

Ohio Mental Health Consumer Outcomes System

Report 7



May 2005

Office of Program Evaluation and Research

Ohio Department of Mental Health

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 distinct populations 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 4, 2005 with administration dates during the last two quarters of Fiscal Year (FY) 2004 and the first two quarters of Fiscal Year (FY) 2005 (January 1, 2004 – December 31, 2004), 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 during 2004 (January 1, 2004 – December 31, 2004) 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 4, 2005 the statewide Outcomes database contained 45,382 Adult Consumer Form A ratings from 39,088 individuals with administration dates during the last two quarters of FY04 and the first two quarters of FY05. These data were submitted by 47 of Ohio's 50 board areas.

In the following tables, the **Outcomes Received** group includes the 39,088 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 77,347 individuals who were at least 18 years of age with an eligible claim submitted for the last two quarters of FY04 and the first two quarters of FY05¹.

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 group².

Gender

There are differences of less than two percent in the distribution of gender in the Outcomes Received and Outcomes Expected groups.

	Outcomes Received (N=39,088)	Outcomes Expected (N=77,347)
Female	56.8%	55.6%
Male	43.1%	44.4%
Missing	0.1%	<0.1%
TOTAL	100%	100%

¹ Eligible claims were determined by the criteria set forth in The Ohio Mental Health Consumer Outcomes System: Procedural Manual, p. 3-9. However, 6,532 (16.7%) 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.

² Gender, race, age and primary diagnosis data are from MACSIS Claims and Enrollment.

Race

Except for the multi-racial category, there are differences of less than two percent between the Outcomes Received group and the Outcomes Expected group for all racial categories.

	Outcomes Received (N=39,088)	Outcomes Expected (N=77,347)
White/Caucasian	66.7%	68.7%
Black/African-Am.	24.8%	26.0%
Hispanic/Latino	1.5%	0.4%
Native Am./P.I.	0.7%	0.4%
Asian	0.3%	0.4%
Multi-racial	4.3%	1.9%
Unknown/Missing	1.6%	2.3%
TOTAL	100%	100%

Age

The age distributions of the Outcomes Received group and the Outcomes Expected group are very alike (for Outcomes Received group, mean=42.9, S.D.=13.3; and for Outcomes Expected group, mean=43.0, S.D.=13.9).

	Outcomes Received (N=39,088)	Outcomes Expected (N=77,347)
≤24	9.4%	10.9%
25-34	18.4%	17.0%
35-44	26.0%	25.2%
45-54	27.9%	27.8%
55-64	12.8%	12.8%
65+	5.4%	6.3%
Missing	-	<0.1%
TOTAL	100%	100%

Primary Diagnosis

Both the Outcomes Received group and the Outcomes Expected group show very similar distributions in the primary diagnosis. There are differences of less than two percent between the Outcomes Received group and the Outcomes Expected group in all diagnosis groups. About half of each group have a diagnosis of “Mood Disorder”. Another one-third have primary diagnoses under the category of “Schizophrenia and Other Psychotic Disorders”.

	Outcomes Received (N=39,088)	Outcomes Expected (N=77,347)
Substance-Related Disorders	2.5%	2.2%
Schizophrenia & Other Psychotic Disorders	32.3%	34.0%
Mood Disorders (includes Depressive, Bipolar, Other)	51.6%	49.3%
A. Depressive Disorders	32.4%	30.6%
B. Bipolar Disorders	16.9%	16.6%
C. All Other Mood Disorders	2.3%	2.1%
Anxiety Disorders	5.5%	4.8%
Adjustment Disorders	3.9%	3.5%
Personality Disorders	1.1%	1.2%
All Other Diagnoses ³	2.9%	4.6%
Missing	0.4%	0.5%
TOTAL	100%	100%

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

Around one-third 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. Another one-quarter are from individuals who indicated they have received further education – five percent of those have earned at least a four-year degree.

	Outcomes Received	
	Number	Percent
<H.S. diploma/GED	12,174	31.1%
H.S. diploma/GED	11,558	29.6%
>H.S. diploma/GED & <4 yr degree	8,501	21.7%
4 yr degree and above	1,893	4.8%
Missing	4,962	12.7%
TOTAL	39,088	100%

³ 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-seven percent of the ratings in the Outcomes Received group are from individuals who reported they have never been married. Another 28% are from divorced or separated individuals.

	Outcomes Received	
	Number	Percent
Never married	14,571	37.3%
Married	4,684	12.0%
Separated	2,249	5.8%
Divorced	9,106	23.3%
Widowed	1,459	4.4%
Living together	944	2.4%
Missing	6,075	15.5%
TOTAL	39,088	100%

Living Situation (only collected from individuals with Outcomes data)

Forty-seven percent of the individuals in the Outcomes Received group reported living in their own house/apartment; 16% reported living in a relative's home.

	Outcomes Received	
	Number	Percent
Your own house/apartment	18,360	47.0%
Friend's home	1,835	4.7%
Relative's home	6,401	16.4%
Supervised living	2,902	7.4%
Nursing facility	450	1.2%
Foster care	85	0.2%
MH treatment facility	273	0.7%
Homeless	947	2.4%
Correctional facility	107	0.3%
Other	2,174	5.6%
Missing	5,554	14.2%
TOTAL	39,088	100%

Employment Status *(only collected from individuals with Outcomes data)*

Almost 13 percent of the ratings in the Outcomes Received group are from individuals who reported working full or part time. Fifty-eight percent are from individuals who reported they are either unemployed or disabled.

	Outcomes Received	
	Number	Percent
Full time	2,141	5.5%
Part time	2,731	7.0%
Sheltered employment	352	0.9%
Unemployed	10,997	28.1%
Homemaker	1,014	2.6%
Student	352	0.9%
Retired	1,232	3.2%
Disabled	11,949	30.6%
Inmate of institution	136	0.3%
Other	716	1.8%
Missing	7,468	19.1%
TOTAL	39,088	100%

Adult Consumer Form A: Outcomes Status

The following graphs summarize the 45,382 Consumer Form A ratings in the statewide Outcomes database with administration dates during the last two quarters of FY04 and the first two quarters of FY05 (January 1, 2004 – December 31, 2004). 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.

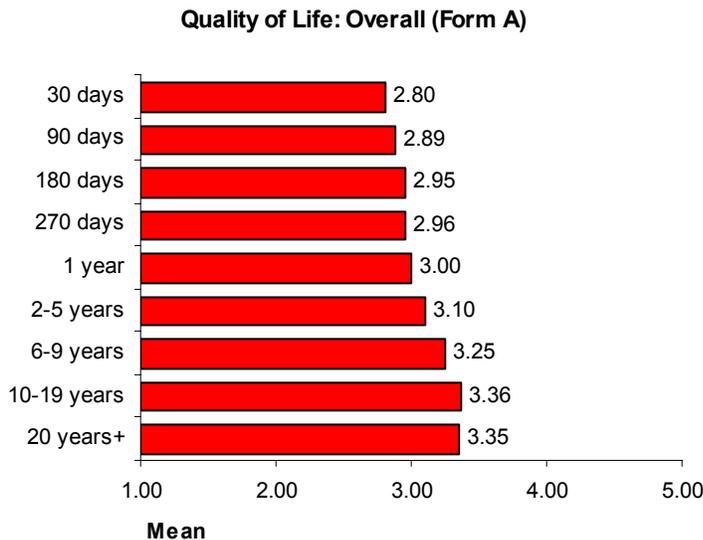
SCALES

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.

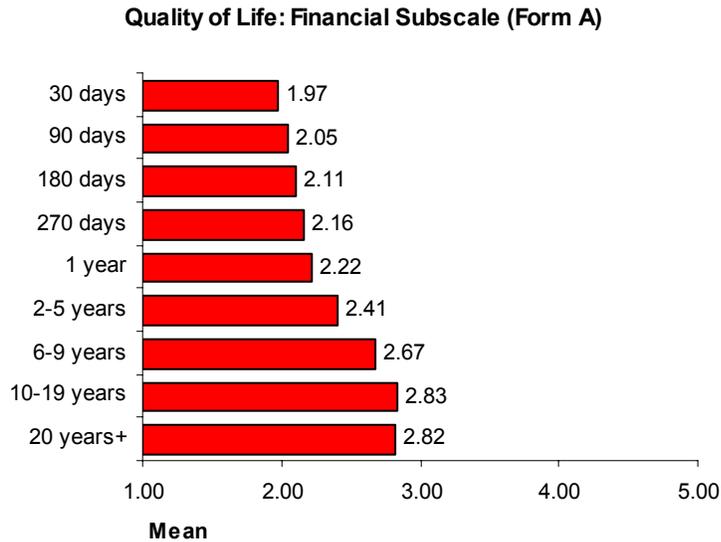
As displayed in the following graph, average Quality of Life scale scores generally increase as the amount of time between the date of admission and date of administration increases.



