

# The Ohio Consumer Outcomes Recovery Initiative:

---

## The Relationship Between Empowerment and Symptom Distress

*IAPSRS Conference  
May 7, 2003*

**Dr. Erik Stewart  
Renee Kopache**

Cincinnati, Ohio



# Workshop Agenda

---

- ↪ **Overview of Ohio Consumer Outcomes**
- ↪ **Hamilton County Implementation**
- ↪ **Preliminary Data/Findings**
- ↪ **Current/Future Activities**

# History/Purpose of Outcomes

---

- ↪ **Ohio Mental Health Outcomes Task Force (OTF) – 1996**
- ↪ **Vital Signs (1998)**
- ↪ **Outcomes Implementation Pilot Coordinating Group**
  - ◆ **Final recommendations were made in 1999.**



# Outcomes Task Force (OTF)

---

## ↳ Origin

- ◆ Convened in September 1996 by Michael F. Hogan, Ph.D., Director of ODMH

## ↳ Charge

- ◆ Develop a statewide approach to measuring consumer outcomes in Ohio's publicly-supported mental health system



# Outcomes Task Force (OTF)

---

## ↳ Membership

- ◆ A culturally diverse group of 42 consumers, families, providers, boards, researchers and evaluators and ODMH and ODADAS staff

## ↳ Tenure

- ◆ Met two days per month for 16 months

# OTF Values

---

- ↪ Recovery philosophy drives service provision
- ↪ Providers and consumers share responsibility for environment of hope and for service planning
- ↪ Services driven by consumer-identified needs and preferences

# OTF Values

---

- ↪ Accurate information needed for continuous improvement of outcomes and for accountability
- ↪ Methodologically sound and cost effective outcomes measurement
- ↪ Balance between improved information and reasonable implementation

# OTF Definition & Purpose

---

↪ **The OTF defines consumer outcomes as...**

*“indicators of health or well-being for an individual or family, as measured by statements or characteristics of the consumer/family, not the service system.”*

↪ **Three Main Purposes:**

- ◆ **To manage consumer care/facilitate recovery**
- ◆ **To improve the service delivery system**
- ◆ **To account for public resources**





# Outcomes Domains

---

## ↳ Clinical Status

- ◆ looks at symptoms that a person may experience from their illness and how much they interfere with their daily living.

## ↳ Quality of Life

- ◆ examines how “good” a person’s life is, and if their needs are being met. Also examines how much control a person has over the events in their life (empowerment).

# Domains

---

## ↪ Functional Status

- ◆ This domain identifies how well a person is doing in the community including areas such as work, school and social relationships.

## ↪ Safety & Health

- ◆ Addresses how a person is doing physically and the amount of freedom they have from psychological harm from self and others.

# Instrument Review Criteria

---

↪ The OTF used to following criteria to screen and select instruments:

- ◆ **Direct and Indirect Cost**
- ◆ **Consistency with Principles of Consumer Recovery**
- ◆ **Cultural Sensitivity**
- ◆ **Consistency with OTF Outcomes**
- ◆ **Consistency with Principles of CASSP**  
*(Child and Adolescent Service System Program: NIMH)*
- ◆ **Psychometric Properties**



# Implementation Pilot Coordinating Group

---

(OIPCG)

## ↳ Membership

- ◆ Collaboration of 40 individuals representing consumers, families, providers, local community mental health/addiction boards, ODMH, others

## ↳ Tenure

- ◆ Met 15 months in both plenary sessions and workgroups



# Survey Administration

---

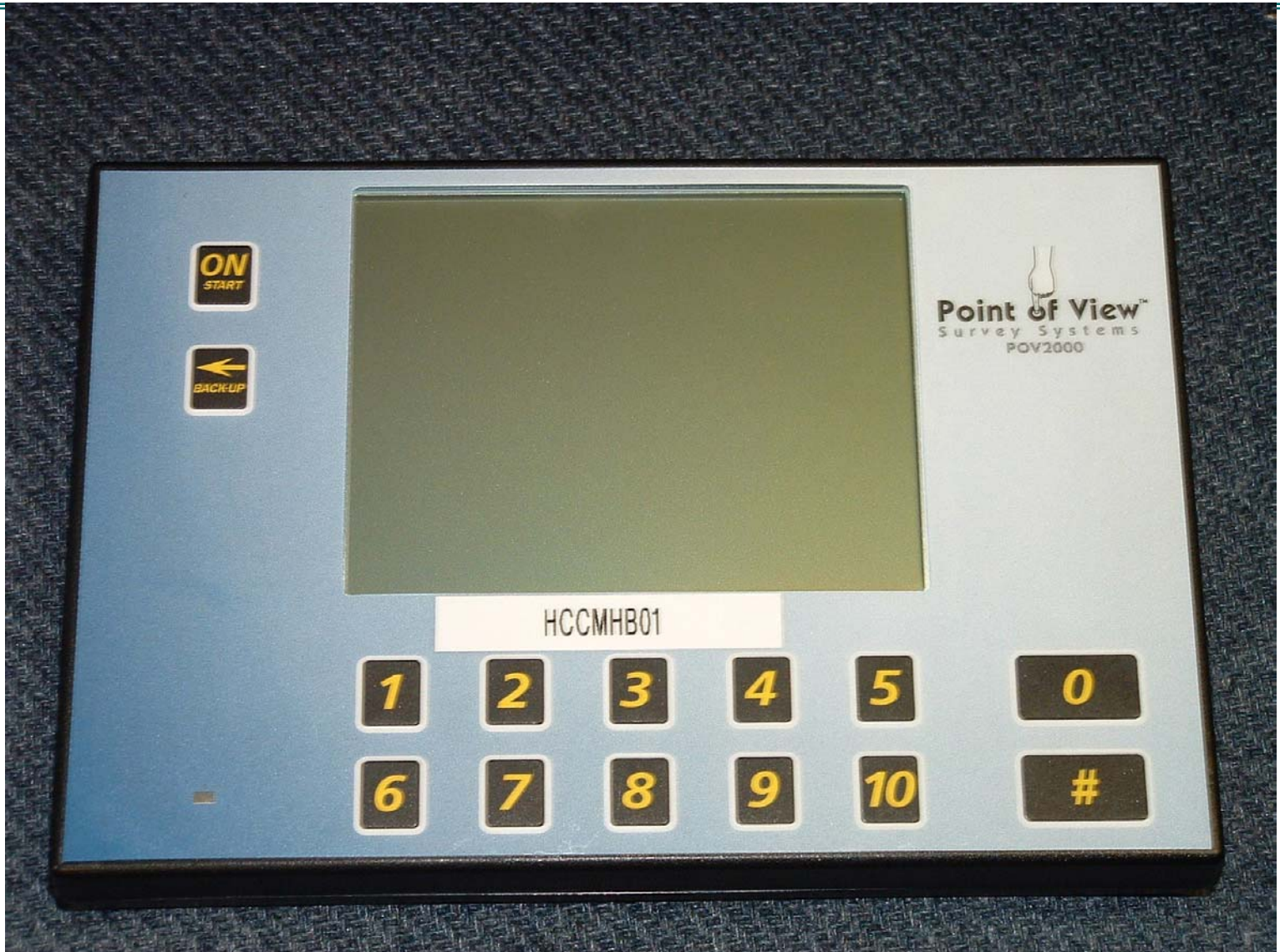
↪ **Point of View Box**

↪ **Telesage**

↪ **Paper and Pencil**

↪ **ODMH Template (Access Database)**

# Point of View Box



# Outcomes: Instruments

---

## ↪ Adult Consumer Form A

- ◆ This form is used by consumers with a severe mental illness. (case management)
- ◆ The survey consists of four parts: Quality of Life, Safety and Health, Symptom Distress and Empowerment.



# Instruments

---

## ↪ Provider Form A

- ◆ consists of two parts: Functional Status and Safety & Health.
- ◆ Provider's observations and clinical judgments about the consumer's social & role functioning, housing status, activities of daily living, criminal justice involvement, harmful behavior and victimization.



# Instruments

---

## ↪ **Adult Consumer Form B**

- ◆ Consists of three parts: Quality of Life (excluding empowerment, Safety & Health and Symptom Distress).
- ◆ This shorter version of the Adult A form is used for adult outpatient clients. Providers of non-SMD consumers are not required to complete a provider survey.

# Instruments

---

## ↪ Ohio Scales

### *Three parallel forms:*

- ◆ Y-form is completed by the youth (self-report for ages 12 and older).
- ◆ P-form is completed by the youth's parent (or primary caretaker).
- ◆ W-form is completed by the youth's agency worker/case manager.

# Instruments

---

- ↪ Four primary areas or domains of assessment were selected for Ohio Scales:
- ◆ Problem severity
  - ◆ Functioning
  - ◆ Hopefulness
  - ◆ Satisfaction with behavioral health services



# Stakeholder Usage

---

## Consumer

- ◆ Become active in their treatment process
- ◆ Identify strengths and weaknesses
- ◆ Identify the parts of their life in which they are dissatisfied.
- ◆ Work with mental health professionals and family/friends to develop and achieve goals.
- ◆ Participate in the recovery process.



# Stakeholder Usage

---

## ↪ Provider

- ◆ A means to engage the consumer in their treatment and provide structure for treatment.
- ◆ Monitor consumer's progress over time.
- ◆ Identify needs that require immediate attention.
- ◆ Identify consumer issues/concerns as well as strengths that they might not be aware of.
- ◆ Develop a recovery-focused treatment plan.
- ◆ Identify areas to serve as an advocate.



# Stakeholder Usage

---

## ↳ Supervisor

- ◆ Initiation of services
  - **case assignment**
  - **treatment planning**
  - **allocation of services**
- ◆ Periodic review
- ◆ Ending services

# Stakeholder Usage

## ↳ Agency

- ◆ Care Management
- ◆ Quality Improvement
- ◆ Accountability for Resources

## ↳ Board/ODMH

- ◆ Care Management
- ◆ Quality Improvement
- ◆ Accountability for Resources
- ◆ System Planning





---

# Use of Ohio Consumer Outcomes in the Treatment Environment



# Standardized Outcomes Reports

---

↪ **Summary of Client Responses**

↪ **Red Flag Report**

↪ **Strengths Report**

↪ **Client Trajectory Report**

# Using Outcomes to Monitor Treatment

---

- ↪ **Assessing progress toward goals**
- ↪ **Use of change graphs**
- ↪ **Monitoring for level of care changes**
- ↪ **Identifying deterioration**
- ↪ **Recognize when treatment should end/change**

# Treatment Planning

---

## Three levels of information to consider:

### ↪ *Critical Issues*

- ◆ safety & health and clinical status domains

### ↪ *Target Problems*

- ◆ issues/concerns addressed as part of ongoing treatment

### ↪ *Strengths*

- ◆ what are they and how will they be used to address the critical issues and target problems?

# Treatment Planning

---

## ↳ Maslow's Hierarchy of Needs

- ◆ Biological/Physiological Needs
- ◆ Security/Safety Needs
- ◆ Social (love, affection, and belongingness) Needs
- ◆ Ego/Esteem Needs
- ◆ Self-Actualization/Fulfillment

↳ **Treatment Plans should at least involve the first three levels of the hierarchy.**

# Limitations of Outcomes

---

## ↪ Not a diagnostic tool

- ◆ Outcome scores alone are not sufficient for determining treatment needs

## ↪ Not a level of care tool

- ◆ Until further research is done and benchmarks are established, Outcomes results should not be used to determine a consumer's level of care needs

# Ohio Consumer Outcomes Scales

---

↪ **Quality of Life**

↪ **Safety and Health**

↪ **Symptom Distress**

↪ **Making Decisions Empowerment**

- ◆ **Self Esteem/Self Efficacy**
- ◆ **Power/Powerlessness**
- ◆ **Community Activism and Autonomy**
- ◆ **Optimism and Control Over the Future**
- ◆ **Righteous Anger**

# Ohio Consumer Outcomes Scales

---

↪ Quality of Life

↪ Safety and Health

↪ **Symptom Distress**

↪ Making Decisions Empowerment

- ◆ **Self Esteem/Self Efficacy**
- ◆ **Power/Powerlessness**
- ◆ **Community Activism and Autonomy**
- ◆ **Optimism and Control Over the Future**
- ◆ **Righteous Anger**

# Ohio Consumer Outcomes

# Symptom Distress Scale

---

15 items:

*During the past 7 days, about how much were you distressed or bothered by:*

- ◆ Spells of terror or panic
- ◆ Feeling lonely
- ◆ Feeling blue
- ◆ Feeling no interest in things
- ◆ Feeling fearful





# Ohio Consumer Outcomes

## Self Esteem/Efficacy

---

### 9 Items:

- ◆ I have a positive attitude toward myself
- ◆ I am usually confident about the decisions I make
- ◆ I see myself as a capable person
- ◆ I am often able to overcome barriers
- ◆ When I make plans, I am almost certain to make them work
- ◆ I am able to do things as well as most other people
- ◆ I generally accomplish what I set out to do
- ◆ I feel I am a person of worth, at least on an equal basis with others
- ◆ I feel I have a number of good qualities



# Ohio Consumer Outcomes

## Power/Powerlessness

---

### ↪ 8 Items:

- ◆ **People have no right to get angry just because they don't like something**
- ◆ **Most of the misfortunes in my life were due to bad luck**
- ◆ **Making waves never gets you anywhere**
- ◆ **Usually I feel alone**
- ◆ **Experts are in the best position to decide what people should do or learn**
- ◆ **You can't fight city hall**
- ◆ **I feel powerless most of the time**
- ◆ **When I am unsure about something, I usually go along with the rest of the group**

# Ohio Consumer Outcomes

## Community Activism & Autonomy

---

### ↳ 6 Items:

- ◆ People have more power if they join together as a group
- ◆ People working together can have an effect on their community
- ◆ People should try to live their lives the way they want to
- ◆ People have a right to make their own decisions, even if they are bad ones
- ◆ Very often a problem can be solved by taking action
- ◆ Working with others in my community can help to change things for the better



# Ohio Consumer Outcomes

## Optimism and Control Over the Future

---

### ↪ 4 Items:

- ◆ I can pretty much determine what will happen in my life
- ◆ People are limited only by what they think is possible
- ◆ I am generally optimistic about the future
- ◆ Very often a problem can be solved by taking action

