# Caring for the Caregiver: Assessing Burnout Amongst Federally Qualified Healthcare Center Providers in the Mid-Atlantic **Region to Inform the Development of an Evidenced-Based Wellness Program**

# Janice K. Williams, DNP, MSN, FNP-BC, BSN-RN; Sharon Kozachik, PhD, RN FAAN; Aaronissa Alleyne, Vice President of Human Resources John Hopkins School of Nursing

# Background

- Health service occupations (FQHCs and look a-likes) experience higher rates of burnout compared to other professions.
- > 30-70% of healthcare providers experience burnout.
- Provider's experiencing burnout have increased psychological and physical conditions. Male physicians have 1.4 and females have 4.1 increase risk of suicide compared to general population.
- Burnout has been identified as a response to intense engagement and constant communication with people and or co-workers. Burnout is composed of 3 domains
  - Emotional exhaustion feeling emotionally drained as a result of the interaction
  - **Depersonalization Development of cynical attitude and responses toward co-workers and/or the bene**ficiaries of the services provided
  - Reduced personal accomplishment feelings of incompetence and unsuccessful achievement in one's work with people
- Provider burnout impacts all levels of a healthcare system: Organization, Provider, Patient
- > Provider burnout reduces a patients access to acute, chronic or preventative healthcare services.
- Contributes to poor health outcomes: increased mortality, morbidity, delayed diagnosis and misdiagnosis; increased healthcare cost as a result of increased prescriptions and referrals.
- > Increased prevalence of burnout is associated with increased healthcare demands, poor patient outcomes, increased healthcare cost, and reduction in provider's psychological and physical well-being.
- > Organizational factors contributing to FQHC provider burnout include: (1) poor communication, (2) staffing shortages, (3) limited resources, (4) outdated technology, (5) lack of control over schedule, and (6) inadequate training.
- > Personal factors contributing to burnout include: (1) personal issues, (2) feeling of incompetence, (3) unrealistic expectations, (5) feeling of loss of control (6) gender, (7) age, (8) marital status and (8) family size.

# **Objectives**

To understand burnout amongst federally qualified healthcare center (FQHC) providers employed at a multisite center in the Mid-Atlantic Region, to inform the development of a wellness program designed to mitigate work related burnout

# Methods

## **Study Design**

A cross-sectional survey assessing the three components of work related burnout was administered to healthcare providers, employed at a multisite community health center in the Mid-Atlantic Region. Analysis of the MBI-HSS survey results paired with literature review informed the development of an evidenced-based provider wellness program to mitigate the impact of burnout amongst FQHC healthcare providers.

