



Ohio Mental Health Consumer Outcomes System Report 4: Youth and Parent Hopefulness and Satisfaction

The purpose of this report is to provide a closer look at Hopefulness and Satisfaction, as rated by both youth consumers and their parents on the Ohio Scales in the Ohio Mental Health Consumer Outcomes System. As with previous statewide Outcomes System Reports¹, this report is intended to provide constituents in the mental health system with statewide aggregated data that they can use to compare an individual score or average agency or board area scores.

As of August 9, 2004 the statewide Outcomes database contained 53,352 Youth ratings from 31,102 individuals, and 84,317 Parent ratings for 47,542 individuals with Outcomes administration dates between Jan 1, 2001 and July 31, 2004. These data were submitted by 36 of Ohio's 50 board areas, and represent 32% of the child/adolescent consumers served in the Ohio mental health system. Therefore, the data should be used with caution.

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 hopefulness/optimism; parents rate the degree to which they are hopeful about their ability to parent and optimistic about the future. The scale ranges from 4 to 24, with lower scores indicating higher hopefulness. 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 and with the level of inclusion in treatment planning. The scale ranges from 4 to 24, with lower scores indicating higher satisfaction².

Summary

- Generally, ratings from both youth and parents show positive improvement in better hopefulness/optimism and higher satisfaction with services as the time period between admission to the agency and administration of the Outcomes survey increases. Most significant improvements occur between the "30 days" and the "90 days" categories from all assessments.
- Compared with parents, youth generally show a higher level of hopefulness but less satisfaction with services.
- From the Youth ratings, male consumers tend to be more optimistic than their female counterparts but no such difference is found from ratings by parents.
- Black/African American and Asian consumers, both youth and their parents, seem to be more hopeful and satisfied with their services.
- Among various diagnostic groupings, youth with Pervasive Developmental Disorders, ADHD & Disruptive Behavior Disorders or Other Disorders Diagnosed in Infancy, Childhood, or Adolescence are more hopeful. Parents of child/adolescent consumers with Adjustment Disorders show the highest hopefulness. Parents of child/adolescent consumers with Pervasive Developmental Disorders or Schizophrenia & Other Psychotic Disorders show higher satisfaction with services, while youth with Anxiety Disorders or Schizophrenia & Other Psychotic Disorders are more satisfied.
- There are divergent views between consumers in different diagnostic groupings and their parents concerning Hopefulness and Satisfaction, but for some diagnostic groupings, a greater level of divergence exists. Youth with ADHD & Disruptive Behavior Disorders are substantially more hopeful than their parents. A large divergence in Satisfaction also exists between Parent and Youth ratings from the Pervasive Developmental Disorder group.
- Hopefulness and Satisfaction are correlated with Functioning level and Problem Severity. The higher the Hopefulness (lower Hopefulness score), the better the Functioning and lower the Problem Severity scores. A similar but not as strong pattern also occurs with Satisfaction scores.

¹ The Initial Ohio Mental Health Consumer Outcomes Report, the Ohio Mental Health Consumer Outcomes System Report 2: Adult Symptom Distress and the Ohio Mental Health Consumer Outcomes System Report 3 are available via the Ohio Mental Health Outcomes Initiative Web site: <http://www.mh.state.oh.us/initiatives/outcomes/duse.html>.

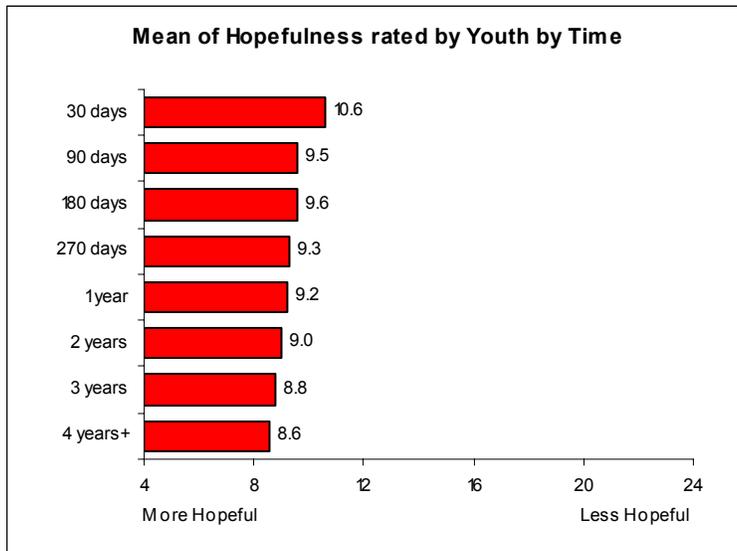
² Detail information about the two scales can be found at Ohio Mental Health Outcomes Initiative Web Site: <http://www.mh.state.oh.us/initiatives/outcomes/inst.html>

