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Diversity in the APRN Workforce: Evidence and Impact

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Before we begin.





Objectives

- 1.Establish what the racial and ethnic composition of the APRN workforce? How is advanced practice nursing impacted by the lack of DEI?
- 2. How do APRN regulators, other stakeholders and patients benefit from improved DEI? Are there patient safety, access or quality implications?
- 3.Discuss the quality of our DEI data? Is it good, If not, why not and how does this lack of data impact the overall APRN workforce data picture?
- 4.Define what the current environment and barriers to increasing DEI in the APRN work force are? Discuss barriers or a lack of DEI in the regulation of APRNs and the larger APRN workforce as well as stakeholder groups such as professional organization leadership?
- 5. Provide examples of strategic activities to improve and advance DEI objectives



An acknowledgment

• Diversity is expressed in multiple forms, including but not limited to, race/ethnicity, gender and gender identity, sexual orientation, socioeconomic status, national origin, religious beliefs, age, (dis)ability status, and political views.



What do we mean by workforce diversity?

 Diversity in health occupations is measured by the representation of minority groups in a health occupation relative to their representation in the U.S. workforce. • Lower representation of racial and ethnic group members in a health occupation relative to their numbers in the general population signifies that the racial or ethnic group underrepresented in the occupation.

Penn Nursing How Diverse is the APRN Workforce?

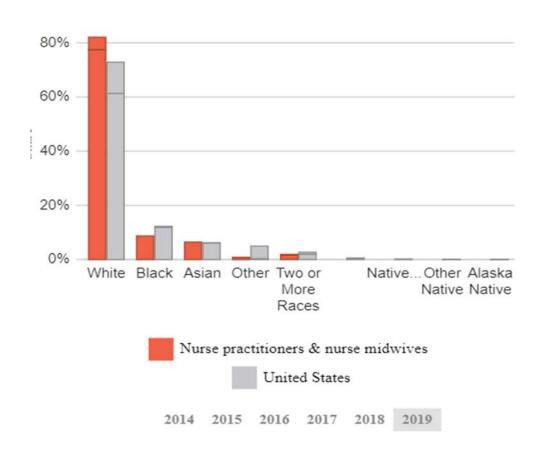
Table 2: U.S. Health Occupations by Race/Ethnicity, 2011-2015

	Hispanic	Non-Hispanic					
		White	Black	Asian	American Indian/ Alaska Native	Native Hawaiian and Other Pacific Islander	Multiple/ Other Race
U.S. Workforce ² (#)	25,776,728	102,850,895	18,597,223	8,534,837	902,977	251,578	2,910,645
U.S. Workforce ² (%)	16.1	64.4	11.6	5.3	0.6	0.2	1.8
*	×	Heal	th Occupations	3	*	× :	×
		Community and	Social Services	Occupations			
Counselors	10.7	64.6	18.8	2.8	0.8	0.1	2.2
Social Workers	12.0	60.6	21.5	3.0	0.8	0.1	2.0
	1	Life, Physical, and	l Social Science	s Occupations		l.	2
Psychologists	6.3	83.5	4.9	3.4	0.2	(0.0)	1.6
	Health	Diagnosing and	Treating Practi	tioners Occup	ations		.a.
Advanced Practice Registered Nurses ⁴	4.5	84.0	5.7	4.1	0.2	NR	1.3
Chiropractors	3.7	86.7	1.9	5.4	0.5	NR	1.8
Dentists	6.1	74.8	3.0	14.3	(0.1)	NR	1.7
Dietitians and Nutritionists	8.5	68.7	15.0	6.0	0.3	(0.1)	1.4
Optometrists	3.9	78.4	1.8	13.7	NR	NR	1.8
Pharmacists	3.7	70.4	5.9	17.9	0.2	0.1	1.8
Physicians	6.3	67.0	4.8	19.6	0.1	0.0	2.1
Physician Assistants	10.0	72.7	7.1	7.3	0.6	NR	2.2

U.S. Department of Health and Human Services, Health Resources and Services Administration, National Center for Health Workforce Analysis. 2017. Sex, Race, and Ethnic Diversity of U.S, Health Occupations (2011-2015), Rockville, Maryland.



 77.5% of Nurse Practitioners & Nurse Midwives are White (Non-Hispanic), making that the most common race or ethnicity in the occupation. Black (Non-Hispanic) is the second most common race or ethnicity in this occupation, representing 8.72% of Nurse practitioners & nurse midwives.



Source: Data USA, U.S. Census Bureau, American Community Survey 2019



What about APRN specialties?