# Ohio Consumer Outcomes

## Righteous Anger

---

### ↪ 4 Items:

- ◆ Getting angry about something never helps
- ◆ People have no right to get angry just because they don't like something
- ◆ Making waves never gets you anywhere
- ◆ Getting angry about something is often the first step toward changing it



# Ohio Consumer Outcomes

## **Preliminary** Data

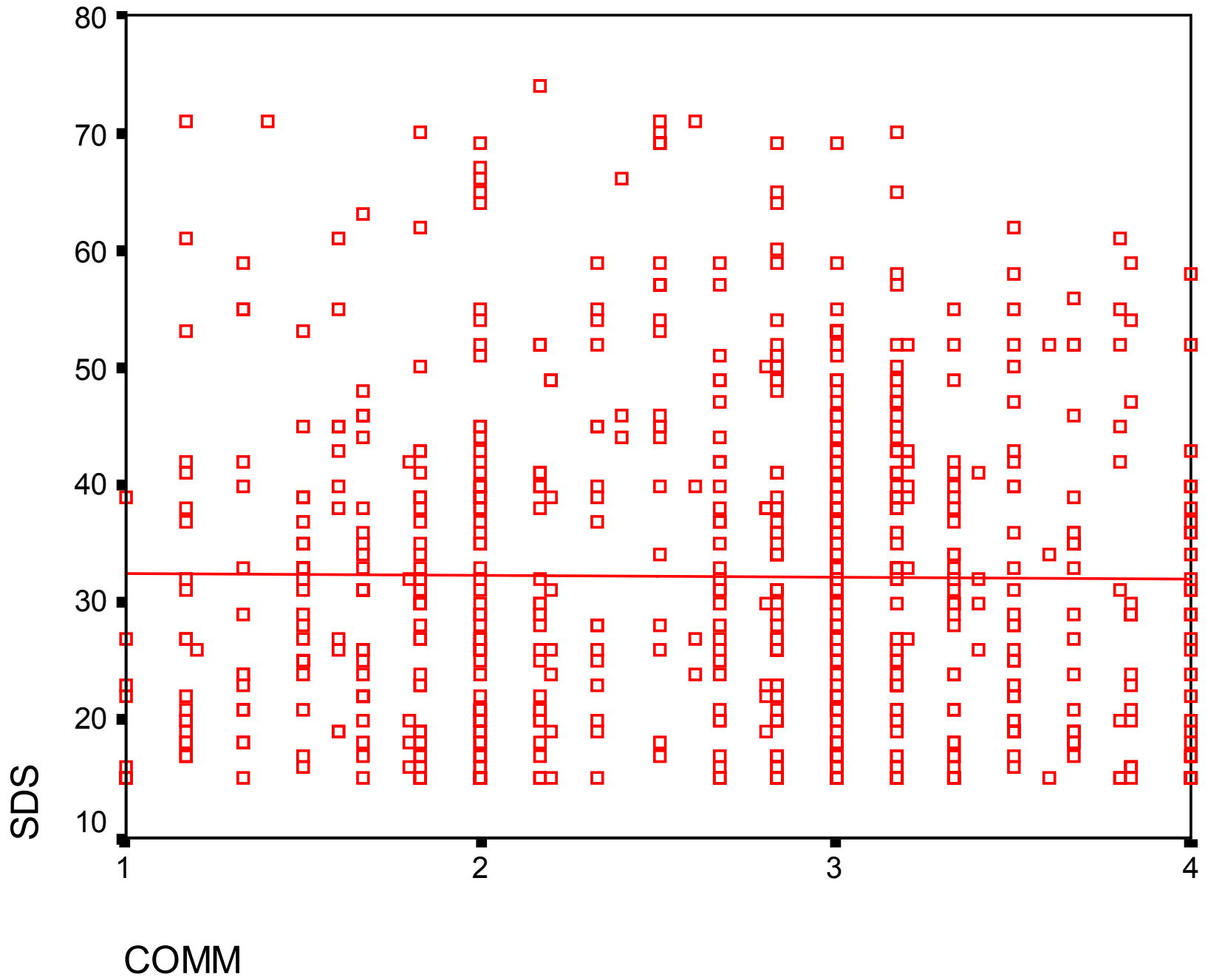
---

↪ **All Initial** Consumer Administrations  
analyzed in **August, 2002**









# Ohio Consumer Outcomes

## Preliminary Data

---

↪ **All 6 Month Follow-up Consumer Administrations analyzed in August, 2002**

# Hamilton County Ohio Consumer Outcomes

## Correlations Between Symptom Distress and Empowerment Sub-scales

	Self-Esteem/Efficacy Subscale	Power/Powerlessness Subscale	Community Activism & Autonomy Subscale	Optimism and Control Over the Future Subscale	Righteous Anger Subscale
Initial Admn August, 2002	r = $-.600^{**}$ n = 165	r = $-.117$ n = 158	r = $-.302^{**}$ n = 170	r = $-.510^{**}$ n = 150	r = $.246^{**}$ n = 155
6 Month Admn August, 2002	r = $-.609^{**}$ n = 143	r = $-.009$ n = 143	r = $-.242^{**}$ n = 149	r = $-.436^{**}$ n = 139	r = $.251^{**}$ n = 142

# Ohio Consumer Outcomes

## Expanded Data

---

- ↪ **Initial** consumer administrations through **March, 2003** analyzed in April, 2003

# Ohio Consumer Outcomes

## Expanded Data

---

- ↪ **Initial** consumer administrations through **March, 2003** analyzed in April, 2003
- ↪ **Excludes** those admitted to the agency prior to inception of Ohio Consumer Outcomes initiative (Sept, 2001)

# Hamilton County Ohio Consumer Outcomes

## Correlations Between Symptom Distress and Empowerment Sub-scales

	Self-Esteem/Efficacy Subscale	Power/Powerlessness Subscale	Community Activism & Autonomy Subscale	Optimism and Control Over the Future Subscale	Righteous Anger Subscale
Initial Admn August, 2002	r = $-.600^{**}$ n = 165	r = $-.117$ n = 158	r = $-.302^{**}$ n = 170	r = $-.510^{**}$ n = 150	r = $.246^{**}$ n = 155
6 Month Admn August, 2002	r = $-.609^{**}$ n = 143	r = $-.009$ n = 143	r = $-.242^{**}$ n = 149	r = $-.436^{**}$ n = 139	r = $.251^{**}$ n = 142
Initial Admn April, 2003	r = $-.648^{**}$ n = 472	r = $-.159^{**}$ n = 438	r = $-.204^{**}$ n = 465	r = $-.445^{**}$ n = 407	r = $.125^{*}$ n = 394

# Hamilton County Ohio Consumer Outcomes

## Correlations Between Symptom Distress and Empowerment Sub-scales

	Self-Esteem/Efficacy Subscale	Power/Powerlessness Subscale	Community Activism & Autonomy Subscale	Optimism and Control Over the Future Subscale	Righteous Anger Subscale
Initial Admn April, 2003	$r = -.648^{**}$ $n = 472$ $r^2 = .42$	$r = -.159^{**}$ $n = 438$ $r^2 = .03$	$r = -.204^{**}$ $n = 465$ $r^2 = .04$	$r = -.445^{**}$ $n = 407$ $r^2 = .20$	$r = .125^*$ $n = 394$ $r^2 = .02$

# Ohio Consumer Outcomes Longitudinal Data

---

- ↪ **Initial and 6 month follow-up** consumer administrations through **March, 2003** analyzed in April, 2003
- ↪ **Excludes** those admitted to the agency prior to inception of Ohio Consumer Outcomes initiative (Sept, 2001)



# Ohio Consumer Outcomes

## Longitudinal Data

---

- ↪ Initial and 6 month follow-up consumer administrations through March, 2003 analyzed in April, 2003
- ↪ Excludes those admitted to the agency prior to inception of Ohio Consumer Outcomes initiative (Sept, 2001)
- ↪ **Includes only those consumers with both Time 1 and Time 2 data**

# Hamilton County Ohio Consumer Outcomes

## Correlations Between Symptom Distress and Empowerment Sub-scales

	Self-Esteem/Efficacy Subscale	Power/Powerlessness Subscale	Community Activism & Autonomy Subscale	Optimism and Control Over the Future Subscale	Righteous Anger Subscale
Initial Admn August, 2002	r = $-.600^{**}$ n = 165	r = $-.117$ n = 158	r = $-.302^{**}$ n = 170	r = $-.510^{**}$ n = 150	r = $.246^{**}$ n = 155
6 Month Admn August, 2002	r = $-.609^{**}$ n = 143	r = $-.009$ n = 143	r = $-.242^{**}$ n = 149	r = $-.436^{**}$ n = 139	r = $.251^{**}$ n = 142
Initial Admn April, 2003	r = $-.648^{**}$ n = 472	r = $-.159^{**}$ n = 438	r = $-.204^{**}$ n = 465	r = $-.445^{**}$ n = 407	r = $.125^{*}$ n = 394
Initial Admn Longitudinal Sample	r = $-.565^{**}$ n = 80	r = $-.137^{**}$ n = 73	r = $-.230^{**}$ n = 78	r = $-.435^{**}$ n = 68	r = $.274^{*}$ n = 67

# Hamilton County Ohio Consumer Outcomes

## Correlations Between Symptom Distress and Empowerment Sub-scales

	Self-Esteem/Efficacy Subscale	Power/Powerlessness Subscale	Community Activism & Autonomy Subscale	Optimism and Control Over the Future Subscale	Righteous Anger Subscale
Initial Admn August, 2002	r = $-.600^{**}$ n = 165	r = $-.117$ n = 158	r = $-.302^{**}$ n = 170	r = $-.510^{**}$ n = 150	r = $.246^{**}$ n = 155
6 Month Admn August, 2002	r = $-.609^{**}$ n = 143	r = $-.009$ n = 143	r = $-.242^{**}$ n = 149	r = $-.436^{**}$ n = 139	r = $.251^{**}$ n = 142
Initial Admn April, 2003	r = $-.648^{**}$ n = 472	r = $-.159^{**}$ n = 438	r = $-.204^{**}$ n = 465	r = $-.445^{**}$ n = 407	r = $.125^{*}$ n = 394
Initial Admn Longitudinal Sample	r = $-.565^{**}$ n = 80	r = $-.137^{**}$ n = 73	r = $-.230^{**}$ n = 78	r = $-.435^{**}$ n = 68	r = $.274^{*}$ n = 67
6 Month Follow-up Long. Sample	r = $-.556^{**}$ n = 71	r = $-.115^{**}$ n = 74	r = $-.379^{**}$ n = 76	r = $-.549^{**}$ n = 68	r = $.164^{*}$ n = 70

# Ohio Consumer Outcomes Change Data

---

- ↪ Initial and 6 month follow-up consumer administrations through March, 2003 analyzed in April, 2003
- ↪ Excludes those admitted to the agency prior to inception of Ohio Consumer Outcomes initiative (Sept, 2001)
- ↪ Includes only those individuals with both Time 1 and Time 2 data

# Ohio Consumer Outcomes Change Data

---

- ↪ Initial and 6 month follow-up consumer administrations through March, 2003 analyzed in April, 2003
- ↪ Excludes those admitted to the agency prior to inception of Ohio Consumer Outcomes initiative (Sept, 2001)
- ↪ Includes only those individuals with both Time 1 and Time 2 data
- ↪ **New variables computed to represent direction and degree of change**

# Hamilton County Ohio Consumer Outcomes

## Correlations Between Symptom Distress and Empowerment Sub-scales

	Self-Esteem/Efficacy Subscale	Power/Powerlessness Subscale	Community Activism & Autonomy Subscale	Optimism and Control Over the Future Subscale	Righteous Anger Subscale
Initial Admn August, 2002	r = $-.600^{**}$ n = 165	r = $-.117$ n = 158	r = $-.302^{**}$ n = 170	r = $-.510^{**}$ n = 150	r = $.246^{**}$ n = 155
6 Month Admn August, 2002	r = $-.609^{**}$ n = 143	r = $-.009$ n = 143	r = $-.242^{**}$ n = 149	r = $-.436^{**}$ n = 139	r = $.251^{**}$ n = 142
Initial Admn April, 2003	r = $-.648^{**}$ n = 472	r = $-.159^{**}$ n = 438	r = $-.204^{**}$ n = 465	r = $-.445^{**}$ n = 407	r = $.125^{*}$ n = 394
Initial Admn Longitudinal Sample	r = $-.565^{**}$ n = 80	r = $-.137^{**}$ n = 73	r = $-.230^{**}$ n = 78	r = $-.435^{**}$ n = 68	r = $.274^{*}$ n = 67
6 Month Follow-up Long. Sample	r = $-.556^{**}$ n = 71	r = $-.115^{**}$ n = 74	r = $-.379^{**}$ n = 76	r = $-.549^{**}$ n = 68	r = $.164^{*}$ n = 70
CHANGE OVER TIME	r = $-.500^{**}$ n = 63	r = $-.087$ n = 58	r = $-.170$ n = 63	r = $-.424^{**}$ n = 52	r = $-.048^{*}$ n = 47

# Ohio Consumer Outcomes

## “Existing” Consumers

---

↪ Initial consumer administrations **through**  
**1997**

# Hamilton County Ohio Consumer Outcomes

## Correlations Between Symptom Distress and Empowerment Sub-scales

	Self-Esteem/Efficacy Subscale	Power/Powerlessness Subscale	Community Activism & Autonomy Subscale	Optimism and Control Over the Future Subscale	Righteous Anger Subscale
Initial Admn August, 2002	r = $-.600^{**}$ n = 165	r = $-.117$ n = 158	r = $-.302^{**}$ n = 170	r = $-.510^{**}$ n = 150	r = $.246^{**}$ n = 155
6 Month Admn August, 2002	r = $-.609^{**}$ n = 143	r = $-.009$ n = 143	r = $-.242^{**}$ n = 149	r = $-.436^{**}$ n = 139	r = $.251^{**}$ n = 142
Initial Admn April, 2003	r = $-.648^{**}$ n = 472	r = $-.159^{**}$ n = 438	r = $-.204^{**}$ n = 465	r = $-.445^{**}$ n = 407	r = $.125^{*}$ n = 394
Initial Admn Longitudinal Sample	r = $-.565^{**}$ n = 80	r = $-.137^{**}$ n = 73	r = $-.230^{**}$ n = 78	r = $-.435^{**}$ n = 68	r = $.274^{*}$ n = 67
6 Month Follow-up Long. Sample	r = $-.556^{**}$ n = 71	r = $-.115^{**}$ n = 74	r = $-.379^{**}$ n = 76	r = $-.549^{**}$ n = 68	r = $.164^{*}$ n = 70
CHANGE OVER TIME	r = $-.500^{**}$ n = 63	r = $-.087$ n = 58	r = $-.170$ n = 63	r = $-.424^{**}$ n = 52	r = $-.048^{*}$ n = 47
Initial Admn Admit prior to 1998	r = $-.082^{*}$ n = 728	r = $-.121^{**}$ n = 694	r = $-.010$ n = 748	r = $-.038$ n = 643	r = $.125^{**}$ n = 659



