

Background

Mental Health Needs of Autistic Children

- Autistic children often access mental health services to address diverse concerns, including externalizing behaviors, social difficulties, attention/regulation problems, and anxiety (Brookman-Frazee et al., 2018).
- Given these diverse needs and the individualized nature of evidence-based autism interventions, caregiver input is essential for prioritizing needs and informing intervention planning.

Latent Class Analysis

- Latent Class Analysis is a data-driven approach that identifies subgroups of autistic children based on mental health patterns, but prior studies have not incorporated caregiver-identified priorities.
- Identifying patterns in caregiver priorities may help guide evidence-based intervention selection, implementation planning, and broader capacity building related to serving autistic children in mental health services.

Methods

Participants

- Data from caregivers of 186 school-age autistic children ($M_{age} = 9.7$ years, $SD = 2.3$ years, range 5-13 years, 78% male, 40% Latinx) were drawn from baseline assessments conducted in a hybrid type 3 implementation-effectiveness trial testing implementation strategies for *An Individualized Mental Health Intervention for Autism* in outpatient and school-based mental health services.

Procedure

- At study baseline, caregivers completed the Top Problems Assessment (Weisz et al., 2011) and Brief Problem Checklist (BPC) (Chorpita et al., 2010).
- Top Problems were coded according to items on the Child Behavior Checklist (Achenbach & Rescorla, 2001) by a team of three trained coders.

Results



Using Latent Class Analysis, we identified **four distinct profiles of autistic children** based on caregiver intervention priorities and child mental health symptom severity.