	N	Mean	SD
30 days	9,352	2.80	0.78
90 days	1,744	2.89	0.76
180 days	1,880	2.95	0.73
270 days	1,321	2.96	0.73
1 year	3,077	3.00	0.75
2-5 years	10,450	3.10	0.75
6-9 years	4,681	3.25	0.75
10-19 years	4,388	3.36	0.73
20 years+	1,007	3.35	0.78

Quality of Life: Financial Subscale

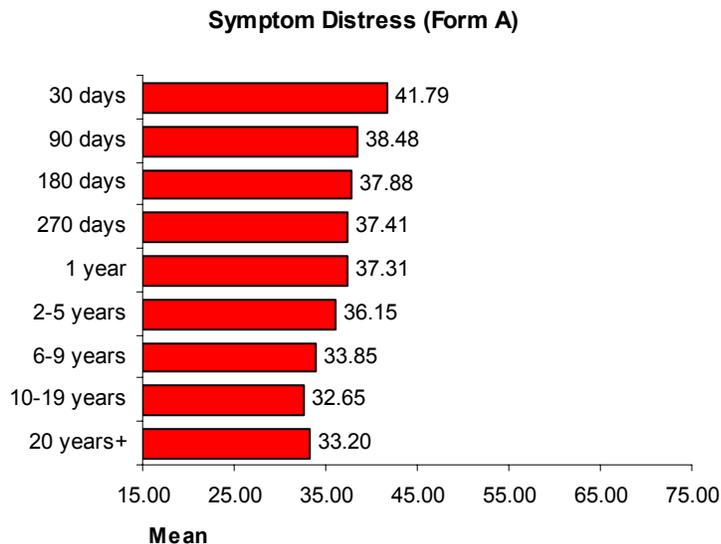
The Financial subscale is the average of three Overall Quality of Life scale items pertaining to satisfaction with finances (Part 1, Questions 2-4). As with the Overall Quality of Life scale, the Financial subscale ranges from one to five, with higher scores indicating greater satisfaction with finances. 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 administration increases.



	N	Mean	SD
30 days	8,882	1.97	1.03
90 days	1,758	2.05	1.04
180 days	1,880	2.11	1.06
270 days	1,298	2.16	1.05
1 year	3,025	2.22	1.08
2-5 years	10,216	2.41	1.09
6-9 years	4,560	2.67	1.11
10-19 years	4,271	2.83	1.12
20 years+	1,005	2.82	1.12

Symptom Distress

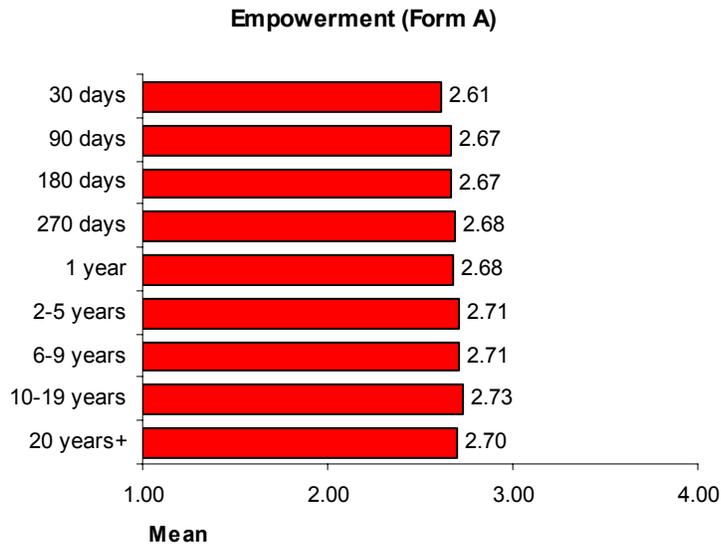
The Symptom Distress scale is the sum of 15 Adult Consumer Form A items (Part 3, Questions 17-31), and was designed to measure the amount of distress caused by psychiatric symptoms. Scale scores range from 15 to 75; higher scores indicate more symptom distress. Average Symptom Distress scale scores generally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



	N	Mean	SD
30 days	9,668	41.79	15.20
90 days	1,773	38.48	14.57
180 days	1,917	37.88	14.24
270 days	1,335	37.41	14.32
1 year	3,126	37.31	14.24
2-5 years	10,654	36.15	14.20
6-9 years	4,747	33.85	13.46
10-19 years	4,476	32.65	12.90
20 years+	1,022	33.20	13.20

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 increase only slightly as the length of time between the date of agency admission and the date of Outcomes survey administration increases.



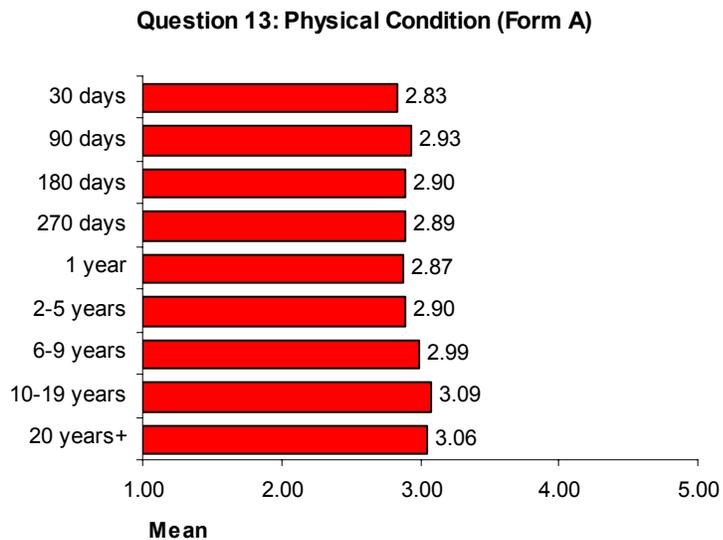
	N	Mean	SD
30 days	8,857	2.61	0.36
90 days	1,685	2.67	0.34
180 days	1,831	2.67	0.34
270 days	1,283	2.68	0.33
1 year	2,986	2.68	0.34
2-5 years	10,106	2.71	0.33
6-9 years	4,483	2.71	0.33
10-19 years	4,212	2.73	0.31
20 years+	980	2.70	0.32

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

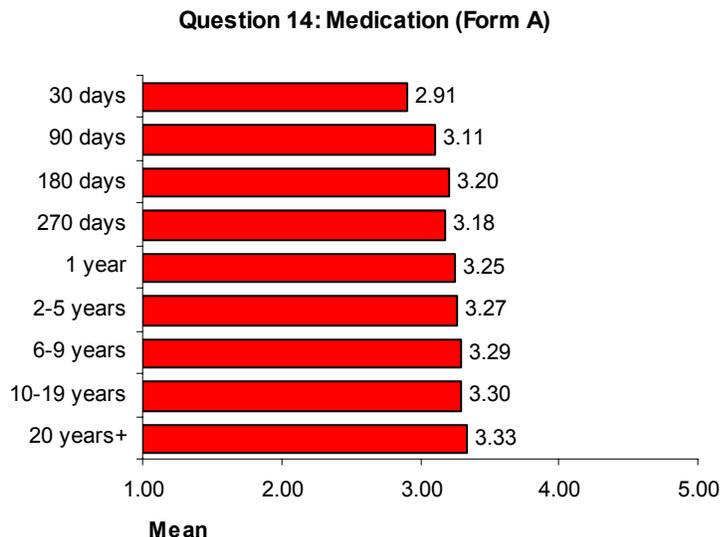
How often does your physical condition interfere with your day-to-day functioning?
1=Always; 5=Never



	N	Mean	SD
30 days	9,398	2.83	1.35
90 days	1,705	2.93	1.31
180 days	1,844	2.90	1.28
270 days	1,294	2.89	1.28
1 year	3,034	2.87	1.27
2-5 years	10,330	2.90	1.26
6-9 years	4,601	2.99	1.23
10-19 years	4,358	3.09	1.21
20 years+	998	3.06	1.22

Question 14

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

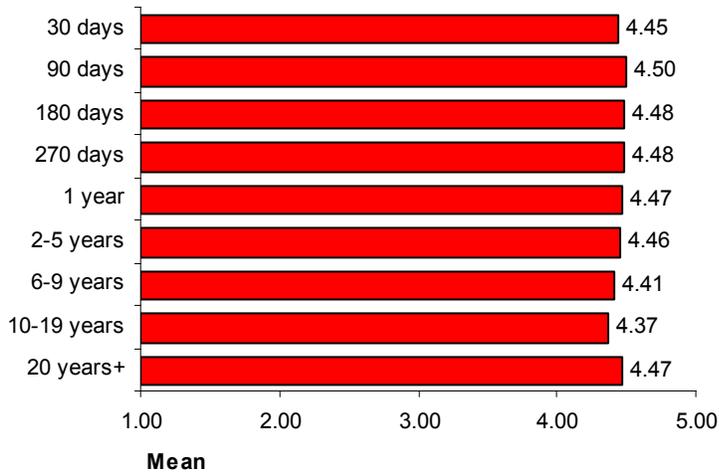


	N	Mean	SD
30 days	8,049	2.91	1.38
90 days	1,605	3.11	1.33
180 days	1,818	3.20	1.33
270 days	1,281	3.18	1.33
1 year	2,997	3.25	1.31
2-5 years	10,319	3.27	1.32
6-9 years	4,621	3.29	1.32
10-19 years	4,368	3.30	1.33
20 years+	979	3.33	1.35

Question 15

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

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

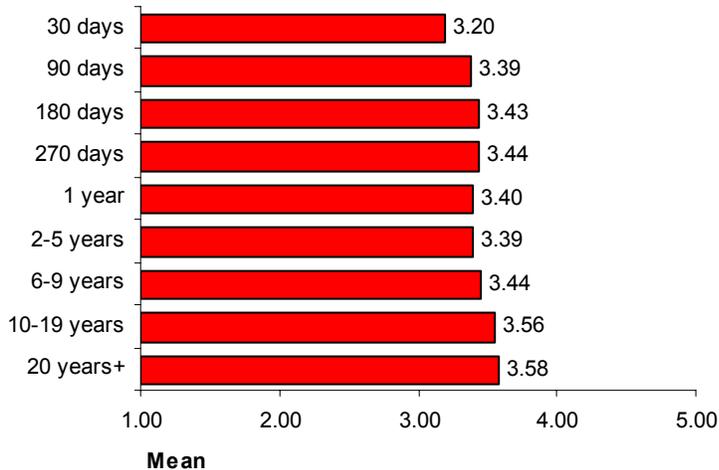


	N	Mean	SD
30 days	8,275	4.45	1.004
90 days	1,739	4.50	0.92
180 days	1,904	4.48	0.96
270 days	1,333	4.48	0.91
1 year	3,126	4.47	0.95
2-5 years	10,637	4.46	0.94
6-9 years	4,737	4.41	0.95
10-19 years	4,477	4.37	0.99
20 years+	1,016	4.47	0.96