# Hamilton County Ohio Consumer Outcomes

## Correlations Between Symptom Distress and Empowerment Sub-scales

	Self-Esteem/Efficacy Subscale	Power/Powerlessness Subscale	Community Activism & Autonomy Subscale	Optimism and Control Over the Future Subscale	Righteous Anger Subscale
Initial Admn April, 2003	$r = -.648^{**}$ $n = 472$ $r^2 = .42$	$r = -.159^{**}$ $n = 438$ $r^2 = .03$	$r = -.204^{**}$ $n = 465$ $r^2 = .04$	$r = -.445^{**}$ $n = 407$ $r^2 = .20$	$r = .125^*$ $n = 394$ $r^2 = .02$
Initial Admn Admit prior to 1998	$r = -.082^*$ $n = 728$ $r^2 = .007$	$r = -.121^{**}$ $n = 694$ $r^2 = .01$	$r = -.010$ $n = 748$ $r^2 = .00$	$r = -.038$ $n = 643$ $r^2 = .00$	$r = -.125^{**}$ $n = 659$ $r^2 = .02$

# Hamilton County Ohio Consumer Outcomes

## Correlations Between Symptom Distress and Empowerment Sub-scales

	Self-Esteem/Efficacy Subscale	Power/Powerlessness Subscale	Community Activism & Autonomy Subscale	Optimism and Control Over the Future Subscale	Righteous Anger Subscale
Initial Admn April, 2003	r = $-.648^{**}$ n = 472	r = $-.159^{**}$ n = 438	r = $-.204^{**}$ n = 465	r = $-.445^{**}$ n = 407	r = $.125^*$ n = 394
Initial Admn Admit prior to 1998	r = $-.082^*$ n = 728	r = $-.121^{**}$ n = 694	r = $-.010$ n = 748	r = $-.038$ n = 643	r = $.125^{**}$ n = 659

# Hamilton County Ohio Consumer Outcomes

## Correlations Between Symptom Distress and Empowerment Sub-scales

	Self-Esteem/Efficacy Subscale	Power/Powerlessness Subscale	Community Activism & Autonomy Subscale	Optimism and Control Over the Future Subscale	Righteous Anger Subscale
Initial Admn April, 2003	r = $-.648^{**}$ n = 472	r = $-.159^{**}$ n = 438	r = $-.204^{**}$ n = 465	r = $-.445^{**}$ n = 407	r = $.125^*$ n = 394
Mood Disorder	r = $-.646^{**}$ n = 293	r = $-.222^{**}$ n = 276	r = $-.229^{**}$ n = 287	r = $-.400^{**}$ n = 252	r = $.074$ n = 245
Initial Admn Admit prior to 1998	r = $-.082^*$ n = 728	r = $-.121^{**}$ n = 694	r = $-.010$ n = 748	r = $-.038$ n = 643	r = $.125^{**}$ n = 659

# Hamilton County Ohio Consumer Outcomes

## Correlations Between Symptom Distress and Empowerment Sub-scales

	Self-Esteem/Efficacy Subscale	Power/Powerlessness Subscale	Community Activism & Autonomy Subscale	Optimism and Control Over the Future Subscale	Righteous Anger Subscale
Initial Admn April, 2003	r = $-.648^{**}$ n = 472	r = $-.159^{**}$ n = 438	r = $-.204^{**}$ n = 465	r = $-.445^{**}$ n = 407	r = $.125^*$ n = 394
Mood Disorder	r = $-.646^{**}$ n = 293	r = $-.222^{**}$ n = 276	r = $-.229^{**}$ n = 287	r = $-.400^{**}$ n = 252	r = $.074$ n = 245
Schizophrenia & Other Psychoses	r = $-.574^{**}$ n = 83	r = $-.022$ n = 75	r = $-.370^{**}$ n = 83	r = $-.503^{**}$ n = 71	r = $.239^*$ n = 75
Initial Admn Admit prior to 1998	r = $-.082^*$ n = 728	r = $-.121^{**}$ n = 694	r = $-.010$ n = 748	r = $-.038$ n = 643	r = $.125^{**}$ n = 659



# ANOVA Results for Differences Between Diagnostic Groups

Initial Admins. Since OCO Start		M	SD	F	Sig.	Eta Squared
Symptom Distress	Schizophrenia	34.41	14.24	36.1	.000	.071
	Mood Disorder	44.34	15.01			
Self Esteem	Schizophrenia	3.08	.621	25.65	.000	.064
	Mood Disorder	2.66	.694			

# ANOVA Results for Differences Between Diagnostic Groups

Initial Admins. Since OCO Start		M	SD	F	Sig.	Eta Squared
Symptom Distress	Schizophrenia	34.41	14.24	36.1	.000	.071
	Mood Disorder	44.34	15.01			
Self Esteem	Schizophrenia	3.08	.621	25.65	.000	.064
	Mood Disorder	2.66	.694			
Power/ Powerless	Schizophrenia	2.28	.486	14.993	.000	.041
	Mood Disorder	2.50	.423			

# ANOVA Results for Differences Between Diagnostic Groups

Initial Admins. Since OCO Start		M	SD	F	Sig.	Eta Squared
Symptom Distress	Schizophrenia	34.41	14.24	36.1	.000	.071
	Mood Disorder	44.34	15.01			
Self Esteem	Schizophrenia	3.08	.621	25.65	.000	.064
	Mood Disorder	2.66	.694			
Power/ Powerless	Schizophrenia	2.28	.486	14.993	.000	.041
	Mood Disorder	2.50	.423			
Community Activism	Schizophrenia	3.23	.466	1.583	NS	
	Mood Disorder	3.16	.421			



# ANOVA Results for Differences Between Diagnostic Groups

Initial Admins. Since OCO Start		M	SD	F	Sig.	Eta Squared
Symptom Distress	Schizophrenia	34.41	14.24	36.1	.000	.071
	Mood Disorder	44.34	15.01			
Self Esteem	Schizophrenia	3.08	.621	25.65	.000	.064
	Mood Disorder	2.66	.694			
Power/ Powerless	Schizophrenia	2.28	.486	14.993	.000	.041
	Mood Disorder	2.50	.423			
Community Activism	Schizophrenia	3.23	.466	1.583	NS	
	Mood Disorder	3.16	.421			
Optimism & Control	Schizophrenia	3.01	.602	21.177	.000	.062
	Mood Disorder	2.65	.588			

## ANOVA Results for Differences Between Diagnostic Groups

Initial Admins. Since OCO Start		M	SD	F	Sig.	Eta Squared
Symptom Distress	Schizophrenia	34.41	14.24	36.1	.000	.071
	Mood Disorder	44.34	15.01			
Self Esteem	Schizophrenia	3.08	.621	25.65	.000	.064
	Mood Disorder	2.66	.694			
Power/ Powerless	Schizophrenia	2.28	.486	14.993	.000	.041
	Mood Disorder	2.50	.423			
Community Activism	Schizophrenia	3.23	.466	1.583	NS	
	Mood Disorder	3.16	.421			
Optimism & Control	Schizophrenia	3.01	.602	21.177	.000	.062
	Mood Disorder	2.65	.588			
Righteous Anger	Schizophrenia	2.27	.544	5.504	.020	.017
	Mood Disorder	2.44	.569			

# Hamilton County Ohio Consumer Outcomes

## Correlations Between Symptom Distress and Empowerment Sub-scales

	Self-Esteem/Efficacy Subscale	Power/Powerlessness Subscale	Community Activism & Autonomy Subscale	Optimism and Control Over the Future Subscale	Righteous Anger Subscale
Initial Admn April, 2003	r = $-.648^{**}$ n = 472	r = $-.159^{**}$ n = 438	r = $-.204^{**}$ n = 465	r = $-.445^{**}$ n = 407	r = $.125^*$ n = 394
Mood Disorder	r = $-.646^{**}$ n = 293	r = $-.222^{**}$ n = 276	r = $-.229^{**}$ n = 287	r = $-.400^{**}$ n = 252	r = $.074$ n = 245
Schizophrenia & Other Psychoses	r = $-.574^{**}$ n = 83	r = $-.022$ n = 75	r = $-.370^{**}$ n = 83	r = $-.503^{**}$ n = 71	r = $.239^*$ n = 75
Initial Admn Admit prior to 1998	r = $-.082^*$ n = 728	r = $-.121^{**}$ n = 694	r = $-.010$ n = 748	r = $-.038$ n = 643	r = $.125^{**}$ n = 659
Mood Disorder	r = $-.102$ n = 254	r = $-.155^*$ n = 251	r = $.046$ n = 268	r = $-.047$ n = 407	r = $.124$ n = 394

# Hamilton County Ohio Consumer Outcomes

## Correlations Between Symptom Distress and Empowerment Sub-scales

	Self-Esteem/Efficacy Subscale	Power/Powerlessness Subscale	Community Activism & Autonomy Subscale	Optimism and Control Over the Future Subscale	Righteous Anger Subscale
Initial Admn April, 2003	r = $-.648^{**}$ n = 472	r = $-.159^{**}$ n = 438	r = $-.204^{**}$ n = 465	r = $-.445^{**}$ n = 407	r = $.125^{*}$ n = 394
Mood Disorder	r = $-.646^{**}$ n = 293	r = $-.222^{**}$ n = 276	r = $-.229^{**}$ n = 287	r = $-.400^{**}$ n = 252	r = $.074$ n = 245
Schizophrenia & Other Psychoses	r = $-.574^{**}$ n = 83	r = $-.022$ n = 75	r = $-.370^{**}$ n = 83	r = $-.503^{**}$ n = 71	r = $.239^{*}$ n = 75
Initial Admn Admit prior to 1998	r = $-.082^{*}$ n = 728	r = $-.121^{**}$ n = 694	r = $-.010$ n = 748	r = $-.038$ n = 643	r = $.125^{**}$ n = 659
Mood Disorder	r = $-.102$ n = 254	r = $-.155^{*}$ n = 251	r = $.046$ n = 268	r = $-.047$ n = 407	r = $.124$ n = 394
Schizophrenia & Other Psychoses	r = $-.054$ n = 425	r = $-.136^{**}$ n = 395	r = $-.074$ n = 430	r = $-.031$ n = 365	r = $.161^{**}$ n = 377



# ANOVA Results for Differences Between Diagnostic Groups

"Existing" Clients – Prior to 1998		M	SD	F	Sig.	Eta Squared
Symptom Distress	Schizophrenia	28.59	11.843	78.993	.000	.095
	Mood Disorder	37.16	14.435			
Self Esteem	Schizophrenia	2.62	.736	.120	NS	
	Mood Disorder	2.61	.656			

# ANOVA Results for Differences Between Diagnostic Groups

“Existing” Clients – Prior to 1998		M	SD	F	Sig.	Eta Squared
Symptom Distress	Schizophrenia	28.59	11.843	78.993	.000	.095
	Mood Disorder	37.16	14.435			
Self Esteem	Schizophrenia	2.62	.736	.120	NS	
	Mood Disorder	2.61	.656			
Power/ Powerless	Schizophrenia	2.37	.440	12.378	.000	.019
	Mood Disorder	2.5	.493			

# ANOVA Results for Differences Between Diagnostic Groups

“Existing” Clients – Prior to 1998		M	SD	F	Sig.	Eta Squared
Symptom Distress	Schizophrenia	28.59	11.843	78.993	.000	.095
	Mood Disorder	37.16	14.435			
Self Esteem	Schizophrenia	2.62	.736	.120	NS	
	Mood Disorder	2.61	.656			
Power/ Powerless	Schizophrenia	2.37	.440	12.378	.000	.019
	Mood Disorder	2.5	.493			
Community Activism	Schizophrenia	2.62	.754	3.238	NS	
	Mood Disorder	2.73	.782			



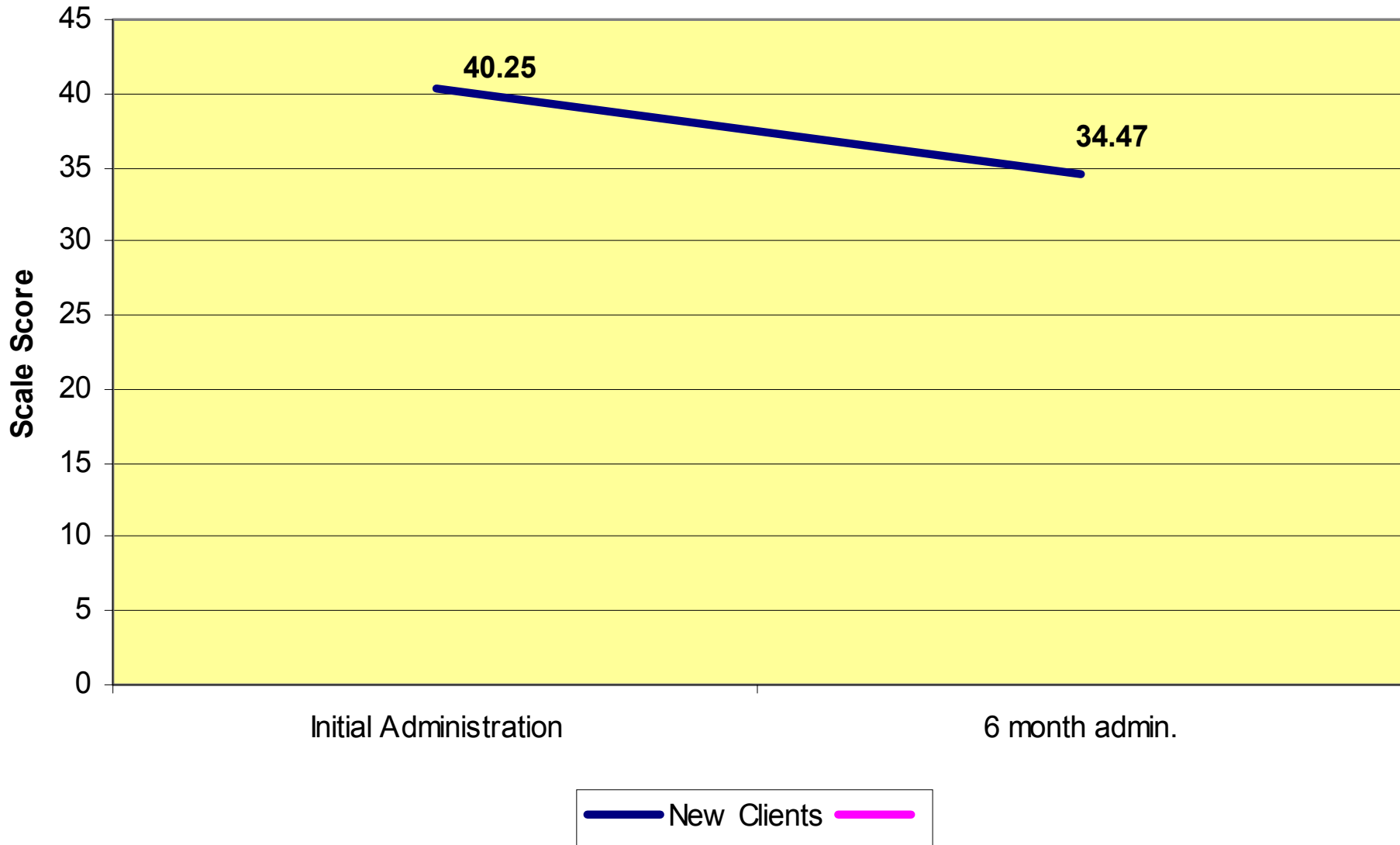
# ANOVA Results for Differences Between Diagnostic Groups

