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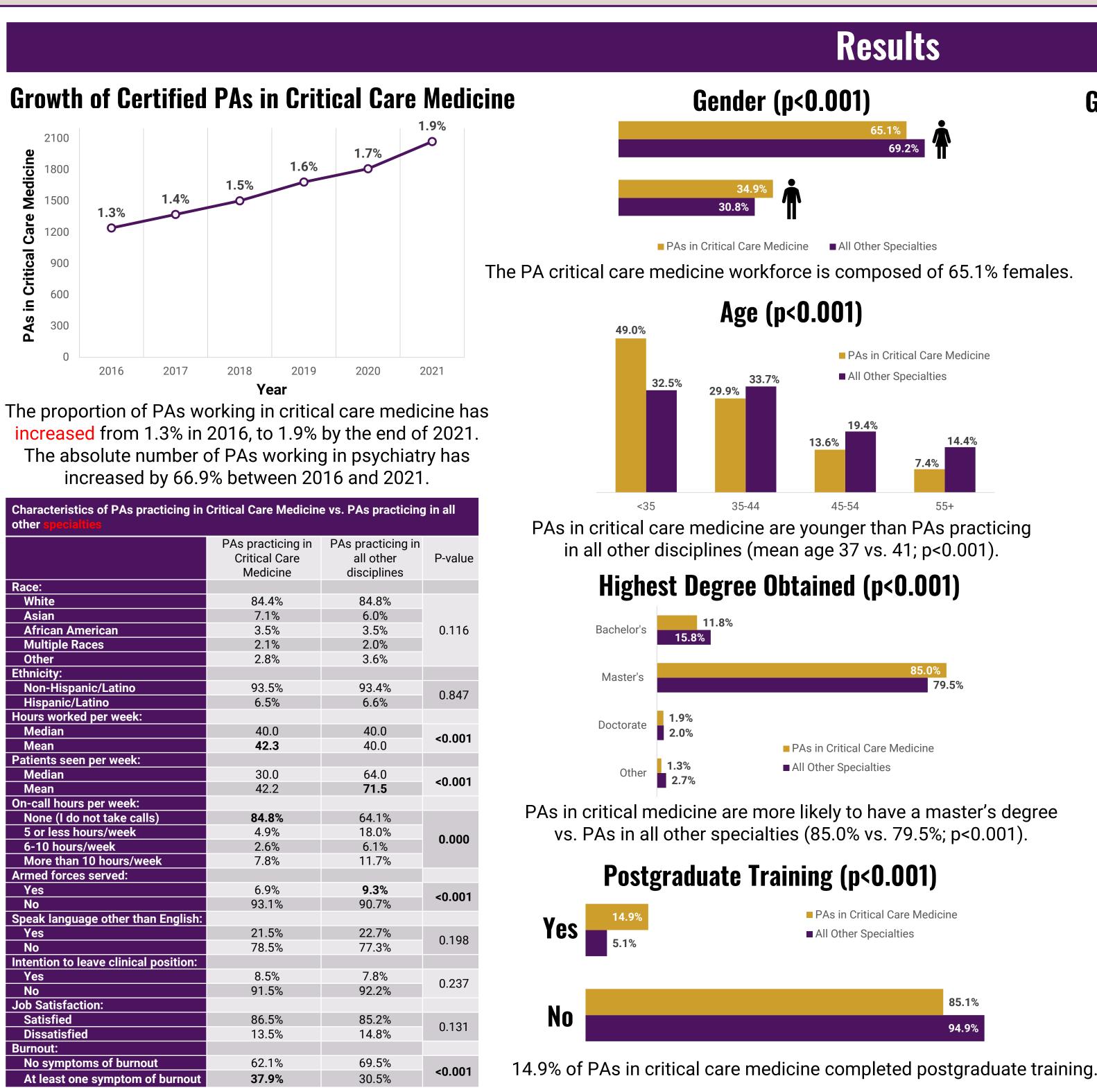
## Background

- Over 6 million patients require treatment in intensive care units for life-threatening conditions every year in the US.
- Since the start of the COVID-19 pandemic, critical care medicine providers have held an immense responsibility in providing care to critically ill patients.
- Staff from across the hospital have been redeployed to work in critical care units.
- Health crises such as the COVID-19 pandemic, particularly during surging infection rates, have exponentially increased demand for acute, emergent, and intensive care.
- More research is needed in understanding the critical care medicine PA workforce demographic characteristics and practice patterns.