Question 16

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

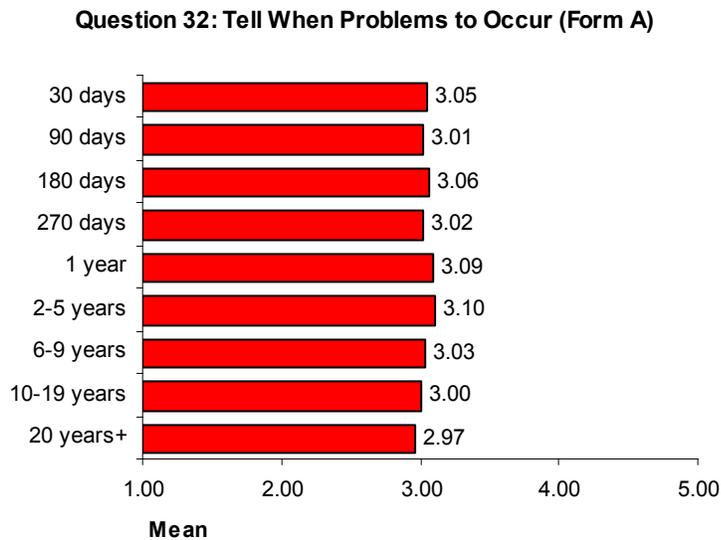
Question 16: Felt Threatened by People's Reactions (Form A)



	N	Mean	SD
30 days	9,327	3.20	1.38
90 days	1,747	3.39	1.34
180 days	1,892	3.43	1.30
270 days	1,324	3.44	1.26
1 year	3,110	3.40	1.27
2-5 years	10,592	3.39	1.27
6-9 years	4,704	3.44	1.23
10-19 years	4,435	3.56	1.22
20 years+	1,012	3.58	1.30

Question 32

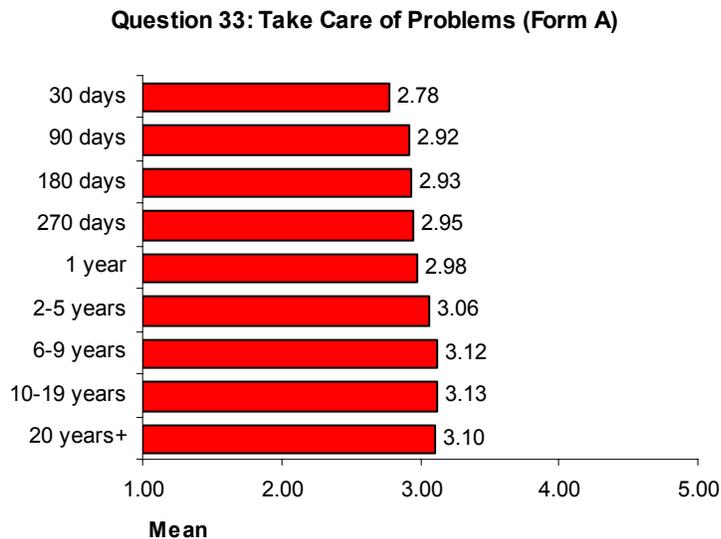
How often can you tell when mental or emotional problems are about to occur?
1=Never; 5=Always



	N	Mean	SD
30 days	9,541	3.05	1.20
90 days	1,756	3.01	1.17
180 days	1,896	3.06	1.15
270 days	1,326	3.02	1.13
1 year	3,107	3.09	1.14
2-5 years	10,552	3.10	1.15
6-9 years	4,681	3.03	1.17
10-19 years	4,415	3.00	1.21
20 years+	1,010	2.97	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



	N	Mean	SD
30 days	9,409	2.78	1.10
90 days	1,734	2.92	1.09
180 days	1,884	2.93	1.06
270 days	1,310	2.95	1.05
1 year	3,082	2.98	1.08
2-5 years	10,485	3.06	1.08
6-9 years	4,636	3.12	1.10
10-19 years	4,376	3.13	1.16
20 years+	990	3.10	1.16

Provider Form A: Demographics

As of April 4, 2005, the statewide Outcomes database contained 43,434 Provider Form A ratings of 37,437 individuals with administration dates during the last two quarters of FY04 and the first two quarters of FY05 (January 1, 2004 – December 31, 2004). These data were submitted by 42 of Ohio's 50 board areas.

In the following tables, the **Outcomes Received** group includes the 37,437 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** group⁴ includes 77,347 individuals who were at least 18 years of age with an eligible claim submitted for the last two quarters of FY04 and the first two quarters of FY05 (January 1, 2004 – December 31, 2004)⁵.

The following tables compare the demographic characteristics of the Outcomes Received group with the Outcomes Expected group⁶.

Gender

The distribution of gender in both the Outcomes Received group and the Outcomes Expected group show very little difference.

	Outcomes Received (N=37,437)	Outcomes Expected (N=77,347)
Female	56.6%	55.6%
Male	42.3%	44.4%
Missing	1.1%	<0.1%
TOTAL	100%	100%

⁴ The Outcomes Expected group for Provider Form A is equivalent to the Outcomes Expected group for Adult Consumer Form A.

⁵ Eligible claims were determined by the criteria set forth in The Ohio Mental Health Consumer Outcomes System: Procedural Manual, p. 3-9. However, 6,195 (16.5%) 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.

⁶ 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 Blacks/African-Americans (3.8%). Differences of less than two percent exist between the two groups for the other racial categories.

	Outcomes Received (N=37,437)	Outcomes Expected (N=77,347)
White/Caucasian	64.9%	68.7%
Black/African-Am.	26.6%	26.0%
Hispanic/Latino	1.4%	0.4%
Native Am./P.I.	0.7%	0.4%
Asian	0.3%	0.4%
Multi-racial	3.8%	1.9%
Unknown/Missing	2.4%	2.3%
TOTAL	100%	100%

Age

On average, the age of the Outcomes Received group (mean=43.4, S.D.=13.8) is slightly older than the Outcomes Expected group (mean 43.0, S.D.=13.9).

	Outcomes Received (N=37,437)	Outcomes Expected (N=77,347)
≤24	9.1%	10.9%
25-34	17.9%	17.0%
35-44	25.4%	25.2%
45-54	27.3%	27.8%
55-64	12.7%	12.8%
65+	6.5%	6.3%
Missing	1.0%	<0.1%
TOTAL	100%	100%

Primary Diagnosis

Approximately 85% of the ratings in both the Outcomes Received group and the Outcomes Expected group are from individuals who have primary diagnoses that fall under the categories of “Schizophrenia and Other Psychotic Disorders” or “Mood Disorders.” There is a similar pattern in the distribution of various diagnostic groups between Outcomes Received group and Outcomes Expected group, except there is a slightly higher percentage of mood disorders in the Outcomes Received group.

	Outcomes Received (N=37,437)	Outcomes Expected (N=77,347)
Substance-Related Disorders	1.8%	2.2%
Schizophrenia & Other Psychotic Disorders	32.0%	34.0%
Mood Disorders (includes Depressive, Bipolar, Other)	52.7%	49.3%
A. Depressive Disorders	32.3%	30.6%
B. Bipolar Disorders	16.8%	16.6%
C. All Other Mood Disorders	2.2%	2.1%
Anxiety Disorders	5.5%	4.8%
Adjustment Disorders	3.7%	3.5%
Personality Disorders	1.2%	1.2%
All Other Diagnoses ⁷	3.3%	4.6%
Missing	1.3%	0.5%
TOTAL	100%	100%

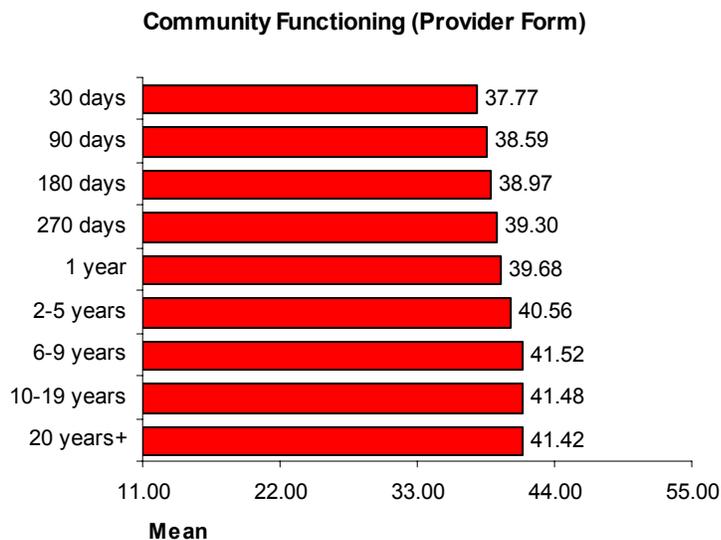
⁷ Other diagnoses include attention-deficit and disruptive behavior disorders, delirium, dementia, amnesic disorders, impulse-control disorders, mental disorders due to a general medical condition, dissociative disorders, and sexual and gender identity disorders.