“Existing” Clients – Prior to 1998		M	SD	F	Sig.	Eta Squared
Symptom Distress	Schizophrenia	28.59	11.843	78.993	.000	.095
	Mood Disorder	37.16	14.435			
Self Esteem	Schizophrenia	2.62	.736	.120	NS	
	Mood Disorder	2.61	.656			
Power/ Powerless	Schizophrenia	2.37	.440	12.378	.000	.019
	Mood Disorder	2.5	.493			
Community Activism	Schizophrenia	2.62	.754	3.238	NS	
	Mood Disorder	2.73	.782			
Optimism & Control	Schizophrenia	2.57	.686	.059	NS	
	Mood Disorder	2.58	.603			

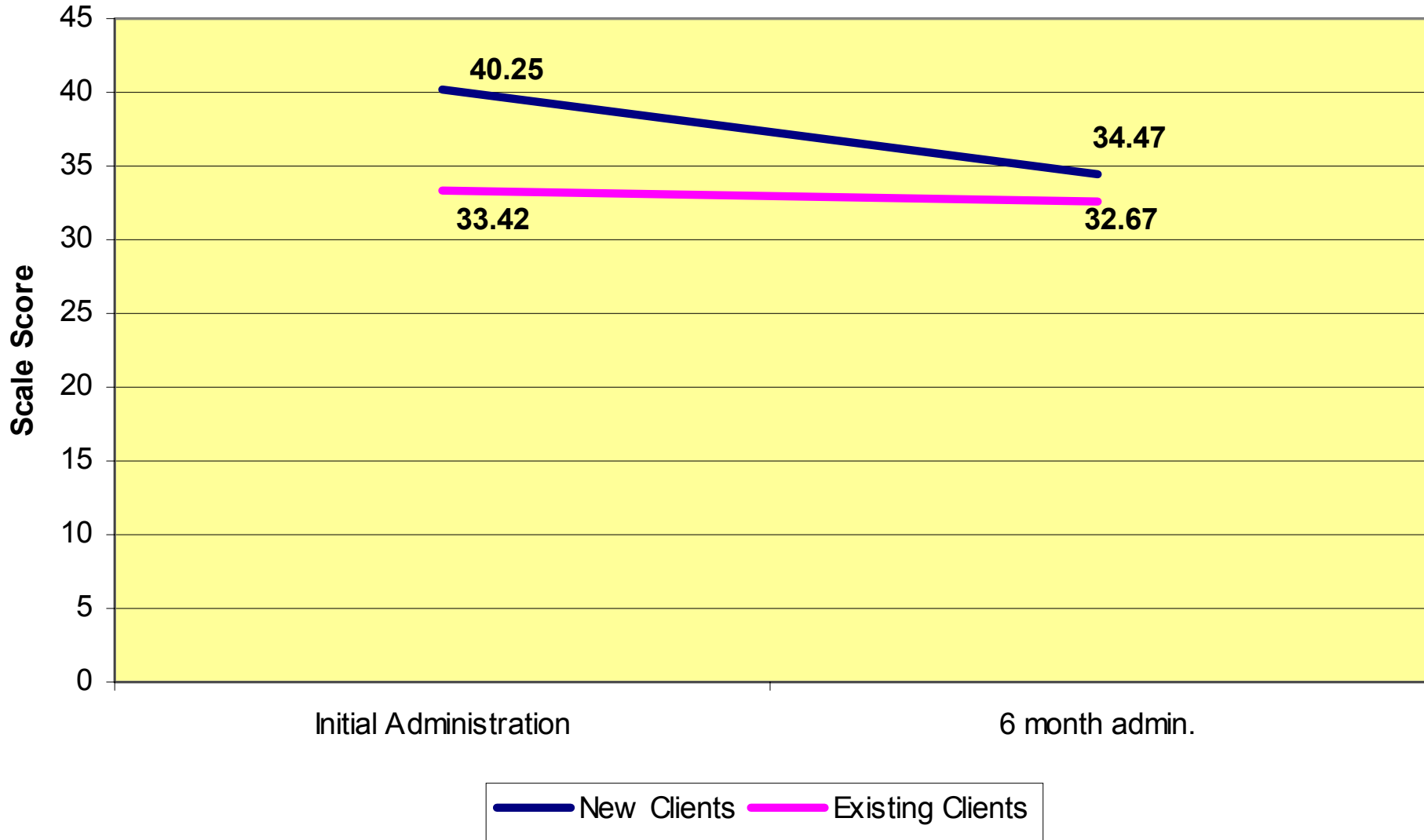
# ANOVA Results for Differences Between Diagnostic Groups

“Existing” Clients – Prior to 1998		M	SD	F	Sig.	Eta Squared
Symptom Distress	Schizophrenia	28.59	11.843	78.993	.000	.095
	Mood Disorder	37.16	14.435			
Self Esteem	Schizophrenia	2.62	.736	.120	NS	
	Mood Disorder	2.61	.656			
Power/ Powerless	Schizophrenia	2.37	.440	12.378	.000	.019
	Mood Disorder	2.5	.493			
Community Activism	Schizophrenia	2.62	.754	3.238	NS	
	Mood Disorder	2.73	.782			
Optimism & Control	Schizophrenia	2.57	.686	.059	NS	
	Mood Disorder	2.58	.603			
Righteous Anger	Schizophrenia	2.29	.537	2.347	NS	
	Mood Disorder	2.36	.522			

