

Multi-System Involved Children, Youth and Young Adults

Presentation to CCJJ

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Data and Reports Completed by Diane Fox, PhD and

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Overview of Presentation

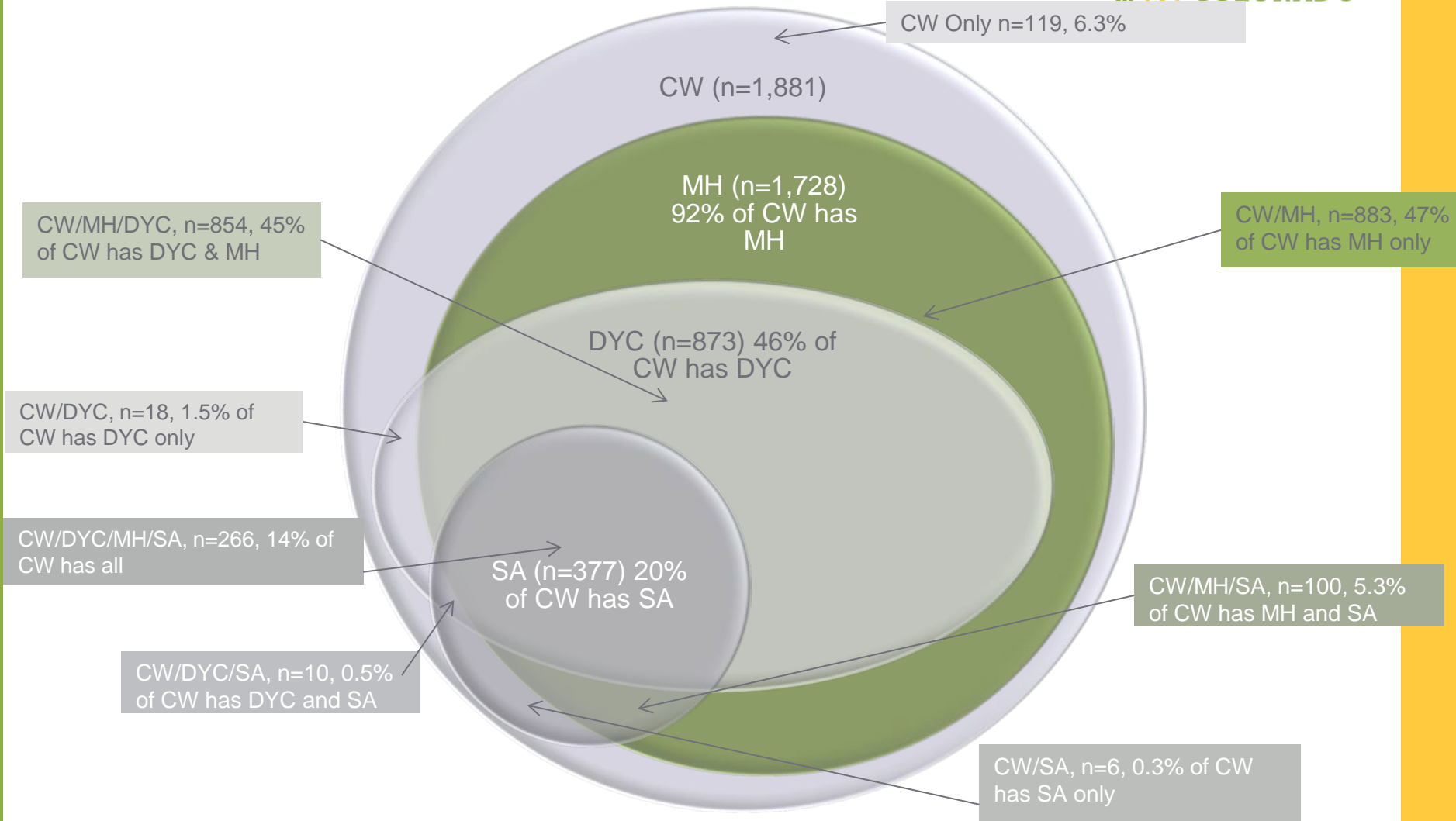
Data from 5 studies

- **Study 1**-Child Welfare High Utilizers (1,881)
- **Study 2**-Mental Health High Utilizers (6,392)
- **Study 3**-Transition Age Youth 14-25 (18,811)
- **Study 4**-Inclusion of DID (0-24) with CWHU and MHHU
- **Study 5**-Children in Public Mental Health by CW status (29,601)