Provider Form A: Outcomes Status

The following graphs summarize the 43,434 Provider Form A ratings in the statewide Outcomes database with administration dates during the last two quarters of FY04 and the first two quarters of FY05 (January 1, 2004 – December 31, 2004). 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 eleven⁸. 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. Average Community Functioning scale scores gradually increase as the amount of time between the date of admission and administration increases.



	N	Mean	SD
30 days	8,101	37.77	6.74
90 days	2,034	38.59	6.89
180 days	2,131	38.97	6.85
270 days	1,473	39.30	6.78
1 year	3,360	39.68	6.58
2-5 years	11,260	40.56	6.22
6-9 years	4,760	41.52	5.79
10-19 years	4,806	41.48	5.76
20 years+	971	41.42	5.74

⁸ 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)

The Ohio Mental Health Consumer Outcomes System includes one instrument for adults with less severe mental illnesses: Adult Consumer Form B. There is no Provider Form for this population.

Adult Consumer Form B: Demographics

As of April 4, 2005 the statewide Outcomes database contained 36,879 adult Consumer Form B ratings from 30,927 individuals with administration dates during the last two quarters of FY04 and the first two quarters of FY05 (January 1, 2004 – December 31, 2004). These data were submitted by 47 of Ohio's 50 board areas.

In the following tables, the Outcomes Received group includes the 30,927 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 80,054 individuals who were at least 18 years of age with an eligible claim submitted for the last two quarters of FY04 and the first two quarters of FY05 (January 1, 2004 – December 31, 2004)⁹

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 group¹⁰.

Gender

The percentages of females in the Outcomes Received and Outcomes Expected groups are similar.

	Outcomes Received (N=30,927)	Outcomes Expected (N=80,054)
Female	60.8%	61.9%
Male	39.1%	38.1%
Missing	0.1%	<0.1%
TOTAL	100%	100%

⁹ Eligible claims were determined by the criteria set forth in The Ohio Mental Health Consumer Outcomes System: Procedural Manual, p. 3-9. However, 4,590 (14.8%) 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.

¹⁰ 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 (7.2%) and more with missing/unknown racial information (4.8%). Differences of less than two percent exist between the two groups for the other racial categories.

	Outcomes Received (N=30,927)	Outcomes Expected (N=80,054)
White/Caucasian	75.2%	82.4%
Black/African-Am.	12.9%	13.6%
Hispanic/Latino	1.2%	0.4%
Native Am./P.I.	0.6%	0.3%
Asian	0.2%	0.2%
Multi-racial	3.3%	1.3%
Unknown/Missing	6.5%	1.7%
TOTAL	100%	100%

Age

On average, the Outcomes Received group (mean=37.7, S.D.=13.6) is slightly younger than the Outcomes Expected group (mean=38.3, S.D.=13.3).

	Outcomes Received (N=30,927)	Outcomes Expected (N=80,054)
≤24	17.5%	17.3%
25-34	28.5%	26.0%
35-44	25.7%	25.4%
45-54	17.8%	19.7%
55-64	6.6%	8.2%
65+	4.0%	3.4%
Missing	-	<0.1%
TOTAL	100%	100%

Primary Diagnosis

Forty-five percent of the ratings in the Outcomes Received group are from individuals who have primary diagnoses that are included in the “Mood Disorders” category; 21% have diagnoses in the “Adjustment Disorders” category. The Outcomes Received group contains fewer individuals with mood disorders, and more individuals with adjustment disorders and substance-related disorders, than the Outcomes Expected group.

	Outcomes Received (N=30,927)	Outcomes Expected (N=80,054)
Substance-Related Disorders	7.0%	3.6%
Schizophrenia & Other Psychotic Disorders	5.4%	6.9%
Mood Disorders (includes Depressive, Bipolar, Other)	45.3%	54.2%
A. Depressive Disorders	32.6%	39.1%
B. Bipolar Disorders	9.4%	11.8%
C. All Other Mood Disorders	3.3%	3.3%
Anxiety Disorders	10.5%	11.4%
Adjustment Disorders	20.5%	14.9%
Personality Disorders	0.7%	1.2%
All Other Diagnoses ¹¹	8.4%	7.8%
Missing	2.1%	-
TOTAL	100%	100%

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

Twenty-seven percent of the ratings in the Outcomes Received group are from individuals who indicated they do not have a high school diploma/GED; 35% are from individuals who indicated the highest degree they have obtained is a high school diploma/GED. Twenty-nine percent are from individuals who indicated they have received further education—five percent from those having earned at least a four-year degree.

	Outcomes Received	
	Number	Percent
<H.S. diploma/GED	8,425	27.2%
H.S. diploma/GED	10,913	35.3%
>H.S. diploma/GED & <4 yr degree	7,521	24.3%
4 yr degree and above	1,657	5.4%
Missing	2,411	7.8%
TOTAL	30,927	100%

¹¹ 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)

Twenty-six percent of the ratings in the Outcomes Received group are from individuals who reported they have never been married. About 23% of the sample is divorced or separated individuals, and 16% are individuals who reported they are married.

	Outcomes Received	
	Number	Percent
Never married	8,163	26.4%
Married	4,956	16.0%
Separated	2,022	6.5%
Divorced	5,310	17.2%
Widowed	885	2.9%
Living together	1,194	3.9%
Missing	8,397	27.2%
TOTAL	30,927	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; another 20% reported living in a relative's home.

	Outcomes Received	
	Number	Percent
Your own house/apartment	14,676	47.5%
Friend's home	2,297	7.4%
Relative's home	6,287	20.3%
Supervised living	720	2.3%
Nursing facility	761	2.5%
Foster care	23	0.1%
MH treatment facility	150	0.5%
Homeless	571	1.8%
Correctional facility	198	0.6%
Other	1,413	4.6%
Missing	3,831	12.4%
TOTAL	30,927	100%

Employment Status (only collected from individuals with Outcomes data)

Slightly less than half of the ratings in the Outcomes Received group are from individuals who reported they are either unemployed or disabled. About a quarter of the ratings are from individuals who reported working either full-time or part-time.

	Outcomes Received	
	Number	Percent
Full time	4,768	15.4%
Part time	3,064	9.9%
Sheltered employment	246	0.8%
Unemployed	10,567	34.2%
Homemaker	1,313	4.2%
Student	429	1.4%
Retired	836	2.7%
Disabled	4,820	15.6%
Inmate of institution	99	0.3%
Other	672	2.2%
Missing	4,113	13.3%
TOTAL	30,927	100%

Adult Consumer Form B: Outcomes Status

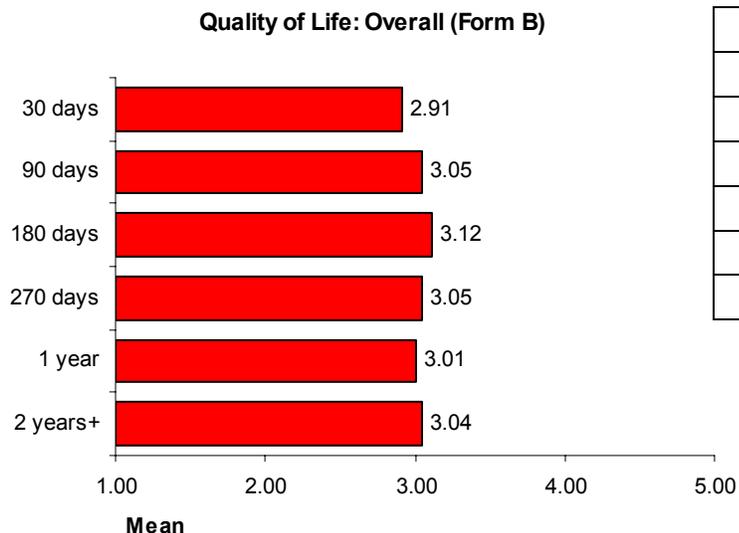
The following graphs summarize the 36,879 Adult Consumer Form B ratings in the statewide Outcomes database with administration dates during the last two quarters of FY04 and the first two quarters of FY05 (January 1, 2004 – December 31, 2004). They demonstrate the impact of time in treatment as measured 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

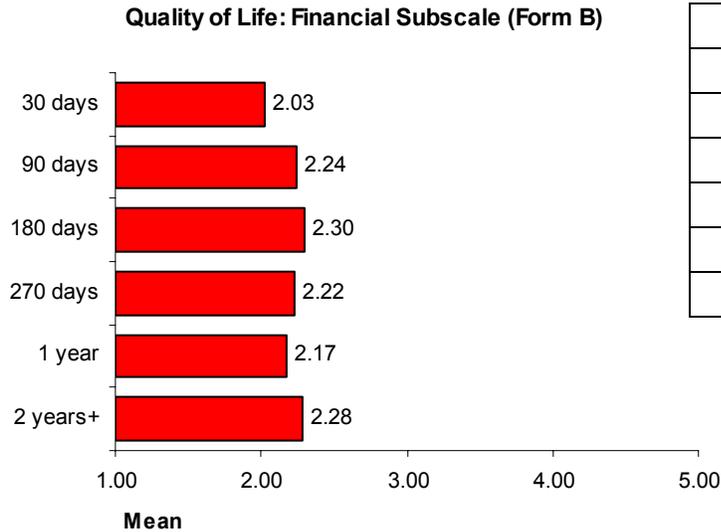
The Overall Quality of Life scale is the average of the first 12 items on Adult Consumer Form B (Part 1, Questions 1-12). These items assess satisfaction with various aspects of consumers' lives including satisfaction with friendships, finances, family relationships, and living arrangements. The scale 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 and then remain fairly consistent across the various categories of ratings based on the length of time between the date of agency admission and the date of Outcomes survey administration.