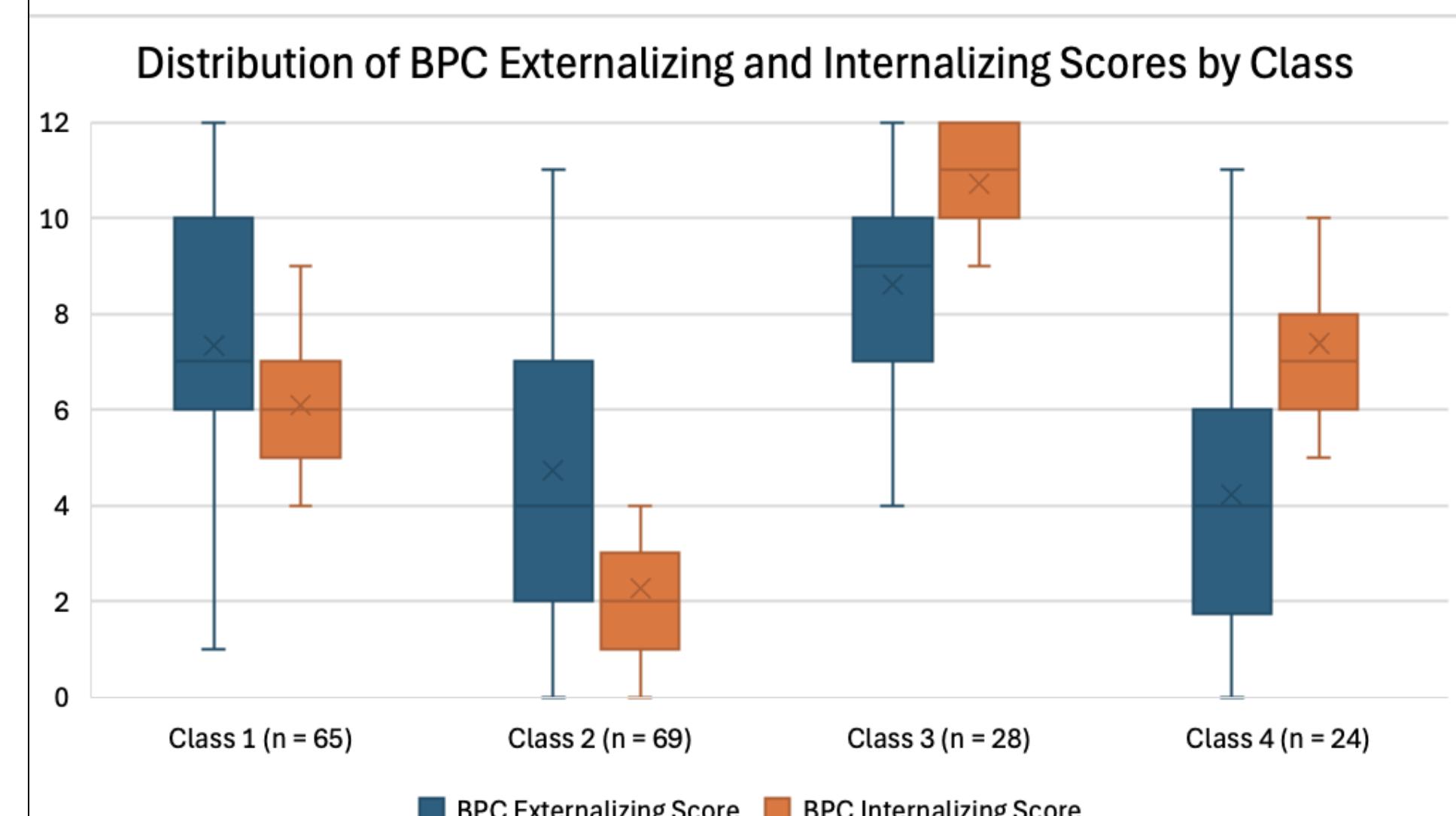
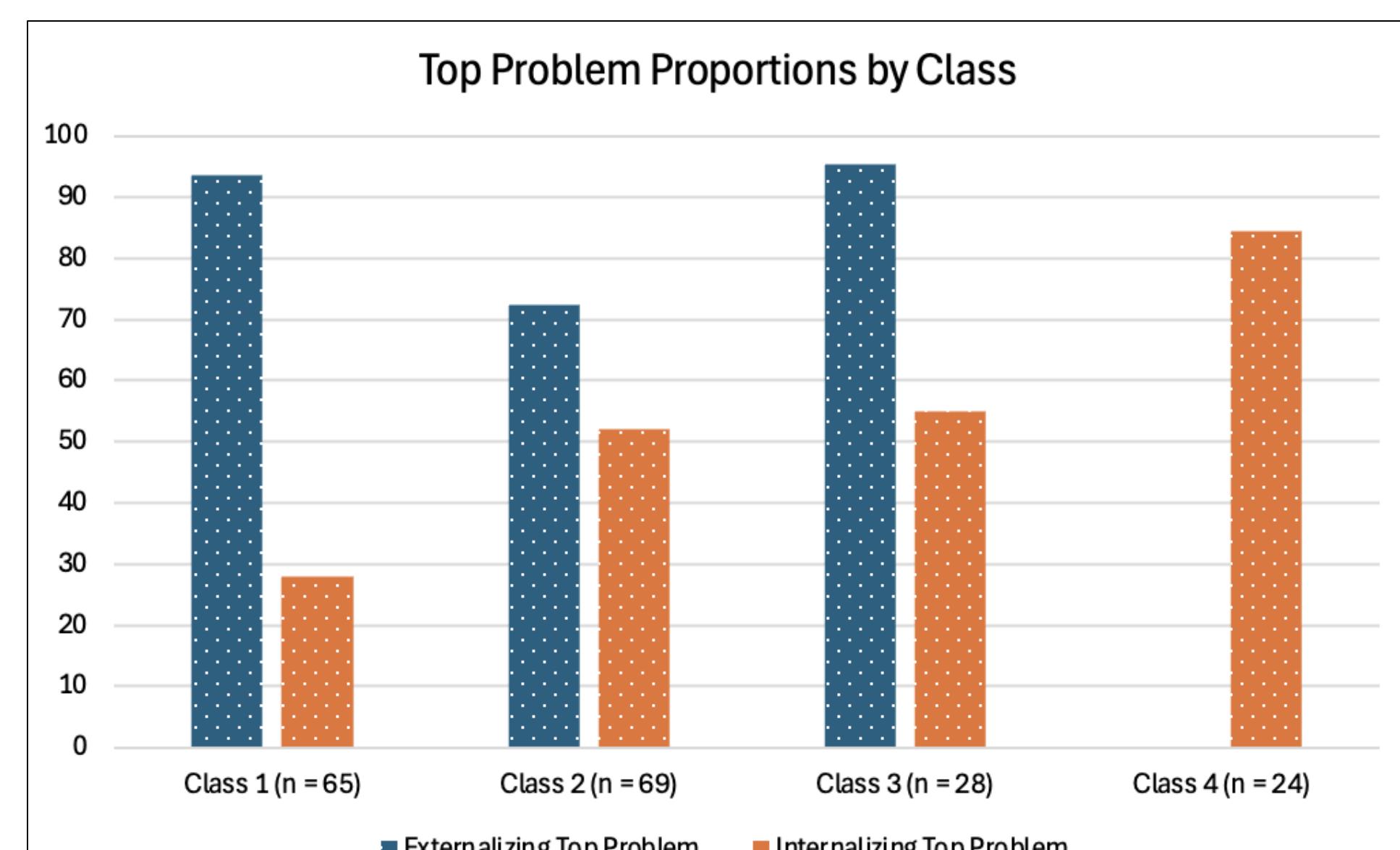
Class membership was associated with **child gender and caregiver primary language**.