FY2010-11 High Intensity Services

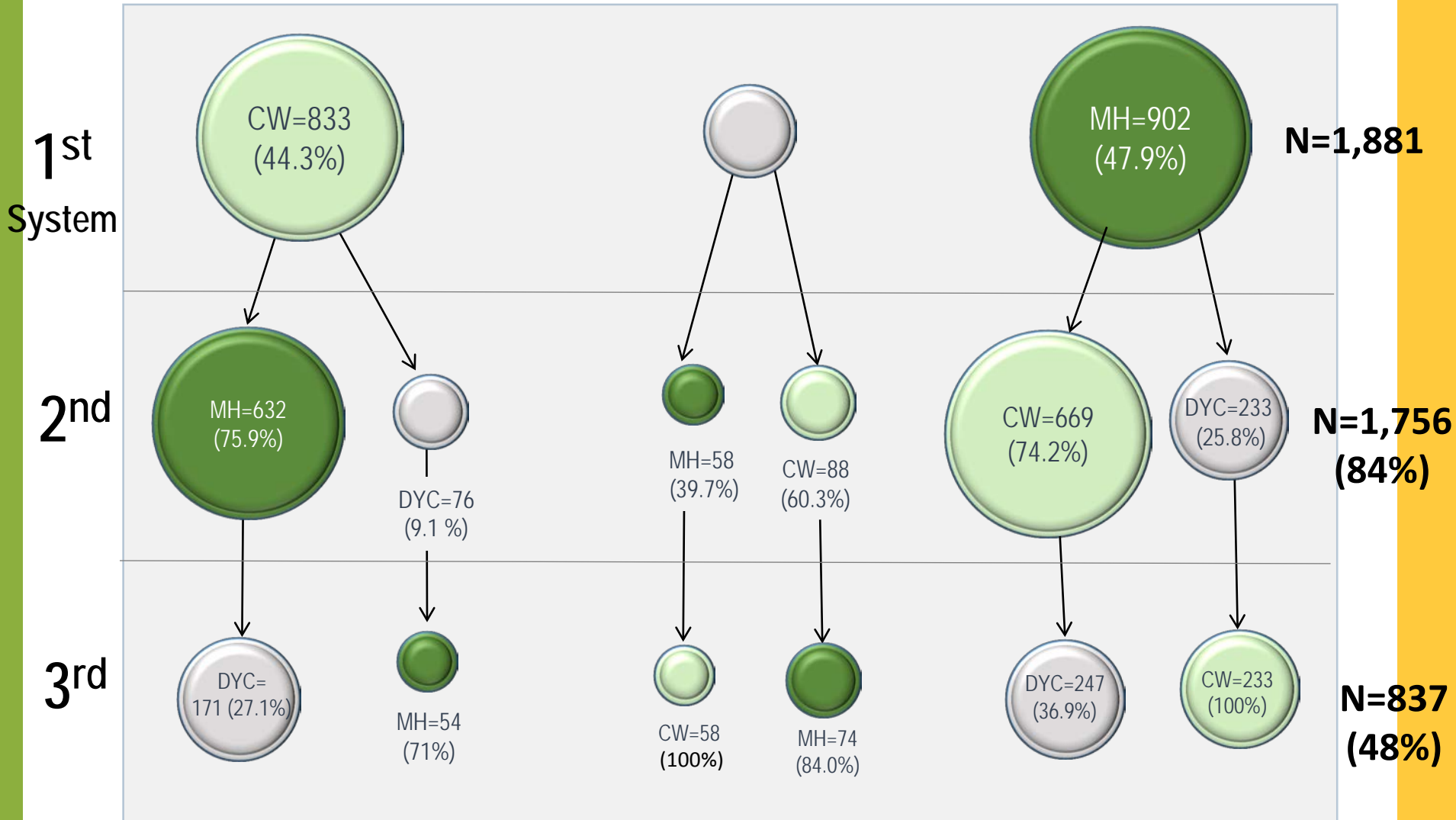
Funding Agency	Number of Children	Agency Expenditure	Additional Medicaid Contribution	Total
Child Welfare	2,063	\$51,719,376	\$5,922,691	\$57,642,068
Medicaid – BHO, Inpatient and Residential Treatment	1,749	\$17,339,065	N/A	\$17,339,065
DYC	577	\$12,960,211	\$1,495,839	\$14,456,050
Colorado Mental Health Institutes (Ft. Logan and Pueblo)	132	\$5,041,972	N/A	\$5,041,972
Office of Behavioral Health (non-Medicaid)	31	\$656,148	\$147,845.69	\$803,993
Total	4,552	\$87,716,773	\$7,566,376	\$95,283,149

4,022 Unique Individuals, 488 had services paid by more than one agency



CW High Utilizers System Overlap

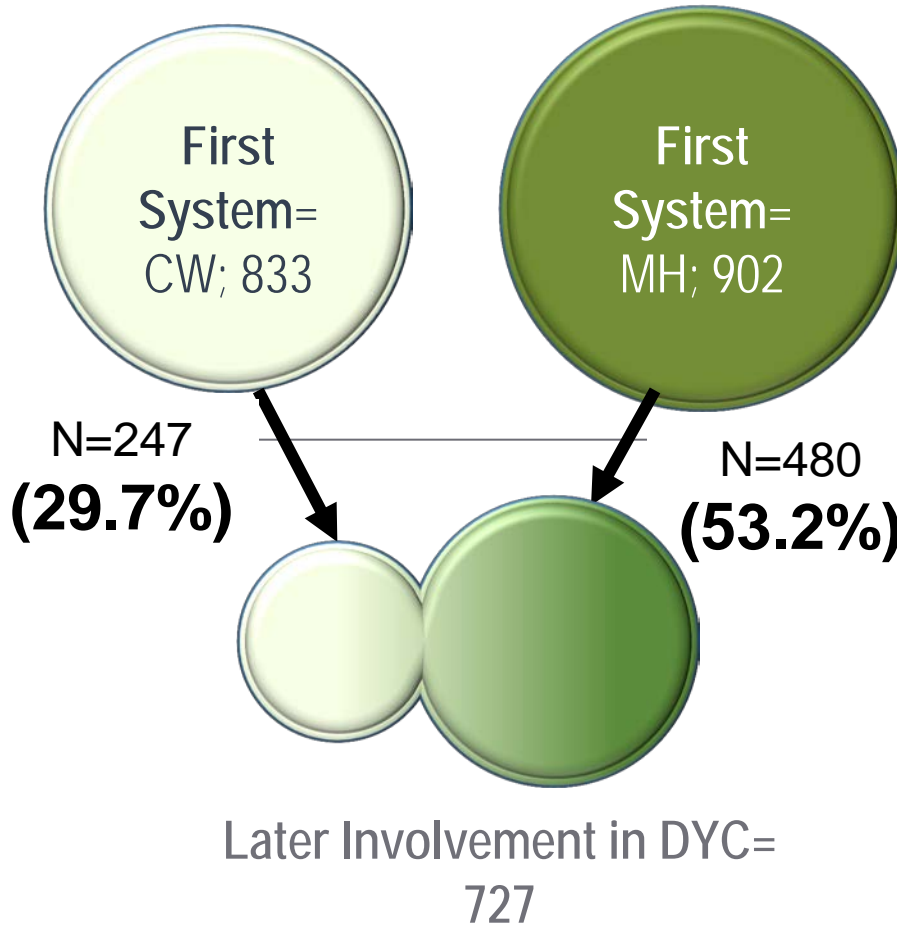
System Order Progression of 1,881 High Expenditure Youth



*The % presented represent the percent of youth coming from the preceding system. The graphic areas represent the percent of youth out of the original sample of 1,881