## **Population**

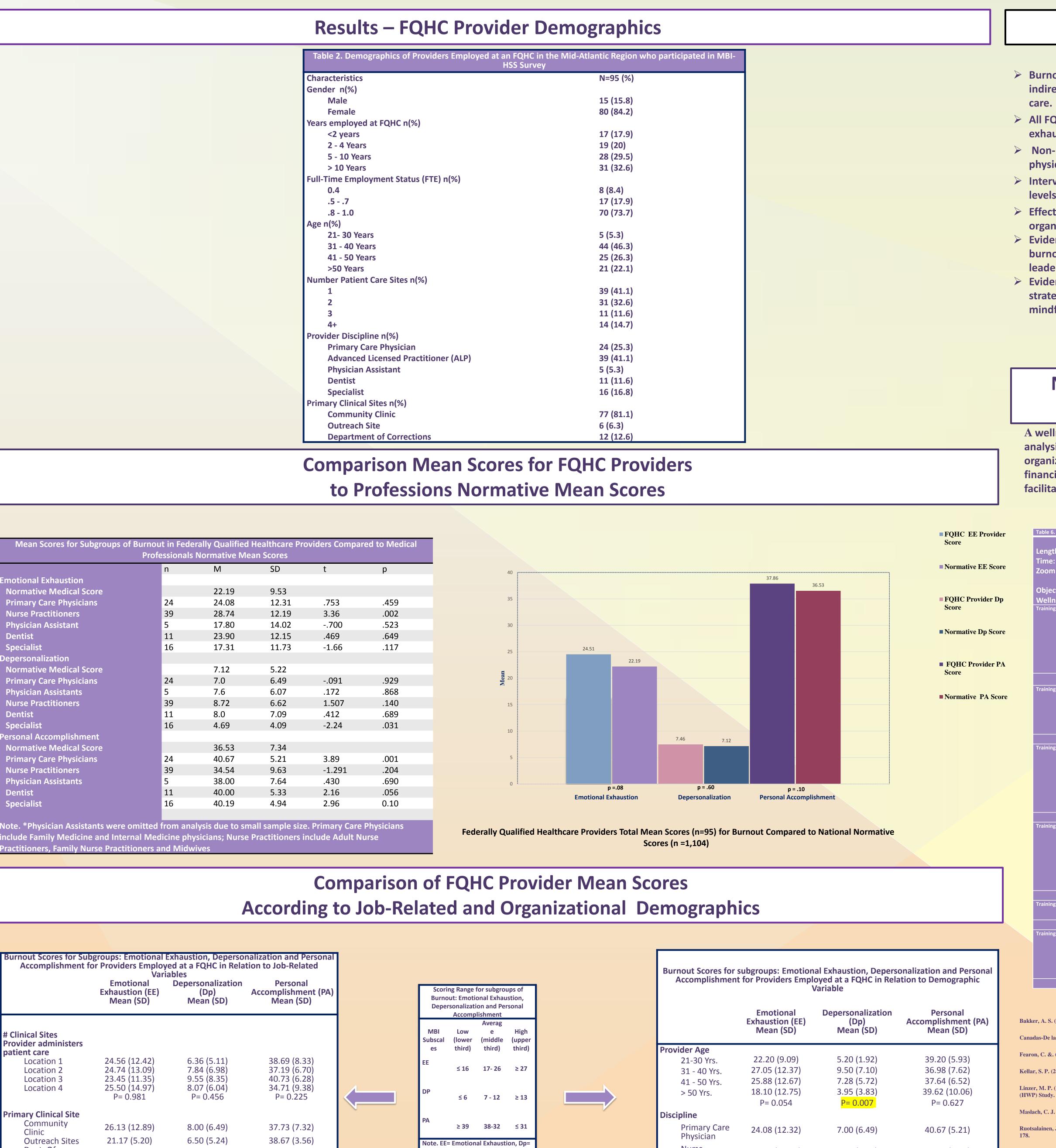
- > A convenience sample of 232 providers (who provide direct patient care) employed within a large urban multisite FQHC in the Mid-Atlantic region
- Provider specialties included: internal and family medicine physicians, dentist, midwives, obstetricians, gynecologist, family, adult and pediatric nurse practitioners, physician assistants, infectious disease physicians, gastroenterologist and specialist

### Measurement

- Maslach Burnout Inventory Survey (MBI-HSS) electronic version
  - 22-item Likert scale questionnaire
  - **Response range from 0 to 6. 0= Never, 1=few times a year or less, 2= Once** a month or less, 3= A few times a month, 4= Once a week, 5= A few times a week, and 6 = everyday.
- The MBI-HSS survey evaluates three components of burnout:
  - > (1) Emotional exhaustion (EE) being emotionally overextended and exhausted by one's work (9 questions)
  - > Depersonalization (Dp) unfeeling and impersonal response toward
  - recipients of one's services, care, treatment, or instruction (5 questions) Personal accomplishments (PA) – feelings of competence and successful
  - achievement in one's work with people (8 questions)

## **Data Analysis**

- > Burnout was analyzed as three continuous variables: emotional exhaustion,
- depersonalization and reduced personal accomplishment
- > IBM SPSS version 25 (IBM Corp., Released 2017) was the software program used to analyze the data.
- > Descriptive statistics were calculated: distribution, frequency and proportions.
- > One sample t test analyzed FQHC provider mean scores against normative provider mean scores provided in MBI-HSS survey manual.
- > Multiple regression model was fit to predict associations between variables and describe relationships.



