

Ohio Mental Health Consumer Outcomes System

Report 15



June 2007

Office of Program Evaluation and Research

Ohio Department of Mental Health

Summary

The Consumer Outcomes in this report included results from various instruments: Adult A (Consumer and Service Provider), Adult B (Consumer), and Ohio Scales (Youth, Parent, and Agency Worker). The report employed all Outcomes ratings contained in the statewide database as of April 2, 2007 with administration dates during the last two quarters of Fiscal Year 2006 (FY06) and the first two quarters of Fiscal Year 2007 (FY07) (January 1, 2006 – December 31, 2006).

As of April 2, 2007, the statewide database contained 102,334 Adult Consumer Form A ratings from 79,990 individuals, 106,302 Provider Form A ratings on 81,279 individuals, and 53,764 Adult Consumer Form B ratings from 44,092 individuals. Comparing the demographic information between the Outcomes Received Groups and Outcomes Expected Groups for consumers completing Consumer Form A, Consumer Form B, and the Provider Form A respectively¹, the Outcomes Received and the Outcomes Expected Groups have very similar distributions in all demographic variables such as Gender, Race, Age, and Primary Diagnosis.

Results show that Quality of Life (both Overall Quality of Life and the Financial Subscale) improves gradually as the length of time between the date of agency admission and the date of Outcomes survey administration increases. At the same time there is a steadily reduction in Symptom Distress, and the most significant drop occurs between “30 days” and “90 days” after admission to the agency. The Overall Empowerment (for Consumer Form A only) remains rather consistent over time.

The Provider Form A completed by service providers indicates the Community Functioning of service recipients improves steadily as the amount of time between the date of admission and administration of the survey increases.

For the youth data as of April 2, 2007, the statewide Outcomes database contained 51,362 Youth ratings from 34,470 individuals, 91,967 Parent ratings by 62,726 parents, and 102,548 Agency Worker ratings for 66,463 individuals. The demographic distributions also showed very similar patterns in terms of Gender, Race, Age and Primary Diagnosis between the Outcomes Received and the Outcomes Expected Groups² from the three ratings respectively.

From all three ratings of the Ohio Scales (i.e. youth, parent, and agency worker), the most significant improvement in the Problem Severity scores and the Functioning scores occurs between the “30 days” and the “90 days” points after agency admission.

On average, the youth rate themselves higher in Functioning and lower in Problem Severity, compared to parents and agency workers. Parents rate the highest average scores in Problem Severity, compared to the youth and agency worker ratings.

As the time between service admission and the administration of the Outcomes survey increases, the Hopefulness scores and Satisfaction scores for youth and parents improve gradually. The time between the “30 days” and “90 days” categories was shown to be an important period with significant improvement in the Hopefulness scores and Satisfaction scores.

For the Restrictiveness of Living Environment (ROLES) rated by agency workers, there is slight improvement over time but the most significant improvement happens between the “30 days” and “90 days” categories.

¹ Individuals who were at least 18 years of age with an eligible claims submitted for during the time period of this report.

² Individuals who were at least five years of age and less than 18 years of age with an eligible claims submitted for during the report period.

Purpose of the Report

The purpose of this report is to provide constituents in the mental health system with statewide data that they can use to compare an individual's scores or average agency or board area scores.

This report is organized into three major sections, consistent with the three populations currently surveyed by the Consumer Outcomes System's instruments:

- 1) **Adult A:** Adults with Severe and Persistent Mental Illness (beginning on page 2)
- 2) **Adult B:** Adults with Less Severe Mental Illnesses (General Mental Health Population) (beginning on page 17)
- 3) **Youth** (beginning on page 27).

Demographic and Outcomes status data, for all ratings contained in the statewide database as of April 2, 2007 with administration dates during the last two quarters of Fiscal Year 2006 (FY06) and the first two quarters of Fiscal Year 2007 (FY07) (January 1, 2006 – December 31, 2006), are presented for each section. As the Consumer Outcomes System includes two instruments for adults with severe and persistent mental illness (Adult Consumer Form A and Provider Form A), demographic and Outcomes status data are presented separately for each Adult A instrument.

Each "Outcomes Status" section attempts to demonstrate the impact of time in treatment by including bar graphs that display average scores for several categories of ratings based on the length of time between the date of agency admission and the date of Outcomes survey administration. As all ratings in the last two quarters of FY06 and the first two quarters of FY07 (January 1, 2006 – December 31, 2006) are included in these bar graphs, it is important to remember that an individual could be represented in more than one of the rating categories (e.g., "30 days" as well as "180 days"), or represented more than once in a single rating category (e.g., have two ratings in the "1 year" category). In addition, the length of time between the date of agency admission and date of Outcomes survey administration does not necessarily provide a measure of the length of time someone has received mental health services (i.e., individuals may have received services at another agency or been previously discharged and readmitted to their current service agency).

Recommendations for additional content items, as well as suggestions for improvement, are always welcome. Please direct your comments to Kwok Kwan Tam in the Office of Program Evaluation and Research at the Ohio Department of Mental Health (E-mail: tamk@mh.state.oh.us; Phone: (614)752-9706).

Adult A: Adults with Severe and Persistent Mental Illness

The Ohio Mental Health Consumer Outcomes System includes two instruments for adults with severe and persistent mental illness: 1) Adult Consumer Form A, and 2) Provider Form A. For each instrument, demographic and Outcomes data are summarized.

Adult Consumer Form A: Demographics

As of April 2, 2007 the statewide Outcomes database contained 102,334 Adult Consumer Form A ratings from 79,990 individuals with administration dates during the last two quarters of Fiscal Year 2006 (FY06) and the first two quarters of Fiscal Year 2007 (FY07) (January 1, 2006 – December 31, 2006). These data were submitted by 47 of Ohio's 50 board areas.

In the following tables, the **Outcomes Received** group includes the 79,990 individuals in the statewide database. MACSIS Claims and Enrollment data were used in order to determine the extent to which the data received are representative of what is expected in terms of major demographic characteristics. The **Outcomes Expected** group includes 94,280 individuals who were at least 18 years of age with an eligible claim submitted for during the last two quarters of FY06 and the first two quarters of FY07 (January 1, 2006 – December 31, 2006)³.

The following tables compare the demographic characteristics of the Outcomes Received group with the Outcomes Expected group for a number of variables⁴, and also present demographic variables that are only collected from the Outcomes Received group.

Gender

The gender distribution between the Outcomes Received and the Outcomes Expected groups shows a very similar pattern. There are slightly more males in the Outcomes Expected group.

	Outcomes Received (N=79,990)	Outcomes Expected (N=94,280)
Female	57.7%	55.9%
Male	42.2%	44.1%
Unknown/Missing information	0.1%	<0.1%
TOTAL	100%	100%

³ Eligible claims were determined by the criteria set forth in The Ohio Mental Health Consumer Outcomes System: Procedural Manual, p. 3-9. However, 16,560 (20.7%) of individuals with Outcomes on Adult Consumer Form A had claims only for Behavioral Health Counseling and Therapy, or Pharmacologic Management from the MACSIS data.

⁴ Gender, race, age and primary diagnosis data are available from MACSIS Claims and Enrollment.

Race

Compared to the Outcomes Expected group, the Outcomes Received group is made up of 2.9% fewer Blacks/African-Americans. There are differences of less than two percent between the Outcomes Received group and the Outcomes Expected group for all other racial categories.

	Outcomes Received (N=79,990)	Outcomes Expected (N=94,280)
White/Caucasian	69.4%	69.1%
Black/African-Am.	22.5%	25.4%
Hispanic/Latino	1.4%	0.5%
Native Am./P.I.	0.7%	0.4%
Asian	0.3%	0.4%
Multi-racial	4.0%	2.1%
Unknown/Missing information	1.7%	2.2%
TOTAL	100%	100%

Age

The ages of the Outcomes Received group and the Outcomes Expected group show very similar distributions. On average, the Outcomes Expected group is one year older than those from the Outcomes Received group (for Outcomes Received group, mean=42.3, S.D.=13.8; and for Outcomes Expected group, mean=43.2, S.D.=14.0).

	Outcomes Received (N=79,990)	Outcomes Expected (N=94,280)
≤24	12.2%	11.9%
25-34	20.2%	17.3%
35-44	24.3%	23.8%
45-54	26.2%	28.1%
55-64	12.0%	13.1%
65+	5.1%	5.8%
Unknown/Missing Information	-	-
TOTAL	100%	100%

Primary Diagnosis

The Outcomes Received group and the Outcomes Expected group show very similar distributions in the primary diagnosis. Slightly more than half of each group have a diagnosis of “Mood Disorders”, which includes Depression Disorder, Bipolar Disorder, and all other Mood Disorders. “Schizophrenia and Other Psychotic Disorders” is the second largest diagnostic group, which comprised about one-third of the Outcomes Expected group. About a quarter of the respondents in the Outcomes Received group were diagnosed with “Schizophrenia and Other Psychotic Disorders.”

	Outcomes Received (N=79,990)	Outcomes Expected (N=94,280)
Substance-Related Disorders	2.8%	2.3%
Schizophrenia & Other Psychotic Disorders	24.9%	31.2%
Mood Disorders (includes Depressive, Bipolar, Other)	54.2%	52.1%
A. Depressive Disorders	33.3%	30.6%
B. Bipolar Disorders	17.9%	18.8%
C. All Other Mood Disorders	3.0%	2.7%
Anxiety Disorders	6.9%	5.7%
Adjustment Disorders	5.2%	2.9%
Personality Disorders	0.9%	0.9%
All Other Diagnoses ⁵	4.4%	4.5%
Unknown/Missing Information	0.9%	0.4%
TOTAL	100%	100%

Education *(only collected from individuals with Outcomes data)*

Approximately 30% of all the ratings in the Outcomes Received group are from individuals who indicated they do not have a high school diploma/GED; another 30% are from individuals who indicated the highest education they have obtained is a high school diploma/GED. Twenty eight percent indicated they have received further education. Five percent of consumers have earned at least a four-year degree.

	Outcomes Received	
	Number	Percent
<H.S. diploma/GED	22,729	28.4%
H.S. diploma/GED	24,282	30.4%
>H.S. diploma/GED & <4 yr degree	18,349	22.9%
4 yr degree and above	4,357	5.4%
Unknown/Missing Information	10,273	12.8%
TOTAL	70,902	100%

⁵ Other diagnoses include attention-deficit and disruptive behavior disorders, delirium, dementia, amnesic disorders, impulse-control disorders, mental disorders due to a general medical condition, dissociative disorders, and sexual and gender identity disorders.

Marital Status (only collected from individuals with Outcomes data)

Around 37% of the ratings in the “Outcomes Received” group are from individuals who reported they have never been married. Another 29% percent are divorced or separated individuals.

	Outcomes Received	
	Number	Percent
Never married	29,484	36.9%
Married	10,166	12.7%
Separated	4,822	6.0%
Divorced	18,010	22.5%
Widowed	2,798	3.5%
Living together	2,528	3.2%
Unknown/Missing Information	12,182	15.2%
TOTAL	79,990	100%

Living Situation (only collected from individuals with Outcomes data)

Forty-eight percent of the individuals in the Outcomes Received group reported living in their own house/apartment; about 23% reported living in a relative’s home or a friend’s home.

