

Ohio Mental Health Consumer Outcomes System

Report 3



January 2004

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 14)
- 3) **Youth** (beginning on page 23).

Demographic and Outcomes status data, for all ratings contained in the statewide database as of July 7, 2003 with administration dates during Fiscal Year (FY) 2003, 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 FY03 ratings 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 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 Emily Bunt in the Office of Program Evaluation and Research at the Ohio Department of Mental Health (E-mail: bunte@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 July 7, 2003 the statewide Outcomes database contained 14,114 Adult Consumer Form A ratings with administration dates during FY03. These data were submitted by 23 of Ohio's 50 board areas.

In the following tables, the "Outcomes Received" group includes the 14,114 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. The "Outcomes Expected" group includes 76,732 individuals who were at least 18 years of age with an eligible claim submitted for FY03¹.

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

Virtually no differences exist in the percentage of females in the "Outcomes Received" and "Outcomes Expected" groups.

	Outcomes Received (N=14,114)	Outcomes Expected (N=76,732)
Female	56.4%	56.5%
Male	43.6%	43.5%
Missing	0	<0.1%
TOTAL	100%	100%

Race

Compared to the "Outcomes Expected" group, the "Outcomes Received" group is made up of 2.1% fewer Whites/Caucasians, and 4.4% more Blacks/African-Americans. Differences of less than one percent exist between the two groups for the other racial categories.

	Outcomes Received (N=14,114)	Outcomes Expected (N=76,732)
White/Caucasian	68.4%	70.5%
Black/African-Am.	28.5%	24.1%
Hispanic/Latino	0.1%	0.3%
Native Am./P.I.	0.4%	0.5%
Asian	0.5%	0.4%
Multi-racial	0.9%	1.5%
Unknown/Missing	1.3%	2.7%
TOTAL	100%	100%

¹ Eligible claims were determined by the criteria set forth in The Ohio Mental Health Consumer Outcomes System: Procedural Manual (Fifth Edition), p. 3-10.

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

Age

On average, the “Outcomes Received” group (mean=44.6) is slightly older than the “Outcomes Expected” group (43.3).

	Outcomes Received (N=14,114)	Outcomes Expected (N=76,732)
<24	7.8%	11.5%
25-34	16.2%	17.8%
35-44	27.9%	26.6%
45-54	28.2%	25.3%
55-64	12.7%	11.8%
65+	7.2%	7.0%
Missing	0	0
TOTAL	100%	100%

Primary Diagnosis

Approximately 85% of the ratings in the “Outcomes Received” group are from individuals who have primary diagnoses that fall under the categories of “Schizophrenia and Other Psychotic Disorders” or “Mood Disorders.” The “Outcomes Received” group is comprised of 7.1% more individuals diagnosed with schizophrenia and other psychotic disorders than the “Outcomes Expected” group.

	Outcomes Received (N=14,114)	Outcomes Expected (N=76,732)
Substance-Related Disorders	2.2%	4.3%
Schizophrenia & Other Psychotic Disorders	38.7%	31.6%
Mood Disorders (includes Depressive, Bipolar, Other)	46.2%	45.5%
A. Depressive Disorders	28.1%	29.5%
B. Bipolar Disorders	16.3%	13.7%
C. All Other Mood Disorders	1.8%	2.3%
Anxiety Disorders	3.6%	5.5%
Adjustment Disorders	2.0%	5.1%
Personality Disorders	1.5%	1.4%
All Other Diagnoses ³	3.0%	5.3%
Missing	2.8%	1.1%
TOTAL	100%	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.

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

Approximately 30% of 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 degree they have obtained is a high school diploma/GED. About one-quarter 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	4,263	30.2%
H.S. diploma/GED	4,358	30.9%
>H.S. diploma/GED & <4 yr degree	2,791	19.8%
4 yr degree and above	756	5.4%
Missing	1,946	13.8%
TOTAL	14,114	100%

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

Forty-one percent of the ratings in the “Outcomes Received” group are from individuals who reported they have never been married. Slightly less than 30% are from divorced or separated individuals.

	Outcomes Received	
	Number	Percent
Never married	5,798	41.1%
Married	1,409	10.0%
Separated	608	4.3%
Divorced	3,478	24.6%
Widowed	653	4.6%
Living together	244	1.7%
Missing	1,924	13.6%
TOTAL	14,114	100%

Living Situation *(only collected from individuals with Outcomes data)*

Slightly less than half of the ratings in the “Outcomes Received” group are from individuals who reported living in their own house/apartment; 17% are from individuals who reported living in a relative’s home.

	Outcomes Received	
	Number	Percent
Your own house/apartment	6,461	45.8%
Friend’s home	739	5.2%
Relative’s home	2,387	16.9%
Supervised living	1,321	9.4%
Nursing facility	166	1.2%
Foster care	20	0.1%
MH treatment facility	192	1.4%
Homeless	550	3.9%
Correctional facility	41	0.3%
Other	455	3.2%
Missing	1,782	12.6%
TOTAL	14,114	100%

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

Sixty-two percent of the ratings in the “Outcomes Received” group are from individuals who reported they are either unemployed or disabled. Fourteen percent are from individuals who reported working full or part time.

	Outcomes Received	
	Number	Percent
Full time	733	5.2%
Part time	1,198	8.5%
Sheltered employment	176	1.2%
Unemployed	4,528	32.1%
Homemaker	291	2.1%
Student	81	0.6%
Retired	685	4.9%
Disabled	4,186	29.7%
Inmate of institution	58	0.4%
Other	189	1.3%
Missing	1,989	14.1%
TOTAL	14,114	100%

Adult Consumer Form A: Outcomes Status

The following graphs summarize the 14,114 Adult Consumer Form A ratings in the statewide Outcomes database with administration dates during FY03. 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.

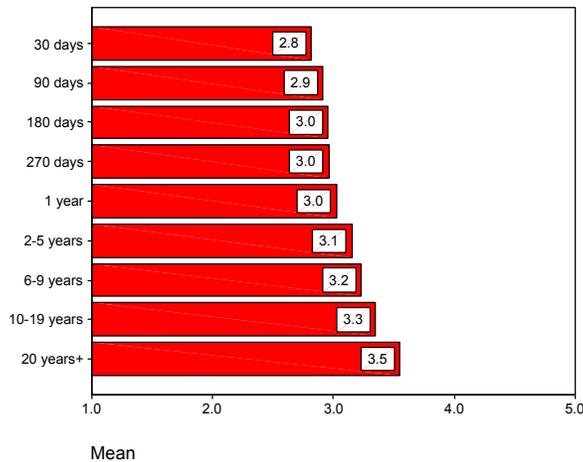
SCALES

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 increase as the amount of time between the date of admission and administration of the Outcomes survey increases.

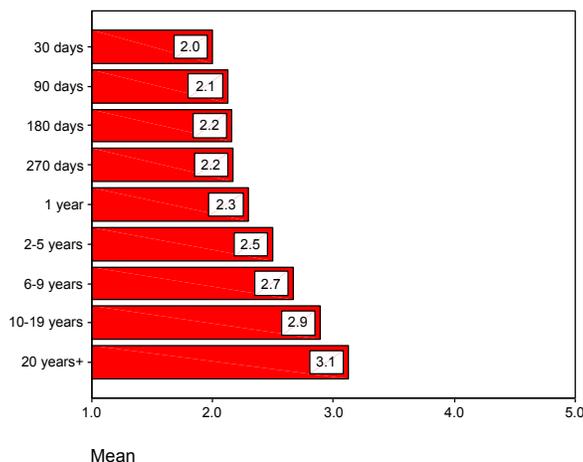


	N	Mean	SD
30 days	1,985	2.8	0.8
90 days	563	2.9	0.8
180 days	625	3.0	0.7
270 days	482	3.0	0.7
1 year	1,107	3.0	0.7
2-5 years	3,495	3.1	0.8
6-9 years	2,147	3.2	0.7
10-19 years	1,624	3.3	0.8
20 years+	266	3.5	0.7

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.

As with the Overall Quality of Life scale, average Financial subscale scores increase as the amount of time between the date of admission and administration increases.

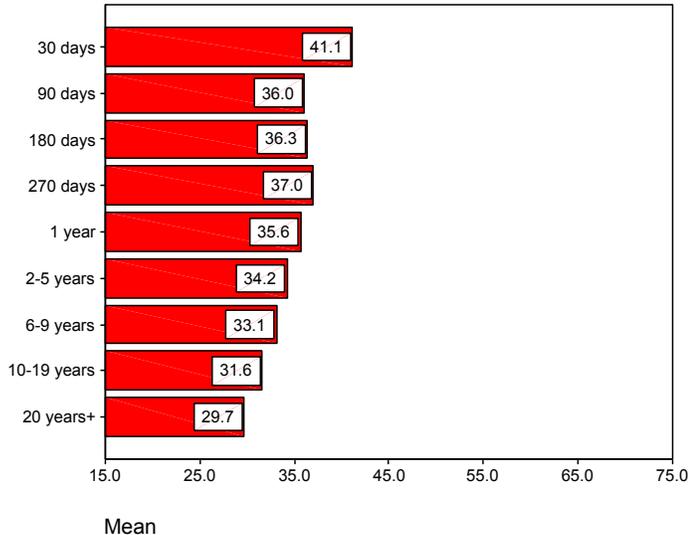


	N	Mean	SD
30 days	1,987	2.0	1.0
90 days	548	2.1	1.1
180 days	599	2.2	1.0
270 days	475	2.2	1.1
1 year	1,089	2.3	1.1
2-5 years	3,403	2.5	1.1
6-9 years	2,137	2.7	1.1
10-19 years	1,586	2.9	1.1
20 years+	270	3.1	1.1

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 administration increases.

