

Characterizing Non-billable Psychosocial Services in a Pediatric Urology Practice

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BACKGROUND

- Psychosocial needs, which encompass behavioral health and social determinants of health (SDOH), are important mediators of the patient experience and health outcomes.
- Many practices have limited experience with systematically assessing the non-billable psychosocial services provided to patients and families.
- We sought to <u>characterize the non-billable activities of three</u> psychosocial providers in a pediatric urology practice at a freestanding children's hospital.

METHODS

An adapted version of the Care Coordination Measurement Tool (CCMT) was used to collect data prospectively on non-billable activities performed by a psychologist, social worker (SW), and certified child life specialist (CCLS) in a pediatric urology department over six months (April to October 2022).

Data Collected

Activity type (preparation, logistics, navigation support, psychosocial support), time spent per activity, outcomes affected

Demographic Variables

Age, sex, race, state of residence, zip code, insurance type, and primary language spoken



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Non-billable activities performed by psychosocial providers





Total



	Time spent in minutes (%*)			
Activities category	Total	Psychologist	SW	CCLS
Preparation	4752.5 (18.1)	2092.5 (27.5)	1080 (21.8)	1580 (11.6)
Logistics (solo)	5215 (19.8)	3112.5 (40.9)	1075 (21.7)	997.5 (7.3)
ogistics (with others)	3712.5 (14.1)	1572.5 (20.7)	1470 (29.6)	670 (4.9)
Navigation support	532.5 (2.0)	197.5 (2.6)	320 (6.5)	15 (0.1)
Psychosocial support	12065 (45.9)	627.5 (8.3)	1017.5 (20.5)	10420 (76.2)
TOTAL	26277.5 (100)	7602.5 (100)	4962.5 (100)	13682.5 (100)
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*Chi-squared test for homogeneity and pair-wise comparisons with Bonferonni correction p<0.001

Psychosocial providers devote significant **non-billable** time to the direct provision of psychosocial support and care coordination.

Characterizing these activities illuminates aspects of psychosocial care that go unseen and inform resource deployment.





Table 1. Patient characteristics		Table 2. Outcomes affected by psychosocial activities (947 encounters)		
Number of patients	527		N (% of all encounters)	
Median age, yrs (IQR)	9.2 (4.8-12.4)	Outcomes affected by psychosocial activities		
	N (%)	Treatment plan modification (improve management at home,	357 (37.7)	
Sex		reduce unnecessary burden/stress, modification of		
Female	265 (50.3)	testing/medications)		
Male	255 (48.4)		213 (22.5)	
Unknown/Missing data	7 (1.3)	Outpatient coordination (schedule clinic visit, specialty referral,		
Race		community agency referral, completed clinic visit, prevented unnecessary clinic/specialist visit)		
White	284 (53.9)	anneeessary enneyspectatist visity		
Hispanic	61 (11.6)	Treatment plan adherence (completed prior authorization,	180 (19.0)	
Black or African American	35 (6.6)	prevented non-adherence, prevented MD/NP call to family,		
Asian	13 (2.5)	identification of patient and/or caregiver		
Other/Multiracial	68 (12.9)	discomfort/disagreement with plan)		
Unknown/Missing data	66 (12.5)	UDS/VCUG/other testing (completed testing, prevented	100 (10.6)	
Interpreter		cancelled/missed testing)		
No	453 (86.0)	Surgery (completed surgery, prevented cancelled/missed surgery)	21 (2.2)	
Yes	62 (11.8)			
Missing data	12 (2.3)	Medication-related (reconciliation, adherence, identifying side	7 (0 7)	
Primary Insurance Type		effects, prevented discontinuation due to prior authorization)	7 (0.7)	
Private	227 (43.1)			
Public	224 (42.5)	Prevented emergency department visit	1 (0.1)	
International	22 (4.2)	None	517 (54.6)	
Unknown/Missing data	54 (10.2)	Unknown	304 (32.1)	

Table 3. Examples of activities associated with successful completion of surgery

Case 1: 9 y/o male with ADHD and developmental delays, under care of a foster parent, with left maldescended testicle requiring orchidopexy. LICSW submitted authorization to MassHealth for transportation and coordinated with Department of Children and Families (DCF) for consent.

Case 2: 2 y/o male with right hydrocele scheduled for surgery. Mother was a single mother previously residing in homeless shelter. LICSW submitted authorization for transportation and facilitated referral to hospital-based program for survivors of domestic violence.

RESULTS

DISCUSSION

This study found that significant effort was needed for the direct provision of psychosocial support and for coordination of care.

Dedicated psychosocial expertise can improve treatment plan adherence, facilitate completion of testing, and reduce surgery/clinic cancellations. These findings have implications for clinical program development as more systems adopt integrated care models with value-based contracting that reward psychosocial support and care coordination efforts.