	Outcomes Received	
	Number	Percent
Your own house/apartment	38,362	48.0%
Friend's home	4,374	5.5%
Relative's home	14,259	17.8%
Supervised living	5,317	6.6%
Nursing facility	1,130	1.4%
Foster care	149	0.2%
MH treatment facility	632	0.8%
Homeless	2,347	2.9%
Correctional facility	433	0.5%
Other	2,653	3.3%
Unknown/Missing Information	10,334	12.9%
TOTAL	79,990	100%

Employment Status (only collected from individuals with Outcomes data)

Fifteen percent of the individuals in the Outcomes Received group reported working full or part time. Another 58% of the Outcomes ratings are from individuals who reported they are either unemployed or disabled.

	Outcomes Received	
	Number	Percent
Full time	5,930	7.4%
Part time	6,276	7.8%
Sheltered employment	567	0.7%
Unemployed	23,707	29.6%
Homemaker	2,308	2.9%
Student	751	0.9%
Retired	2,457	3.1%
Disabled	23,192	29.0%
Inmate of institution	347	0.4%
Other	764	1.0%
Unknown/Missing Information	13,691	17.1%
TOTAL	79,990	100%

Adult Consumer Form A: Outcomes Status

The following graphs summarize the 102,334 Consumer Form A ratings from 79,990 individuals in the statewide Outcomes database with administration dates during the last two quarters of FY06 and the first two quarters of FY07 (January 1, 2006 – December 31, 2006). They demonstrate the impact of time in treatment as measured by the length of time between the date of agency admission and the date of Outcomes survey administration.

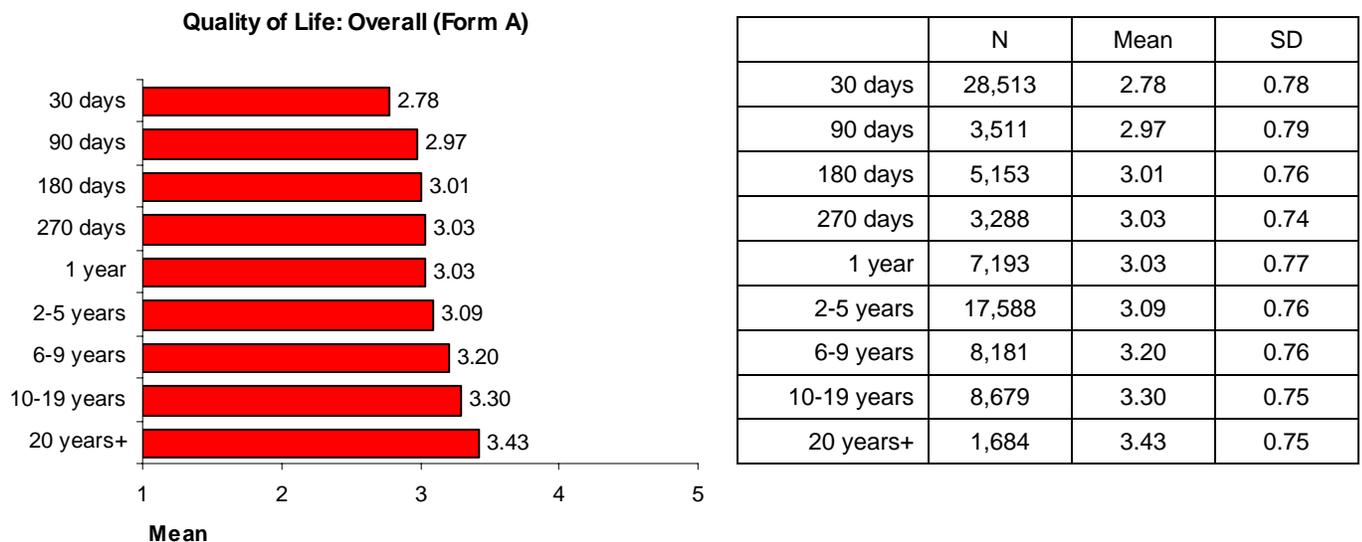
SCALES

Adult Consumer Form A includes three scales: 1) Quality of Life, 2) Symptom Distress, and 3) Empowerment. In addition, data are presented for the Quality of Life Financial subscale.

Quality of Life: Overall

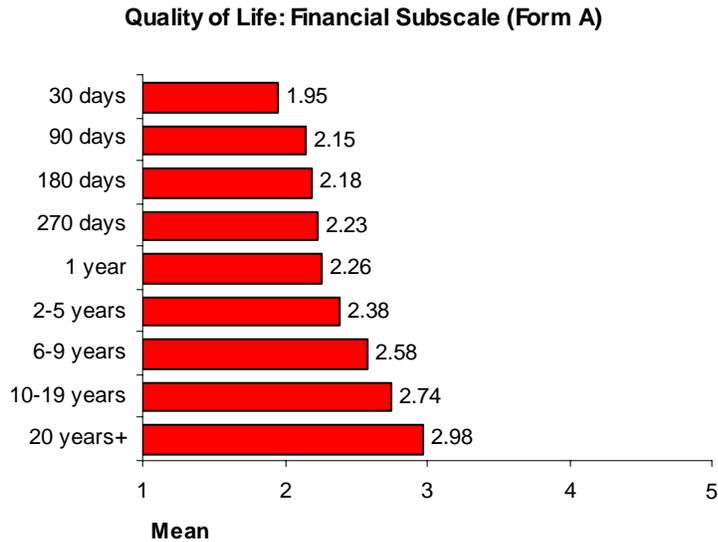
The Overall Quality of Life scale is the average of the first 12 items on Adult Consumer Form A (Part 1, Questions 1-12). These items assess satisfaction with various aspects of consumers' lives including satisfaction with friendships, finances, family relationships, and living arrangements. The scale ranges from one to five, with higher scores indicating greater satisfaction with quality of life.

As displayed in the following graph, average Quality of Life scale scores generally increase as the amount of time between the date of admission and the date when an individual does the Consumer A instrument increases.



Quality of Life: Financial Subscale

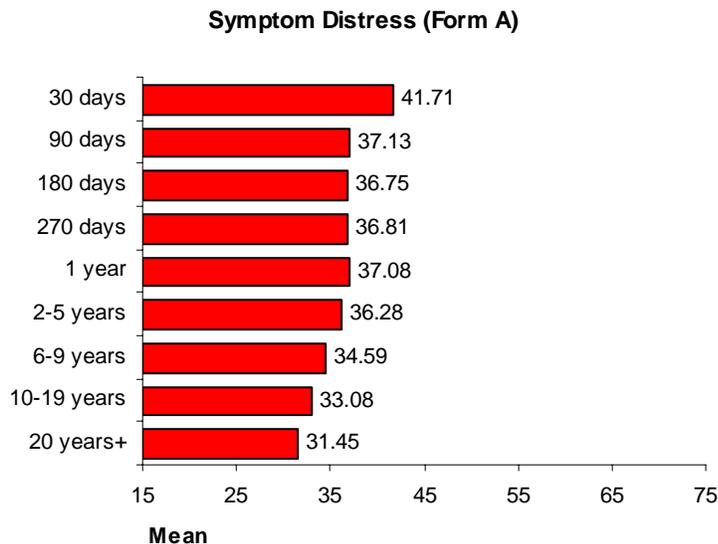
The Financial subscale is the average of three Overall Quality of Life scale items pertaining to satisfaction with finances (Part 1, Questions 2-4). As with the Overall Quality of Life scale, the Financial subscale ranges from one to five, with higher scores indicating greater satisfaction with finances. Similar to the Overall Quality of Life scale, average Financial subscale scores increase as the amount of time between the date of admission and date of Outcomes administration increases.



	N	Mean	SD
30 days	28,709	1.95	1.01
90 days	3,524	2.15	1.07
180 days	5,171	2.18	1.06
270 days	3,297	2.23	1.07
1 year	7,215	2.26	1.10
2-5 years	17,671	2.38	1.09
6-9 years	8,234	2.58	1.11
10-19 years	8,719	2.74	1.11
20 years+	1,700	2.98	1.11

Symptom Distress

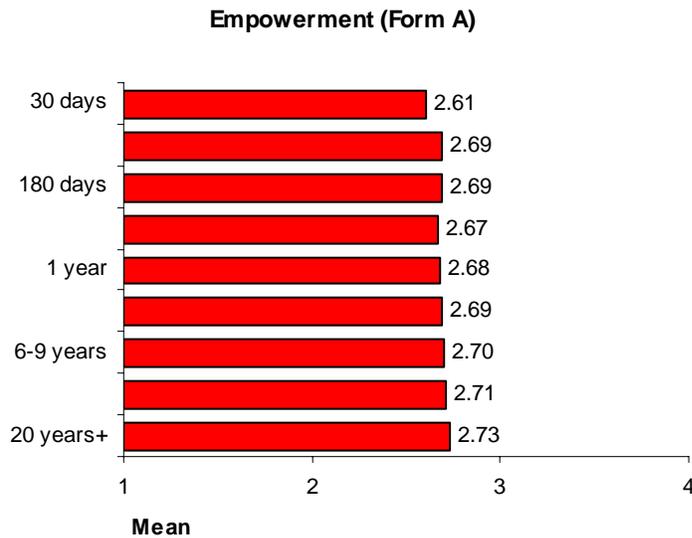
The Symptom Distress scale is the sum of 15 Adult Consumer Form A items (Part 3, Questions 17-31), and was designed to measure the amount of distress caused by psychiatric symptoms. Scale scores range from 15 to 75; higher scores indicate more symptom distress. Average Symptom Distress scale scores generally decrease, indicating improvement, as the amount of time between the date of admission and date of Outcomes administration increases. The most significant drop occurs between the “30 days” and the “90 days” categories.



	N	Mean	SD
30 days	29,052	41.71	14.95
90 days	3,548	37.13	15.08
180 days	5,191	36.75	14.61
270 days	3,303	36.81	14.37
1 year	7,238	37.08	14.44
2-5 years	17,723	36.28	14.09
6-9 years	8,239	34.59	13.66
10-19 years	8,745	33.08	13.32
20 years+	1,706	31.45	12.57

Empowerment: Overall

The Overall Empowerment scale is the average of 28 items on Adult Consumer Form A (Part 4, Questions 34-61). It was designed to measure the construct of personal empowerment as defined from a consumer perspective. Scale scores range from one to four, with higher scores indicative of greater empowerment. Average Overall Empowerment scale scores remain fairly consistent and increase only slightly as the length of time between the date of agency admission and the date of Outcomes survey administration increases.



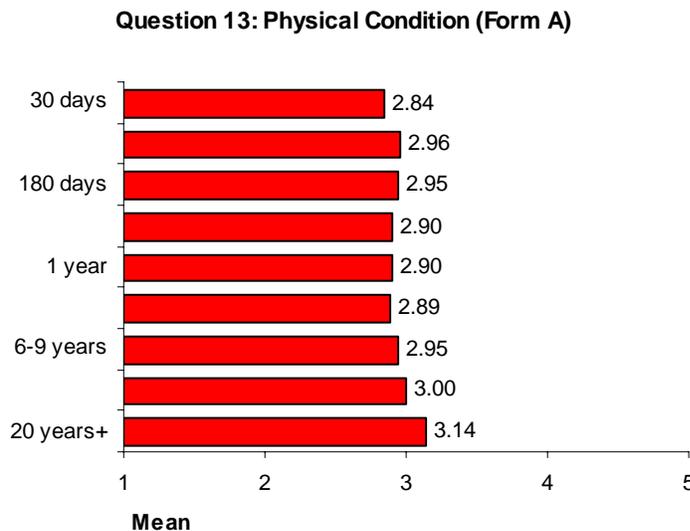
	N	Mean	SD
30 days	27,051	2.61	0.35
90 days	3,406	2.69	0.34
180 days	5,037	2.69	0.34
270 days	3,179	2.67	0.35
1 year	6,953	2.68	0.34
2-5 years	17,032	2.69	0.34
6-9 years	7,888	2.70	0.34
10-19 years	8,288	2.71	0.32
20 years+	1,625	2.73	0.30

INDIVIDUAL ITEMS

Adult Consumer Form A contains six questions that are not included in any of the scales or subscales (Questions 13-16, 32 and 33). The following graphs display average scores for several categories of ratings based on the length of time between the date of agency admission and the date of Outcomes survey administration.