	N	Mean	SD
30 days	17,333	2.91	0.78
90 days	2,161	3.05	0.78
180 days	1,465	3.12	0.76
270 days	872	3.05	0.77
1 year	1,645	3.04	0.76
2 years+	4,118	2.96	0.78

Quality of Life: Financial Subscale

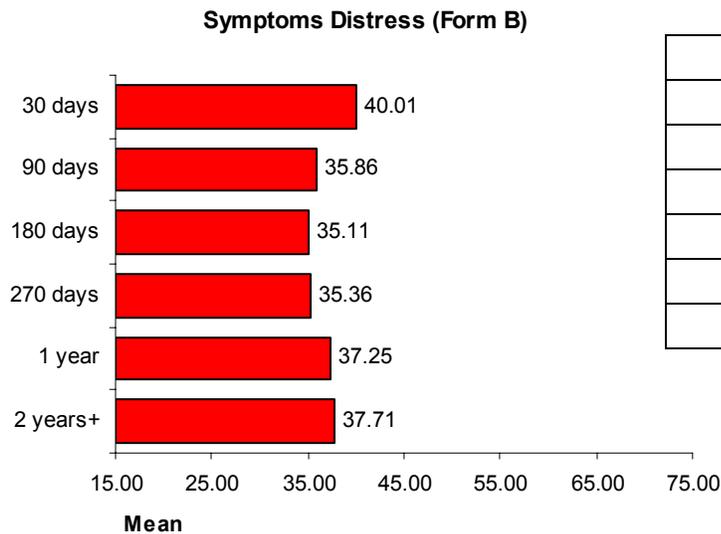
The Financial subscale is the average of three Quality of Life scale items pertaining to satisfaction with finances (Part 1, Questions 2-4). As with the Overall Quality of Life scale, the Financial subscale ranges from one to five, with higher scores indicating greater satisfaction with finances. For the Quality of Life Financial Subscale the average score improves from the “30 days” category to the “90 days” category and then remains fairly consistent.



	N	Mean	SD
30 days	17,356	2.03	1.02
90 days	2,157	2.24	1.06
180 days	1,456	2.30	1.08
270 days	865	2.22	1.04
1 year	1,623	2.17	1.04
2 years+	4,053	2.28	1.04

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 have services more than 180 days show slightly higher levels of symptom distress.



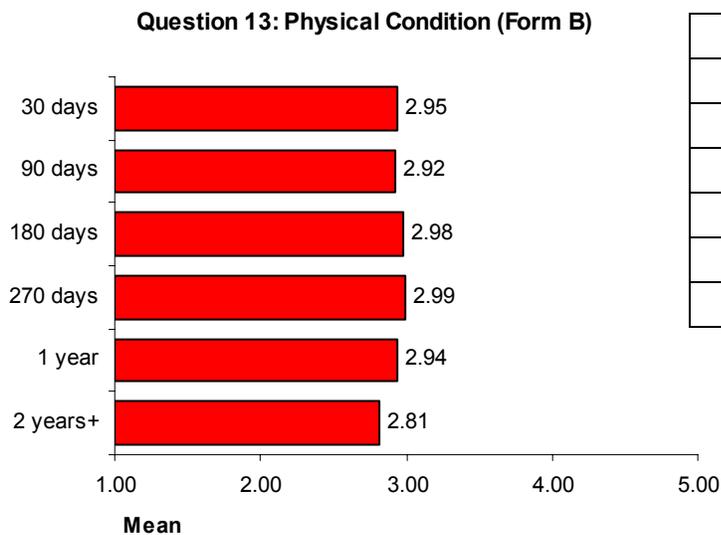
	N	Mean	SD
30 days	17,869	40.01	15.50
90 days	2,174	35.86	15.02
180 days	1,489	35.11	14.34
270 days	877	35.36	14.42
1 year	1,660	37.25	14.17
2 years+	4,164	37.71	14.13

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

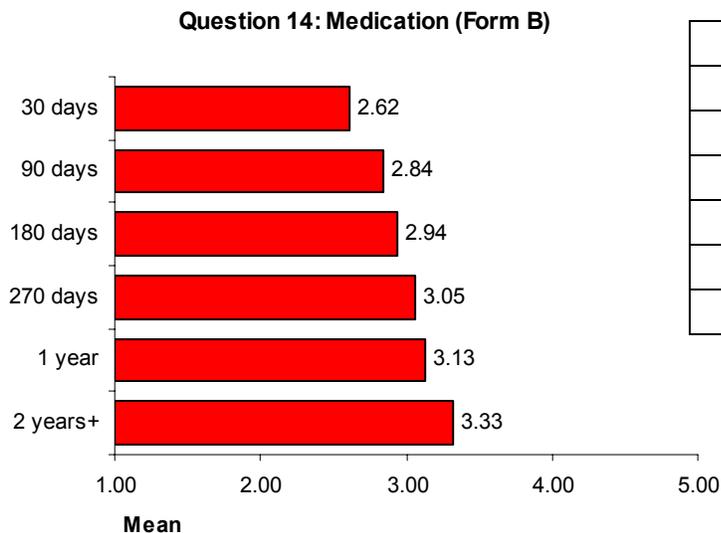
How often does your physical condition interfere with your day-to-day functioning?
1=Always; 5=Never



	N	Mean	SD
30 days	17,060	2.95	1.40
90 days	2,089	2.92	1.36
180 days	1,427	2.98	1.31
270 days	848	2.99	1.35
1 year	1,618	2.94	1.32
2 years+	4,085	2.81	1.37

Question 14

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

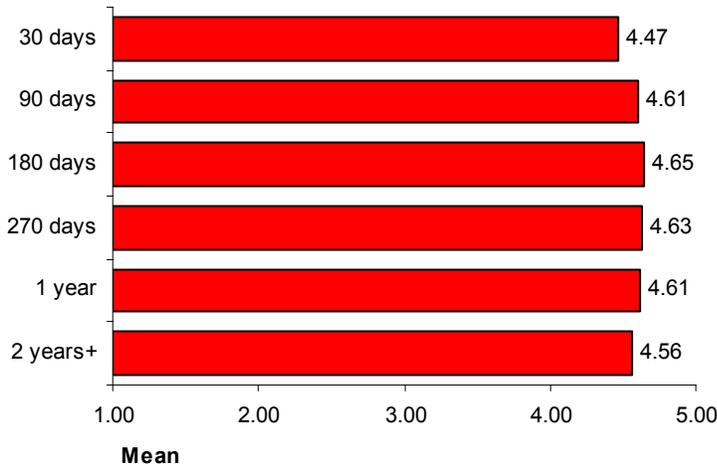


	N	Mean	SD
30 days	13,429	2.62	1.42
90 days	1,765	2.84	1.40
180 days	1,243	2.94	1.39
270 days	749	3.05	1.37
1 year	1,448	3.13	1.36
2 years+	3,887	3.33	1.36

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)

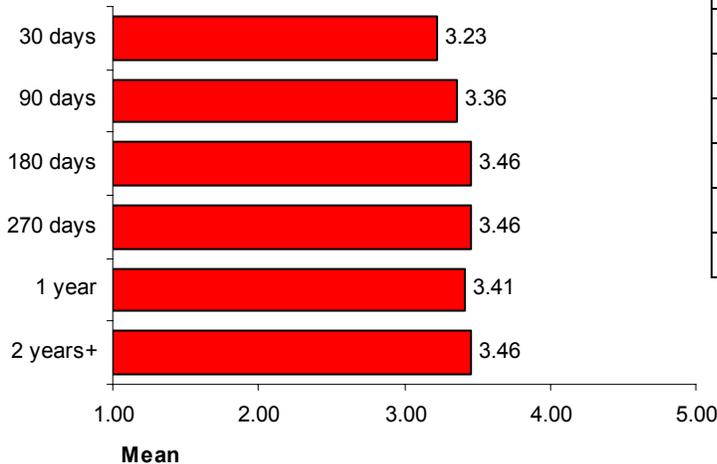


	N	Mean	SD
30 days	14,244	4.47	1.00
90 days	2,061	4.61	0.87
180 days	1,474	4.65	0.81
270 days	872	4.63	0.85
1 year	1,630	4.61	0.81
2 years+	4,134	4.56	0.86

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)

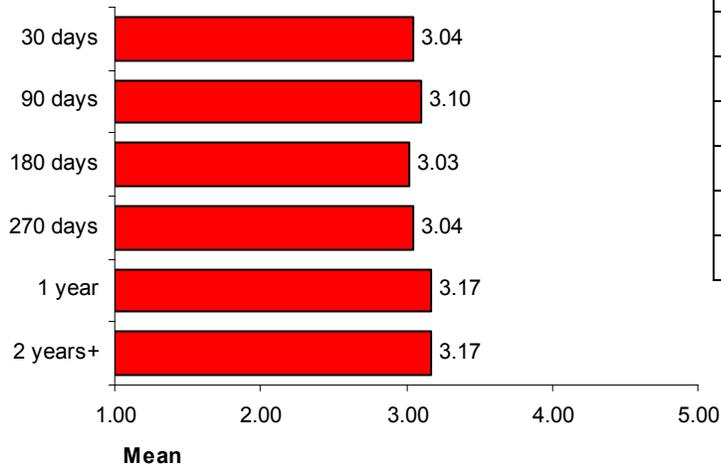


	N	Mean	SD
30 days	16,578	3.23	1.43
90 days	2,124	3.36	1.39
180 days	1,471	3.46	1.30
270 days	870	3.46	1.31
1 year	1,636	3.41	1.34
2 years+	4,156	3.46	1.30