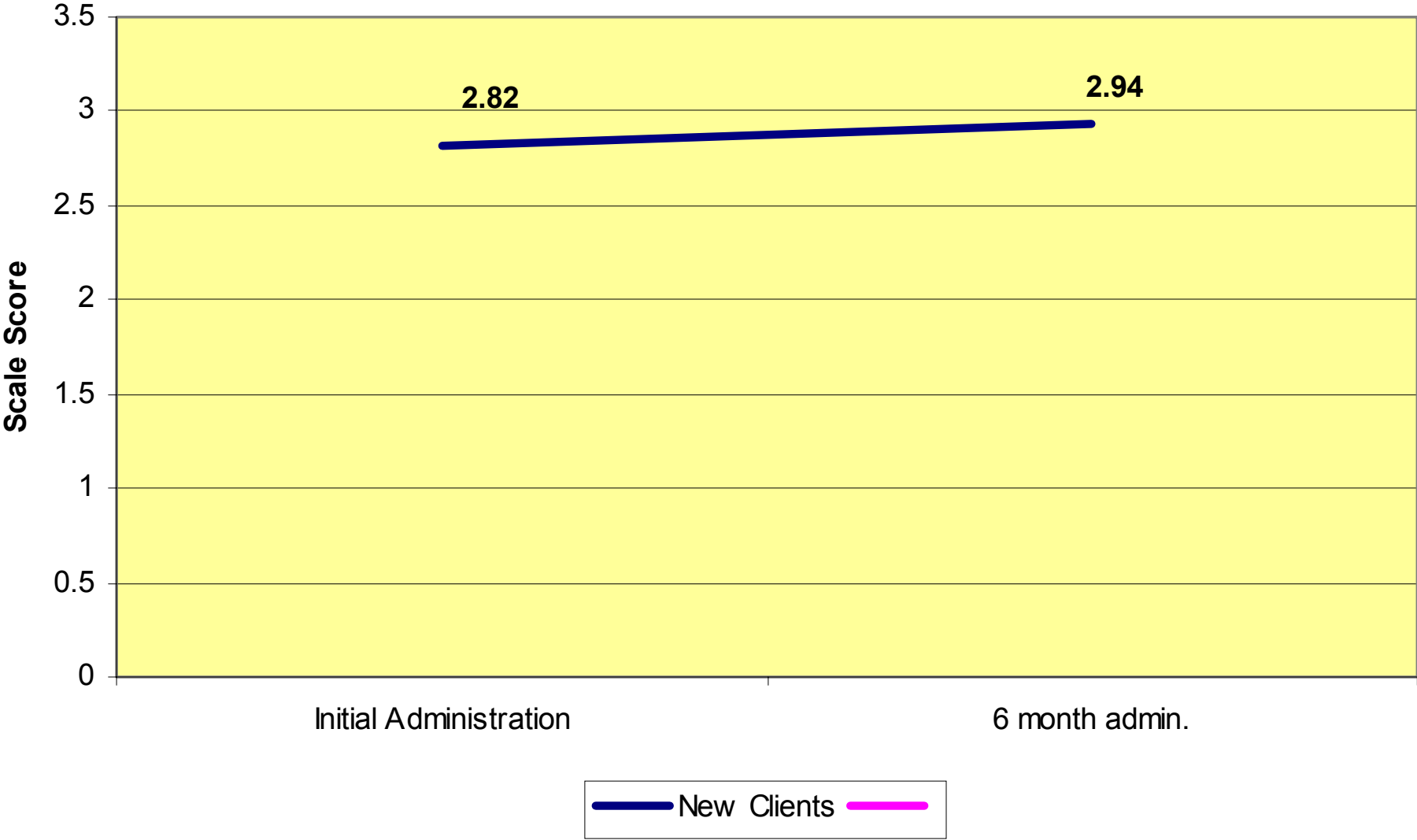
# Symptom Distress Change



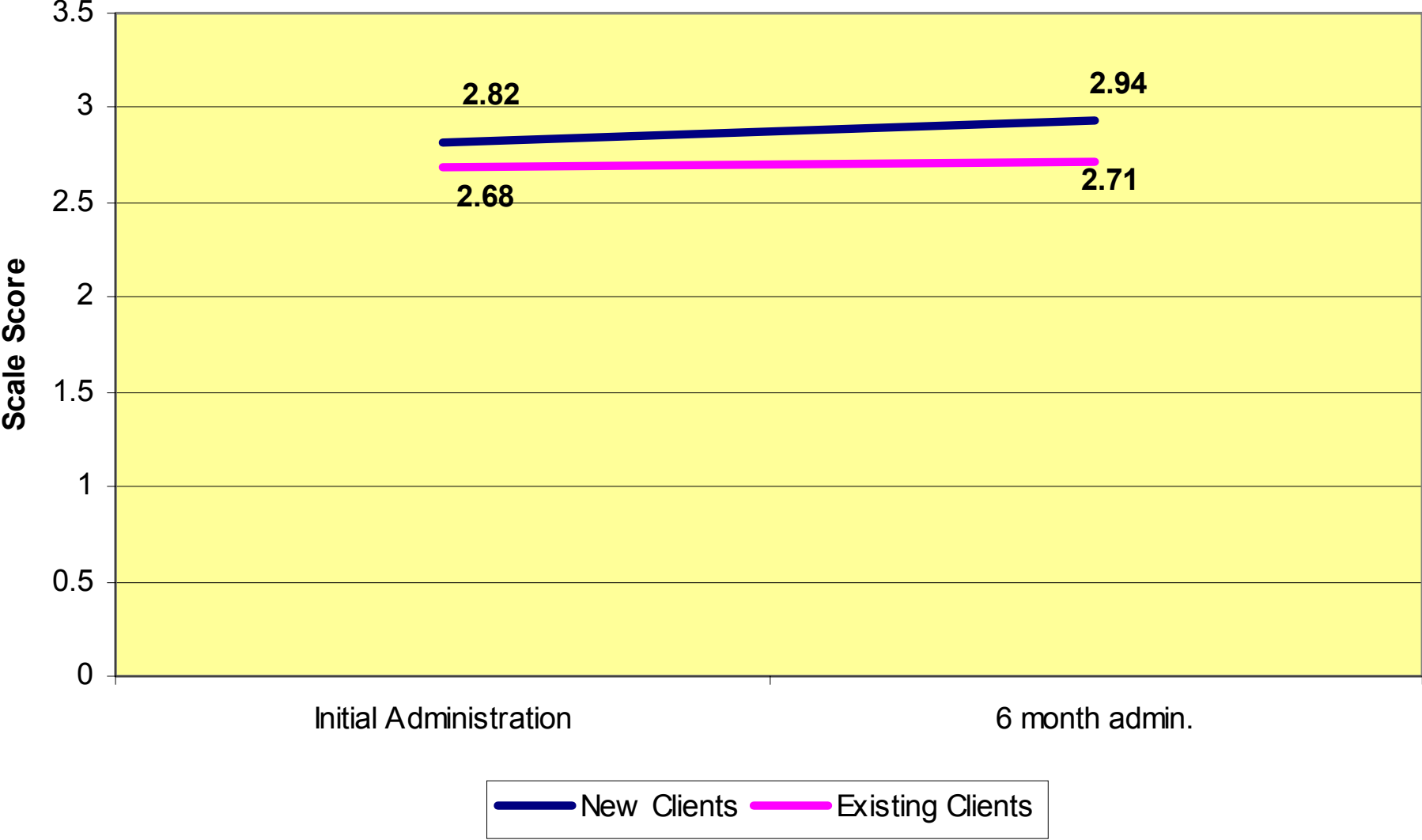
# Symptom Distress Change



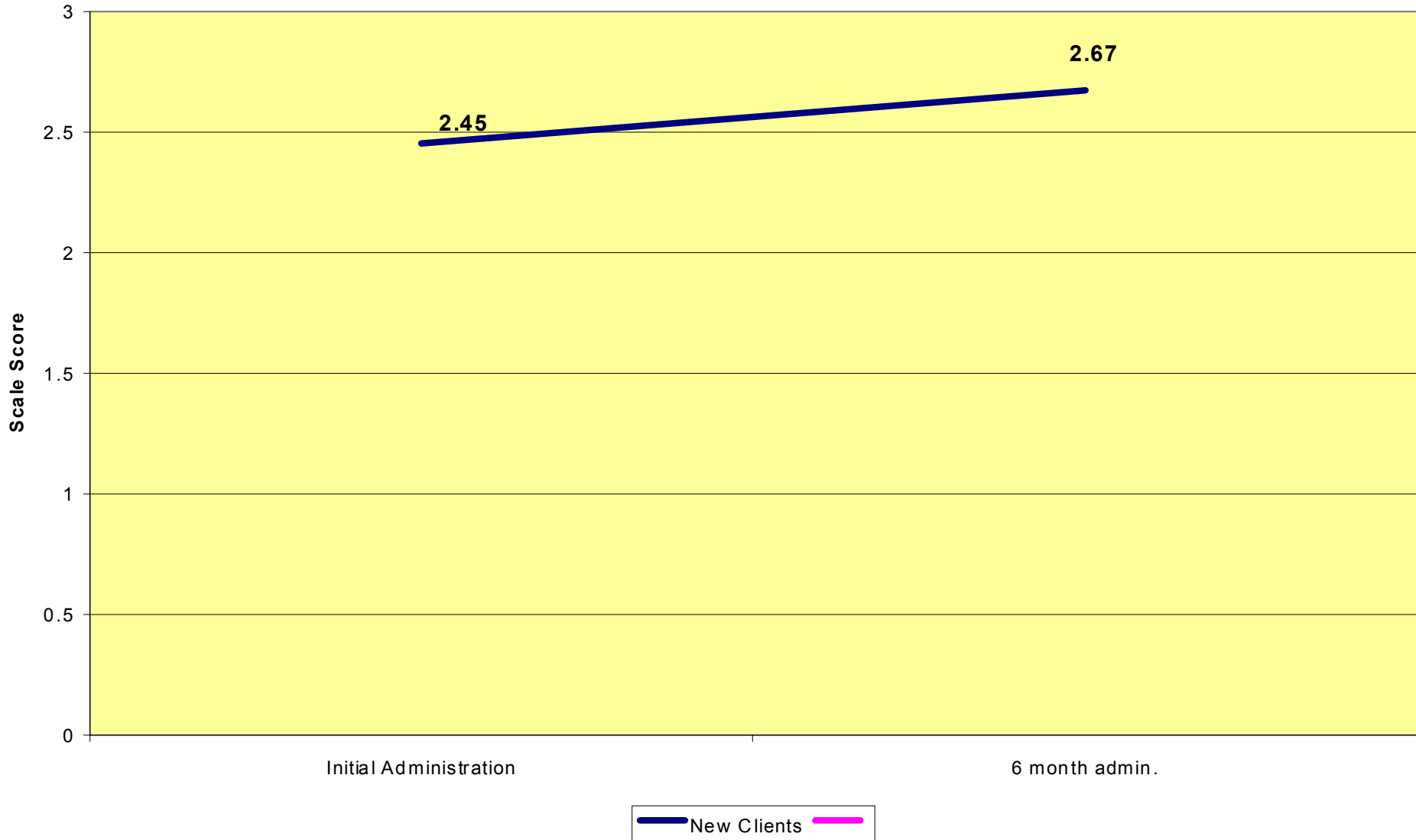
# Self-Esteem/Efficacy Change



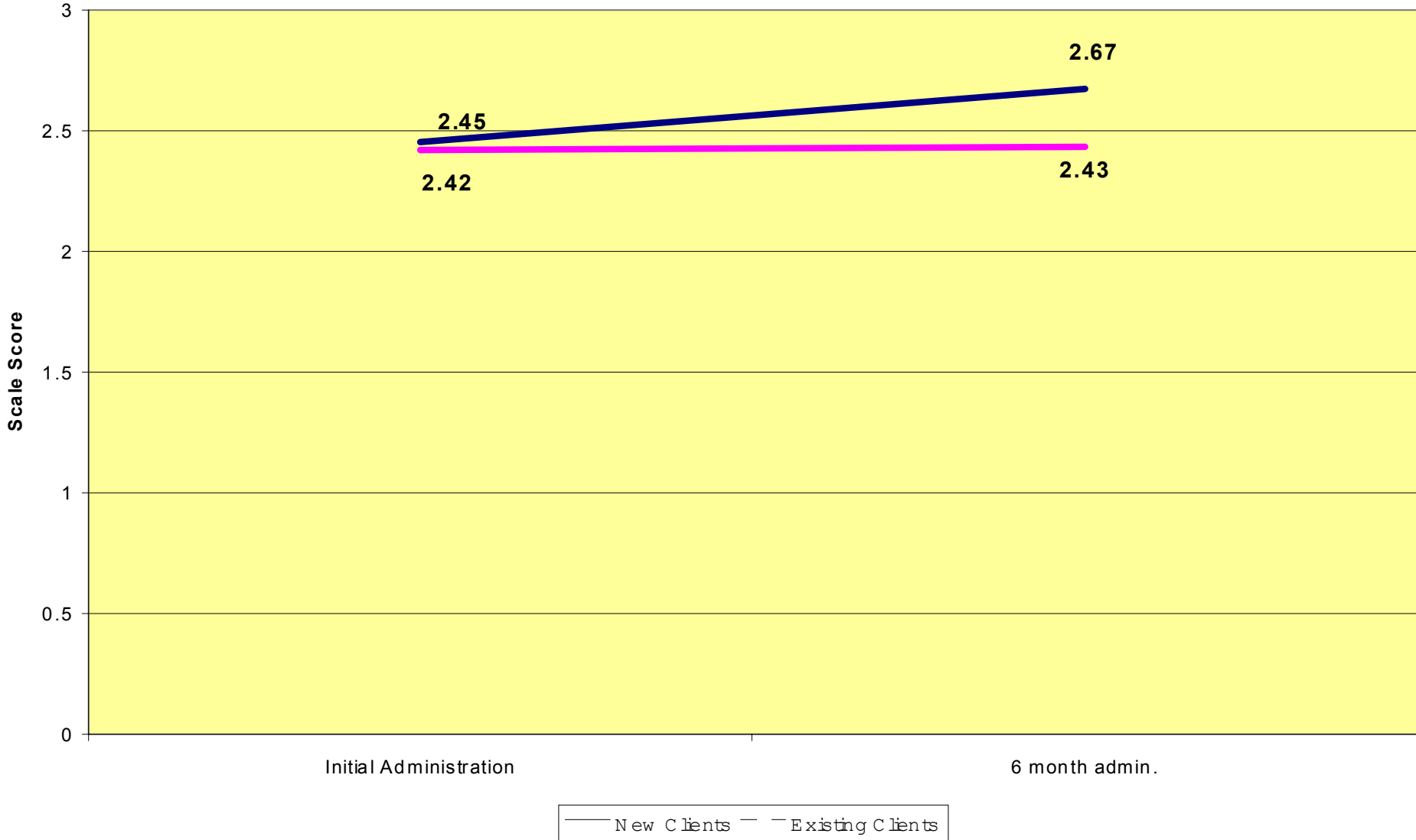
# Self-Esteem/Efficacy Change



# Power/Powerlessness Change

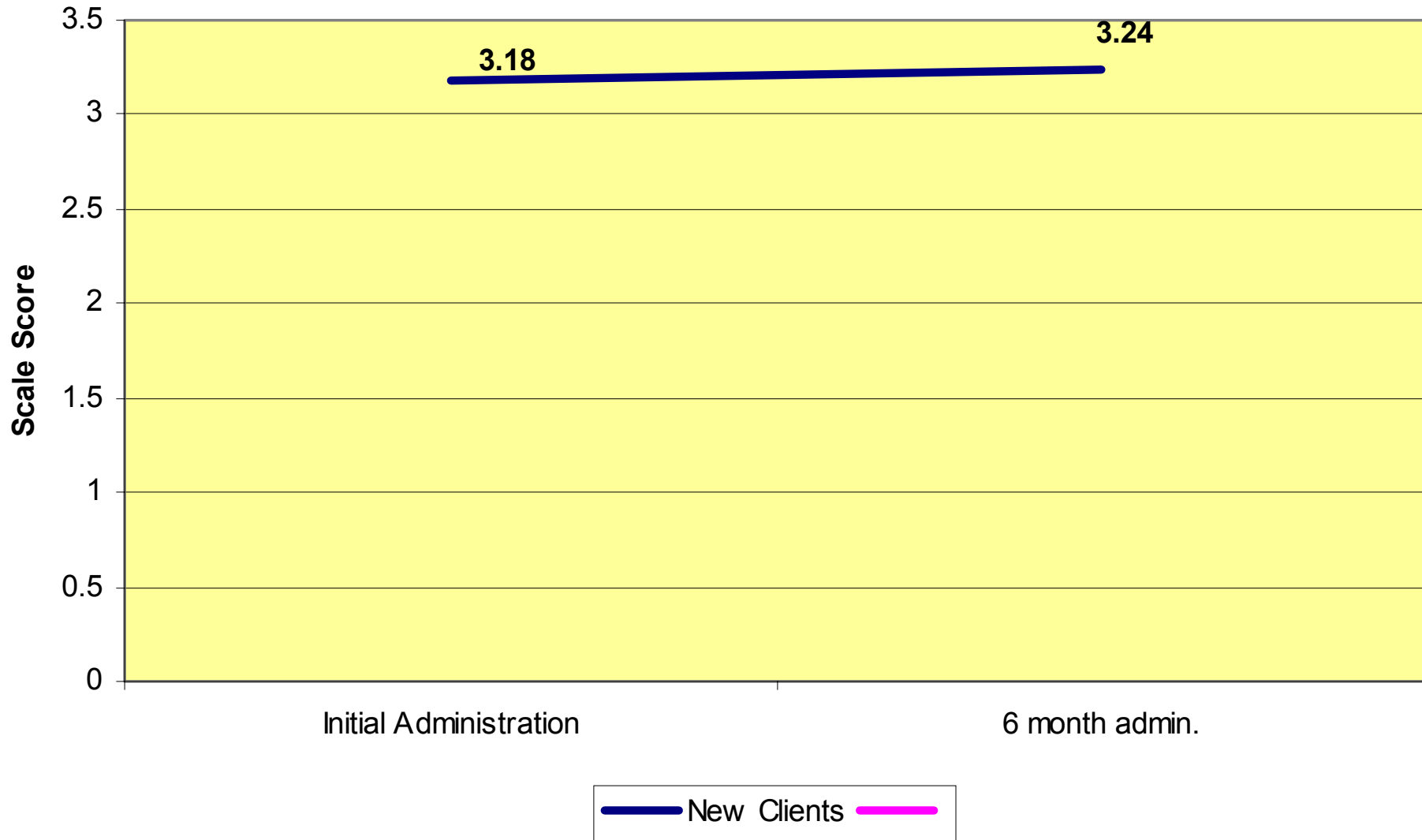