Question 13

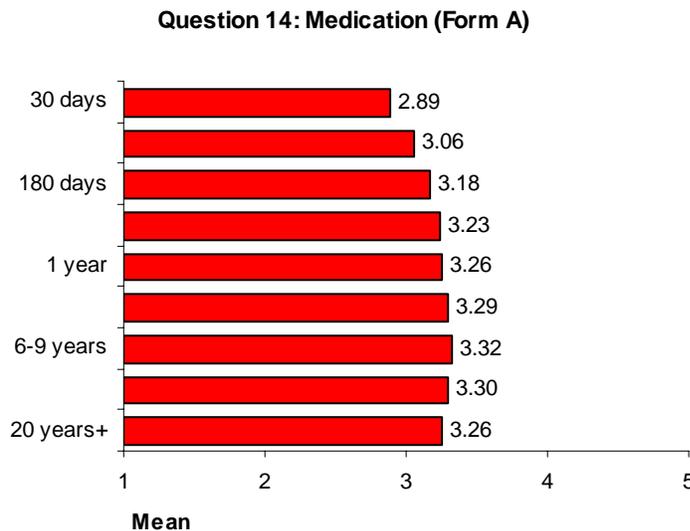
How often does your physical condition interfere with your day-to-day functioning?
1=Always; 5=Never



	N	Mean	SD
30 days	27,472	2.84	1.35
90 days	3,411	2.96	1.33
180 days	5,026	2.95	1.31
270 days	3,170	2.90	1.27
1 year	7,006	2.90	1.28
2-5 years	17,083	2.89	1.26
6-9 years	7,966	2.95	1.24
10-19 years	8,462	3.00	1.23
20 years+	1,639	3.14	1.19

Question 14

Concerns about my medications (such as side effects, dosage, and type of medication) are addressed:
1=Never; 5=Always

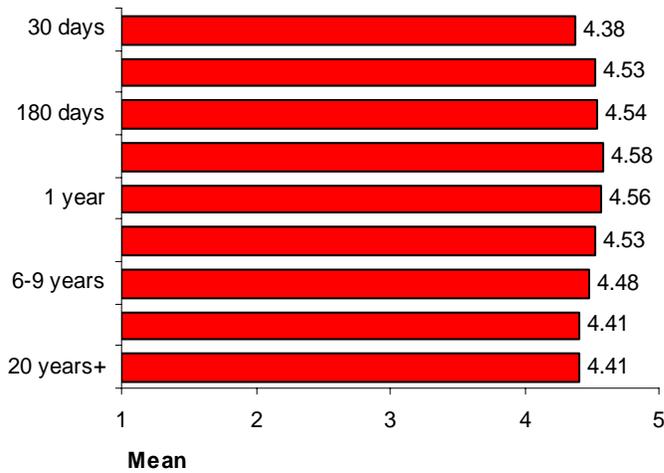


	N	Mean	SD
30 days	22,794	2.89	1.39
90 days	3,040	3.06	1.39
180 days	4,735	3.18	1.36
270 days	3,046	3.23	1.36
1 year	6,825	3.26	1.34
2-5 years	17,021	3.29	1.34
6-9 years	7,999	3.32	1.34
10-19 years	8,553	3.30	1.35
20 years+	1,656	3.26	1.32

Question 15

I have been treated with dignity and respect at this agency.
1=Never; 5=Always

Question 15: Treated with Dignity & Respect (Form A)

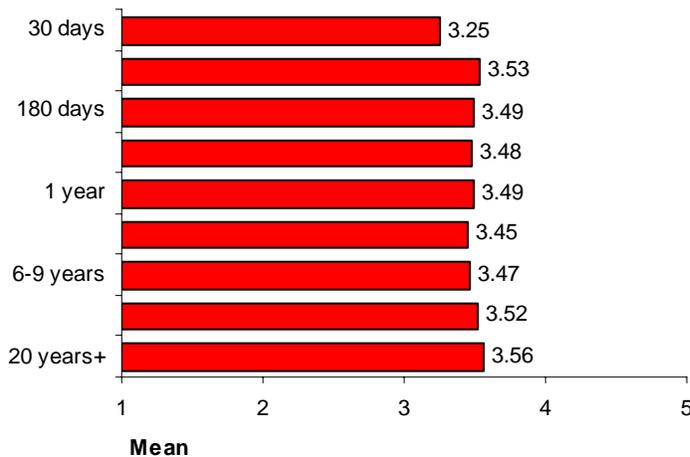


	N	Mean	SD
30 days	24,988	4.38	1.06
90 days	3,429	4.53	0.87
180 days	5,154	4.54	0.88
270 days	3,298	4.58	0.81
1 year	7,218	4.56	0.84
2-5 years	17,679	4.53	0.85
6-9 years	8,207	4.48	0.88
10-19 years	8,739	4.41	0.96
20 years+	1,702	4.41	0.97

Question 16

How often do you feel threatened by people's reactions to your mental health problems?
1=Always; 5=Never

Question 16: Felt Threatened by People's Reactions (Form A)

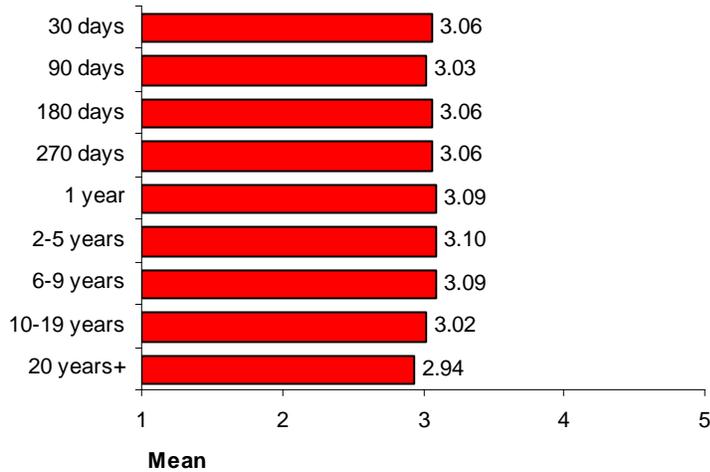


	N	Mean	SD
30 days	27,823	3.25	1.37
90 days	3,491	3.53	1.29
180 days	5,164	3.49	1.29
270 days	3,277	3.48	1.29
1 year	7,204	3.49	1.27
2-5 years	17,633	3.45	1.26
6-9 years	8,197	3.47	1.25
10-19 years	8,713	3.52	1.25
20 years+	1,694	3.56	1.24

Question 32

How often can you tell when mental or emotional problems are about to occur?
 1=Never; 5=Always

Question 32: Tell When Problems to Occur (Form A)

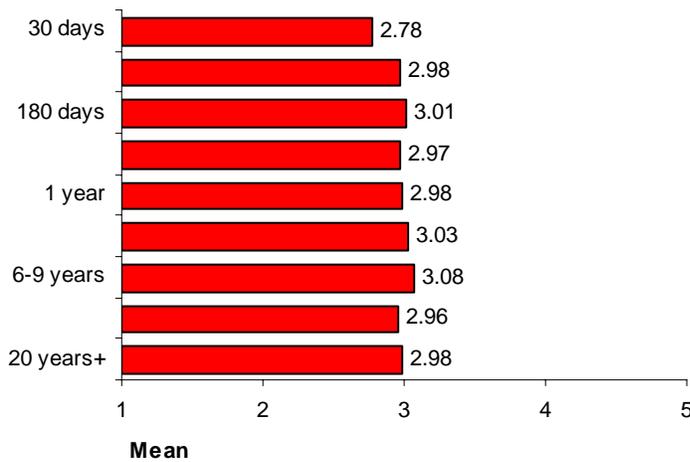


	N	Mean	SD
30 days	28,486	3.06	1.19
90 days	3,493	3.03	1.18
180 days	5,149	3.06	1.13
270 days	3,261	3.06	1.16
1 year	7,191	3.09	1.14
2-5 years	17,539	3.10	1.13
6-9 years	8,115	3.09	1.14
10-19 years	8,604	3.02	1.17
20 years+	1,679	2.94	1.18

Question 33

When you can tell, how often can you take care of the problems before they become worse?
 1=Never; 5=Always

Question 33: Take Care of Problems (Form A)



	N	Mean	SD
30 days	27,992	2.78	1.09
90 days	3,463	2.98	1.11
180 days	5,061	3.01	1.09
270 days	3,244	2.97	1.10
1 year	7,108	2.98	1.10
2-5 years	17,381	3.03	1.09
6-9 years	8,049	3.08	1.14
10-19 years	8,533	2.96	1.23
20 years+	1,657	2.98	1.25

Provider Form A: Demographics

As of April 2, 2007, the statewide Outcomes database contained 106,302 Provider Form A ratings of 81,279 individuals with administration dates during the last two quarters of FY06 and the first two quarters of FY07 (January 1, 2006 – December 31, 2006). These data were submitted by 47 of Ohio's 50 board areas.

In the following tables, the **Outcomes Received** group includes the 81,279 individuals in the statewide database. MACSIS Claims and Enrollment data were used in order to determine the extent to which the data received are representative of what is expected in terms of major demographic characteristics. The **Outcomes Expected** group⁶ includes 94,280 individuals who were at least 18 years of age with an eligible claim submitted for during the last two quarters of FY06 and the first two quarters of FY07 (January 1, 2006 – December 31, 2006)⁷.

The following tables compare the demographic characteristics of the Outcomes Received group with the Outcomes Expected group⁸.

Gender

The Outcomes Received and the Outcomes Expected groups show a very similar gender distribution. There are slightly more females in the Outcomes Received group.

	Outcomes Received (N=81,279)	Outcomes Expected (N=94,280)
Female	56.9%	55.9%
Male	41.5%	44.1%
Unknown/Missing Information	1.6%	<0.1%
TOTAL	100%	100%

⁶ The Outcomes Expected group for Provider Form A is equivalent to the Outcomes Expected group for Adult Consumer Form A.

⁷ Eligible claims were determined by the criteria set forth in The Ohio Mental Health Consumer Outcomes System: Procedural Manual, p. 3-9. However, 16,886 (20.7%) individuals submitted Outcomes on Provider Form A for persons who had claims only for Behavioral Health Counseling and Therapy, or Pharmacologic Management from the MACSIS data.

⁸ Gender, race, age and primary diagnosis data are from MACSIS Claims and Enrollment.

Race

Both the Outcomes Expected group and the Outcomes Received group show very similar distributions in race. Compared to the Outcomes Expected group, the Outcomes Received group is made up of 3.4% fewer Blacks/African-Americans than the Outcomes Expected group. On the other hand, more respondents from the Outcomes Received group identified themselves as being in the “Multi-racial” group or don’t have valid information about their race in the survey instrument.