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)

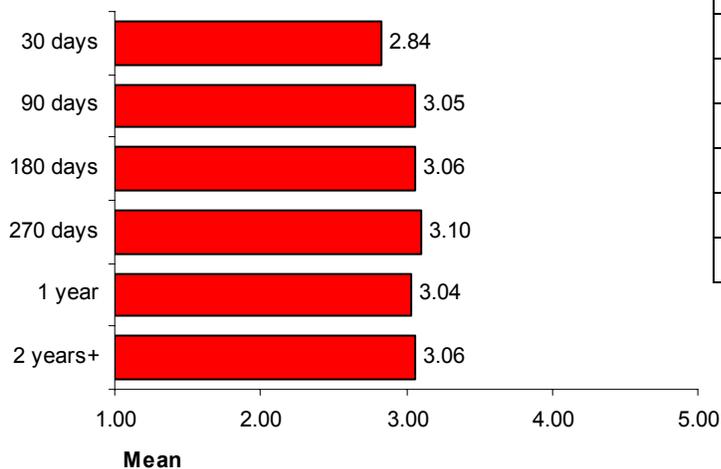


	N	Mean	SD
30 days	17,256	3.04	1.21
90 days	2,052	3.10	1.16
180 days	1,448	3.03	1.12
270 days	863	3.04	1.12
1 year	1,645	3.17	1.07
2 years+	4,102	3.17	1.07

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	16,914	2.84	1.10
90 days	2,028	3.05	1.07
180 days	1,431	3.06	1.04
270 days	860	3.10	1.04
1 year	1,610	3.04	1.02
2 years+	4,059	3.06	1.06

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 4, 2005 the statewide Outcomes database contained 27,618 Youth ratings from 20,050 individuals, 53,025 Parent ratings by 38,159 parents, and 53,781 Agency Worker ratings for 36,244 individuals with administration dates during the last two quarters of FY04 and the first two quarters of FY05 (January 1, 2004 – December 31, 2004). These data were submitted by 47 of Ohio's 50 board areas.

In the following tables, the **Outcomes Received** groups include the 20,050 individuals completing Youth ratings, 38,159 Parent ratings, and 36,244 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 81,761 individuals who were at least five years of age and less than 18 years of age with an eligible claim submitted for the last two quarters of FY04 and the first two quarters of FY05 (January 1, 2004 – December 31, 2004)¹². 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 47,830 individuals. The following tables compare the demographic characteristics of the Outcomes Received groups with the Outcomes Expected groups¹³.

Gender

There are 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=20,050)	Outcomes Expected (N=47,830)	Outcomes Received (N=38,159)	Outcomes Expected (N=81,761)	Outcomes Received (N=36,244)	Outcomes Expected (N=81,761)
Female	45.4%	44.0%	40.1%	40.6%	40.2%	40.6%
Male	54.4%	56.0%	59.7%	59.3%	59.6%	59.3%
Missing	0.2%	-	0.2%	<0.1%	0.2%	<0.1%
TOTAL	100%	100%	100%	100%	100%	100%

¹² Eligible claims were determined by the criteria set forth in The Ohio Mental Health Consumer Outcomes System: Procedural Manual, p. 3-11.

¹³ Gender, race, age and primary diagnosis data are from MACSIS Claims and Enrollment.

Race

For all three ratings, the Outcomes Received groups of youth are made up of a smaller percentage of Whites/Caucasians and a larger percentage of Blacks/African-Americans 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=20,050)	Outcomes Expected (N=47,830)	Outcomes Received (N=38,159)	Outcomes Expected (N=81,761)	Outcomes Received (N=36,244)	Outcomes Expected (N=81,761)
White/Caucasian	62.1%	68.0%	61.1%	67.3%	59.9%	67.3%
Black/African-Am.	30.6%	26.9%	30.4%	26.9%	31.8%	26.9%
Hispanic/Latino	1.5%	0.7%	1.6%	0.8%	1.5%	0.8%
Native Am./P.I.	0.4%	0.2%	0.3%	0.2%	0.3%	0.2%
Asian	0.1%	0.1%	0.2%	0.1%	0.1%	0.1%
Multi-racial	2.9%	2.0%	3.5%	2.3%	3.6%	2.3%
Unknown/Missing	2.5%	2.0%	3.0%	2.3%	2.7%	2.3%
TOTAL	100%	100%	100%	100%	100%	100%

Age

Comparing the mean ages of the Outcomes Received group and the Outcomes Expected group, all three groups --Youth ratings (mean=15.0, S.D.=2.1), the Parent ratings (mean=11.9, S.D.=3.8), and the Agency Worker ratings (mean=12.0, S.D.=3.9)-- show very close means to the Outcomes Expected group (Youth mean=14.8, S.D.=1.9, and Overall mean=12.2 S.D.=3.6).

	RATING SOURCE					
	YOUTH		PARENT		AGENCY WORKER	
	Outcomes Received (N=20,050)	Outcomes Expected (N=47,830)	Outcomes Received (N=38,159)	Outcomes Expected (N=81,761)	Outcomes Received (N=36,244)	Outcomes Expected (N=81,761)
<5	-	-	1.6%	-	1.5%	-
5-8	-	-	20.2%	19.5%	19.4%	19.5%
9-11	-	-	21.5%	22.0%	21.5%	22.0%
12-14	42.0%	45.6%	27.1%	26.7%	27.1%	26.7%
15+	57.9%	54.4%	29.6%	31.9%	30.6%	31.9%
Missing	<0.1%	-	<0.1%	-	<0.1%	-
TOTAL	100%	100%	100%	100%	100%	100%

Primary Diagnosis

“Attention-Deficit and Disruptive Behavior Disorders” is the largest group among all ratings. For the Youth ratings, “Mood Disorders” constitute a quarters of the ratings while 18% are diagnosed as “Adjustment Disorders”. For Parent and Agency Worker ratings, 22% have “Adjustment Disorders” and 17% have a primary diagnosis of “Mood Disorders”. Across all three rating sources, there are very small differences between the Outcomes Received group and the Outcomes Expected group from all diagnostic groups.

	RATING SOURCE					
	YOUTH		PARENT		AGENCY WORKER	
	Outcomes Received (N=20,050)	Outcomes Expected (N=47,830)	Outcomes Received (N=38,159)	Outcomes Expected (N=81,761)	Outcomes Received (N=36,244)	Outcomes Expected (N=81,761)
Attention-Deficit & Disruptive Behavior Disorders	39.7%	41.2	44.7%	45.3%	45.4%	45.3%
A. Attention Deficit/Hyperactivity Disorder	14.4%	18.1%	21.5%	24.1%	21.3%	24.1%
B. Conduct Disorder	4.8%	3.8%	3.5%	2.5%	4.0%	2.5%
C. Oppositional Defiant Disorder	16.6%	15.1%	14.6%	13.5%	15.0%	13.5%
D. Disruptive Behavior Disorder NOS	3.9%	4.2%	5.1%	5.2%	5.1%	5.2%
Adjustment Disorders	18.3%	18.7%	22.3%	22.0%	22.0%	22.0%
Mood Disorders (includes Depr., Bipolar, Other)	25.4%	25.8%	16.8%	18.4%	17.3%	18.4%
A. Depressive Disorders	18.1%	17.6%	11.5%	12.0%	11.9%	12.0%
B. Bipolar Disorders	4.7%	5.5%	3.3%	4.2%	3.4%	4.2%
C. All Other Mood Disorders	2.6%	2.7%	2.0%	2.2%	2.0%	2.2%
Schizophrenia & Other Psychotic Disorders	1.0%	1.0%	0.6%	0.7%	0.6%	0.7%
Anxiety Disorders	6.4%	6.2%	6.2%	6.3%	6.4%	6.3%
Pervasive Developmental Disorders	0.8%	0.9%	1.1%	1.2%	1.0%	1.2%
All Other Disorders Usually First Diagnosed in Infancy, Childhood, or Adolescence	1.8%	1.5%	2.4%	2.1%	2.4%	2.1%
All Other Diagnoses	4.5%	4.6%	3.5%	4.1%	3.2%	4.1%
Missing	2.2%	0.2%	2.4%	0.1%	1.6%	0.1%
TOTAL	100%	100%	100%	100%	100%	100%

Youth: Outcomes Status

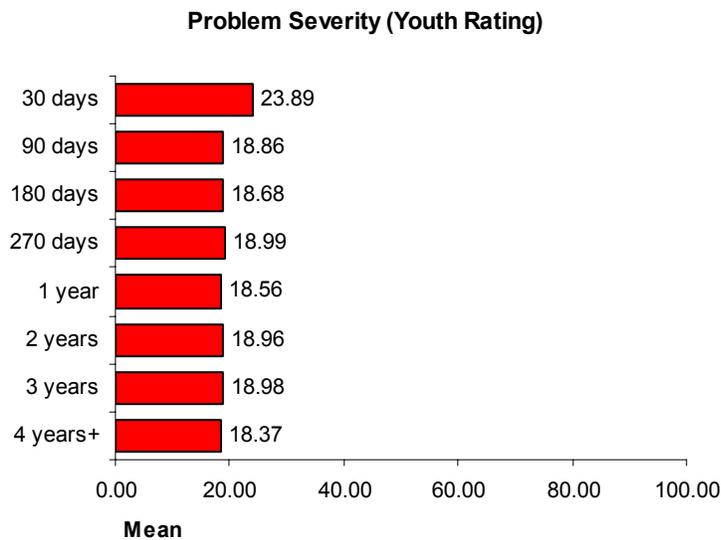
The following graphs summarize the 27,618 Youth ratings, 53,025 Parent ratings, and 53,781 Agency Worker ratings in the statewide Outcomes database with administration dates during the last two quarters of FY04 and the first two quarters of FY05 (January 1, 2004 – December 31, 2004). They demonstrate 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