Hopefulness and Satisfaction over Time

The following graphs summarize the 53,352 Youth ratings and 84,317 Parent ratings in the statewide Outcomes database with administration dates between Jan 1, 2001 and July 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.

Youth Rating - Hopefulness

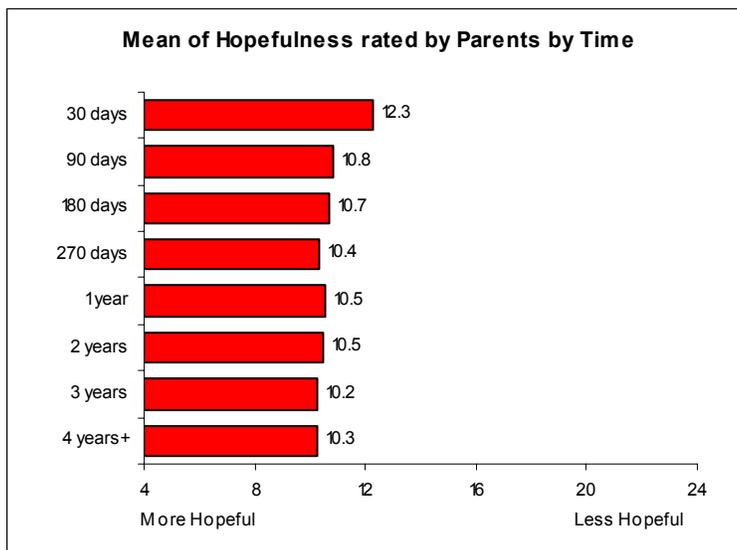
The Hopefulness scale ranges from 4 to 24, with lower scores indicating higher hopefulness/optimism. Average Youth Hopefulness scale scores improve steadily over time, with the most significant improvement between the "30 days" and "90 days" categories.



	N	Mean	SD
30 days	19485	10.6	4.2
90 days	3572	9.5	4.0
180 days	3822	9.6	4.0
270 days	1972	9.3	3.9
1 year	3602	9.2	4.0
2 years	2570	9.0	4.0
3 years	1403	8.8	3.9
4 years+	2281	8.6	3.8

Parent Rating - Hopefulness

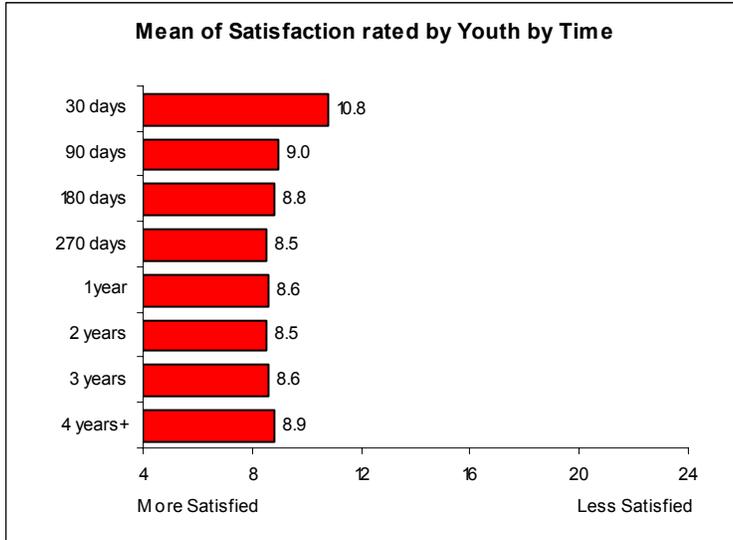
Parent Hopefulness scale scores also improve over time. Generally, parents are less optimistic than the ratings on Hopefulness from the youth themselves. This pattern remains even after selecting only a comparable group of youth age 12-18 from the parents' data.