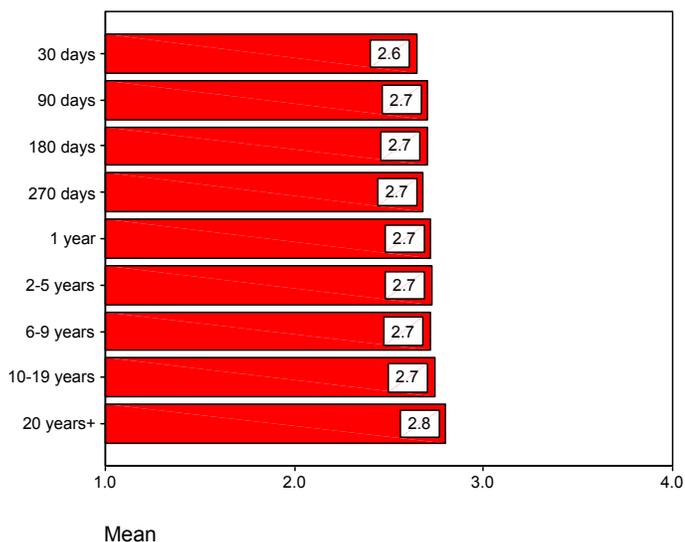


	N	Mean	SD
30 days	2,047	41.1	14.9
90 days	573	36.0	14.0
180 days	644	36.3	14.2
270 days	490	37.0	14.1
1 year	1,129	35.6	14.0
2-5 years	3,563	34.2	13.9
6-9 years	2,194	33.1	12.9
10-19 years	1,648	31.6	13.0
20 years+	272	29.7	11.1

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 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.



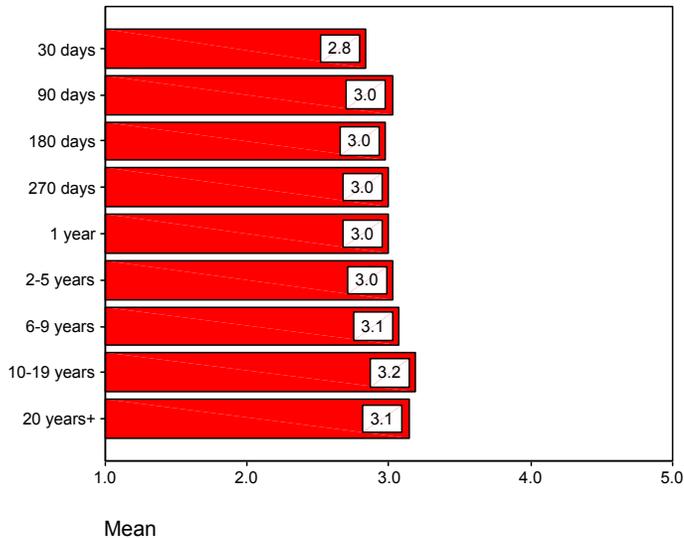
	N	Mean	SD
30 days	1,815	2.6	0.3
90 days	539	2.7	0.3
180 days	611	2.7	0.3
270 days	466	2.7	0.3
1 year	1,062	2.7	0.3
2-5 years	3,386	2.7	0.3
6-9 years	2,067	2.7	0.3
10-19 years	1,559	2.7	0.3
20 years+	241	2.8	0.3

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

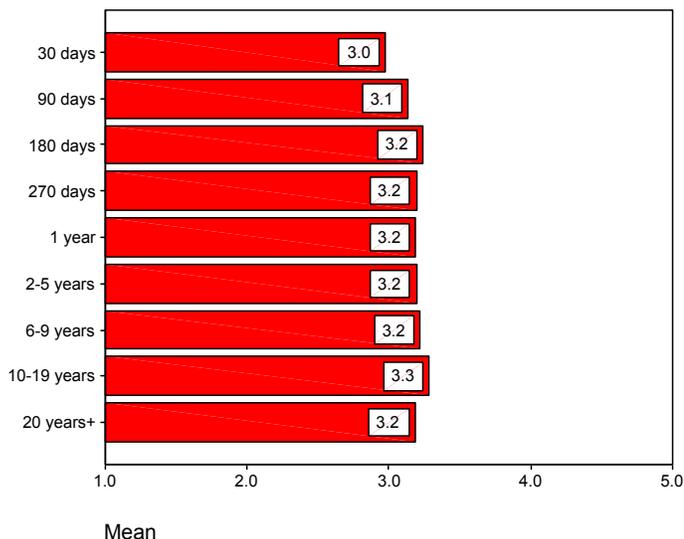
How often does your physical condition interfere with your day-to-day functioning?
1=Always; 5=Never



	N	Mean	SD
30 days	1,984	2.8	1.3
90 days	546	3.0	1.3
180 days	621	3.0	1.2
270 days	473	3.0	1.3
1 year	1,087	3.0	1.3
2-5 years	3,448	3.0	1.3
6-9 years	2,126	3.1	1.2
10-19 years	1,592	3.2	1.2
20 years+	264	3.1	1.2

Question 14

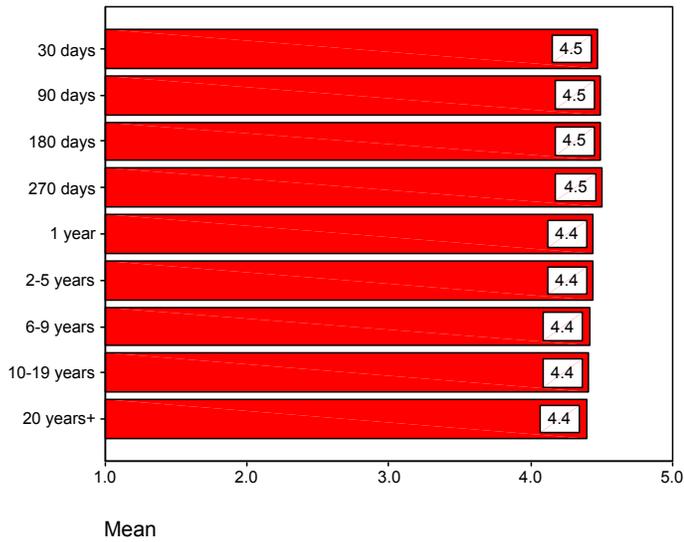
Concerns about my medications (such as side effects, dosage, type of medication) are addressed:
1=Never; 5=Always



	N	Mean	SD
30 days	1,766	3.0	1.3
90 days	521	3.1	1.3
180 days	609	3.2	1.3
270 days	466	3.2	1.3
1 year	1,083	3.2	1.3
2-5 years	3,419	3.2	1.3
6-9 years	2,105	3.2	1.3
10-19 years	1,607	3.3	1.3
20 years+	268	3.2	1.4

Question 15

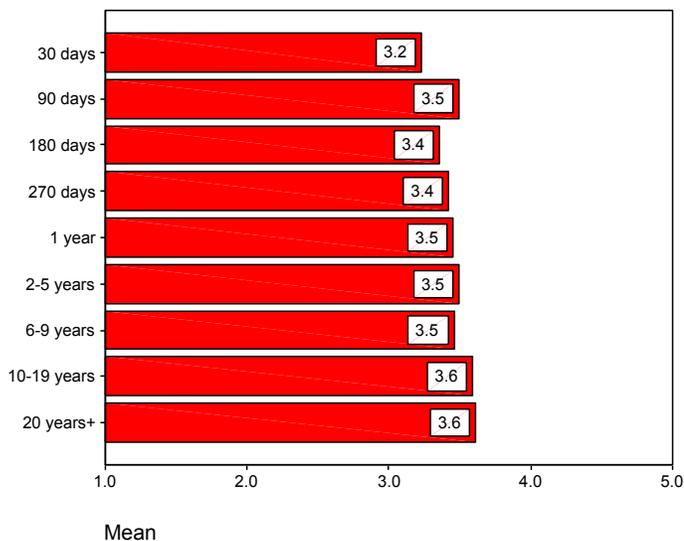
I have been treated with dignity and respect at this agency.
1=Never; 5=Always



	N	Mean	SD
30 days	1,753	4.5	0.9
90 days	561	4.5	0.8
180 days	638	4.5	0.8
270 days	489	4.5	0.8
1 year	1,121	4.4	0.9
2-5 years	3,561	4.4	0.9
6-9 years	2,184	4.4	0.9
10-19 years	1,645	4.4	0.9
20 years+	273	4.4	0.9

