

PRESENTER DISCLOSURES

Ashweeta Patnaik

1) The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months:

No relationships to disclose

EPSDT & PCS

- In 2008, 31 million children in the U.S were eligible for Medicaid early and periodic screening, diagnostic, and treatment services (EPSDT)¹.
 - In 2009, almost 3 million children in Texas eligible for EPSDT
- A subset of these children who face serious chronic illness and live in the community also require personal care services (PCS)

PCS

- provided by personal care assistants
- to compensate for limitations in activities of daily living (ADL) and instrumental activities of daily living (IADL)

3

resulting from the child's illness or chronic conditions.

Introdections for Medicare and Medicaid Services

TEXAS PCAF PROJECT

- In a collaborative project with the Texas Health and Human Services Commission, we at Texas A&M University and the Texas A&M University Health Science Center
 - developed an assessment tool (Personal Care Assessment Form 4-20 -- PCAF-4-20)
 - to determine a child's need for personal care services (PCS) in the home.
- Our effort was specifically designed to recognize the reality of home care for children.
- Program staff and health professionals are dependent on reports from informal caregivers for information about a child's needs and strengths.

Introduction

4





- Substantial amount of variation in allocation of PCS hours depends on identity of the case manager completing the assessment
 - R²=0.18
 - one-fifth of the variation in the allocation of PCS for children in Texas may depend on which Case Manager assessed them
- Variation in resource allocation that has no basis in client characteristics can quickly lead to inefficient, inequitable, and potentially ineffective resource allocation.
- When 2 children with the same basic needs receive different levels of service, this introduces inequity into the program.

6

8

Introduction



DATA COLLECTION

• Data collection period:

- September 2008 February 2009 in 9 state health regions
- December 2008 March 2009 in 2 health regions
- Target population:
 - all children, ages 4 20, receiving personal care services through the Medicaid PCS program
- Method:

Introduction

- Regularly scheduled evaluations
- Personal Care Assessment Form (PCAF) 4-20.
- Case managers employed by the Texas Department of State Health Services (DSHS)

• Data:

- 2,842 assessments received
- o 83 assessments (3%) deleted missing data/PCS denied

Methods

INSTRUMENT

• PCAF 4-20:

- Purpose-built for Texas Health and Human Services Commission
- Based on items included in the MDS & the MDS-HC
- Addition/re-formulation of items to apply to children
- Included ADL items: bed mobility, positioning when upright, eating, locomotion inside, locomotion outside, transfer, using toilet, dressing, personal hygiene, and bathing
- rated on a 6 point scale: independent, needs set up only, needs supervision, needs limited assistance, needs extensive assistance, or total dependence.
- Information about the child's health status came from

 Caregiver/client reports recorded by a case manager
- Case manager's unstructured observations of the child during the assessment process.

9

Methods

VARIABLES INCLUDED

• Dependent Variable

- Amount of Personal Care Service (PCS) hours per week
- Authorized by case managers, who completed a 7-day 24hour flow-sheet

Methods



ANALYSIS STRATEGY

- SAS Enterprise Miner 6.1
 - A statistical procedure that used hours as a dependent variables
 - Optimized a model's R² by picking certain breaks on the independent variables included in the model

• Blended approach

- Specifying some aspects of the classification model
- Based on conceptual or clinical considerations
- Letting the software determine specific cut-points

Methods

12

10



DEVELOPING THE MODEL 9 Model 1 Made included only a summary ADL scale (Hands-On ADL scale) **9** Model on ADL Scale **1** Sased on the number of ADLs in which the child needed of ceceived hands-on assistance. **1** Beade on the scale has a clear meaning. **1** Perform Scale (Particular Scale) **1** State Scale (Particular Scale)



