



System of Care / High Fidelity Wraparound

**Descriptive, Fidelity, and Outcomes Data
in Pennsylvania**

*Intake – 12 months – 24 months Outcomes
September 2016*



pennsylvania
SYSTEM OF CARE PARTNERSHIP

Presentation Overview

- **The Youth And Families We Serve**
 - ▶ General Descriptive Data on 726 youth and families from 13 System of Care counties
 - ▶ Additional Descriptive Data on 122 youth and families from 13 System of Care counties
- **Fidelity**
 - ▶ 425 youth and families across 15 counties (one has two providers) implementing High Fidelity Wraparound
- **Outcomes**
 - ▶ 12 and 24 month outcomes on 122 youth and families from 13 System of Care counties
 - ▶ *Note: The sample size varies depending on the length of time that youth and families have been enrolled.*

Data was collected from July 2011 – September 2016 from the CMHS National Evaluation - Enrollment and Demographic Information Form (EDIF); from October 2012 – September 2016 from the CMHS National Evaluation - Longitudinal Outcomes and Satisfaction Study; and from November 2013 – September 2016 from the Wraparound Fidelity Index – Short Form (WFI-EZ).

The Data Profile Report (DPR) for the PA SOC Partnership is produced by the CMHS National Evaluation Team and adapted by the PA System of Care Partnership Evaluation Team. The report is based on data collected by PA SOC Partner Counties as part of the evaluation of the Comprehensive Community Mental Health Services for Children and Their Families Program. Data collection for the program is complete; thus, results presented in this report represent the final results of this study.

This report was developed under grant number SM061250 from the Substance Abuse and Mental Health Services Administration (SAMHSA), U.S. Department of Health and Human Services (HHS). The views, policies, and opinions expressed are those of the authors and do not necessarily reflect those of SAMHSA or HHS.

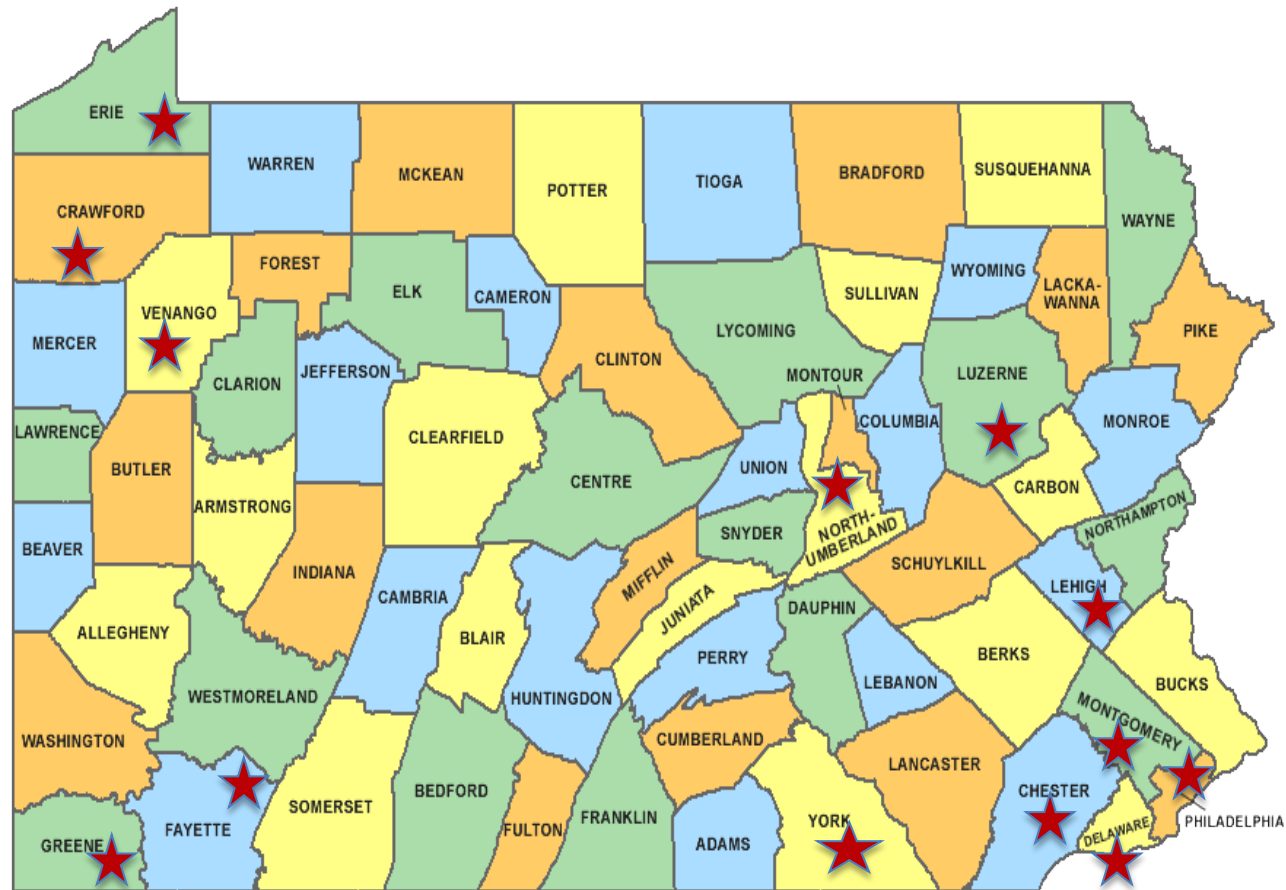


THE YOUTH AND FAMILIES WE SERVE...

Descriptive Data

- 726 youth enrolled in the Descriptive (EDIF) Study
- 13 Counties

- ▶ Chester
- ▶ Crawford
- ▶ Delaware
- ▶ Erie
- ▶ Fayette
- ▶ Greene
- ▶ Lehigh
- ▶ Luzerne
- ▶ Montgomery
- ▶ Northumberland
- ▶ Philadelphia
- ▶ Venango
- ▶ York

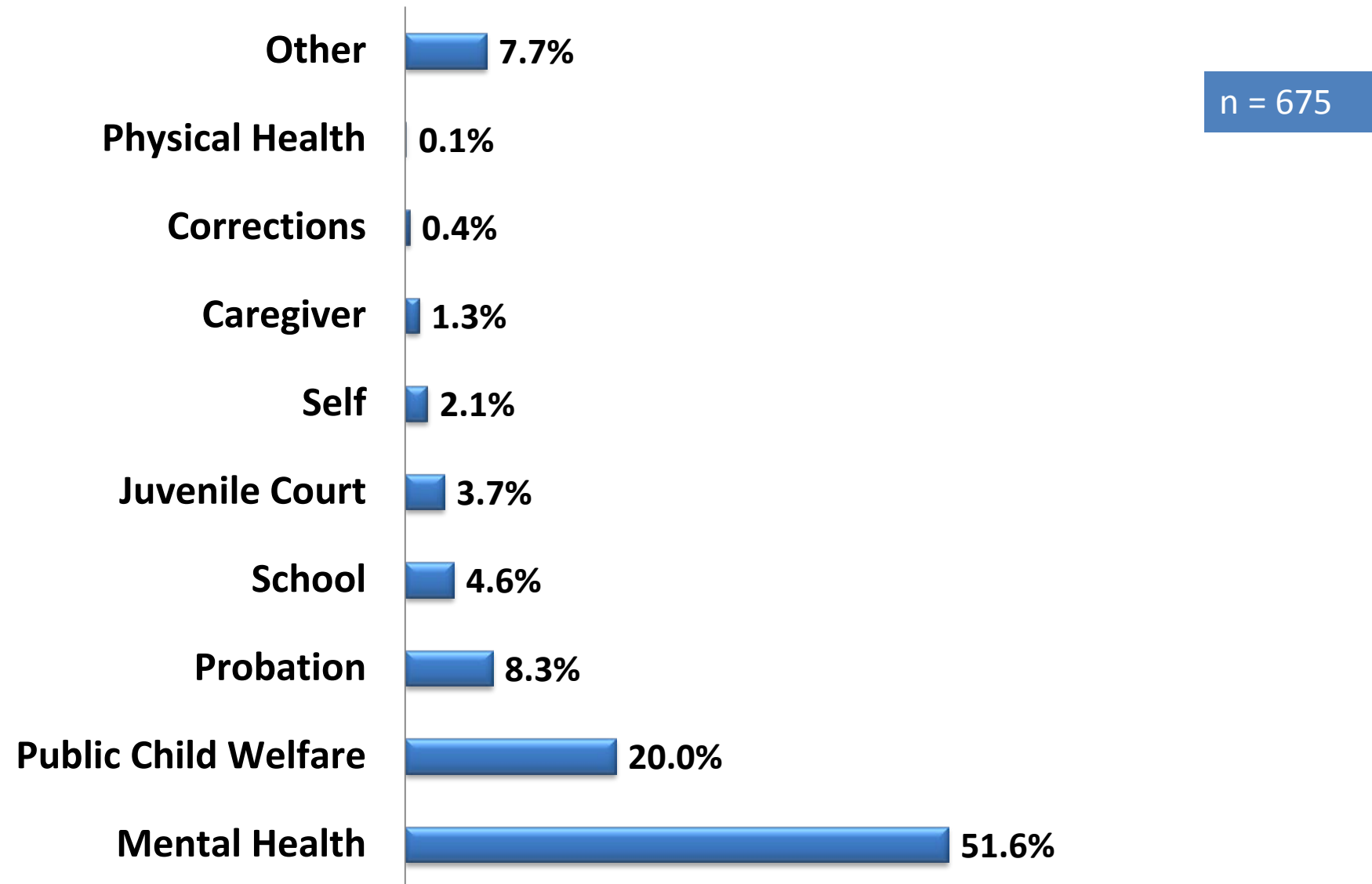




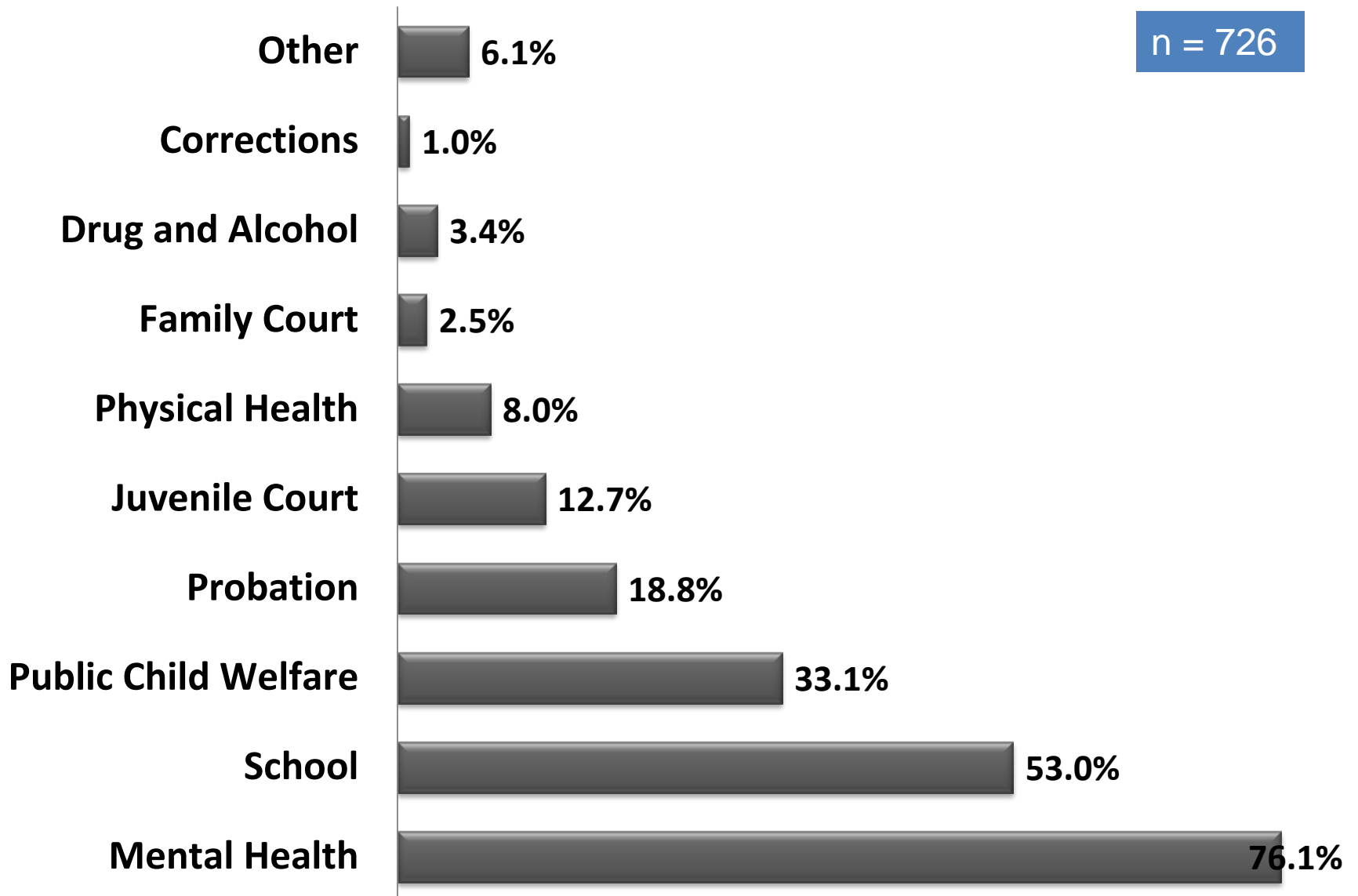
Basic Demographics

	PA Summary
Youth	726
Age	14.2 years (average)
Gender	53.0% Male 46.8% Female 0.2% Transgender
Race/ Ethnicity	58.5% Caucasian 23.1% Black/African American 13.5% Hispanic/Latino 4.1% Multi-racial 0.6% Asian 0.1% American Indian or Alaska Native