# Power/Powerlessness Change

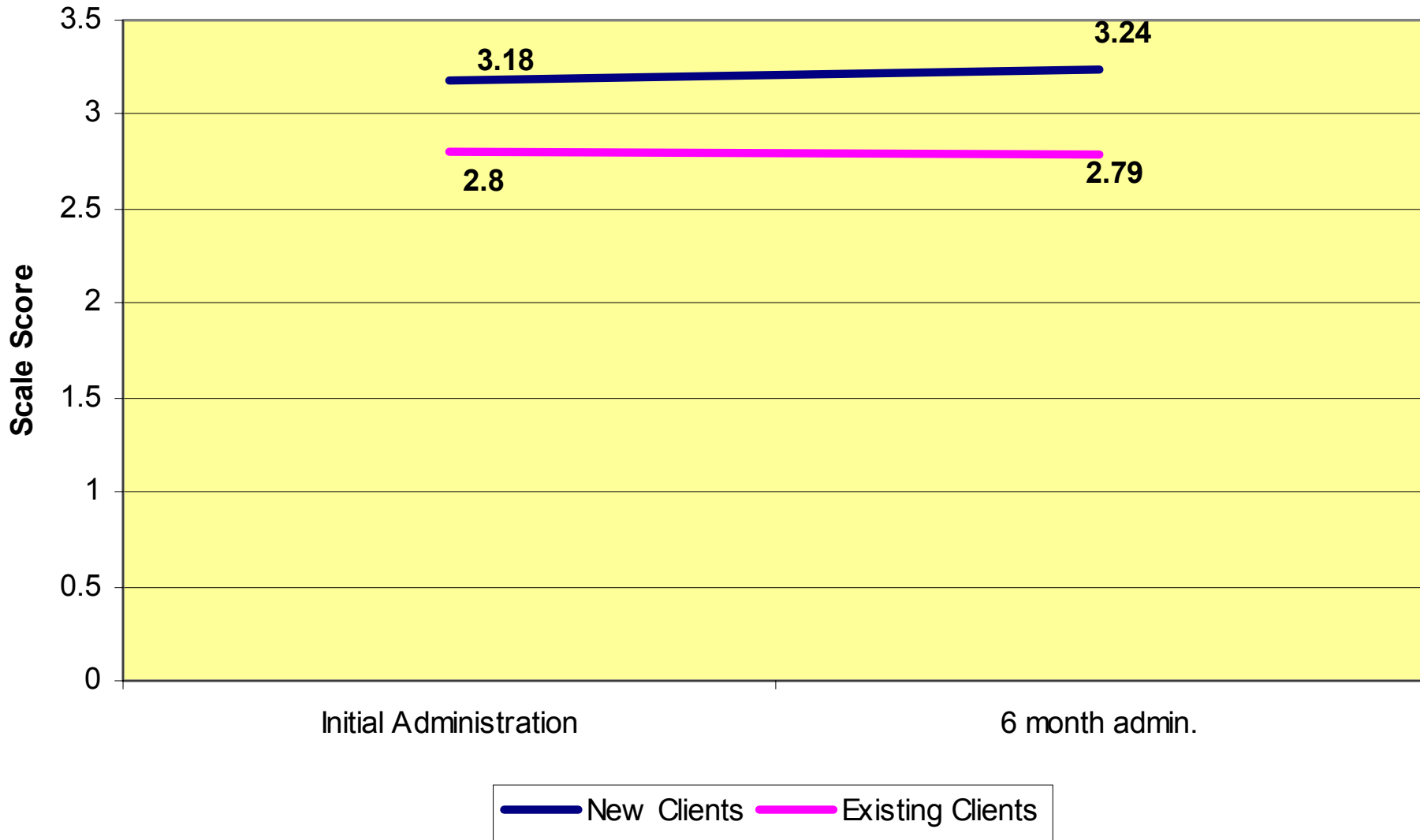




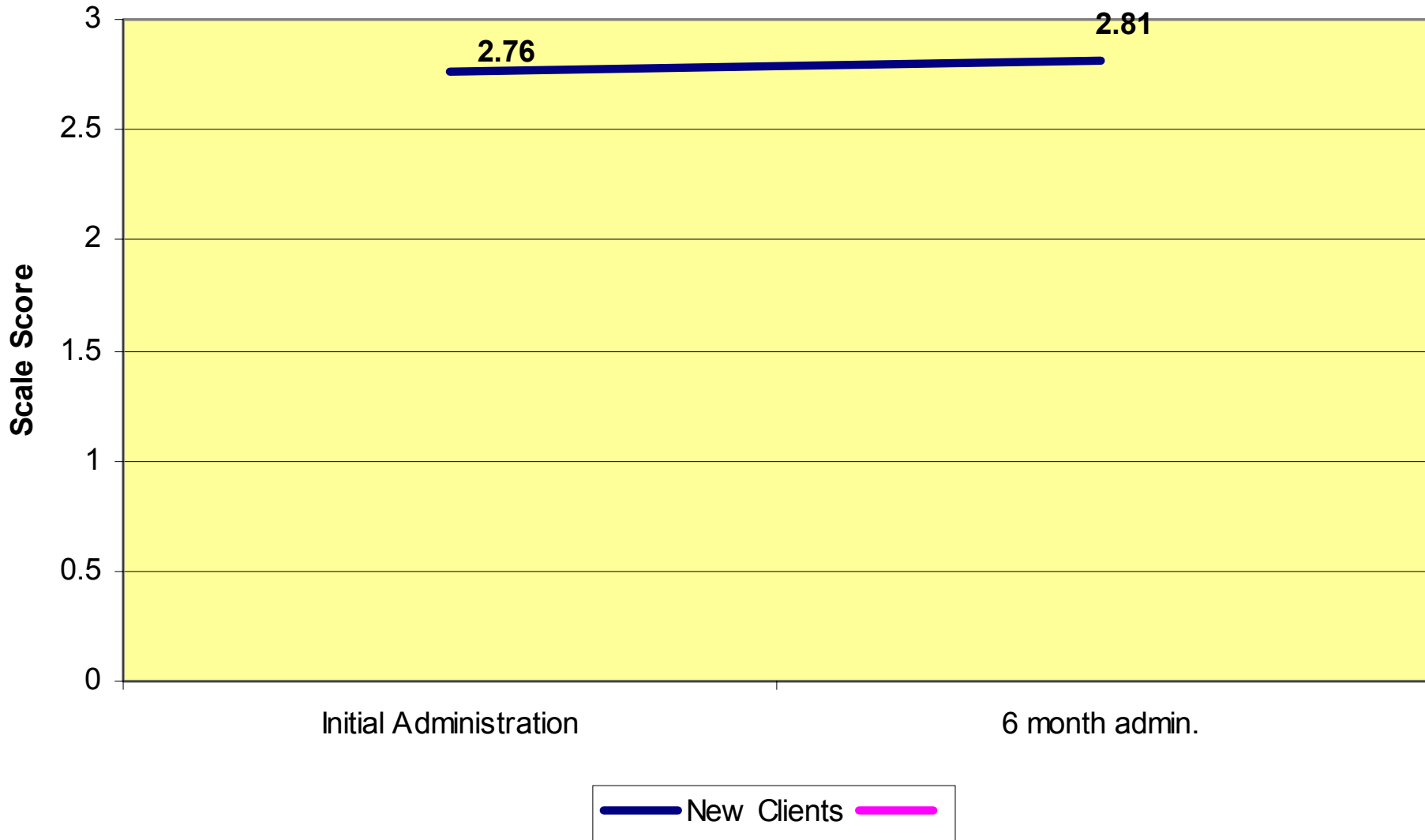
# Community Activism and Autonomy Change



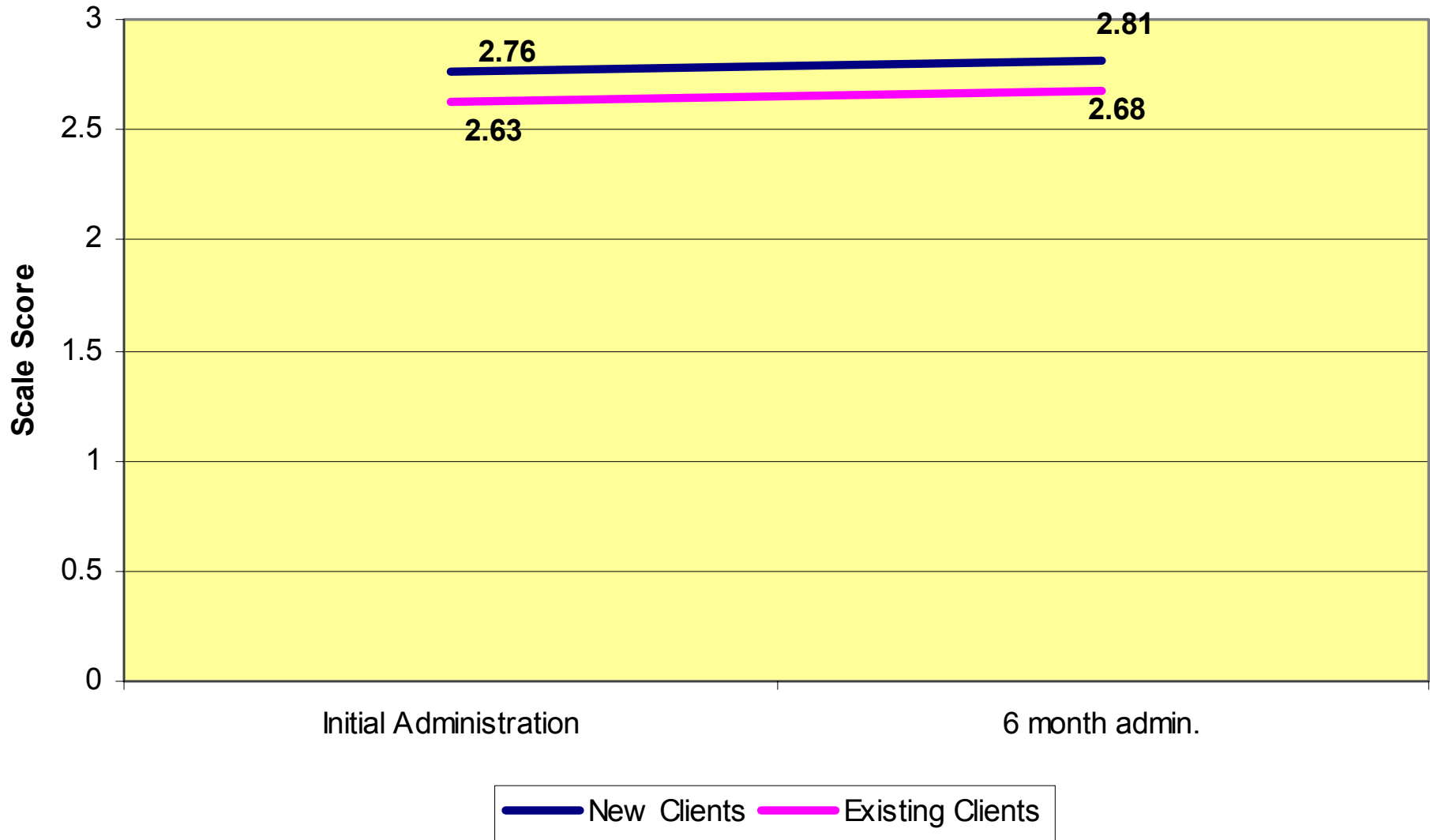
# Community Activism and Autonomy Change



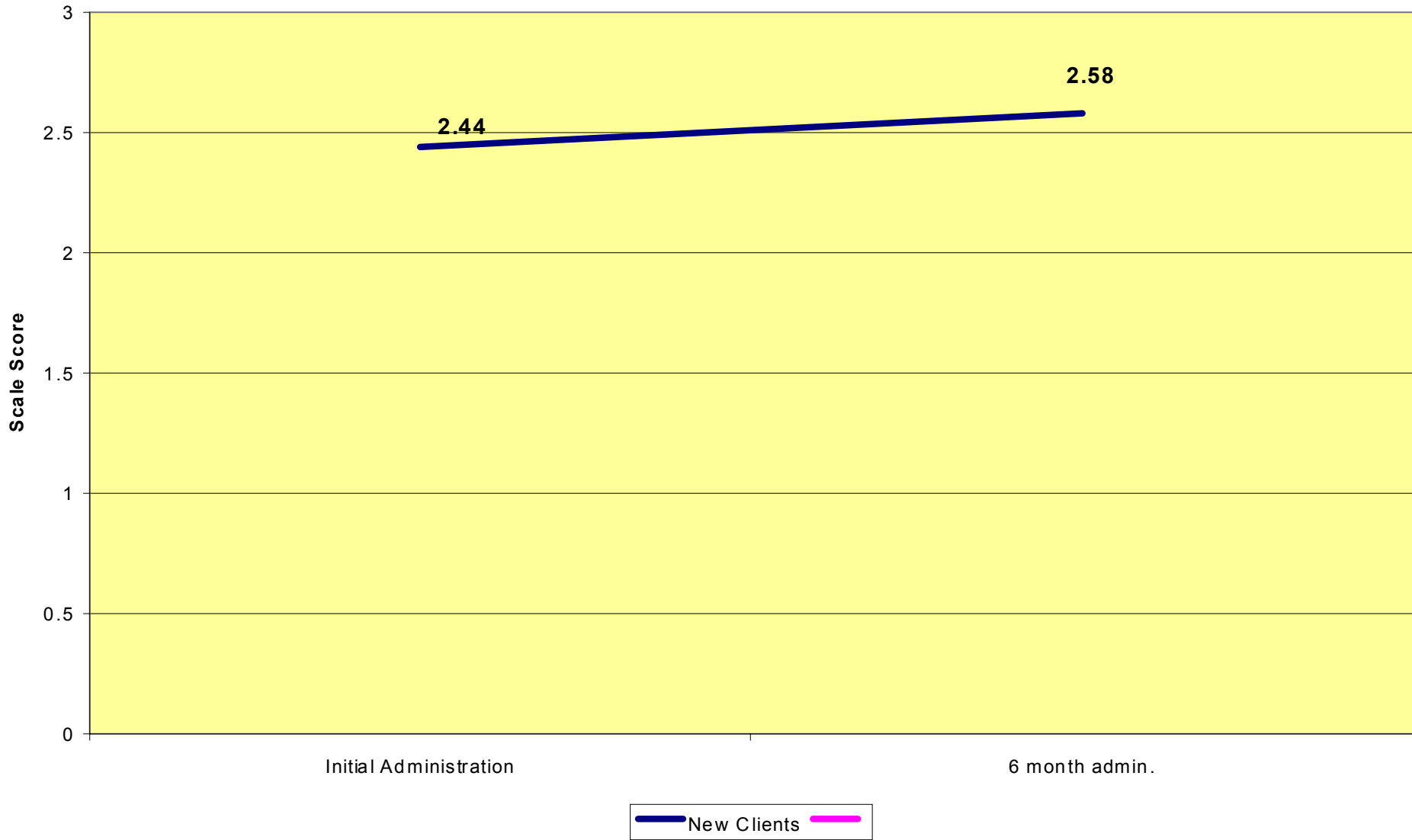
# Optimism and Control Over the Future Change



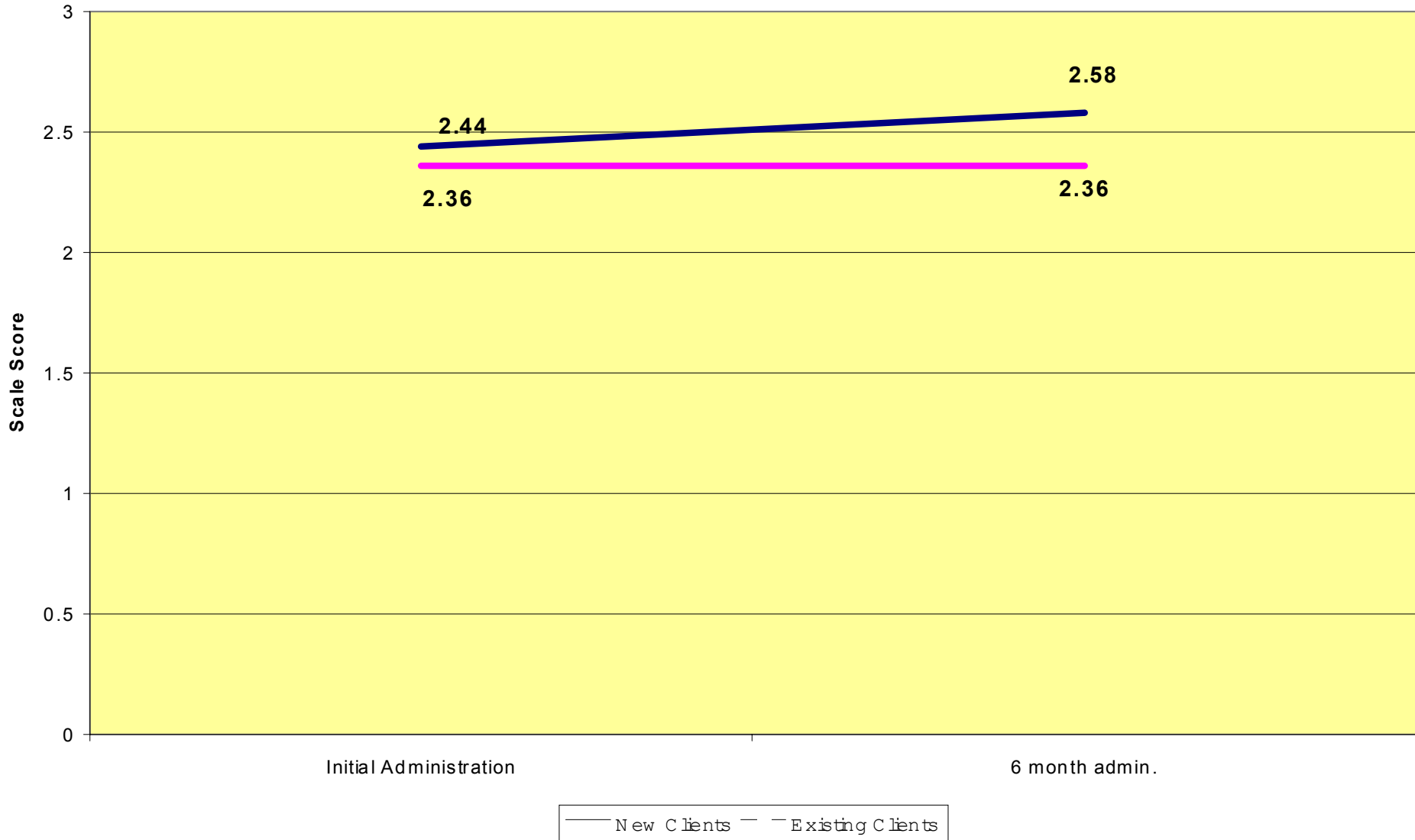
# Optimism and Control Over the Future Change