	N	Mean	SD
30 days	37375	12.3	4.4
90 days	6513	10.8	4.2
180 days	6826	10.7	4.2
270 days	3634	10.4	4.1
1 year	6533	10.5	4.1
2 years	4527	10.5	4.1
3 years	2266	10.2	4.1
4 years+	3017	10.3	4.1

Youth Rating - Satisfaction

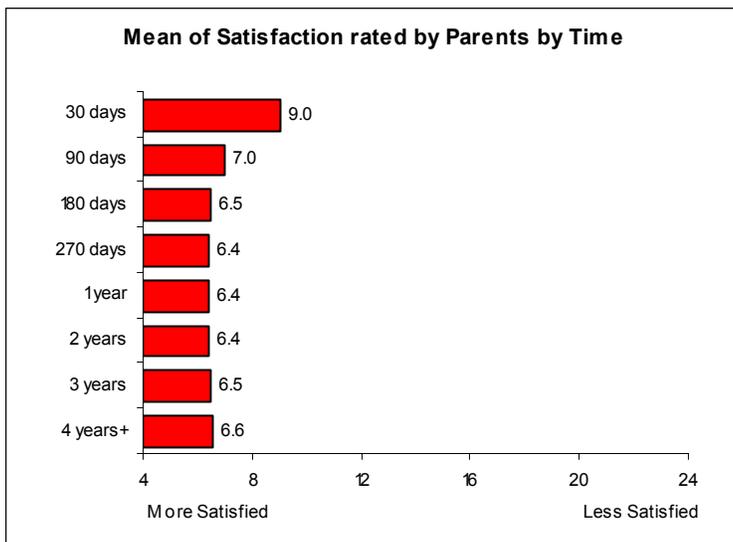
The Satisfaction scale ranges from 4 to 24, with lower scores indicating higher levels of satisfaction. For the ratings by the youth, their satisfaction improves as the amount of time between the date of admission and administration increases up to the "270 days" category, with the most significant improvement between the "30 days" and "90 days" categories. However, the satisfaction level becomes steady and even slightly decreases for those who stay longer in the system.



	N	Mean	SD
30 days	12192	10.8	5.0
90 days	3245	9.0	4.8
180 days	3660	8.8	4.7
270 days	1884	8.5	4.6
1 year	3456	8.6	4.5
2 years	2498	8.5	4.5
3 years	1345	8.6	4.6
4 years+	2191	8.9	4.7

Parent Rating - Satisfaction

The Parent Satisfaction scale shows a similar pattern as the Youth ratings. On average, Parent Satisfaction scale scores decrease at the beginning, indicating improvement. Then the average satisfaction becomes steady and even slightly decreases as the time between admission and the administration of the Outcomes survey gets longer.



	N	Mean	SD
30 days	20213	9.0	4.9
90 days	5689	7.0	3.8
180 days	6579	6.5	3.4
270 days	3488	6.4	3.3
1 year	6309	6.4	3.3
2 years	4422	6.4	3.4
3 years	2222	6.5	3.3
4 years+	2936	6.6	3.5

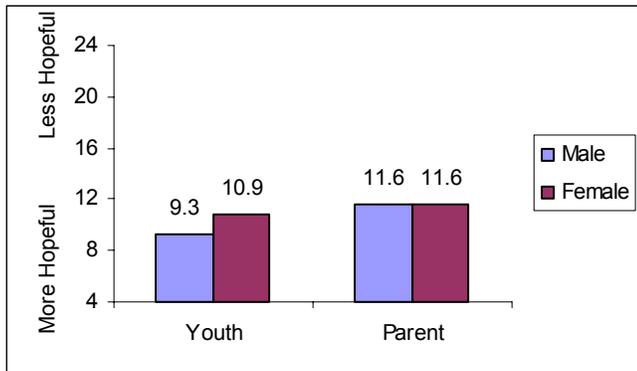
In Relation to Demographics

The following tables display the most recent rating of Hopefulness and Satisfaction scores of youth and parents in the statewide database for various demographic groups.