• 12,990 AMCB-certified midwives in the United States

Race				
	n	%		
American Indian or Alaska Native	75	0.58		
Asian	216	1.66		
Black or African American	890	6.85		
More than one race	80	0.62		
Native Hawaiian or other Pacific Islander	25	0.19		
White or Caucasian	11104	85.52		
Other Race	168	1.29		
I choose not to respond	426	3.28		

Ethnicity				
	n	%		
No, Not Hispanic/Latino	11651	89.78		
Yes, Hispanic/Latino	614	4.73		
I choose not to respond	712	5.49		

American Midwifery Certification Board (AMCB), 2020 Demographic Report https://www.amcbmidwife.org/docs/default-source/reports/demographic-report-2019.pdf?sfvrsn=23f30668 4



What about APRN specialties?

Nurse Anesthetists

REGISTERED NURSES

CRNAs

CRNAs of Color

4M

59K

12%*

*3% African American | 4% Hispanic | 4% Asian/Pacific Islander | 0% Native Indian | 1% Other/Non-Caucasian | 88% White

Statistics Compiled from the *Registered Nurses – American Nurses Association * CRNAs (2020 AANA Profile Survey)

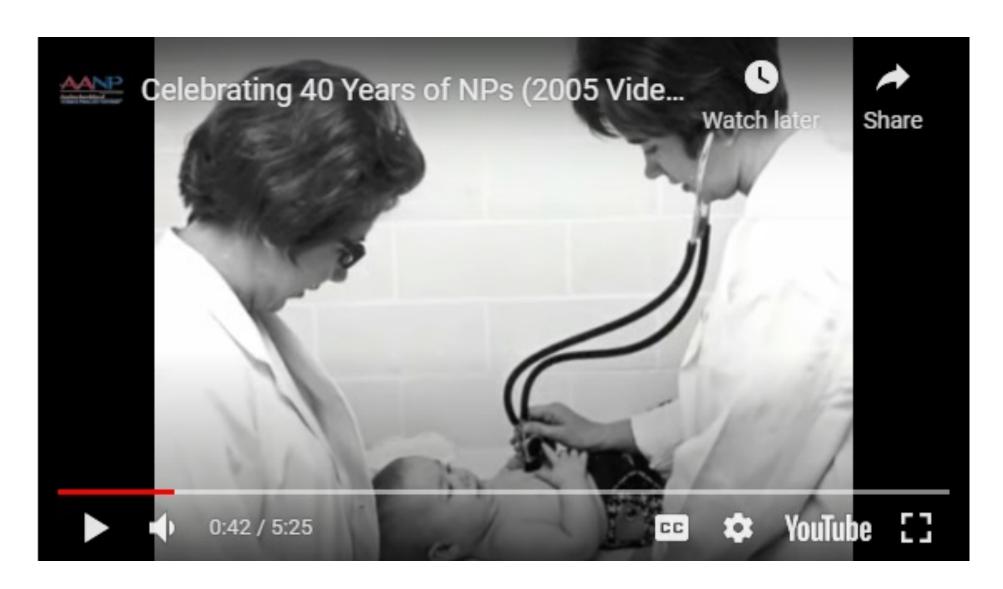


How good is the data?

There is data but it is often hidden, incomplete, or obscured.

Experiences? Historical contributions of APRNs of Color? Impact?

The lack of sufficient data about the contributions of APRNS of color and the limited representation of APRNs from diverse backgrounds "whitewashes" the profession and fails to provide students of color an archetype toward which they can aspire.



https://youtu.be/YNMki0i88xA

THEMED ISSUE

The perils of not knowing the history of the nurse practitioner role

Berg, Judith A. PhD, RN, WHNP-BC, FNAP, FAAN, FAANP (Clinical Professor Emerita)¹

Author Information ⊗

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602-609

doi: 10.1097/JXX.00000000000000441

 To better understand how the NP role developed, what pushback was met from health care professionals and patients that hindered practice and how this was resolved, how NP practice has changed, and pearls of wisdom for contemporary NPs were questions asked of six pioneer NPs (female, n = 5; male, n = 1)



How do we improve?

What are the consequences of limited APRN diversity (patient safety, access and quality)?





How did we get here?

Any forward progress in workforce diversity must acknowledge that the composition of the current APRN workforce did not happen in a vacuum.

How did we get here?