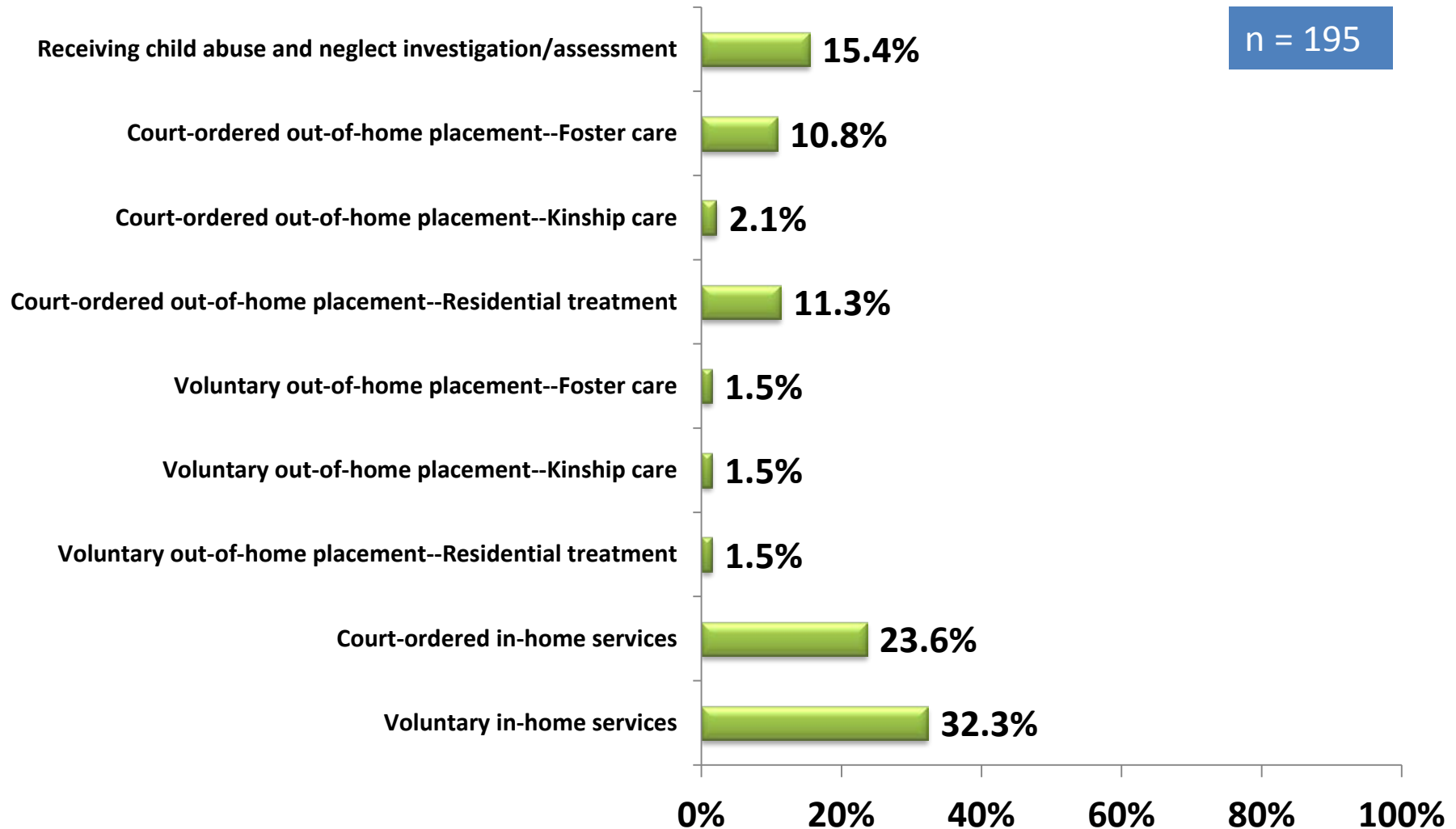
Referral Source



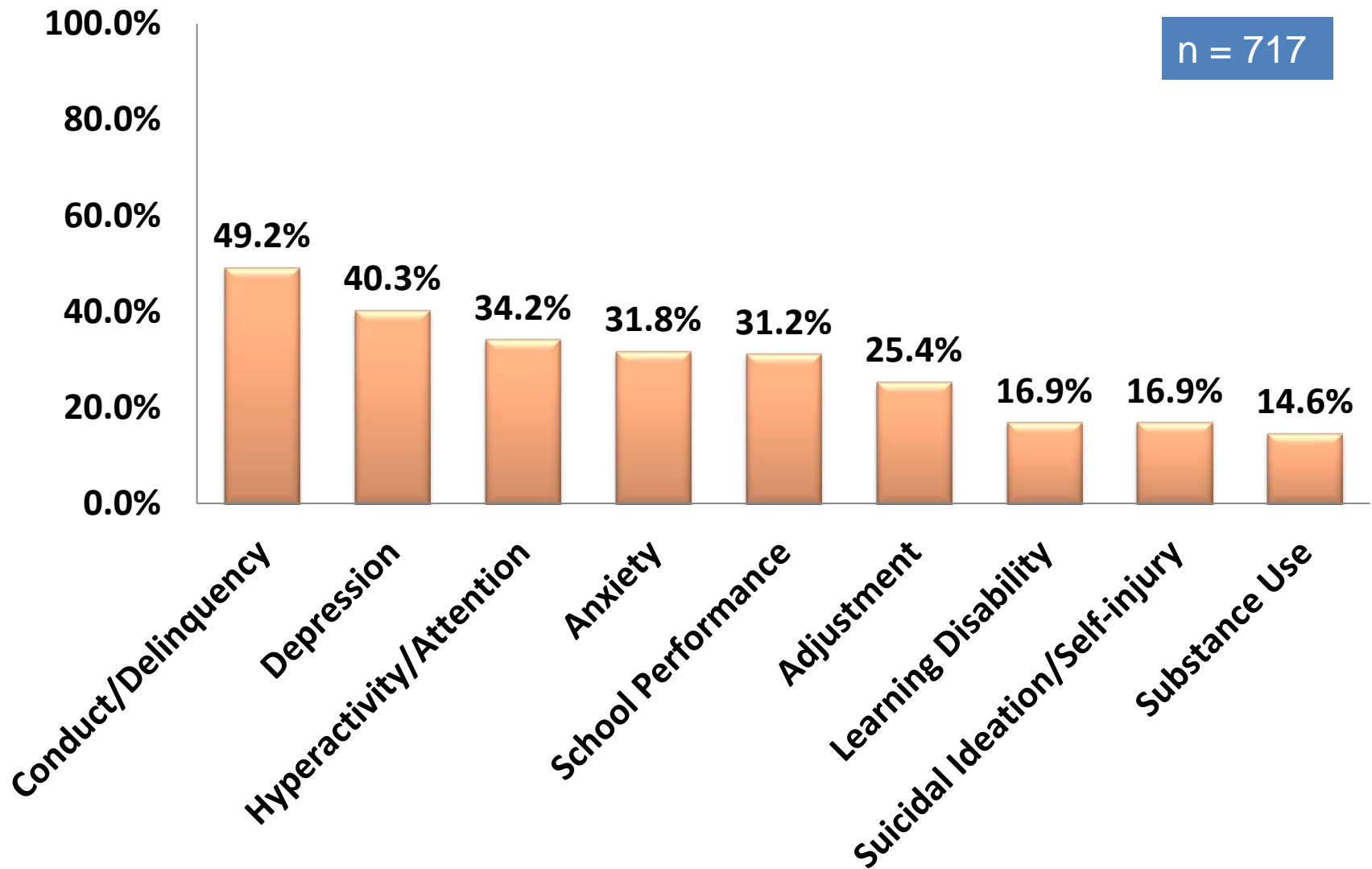
System Involvement



• Child Welfare Involvement



Presenting Issues

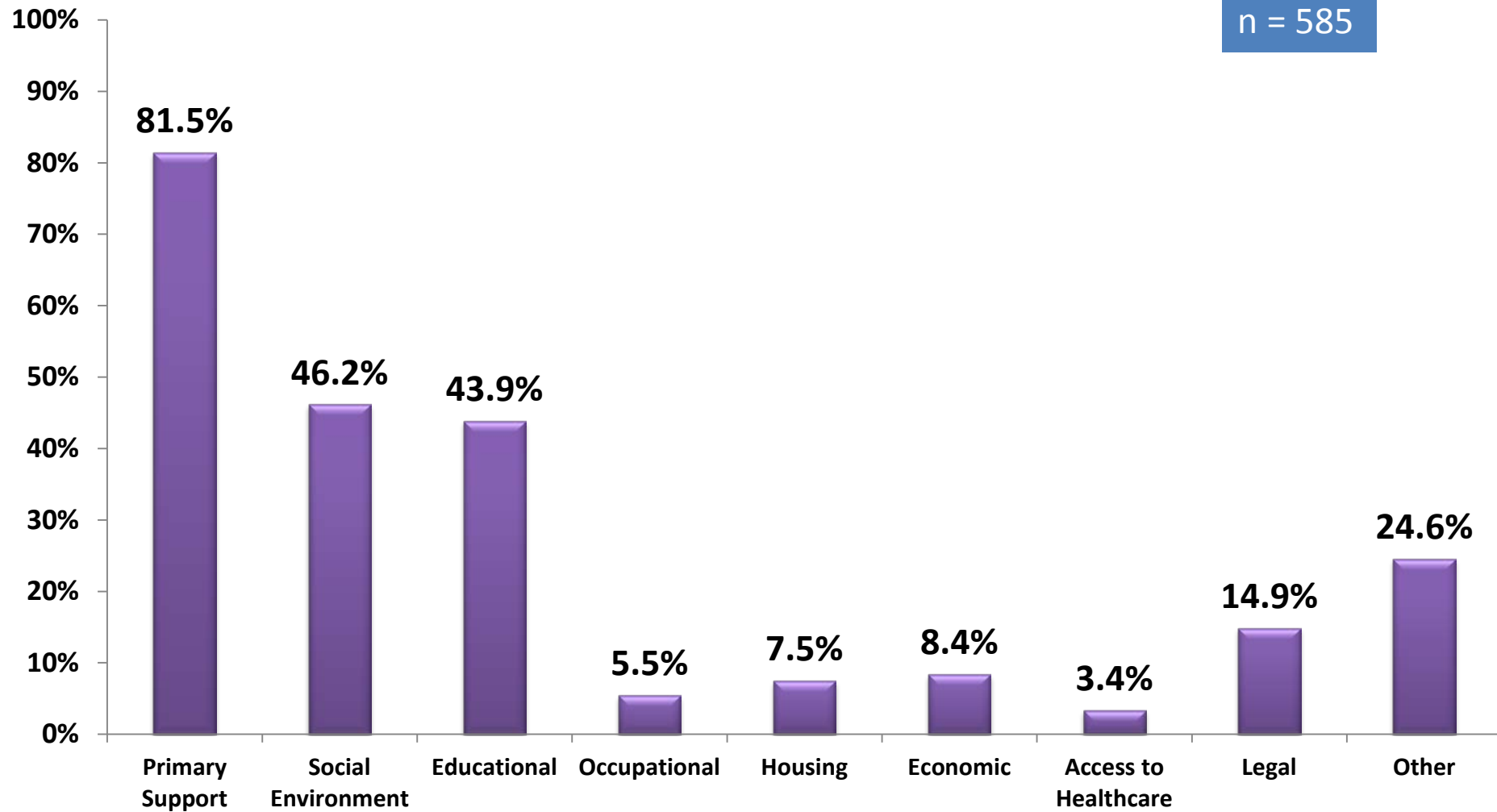


Mental Health Diagnoses

n=621

	PA Counties
Mood Disorders	53.8%
Attention-Deficit/Hyperactivity	43.2%
Oppositional Defiant Disorder	25.6%
PTSD and Acute Stress Disorder	12.2%
Anxiety Disorders	10.8%
Pervasive Developmental Disorder	9.5%
Impulse Control	9.0%
Adjustment Disorders	7.6%
Conduct Disorders	5.6%
Substance Use Disorder	4.5%