GENDER

Hopefulness by Gender

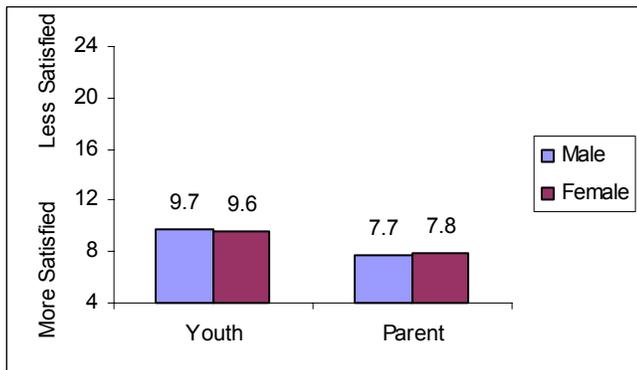
On average, females report being significantly less optimistic than males in the Youth ratings ($t(22655)=29.84, p<.001$). However, there is no such difference in the Parents' data ($t(43390)=-1.59, p=n.s.$).



		Male	Female
Youth Ratings	# of Ratings	13,482	11,157
	Mean	9.31	10.88
	SD	3.9	4.3
Parent Ratings	# of Ratings	25,766	17,626
	Mean	11.63	11.56
	SD	4.4	4.4

Satisfaction by Gender

No significant differences are found in the Satisfaction scores between males and females as reported by both youth ($t(18884)=-1.42, p=n.s.$) and parents ($t(24430)=-1.90, p=n.s.$). However, Parent ratings showed a consistently higher level of satisfaction than did Youth ratings.

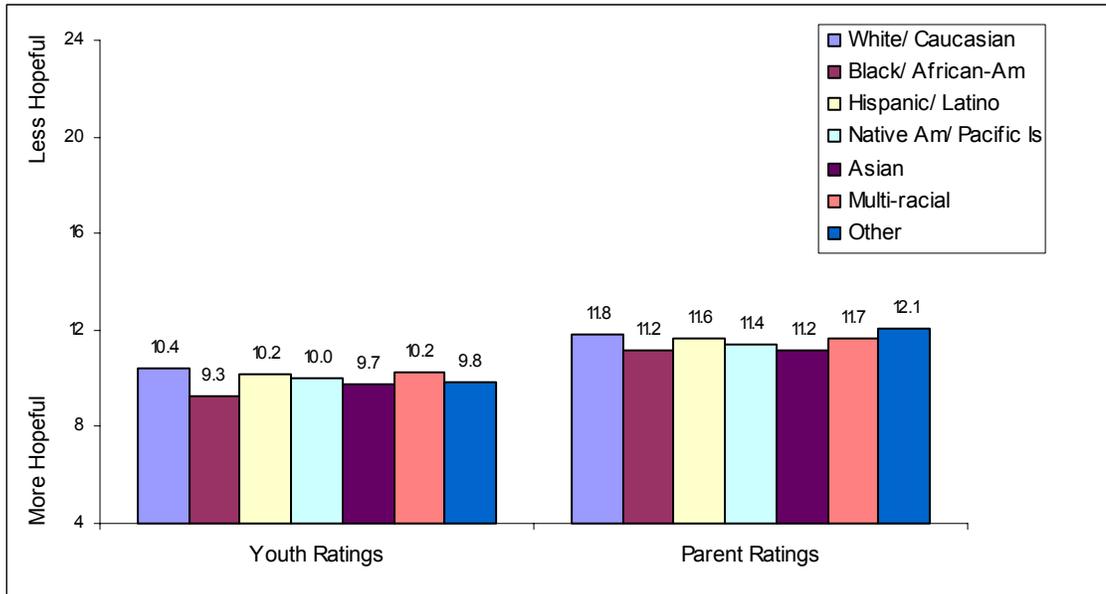


		Male	Female
Youth Ratings	# of Ratings	10,615	8,271
	Mean	9.69	9.58
	SD	5.0	5.0
Parent Ratings	# of Ratings	18,200	11,657
	Mean	7.72	7.82
	SD	4.4	4.5