Question 16

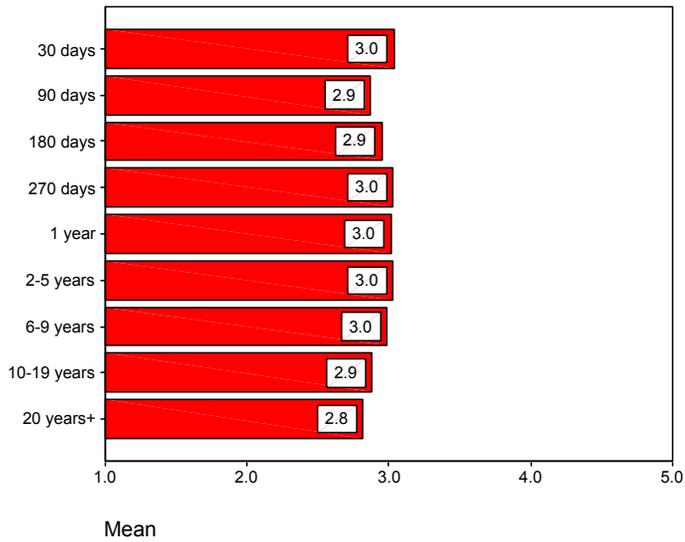
How often do you feel threatened by people's reactions to your mental health problems?
1=Always; 5=Never



	N	Mean	SD
30 days	1,993	3.2	1.3
90 days	566	3.5	1.3
180 days	636	3.4	1.3
270 days	488	3.4	1.3
1 year	1,121	3.5	1.2
2-5 years	3,537	3.5	1.2
6-9 years	2,170	3.5	1.2
10-19 years	1,638	3.6	1.2
20 years+	268	3.6	1.2

Question 32

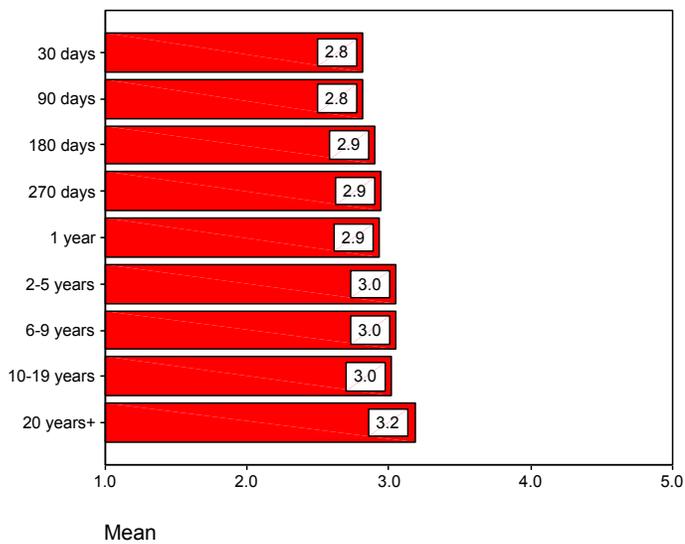
How often can you tell when mental or emotional problems are about to occur?
1=Never; 5=Always



	N	Mean	SD
30 days	1,990	3.0	1.2
90 days	565	2.9	1.1
180 days	634	2.9	1.1
270 days	487	3.0	1.1
1 year	1,119	3.0	1.2
2-5 years	3,542	3.0	1.2
6-9 years	2,167	3.0	1.2
10-19 years	1,631	2.9	1.2
20 years+	263	2.8	1.2

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	1,976	2.8	1.1
90 days	563	2.8	1.1
180 days	628	2.9	1.0
270 days	478	2.9	1.0
1 year	1,107	2.9	1.1
2-5 years	3,518	3.0	1.1
6-9 years	2,140	3.0	1.1
10-19 years	1,604	3.0	1.2
20 years+	258	3.2	1.2

Provider Form A: Demographics

As of July 7, 2003 the statewide Outcomes database contained 14,760 Provider Form A ratings with administration dates during FY03. These data were submitted by 20 of Ohio's 50 board areas.

In the following tables, the “**Outcomes Received**” group includes the 14,760 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. The “**Outcomes Expected**” group⁴ includes 76,732 individuals who were at least 18 years of age with an eligible claim submitted for FY03⁵.

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

Gender

The percentage of females in the “Outcomes Received” and “Outcomes Expected” groups are identical.

	Outcomes Received (N=14,760)	Outcomes Expected (N=76,732)
Female	56.5%	56.5%
Male	43.5%	43.5%
Missing	0	<0.1%
TOTAL	100%	100%

Race

Compared to the “Outcomes Expected” group, the “Outcomes Received” group is made up of 2.8% fewer Whites/Caucasians and five percent more Blacks/African-Americans. Differences of less than two percent exist between the two groups for the other racial categories.

	Outcomes Received (N=14,760)	Outcomes Expected (N=76,732)
White/Caucasian	67.7%	70.5%
Black/African-Am.	29.1%	24.1%
Hispanic/Latino	0.1%	0.3%
Native Am./P.I.	0.4%	0.5%
Asian	0.5%	0.4%
Multi-racial	0.8%	1.5%
Unknown/Missing	1.4%	2.7%
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 (Fifth Edition), p. 3-10.

⁶ Gender, race, age and primary diagnosis data are from MACSIS Claims and Enrollment.

Age

On average, the “Outcomes Received” group (mean=44.7) is slightly older than the “Outcomes Expected” group (mean 43.3).

	Outcomes Received (N=14,760)	Outcomes Expected (N=76,732)
<24	8.3%	11.5%
25-34	16.0%	17.8%
35-44	27.3%	26.6%
45-54	27.8%	25.3%
55-64	12.8%	11.8%
65+	7.8%	7.0%
Missing	0	0
TOTAL	100%	100%

Primary Diagnosis

Approximately 85% of the ratings in the “Outcomes Received” group are from individuals who have primary diagnoses that fall under the categories of “Schizophrenia and Other Psychotic Disorders” or “Mood Disorders.” The “Outcomes Received” group is comprised of 6.6% more individuals with schizophrenia and other psychotic disorders than the “Outcomes Expected” group.

	Outcomes Received (N=14,760)	Outcomes Expected (N=76,732)
Substance-Related Disorders	2.5%	4.3%
Schizophrenia & Other Psychotic Disorders	38.2%	31.6%
Mood Disorders (includes Depressive, Bipolar, Other)	46.3%	45.5%
A. Depressive Disorders	28.6%	29.5%
B. Bipolar Disorders	16.2%	13.7%
C. All Other Mood Disorders	1.5%	2.3%
Anxiety Disorders	3.7%	5.5%
Adjustment Disorders	2.1%	5.1%
Personality Disorders	1.6%	1.4%
All Other Diagnoses ⁷	2.9%	5.3%
Missing	2.8%	1.1%
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.

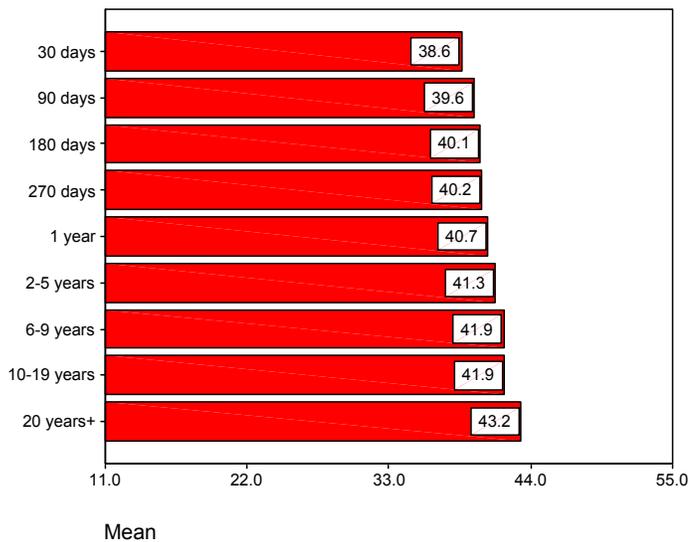
Provider Form A: Outcomes Status

The following graph summarizes the 14,760 Provider Form A ratings in the statewide Outcomes database with administration dates during FY03. It demonstrates 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.

As displayed in the following graph, average Community Functioning scale scores slightly increase as the amount of time between the date of admission and Outcomes survey administration increases.



	N	Mean	SD
30 days	1,536	38.6	6.4
90 days	603	39.6	6.5
180 days	790	40.1	6.7
270 days	577	40.2	6.6
1 year	1,352	40.7	6.4
2-5 years	3,947	41.3	6.3
6-9 years	2,410	41.9	5.7
10-19 years	1,835	41.9	5.6
20 years+	270	43.2	4.8

⁸ Details regarding the computation of this scale can be obtained in The Ohio Mental Health Consumer Outcomes System: Procedural Manual (Fifth Edition), Chapter 6.