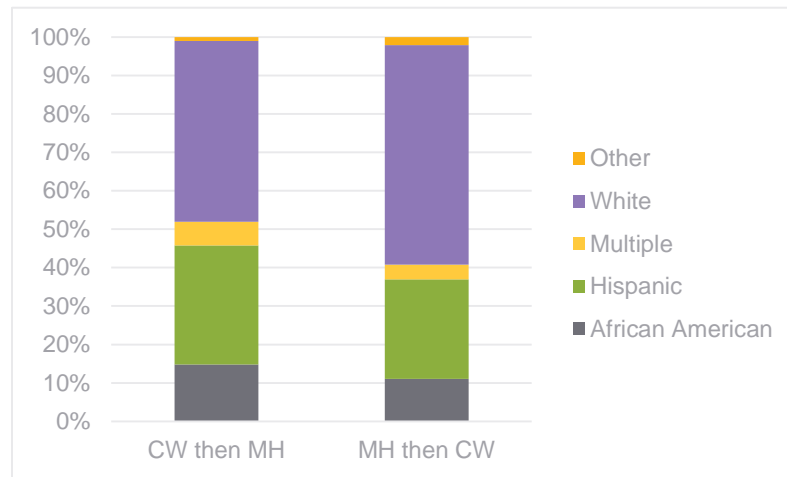
System Order Differences in Later DYC Involvement