• Psychosocial and Environmental Problems

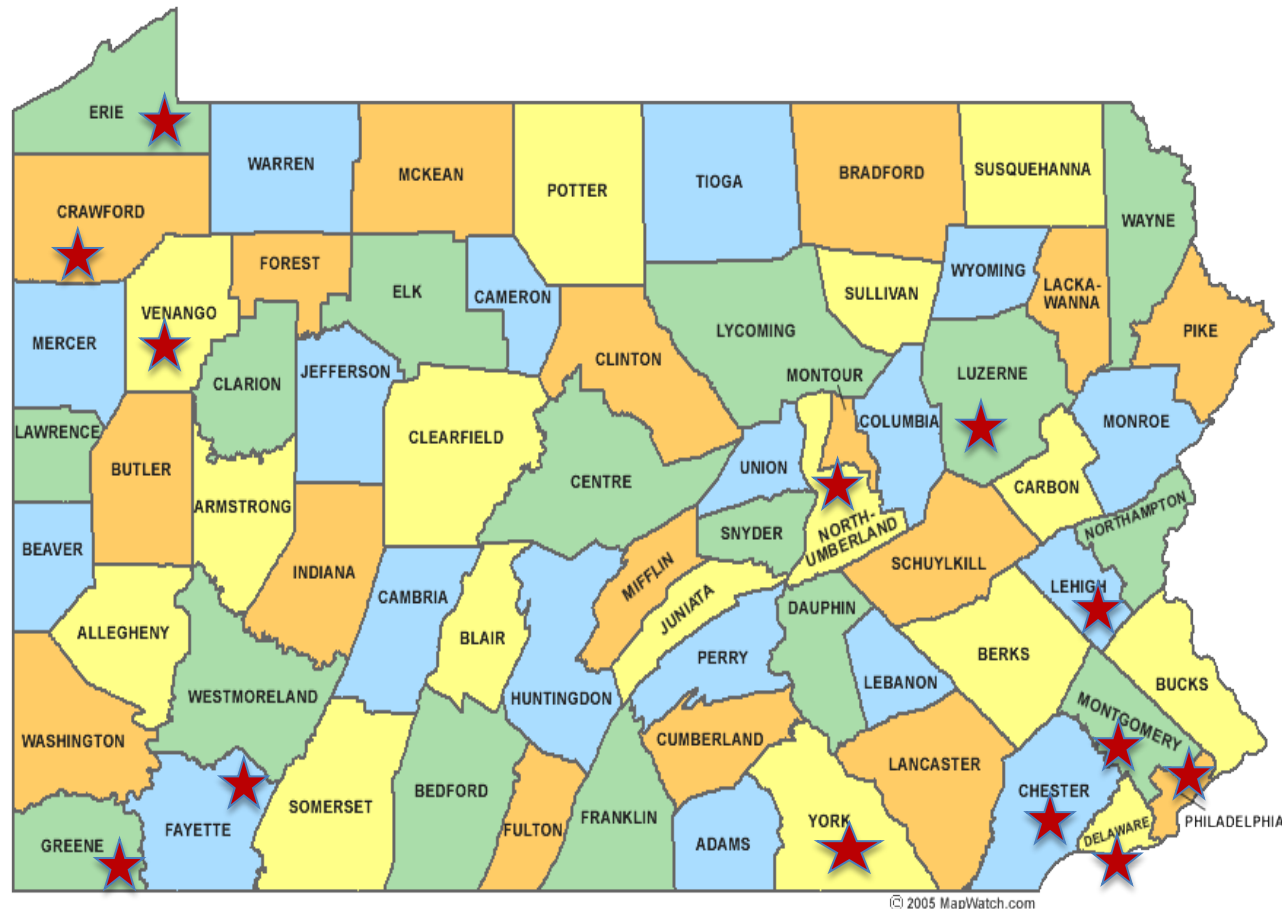


Digging Deeper – Descriptive Data

- **122 youth/caregivers enrolled in the Longitudinal Outcomes and Satisfaction Study**

- **13 Counties**

- ▶ Chester
- ▶ Crawford
- ▶ Delaware
- ▶ Erie
- ▶ Fayette
- ▶ Greene
- ▶ Lehigh
- ▶ Luzerne
- ▶ Montgomery
- ▶ Northumberland
- ▶ Philadelphia
- ▶ Venango
- ▶ York



Economic Data at Intake

Family/Household Annual Income

Family Income (n = 106)	
Less Than \$5,000	11.3%
\$5,000–\$9,999	10.4%
\$10,000–\$14,999	17.9%
\$15,000–\$19,999	11.3%
\$20,000–\$24,999	6.6%
\$25,000–\$34,999	8.5%
\$35,000–\$49,999	14.2%
\$50,000–\$74,999	10.4%
\$75,000–\$99,999	5.7%
\$100,000 and Over	3.8%

Poverty Level

If family income is less than the poverty threshold, they are "below poverty", if income is 1 to 1.5 times the threshold, they are "at/near poverty", and if income is more than 1.5 times the threshold, they are "above poverty". In 2013, the poverty threshold for a family of four residing in the 48 contiguous States was \$23,550.

Income Level

**54.2% Below the poverty level
16.7% At/near the poverty level
29.1% Above the poverty level**

Caregiver Employment at Intake

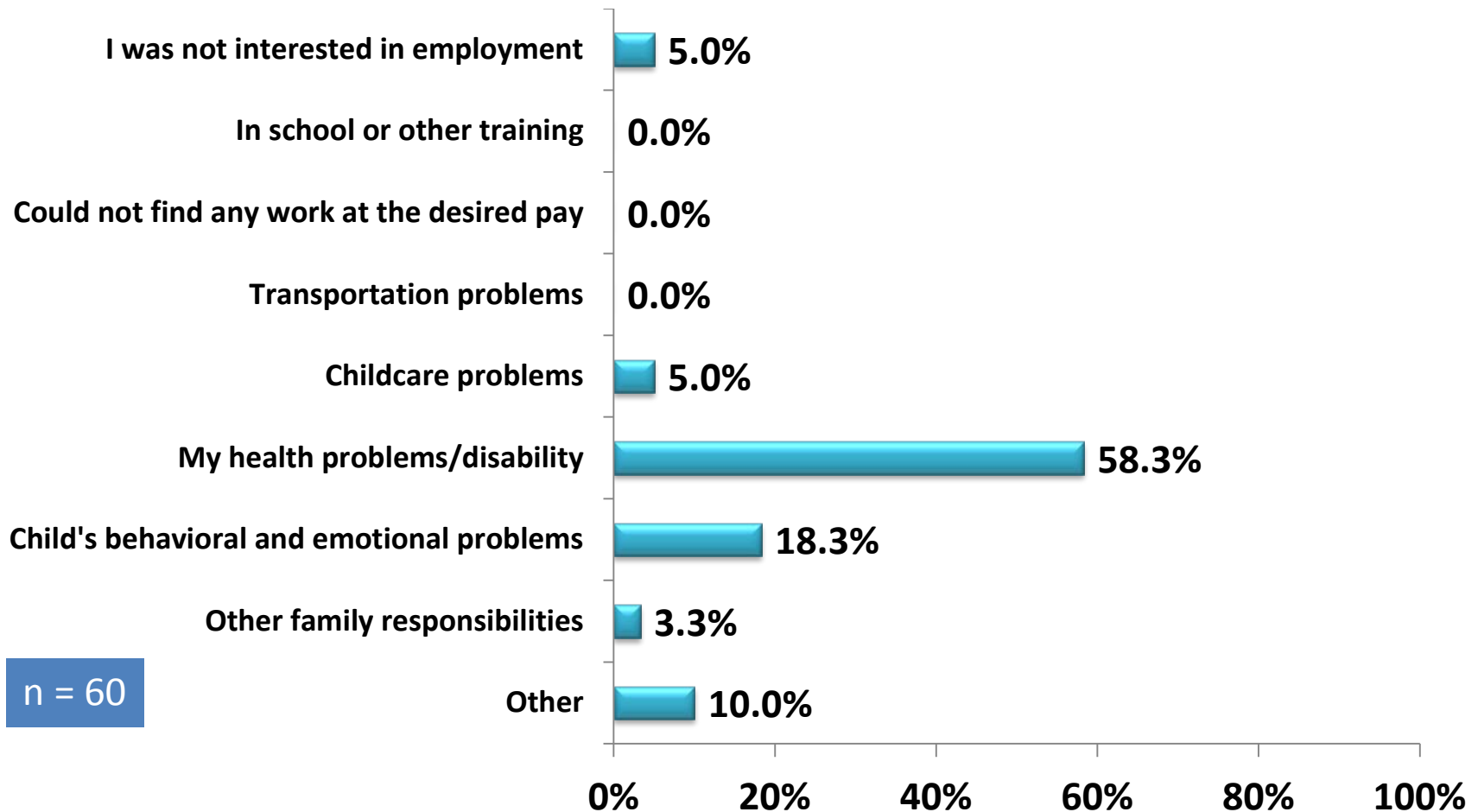
41.9% of caregivers were employed in the last 6 months

n = 105

Average Hours Worked Per Week in the Past 6 Months

38.8 (n = 44)

Primary reasons for not working...



n = 60

• Youth Employment at Intake

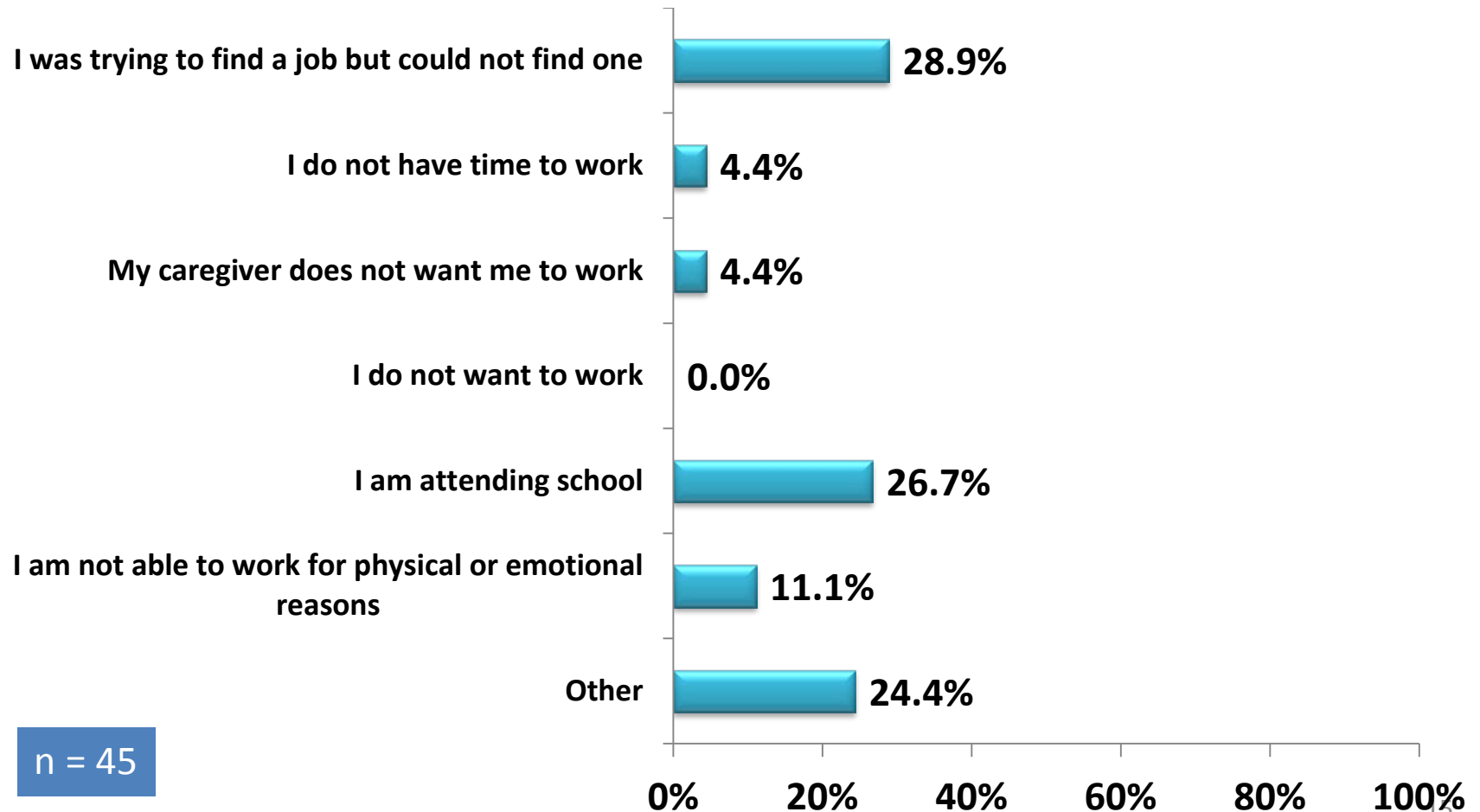
30.3% of youth were employed in the last 6 months