- Limited Diversity in the RN Workforce:
 - Nearly 81% of RNs reported being White/Caucasian. RNs who reported being Asian accounted for 7.2% of the workforce, representing the largest non-White racial group in the RN workforce.
 - Black/African American RNs increased from 6.0 % in 2013 to 6.7 % in 2020 and the proportion of RNs reporting being Hispanic/Latinx also increased from 2017.
 - Limited diversity among APRN Faculty
 - NONPF Calls for Greater Racial and Ethnic Diversity in Nurse Practitioner Education August 2018

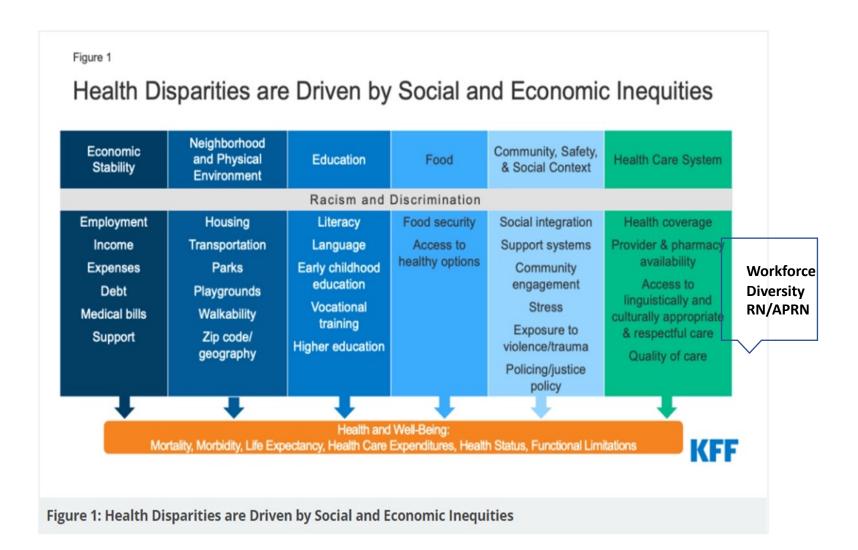


Systemic and Structural Racism

- Decades of restrictive admissions policies
- Admissions criteria with little predictive value [GRE]
 - Hostile educational and work environments



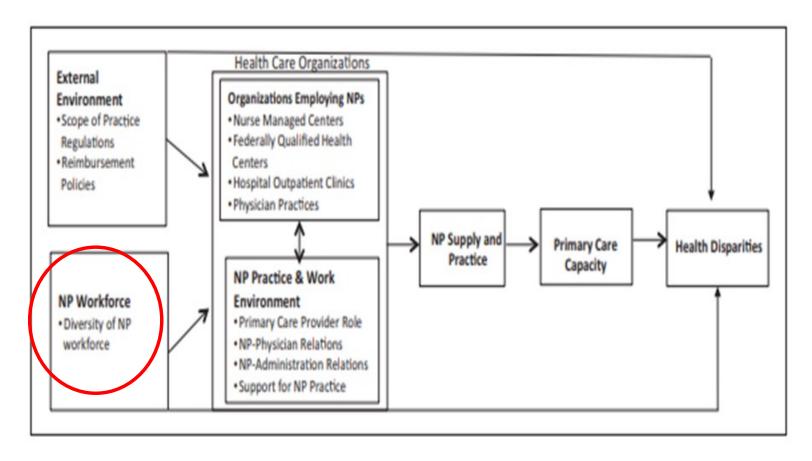
Structural and Systemic Racism linked to health disparities.





The Nurse Practitioner Health Disparities Model

Demonstrates the possible mechanisms through which each component of the model may influence racial and ethnic health disparities.





Representation Matters

- Access/Utilization. APRNS from diverse backgrounds may be more likely to work in underserved communities.
- **Culturally responsive.** APRNs from underrepresented backgrounds bring diverse perspectives to care for patients and enhance culturally responsive care.
- Rapport. Mitigate feelings of alienation as many minority community members express frustration due to experiences of overt discrimination or bias from the healthcare system and providers, often lead to mistrust and avoidance of healthcare services.

Evaluate Cumulative Disadvantage

- APRN Diversity, Inclusivity and Equity
 - Structural/systemic racism

 Regulation: Scope of Practice

Practice environments

- Payment
- Primary Care Capacity
- APRN workforce supply

Health Disparities

- Access
- Quality
- Outcomes



Evidence



Contents lists available at ScienceDirect

The Journal for Nurse Practitioners

journal homepage: www.npjournal.org



Original Research

Supportive Clinical Practice Environments Associated With Patient-Centered Care



J. Margo Brooks Carthon, PhD, ANP, Heather Brom, PhD, NP-C, Lusine Poghosyan, PhD, RN, Marguerite Daus, BSN, RN, Barbara Todd, DNP, ACNP-BC, Linda Aiken, PhD, RN

We evaluated survey responses of NPs working in more than 1,500 practices who were asked how frequently they integrate patient preferences into care.

Determine whether NP integration of patient's needs and preferences into care is associated with characteristics of the practice environments where they are employed.