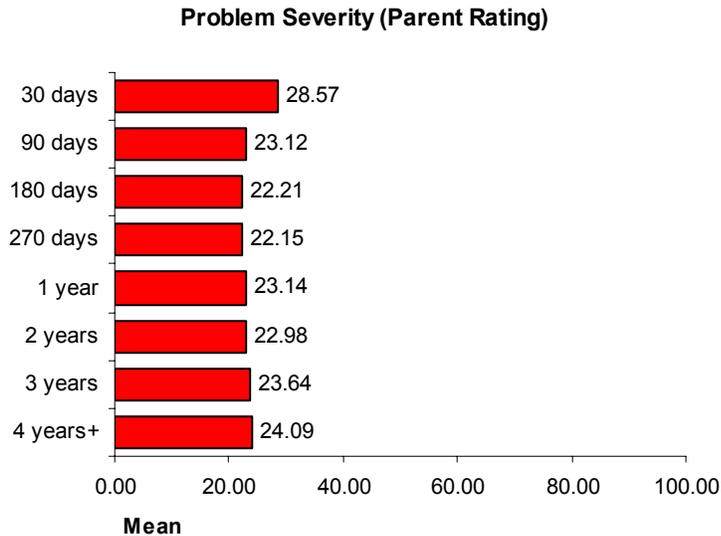
The average Problem Severity scores show the largest improvement occurring between the “30 days” and the “90 days” categories and they remain fairly consistent after “90 days” in service. Youth tend to rate themselves as having fewer problems than parents or workers rate them.



	N	Mean	SD
30 days	11,806	23.89	16.23
90 days	2,167	18.86	15.00
180 days	2,362	18.68	14.57
270 days	1,119	18.99	14.88
1 year	2,248	18.56	14.16
2 years	1,708	18.96	14.66
3 years	840	18.98	14.86
4 years+	1,480	18.37	14.69

Parent Rating

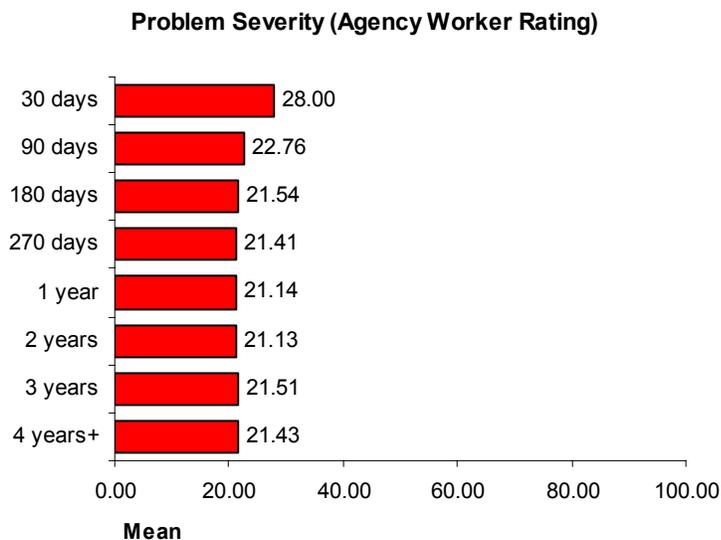
The Parent-rated Problem Severity scale scores significantly decrease between the “30 days” and the “90 days” categories, indicating an improvement. However, the average Problem Severity scale scores slightly increase as the time of services increases after “270 days”. Parents tend to rate their child/adolescent as having more problems than do either the Youth or the Workers.



	N	Mean	SD
30 days	23,513	28.57	16.32
90 days	4,254	23.12	15.42
180 days	4,593	22.21	15.10
270 days	2,293	22.15	14.89
1 year	4,433	23.14	14.95
2 years	3,298	22.98	15.03
3 years	1,544	23.64	14.94
4 years+	2,189	24.09	15.34

Agency Worker Rating

On average, Agency Worker Problem Severity scale scores significantly decrease between the “30 days” and the “90 days” categories, indicating an improvement. The average scores then remain rather consistent after the “180 days” point. Average Worker scores tend to be in the middle between Youth ratings and Parent ratings.



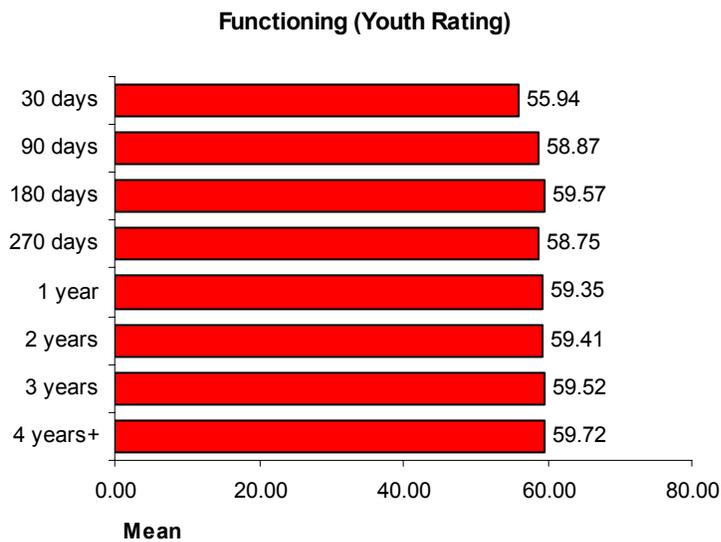
	N	Mean	SD
30 days	20,587	28.00	14.14
90 days	6,457	22.76	13.22
180 days	6,631	21.54	12.94
270 days	3,389	21.41	12.94
1 year	5,990	21.14	12.51
2 years	4,174	21.13	12.53
3 years	1,854	21.51	12.72
4 years+	2,470	21.43	13.26

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

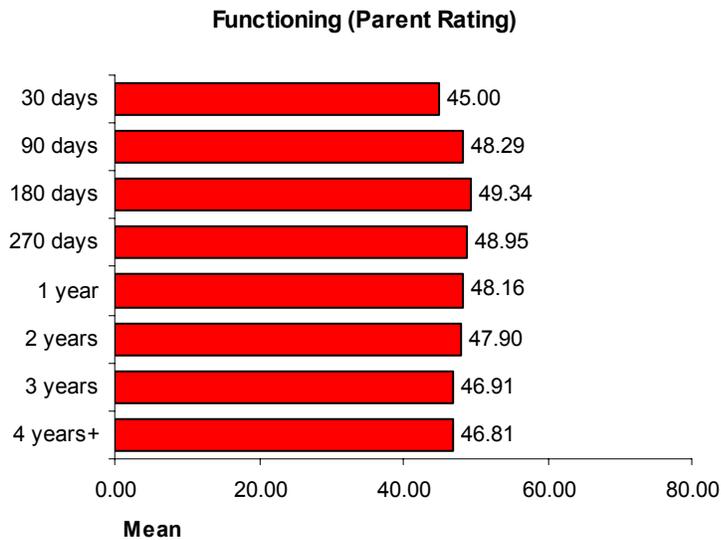
The average Youth Functioning scale scores slightly improve as the length of time between the date of agency admission and the date of Outcomes survey administration increases. The average Youth Functioning scale scores also indicate that significant improvement occurs between “30 days” and “90 days” 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	11,551	55.94	13.29
90 days	2,139	58.87	13.53
180 days	2,336	59.57	12.72
270 days	1,107	58.75	12.99
1 year	2,216	59.35	12.97
2 years	1,679	59.41	12.88
3 years	831	59.52	13.06
4 years+	1,457	59.72	13.44

Parent Rating

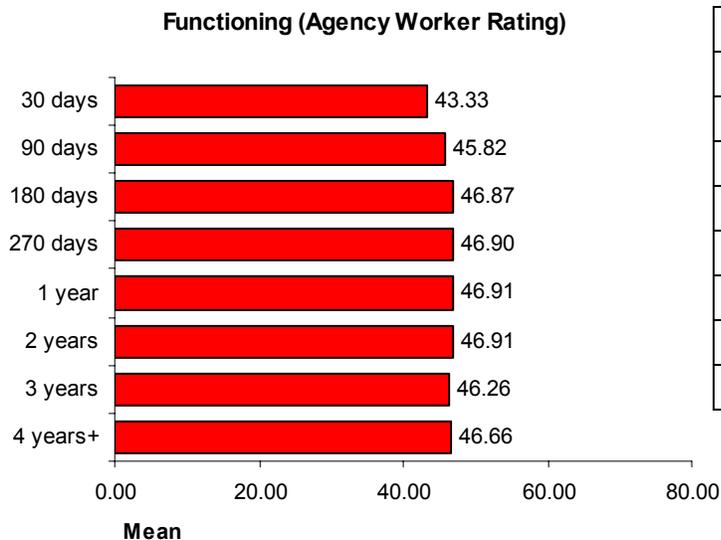
On average, Parent-rated Functioning scale scores increase between the “30 days” and the “90 days” categories of ratings and remain consistent afterwards, with slight decreases after the “180 days” point. Parents tend to rate their child/adolescent as doing worse on functioning than the youth rates himself or herself but better than the worker rates the child/adolescent.