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 not a Provider Form for this population.

Adult Consumer Form B: Demographics

As of July 7, 2003 the statewide Outcomes database contained 9,646 Adult Consumer Form B ratings with administration dates during FY03. These data were submitted by 20 of Ohio's 50 board areas.

In the following tables, the “**Outcomes Received**” group includes the 9,646 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. The “**Outcomes Expected**” group includes 59,715 individuals who were at least 18 years of age with an eligible claim submitted for FY03⁹

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 percentage of females in the “Outcomes Received” and “Outcomes Expected” groups are similar.

	Outcomes Received (N=9,646)	Outcomes Expected (N=59,715)
Female	60.2%	61.0%
Male	39.8%	39.0%
Missing	<0.1%	<0.1%
TOTAL	100%	100%

Race

Compared to the “Outcomes Expected” group, the “Outcomes Received” group is made up of 2.7% fewer Whites/Caucasians, and 2.8% more Blacks/African-Americans. Differences of less than one percent exist between the two groups for the other racial categories.

	Outcomes Received (N=9,646)	Outcomes Expected (N=59,715)
White/Caucasian	79.6%	82.3%
Black/African-Am.	16.9%	14.1%
Hispanic/Latino	0.1%	0.3%
Native Am./P.I.	0.5%	0.3%
Asian	0.4%	0.2%
Multi-racial	1.2%	1.0%
Unknown/Missing	1.4%	1.7%
TOTAL	100%	100%

⁹ Eligible claims were determined by the criteria set forth in The Ohio Mental Health Consumer Outcomes System: Procedural Manual (Fifth Edition), p. 3-10.

¹⁰ Gender, race, age and primary diagnosis data are from MACSIS Claims and Enrollment.

Age

On average, the “Outcomes Received” group (mean=37.3) is slightly younger than the “Outcomes Expected” group (38.4).

	Outcomes Received (N=9,646)	Outcomes Expected (N=59,715)
<24	18.0%	18.4%
25-34	30.7%	26.8%
35-44	27.2%	25.5%
45-54	15.3%	18.1%
55-64	5.0%	7.4%
65+	3.7%	3.9%
Missing	0	0
TOTAL	100%	100%

Primary Diagnosis

Forty-four percent of the ratings in the “Outcomes Received” group are from individuals who have primary diagnoses that are included in the “Mood Disorders” category; 19% have diagnoses in the “Adjustment Disorders” category. The “Outcomes Received” group contains 4.9% fewer individuals with mood disorders, and 2.8% more individuals with adjustment disorders than the “Outcomes Expected” group.

	Outcomes Received (N=9,646)	Outcomes Expected (N=59,715)
Substance-Related Disorders	10.9%	7.6%
Schizophrenia & Other Psychotic Disorders	3.5%	6.0%
Mood Disorders (includes Depressive, Bipolar, Other)	44.3%	49.2%
A. Depressive Disorders	33.5%	37.6%
B. Bipolar Disorders	8.3%	8.9%
C. All Other Mood Disorders	2.5%	2.7%
Anxiety Disorders	9.5%	10.9%
Adjustment Disorders	19.3%	16.5%
Personality Disorders	1.2%	1.1%
All Other Diagnoses ¹¹	6.1%	7.8%
Missing	5.2%	0.9%
TOTAL	100%	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.

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; 33% are from individuals who indicated the highest degree they have obtained is a high school diploma/GED. Slightly less than one-third are from individuals who indicated they have received further education—six percent from those having earned at least a four-year degree.

	Outcomes Received	
	Number	Percent
<H.S. diploma/GED	2,580	26.7%
H.S. diploma/GED	3,198	33.2%
>H.S. diploma/GED & <4 yr degree	2,529	26.2%
4 yr degree and above	540	5.6%
Missing	799	8.3%
TOTAL	9,646	100%

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 one-quarter are from divorced or separated individuals, and 17% are from individuals who reported they are married.

	Outcomes Received	
	Number	Percent
Never married	2,842	29.5%
Married	1,608	16.7%
Separated	728	7.5%
Divorced	1,851	19.2%
Widowed	252	2.6%
Living together	398	4.1%
Missing	1,967	20.4%
TOTAL	9,646	100%

Living Situation *(only collected from individuals with Outcomes data)*

Slightly less than half of the ratings in the “Outcomes Received” group are from individuals who reported living in their own house/apartment; 22% are from individuals who reported living in a relative’s home.

	Outcomes Received	
	Number	Percent
Your own house/apartment	4,556	47.2%
Friend’s home	809	8.4%
Relative’s home	2,101	21.8%
Supervised living	290	3.0%
Nursing facility	270	2.8%
Foster care	9	0.1%
MH treatment facility	162	1.7%
Homeless	152	1.6%
Correctional facility	66	0.7%
Other	464	4.8%
Missing	767	8.0%
TOTAL	9,646	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. Nineteen percent are from individuals who reported working full time; 11% from those who reported working part time.

	Outcomes Received	
	Number	Percent
Full time	1,844	19.1%
Part time	1,055	10.9%
Sheltered employment	28	0.3%
Unemployed	3,481	36.1%
Homemaker	435	4.5%
Student	181	1.9%
Retired	232	2.4%
Disabled	1,320	13.7%
Inmate of institution	52	0.5%
Other	185	1.9%
Missing	833	8.6%
TOTAL	9,646	100%

Adult Consumer Form B: Outcomes Status

The following graphs summarize the 9,646 Adult Consumer Form B ratings in the statewide Outcomes database with administration dates during FY03. 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.

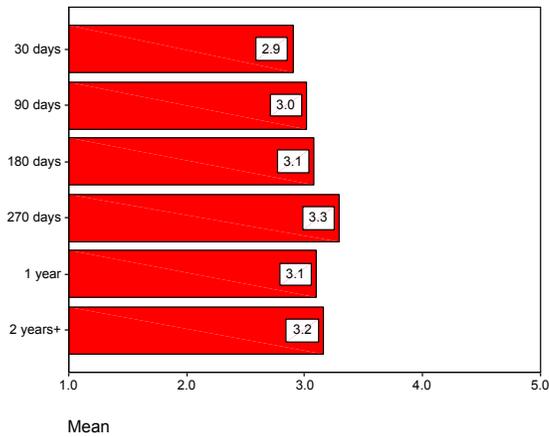
SCALES

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.

For the first four categories of ratings based on the length of time between the date of agency admission and the date of Outcomes survey administration, average Quality of Life scale scores slightly increase.

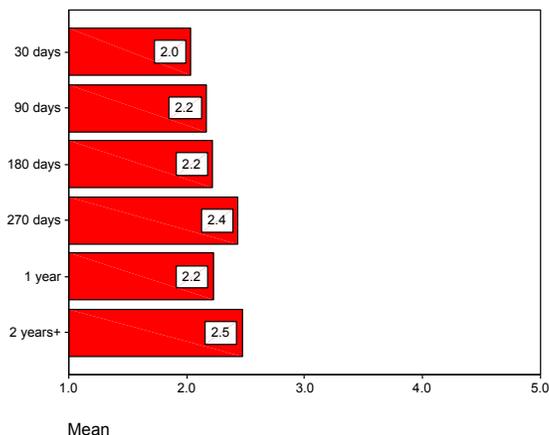


	N	Mean	SD
30 days	6,207	2.9	0.8
90 days	635	3.0	0.8
180 days	394	3.1	0.8
270 days	240	3.3	0.8
1 year	335	3.1	0.7
2 years+	505	3.2	0.8

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.

With the exception of the "1 year" category, average Financial subscale scores increase as the amount of time between the date of admission and Outcomes survey administration increases.

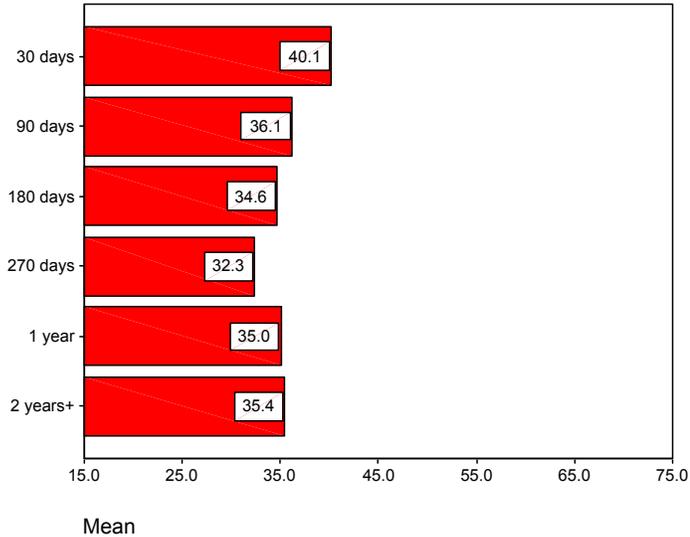


	N	Mean	SD
30 days	6,259	2.0	1.0
90 days	632	2.2	1.0
180 days	394	2.2	1.0
270 days	239	2.4	1.1
1 year	341	2.2	1.1
2 years+	513	2.5	1.1

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.