Evidence/Impact

Table 1
Characteristics of Nurse Practitioners (NPs) and Differences Between NPs Who
Frequently Integrate Patient Preferences Into Care and NPs Who Do Not

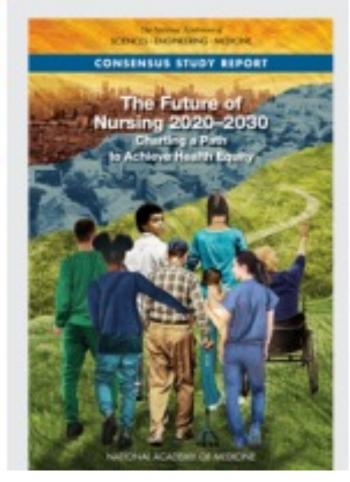
NP Characteristics	Total Sample (n = 1,783)	NPs Who Frequently Integrate (n = 1,354; 75.95	NPs Who Do Not Frequently Integrate (n = 429; 24.1%)	P
Age, years, mean (SD)	49.1 (10.9)	49.7 (10.8)	47.0 (10.9)	.019
Years RN, mean (SD)	20.5 (12.8)	21.0 (12.9)	18.7 (12.4)	<.001
Years NP, mean (SD)	13.4 (9.4)	13.4 (9.3)	13.1 (9.5)	.430
Years in current position, mean (SD)	8.1 (7.5)	8.1 (7.6)	8.1 (7.0)	.895
Sex, n (%)				.180
Female	1,636 (91.8)	1,238 (75.7)	398 (24.3)	
Male	140 (7.9)	113 (80.7)	27 (19.3)	
Ethnicity, n (%)				.037
Non-Latino	1,446 (81.1)	1,068 (73.9)	378 (26.1)	
Latino	106 (6.0)	88 (83.0)	18 (17.0)	
Race, n (%)		DANS SIGNATURE CO.		.003
White	1,539 (86.3)	1,144 (74.3)	395 (25.7)	
Black	75 (4.2)	67 (89.3)	8 (10.7)	
Asian	765 (4.2)	63 (84.0)	12 (16.0)	
English first language, n (%)				<.00
Yes	1,619 (90.8)	1,211 (74.8)	408 (25.2)	
No	158 (8.9)	138 (87.3)	20 (12.7)	
Job status, n (%)	TO SECURITY OF SHAPE OF	95 2500000000000000000000000000000000000	10.1000.000000	.417
Full time	1,251 (70.2)	955 (76.3)	293 (23.7)	
Part time	506 (28.4)	377 (74.5)	129 (25.5)	

Totals may not equal 100% due to missing data.



What do we do?

"While higher proportions of POC individuals (with the exception of Hispanics) are obtaining a master's or PhD degree, and especially a DNP degree, APRNs have a long way to go to match RNs in achieving a more diverse workforce.... The APRN workforce will need to rapidly become more diverse over the decade or it will fall further behind in reflecting the racial make-up of many of the people it serves."



National Academies of Sciences, Engineering, and Medicine; National Academy of Medicine; Committee on the Future of Nursing 2020–2030; Flaubert JL, Le Menestrel S, Williams DR, et al., editors. The Future of Nursing 2020-2030: Charting a Path to Achieve Health Equity. Washington (DC): National Academies Press (US); 2021 May 11, Chapter 3.



What do we do?

Integrate DEI into mission, vision and values. Organizing frameworks for DEI strategies/tactics/metrics

Add DEI into regulatory/credentialing requirements. Accrediting bodies can play a role in advancing diversity and inclusion by requiring reporting, policies, practices, or systems related to DEI.

Create and Support Funding Opportunities. Evaluate how a lack (or addition of) diversity in combination with regulatory constraints influences outcomes and which may represent cumulative disadvantage for marginalized communities.

Increase representation in leadership. Regulators, who are your executive officers? Are your board members diverse? Board-disciplinary actions, licensing processes and continuing education.



What do we do?

Invest, Develop & Refer to Pipeline/Mentoring Programs.

- <u>Diversity in Nurse Anesthesia Mentorship Program</u>: Founder & CEO, Dr. Wallena Gould
- Raghu, N., McNamara, M., Bettencourt, E., Yingling, C. (2021) DNP4 Cultivating diversity in the advanced practice registered nurse workforce.
- Brooks Carthon, J.M., Nguyen, T.H., Chittams, J., Guevara, J. (2014). Measuring success: results from a national survey of recruitment and retention in the U.S. nursing workforce

Data. Provide a more complete picture, with diverse data sources of APRN contributions past and present. Determine where APRN's from diverse backgrounds are working, what patient populations are they caring for, what roles are they in (e.g. clinical, leadership)? Evaluate impact and outcomes.



Thank You!

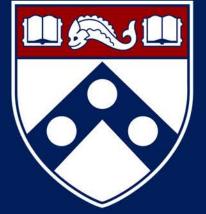
Follow up Questions

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