	Outcomes Received (N=81,279)	Outcomes Expected (N=94,280)
White/Caucasian	68.9%	69.1%
Black/African-Am.	22.0%	25.4%
Hispanic/Latino	1.3%	0.5%
Native Am./P.I.	0.6%	0.4%
Asian	0.3%	0.4%
Multi-racial	3.8%	2.1%
Unknown/Missing Information	3.0%	2.2%
TOTAL	100%	100%

Age

On average, the age of the Outcomes Received group (mean=42.3, S.D.=13.6) is slightly younger than the Outcomes Expected group (mean 43.2 S.D.=14.0).

	Outcomes Received (N=81,279)	Outcomes Expected (N=94,280)
≤24	12.1%	11.9%
25-34	20.1%	17.3%
35-44	24.0%	23.8%
45-54	25.7%	28.1%
55-64	11.7%	13.1%
65+	4.9%	5.8%
Unknown/Missing Information	1.6%	-
TOTAL	100%	100%

Primary Diagnosis

More than half of the ratings in both the Outcomes Received group and the Outcomes Expected group are on individuals who have primary diagnoses of “Mood Disorders”. “Schizophrenia and Other Psychotic Disorders” is the second largest group from both the Outcomes Received group (24%) and the Outcomes Expected group (31%). There is also a similar pattern in the distribution of various other diagnostic groups between Outcomes Received group and Outcomes Expected group.

	Outcomes Received (N=81,279)	Outcomes Expected (N=94,280)
Substance-Related Disorders	2.7%	2.3%
Schizophrenia & Other Psychotic Disorders	24.1%	31.2%
Mood Disorders (includes Depressive, Bipolar, Other)	53.2%	52.1%
A. Depressive Disorders	32.7%	30.6%
B. Bipolar Disorders	17.6%	18.8%
C. All Other Mood Disorders	2.9%	2.7%
Anxiety Disorders	6.9%	5.7%
Adjustment Disorders	5.3%	2.9%
Personality Disorders	0.9%	0.9%
All Other Diagnoses ⁹	4.4%	4.5%
Unknown/Missing Information	2.3%	0.4%
TOTAL	100%	100%

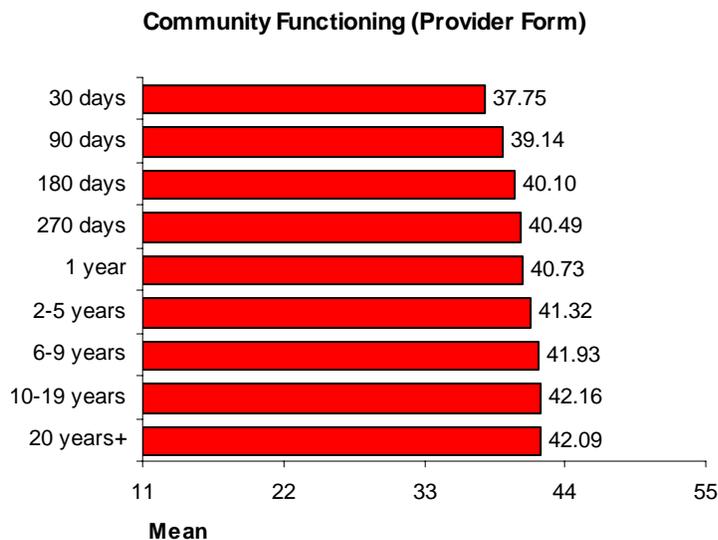
⁹ Other diagnoses include attention-deficit and disruptive behavior disorders, delirium, dementia, amnesic disorders, impulse-control disorders, mental disorders due to a general medical condition, dissociative disorders, and sexual and gender identity disorders.

Provider Form A: Outcomes Status

The following graphs summarize the 106,302 Provider Form A ratings in the statewide Outcomes database with administration dates during the last two quarters of FY06 and the first two quarters of FY07 (January 1, 2006 – December 31, 2006). They demonstrate the impact of time in treatment as measured by the length of time between the date of agency admission and the date of Outcomes survey administration.

Community Functioning

The Community Functioning scale is the sum of recoded questions one through eleven¹⁰. These items measure functional status, as well as safety and health, and include questions pertaining to social support, housing stability, performance of day-to-day living activities, and participation in meaningful activities. The scale ranges from 11 to 55, with higher scores indicating better community functioning. The average Community Functioning scale scores gradually increase as the amount of time between the date of admission and the date of Outcomes administration increases.



	N	Mean	SD
30 days	25,412	37.75	7.01
90 days	4,922	39.14	6.93
180 days	6,907	40.10	6.75
270 days	4,301	40.49	6.69
1 year	8,814	40.73	6.54
2-5 years	20,492	41.32	6.24
6-9 years	8,883	41.93	5.82
10-19 years	9,788	42.16	5.44
20 years+	1,933	42.09	5.42

¹⁰ Details regarding the computation of this scale can be found in [The Ohio Mental Health Consumer Outcomes System: Procedural Manual](#), p. 6-14.

ADULT B: Adults with Less Severe Mental Illnesses (General Mental Health Population)

During the time period of this report, the Ohio Mental Health Consumer Outcomes System included one instrument for adults with less severe mental illnesses: Adult Consumer Form B. There was no Provider Form for this population.

Adult Consumer Form B: Demographics

As of April 2, 2007 the statewide Outcomes database contained 53,764 Adult Consumer Form B ratings from 44,092 individuals with administration dates during the last two quarters of FY06 and the first two quarters of FY07 (January 1, 2006 – December 31, 2006). These data were submitted by 48 of Ohio's 50 board areas.

In the following tables, the Outcomes Received group includes the 44,092 individuals in the statewide database. MACSIS Claims and Enrollment data were used in order to determine the extent to which the data received are representative of what is expected in terms of major demographic characteristics. The Outcomes Expected group includes 76,554 individuals who were at least 18 years of age with an eligible claim submitted for during the last two quarters of FY06 and the first two quarters of FY07 (January 1, 2006 – December 31, 2006)¹¹.

The following tables compare the demographic characteristics of the Outcomes Received group with the Outcomes Expected group for a number of variables, and also present demographic variables that are only collected from the Outcomes Received group¹².

Gender

The gender distributions in the Outcomes Received and Outcomes Expected groups show a very similar pattern.

	Outcomes Received (N=44,092)	Outcomes Expected (N=76,554)
Female	62.4%	63.0%
Male	36.7%	37.0%
Unknown/Missing Information	0.9%	<0.1%
TOTAL	100%	100%

¹¹ Eligible claims were determined by the criteria set forth in The Ohio Mental Health Consumer Outcomes System: Procedural Manual, p. 3-9. However, 7,416 (16.8%) individuals submitting Outcomes with Adult Consumer Form B had claims other than those in Behavioral Health Counseling and Therapy, or Pharmacologic Management from the MACSIS data, i.e. they should have been submitted on Adult Consumer Form A instead.

¹² Gender, race, age and primary diagnosis data are from MACSIS Claims and Enrollment.

Race

Compared to the Outcomes Expected group, the Outcomes Received group is made up of fewer Whites/Caucasians (4.2%). On the other hand, there are more respondents who have not provided valid information concerning their race from the Outcomes Received group than the Outcomes Expected group.

	Outcomes Received (N=44,092)	Outcomes Expected (N=76,554)
White/Caucasian	78.2%	82.4%
Black/African-Am.	12.9%	13.4%
Hispanic/Latino	1.4%	0.5%
Native Am./P.I.	0.6%	0.3%
Asian	0.2%	0.2%
Multi-racial	2.6%	1.4%
Unknown/Missing Information	3.4%	1.8%
TOTAL	100%	100%

Age

Both the Outcomes Received group (mean=37.3 S.D.=13.1) and the Outcomes Expected group (mean=37.9, S.D.=13.4) show very similar age distributions.

	Outcomes Received (N=44,092)	Outcomes Expected (N=76,554)
≤24	19.6%	19.3%
25-34	29.0%	26.8%
35-44	23.8%	23.8%
45-54	17.9%	19.4%
55-64	6.9%	8.0%
65+	2.9%	2.7%
Unknown/Missing Information	-	<0.1%
TOTAL	100%	100%

Primary Diagnosis

About 46% of the ratings in the Outcomes Received group are from individuals who have primary diagnoses that are included in the “Mood Disorders” category; another 18% have diagnoses in the “Adjustment Disorders” category. The Outcomes Received group contains fewer individuals with mood disorders, and more individuals with adjustment disorders or in the “all other diagnoses” group, than the Outcomes Expected group.

	Outcomes Received (N=44,092)	Outcomes Expected (N=75,376)
Substance-Related Disorders	4.5%	3.7%
Schizophrenia & Other Psychotic Disorders	4.4%	4.8%
Mood Disorders (includes Depressive, Bipolar, Other)	46.4%	56.2%
A. Depressive Disorders	32.5%	39.5%
B. Bipolar Disorders	10.7%	13.1%
C. All Other Mood Disorders	3.2%	3.6%
Anxiety Disorders	10.5%	11.9%
Adjustment Disorders	18.1%	14.7%
Personality Disorders	0.7%	0.8%
All Other Diagnoses ¹³	12.0%	7.8%
Unknown/Missing Information	3.5%	-
TOTAL	100%	100%

Education *(only collected from individuals with Outcomes data)*

Twenty-six percent of the ratings in the Outcomes Received group are from individuals who indicated they do not have a high school diploma/GED; about one-third are from individuals who indicated the highest degree they have obtained is a high school diploma/GED. Thirty-one percent of respondents indicated they have received further education. Five percent of the Outcomes Received group have earned at least a four-year degree.

	Outcomes Received	
	Number	Percent
<H.S. diploma/GED	11,106	25.2%
H.S. diploma/GED	14,370	32.6%
>H.S. diploma/GED & <4 yr degree	11,519	26.1%
4 yr degree and above	2,585	5.9%
Unknown/Missing Information	4,512	10.2%
TOTAL	44,092	100%

¹³ Other diagnoses include attention-deficit and disruptive behavior disorders, delirium, dementia, amnesic disorders, impulse-control disorders, mental disorders due to a general medical condition, dissociative disorders, and sexual and gender identity disorders.

Marital Status (only collected from individuals with Outcomes data)

Thirty percent of the ratings in the Outcomes Received group are from individuals who reported they have never been married. Slightly more than a quarter of the sample is divorced or separated individuals, and 20% is individuals who reported they are married.

	Outcomes Received	
	Number	Percent
Never married	13,838	31.4%
Married	8,674	19.7%
Separated	3,401	7.7%
Divorced	8,768	19.9%
Widowed	1,242	2.8%
Living together	2,508	5.7%
Unknown/Missing Information	5,661	12.8%
TOTAL	44,092	100%

Living Situation (only collected from individuals with Outcomes data)

Approximately half of the individuals in the Outcomes Received group reported living in their own house/apartment; another 28% reported living in a relative's home or friend's home.

	Outcomes Received	
	Number	Percent
Your own house/apartment	21,967	49.8%
Friend's home	2,964	6.7%
Relative's home	9,259	21.0%
Supervised living	2,016	4.6%
Nursing facility	639	1.4%
Foster care	64	0.1%
MH treatment facility	208	0.5%
Homeless	568	1.3%
Correctional facility	98	0.2%
Other	1,907	4.3%
Unknown/Missing Information	4,402	10.0%
TOTAL	44,092	100%

Employment Status (only collected from individuals with Outcomes data)

About 27% of the ratings are from individuals who reported working either full-time or part-time. Forty-eight percent of the ratings in the Outcomes Received group are from individuals who reported they are either unemployed or disabled.