With the exception of the last two categories, "1 year" and "2 years+," average Symptom Distress scale scores decrease, indicating improvement, as the amount of time between the date of admission and Outcomes survey administration increases.



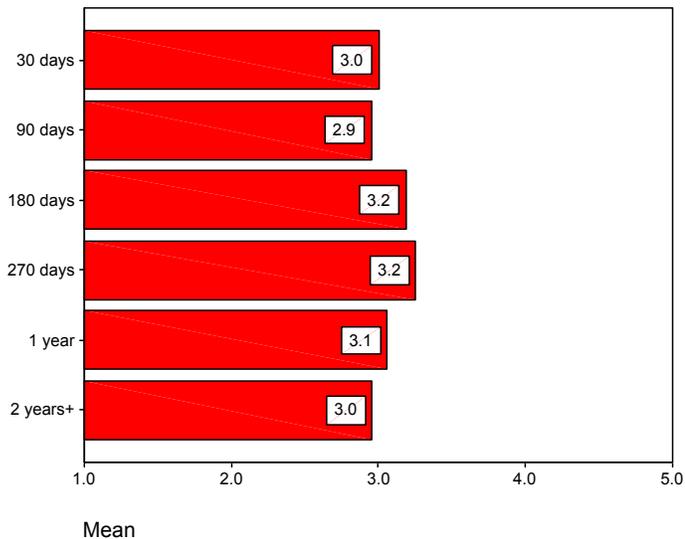
	N	Mean	SD
30 days	6,434	40.1	15.5
90 days	639	36.1	14.4
180 days	399	34.6	14.2
270 days	240	32.3	13.7
1 year	345	35.0	14.4
2 years+	512	35.4	14.8

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

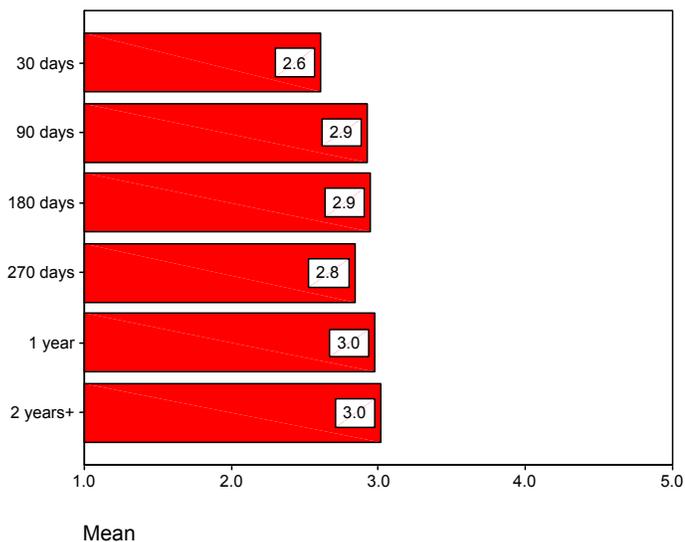
How often does your physical condition interfere with your day-to-day functioning?
1=Always; 5=Never



	N	Mean	SD
30 days	6,171	3.0	1.4
90 days	607	2.9	1.3
180 days	384	3.2	1.2
270 days	233	3.2	1.2
1 year	334	3.1	1.3
2 years+	509	3.0	1.3

Question 14

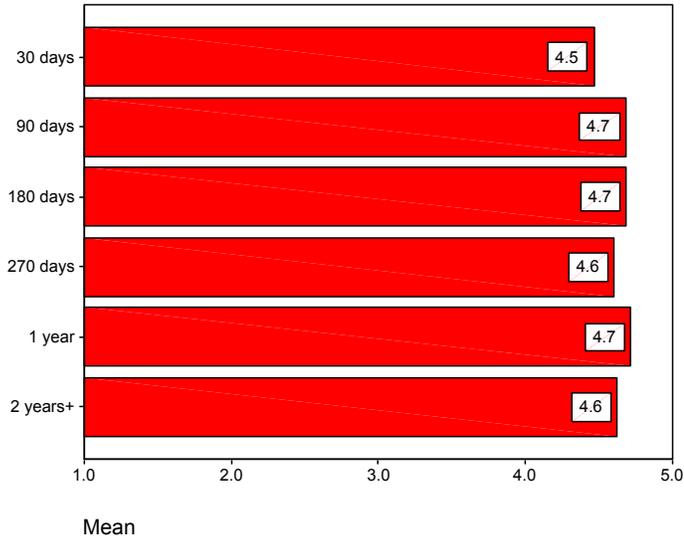
Concerns about my medications (such as side effects, dosage, type of medication) are addressed:
1=Never; 5=Always



	N	Mean	SD
30 days	4,650	2.6	1.4
90 days	525	2.9	1.4
180 days	331	2.9	1.4
270 days	192	2.8	1.4
1 year	307	3.0	1.4
2 years+	458	3.0	1.3

Question 15

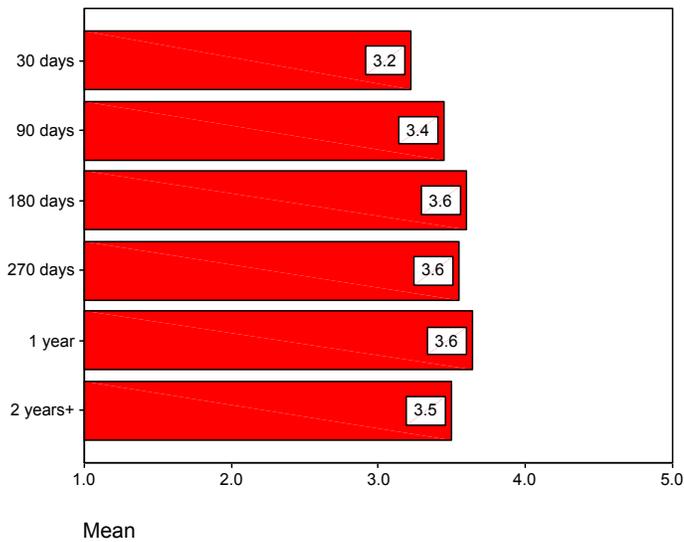
I have been treated with dignity and respect at this agency.
1=Never; 5=Always



	N	Mean	SD
30 days	4,880	4.5	1.0
90 days	625	4.7	0.7
180 days	397	4.7	0.8
270 days	236	4.6	0.8
1 year	335	4.7	0.6
2 years+	501	4.6	0.7

Question 16

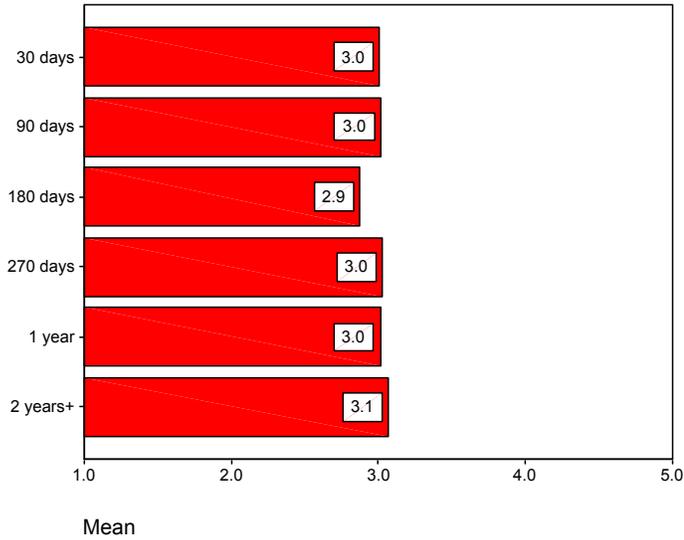
How often do you feel threatened by people's reactions to your mental health problems?
1=Always; 5=Never



	N	Mean	SD
30 days	5,858	3.2	1.4
90 days	625	3.4	1.3
180 days	393	3.6	1.3
270 days	236	3.6	1.2
1 year	342	3.6	1.3
2 years+	505	3.5	1.3

Question 32

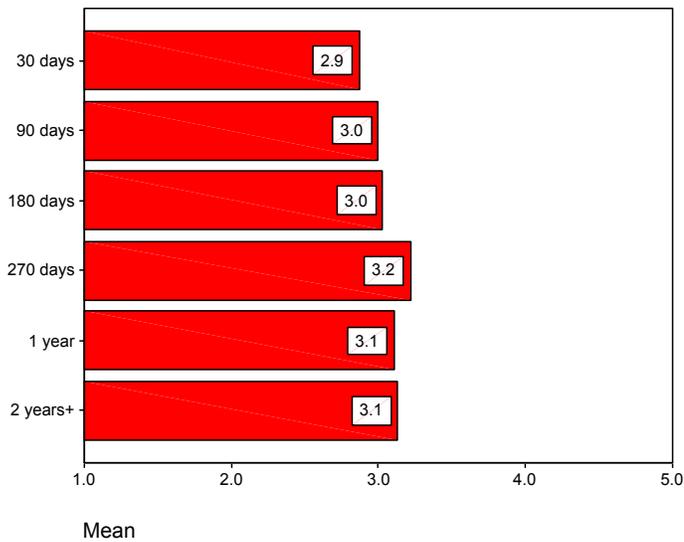
How often can you tell when mental or emotional problems are about to occur?
1=Never; 5=Always



	N	Mean	SD
30 days	6,164	3.0	1.2
90 days	625	3.0	1.1
180 days	395	2.9	1.1
270 days	239	3.0	1.1
1 year	335	3.0	1.1
2 years+	493	3.1	1.1

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	6,053	2.9	1.1
90 days	630	3.0	1.1
180 days	394	3.0	1.1
270 days	236	3.2	1.0
1 year	336	3.1	1.1
2 years+	497	3.1	1.1

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 July 7, 2003 the statewide Outcomes database contained 6,756 Youth ratings, 11,139 Parent ratings, and 9,994 Agency Worker ratings with administration dates during FY03. These data were submitted by 22 of Ohio's 50 board areas.