Determining the optimal number of classes:

Log likelihood	AIC	BIC	BLRT p-value*	Entropy
1 class: -1111.77	2235.54	2235.89	--	--
2 class: -1111.77	2202.61	2203.25	<.00001	0.62
3 class: -1090.31	2198.13	2199.06	.100	0.67
4 class: -1082.94	2187.85	2189.08	<.00001	0.78
5 class: -1066.99	2185.97	2187.49	.122	0.73

*Bootstrap LRT ran for 2,000 iterations.
Bold values indicate optimal model fit based on fit indices.
Note: Entropy is included in this table as a standardized index of model-based classification accuracy used for evaluation of the optimal model.

Four-Class Solution:



Child and Family Characteristics Associated with Class Membership:

Profile	2 – Mixed Priority, Lower Severity			3 – Mixed Priority, Higher Severity			4 – Primarily Internalizing Priority		
	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p
Child Age	0.88	.76, 1.03	.123	1.01	.83, 1.23	.101	1.11	.89, 1.38	.927
Child Gender (F)	1.86	.76, 4.55	.172	0.96	.27, 3.45	.962	3.45	1.17, 10.15	.025
Caregiver Preferred Language (Spanish)	1.50	.70, 3.23	.303	0.10	.01, .81	.031	1.12	.39, 3.24	.833
McFadden's Pseudo R ²	=.133								
OR: Odds Ratio; CI: Confidence Interval.									
Bold equals significant at p < .05.									

Data Analysis

- An exploratory Latent Class Analysis was conducted with four indicators:
 - BPC externalizing score
 - BPC internalizing score
 - Externalizing Top Problem presence
 - Internalizing Top Problem presence
- Multinomial logistic regression was used to examine child and family factors that predict group membership.

Discussion

- Four classes were identified:
 - Primarily Externalizing Priority
 - Mixed Priority, Lower Severity
 - Mixed Priority, Higher Severity
 - Primarily Internalizing Priority
- Child gender and caregiver primary language were significantly associated with class membership.
- Findings highlight the diverse mental health needs of autistic children and the need to implement individualized, caregiver-informed intervention strategies.
- Results particularly underscore the need to attend to internalizing symptoms in this population, even when externalizing behaviors appear more prominent.

Acknowledgments

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