RACE

Hopefulness by Race

From the Youth ratings, Black/African American youth seem to be the most optimistic among the racial groupings, followed by Asian youth³, while White/Caucasians youth report the least hopefulness. A similar pattern is found in Parent ratings. A marked contrast can be seen between the two sets of ratings, with youth of all races rating themselves as more hopeful than parents of any racial group. Black/African American and Asian parents are more optimistic while White/Caucasians and the Other Races category indicate the least optimism.



		White/ Caucasian	Black/ African-Am	Hispanic/ Latino	Native Am/ Pacific Is	Asian	Multi-racial	Other
Youth Ratings †	# of Ratings	15,283	7,570	381	96	42	720	291
	Mean	10.39	9.27	10.20	9.98	9.74	10.22	9.81
	SD	4.2	4.0	4.2	4.0	3.7	4.2	4.1
Parent Ratings ‡	# of Ratings	26,564	13,416	742	111	64	1,399	630
	Mean	11.80	11.17	11.63	11.39	11.20	11.66	12.06
	SD	4.4	4.4	4.4	4.2	4.2	4.4	4.4

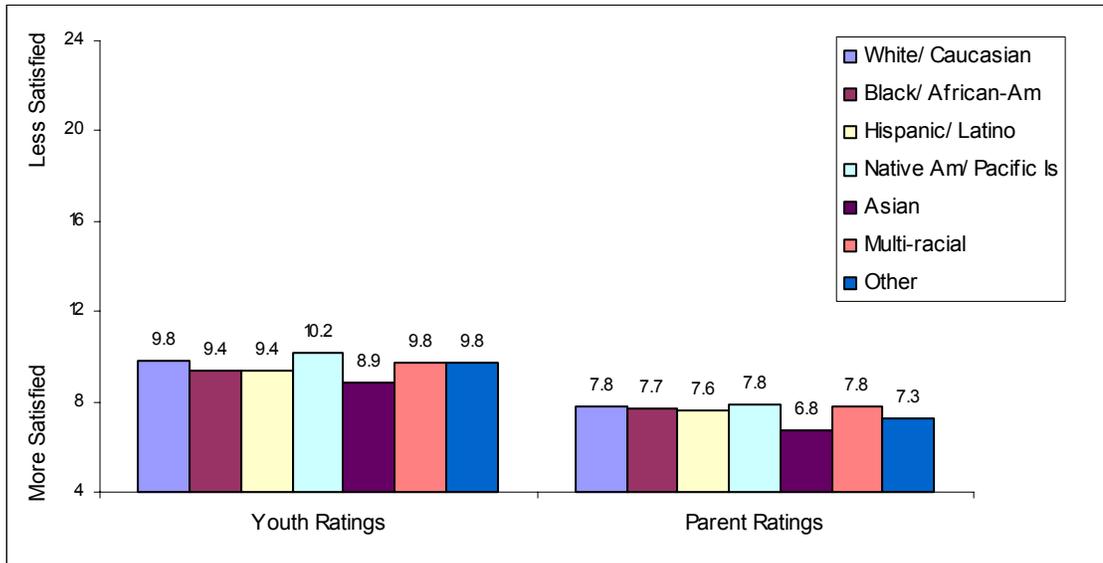
† ANOVA results of Youth Ratings by Race $F(6, 24376) = 62.96, p < .001$.

‡ ANOVA results of Parent Ratings by Race $F(6, 42919) = 32.38, p < .001$.

³ Readers should be cautious about interpretation of the result here as there is only a very small percentage of Asian in this sample.