# Community Activism and Autonomy Change



# Community Activism and Autonomy Change



# Current & Future Activities

---

- ↪ **Clinical Use of Ohio Consumer Outcomes**
  - ◆ **Currently Available Reports**

# Standardized Reports

---

↪ **Summary of Client Responses**

↪ **Red Flag Report**

↪ **Strengths Report**

↪ **Client Trajectory Report**





# Standardized Reports

---

## ↳ *Summary of Client Responses*

- ◆ **This report shows a consumer's response to each item of the Outcomes instrument, broken out by domains, for the two most recent administrations.**

## ↳ *Red Flag Report*

- ◆ **This report provides a list of all items on the Summary report that had a double negative or negative response rating.**





# Adult Consumer Form A - Red Flag Report

MACSIS UCI:

Date of Birth: 02/08/1954

Admission Date: 06/12/2002

Provider ID:

Client Name: **Mary X**

Administration Date: 06/12/2002

**Consumer's Priority \***

## **Consumer responded most negatively to the following items:**

### *Empowerment*

Q47: When I make plans, I am almost certain to make them work.

## **Consumer responded negatively to the following items:**

### *Quality of Life*

Q1: How do you feel about the amount of friendship in your life?

Q2: How do you feel about the amount of money in your life?

Q3: How do you feel about how comfortable and well-off you are financially?

Q4: How do you feel about how much money you have to spend for fun?

Q5: How do you feel about the amount of meaningful activity in your life (such as work, school, volunteer activity, leisure activity)?

Q8: How do you feel about your personal safety?

### *Physical/Stigma*

Q14: Concerns about my medications (such as side effects, dosage, type of medication) are addressed:

### *Symptom Distress*

Q17: During the past 7 days, about how much were you distressed or bothered by nervousness or shakiness inside?

Q18: During the past 7 days, about how much were you distressed or bothered by

# Standardized Reports

---

## ↳ *Strengths Report*

- ◆ **This report shows a list of all items on the Summary report that have a positive or double positive response rating.**



# Adult Consumer Form A - Strengths Report

**Client Name:** Mary X  
**Administration Date:** 06/12/2002

**MACSIS UCI:**

**Date of Birth:** 02/08/1954

**Admission Date:** 06/12/2002

**Provider ID:**

**Consumer's Priority \***

## **Consumer responded most positively to the following items:**

### *Symptom Distress*

Q21: During the past 7 days, about how much were you distressed or bothered by spells of terror or panic?

Q23: During the past 7 days, about how much were you distressed or bothered by heavy feelings in arms or legs?

Q27: During the past 7 days, about how much were you distressed or bothered by feeling weak in parts of your body?

### *Empowerment*

Q35: People are only limited by what they think is possible.

Q57: I feel I am a person of worth, at least on an equal basis with others.

## **Consumer responded positively to the following items:**

### *Quality of Life*

Q6: How do you feel about the amount of freedom you have?

Q7: How do you feel about the way you and your family act toward each other?

Q9: How do you feel about the neighborhood in which you live?

Q10: How do you feel about your housing/living arrangements?

Q11: How do you feel about your health in general?

# Standardized Reports

- ***Strengths Report***

- This report shows a list of all items on the Summary report that have a positive or double positive response rating.

- ***Client Trajectory Report***

- This is a set of graphs with trend lines that plot an individual consumer's responses across time for each administration of the Outcomes inst





# Adult Consumer Form A

Client Name: Patricia Testfemale

Administration Period: 01/01/2003 to 06/01/2003

MACSIS UCI: 5555555

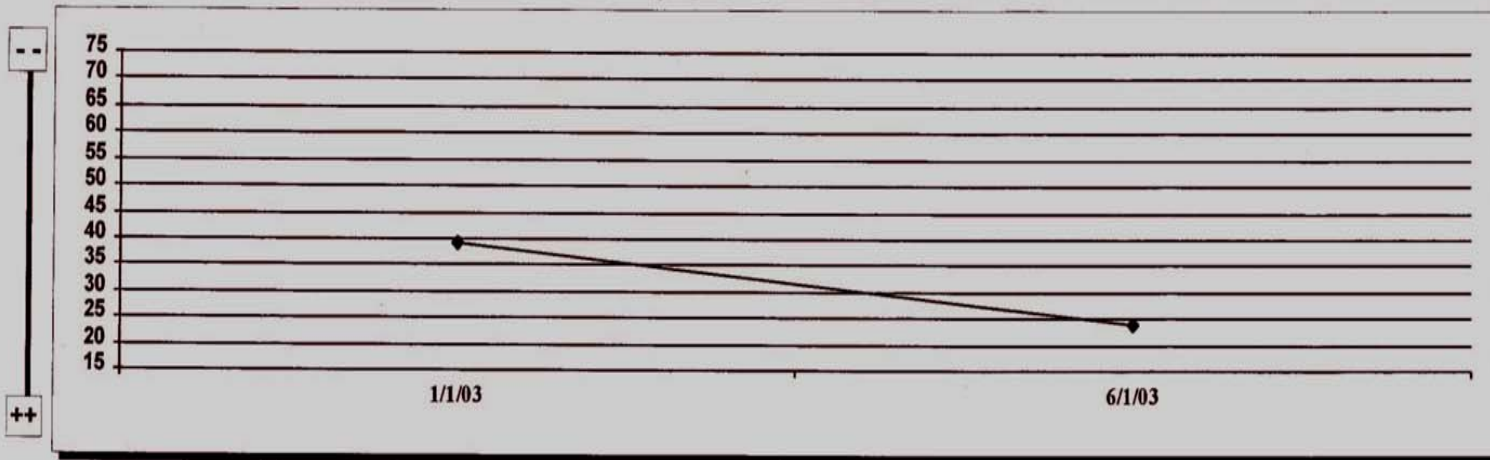
Date of Birth: 02/02/1965

Admission Date: 01/01/2003

Provider ID: 12346

## Symptom Distress Scale

symptom distress scale



# Point of View System

---

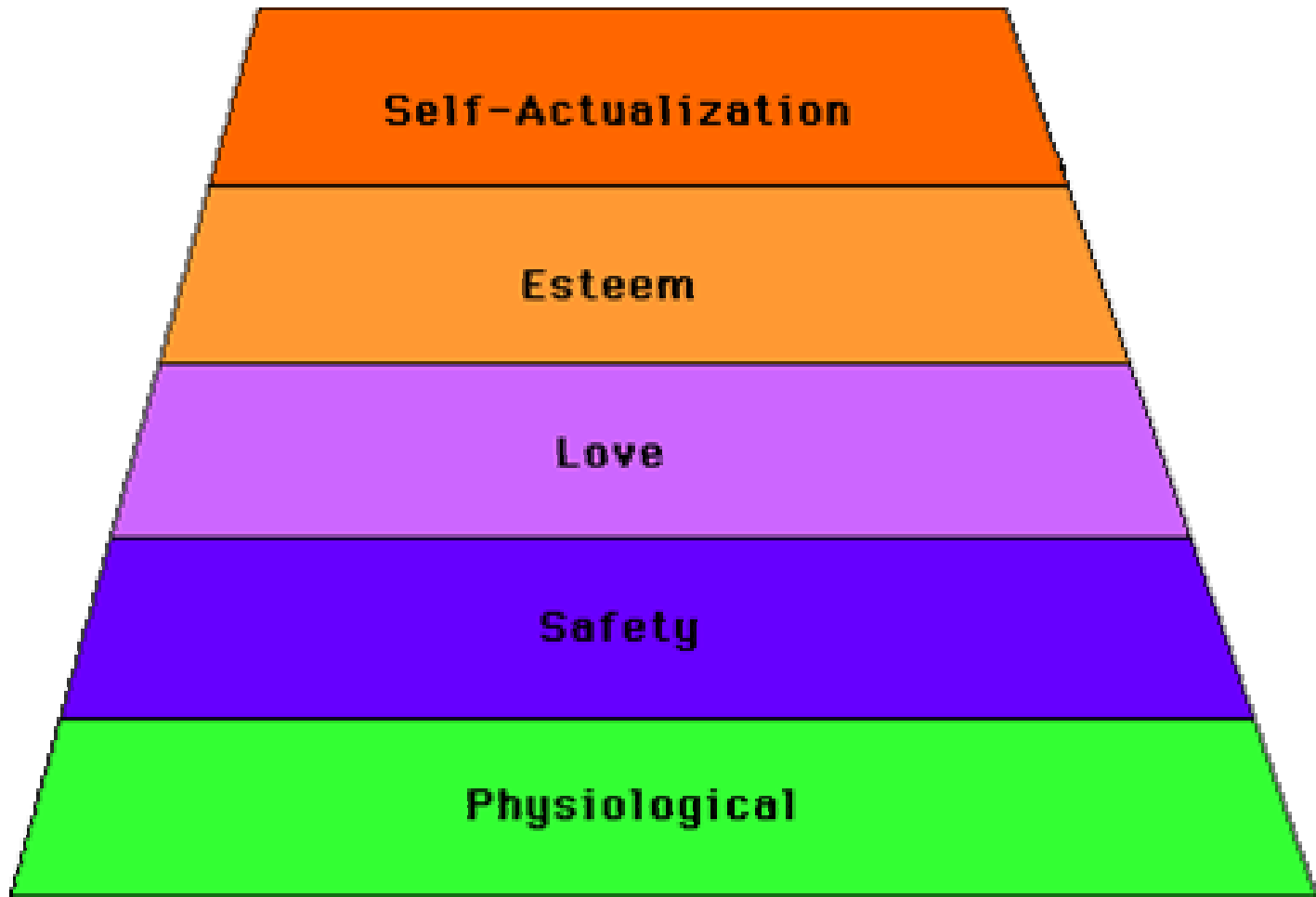
- ↪ Generates reports listing items receiving the most negative and most positive scores