First System

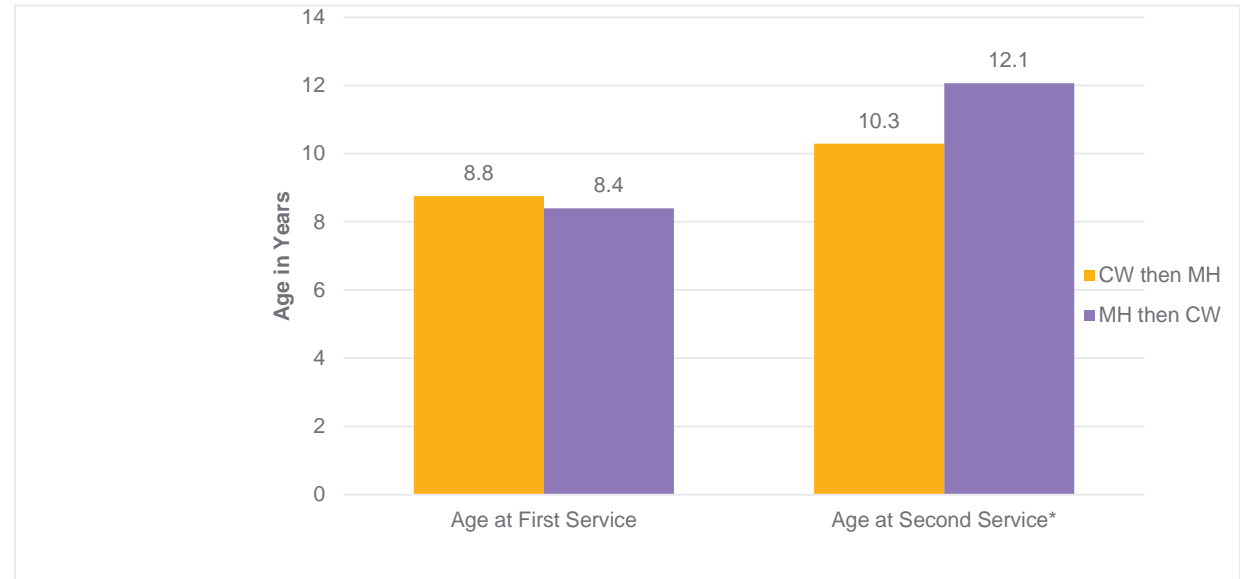


Proceeding System

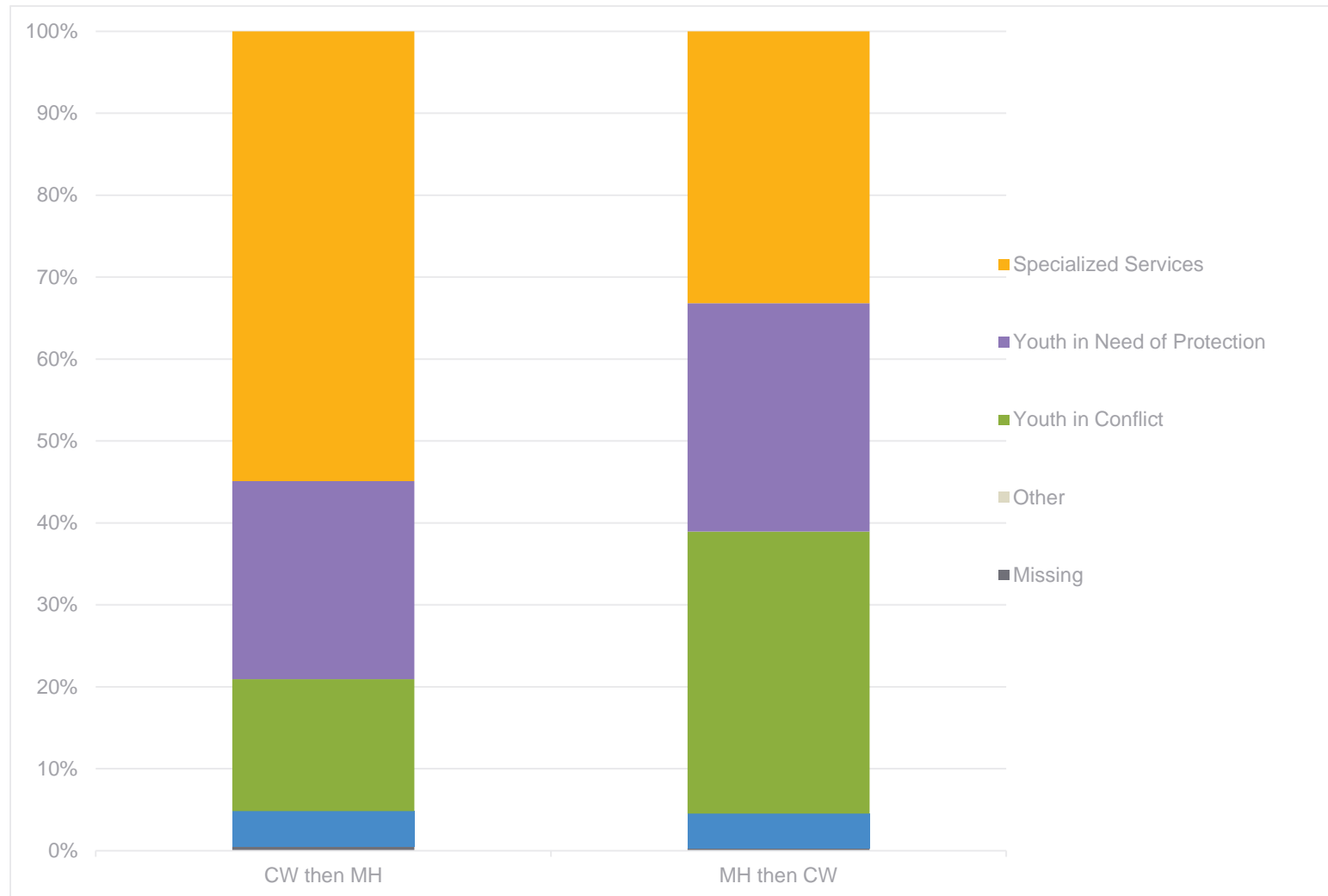
Race/Ethnicity by System Order



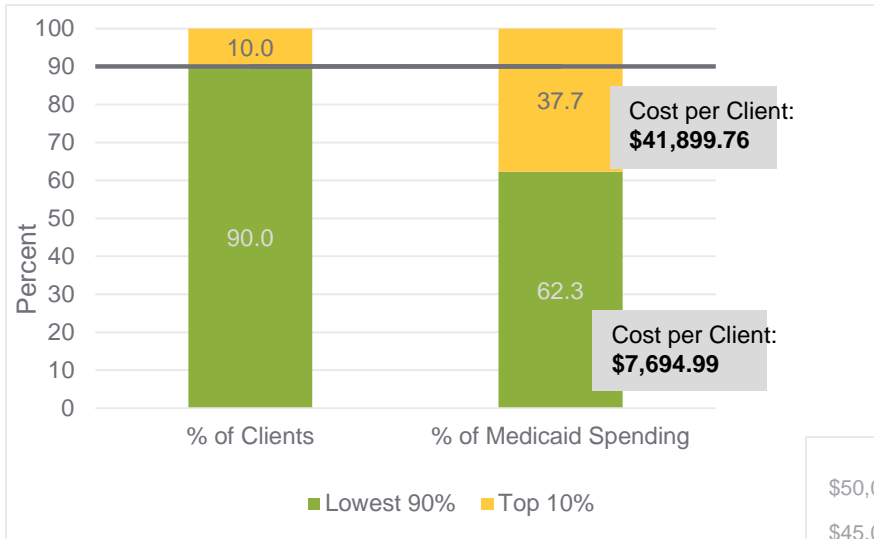
Age at admission by System Order