Satisfaction by Race

From the Youth ratings, Asian youth⁴ appear to be most satisfied with services and involvement in treatment planning, followed by Black/African American youth and Hispanic/Latino youth. For the Parent ratings, Asian parents also seem to be most satisfied, followed by Hispanic/Latino and Black/African American parents. Native American/Pacific Islanders rated themselves the least satisfied group among all races from both youth and parent perspectives. A contrast can be seen between the two sets of ratings, in that all racial groups of parents rate themselves as more satisfied than youth in any racial group.



		White/ Caucasian	Black/ African-Am	Hispanic/ Latino	Native Am/ Pacific Is	Asian	Multi-racial	Other
Youth Ratings †	# of Ratings	11,425	6,119	303	68	34	540	224
	Mean	9.78	9.38	9.40	10.15	8.85	9.77	9.77
	SD	5.0	4.9	4.8	4.3	5.1	5.0	4.8
Parent Ratings ‡	# of Ratings	17,395	10,227	553	70	44	905	392
	Mean	7.82	7.68	7.57	7.84	6.75	7.76	7.28
	SD	4.5	4.3	3.9	4.0	3.6	4.6	4.0

† ANOVA results of Youth Ratings by Race $F(6, 18706) = 4.89, p < .001$.

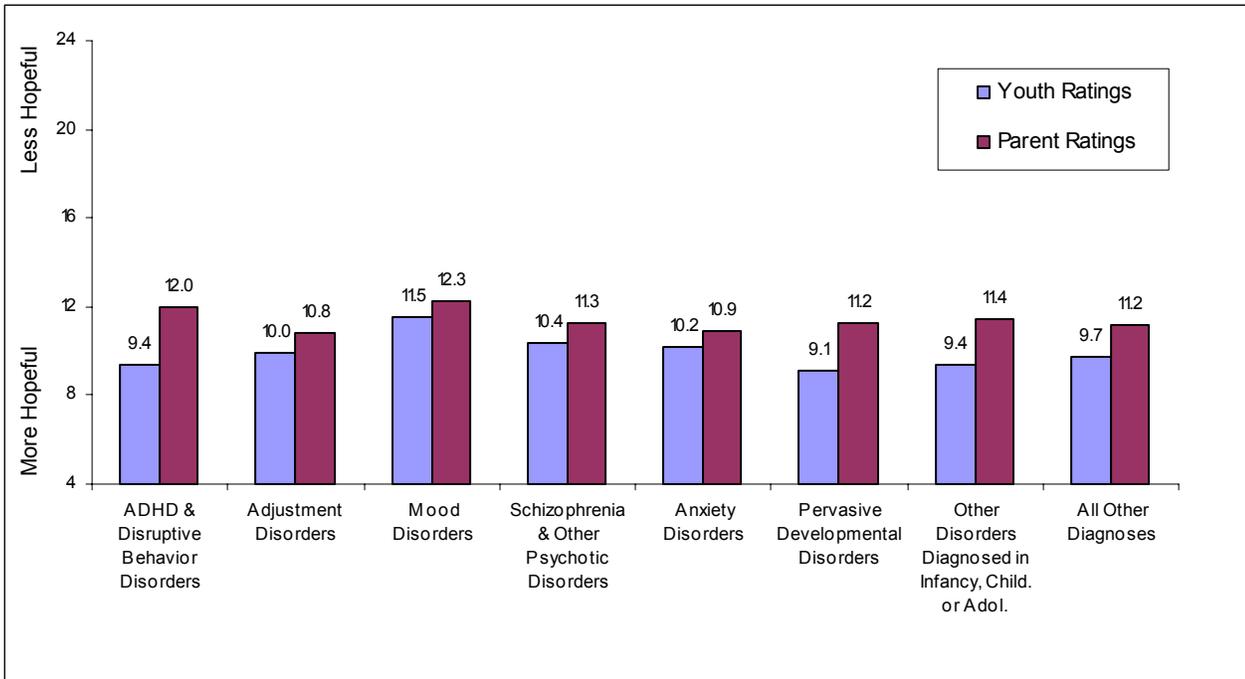
‡ ANOVA results of Parent Ratings by Race $F(6, 29579) = 2.39, p < .05$.

⁴ Readers should be cautious about interpretation of the result here as there is only a very small percentage of Asian in this sample.

