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Trauma-informed training on ACEs improves provider confidence on screening and treating their prenatal patients

Exploring OB/GYN provider knowledge, practice and confidence levels before and after ACEs training

Nadi Nina Kaonga, Alexandra Turnbull, Paula Vokey, Julia Brock and Team BRACES

Background

- Adverse childhood experiences (ACEs) impact future health and well-being¹⁻²
- MMC Pediatrics routinely screens and treats ACEs; MMC OB/GYN does not and providers are not trained
- Gap/opportunity to screen and treat for ACEs in routine prenatal care with hypothetical benefit of disrupting the cycle before child is born³⁻⁵

Objectives

- To increase provider confidence in screening for ACEs in the prenatal setting through providing comprehensive training to staff
- To obtain an understanding of provider baseline levels of knowledge and practice with ACEs
- To improve future trainings based on participant feedback

Methods

- Obtained exemption from MMC IRB in December 2019
- Trauma-informed ACEs trainings tailored to prenatal care provided to MMC OB/GYN clinic staff (January-March 2020)
- Pre- and post-training surveys sent to participants via email (voluntary and anonymous)
- Data analyzed in Excel using descriptive statistics and thematic analyses

Findings

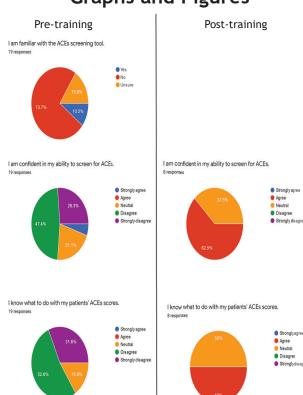


- · 68% of staff trained
- · Most (74%) not familiar with ACEs screening tool
- Most (74%) not confident in screening for ACEs and most (72%) looked forward to the training
 - Minority (28%) who didn't look forward to training expressed screening and training fatigue
- Majority (63%) felt confident in screening for ACEs post-training and most (88%) attributed that confidence to the training
- Post-training, most (88%) knew what the ACEs score meant and intended to routinely screen for ACEs in their practice
- Most (88%) agreed or strongly agreed that training learning objectives were clear, appropriate and had been met
 - · No responses were provided to improve the training
- Limitations: response rate and attrition, selection and reporting bias, halo effect bias

Next Steps

- · Routine screening for ACEs in prenatal setting
- Follow-up studies intended to investigate initial integration and longer-term outcomes (presently limited comprehensive rollout due to prioritization of pandemic response)

Graphs and Figures









ACEs screener and references

Adverse Childhood Experience (ACE) Questionnaire Finding your ACE Score

 Did a pare 	nt or other	adult in the househo	old often:			
		sult you, put you do		liate you?		
	Or			-		
Act is	n a way tha	t made you afraid th	at you migh	t be physically hurt?		
	Yes	No	_		If yes, enter 1:	
2. Did a pare	nt or other	adult in the househo	old often:			
Push	, grab, slap	or throw something	at you?			
	Or					
Ever	hit you so	hard that you had ma	arks or were	injured?		
	Yes	No			If yes, enter 1:	
		n at least 5 years old				
Touc		you or have you tou	ich their boo	ly in a sexual way?		
	Or					
Try to		y have oral, anal, or	vaginal sex v	vith you?		
	Yes	No			If yes, enter 1:	
4. Did you of						
No o		family loved you or t	hought you	were important or speci	ial?	
	Or					_
Your			other, feel c	lose to each other, or su		?
	Yes	No			If yes, enter 1:	
5. Did you of						
You		enough to eat, had	to wear dirty	clothes, and had no on	e to protect you?	
V	Or	one to a dominic an inter-		f	la a da atau Mara	and add to D
Your		_	to take care	e of you or take you to t		
C 18/au	Yes	No	Chann		If yes, enter 1:	
o. were your		er separated or divo	rcea r		If was ambout 4	
7. Was your i	Yes	No			If yes, enter 1:	
		rabbed, slapped, or	had sameth	ing thrown at her?		
Offer	n pusnea, g Or	granneu, siappeu, or	nau sometn	ing unown achers		
Same		ften kicked hitten	nit with a fie	t, or hit with something	hard?	
Some	Or	riveri kicked, bitteri, i	ne wiell a 1151	c, or me with something	nulu:	
Fver		hit over at least a fe	w minutes o	or threatened with a gur	or knife?	
FAGI	Yes	No	w minutes t	n uncateneu with a gui	If yes, enter 1:	
B. Did you liv			em drinker o	or alcoholic who used st		***************************************
o. Dia you liv	Yes	No	em uninci c	or arealionic willo asca st	If yes, enter 1:	
9. Was a hou			nentally ill or	r did a household memb		
	Yes	No	y iii Oi	u nouselloid illellib	If yes, enter 1:	
10. Did a hou		mber go to prison?			,,	
	Yes	No			If yes, enter 1:	
					,,	
	N	ow, add up your "	Yes" answe	ers: This i	s vour ACE score	e.
Demographi					,	
Age:		Gender:		Race/Ethnicity:		Zip Code:
		Male:		White/Caucasian:		
		Female:		Latino/Hispanic:		_
	-	Transgender:		African American:		
		Decline to State: _		Asian/Pacific Islander:		_
				American/Alaskan Nat		_
				Other:		

- 1.Felitti VJ et al (1998). Relationship of childhood abuse and household dysfunction to many of the leading causes of death in adults. The Adverse Childhood Experiences (ACE) Study. Am J Prev Med, 14(4): 245-258.
 - Also accessible via CDC ACEs website:
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