	Outcomes Received	
	Number	Percent
Full time	7,205	16.3%
Part time	4,840	11.0%
Sheltered employment	296	0.7%
Unemployed	13,581	30.8%
Homemaker	2,372	5.4%
Student	604	1.4%
Retired	1,227	2.8%
Disabled	7,409	16.8%
Inmate of institution	73	0.2%
Other	494	1.1%
Unknown/Missing Information	5,991	13.6%
TOTAL	44,092	100%

Adult Consumer Form B: Outcomes Status

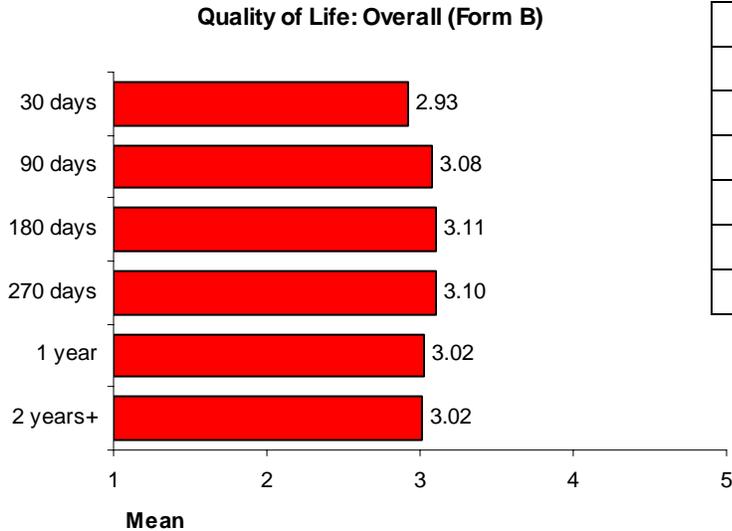
The following graphs summarize the 53,764 Adult Consumer Form B ratings in the statewide Outcomes database with administration dates during the last two quarters of FY06 and the first two quarters of FY07 (January 1, 2006 – December 31, 2006). They demonstrate the impact of time in treatment as measured by the length of time between the date of agency admission and the date of Outcomes survey administration.

SCALES

Adult Consumer Form B includes two scales: 1) Quality of Life, and 2) Symptom Distress. In addition, data are presented for the Quality of Life Financial subscale.

Quality of Life: Overall

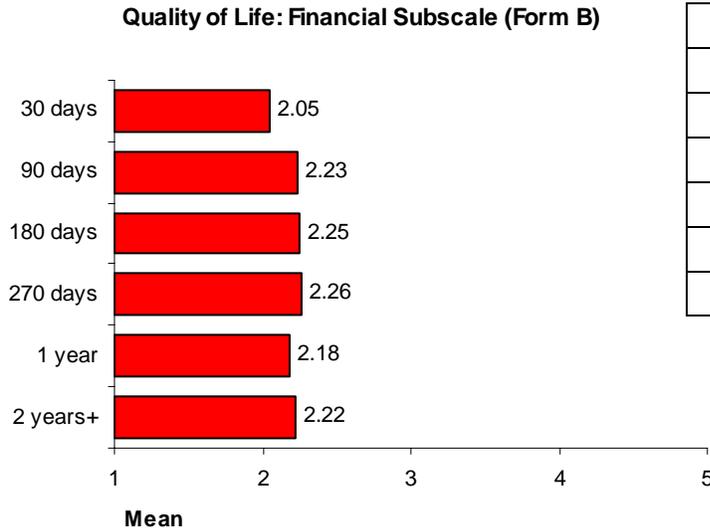
The Overall Quality of Life scale is the average of the first 12 items on Adult Consumer Form B (Part 1, Questions 1-12). These items assess satisfaction with various aspects of consumers' lives including satisfaction with friendships, finances, family relationships, and living arrangements. The scale ranges from one to five, with higher scores indicating greater satisfaction with quality of life. Average Overall Quality of Life scale scores improve from the "30 days" category to the "90 days" category with a peak at the "180 days" category. The average Quality of Life score then drops slightly as the length of time between the date of agency admission and the date of Outcomes survey administration increases.



	N	Mean	SD
30 days	28,380	2.93	0.77
90 days	3,316	3.08	0.80
180 days	2,582	3.11	0.78
270 days	1,480	3.10	0.79
1 year	2,775	3.02	0.78
2 years+	8,013	3.02	0.77

Quality of Life: Financial Subscale

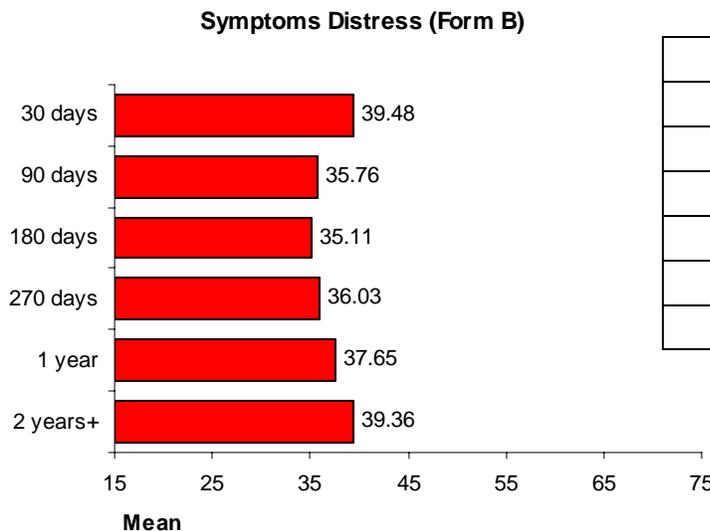
The Financial subscale is the average of three Quality of Life scale items pertaining to satisfaction with finances (Part 1, Questions 2-4). As with the Overall Quality of Life scale, the Financial subscale ranges from one to five, with higher scores indicating greater satisfaction with finances. For the Quality of Life Financial Subscale the average score improves most from the “30 days” category to the “90 days” category and then remains fairly consistent after the “270 days” category. Those who completed the survey after “270 days” from their date of admission to services showed the highest average score in the Quality of Life Financial subscale.



	N	Mean	SD
30 days	28,489	2.05	1.01
90 days	3,334	2.23	1.07
180 days	2,579	2.25	1.07
270 days	1,494	2.26	1.08
1 year	2,787	2.18	1.04
2 years+	8,062	2.22	1.08

Symptom Distress

The Symptom Distress scale is the sum of 15 Adult Consumer Form B items (Part 3, Questions 17-31), and was designed to measure the amount of distress caused by psychiatric symptoms. Scale scores range from 15 to 75; higher scores indicate more symptom distress. The average Symptom Distress scale scores decrease, indicating improvement, within the first 180 days between the date of admission and survey administration. The average scores for those who receive services for more than 180 days show slightly higher levels of symptom distress.



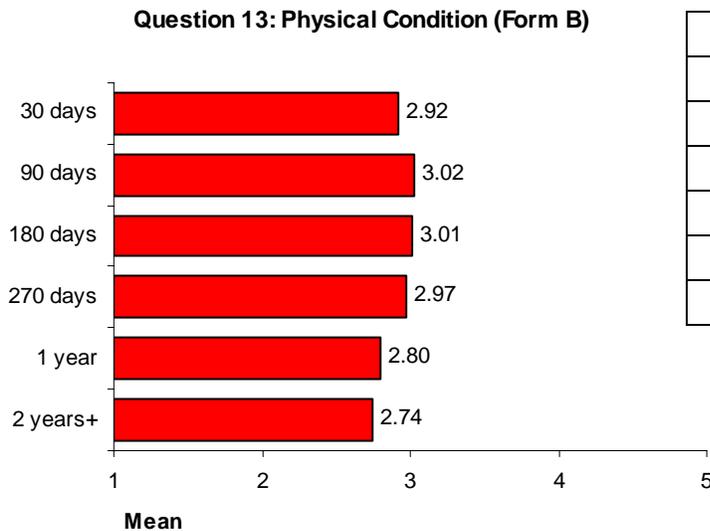
	N	Mean	SD
30 days	28,902	39.48	15.27
90 days	3,331	35.76	15.03
180 days	2,599	35.11	14.92
270 days	1,487	36.03	14.97
1 year	2,807	37.65	14.76
2 years+	8,037	39.36	14.42

INDIVIDUAL ITEMS

Adult Consumer Form B contains six questions that are not included in any of the scales (Questions 13-16, 32 and 33). The following graphs display average scores for several categories of ratings based on the length of time between the date of agency admission and the date of Outcomes survey administration.

Question 13

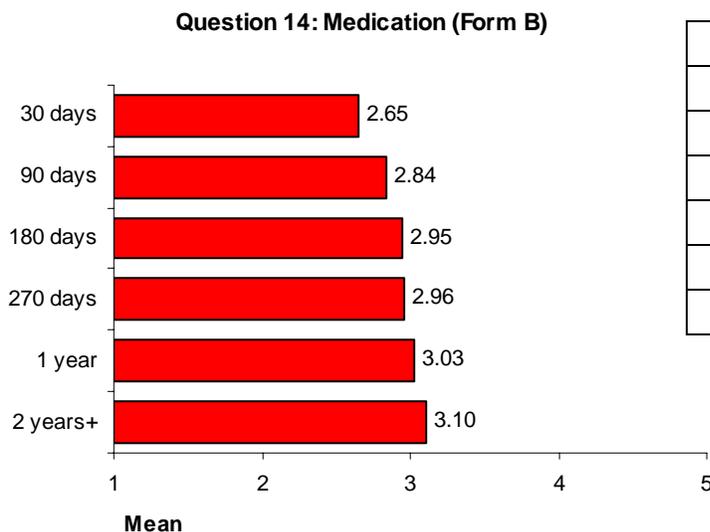
How often does your physical condition interfere with your day-to-day functioning?
1=Always; 5=Never



	N	Mean	SD
30 days	27,541	2.92	1.39
90 days	3,163	3.02	1.36
180 days	2,492	3.01	1.34
270 days	1,431	2.97	1.31
1 year	2,672	2.80	1.26
2 years+	7,701	2.74	1.26

Question 14

Concerns about my medications (such as side effects, dosage, type of medication) are addressed:
1=Never; 5=Always

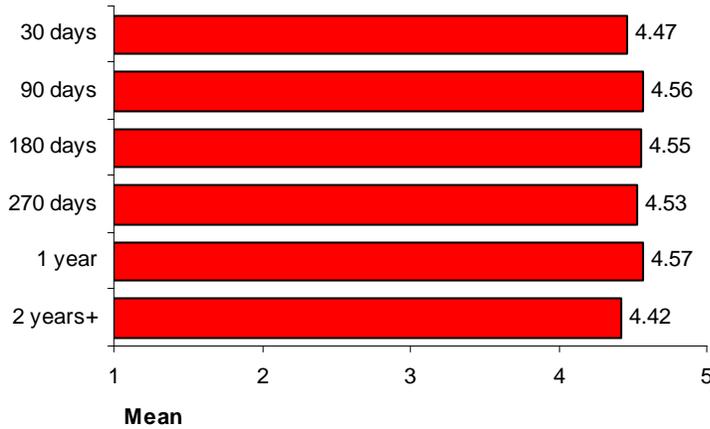


	N	Mean	SD
30 days	21,828	2.65	1.41
90 days	2,605	2.84	1.41
180 days	2,119	2.95	1.42
270 days	1,229	2.96	1.41
1 year	2,425	3.03	1.39
2 years+	7,294	3.10	1.35