PRIMARY DIAGNOSIS

Hopefulness by Primary Diagnosis

For youth consumers with Mood Disorders, both youth and parents rate themselves as having the least hopefulness. Youth with Pervasive Disorders and ADHD & Disruptive Behavior Disorders are the most optimistic in their Hopefulness score. Parents of child/adolescent consumers with Adjustment Disorders show the best average score in Hopefulness. There are divergent views between the youth and parents concerning Hopefulness in general, but this is most striking for the ADHD & Disruptive Behavior Disorders diagnostic grouping, with youth having substantially more hopefulness than parents. There is also a higher than average divergence between Parent and Youth ratings for the Pervasive Developmental Disorders and the Other Disorders Diagnosed in Infancy, Childhood or Adolescence diagnostic groupings.



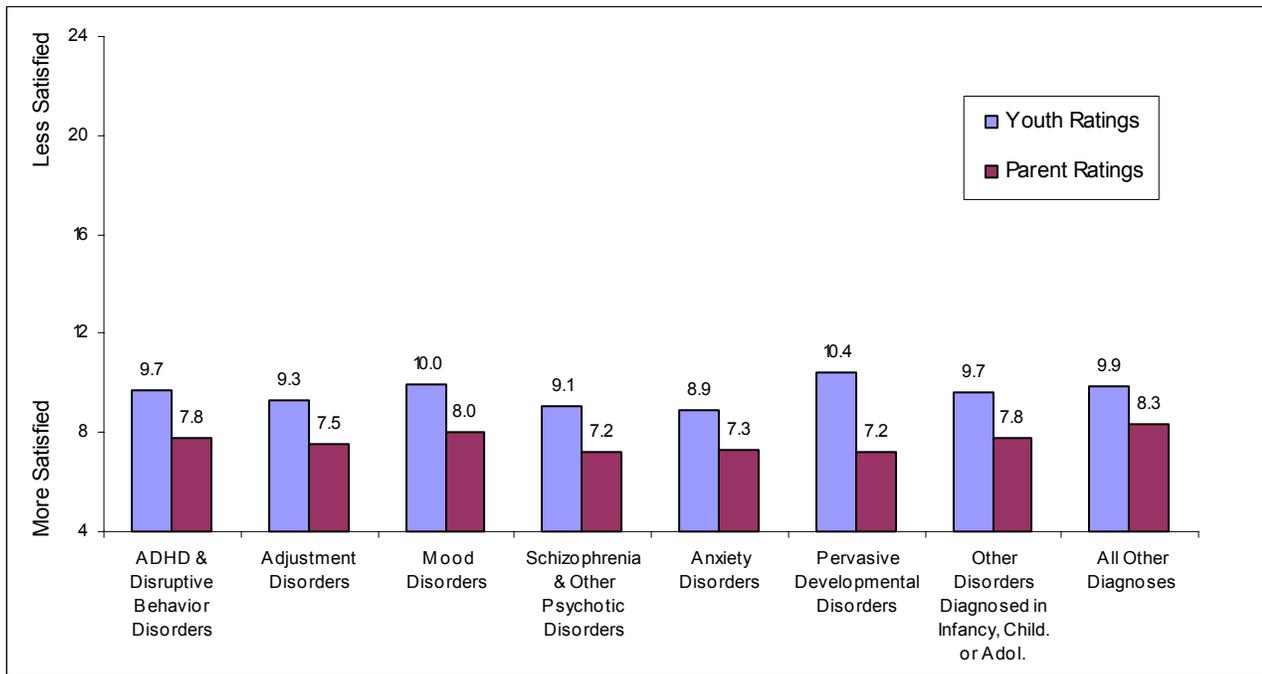
		ADHD & Disruptive Behavior Disorders	Adjustment Disorders	Mood Disorders	Schizophrenia & Other Psychotic Disorders	Anxiety Disorders	Pervasive Developmental Disorders	Other Disorders Diagnosed in Infancy, Child. or Adol.	All Other Diagnoses
Youth Ratings [†]	# of Ratings	10,032	5,218	5,193	261	1,635	124	746	1,053
	Mean	9.36	9.96	11.50	10.39	10.21	9.10	9.40	9.74
	SD	3.9	4.0	4.5	4.4	4.3	4.1	3.8	3.9
Parent Ratings [‡]	# of Ratings	19,217	10,665	6,872	268	2,460	339	1,210	1,584
	Mean	11.98	10.82	12.25	11.27	10.93	11.22	11.44	11.16
	SD	4.5	4.1	4.5	4.2	4.2	3.9	4.5	4.6

[†] ANOVA results of Youth Ratings by Primary Diagnosis $F(7, 24254)= 140.78, p<.001$.