In the following tables, the “**Outcomes Received**” groups include the 6,756 Youth ratings, 11,139 Parent ratings, and 9,994 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 63,737 individuals who were at least five years of age and less than 18 years of age with an eligible claim submitted for FY03¹². 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 31,878 individuals.

The following tables compare the demographic characteristics of the “Outcomes Received” groups with the “Outcomes Expected” groups¹³.

Gender

Compared to the “Outcomes Expected” groups of youth, the “Outcomes Received” groups are made up of a smaller percentage of females. For Youth ratings, the “Outcomes Received” group is comprised of 4.3% fewer females than the “Outcomes Expected” group. For Parent and Agency Worker ratings, the “Outcomes Received” groups are made up of 2.9% and two percent fewer females than the “Outcomes Expected” groups, respectively.

	RATING SOURCE					
	YOUTH		PARENT		AGENCY WORKER	
	Outcomes Received (N=6,756)	Outcomes Expected (N=31,878)	Outcomes Received (N=11,139)	Outcomes Expected (N=63,737)	Outcomes Received (N=9,994)	Outcomes Expected (N=63,737)
Female	40.9%	45.2%	37.6%	40.5%	38.5%	40.5%
Male	59.1%	54.7%	62.4%	59.4%	61.5%	59.4%
Missing	0	<0.1%	<0.1%	<0.1%	<0.1%	<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 (Fifth Edition)*, p. 3-10.

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. For Youth ratings the “Outcomes Received” group is comprised of 12.9% fewer Whites/Caucasians and 12.3% more Blacks/African-Americans. Differences between the two groups are slightly smaller for Parent ratings and slightly larger for Agency Worker ratings. Across all three rating sources, differences of less than one percent exist between the two groups for the other racial categories.

	RATING SOURCE					
	YOUTH		PARENT		AGENCY WORKER	
	Outcomes Received (N=6,756)	Outcomes Expected (N=31,878)	Outcomes Received (N=11,139)	Outcomes Expected (N=63,737)	Outcomes Received (N=9,994)	Outcomes Expected (N=63,737)
White/Caucasian	56.3%	69.2%	58.6%	67.6%	53.7%	67.6%
Black/African-Am.	38.5%	26.2%	35.2%	27.0%	40.3%	27.0%
Hispanic/Latino	0.6%	0.6%	0.9%	0.7%	0.9%	0.7%
Native Am./P.I.	0.4%	0.3%	0.3%	0.3%	0.4%	0.3%
Asian	0.2%	0.2%	0.1%	0.2%	0.2%	0.2%
Multi-racial	2.0%	1.6%	2.5%	2.0%	2.8%	2.0%
Unknown/Missing	1.9%	1.9%	2.3%	2.2%	1.7%	2.2%
TOTAL	100%	100%	100%	100%	100%	100%

Age

For Youth ratings, the “Outcomes Received” group (mean=14.8) is younger than the “Outcomes Expected” group (mean=15.7). For Parent and Agency Worker ratings, the average age of both groups is approximately 12.5.

	RATING SOURCE					
	YOUTH		PARENT		AGENCY WORKER	
	Outcomes Received (N=6,756)	Outcomes Expected (N=31,878)	Outcomes Received (N=11,139)	Outcomes Expected (N=63,737)	Outcomes Received (N=9,994)	Outcomes Expected (N=63,737)
5-8	3.3%	0.6%	17.8%	19.4%	17.7%	19.4%
9-11	8.5%	1.4%	24.4%	23.1%	25.2%	23.1%
12-14	38.6%	35.9%	27.2%	25.8%	26.6%	25.8%
15+	49.5%	62.1%	29.0%	31.4%	29.4%	31.4%
Missing	<0.1%	<0.1%	1.6%	0.3%	1.2%	0.3%
TOTAL	100%	100%	100%	100%	100%	100%

Primary Diagnosis

Over three-quarters of the ratings in the “Outcomes Received” groups pertain to individuals who have primary diagnoses that are included in the following three categories: “Attention-Deficit and Disruptive Behavior Disorders,” “Adjustment Disorders,” and “Mood Disorders.” Across all three rating sources, in comparison to the “Outcomes Expected” groups, the “Outcomes Received” groups are comprised of a smaller percentage of youth with “Adjustment Disorders.” For Parent and Agency Worker ratings, the “Outcomes Received” and “Outcomes Expected” groups are made up of a similar percentage of youth with “Attention-Deficit and Disruptive Behavior Disorders” and “Mood Disorders.” For Youth ratings, the “Outcomes Received” group contains a larger percentage of youth with “Attention-Deficit and Disruptive Behavior Disorders,” and a smaller percentage of youth with “Mood Disorders.”

	RATING SOURCE					
	YOUTH		PARENT		AGENCY WORKER	
	Outcomes Received (N=6,756)	Outcomes Expected (N=31,878)	Outcomes Received (N=11,139)	Outcomes Expected (N=63,737)	Outcomes Received (N=9,994)	Outcomes Expected (N=63,737)
Attention-Deficit & Disruptive Behavior Disorders	41.6%	37.7%	44.9%	43.1%	44.3%	43.1%
A. Attention Deficit/Hyperactivity Disorder	16.3%	14.7%	22.1%	22.2%	20.5%	22.2%
B. Conduct Disorder	4.6%	4.3%	2.8%	2.7%	3.1%	2.7%
C. Oppositional Defiant Disorder	16.8%	14.7%	15.2%	13.6%	15.5%	13.6%
D. Disruptive Behavior Disorder NOS	3.9%	4.0%	4.8%	4.6%	5.2%	4.6%
Adjustment Disorders	14.0%	18.8%	18.6%	23.4%	19.5%	23.4%
Mood Disorders (includes Depr., Bipolar, Other)	21.8%	25.1%	16.3%	17.0%	15.8%	17.0%
A. Depressive Disorders	14.8%	18.3%	10.8%	11.9%	10.6%	11.9%
B. Bipolar Disorders	4.8%	4.7%	3.9%	3.5%	3.5%	3.5%
C. All Other Mood Disorders	2.2%	2.1%	1.6%	1.6%	1.7%	1.6%
Schizophrenia & Other Psychotic Disorders	1.6%	1.2%	1.2%	0.8%	1.1%	0.8%
Anxiety Disorders	6.2%	5.7%	6.6%	5.9%	6.4%	5.9%
Pervasive Developmental Disorders	0.8%	0.7%	1.1%	0.9%	1.1%	0.9%
All Other Disorders Usually First Diagnosed in Infancy, Childhood, or Adolescence	2.9%	1.6%	3.1%	2.3%	3.1%	2.3%
All Other Diagnoses	7.9%	8.1%	5.6%	5.9%	6.0%	5.9%
Missing	3.1%	1.0%	2.7%	0.7%	2.6%	0.7%
TOTAL	100%	100%	100%	100%	100%	100%

Youth: Outcomes Status

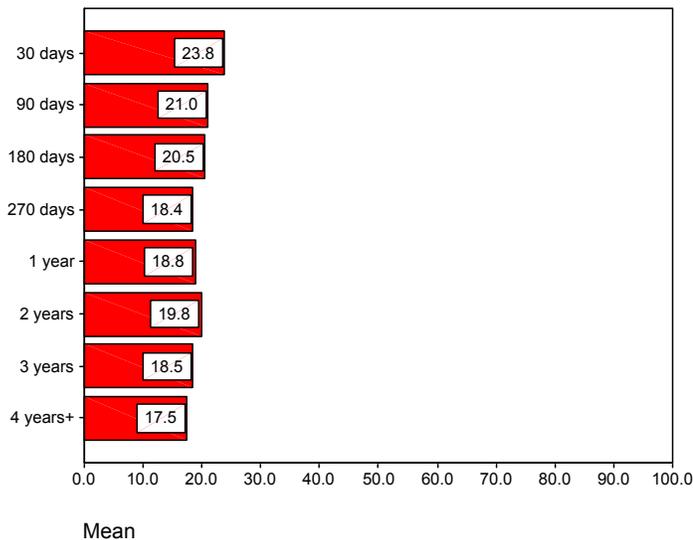
The following graphs summarize the 6,756 Youth ratings, 11,139 Parent ratings, and 9,994 Agency Worker ratings in the statewide Outcomes database with administration dates during FY03. They demonstrate the impact of time in treatment as measured by the length of time between the date of agency admission 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