Question 15

I have been treated with dignity and respect at this agency.
 1=Never; 5=Always

Question 15: Treated with Dignity & Respect (Form B)

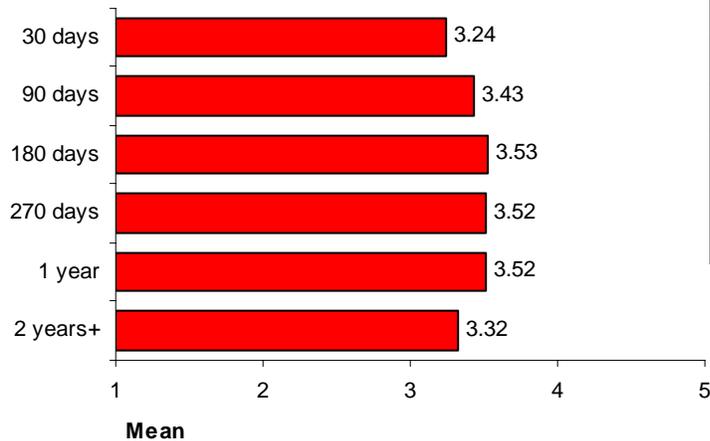


	N	Mean	SD
30 days	24,497	4.47	0.99
90 days	3,243	4.56	0.94
180 days	2,570	4.55	0.99
270 days	1,485	4.53	1.03
1 year	2,778	4.57	0.93
2 years+	7,931	4.42	1.11

Question 16

How often do you feel threatened by people's reactions to your mental health problems?
 1=Always; 5=Never

Question 16: Felt Threatened by People's Reactions (Form B)

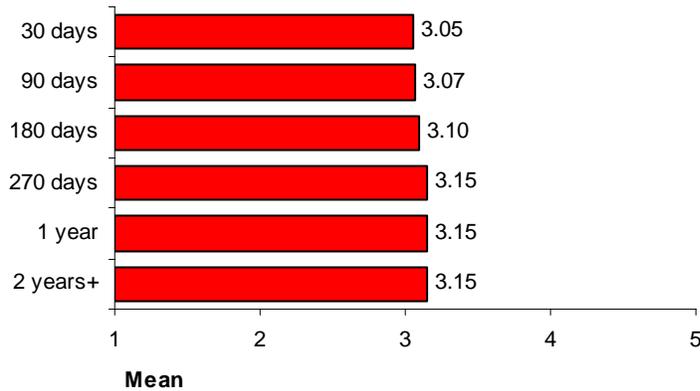


	N	Mean	SD
30 days	27,270	3.24	1.42
90 days	3,286	3.43	1.36
180 days	2,582	3.53	1.31
270 days	1,486	3.52	1.34
1 year	2,786	3.52	1.30
2 years+	8,012	3.32	1.34

Question 32

How often can you tell when mental or emotional problems are about to occur?
 1=Never; 5=Always

Question 32: Tell When Problems to Occur (Form B)

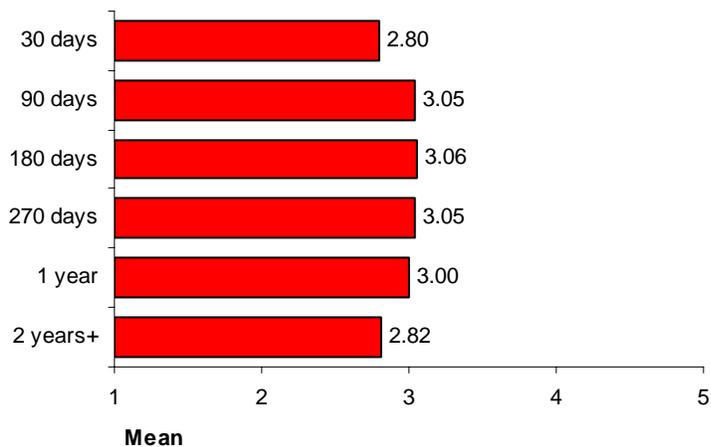


	N	Mean	SD
30 days	27,200	3.05	1.20
90 days	3,242	3.07	1.14
180 days	2,559	3.10	1.12
270 days	1,463	3.15	1.12
1 year	2,777	3.15	1.10
2 years+	8,018	3.15	1.08

Question 33

When you can tell, how often can you take care of the problems before they become worse?
 1=Never; 5=Always

Question 33: Take Care of Problems (Form B)



	N	Mean	SD
30 days	26,712	2.80	1.10
90 days	3,214	3.05	1.09
180 days	2,542	3.06	1.09
270 days	1,451	3.05	1.05
1 year	2,742	3.00	1.05
2 years+	7,945	2.82	1.15

YOUTH

The Ohio Mental Health Consumer Outcomes System includes three instruments for youth: 1) Ohio Youth Problem, Functioning, and Satisfaction Scales *Youth Rating*—Short Form (Ages 12-18), 2) Ohio Youth Problem, Functioning, and Satisfaction Scales *Parent Rating*—Short Form, and 3) Ohio Youth Problem, Functioning, and Satisfaction Scales *Agency Worker Rating*—Short Form.

Youth: Demographics

As of April 2, 2007 the statewide Outcomes database contained 51,362 Youth ratings from 34,470 individuals, 91,967 Parent ratings by 62,726 parents, and 102,548 Agency Worker ratings for 66,463 individuals with administration dates during the last two quarters of FY06 and the first two quarters of FY07 (January 1, 2006 – December 31, 2006). These data were submitted by 49 of Ohio's 50 board areas.

In the following tables, the **Outcomes Received** groups include the 34,470 individuals completing Youth ratings, 62,726 Parent ratings, and 66,463 Agency Worker ratings in the statewide database. MACSIS Claims and Enrollment data were used in order to determine the extent to which the data received are representative of what is expected in terms of major demographic characteristics. For the Parent and Agency Worker forms, the **Outcomes Expected** group includes 87,948 individuals who were at least five years of age and less than 18 years of age with an eligible claim submitted for during the last two quarters of FY06 and the first two quarters of FY07 (January 1, 2006 – December 31, 2006)¹⁴. Since only youth who are at least 12 years of age are expected to complete the Youth form, the Outcomes Expected group for the Youth form includes 48,046 individuals. The following tables compare the demographic characteristics of the Outcomes Received groups with the Outcomes Expected groups¹⁵.

Gender

There are consistently more males than females in all three Outcomes Received groups from the three rating sources. For all ratings, the distributions between the genders are very similar between the Outcomes Received groups and the Outcomes Expected groups.

	RATING SOURCE					
	YOUTH		PARENT		AGENCY WORKER	
	Outcomes Received (N=34,470)	Outcomes Expected (N=48,046)	Outcomes Received (N=62,726)	Outcomes Expected (N=87,948)	Outcomes Received (N=66,463)	Outcomes Expected (N=87,948)
Female	46.3%	45.1%	41.4%	40.7%	41.7%	40.7%
Male	53.6%	54.9%	58.6	59.3%	58.2%	59.3%
Unknown/Missing Information	0.1%	<0.1%	0.1%	<0.1%	0.1%	<0.1%
TOTAL	100%	100%	100%	100%	100%	100%

¹⁴ Eligible claims were determined by the criteria set forth in The Ohio Mental Health Consumer Outcomes System: Procedural Manual, p. 3-11.

¹⁵ Gender, race, age and primary diagnosis data are from MACSIS Claims and Enrollment.

Race

For all three ratings, the Outcomes Received groups are made up of a slightly smaller percentage of Whites/Caucasians (4.2% - 5.0%) and a slightly larger percentage of Blacks/African-Americans (1.4% - 2.9%) than the Outcomes Expected groups. Differences between the two groups are slightly larger for the Agency Worker ratings.

	RATING SOURCE					
	YOUTH		PARENT		AGENCY WORKER	
	Outcomes Received (N=34,470)	Outcomes Expected (N=48,046)	Outcomes Received (N=62,726)	Outcomes Expected (N=87,948)	Outcomes Received (N=66,463)	Outcomes Expected (N=87,948)
White/Caucasian	62.6%	66.8%	62.4%	66.2%	61.2%	66.2%
Black/African-Am.	29.6%	27.5%	28.7%	27.3%	30.2%	27.3%
Hispanic/Latino	1.6%	0.9%	1.9%	1.0%	1.9%	1.0%
Native Am./P.I.	0.4%	0.2%	0.3%	0.2%	0.2%	0.2%
Asian	0.1%	0.2%	0.2%	0.2%	0.1%	0.2%
Multi-racial	3.7%	2.3%	4.3%	2.6%	4.2%	2.6%
Unknown/Missing Information	2.0%	2.1%	2.3%	2.5%	2.2%	2.5%
TOTAL	100%	100%	100%	100%	100%	100%

Age

Both the Outcomes Received group and the Outcomes Expected group showed very similar age distributions from the three ratings. Comparing the mean ages of the Outcomes Received group and the Outcomes Expected group, all three groups --Youth ratings (mean=15.1, S.D.=1.8), the Parent ratings (mean=12.2, S.D.=3.6), and the Agency Worker ratings (mean=12.3, S.D.=3.7)-- show very close means to the Outcomes Expected group (Youth mean=15.1, S.D.=1.8, and Overall mean=12.2, S.D.=3.7).

	RATING SOURCE					
	YOUTH		PARENT		AGENCY WORKER	
	Outcomes Received (N=34,470)	Outcomes Expected (N=48,046)	Outcomes Received (N=62,726)	Outcomes Expected (N=87,948)	Outcomes Received (N=66,463)	Outcomes Expected (N=87,948)
5-8	-	-	23.2%	23.7%	22.7%	23.7%
9-11	-	-	22.3%	21.6%	22.0%	21.6%
12-14	50.3%	48.5%	28.1%	26.5%	27.9%	26.5%
15+	49.7%	51.5%	26.4%	28.1%	27.3%	28.1%
TOTAL	100%	100%	100%	100%	100%	100%

Primary Diagnosis

Across all three rating sources, there are very small differences between the Outcomes Received group and the Outcomes Expected group for all diagnostic groups. “Attention-Deficit and Disruptive Behavior Disorders” is the largest group among all three ratings. For the Youth ratings, “Mood Disorders” constitute 26% of the ratings while 18% are diagnosed as “Adjustment Disorders”. For Parent and Agency Worker ratings, around 22% have “Adjustment Disorders” and 18% have a primary diagnosis of “Mood Disorders”.

