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Pediatric Residents' Attitudes, Knowledge and Skills in Primary Care Behavioral Health Service Delivery

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> Pediatric Residents' Attitudes, Knowledge and Skills in Primary Care Behavioral Health Service Delivery

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Background

Overview

- PCPs positioned to serve increasing number of youth with behavioral health (BH) concerns in
- Common barrier to providing effective care → lack of BH training PCPs receive (Serby et al., 2002)
- emphasized more (Chin et al., 2000) Most PC medicine residency program directors report BH training is important/should be
- Most directors of accredited PC residency training programs in internal medicine/pediatrics acknowledge training on topic is minimal/suboptimal (Leigh et al., 2006)
- competencies for PCPs ightarrow should be acquired via innovations in residency training American Academy of Pediatrics (2009) policy statement \rightarrow key aspirational behavioral health

Exploratory study to quantify pediatric residents' attitudes, knowledge and skills in primary care behavioral health service delivery for purpose of informing future intervention efforts

Data yielded 3 major findings: (1) residents generally scored higher on their knowledge and skills in diagnosing BH conditions than in treating conditions, (2) residents' attitudes and knowledge in their confidence in managing BH conditions were higher than their skills in

Results

response to clinical vignettes, and (3) there were no significant differences in AKSs between interns and upper-level residents

Method

- 40 residents across two pediatric residency programs participated in study (Table 1)
- Residency program sites were flagship hospitals of two large health systems in a northeastern state
- 2 (83.3% participation rate; 40 out of 48 total residents) 28 (out of 30 total residents) participated at site 1 and 12 (out of 18 total residents) participated at site

Survey Tool Development

- Responses were scored by 2 independent raters based on completeness and accuracy when compared The Attitudes, Knowledge and Skills (AKS) Survey, developed by study investigators, includes 23-items
- ADHD evaluation, 0-16; ADHD treatment, 0-9; anxiety evaluation, 0-11; anxiety treatment 0-3; with current evidence-based practice parameters of the AAP and AACAP; Possible scores ranged:

depression evaluation, 0-15; depression treatment, 0-8; suicide evaluation, 0-3; suicide safety plan, 0-3

Data Collection

Surveys were administered separately for R1s and R2/3s within the first quarter of the training year

Conclusions

- competencies of future pediatricians Findings underscore the need cited by the AAP9 to improve behavioral health
- Just as important as developing residency training enhancements to improve innovative residency training Findings provide quantitative data in which to compare future evaluations of
- This study may provide the first step in this process

evaluated in methodologically-rigorous designs

primary care BH delivery, arguably may be how these enhancements are

Limitations

90.9

77.8

2-10

2-10 2-10

81.8 13.6 54.6

30.3 72.2

R1s 17 5 22 27.8

パーカット

Score Rang

2-10

6.94 (6.16,7.73) 6.18

R2/R3s

6.47

(5.39, 6.91)

7.27

1-10

5.56 6.15 Average Score (95% Confidence Interval)

Site 1

Site 2

- Generalizability of these residents to those across the nation may be limited covariates such as individual pediatric board exam scores, particularly the psychiatry sub-section scores without controlling for other demographic, educational/training, and competency
- Attitudes and knowledge data were self-reported and thus subject to bias
- On the skills tests, there were higher score ceilings for evaluation ratings than for
- preexisting psychometric properties of the measure are not available measures that focus specifically on resident's AKSs in behavioral health, thus The survey was developed by study investigators due to a lack of existing



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(4.62,6.38) 6.47 (5.84,7.11)

(5.43,7.01) (4.07, 6.22) (5.53,7.36) (3.55, 5.27)(4.31, 5.84)(4.50,6.10) (5.64, 6.88)(5.05, 6.51)

(5.96, 7.46) (4.20,5.64) (4.89, 6.21)(4.90,6.21) (6.00,7.11) (5.33, 6.51)(6.71, 7.87)(5.12,6.46) (5.83, 7.12)

5.55 6.71 4.92

5.15 6.44

6.36 (4.89,7.84)

3.15 (2.68,3.63) 2.39 (2.10,2.67)

2.95,4.13

2.65 (1.89,3.40) 1.94 (1.50,2.38) 2.65 (1.91,3.38) 2.29 (1.92,2.67) 1.35 (1.11,1.59) 1.29 (1.06,1.52)

2.62 (2.12,3.11) 2.00 (1.72,2.28)

1.92,3.25) 1.69,2.49

2.71 (2.29,3.12)

3.21 (2.70,3.71) 2.36 (2.06,2.66)

3.41 (2.73,4.08) (1.89,2.70)

Site 1

Site 2

RI

R2/3

7.09

(6.10,8.62) (5.20,7.16) (5.70, 7.75) 5.55 5.55

5.07 5.30 6.26 5.78

(5.10,7.27) 6.73

4.41

6.18

6.55 5.92 7.29 5.79

(5.25,7.30) 7.73 (6.67,8.79) (6.14,8.40) 6.36

6.27

(6.18,8.37) 6.18

7.11 (6.42,7.80)

(4.73, 6.38)

(5.26, 7.46)