[‡] ANOVA results of Parent Ratings by Primary Diagnosis $F(7, 42607)=102.34, p<.001$.

Satisfaction by Primary Diagnosis

Youth consumers with Anxiety Disorders and Schizophrenia & Other Psychotic Disorders rate themselves as the most satisfied with services and their involvement in treatment planning, while youth with Pervasive Developmental Disorders rate themselves as the least satisfied. In the Parent data, parents of child/adolescent consumers with Schizophrenia & Other Psychotic Disorders, Pervasive Developmental Disorders and Anxiety Disorders are most satisfied and parents of child/adolescent consumers with Other Diagnoses are least satisfied. Parents rate themselves as more satisfied in every category, but the largest divergence between parent and youth ratings is in the Pervasive Developmental Disorders category.



		ADHD & Disruptive Behavior Disorders	Adjustment Disorders	Mood Disorders	Schizophrenia & Other Psychotic Disorders	Anxiety Disorders	Pervasive Developmental Disorders	Other Disorders Diagnosed in Infancy, Child, or Adol.	All Other Diagnoses
Youth Ratings [†]	# of Ratings	7,975	3,568	4,056	245	1,361	119	669	695
	Mean	9.71	9.32	9.98	9.07	8.92	10.39	9.66	9.85
	SD	5.0	4.9	5.1	4.5	4.7	5.2	4.8	4.9
Parent Ratings [‡]	# of Ratings	13,952	6,283	5,114	248	1,834	297	864	966
	Mean	7.81	7.50	8.00	7.21	7.30	7.23	7.78	8.30
	SD	4.4	4.3	4.5	4.0	4.1	4.0	4.6	4.9

[†] ANOVA results of Youth Ratings by Primary Diagnosis $F(7, 18680) = 10.238, p < .001$.

[‡] ANOVA results of Parent Ratings by Primary Diagnosis $F(7, 29550) = 11.629, p < .001$.

Correlates of Hopefulness, Satisfaction, Functioning and Problem Severity

Hopefulness

Relationships among Hopefulness, Functioning, Problem Severity and Satisfaction were examined. For both Parent ratings and Youth ratings, higher Hopefulness (lower Hopefulness score indicates higher hopefulness) is associated with:

- higher Functioning score⁵;
- lower Problem Severity score⁶; and
- higher Satisfaction (lower Satisfaction score)⁷.

Satisfaction

Relationships among Satisfaction, Functioning and Problem Severity were also examined. Higher Satisfaction (lower Satisfaction score indicates higher satisfaction) is associated with:

- higher Functioning score⁸; and
- lower Problem Severity score⁹.

The correlations between Hopefulness and Satisfaction and other scales on the Ohio Scales instruments are in the expected direction, however some of them are much stronger than others. Relationships for both Youth and Parent ratings between Hopefulness and Functioning and Problem Severity are substantially higher than relationships between Satisfaction and the other ratings.

⁵ Parent ratings 1st Assessment: $r=-.62$; Youth ratings 1st Assessment: $r=-.55$.

⁶ Parent ratings 1st Assessment: $r=.57$; Youth ratings 1st Assessment: $r=.53$.

⁷ Parent ratings 1st Assessment: $r=.32$; Youth ratings 1st Assessment: $r=.36$.

⁸ Parent ratings 1st Assessment: $r=-.24$; Youth ratings 1st Assessment: $r=-.28$.

⁹ Parent ratings 1st Assessment: $r=.19$; Youth ratings 1st Assessment: $r=.23$.