n = 99

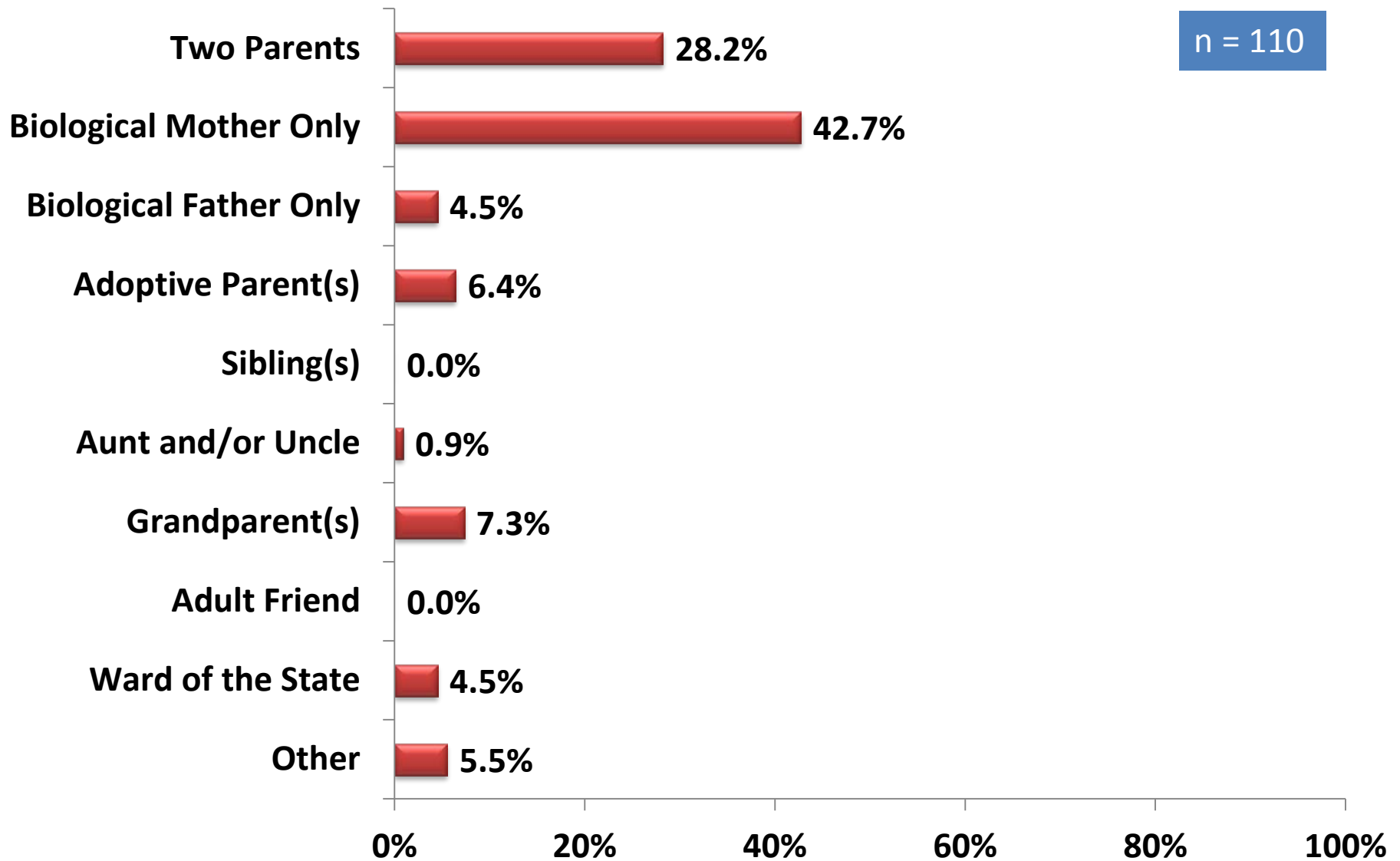
Average Hours Worked Per Week in the Past 6 Months

13.4 (n = 28)

Primary reasons for not working...



Custody Status at Intake

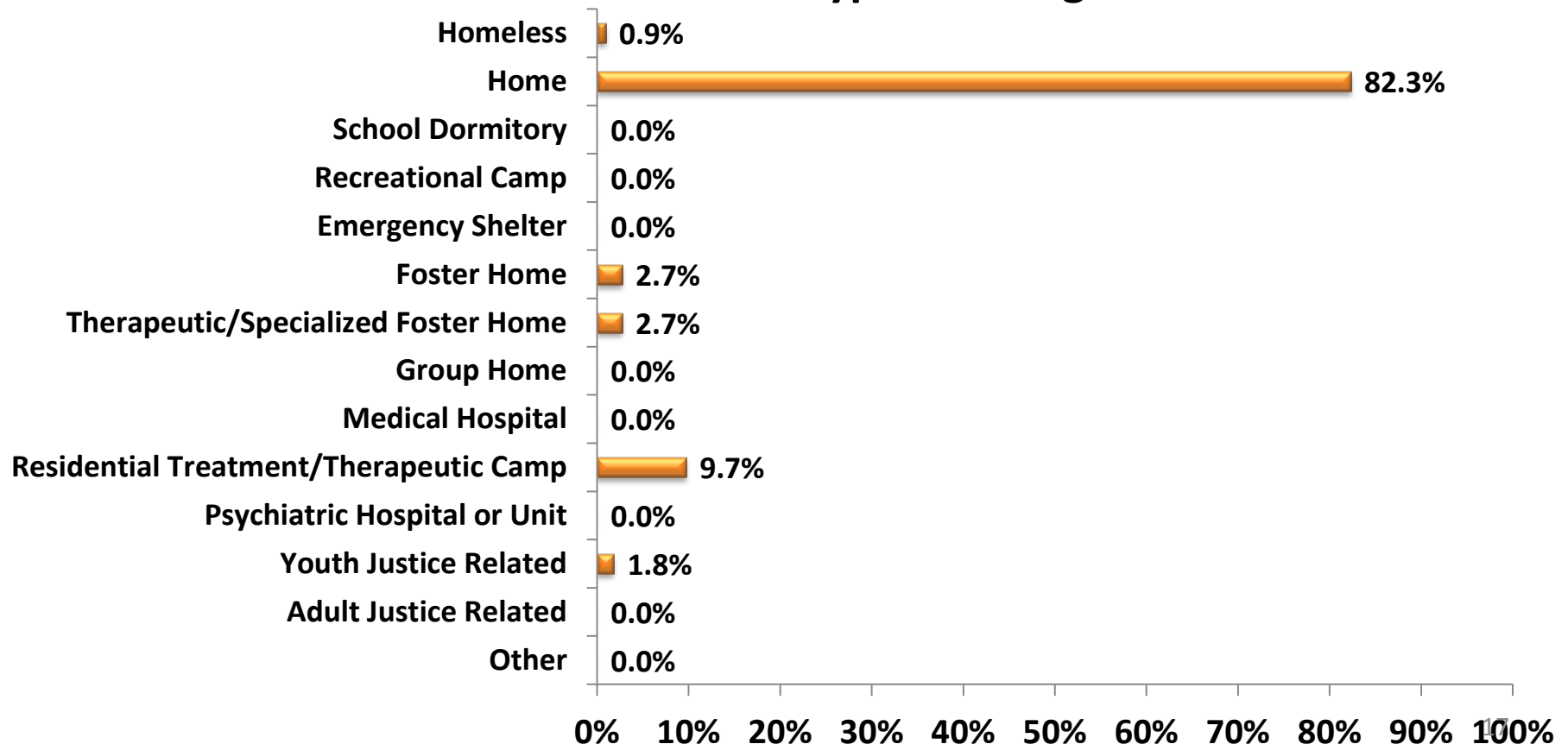


• Living Situations in the 6 months before Intake

Youth Lives With...

	Biological Family	Adoptive Family	Non-Parent Relative	Non-Relative	Independent Living
(n = 113)	64.6%	4.4%	21.2%	16.8%	2.7%

Type of Living Situation



Youth Gender Identity and Sexual Orientation

Gender Identity (n=98)	
Male	54.1%
Female	44.9%
Transgender (male to female)	0.0%
Transgender (female to male)	0.0%
I don't know/I'm not sure	1.0%
Other	0.0%
Sexual Orientation (n=96)	
Heterosexual/straight (attracted only to persons of the opposite sex)	80.2%
Mostly heterosexual/straight (attracted mostly to persons of the opposite sex)	1.0%
Bisexual (attracted to both males and females)	10.4%
Mostly homosexual/gay or lesbian (attracted mostly to persons of the same sex)	1.0%
Homosexual/gay or lesbian (attracted only to persons of the same sex)	0.0%
Other	2.1%
I don't know/I am not sure	4.2%
I don't understand this question	1.0%



Family History of Mental Health and Substance Abuse

n = 108

- **83% of caregivers reported a family history of depression**
- **66% of caregivers reported a family history of mental illness, other than depression**
- **67% of caregivers reported a family history of substance abuse**

Youth Trauma Exposure at Intake

n = 110

Witnessed domestic violence	63.3%
Experienced physical assault	33.6%
Experienced sexual assault	19.1%
Run away	36.4%
Had substance abuse problems	20.9%
Attempted suicide	20.2%

Data reported were collected using the Caregiver Information Questionnaire–Intake (CIQ–I).

