Can a Novel Delivery System Modify Patterns of Care for High-Need Youth?

Research Objective

In 2021, the US Surgeon General declared a national emergency the urgent need for child mental health care. This SAMHSA funded study examines the impact of the **Collaborative Practice Model (CPM)**, a novel approach to improving child mental health access, on patterns of service utilization and cost among high-need children insured by Medicaid.

Study Design

- <u>Model</u>: Two evidence-based strategies, integrated care and the wraparound approach, were combined to form the pediatric CPM
- <u>Process</u>: The CPM team is comprised of *peer*to-peer family support specialists, integrated child mental-health clinicians, and PCPs
- Data Sources: Medicaid claims and EHR data were used to conduct a prospective study comparing service use and cost for children receiving the CPM intervention vs. matched youth receiving treatment-as-usual (TAU) **Study Sample:**
- Pre-matched sample included 167 CPM youth and 809 TAU youth; all were 3 to18 yrs. old (median 11 yrs.); 60% were male
- Relative to the TAU group, the CPM group was less likely to be white $(21\% \times 30\%, p=0.006)$ or to carry a psychiatric dx pre-enrollment (56%) vs. 65%)
- CPM youth were more likely to identify as Latinx (42% v 29%, p=0.002) and speak Spanish or Portuguese (46% vs. 34%, p=0.002)

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Both CPM and TAU groups shifted from more to less intensive services, pre-post intervention,	o ED Us Practi
but some trends diverged:	CPM
 Outpatient MH "no-show" rates in the CPM 	
group fell pre-post from 59% to	nth
29% (p < 0.05) with no change in TAU "no-	Months 8 01 8
show" rates.	atient o
• Psych ED use fell by 78% for CPM but rose	9 Datio
42% for TAU, a relative difference	100
of -84% (95% CI -98%, 4%; p=0.055).	01 J
 Total-cost-of-care, per member per month 	per
(PMPM), decreased by \$472 (95% CI -\$989	, <u>Visits</u>
	' >
\$45; p=0.073) for CPM youth relative to the	

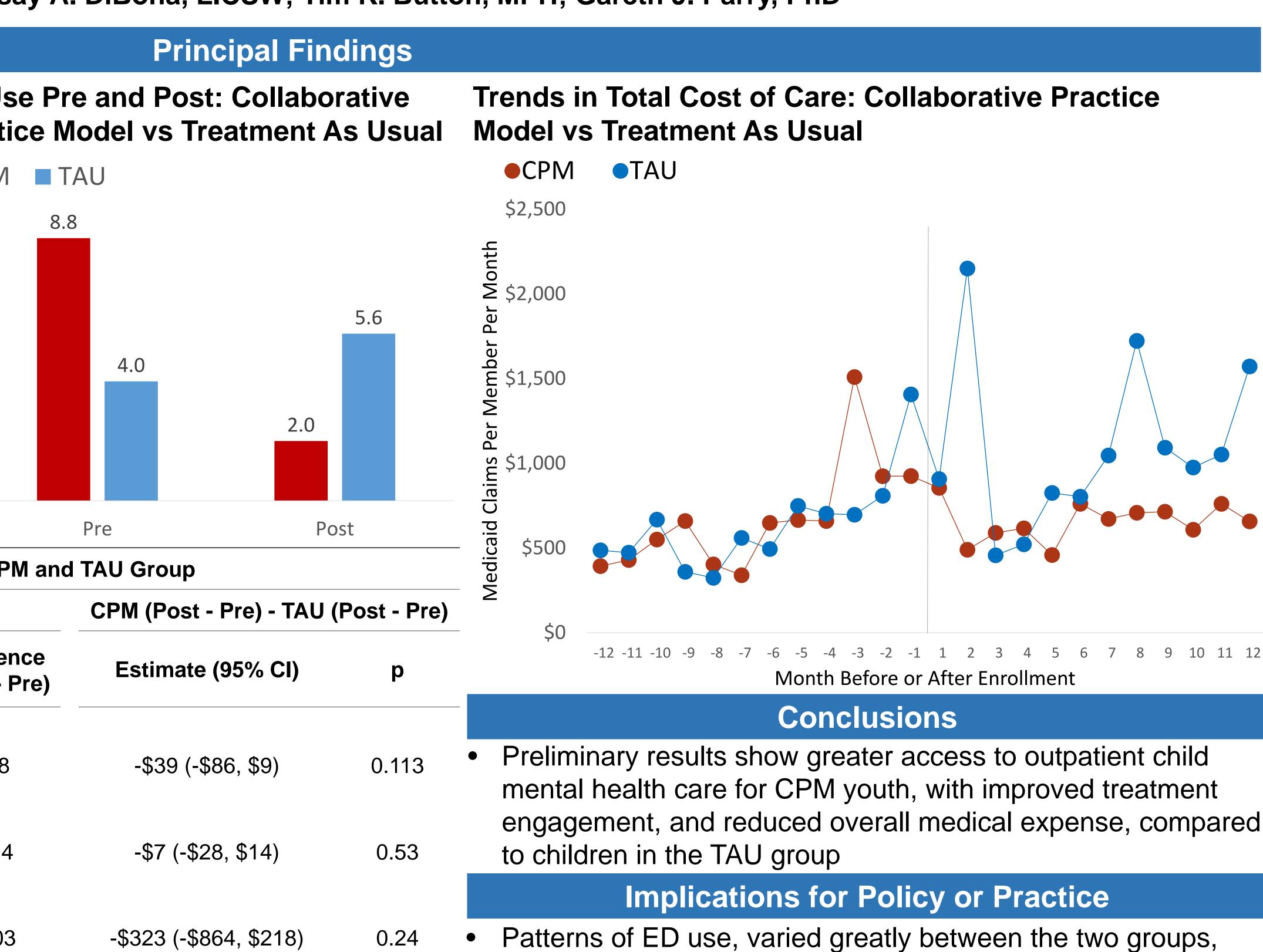
TAU group.

Medicaid Claims 12-months pre to 12-months post enrollment by CPM and TAU Group

	CPM		TAU Comparison	
-	Medicaid Claims PMPM	Difference (Post - Pre)	Medicaid Claims PMPM	Differer (Post - F
Medications	5			
Pre	\$78	-\$11	\$45	\$28
Post	\$67		\$73	
ED				
Pre	\$34	-\$21	\$39	-\$14
Post	\$13		\$25	
Inpatient				
Pre	\$187	-\$120	\$115	\$203
Post	\$68		\$318	
Outpatient				
Pre	\$417	\$70	\$490	\$174
Post	\$487		\$664	
Total				
Pre	\$717	-\$82	\$689	\$390
Post	\$635		\$1,079	

-\$104 (-\$261, \$53)

-\$472 (-\$989, \$45)



reduce the need for ED care

0.194

0.073



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suggesting that improved outpatient mental health access may

The urgent need to test and implement effective interventions for complex youth with mental health needs, especially from populations who have historically faced barriers to care, supports further study of the CPM approach