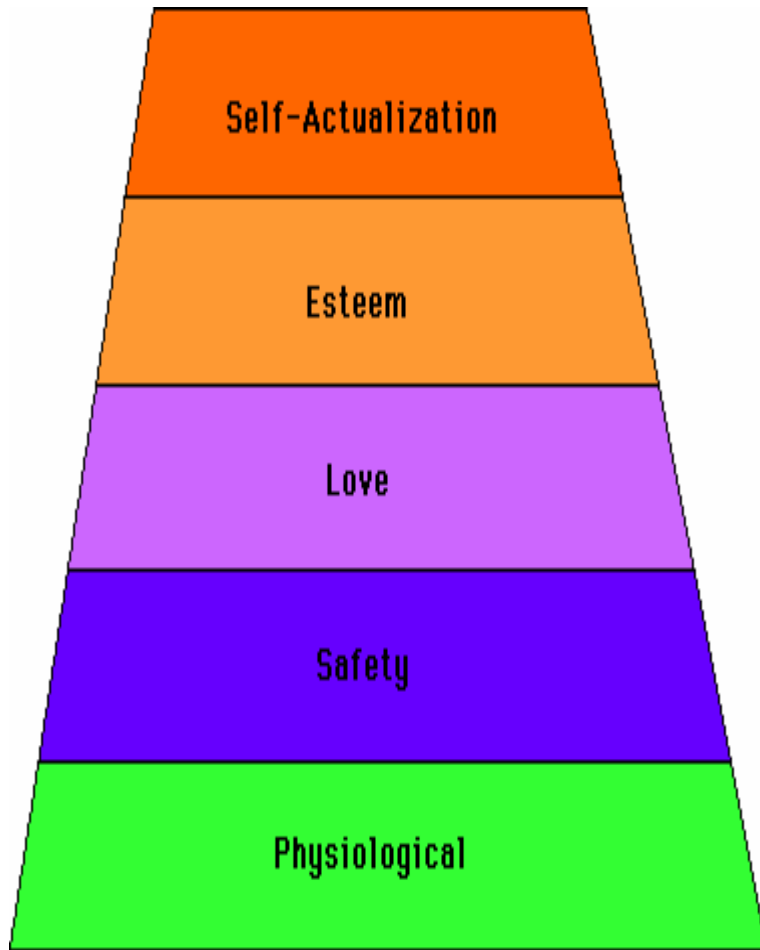




# Maslow's Hierarchy

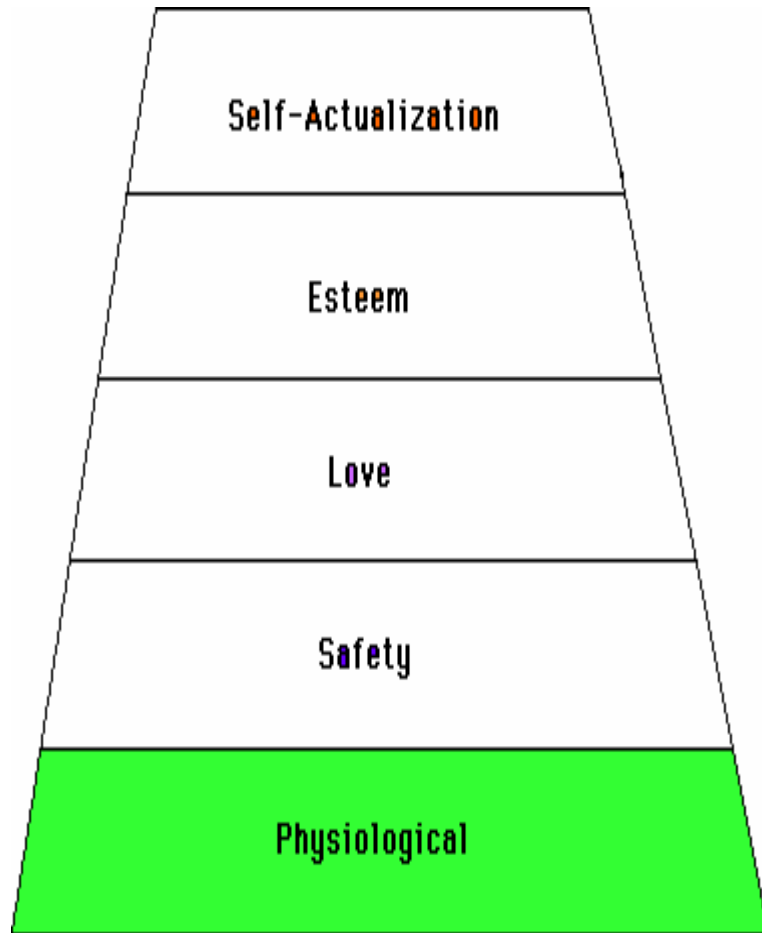


# Maslow's Hierarchy / Recovery Components



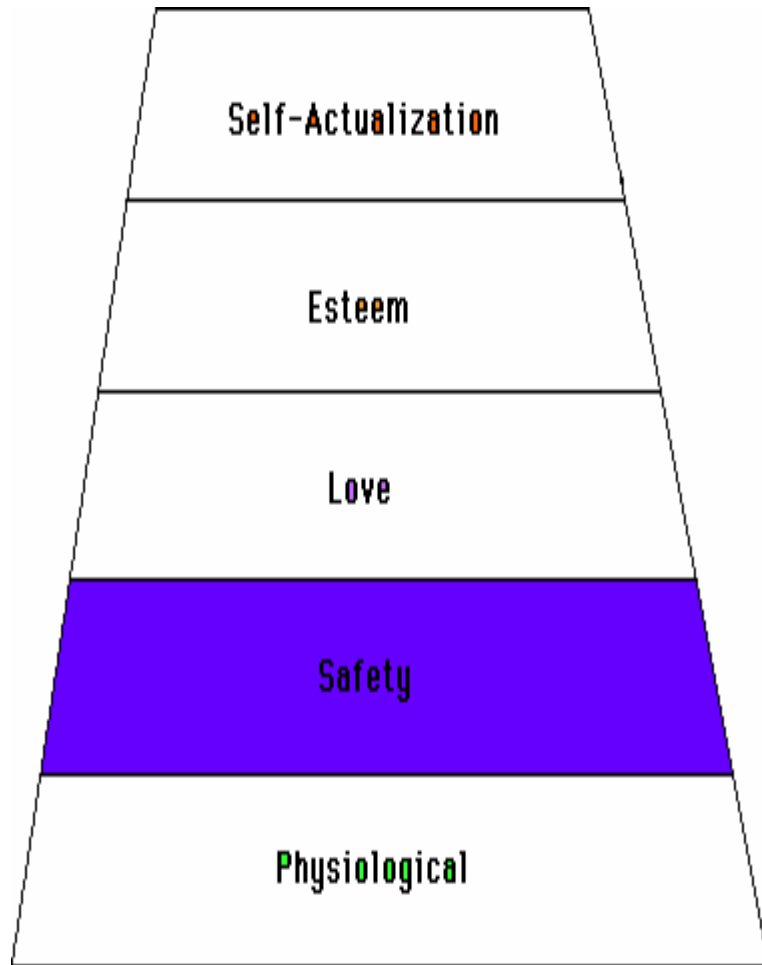
- **Hope**
- **Medication**
- **Empowerment**
- **Self-esteem/efficacy**
- **Support (family, friends)**
- **Education/Knowledge**
- **Self-help/self-care**
- **Spirituality**
- **Clinical Care**
- **Work/meaningful activity**
- **Power & control**
- **Stigma**
- **Community involvement**
- **Access to resources**
- **Physical health**

# Maslow's Hierarchy / Recovery Components



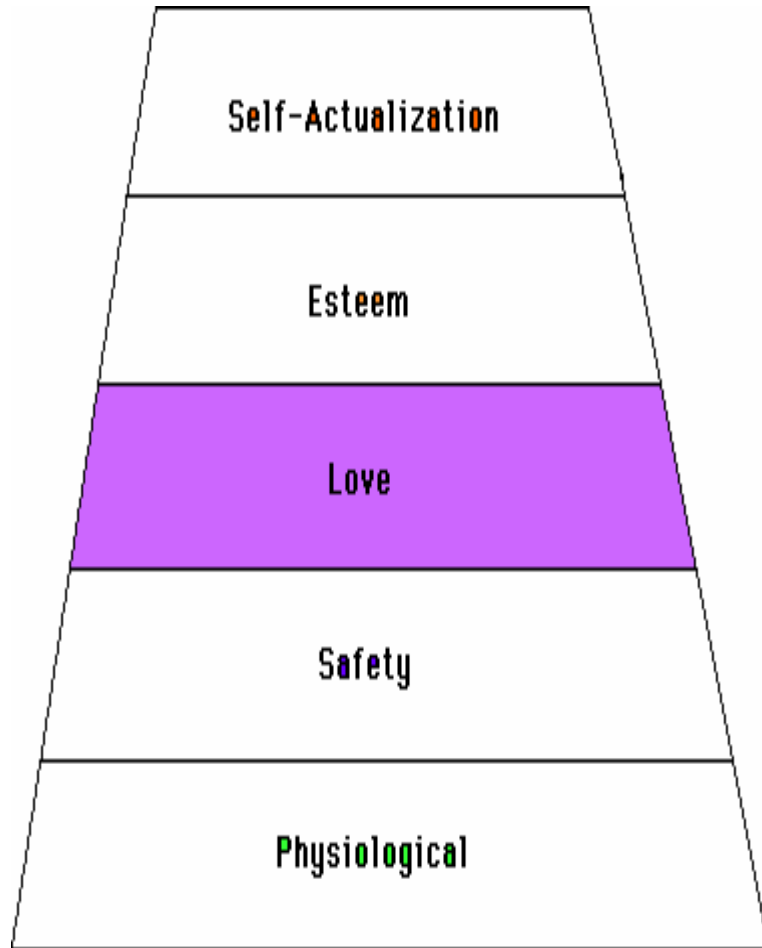
- Hope
- **Medication**
- Empowerment
- Self-esteem/efficacy
- Support (family, friends)
- Education/Knowledge
- **Self-help/self-care**
- Spirituality
- **Clinical Care**
- Work/meaningful activity
- Power & control
- Stigma
- Community involvement
- Access to resources
- **Physical health**

# Maslow's Hierarchy / Recovery Components



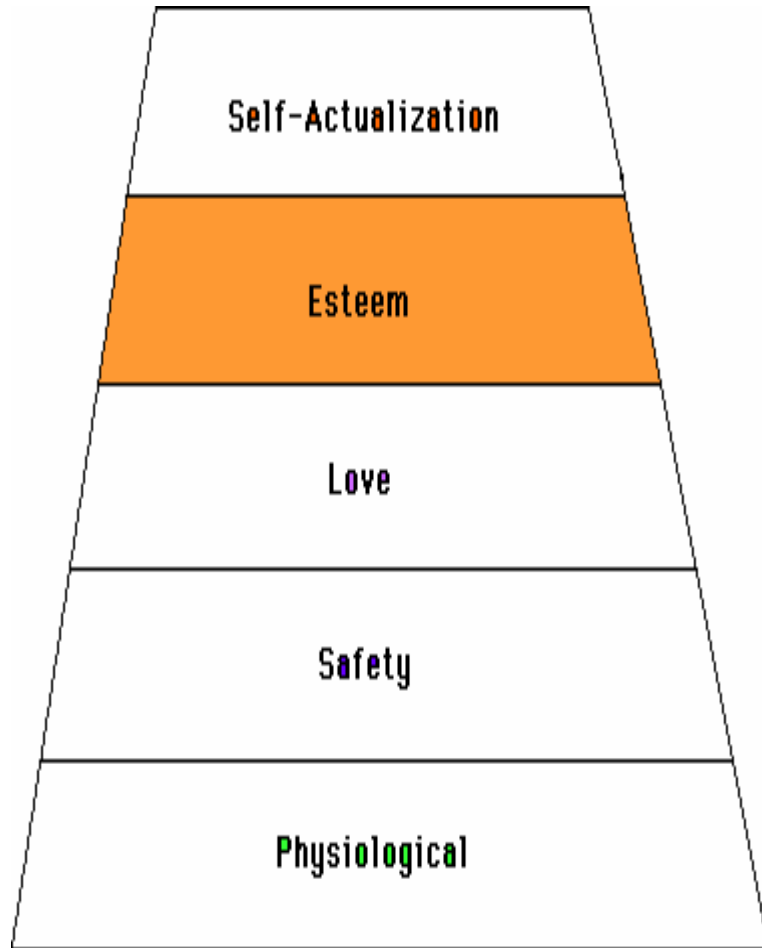
- **Hope**
- Medication
- Empowerment
- Self-esteem/efficacy
- Support (family, friends)
- Education/Knowledge
- Self-help/self-care
- Spirituality
- Clinical Care
- Work/meaningful activity
- Power & control
- Stigma
- Community involvement
- **Access to resources**
- Physical health

# Maslow's Hierarchy / Recovery Components



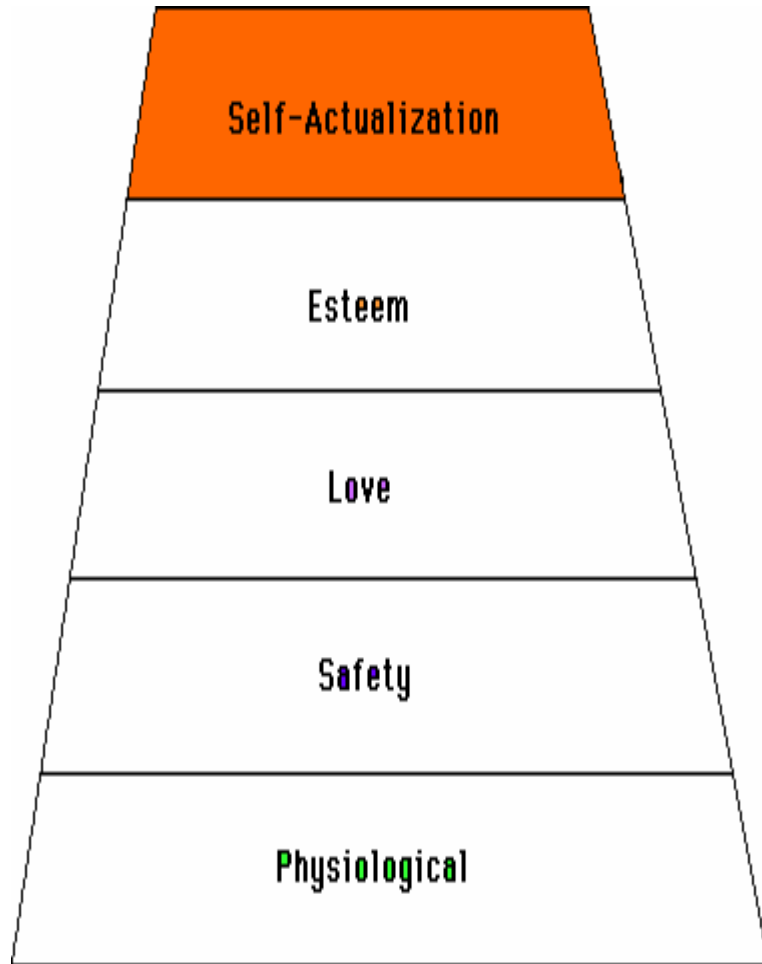
- Hope
- Medication
- Empowerment
- Self-esteem/efficacy
- **Support (family, friends)**
- Education/Knowledge
- Self-help/self-care
- Spirituality
- Clinical Care
- Work/meaningful activity
- Power & control
- Stigma
- **Community involvement**
- Access to resources
- Physical health

# Maslow's Hierarchy / Recovery Components



- Hope
- Medication
- **Empowerment**
- **Self-esteem/efficacy**
- Support (family, friends)
- **Education/Knowledge**
- Self-help/self-care
- Spirituality
- Clinical Care
- **Work/meaningful activity**
- **Power & control**
- **Stigma**
- Community involvement
- Access to resources
- Physical health

# Maslow's Hierarchy / Recovery Components



- Hope
- Medication
- Empowerment
- Self-esteem/efficacy
- Support (family, friends)
- Education/Knowledge
- Self-help/self-care
- **Spirituality**
- Clinical Care
- Work/meaningful activity
- Power & control
- Stigma
- Community involvement
- Access to resources
- Physical health

# Resources & Contact Info

---

- ↪ ODMH Outcomes Website  
<http://www.mh.state.oh.us/initiatives/outcomes/outcomes.html>
- ↪ Outcomes & Recovery Blending (ORB) Website  
<http://www.orbohio.com>
- ↪ Hamilton County Recovery Website  
<http://www.mhrecovery.com/>
- ↪ Dr. Erik Stewart (**Director of Quality Assurance**)  
[ErikS@hamilton.mh.state.oh.us](mailto:ErikS@hamilton.mh.state.oh.us)
- ↪ Renee Kopache (Recovery Coordinator)  
[Reneek@hamilton.mh.state.oh.us](mailto:Reneek@hamilton.mh.state.oh.us)

2350 Auburn Ave.; Cincinnati, OH 45219  
(513) 946-8600