Complex System Involvement at Intake

- **45.5%** of youth had recurring or chronic **physical health** problems. (n=110)
 - **86.0%** of youth took **medication** because of physical health problems. (n=50)
 - **32.0%** of youth's **regular activities are disrupted** due to recurring or chronic physical health problems. (n=50)
- **34.2%** of youth have **lived in more than one location/setting** during the 6 months before starting HFW. (n=79)
- **48%** of youth have received **Special Education Services**. (n=104)
- **71.0%** of youth have an **Individualized Education Plan (IEP)**. (n=107)
- **33.3%** of youth have been **suspended or expelled** from school. (n=105)
- **51%** of youth reported some type of **criminal justice contact** and **57%** reported engaging in some type of illegal behavior prior to starting HFW. (n=99)
- **61%** of youth reported **using at least one substance** prior to starting HFW. (n=96)
 - **12.3** was the average age of first using alcohol (n=39) and cigarettes (n=44)
 - **13.3** was the average age of first using marijuana(n=38) and pain killers (n=12)
- **38.4%** of youth report that they have been **bullied** in their school or neighborhood and **15.3%** reported that they experienced online bullying or threats. (n=99)
- Families receive an average of **6.6 different types of services** (support, inpatient, or outpatient) in the 6 months prior to starting HFW. (n=110)



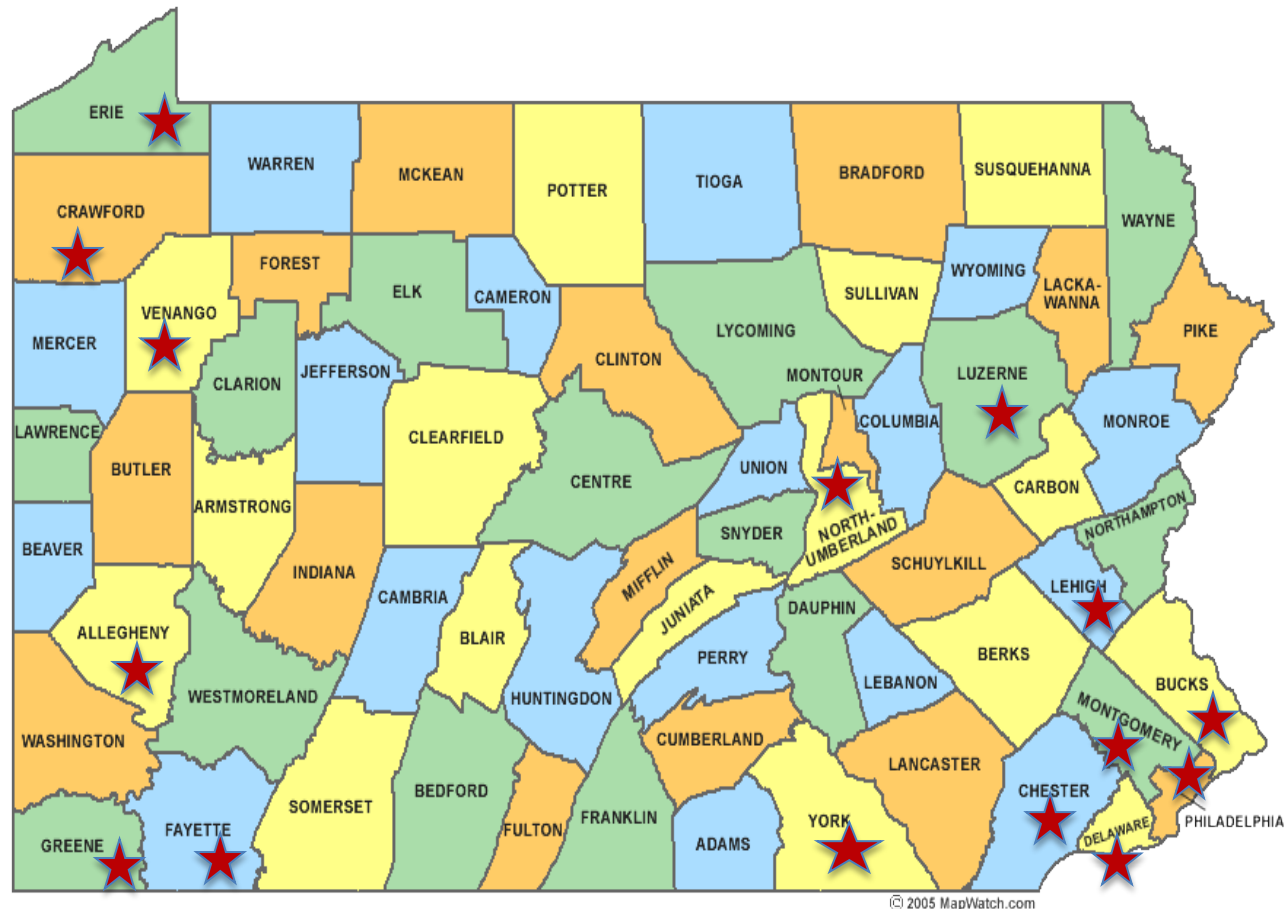
FIDELITY TO THE MODEL...

Fidelity Data

- 425 families were enrolled in the Wraparound Fidelity Index-Short Form (WFI-EZ)

- 15 Counties

- ▶ Allegheny
- ▶ Bucks
- ▶ Chester
- ▶ Crawford
- ▶ Delaware
- ▶ Erie
- ▶ Fayette
- ▶ Greene
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- HFW Team Perspectives – Number of Forms

Fidelity data are collected from all team members two times during the High Fidelity Wraparound process:

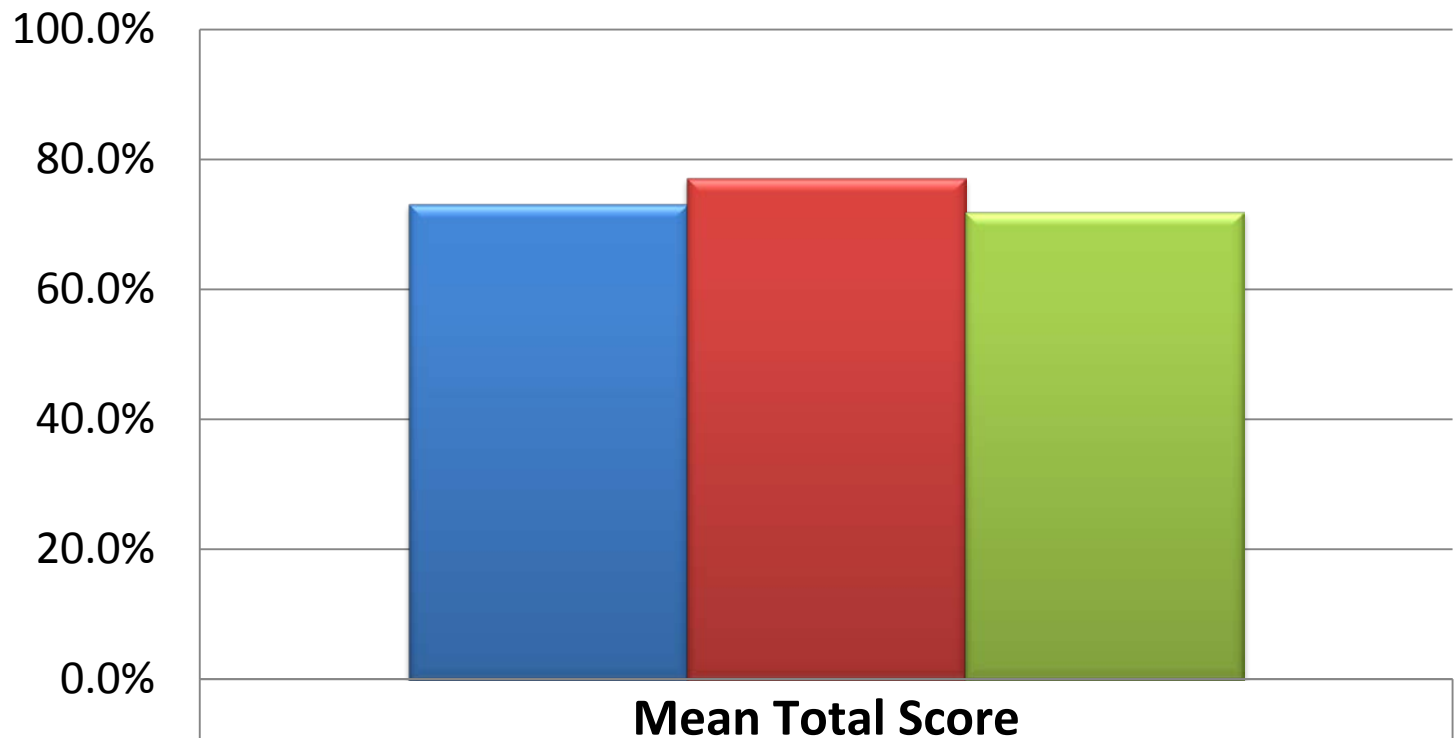
- 1. 90 days after enrollment*
- 2. At “Transition” or graduation from the process*

	Youth	Caregiver	Facilitator	Team Member	Total Forms
PA 90-Day (272 families)	165	275	248	615	1303
PA Transition (153 families)	83	127	141	299	650



Fidelity

• Mean Total Fidelity Scores



■ PA 90 Day (n=272)

73.2%

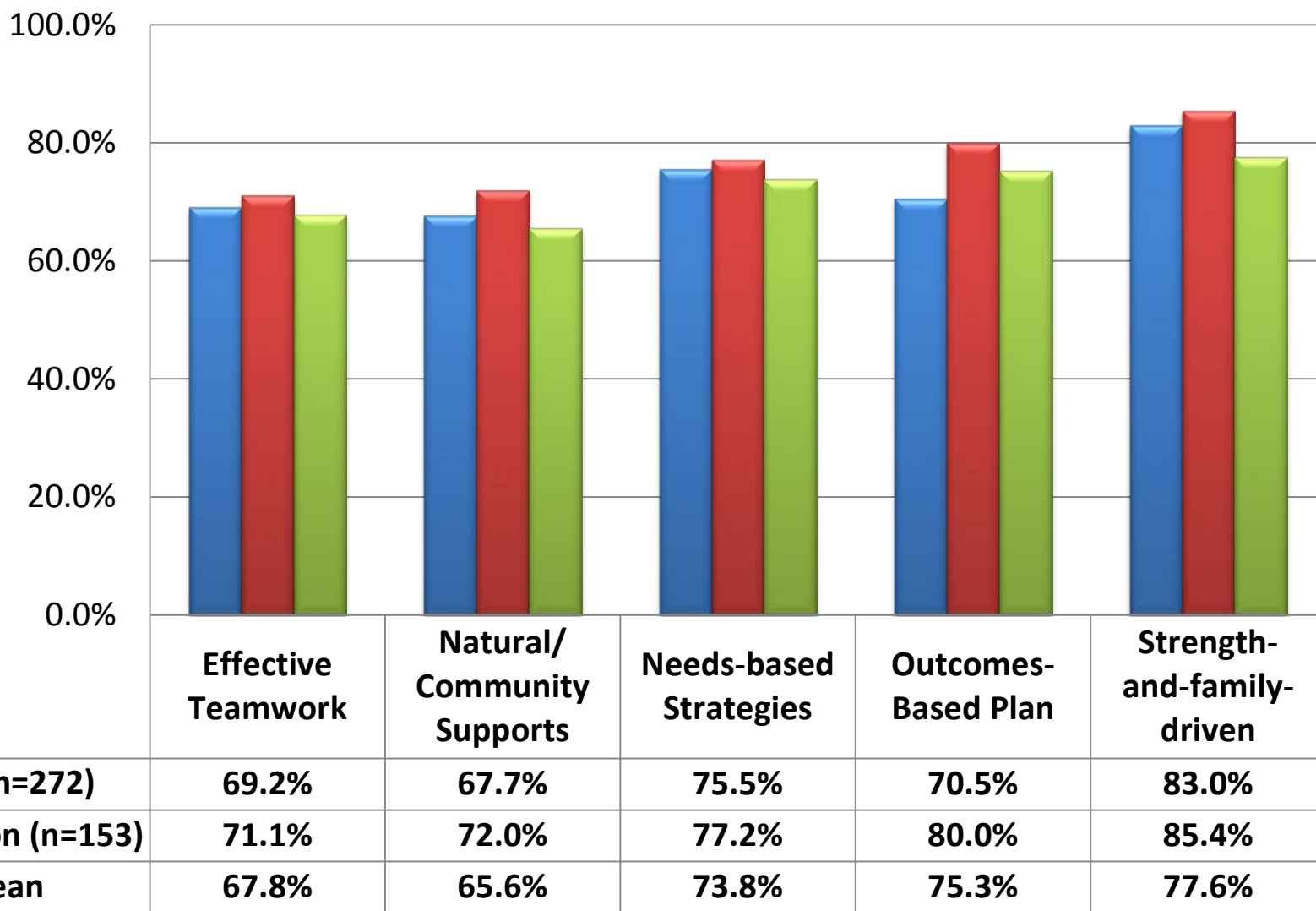
■ PA Transition (n=153)

77.2%

■ National Mean

72.0%

Five Key Element Fidelity Scores



County Mean Fidelity Scores

County	90 Day Mean Fidelity Score	Transition Mean Fidelity Score
County 1	80.6% ★	n/a
County 2	79.7% ★	83.1% ★
County 3	79.2% ★	n/a
County 4	79.1% ★	80.4% ★
County 5	77.8% ★	73.2% ★
County 6	77.5% ★	83.7% ★
County 7	77.4% ★	88.6% ★
County 8	76.5% ★	82.1% ★
County 9	73.4% ★	79.8% ★
County 10	72.6% ★	77.6% ★
County 11	72.2% ★	78.5% ★
County 12	69.7%	72.1% ★
County 13	66.2%	78.6% ★
County 14	66.1%	70.8%
County 15	65.0%	66.0%