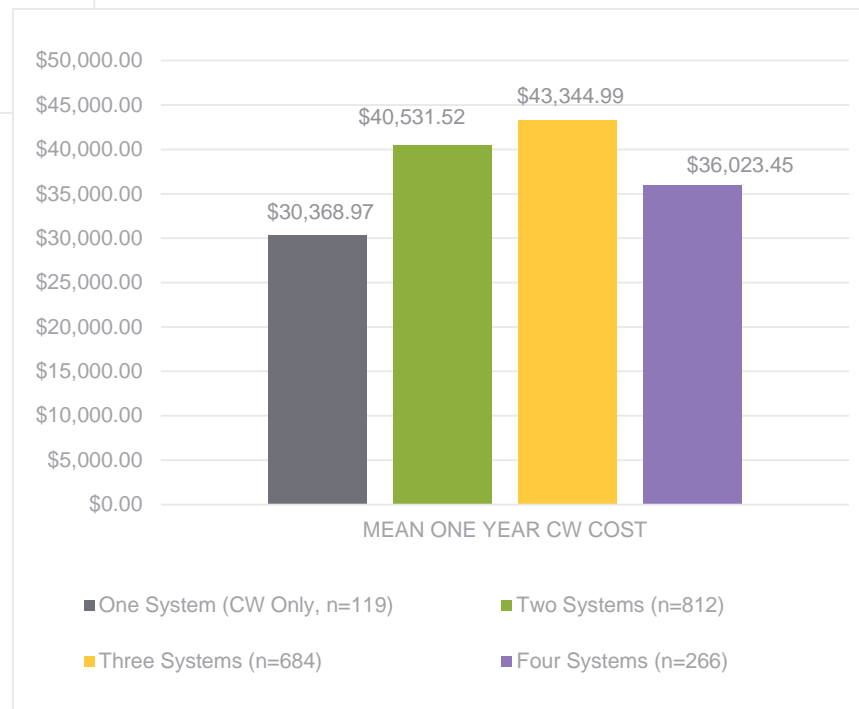
Child Welfare Program Area by System Order



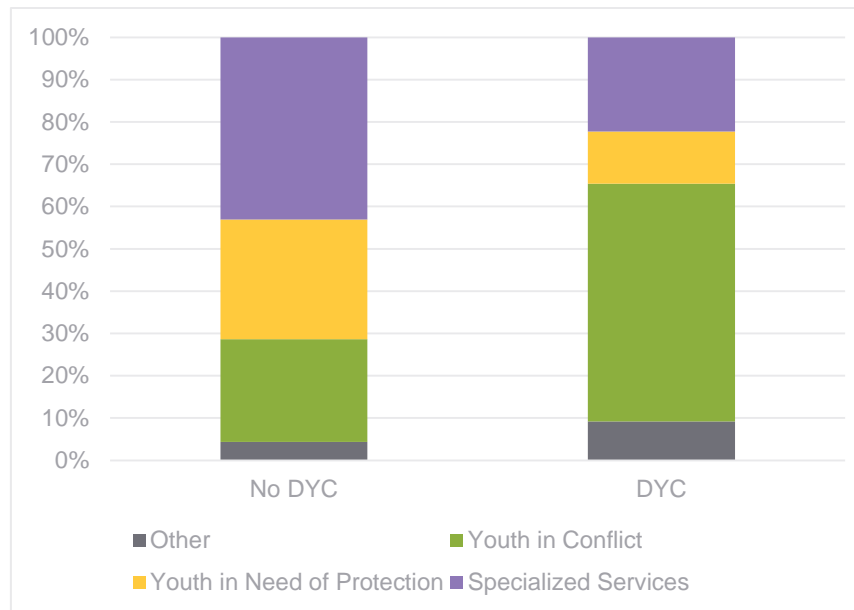
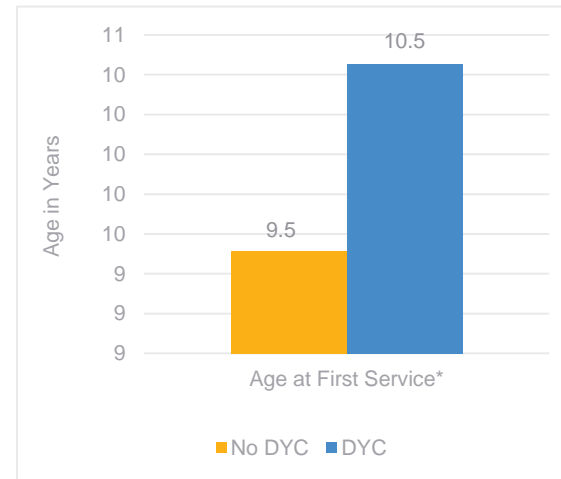
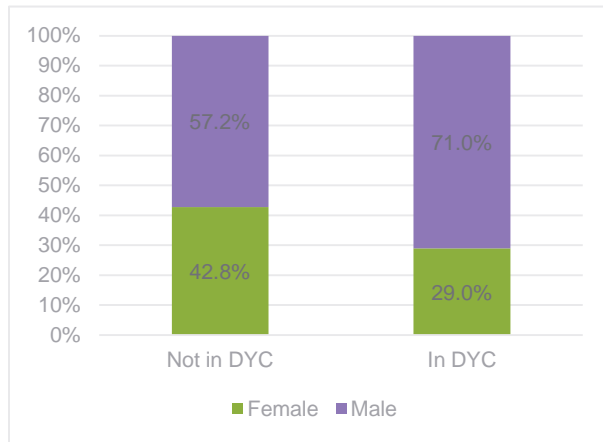
Medicaid Costs