	RATING SOURCE					
	YOUTH		PARENT		AGENCY WORKER	
	Outcomes Received (N=34,470)	Outcomes Expected (N=48,046)	Outcomes Received (N=62,726)	Outcomes Expected (N=87,948)	Outcomes Received (N=66,463)	Outcomes Expected (N=87,948)
Attention-Deficit & Disruptive Behavior Disorders	39.3%	41.5%	43.9%	46.1%	43.7%	46.1%
A. Attention Deficit/Hyperactivity Disorder	16.5%	19.3%	23.1%	25.7%	22.8%	25.7%
B. Conduct Disorder	4.0%	3.7%	2.5%	2.3%	2.7%	2.3%
C. Oppositional Defiant Disorder	14.4%	14.2%	12.6%	12.6%	12.6%	12.6%
D. Disruptive Behavior Disorder NOS	4.4%	4.4%	5.7%	5.5%	5.6%	5.5%
Adjustment Disorders	18.1%	17.5%	21.9%	21.1%	22.4%	21.1%
Mood Disorders (includes Depression, Bipolar, Other)	26.0%	26.5%	17.7%	18.2%	18.0%	18.2%
A. Depressive Disorders	16.4%	16.6%	10.5%	10.8%	10.8%	10.8%
B. Bipolar Disorders	5.6%	6.0%	4.0%	4.4%	4.1%	4.4%
C. All Other Mood Disorders	4.0%	3.9%	3.2%	3.0%	3.1%	3.0%
Schizophrenia & Other Psychotic Disorders	0.8%	0.8%	0.6%	0.6%	0.5%	0.6%
Anxiety Disorders	6.6%	6.5%	6.7%	6.7%	7.0%	6.7%
Pervasive Developmental Disorders	1.0%	1.2%	1.4%	1.5%	1.4%	1.5%
All Other Disorders Usually First Diagnosed in Infancy, Childhood, or Adolescence	1.3%	1.3%	2.0%	1.9%	2.0%	1.9%
All Other Diagnoses	5.7%	4.6%	4.7%	3.9%	4.5%	3.9%
Unknown/Missing Information	1.2%	<0.1%	1.2%	<0.1%	0.6%	<0.1%
TOTAL	100%	100%	100%	100%	100%	100%

Youth: Outcomes Status

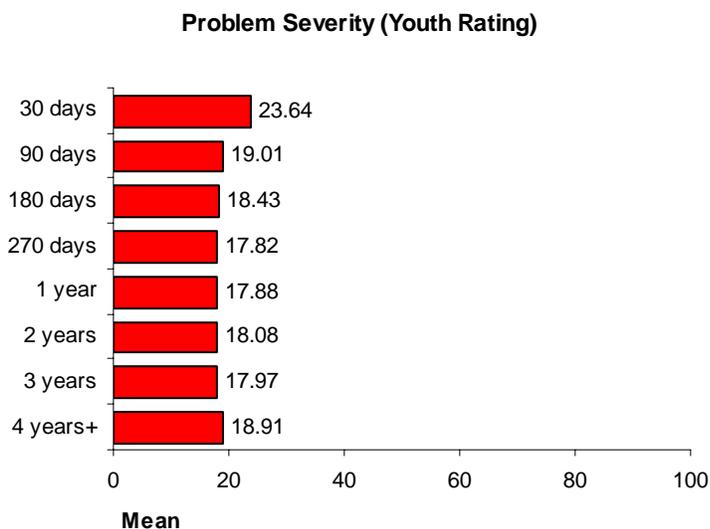
The following graphs summarize the 51,392 Youth ratings, 91,967 Parent ratings, and 102,548 Agency Worker ratings in the statewide Outcomes database with administration dates during the last two quarters of FY06 and the first two quarters of FY07 (January 1, 2006 – December 31, 2006). They demonstrate the impact of time in treatment as measured by the length of time between the date of agency admission and the date of Outcomes survey administration.

PROBLEM SEVERITY

The Problem Severity scale is the sum of the first 20 items on the Ohio Scales Youth, Parent and Agency Worker forms. The scale ranges from 0 to 100, with higher scores indicating more problems or increased severity of problems.

Youth Rating

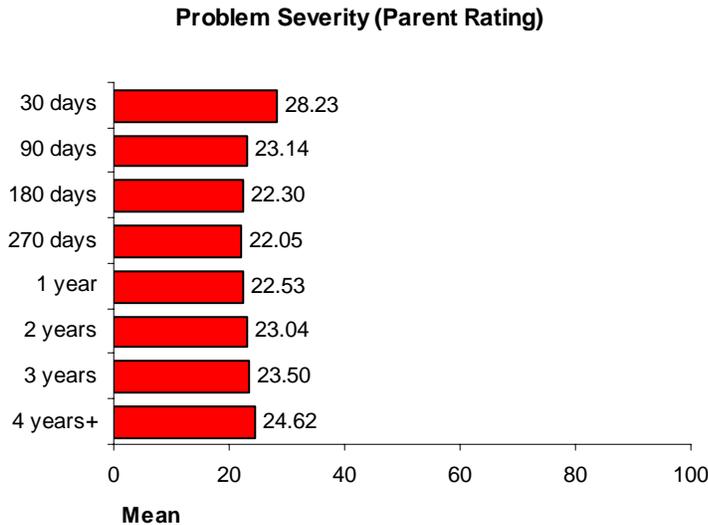
The average Problem Severity scores show the largest improvement occurring between the “30 days” and the “90 days” categories and they remain fairly consistent after “90 days” in service. Youth tend to rate themselves as having fewer problems than parents or workers rate them.



	N	Mean	SD
30 days	20,362	23.64	16.11
90 days	3,865	19.01	15.02
180 days	4,935	18.43	14.24
270 days	2,336	17.82	14.50
1 year	4,784	17.88	14.07
2 years	3,387	18.08	14.05
3 years	1,945	17.97	13.90
4 years+	3,473	18.91	14.42

Parent Rating

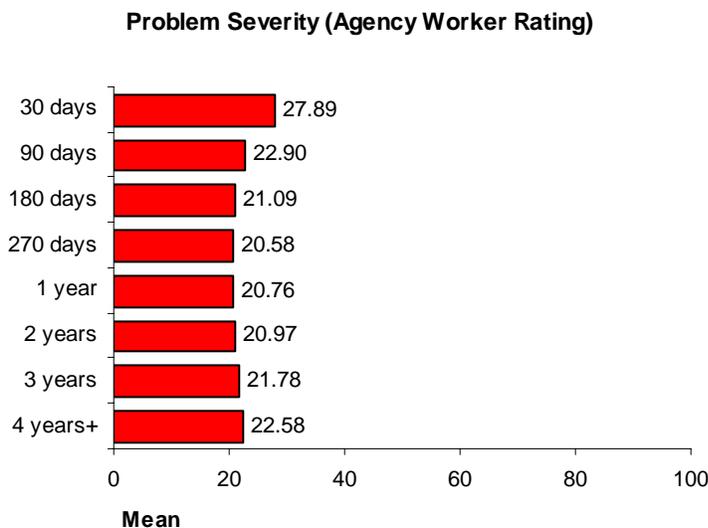
The Parent-rated Problem Severity scale scores also significantly decrease between the “30 days” and the “90 days” categories, indicating an improvement. However, the average Problem Severity scale scores slightly increase as the time of services increases after “180 days”. Parents tend to rate their child/adolescent as having more problems than do either the Youth or the Workers.



	N	Mean	SD
30 days	38,064	28.23	16.48
90 days	6,493	23.14	16.13
180 days	8,915	22.30	15.20
270 days	4,315	22.05	15.19
1 year	9,225	22.53	15.16
2 years	6,503	23.04	14.83
3 years	3,354	23.50	14.52
4 years+	5,095	24.62	15.53

Agency Worker Rating

On average, Agency Worker Problem Severity scale scores also significantly decrease between the “30 days” and the “90 days” categories, indicating an improvement. The average scores then remain rather consistent after the “270 days” point. Average Worker scores tend to be in the middle between Youth ratings and Parent ratings.



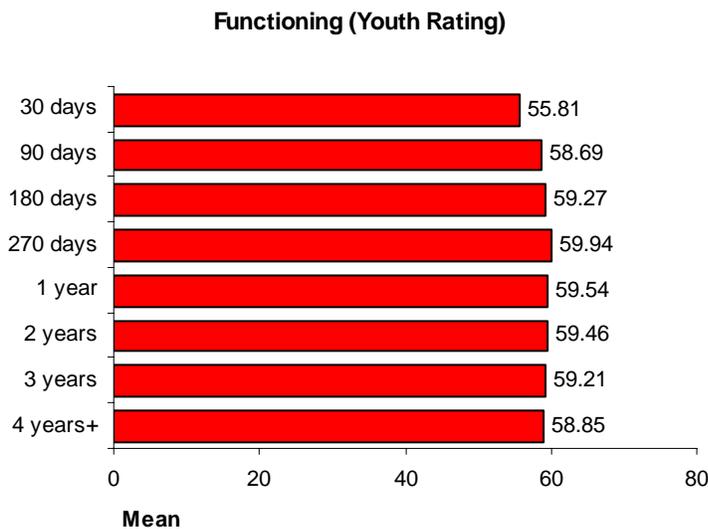
	N	Mean	SD
30 days	36,752	27.89	14.14
90 days	10,668	22.90	13.77
180 days	13,655	21.09	12.95
270 days	6,568	20.58	12.81
1 year	12,508	20.76	12.84
2 years	8,567	20.97	12.75
3 years	4,175	21.78	12.66
4 years+	5,946	22.58	13.51

FUNCTIONING

The Functioning scale is the sum of the last 20 items on the Ohio Scales Parent, Youth and Agency Worker forms. The scale ranges from 0 to 80, with higher scores indicative of better functioning.

Youth Rating

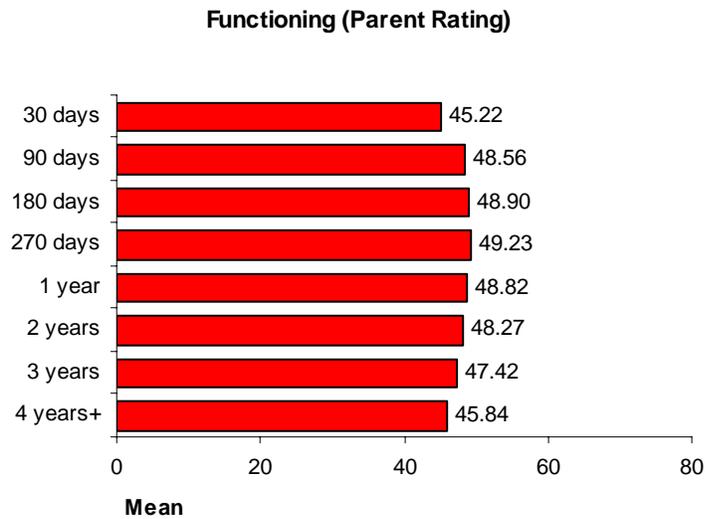
The average Youth Functioning scale scores slightly improve as the length of time between the date of agency admission and the date of Outcomes survey administration increases. The average Youth Functioning scale scores also indicate that significant improvement occurs between the “30 days” and “90 days” categories of time in service. Youth ratings of their own functioning are higher than both the parent and worker ratings.



	N	Mean	SD
30 days	19,956	55.81	13.54
90 days	3,829	58.69	13.62
180 days	4,889	59.27	12.69
270 days	2,320	59.94	12.59
1 year	4,736	59.54	12.92
2 years	3,340	59.46	13.13
3 years	1,924	59.21	12.87
4 years+	3,436	58.85	13.50

Parent Rating

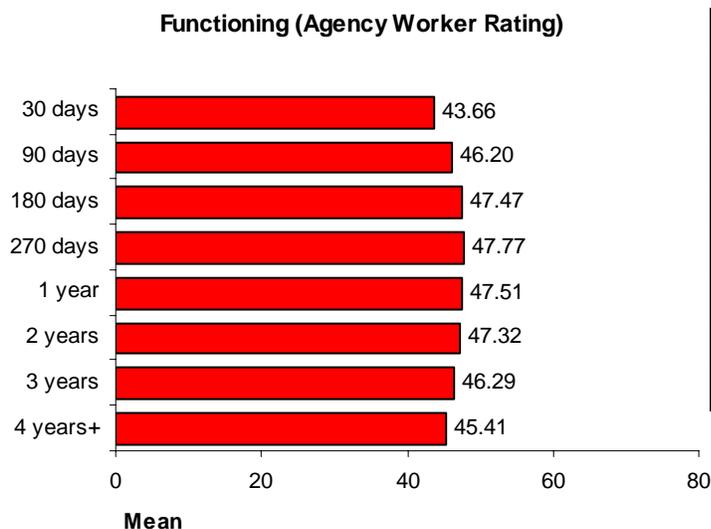
On average, Parent-rated Functioning scale scores increase between the “30 days” and the “90 days” categories of ratings and remain consistent afterwards, with slight decreases after the “270 days” point. Parents tend to rate their child/adolescent as doing worse on functioning than the youth rates himself or herself but better than the worker rates the child/adolescent.