	n	Μ	SD	t	р	
motional Exhaustion						
Normative Medical Score		22.19	9.53			
Primary Care Physicians	24	24.08	12.31	.753	.459	
Nurse Practitioners	39	28.74	12.19	3.36	.002	
Physician Assistant	5	17.80	14.02	700	.523	
Dentist	11	23.90	12.15	.469	.649	
Specialist	16	17.31	11.73	-1.66	.117	
epersonalization						
Normative Medical Score		7.12	5.22			
Primary Care Physicians	24	7.0	6.49	091	.929	
Physician Assistants	5	7.6	6.07	.172	.868	
Nurse Practitioners	39	8.72	6.62	1.507	.140	
Dentist	11	8.0	7.09	.412	.689	
Specialist	16	4.69	4.09	-2.24	.031	
ersonal Accomplishment						
Normative Medical Score		36.53	7.34			
Primary Care Physicians	24	40.67	5.21	3.89	.001	
Nurse Practitioners	39	34.54	9.63	-1.291	.204	
Physician Assistants	5	38.00	7.64	.430	.690	
Dentist	11	40.00	5.33	2.16	.056	
Specialist	16	40.19	4.94	2.96	0.10	

	for Providers Employ		nalization and Personal tion to Job-Related				
	Emotional Exhaustion (EE) Mean (SD)	Depersonalization (Dp) Mean (SD)	Personal Accomplishment (PA) Mean (SD)	Burno	out: Emoti rsonalizat	for subgrou onal Exhau ion and Peu lishment	ustion,
# Clinical Sites Provider administers patient care				MBI Subscal es	Low (lower third)	Averag e (middle third)	High (uppe third)
Location 1 Location 2 Location 3	24.56 (12.42) 24.74 (13.09) 23.45 (11.35)	6.36 (5.11) 7.84 (6.98) 9.55 (8.35)	38.69 (8.33) 37.19 (6.70) 40.73 (6.28)	EE	≤ 16	17- 26	≥ 27
Location 4	25.50 (14.97) P= 0.981	8.07 (6.04) P= 0.456	34.71 (9.38) P= 0.225	DP	≤ 6	7 - 12	≥ 13
Primary Clinical Site Community Clinic	26.13 (12.89)	8.00 (6.49)	37.73 (7.32)	РА	≥ 39	38-32	≤ 31
Outreach Sites	21.17 (5.20)	6.50 (5.24)	38.67 (3.56)	Note. EE	= Emotion	al Exhaust	ion, Dp=
Dept. Of Corrections	15.75 (10.81)	4.50 (4.85)	38.25 (12.23)	Deperso	nalization	, PA= Perso	-
Corrections	P= 0.024	P= 0.118	P= 0.945	Accompl	Isnment		
FTE status							
<.4 FTE .57 FTE	22.25 (13.19) 23.06 (12.01)	6.88 (4.91) 5.12 (3.94)	34.25 (7.92) 36.82 (10.25)				
.8-1.0 FTE	25.00(12.01) 25.11(12.97) P= 0.734	8.10 (6.80) P= 0.209	38.51 (7.14) P= 0.293		MBI	-HSS	
Years Employment		1 0.203	1 0.233		_		_
<2 years 2 - 4 Years	20.24 (12.58) 29.53 (11.35)	5.59 (6.02) 9.26 (6.41)	38.94 (10.37) 34.63 (7.99)	G	radin	g Sca	le
5 - 10 Years	29.04 (12.37)	10.32 (6.83)	36.21 (6.66)				

4.81 (4.39) P= 0.002

12.68 (11.79) P= 0.004

> 10 Years

40.71 (6.27) P= 0.029

Physician Nurse 28.82 (12.78) Practitioners Physician 17.80 (14.02) Assistants 28.20 (8.11) **Midwives** 23.91 (12.15) Dentist 17.31 (11.73) Specialist P= 0.049 Gender

Male Female

4.69 (4.09) 40.19 (4.94) P= 0.017 P= 0.425 5.27 (5.87) 39.80 (10.90) 37.49 (7.17) 7.88 (6.32) P= 0.142 P= 0.298

8.59 (6.35)

7.60 (6.07)

9.60 (9.10)

8.00 (7.09)

17.80 (12.32)