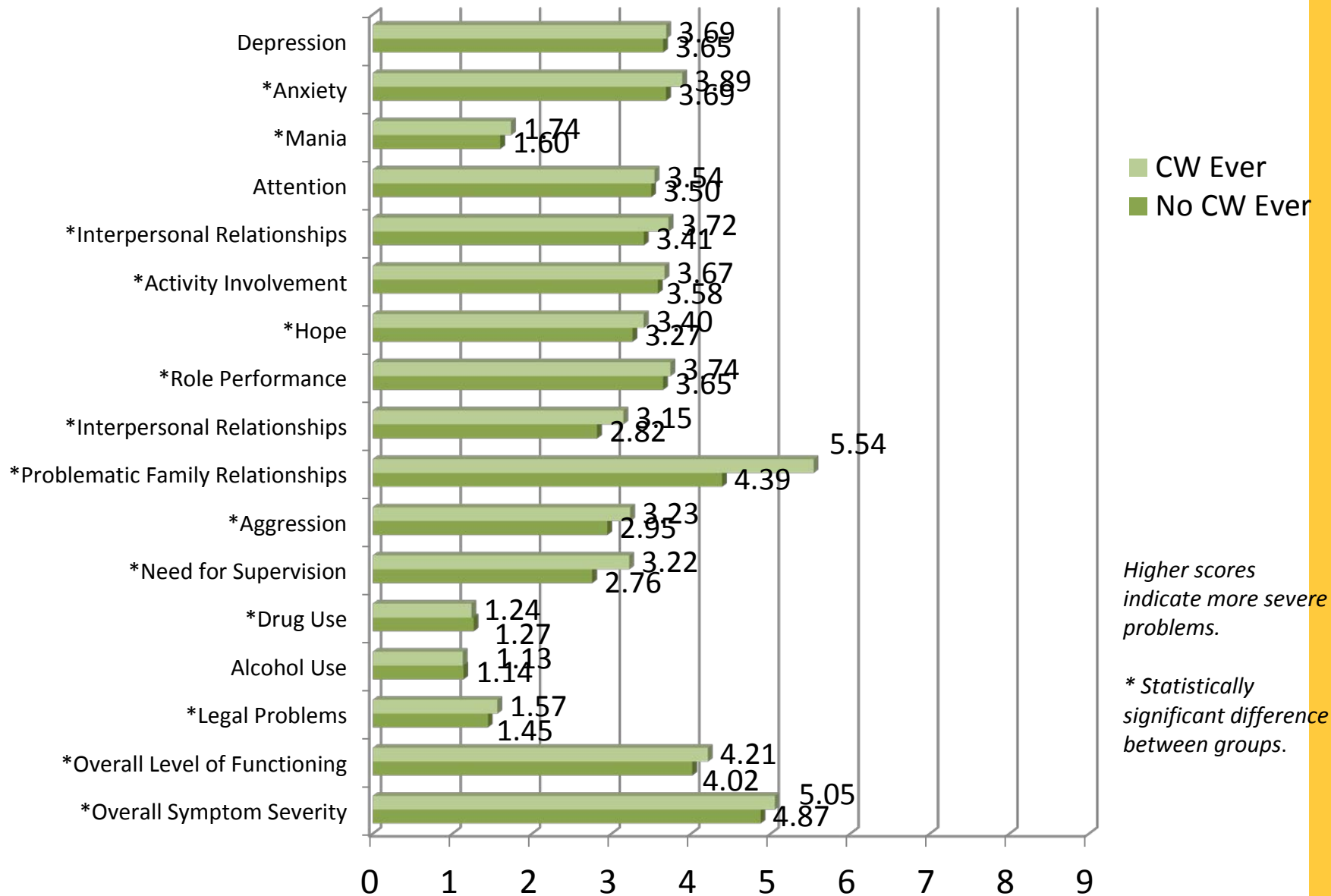
Child Welfare Costs



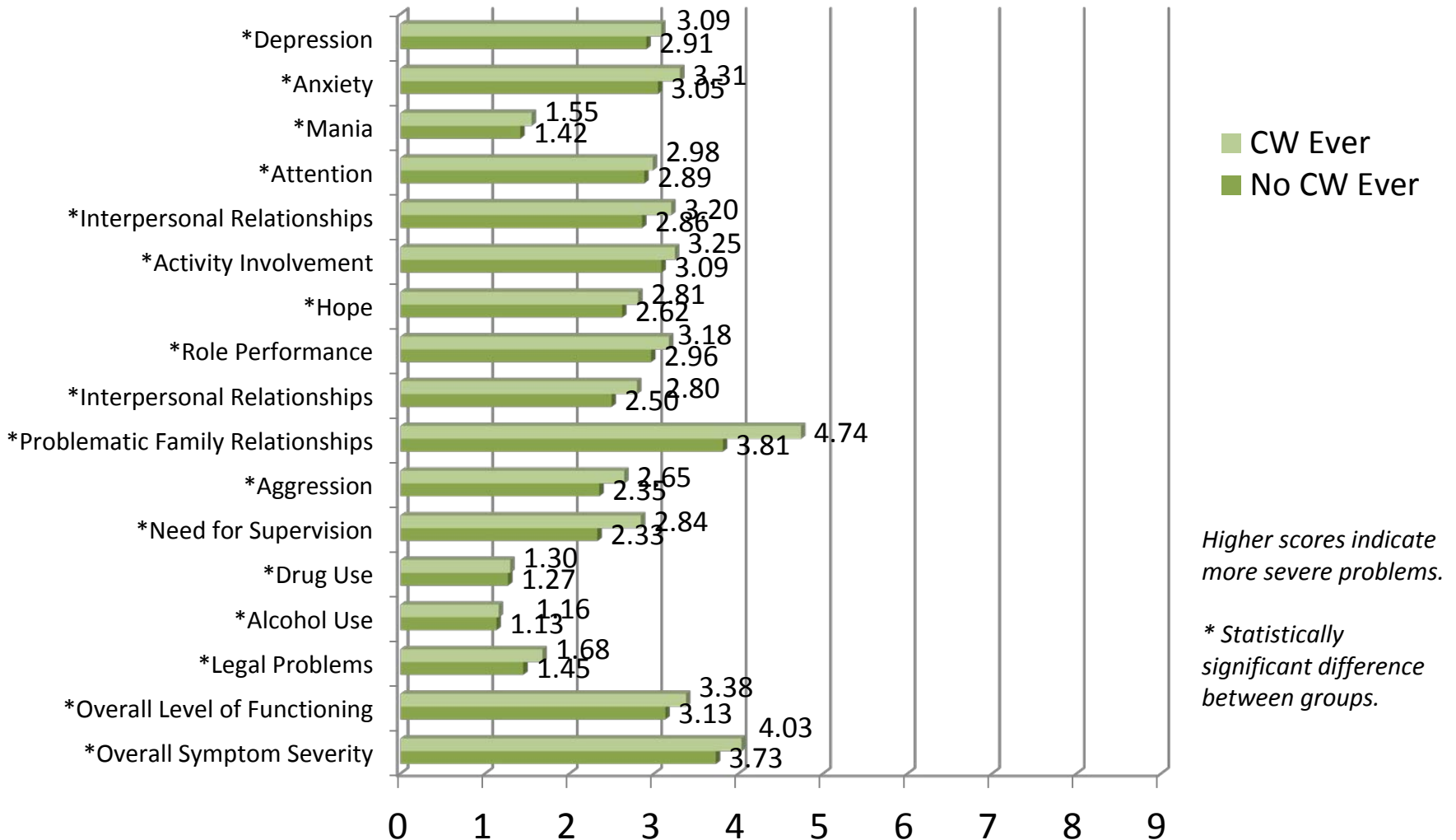
Characteristics of Child