EXHIBIT 4: CLASSIFICATION SCHEME FOR 4-20 YEAR OLDS USING AGE AND THE ADL SCALE (N=2,715; Mean hours=25.4; R ² =0.30)					
GROUP (1-14)		NUMBER OF CLIENTS			
4 TO 9 YEARS OF AGE					
1. Hands-On Assistance in up to 4 ADLs	17	443			
2. Hands-On Assistance in 5 or 6 ADLs	22	218			
3. Hands-On Assistance in 7 to 9 ADLs	26	134			
4. Hands-On Assistance in 10 ADLs	29	172			
10 TO 15 YEARS OF AGE					
5. Hands-On Assistance in up to 1 ADL	15	170			
6. Hands-On Assistance in 2 or 3 ADLs	17	147			
7. Hands-On Assistance in 4 or 5 ADLs	22	249			
8. Hands-On Assistance in 6 to 8 ADLs	28	124			
9. Hands-On Assistance in 9 or 10 ADLs	32	241			
16 OR 17 YEARS OF AGE					
10. Hands-On Assistance in up to 7 ADLs	22	177			
11. Hands-On Assistance in 8 to 10 ADLs	37	104			
18 TO 20 YEARS OF AGE					
12. Hands-On Assistance in up to 3 ADLs	24	188			
13. Hands-On Assistance in 4 to 6 ADLs	34	140			
14. Hands-On Assistance in 7 to 10 ADLs	44	208			

Age			
Gender		. /	
ADL needs (a single sca	ale summarizing ADL nee	ds) 🚺	
IADL needs (a single sc	ale summarizing IADL ne	eds)	
Presence of an intelled	tual disability		
Complex medical diag	noses		
Cognitive impairment			
Socially inappropriate/	destructive behavior		
Urinary or bowel incor	itinence		
Bed-bound			
Need for two-person a	ssistance with any ADL		
Use of wheelchair			
Barriers to care by res			
 Responsible adult's sleep Adult responsible for car 			
- Adult responsible for car	c or others in nouschold		

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CORRIDORS AROUND GROUP MEANS					
Group	Hours at 30% of Cumulative Distribution	MEAN HOURS (Percent Cumulative)	Hours at 80% of Cumulative Distribution		
O 9 YEARS OLD					
1. H-OA in up to 4 ADLs	11	17 (54)	23		
2. H-OA in 5 or 6 ADLs	16	22 (56)	30		
3. H-OA in 7 to 9 ADLs	20	26 (55)	35		
4. H-OA in 10 ADLs	21	29 (57)	40		
TO 15 YEARS OLD					
5. H-OA in up to 1 ADL	10	15 (58)	21		
6. H-OA in 2 or 3 ADLs	12	17 (60)	22		
7. H-OA in 4 or 5 ADLs	17	22 (61)	29		
8. H-OA in 6 to 8 ADLs	21	28 (56)	38		
9. H-OA in 9 or 10 ADLs	22	32 (56)	44		
OR 17 YEARS OLD					
10.H-OA in up to 7 ADLs	16	22 (53)	28		
11.H-OA in 8 to 10 ADLs	27	37 (56)	43		
TO 20 YEARS OLD					
12.H-OA in up to 3 ADLs	17	24 (55)	32		
13.H-OA in 4 to 6 ADLs	27	34 (55)	43		
14.H-OA in 7 to 10 ADLs	32	44 (55)	58		





STRENGTHS & LIMITATIONS

- Designed to mimic as closely as possible the current patterns of care provision.
- May or may not reflect the ideal pattern of care provision.
- The classification models represent

Discussion

- the collective wisdom of hundreds of DSHS case managers as they attempt to meet the needs of thousands of children facing a wide variety of challenges in a diverse array of environments.
- the requests for services made by thousands of concerned adults seeking personal care for the children for whom they are responsible.

CONCLUSION

• Average hours/corridors for each group

- Used as potential benchmarks for the administrative review of PCS allocations.
- o By government agencies or
- By child advocacy groups
- Used as rough starting points for the consideration of the services needed by specific children
 by case managers
- Must recognize that the classification model provides a structure based on those characteristics shared by children involved in the PCS program.
- Beyond these shared characteristics, a wide array of special circumstances affect a specific child's care needs and have to be considered in the decision to authorize PCS hours.

23

Discussion

THANK YOU

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22

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