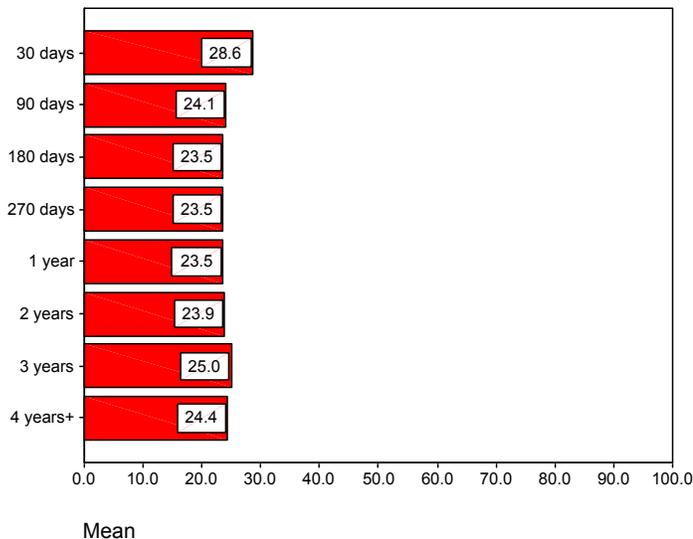
For the first four categories of ratings based on the length of time between the date of agency admission and the date of Outcomes survey administration, average Youth Problem Severity scale scores slightly improve.



	N	Mean	SD
30 days	2,649	23.8	15.9
90 days	449	21.0	15.3
180 days	510	20.5	14.7
270 days	230	18.4	14.2
1 year	528	18.8	13.9
2 years	385	19.8	14.7
3 years	230	18.5	13.5
4 years+	431	17.5	13.5

Parent Rating

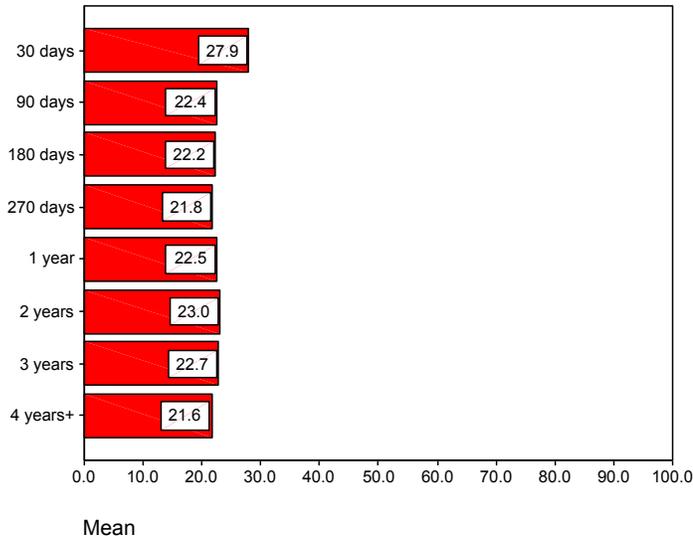
On average, Parent Problem Severity ratings decrease, indicating improvement, for the first three categories of ratings.



	N	Mean	SD
30 days	5,045	28.6	16.3
90 days	891	24.1	16.6
180 days	895	23.5	15.1
270 days	423	23.5	15.4
1 year	917	23.5	15.2
2 years	549	23.9	15.1
3 years	332	25.0	15.9
4 years+	494	24.4	14.5

Agency Worker Rating

On average, Agency Worker Problem Severity ratings decrease, indicating improvement, for the first four categories of ratings. The largest difference in the average scores is between the “30 days” and “90 days” categories.



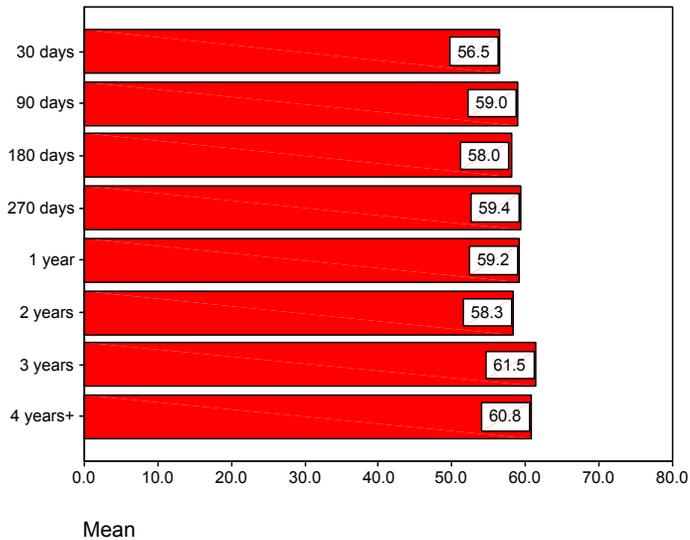
	N	Mean	SD
30 days	4,247	27.9	14.4
90 days	1,104	22.4	14.2
180 days	1,091	22.2	12.9
270 days	538	21.8	13.2
1 year	1,084	22.5	13.4
2 years	601	23.0	13.6
3 years	352	22.7	13.0
4 years+	478	21.6	14.6

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

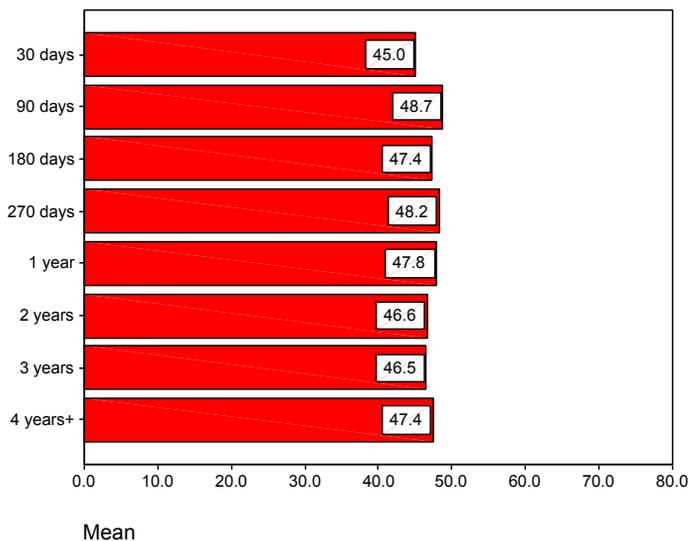
For the first two categories of ratings based on the length of time between the date of agency admission and the date of Outcomes survey administration, average Youth Functioning scale scores slightly increase.



	N	Mean	SD
30 days	2,572	56.5	13.4
90 days	443	59.0	12.7
180 days	501	58.0	12.7
270 days	226	59.4	12.9
1 year	514	59.2	12.8
2 years	375	58.3	13.5
3 years	226	61.5	12.3
4 years+	422	60.8	12.4

Parent Rating

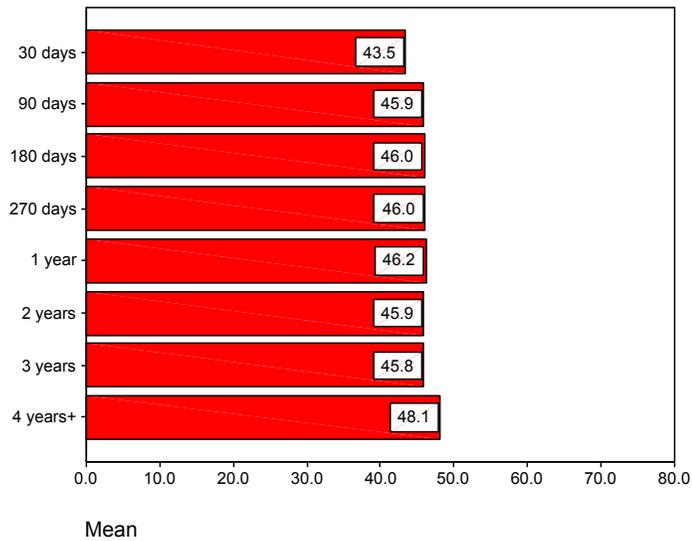
On average, Parent ratings of Functioning slightly increase for the first two categories of ratings.



	N	Mean	SD
30 days	4,827	45.0	15.1
90 days	873	48.7	14.8
180 days	875	47.4	14.7
270 days	410	48.2	15.1
1 year	899	47.8	14.8
2 years	538	46.6	14.8
3 years	327	46.5	15.1
4 years+	477	47.4	14.5

Agency Worker Rating

Agency Worker ratings of Functioning slightly increase, on average, for the first two categories of ratings.