National Mean Fidelity Score: 72.0%

County Mean Satisfaction Scores

**National Mean
Satisfaction Scores:**

**Caregivers: 79.96%
Youth: 76.69%**

County	90 Day Mean Satisfaction Score	Transition Mean Satisfaction Score
County 1	97.8% ★	n/a
County 2	87.5% ★	77.7% ★
County 3	86.8% ★	85.9% ★
County 4	85.3% ★	72.5%
County 5	83.2% ★	88.0% ★
County 6	83.2% ★	87.0% ★
County 7	82.1% ★	87.1% ★
County 8	81.0% ★	91.0% ★
County 9	78.8% ★	n/a
County 10	78.3% ★	86.9% ★
County 11	76.2%	87.9% ★
County 12	73.6%	80.2% ★
County 13	72.9%	96.9% ★
County 14	72.8%	88.3% ★
County 15	72.1%	83.5% ★



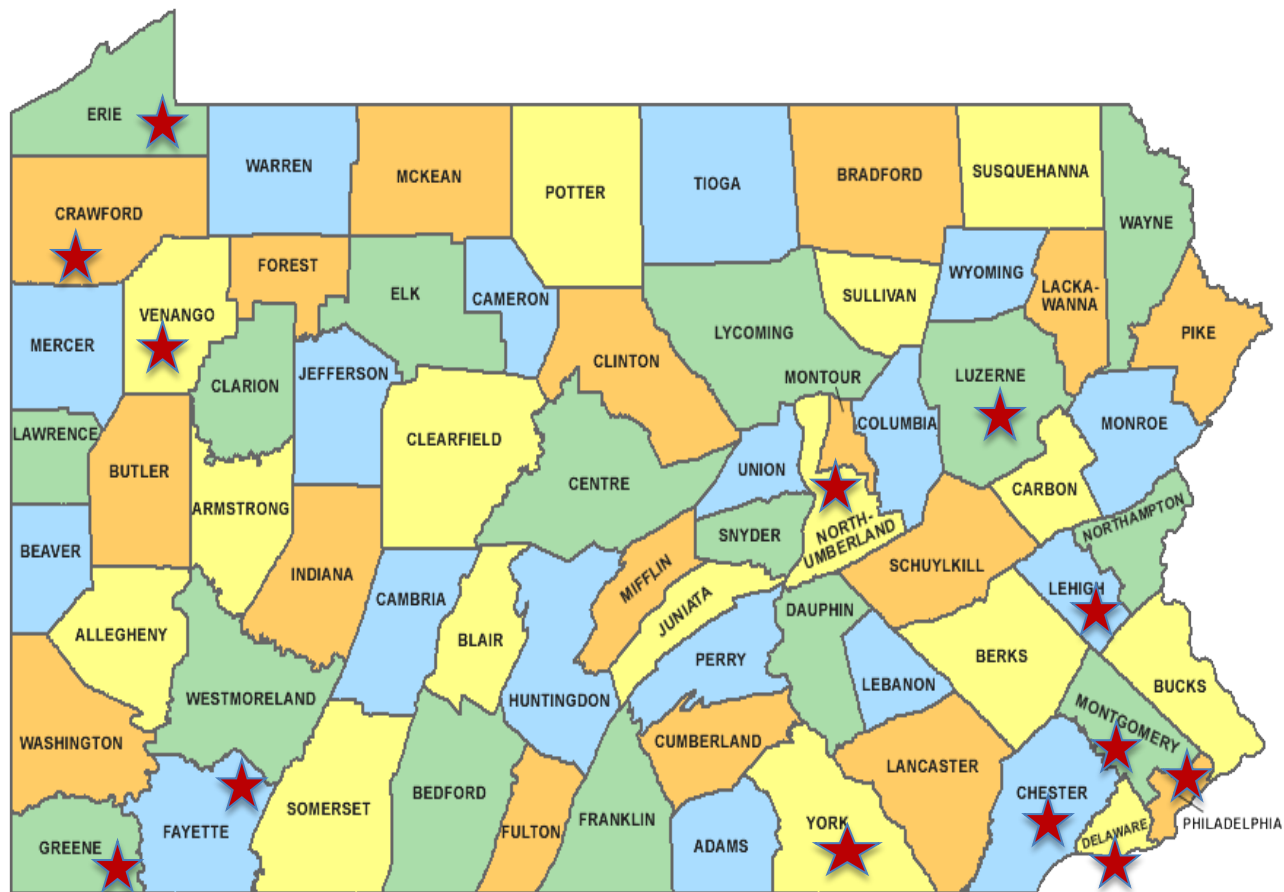
OUTCOMES...

Outcomes Data

- **122 youth/caregivers enrolled in the Longitudinal Outcomes and Satisfaction Study**

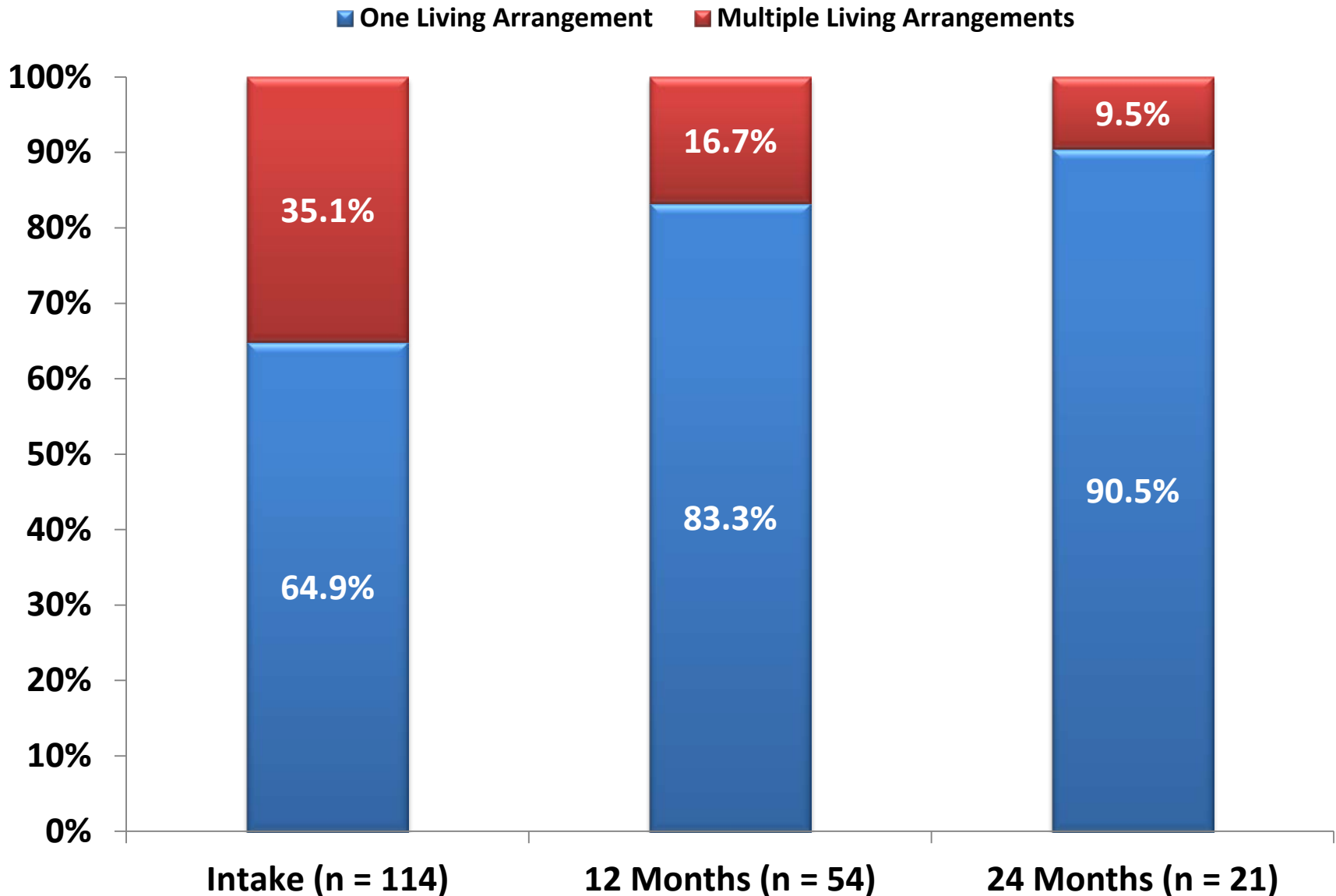
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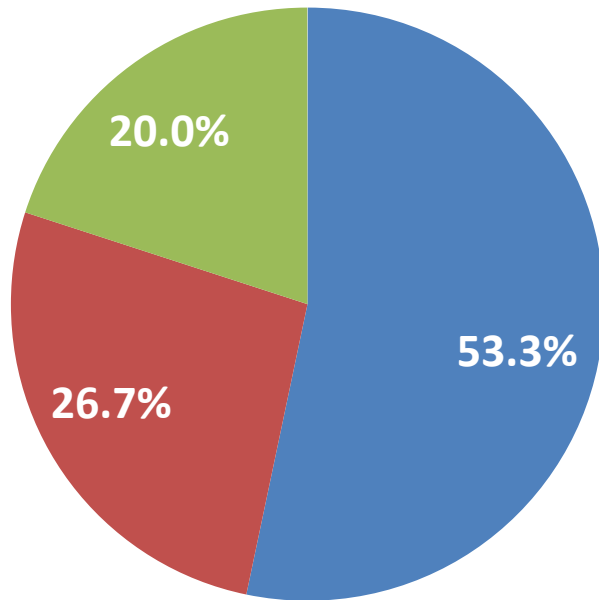
A Stable Place to Live



Data reported were collected using the Living Situations Questionnaire (LSQ). This instrument collects data on the status of the child/family in the 6 months prior to the interview.