Welfare High Utilizers by NYC status



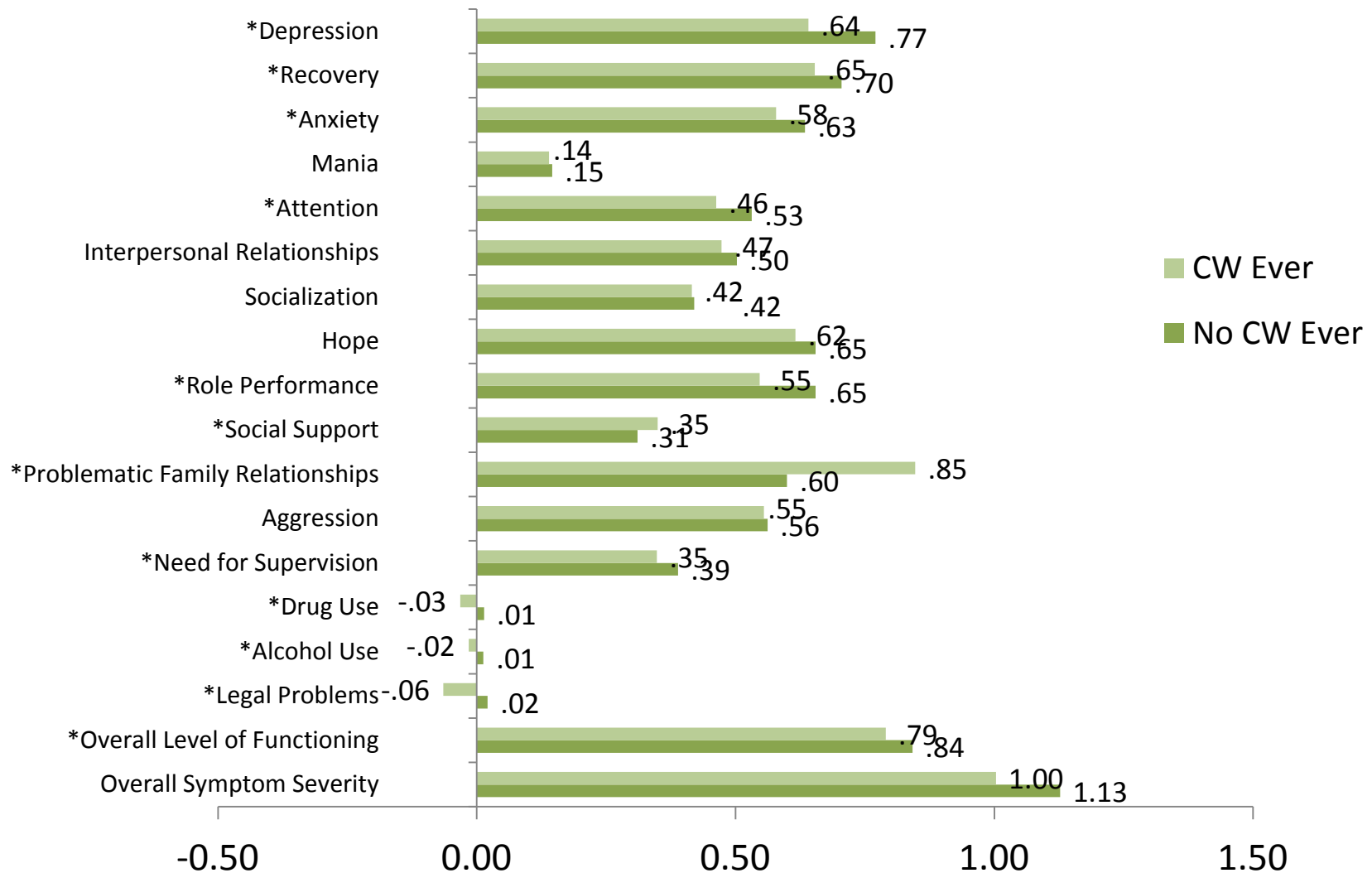
CCAR Scores at Admission by Child Welfare Status