	N	Mean	SD
30 days	22,695	45.00	15.08
90 days	4,173	48.29	15.15
180 days	4,539	49.34	14.77
270 days	2,265	48.95	14.84
1 year	4,401	48.16	14.49
2 years	3,252	47.90	14.48
3 years	1,527	46.91	14.59
4 years+	2,169	46.81	14.89

Agency Worker Rating

Agency Worker rated Functioning scale scores slightly increase, on average, between the first two categories of ratings, and then level off. Workers tend to rate child/adolescent functioning at lower levels than do youth or parents.



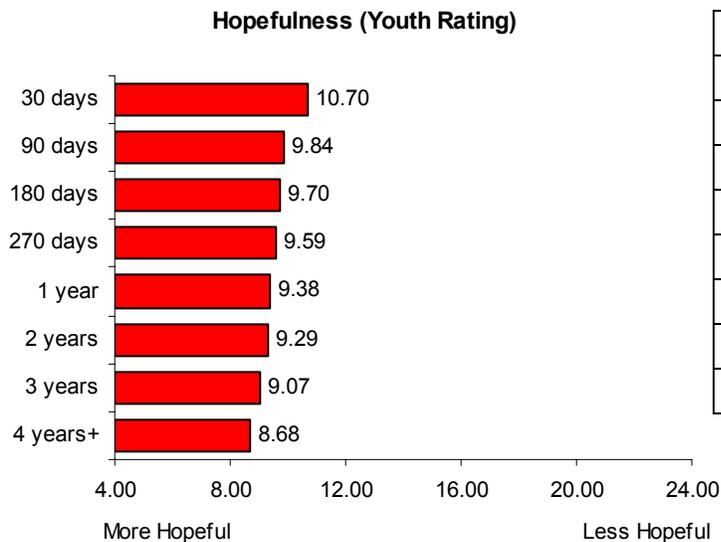
	N	Mean	SD
30 days	20,173	43.33	12.42
90 days	6,341	45.82	12.76
180 days	6,546	46.87	12.50
270 days	3,358	46.90	12.67
1 year	5,939	46.91	12.18
2 years	4,139	46.91	12.12
3 years	1,835	46.26	12.14
4 years+	2,450	46.66	13.03

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

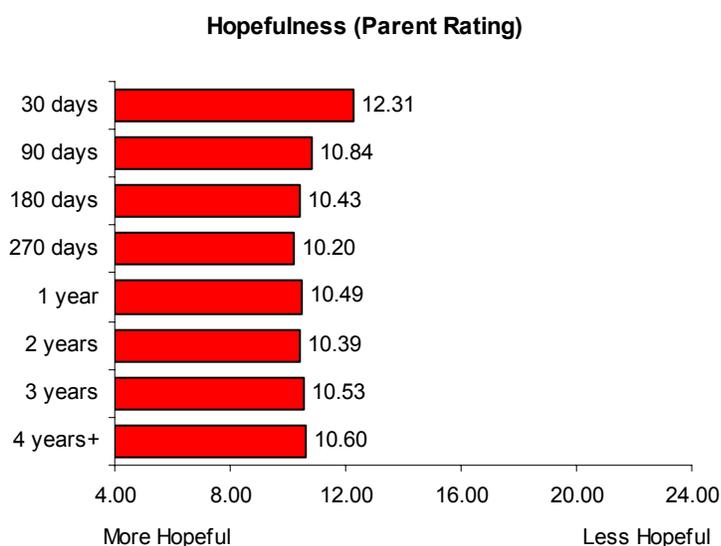
For ratings based on the length of time between the date of agency admission and the date of Outcomes survey administration, average Youth Hopefulness scale scores gradually improve.



	N	Mean	SD
30 days	10,776	10.70	4.25
90 days	2,021	9.84	4.10
180 days	2,230	9.70	4.01
270 days	1,070	9.59	3.98
1 year	2,125	9.38	4.03
2 years	1,613	9.29	3.93
3 years	799	9.07	4.14
4 years+	1,391	8.68	3.82

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 after the “270 days” in service.



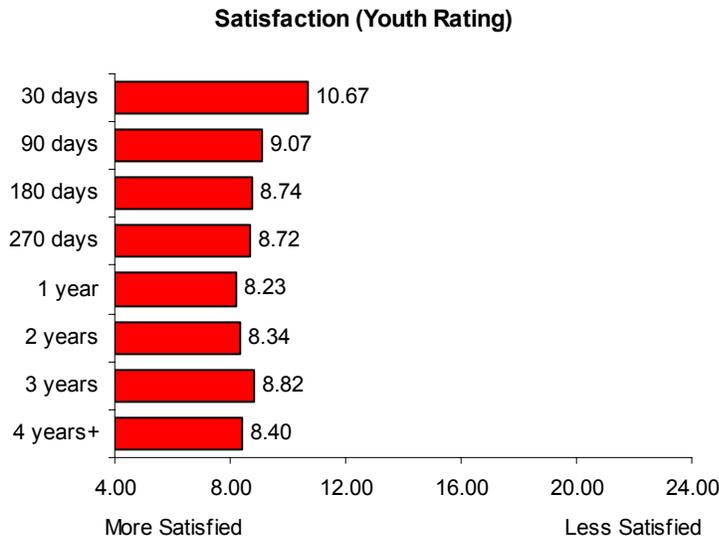
	N	Mean	SD
30 days	21,991	12.31	4.49
90 days	4,070	10.84	4.23
180 days	4,434	10.43	4.07
270 days	2,222	10.20	4.13
1 year	4,323	10.49	4.06
2 years	3,195	10.39	4.14
3 years	1,497	10.53	4.10
4 years+	2,122	10.60	4.22

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

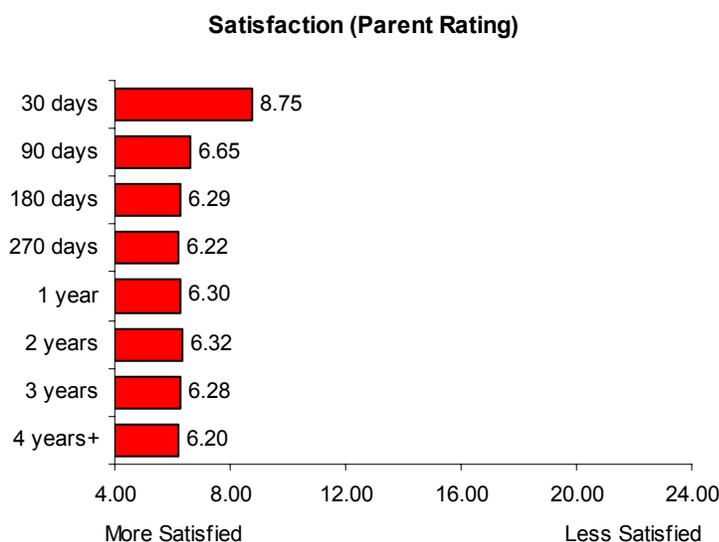
The largest improvement of satisfaction occurs between the “30 days” and the “90 days” categories. The average Youth Satisfaction scale scores decrease, indicating improvement, as the amount of time between the date of admission and administration increases. However, the satisfaction scores of the youth slightly increases after “1 year” in time of service, indicating a deterioration in satisfaction.



	N	Mean	SD
30 days	6,959	10.67	5.02
90 days	1,851	9.07	4.87
180 days	2,155	8.74	4.68
270 days	1,027	8.72	4.60
1 year	2,046	8.23	4.34
2 years	1,562	8.34	4.61
3 years	780	8.82	4.83
4 years+	1,342	8.40	4.47

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. However, parents always tend to be more satisfied with services than are youth.



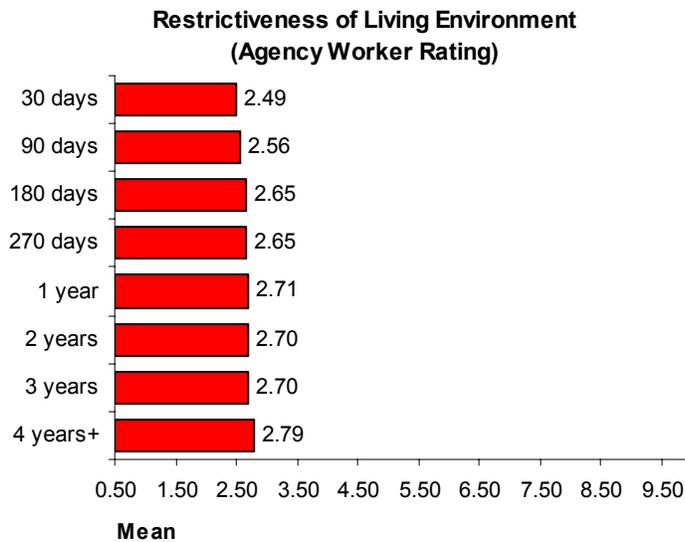
	N	Mean	SD
30 days	12,405	8.75	4.86
90 days	3,644	6.65	3.54
180 days	4,303	6.29	3.30
270 days	2,162	6.22	3.27
1 year	4,191	6.30	3.28
2 years	3,074	6.32	3.33
3 years	1,468	6.28	3.17
4 years+	2,066	6.20	3.14

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, indicating greater restrictiveness of living settings, as the amount of time between the date of admission and date of administration increases.



	N	Mean	SD
30 days	19,500	2.49	1.07
90 days	6,152	2.56	1.16
180 days	6,393	2.65	1.26
270 days	3,265	2.65	1.25
1 year	5,752	2.71	1.27
2 years	3,923	2.70	1.21
3 years	1,757	2.70	1.22
4 years+	2,300	2.79	1.22