Change in School Attendance and Performance at 24 months

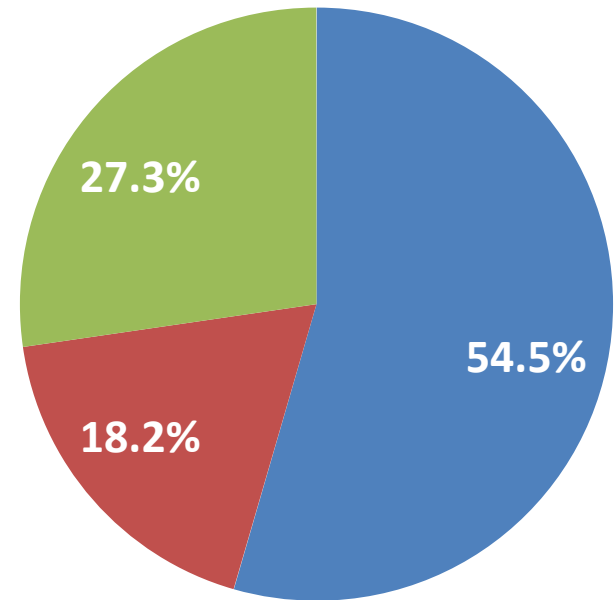
■ Improved ■ Remained Stable ■ Worsened



School Attendance

n = 15

■ Improved ■ Remained Stable ■ Worsened



School Performance

n = 11



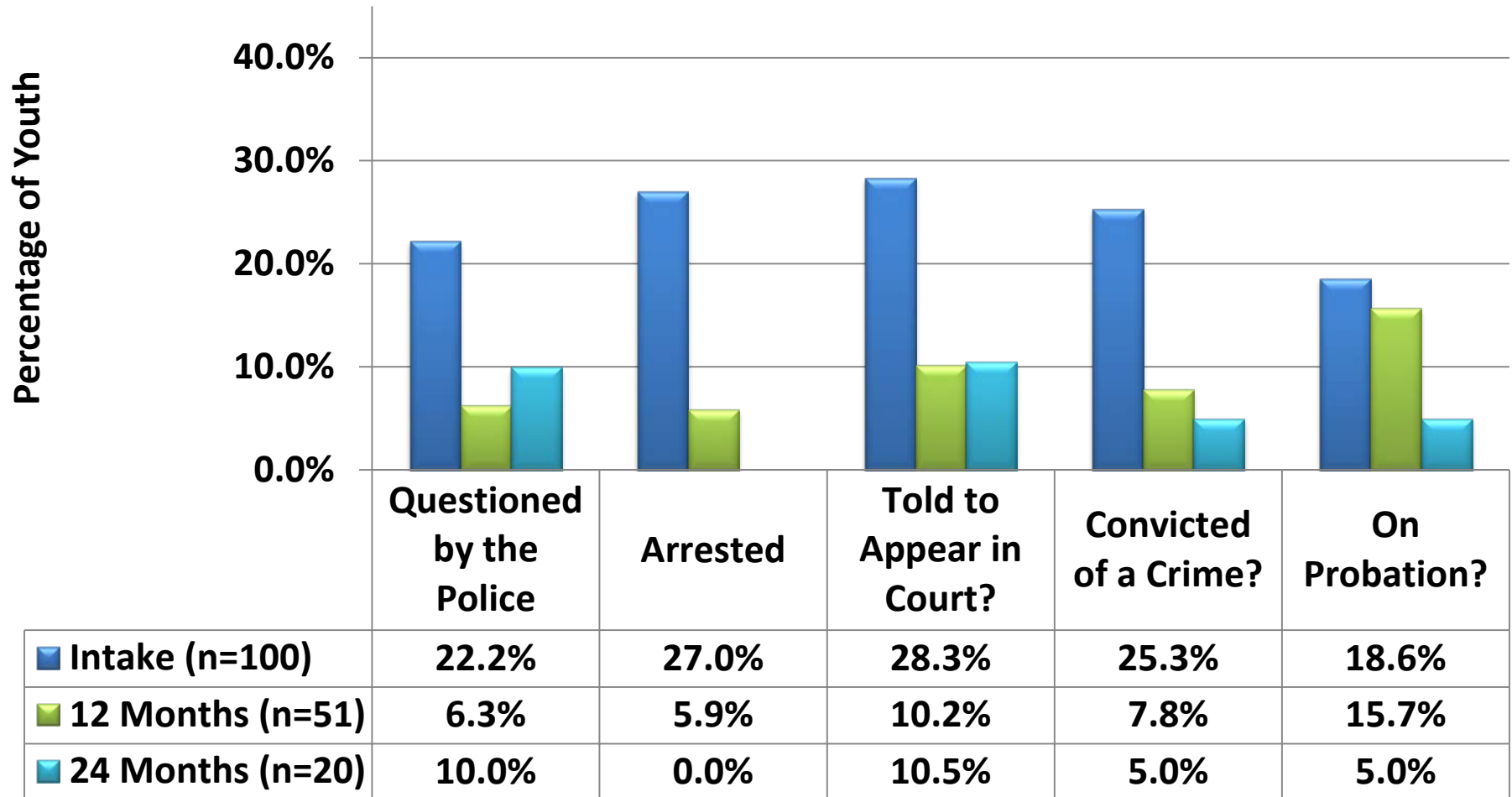
Less School Discipline

Actions	Intake (n=106)	12 Months (n=39)	24 Months (n=10)
Suspended	29.2%	23.1%	10.0%
Expelled	0.9%	0.0%	0.0%
Suspended and Expelled	3.8%	0.0%	0.0%
Neither Suspended Nor Expelled	66.0%	76.9%	90.0%

Data reported were collected using the Education Questionnaire–Revision 2 (EQ–R2). This instrument collects data on the status of the child/family in the 6 months prior to the interview.

Less Juvenile Justice Contact

- In the past 6 months have you been . . .

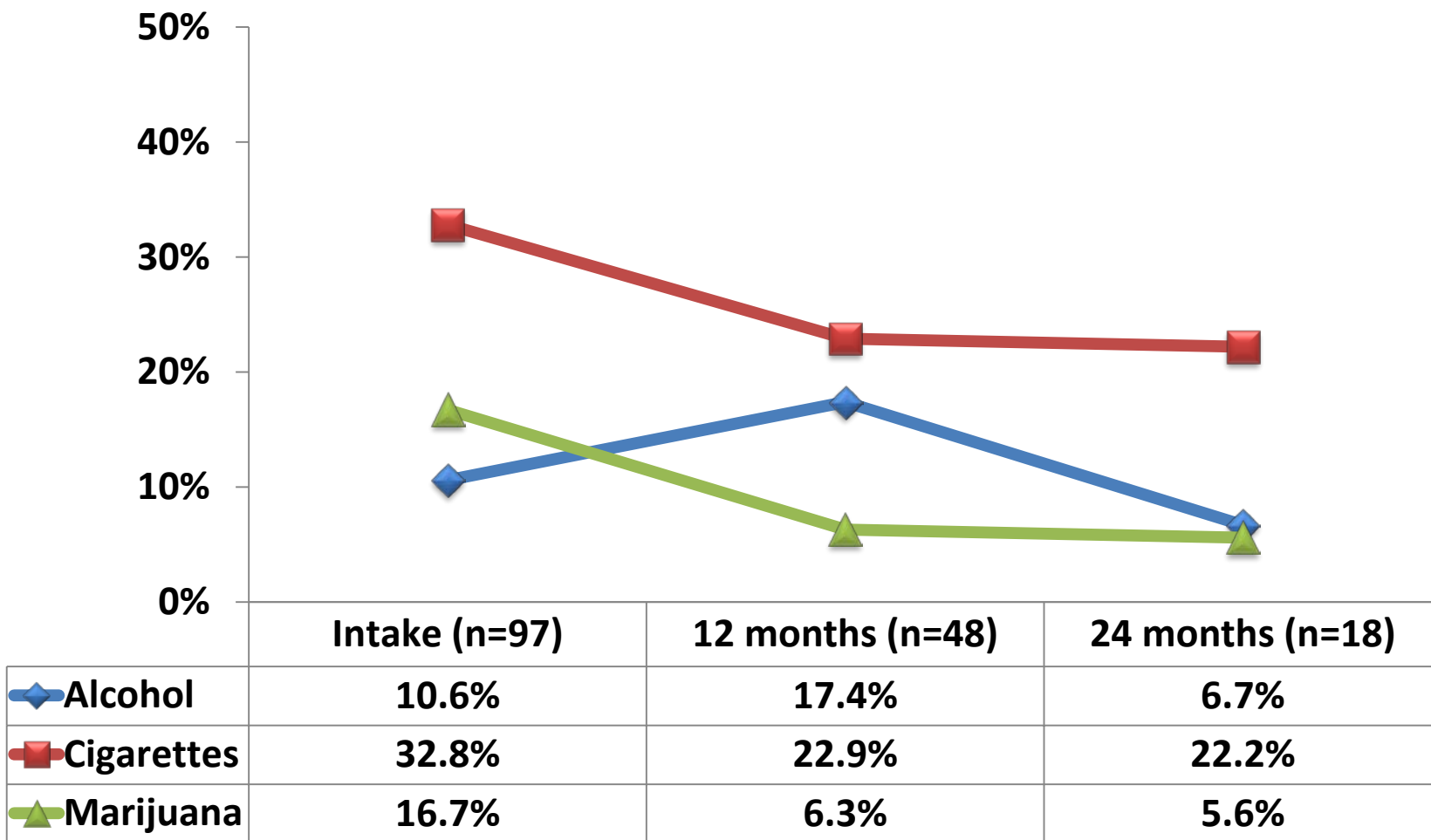


Data reported were collected using the Delinquency Survey–Revised (DS–R). This instrument collects data on the status of the youth age 11 years and older in the 6 months prior to the interview. Because participants may have had multiple criminal justice contacts, percentages may sum to more than 100%.

Less Delinquent Behavior

In the past 6 months, have you . . .	Intake (n=100)	12 Months (n=51)	24 Months (n=20)
Violent Crimes			
Been a bully or threatened other people without use of a weapon?	25.0%	15.7%	5.0%
Hit someone or got into a physical fight?	36.0%	17.6%	10.0%
Property Crime			
Taken something from a store without paying for it?	9.0%	8.0%	0.0%
Other Crime			
Been in trouble with the police for running away?	18.0%	7.8%	0.0%

Change in Substance Use



Information was gathered from the Substance Use Survey-Revised (SUS-R). These data report substance use during the 6 months prior to the interview.

Increased Youth Self-efficacy

Percentage of youth who answered "Mostly" or "Always"

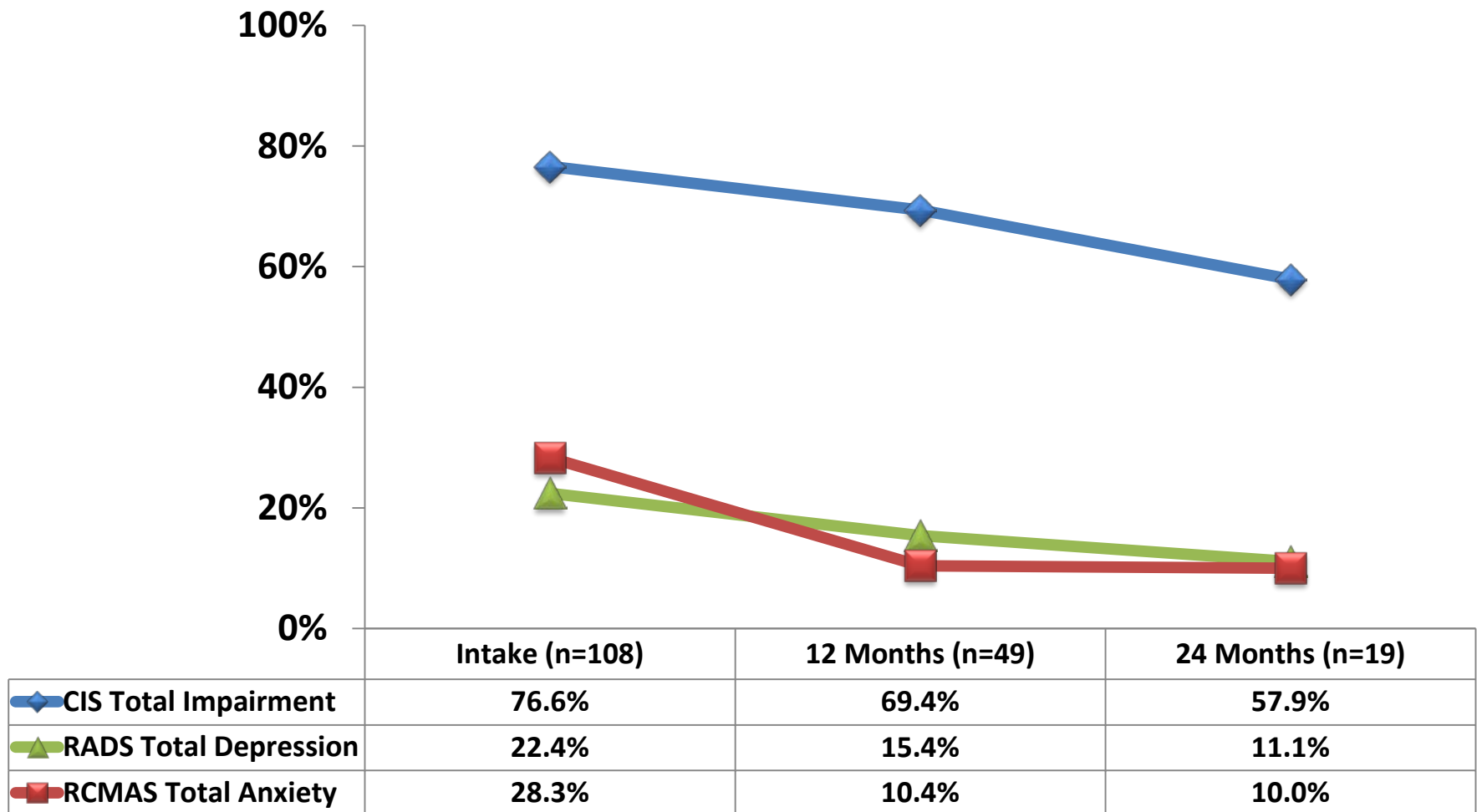
	Intake (n=100)	12 Months (n=51)	24 Months (n=20)
I make changes in my life so I can live successfully with my emotional or mental health challenges	54.5%	64.0%	70.0%
I know how to take care of my mental or emotional health	61.6%	74.5%	90.0%
When a service or support is not working for me, I take steps to get it changed	54.5%	70.8%	61.1%

Decreased Caregiver Strain

Caregiver Strain Questionnaire Subscales	Average Score		
	Intake (n=106)	12 Months (n=51)	24 Months (n=19)
Objective Strain	2.7	2.1	1.6
Subjective Externalized Strain	2.4	2.2	2.1
Subjective Internalized Strain	3.7	2.9	2.6
Global Strain	8.9	7.3	6.2

Data reported were collected using the Caregiver Strain Questionnaire (CGSQ). The range in scores for each subscale is 1 to 5; the range in scores for the Global Strain scale is 1 to 15. Higher scores indicate greater strain. This instrument collects data on the status of the caregiver in the 6 months prior to the interview.