	N	Mean	SD
30 days	37,193	45.22	15.22
90 days	6,425	48.56	15.72
180 days	8,820	48.90	14.88
270 days	4,253	49.23	14.95
1 year	9,097	48.82	14.76
2 years	6,401	48.27	14.52
3 years	3,310	47.42	14.32
4 years+	5,034	45.84	14.74

Agency Worker Rating

Agency Worker rated Functioning scale scores showed a similar distribution as ratings from parents, with a significant improvement between the “30 days” category and the “90 days” category and peaked at the “270 days” point. Workers tend to rate child/adolescent functioning at lower levels than do youth or parents.



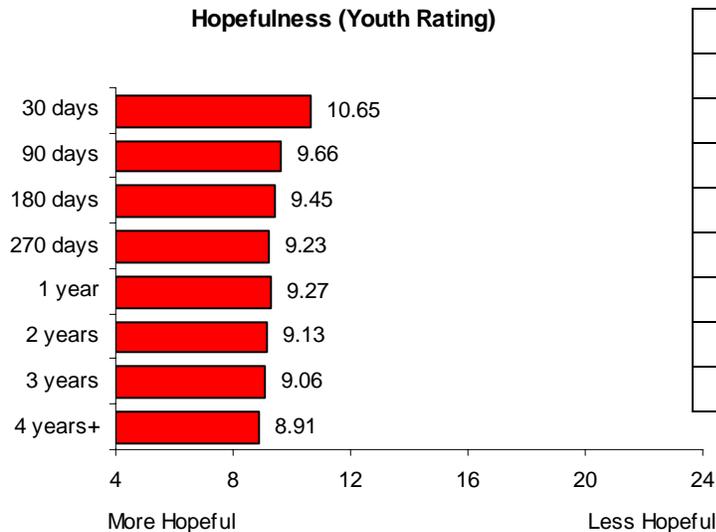
	N	Mean	SD
30 days	36,366	43.66	12.40
90 days	10,558	46.20	13.03
180 days	13,527	47.47	12.70
270 days	6,507	47.77	12.81
1 year	12,402	47.51	12.62
2 years	8,520	47.32	12.44
3 years	4,155	46.29	12.21
4 years+	5,903	45.41	12.89

HOPEFULNESS (only rated by Youth and Parents)

The Hopefulness scale is the sum of the first four items on the second page of the Ohio Scales Youth and Parent forms. Youth rate their own well-being/optimism; parents rate the degree to which they are hopeful about their ability to parent. The scale ranges from 4 to 24, with higher scores indicating less hopefulness.

Youth Rating

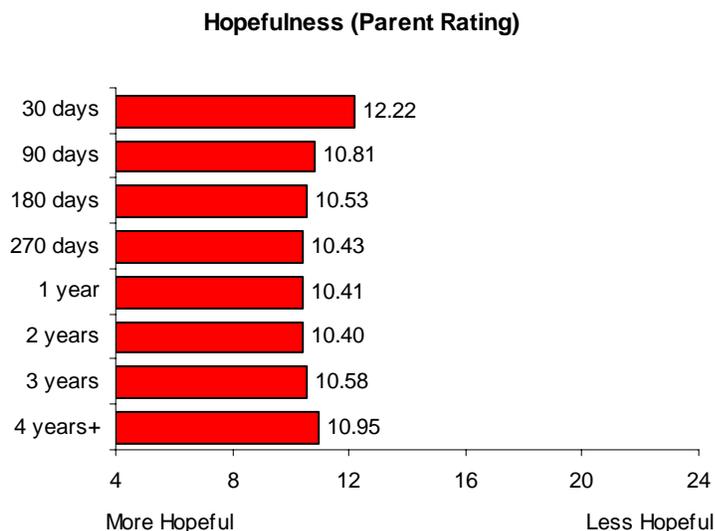
For ratings based on the length of time between the date of agency admission and the date of Outcomes survey administration, average Youth Hopefulness scale scores gradually improve. The greatest improvement occurs between the “30 days” and “90 days” categories.



	N	Mean	SD
30 days	18,489	10.65	4.18
90 days	3,586	9.66	4.02
180 days	4,651	9.45	3.84
270 days	2,207	9.23	3.77
1 year	4,521	9.27	3.87
2 years	3,222	9.13	3.94
3 years	1,822	9.06	3.83
4 years+	3,204	8.91	3.93

Parent Rating

On average, Parent Hopefulness scale scores decrease, indicating improvement, up to the “270 days” category in length of service. However, the hopefulness of the parents slightly deteriorates from those assessments after the “1 year” in service.



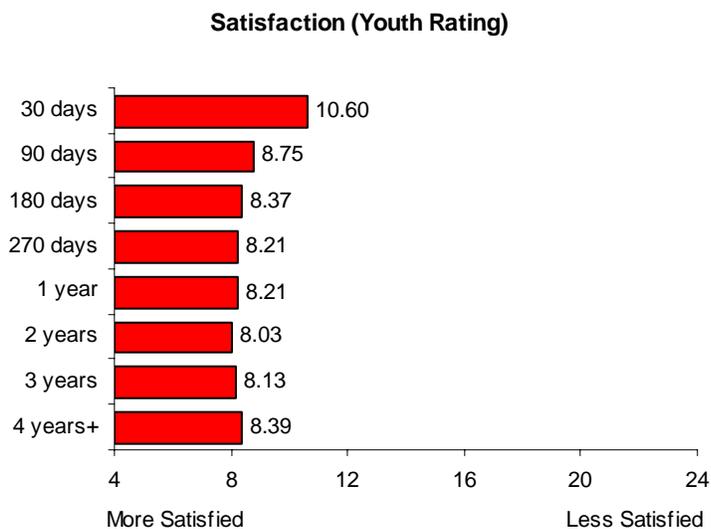
	N	Mean	SD
30 days	35,113	12.22	4.51
90 days	6,106	10.81	4.35
180 days	8,581	10.53	4.15
270 days	4,164	10.43	4.19
1 year	8,880	10.41	4.10
2 years	6,291	10.40	4.09
3 years	3,225	10.58	4.09
4 years+	4,891	10.95	4.34

SATISFACTION (only rated by Youth and Parents)

The Satisfaction scale is the sum of the second four items on the second page of the Ohio Scales Youth and Parent forms and measures overall satisfaction with behavioral health services. The scale ranges from 4 to 24, with higher scores indicating less satisfaction.

Youth Rating

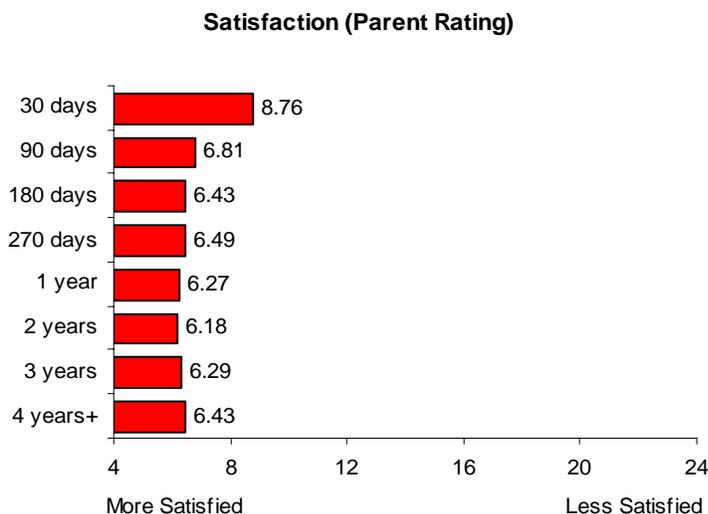
The largest improvement of satisfaction occurs between the “30 days” and the “90 days” categories. The average Youth Satisfaction scale scores decrease, indicating improvement, as the amount of time between the date of admission and Outcomes survey administration increases. However, the satisfaction scores of the youth slightly increases after the “2 years” in time of service, indicating deterioration in satisfaction.



	N	Mean	SD
30 days	12,307	10.60	5.13
90 days	3,387	8.75	4.63
180 days	4,492	8.37	4.38
270 days	2,147	8.21	4.32
1 year	4,386	8.21	4.51
2 years	3,123	8.03	4.39
3 years	1,755	8.13	4.59
4 years+	3,080	8.39	4.70

Parent Rating

The largest difference in the average scores is between the “30 days” and the “90 days” categories, indicating a significant improvement in satisfaction for the first two categories of ratings. The average Satisfaction scores then remain rather consistent afterwards. Parents also always tend to be more satisfied with services than are youth.



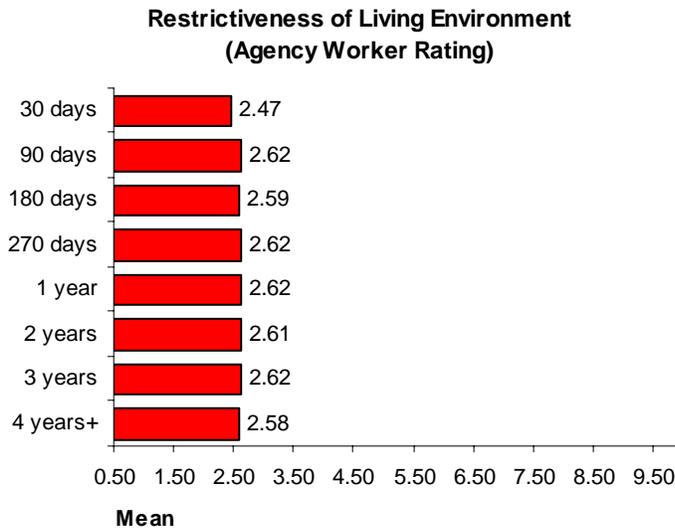
	N	Mean	SD
30 days	20,136	8.76	4.88
90 days	5,696	6.81	3.71
180 days	8,328	6.43	3.39
270 days	4,043	6.49	3.57
1 year	8,646	6.27	3.29
2 years	6,122	6.18	3.27
3 years	3,137	6.29	3.34
4 years+	4,696	6.43	3.46

RESTRICTIVENESS OF LIVING ENVIRONMENTS (only rated by Agency Workers)

The Restrictiveness of Living Environments (ROLES) scale provides a measure of the average restrictiveness of living settings. The scale ranges from 0.5 to 10, with higher scores indicative of more restrictive living environments.

Agency Worker Rating

As displayed in the following graph, average ROLES scale scores slightly increase up to the 270 days category, indicating greater restrictiveness of living settings. The average score of ROLES remain rather steady as the time between the date of admission and Outcomes survey administration further increases.



	N	Mean	SD
30 days	35,003	2.47	1.07
90 days	10,299	2.62	1.27
180 days	13,243	2.59	1.19
270 days	6,357	2.62	1.22
1 year	12,075	2.62	1.20
2 years	8,291	2.61	1.15
3 years	4,028	2.62	1.13
4 years+	5,781	2.58	1.13