male; 50% Female
- 82% of youth reported they attended school at any time in the past 90 days

**Outcomes:** Table 3 shows the outcome question results reported by youth in FY13. Like FY12, all of the outcomes for youth decreased between Time 1 and Time 2.

**Table 3 FY13 Outcomes Analysis**

89% 	In the average number of arrests reported by youth (n=50)
72% 	In the average number of days youth reported binge drinking (5 or more alcoholic drinks) (n=17)
63% 	In the average number of days youth reported they were absent from school due to emotional/behavioral problems (n=172)
57% 	In the average number of days youth reported using drugs to get high (n=75)
40% 	In the average number of days youth reported they were absent from school due to suspension/expulsion (n=122)

**Living arrangement:** Table 4 shows most youth lived in a private residence in FY13. There were however, decreases in the number of youth living in a foster home, residential or institution setting and crisis residence between Time 1 and Time 2.

**Table 4 Youth living arrangements in FY13**

	Time 1	Time 2	Percent Change
Private residence	1,857	1,574	-15%
Foster home	13	12	-8%
Residential care	10	8	-20%
Institutional setting	0	3	300%
Crisis residence	59	45	-24%
Jail/correctional facility	0	1	100%
Unknown	149	445	-
Total	2,088	2,088	

# Parent/Guardian Survey Analysis

## FY12 Highlights

- **13,249** surveys administered
- **9,426** unique parent/guardians surveyed
  - **6,699** parent/guardian(s) had one survey
  - **2,727** parent/guardian(s) had more than one survey

**Demographics:** The list below describes the demographics of the 9,426 unique survey respondents in FY12.

- 55% of the consumers were White; 20% Black
- 7% of consumers were Hispanic/Latino
- 61% of consumers were Male; 38.5% Female
- 5% of consumers were in state custody

**Outcomes:** Table 1 below shows the change in outcomes reported by the parent/guardian(s) of consumers receiving services in FY12. All of the outcomes evaluated in FY12 decreased.

**Table 1 FY12 Outcomes Analysis**

<b>95%</b> 	In the average number of arrests reported by adults (n=25)
<b>61%</b> 	In the number of days the child was marked absent from school for behavioral/emotional problems (n=179)
<b>64%</b> 	In the number of days the child was marked absent from school due to suspension/expulsion (n=140)

**Living arrangement:** Table 2 shows that a majority of consumers lived in a private residence in FY12. There were also decreases in the number of consumers living in a foster home, residential or institutional setting.

**Table 2 Consumer living arrangements in FY12**

	Time 1	Time 2	Percent Change
Private residence	2,506	2,134	-15%
Foster home	27	16	-41%
Residential care	12	3	-75%
Institutional setting	2	0	-100%
Crisis residence	45	46	2%
Unknown	135	528	-
Total	2,727	2,727	

**FY13 Highlights**

- **14,952** surveys administered
- **9,723** unique parent/guardian(s)
  - **6,307** parent/guardian(s) had one survey
  - **3,416** parent/guardian(s) had more than one survey

**Demographics:** The list below describes the demographics of the 9,723 unique survey respondents in FY13.

- 51% of consumers were White; 13% Black
- 5.4% of consumers were Hispanic/Latino
- 60.2% of consumers were Male; 39.7% Female
- 5% of consumers were in state custody

**Outcomes:** Table 3 shows the change in outcomes reported by the parent/guardian(s) of consumers receiving services in FY13. Like FY12, all of the outcomes evaluated decreased from Time 1 to Time 2.

**Table 3 FY13 Outcomes Analysis**

<b>88%</b> 	In the average number of arrests reported by parent/guardian(s) (n=17)
<b>65%</b> 	In the number of days the child was marked absent from school for behavioral/emotional problems (n=172)
<b>47%</b> 	In the number of days the child was marked absent from school due to suspension/expulsion (n=128)

**Living arrangement:** Table 4 shows most consumers lived in a private residence in FY13. There were however, there were decreases between Time 1 and Time 2 for foster home, residential care, institutional setting, and crisis residence living arrangements.

**Table 4 Consumer living arrangements in FY13**

	Time 1	Time 2	Percent Change
Private residence	3,139	2,713	-14%
Foster home	9	4	-56%
Residential care	10	8	-20%
Institutional setting	1	0	-100%
Crisis residence	92	46	-50%
Unknown	165	645	-
Total	3,416	3,416	