- Change in Percent Scoring in the Clinical Range of Functional Impairment, Depression, and Anxiety

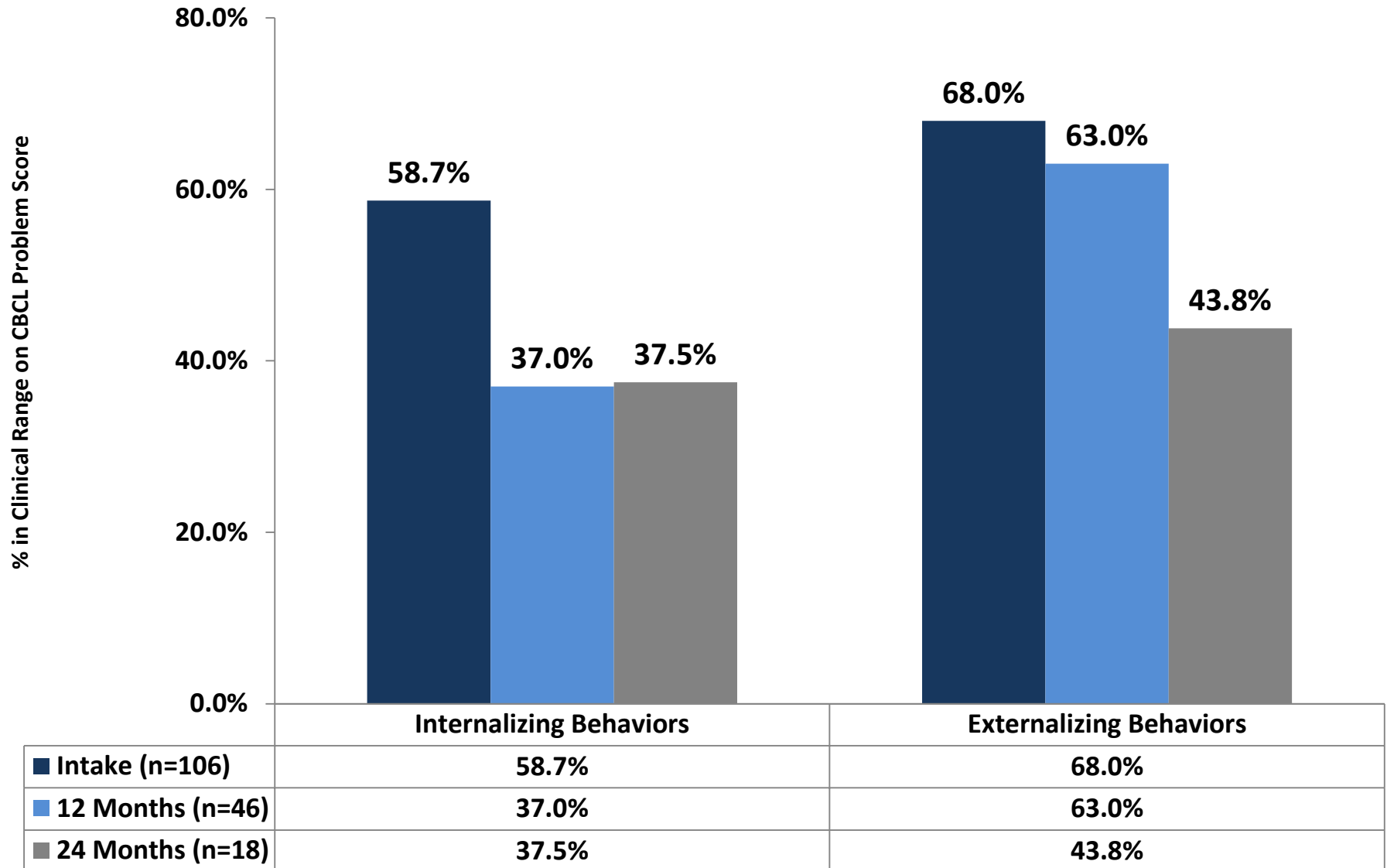


A score of 15 or higher is considered clinically impaired on the Columbia Impairment Scale (CIS).

A score of 61 or higher on the Reynolds Adolescent Depression Scale–Second Edition (RADs–2) indicates a clinical level of depression.

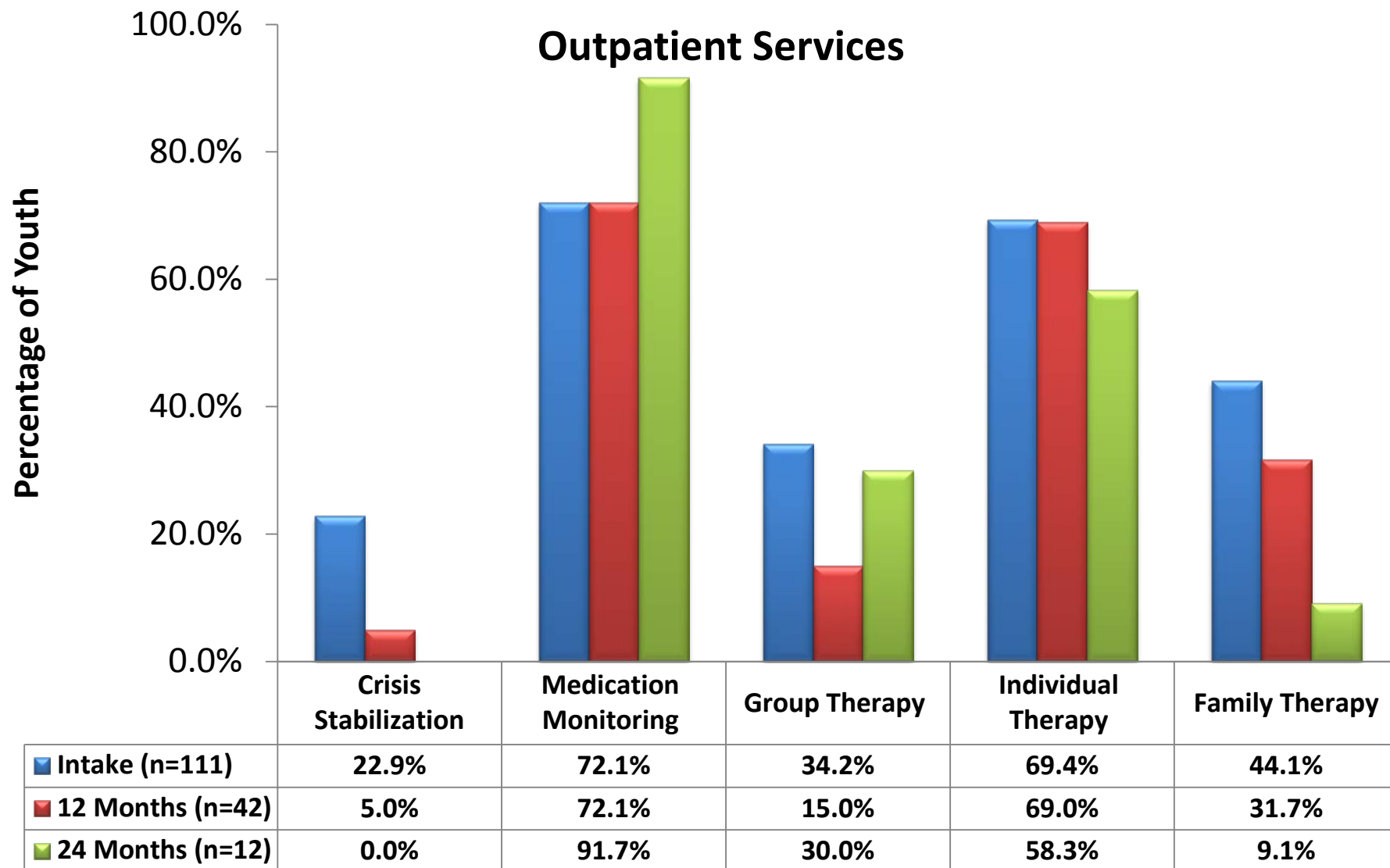
A total T-score greater than 60 indicates a high level of impairment on the Revised Children's Manifest Anxiety Scale, Second Edition (RCMAS-2).

Decreased Internalizing and Externalizing Behaviors

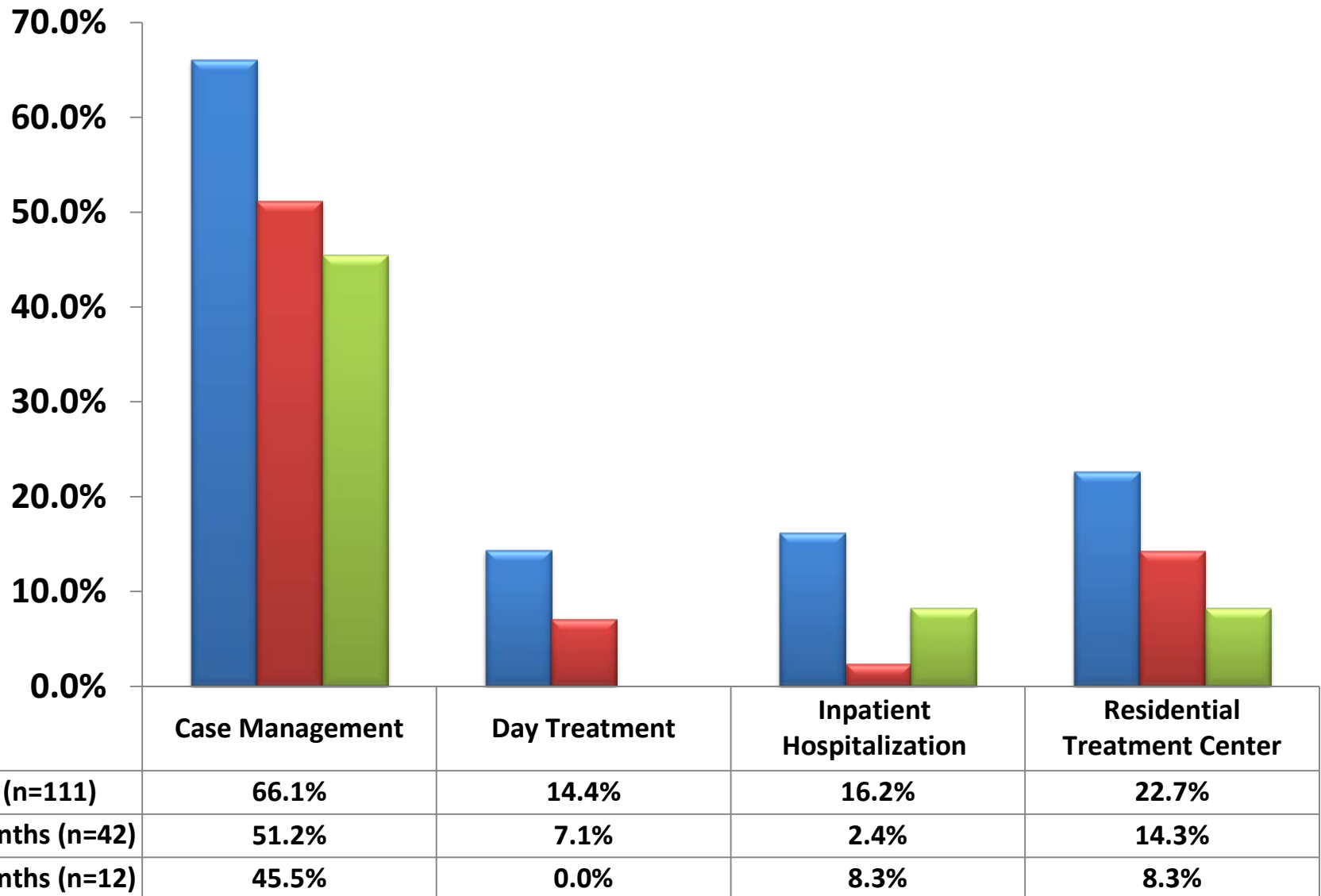


Data reported were collected using the Child Behavioral Checklist 6–18 (CBCL 6–18). This instrument collects data on the status of the child/family in the 6 months prior to the interview. Internalizing and externalizing scores 64 or above are in the clinical range. Scores on the eight narrow band syndrome scale 70 or above are in the clinical range.

Less cost and more coordination of services



Less costly services and out of home placement



- 
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