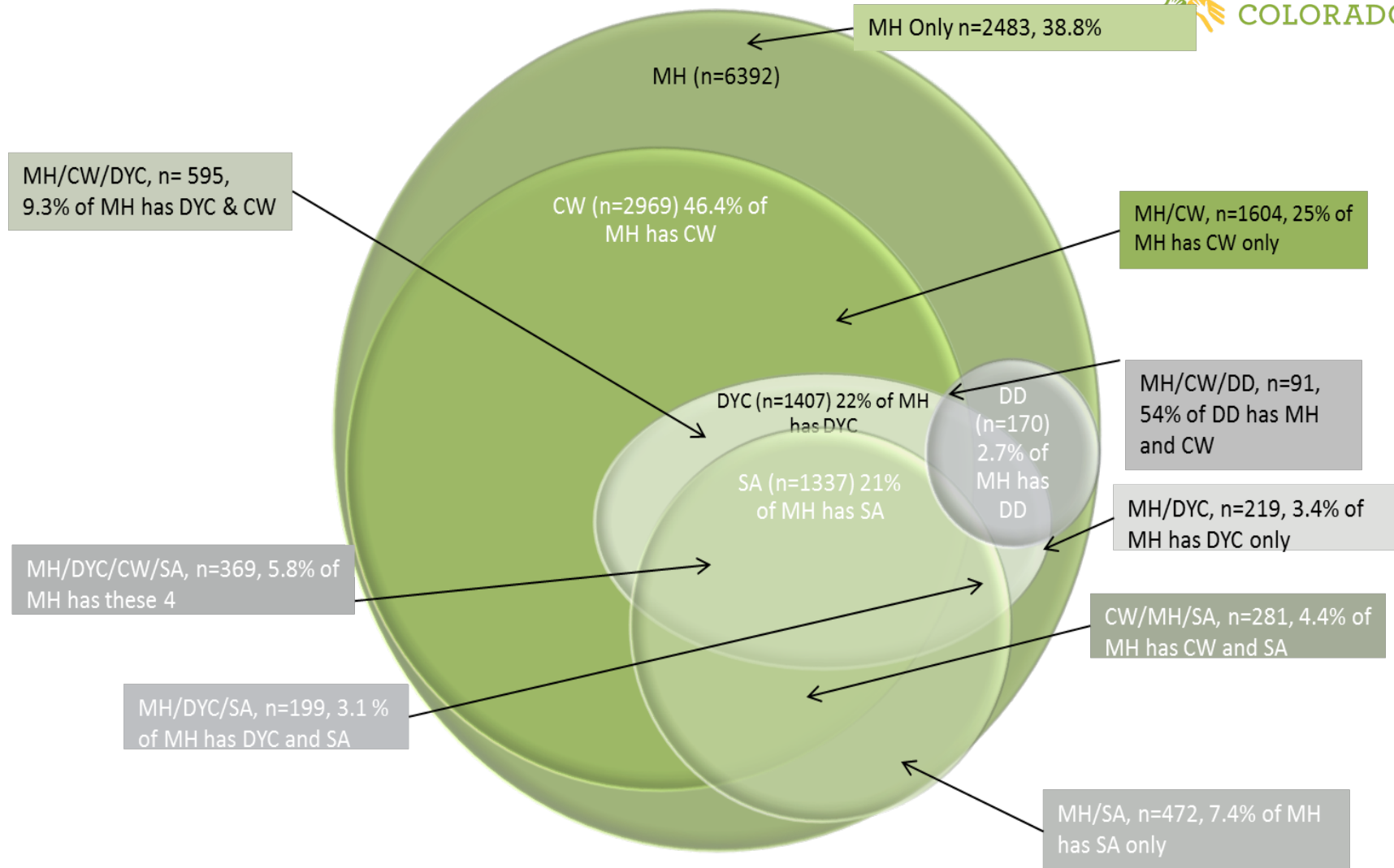


CCAR Scores at Discharge by CW status



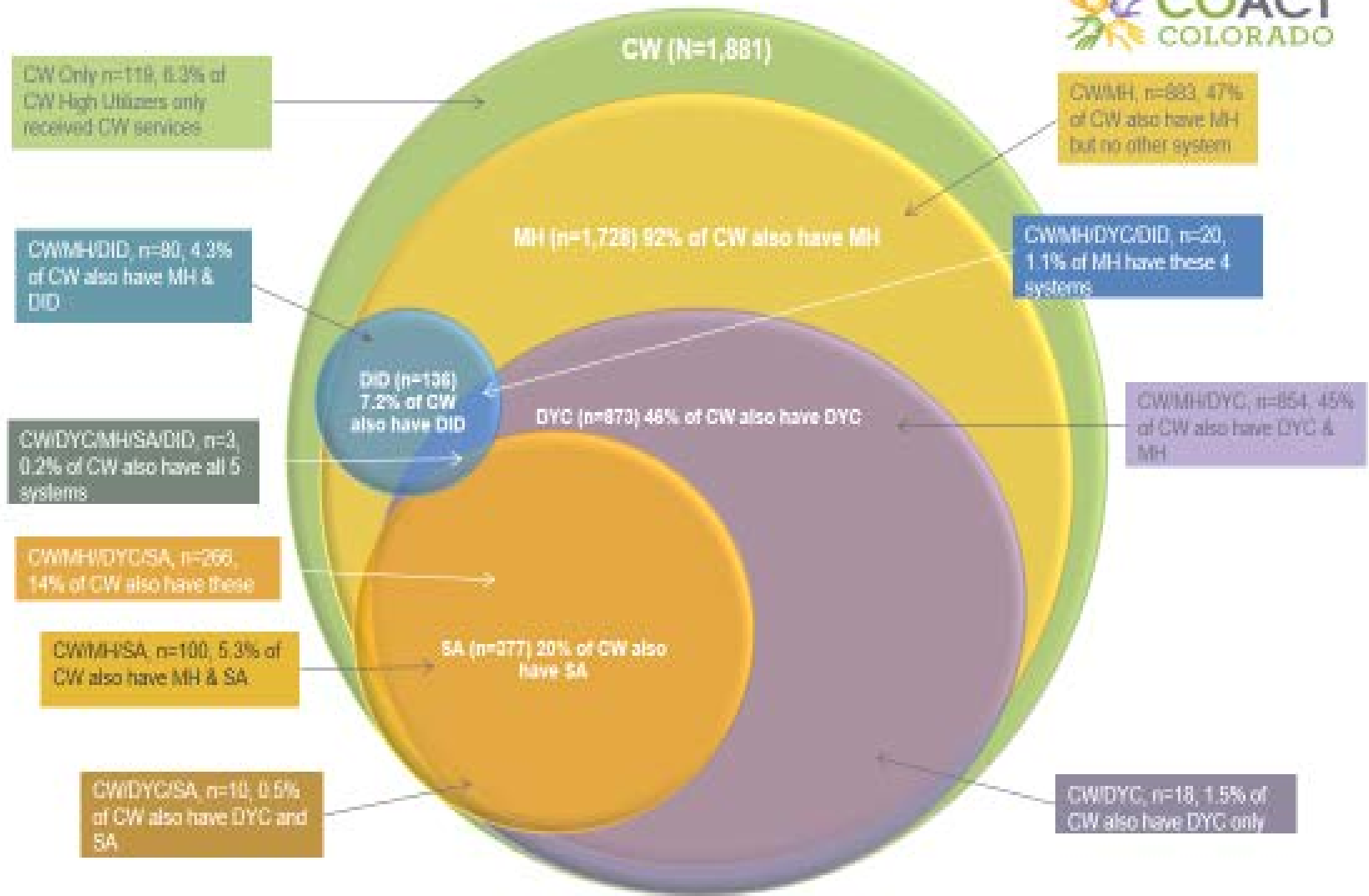
Change in CCAR Scores by Child Welfare Status





MH High Intensity Service Users System Overlap

Child Welfare High Utilizers Overlap with DID



Risk Factors for DYC Involvement

- ▶ Youth Commitment = 20.8 OUT OF 10,000 youth in the JUVENILE POPULATION
- ▶ DYC Involvement = 1 OUT OF 4 (25%) in the PUBLIC MENTAL HEALTH SYSTEM
- ▶ DYC Involvement = 1 OUT OF 3 (35%) MALES in the PUBLIC MENTAL HEALTH SYSTEM
- ▶ DYC Involvement = 1 OUT OF 2 (43%) Males with CHILD WELFARE INVOLVEMENT in the PUBLIC MENTAL HEALTH SYSTEM
- ▶ DYC Involvement = 3 OUT OF 4 (73.7%) Males with SUD SERVICES and CHILD WELFARE INVOLVEMENT in the PUBLIC MENTAL HEALTH SYSTEM
- ▶ DYC Involvement = 8 OUT OF 10 (82.5%) Males with an elevated score in the SOCIALIZATION DOMAIN and SUD SERVICES and CHILD WELFARE INVOLVEMENT in the PUBLIC MENTAL HEALTH SYSTEM

CCAR Domains with Significantly Different rates of clinical elevation for Youth with and without DYC involvement

Domain Name	Significantly Less Severe for DYC-Involved Youth at*:		CCAR Domain Description
	Admission	Discharge	
Overall Symptom Severity	✓		Severity of the person's mental health symptoms
Anxiety	✓		Extent to which the person is in need of increased supervision
Cognition	✓		Extent to which the person is able to perform cognitive tasks
Domain Name	Significantly More Severe for DYC-Involved Youth at*:		CCAR Domain Description
	Admission	Discharge	
Legal	✓	✓	Extent to which a person is involved in the criminal justice system
Need for Supervision		✓	Extent to which the person is in need of increased supervision
Aggression		✓	Extent of aggressiveness in interactions with others
Alcohol Use		✓	Extent to which a person's use of alcohol impairs daily functioning
Drug Use	✓	✓	Extent to which a person's use of legal or illegal drugs impairs daily functioning
Socialization		✓	Extent to which a person's conduct deviates cultural and social norms
Empowerment		✓	Extent to which a person uses available resources that contribute to personal health, welfare, and recovery
Activity Involvement		✓	Extent to which a person participates in positive activities
Hope		✓	Extent to which a person is optimistic about future outcomes
Recovery		✓	Extent to which a person is involved in the process of getting better and developing restoring/maintaining a positive and meaningful sense of self

Mental Health Diagnosis for Child Welfare High Utilizers

Diagnosis at Admission	Frequency	Percent
Adjustment	575	33.3
Anxiety	265	15.3
Conduct Disorder	261	15.1
Attention Deficit Disorder	215	12.4
Major Depression	120	6.9
Other Childhood Disorder	63	3.6
Other	229	13.3
Total	1728	100.0

Mental Health Diagnosis for Mental Health High Utilizers

Diagnosis at Admission	Frequency	Percent
Adjustment	1664	26.0
Anxiety	877	13.7
Conduct Disorder	393	6.1
Attention Deficit Disorder	385	6.0
Major Depression	1288	20.2
Bipolar Disorder	846	13.2
Thought Disorder	461	7.2
Other	478	7.4
Total	6,392	100.0

Differences between CW Sample and MH Sample

Overlap	Child Welfare High Utilizers	Mental Health High Utilizers
No overlap with other systems	6.3%	38.8%
With CW or MH	92%	46.4%
DYC	46%	22.0%
Substance Abuse	20%	20.9%
DIDD	7.2%	3%
Four system involvement	14%	6%

Statistically Significant Differences

Age

Gender

CW Program Area

Order of System Involvement

Severity of Clinical Issues

Costs