25.76 (12.48)

P= 0.025

35.03 (9.74)

38.00 (7.65)

31.20 (9.09)

40.00 (5.33)

## Conclusion

Burnout of providers employed at Federally Qualified Healthcare Centers (FQHC) has an indirect effect on the healthcare system, by reducing provider's ability to provide quality

> All FQHC providers experience some degree of burnout within the domains of emotional exhaustion and depersonalization

Non-physician FQHC providers experience higher levels of burnout compared to their physician colleagues

Interventions aimed at mitigating burnout amongst FQHC providers must consider: all levels of the healthcare system, internal and external factors and available resources Effective Evidenced-Based interventions requires a collaborative effort between organization and the individual

> Evidenced-based organizational interventions identified to mitigate the impact of burnout include: shift rescheduling, reducing workloads, enhanced teamwork, creative leadership and/or structural changes, mentoring, clinical supervision and support. > Evidenced-based personal interventions identified to reduce burnout include: coping strategies (problem and emotion focused), peer-support, stress management mindfulness, small-group trainings, self-awareness

# **Next Steps: Evidenced-Based Practice (EBP)** Wellness Coach Training Program

A wellness coach program developed from the results of the literature search and data analysis will expand access to wellness resources and potentially improve provider's organizational commitment. A wellness coach program is cost-effective with minimum financial demands. Furthermore, a wellness coach training program enhances peer support, facilitates behavioral change and employee job satisfaction and retention.

· 6.		
	Provider Wellness Training	
gth: 6 month		
	1 <sup>st</sup> Tuesday of every month (total 6 months)	
m Session: 3	80 minutes 3 <sup>rd</sup> Tuesday of every month (wellness support)	
ective: Train	and Equip FQHC Providers to assist staff to mitigate burnout through use	of implementing Evidenced-based
Iness Trainir		
ing 1	Welcome .5	Medical Provider Liaison Human
	Orientation - 45min	Resource Dept.
	Buddy Training 1.5hr – Organization Resource	
	Active Listening 1 – Organization Resource	
	Question/Answer – 15 min	
	Trainer Monthly Zoom Session 20 minutes	
ing 2	Trainer Monthly Zoom Session 30 minutes	
	Listening Essentials – 1hr - Organizational Resource	Human Resources Dept.
	Dealing with Personality Clashes 1 hr.	Certified Mindfulness Meditation
	Diversity in the Workplace – 1hr	Instructor
	Recognizing signs of burnout 30 min	Psychiatry
	Discussing burnout/wellness with staff	
ing 3	Trainer Monthly Zoom Session 30 minutes Tools	Psychiatry Dept.
		Certified/Mindfulness Instructor
	<ul> <li>Coping Skills – 1 hr.</li> <li>Meditation Course – 1hr</li> </ul>	Human Resource Dept.
	<ul> <li>Individual – effective meditation app (UC San Diego Mindfulness</li> </ul>	Human Resource Dept.
	Resources) - 30min	
	How to perform coaching sessions – 1 hr.	
	Trainer Monthly Zoom Session 30 minutes	
ing 4	Tools	Licensed Clinical Social Worker
	How to Assist staff with developing career plan	
	- Process for Advancement in organization	
	Resources Available to Unity Employees	
	(HR Dept.)	
	Creative Leadership – Organizational Resource	
	Role Play	
	Trainer Monthly Zoom Session 30 minutes	
ng 5	Tools	Certified/ Mindfulness Meditation
	Resources available to staff	Instructor
ng 6	Trainer Monthly Zoom Session 30 minutes	Human Pasaursas
	Evaluation/Next Steps	Human Resources Medical Provider Lipicon
	<ul> <li>Provider tool kits (each Coach given 1)</li> <li>Developed with assistance of human resources, psychiatry and</li> </ul>	Medical Provider Liaison
	- Developed with assistance of human resources, psychiatry and	Human Resources
	senior leadership	Psychiatry
	Sign-Up sheet for trainer      Determine schedule for future wellness coach support sessions (a)	Licensed Clinical Social Worker
	Determine schedule for future wellness coach support sessions (qu	uarteriy) z nours
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