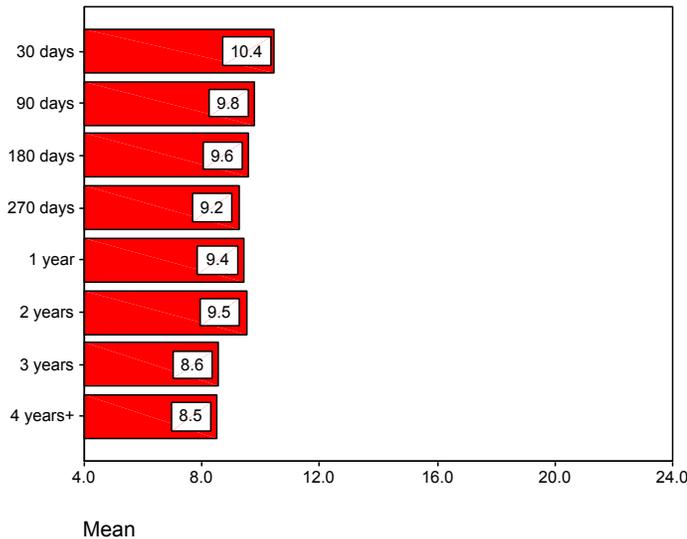
	N	Mean	SD
30 days	4,159	43.5	13.0
90 days	1,081	45.9	13.2
180 days	1,057	46.0	12.6
270 days	522	46.0	13.4
1 year	1,018	46.2	12.9
2 years	553	45.9	13.4
3 years	320	45.8	13.3
4 years+	409	48.1	13.3

HOPEFULNESS (rated only 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

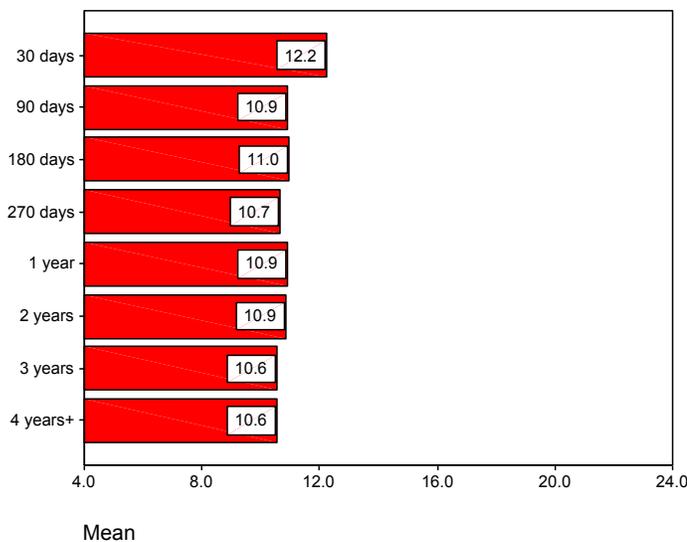
For the first four categories of ratings based on the length of time between the date of agency admission and the date of Outcomes survey administration, average Youth Hopefulness scale scores slightly improve.



	N	Mean	SD
30 days	2,433	10.4	4.2
90 days	429	9.8	4.1
180 days	482	9.6	4.0
270 days	221	9.2	3.8
1 year	499	9.4	3.9
2 years	363	9.5	4.5
3 years	220	8.6	3.8
4 years+	406	8.5	3.7

Parent Rating

On average, Parent Hopefulness scale scores slightly decrease, indicating improvement, for the first two categories of ratings.



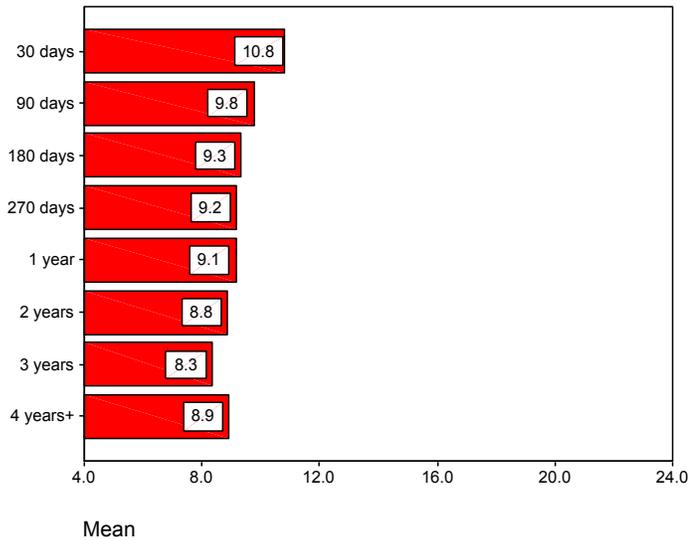
	N	Mean	SD
30 days	4,830	12.2	4.5
90 days	866	10.9	4.3
180 days	863	11.0	4.0
270 days	409	10.7	4.2
1 year	885	10.9	4.3
2 years	532	10.9	4.2
3 years	324	10.6	4.1
4 years+	465	10.6	3.9

SATISFACTION (rated only 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

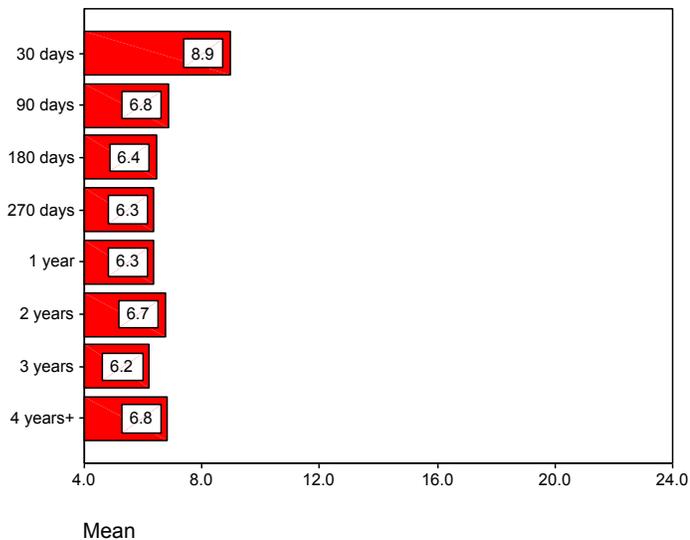
With the exception of the last category, “4 years+,” average Youth Satisfaction scale scores decrease, indicating improvement, as the amount of time between the date of admission and administration increases.



	N	Mean	SD
30 days	1,645	10.8	5.0
90 days	405	9.8	5.0
180 days	460	9.3	4.8
270 days	215	9.2	4.8
1 year	481	9.1	4.6
2 years	352	8.8	4.9
3 years	208	8.3	4.4
4 years+	393	8.9	4.8

Parent Rating

On average, Parent Satisfaction scale scores decrease, indicating improvement, for the first four categories of ratings. The largest difference in the average scores is between the “30 days” and “90 days” categories.



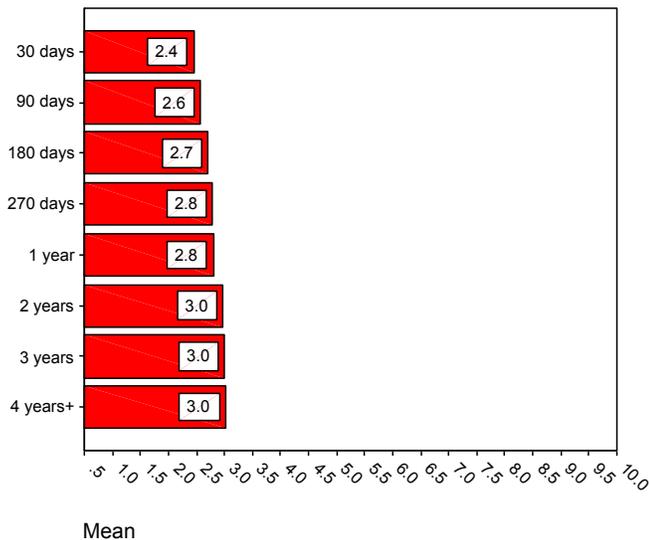
	N	Mean	SD
30 days	2,775	8.9	4.8
90 days	722	6.8	3.8
180 days	827	6.4	3.4
270 days	390	6.3	3.3
1 year	856	6.3	3.0
2 years	525	6.7	3.9
3 years	318	6.2	2.9
4 years+	456	6.8	3.7

RESTRICTIVENESS OF LIVING ENVIRONMENTS (rated only 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 administration increases.



	N	Mean	SD
30 days	4,113	2.4	1.0
90 days	1,080	2.6	1.1
180 days	1,059	2.7	1.2
270 days	522	2.8	1.4
1 year	1,003	2.8	1.3
2 years	558	3.0	1.5
3 years	318	3.0	1.4
4 years+	399	3.0	1.3