## **Objective & Method**

- The study's objective was to:
- describe key demographic and practice characteristics of PAs working in critical care medicine and compare to PAs practicing in all other specialties
- Data were derived from National Commission on Certification of Physician Assistants (NCCPA) PA Professional Profile
- Analysis of the data consisted of descriptive statistics and bivariate analyses (Chi-square tests and Mann-Whitney U tests) conducted using SPSS

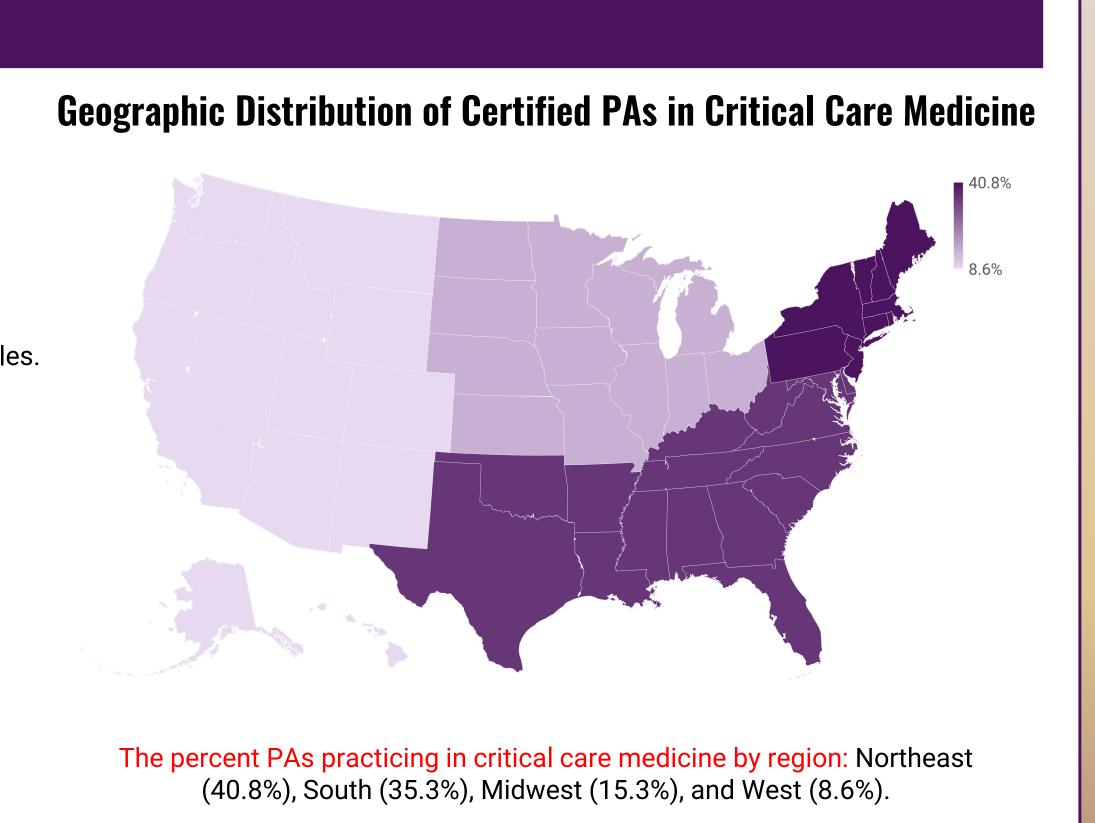
**Email questions to Kasey Puckett at** kaseyk@nccpa.net



	PAs   Cri N
Race:	
White	
Asian	
African American	
Multiple Races	
Other	
Ethnicity:	
Non-Hispanic/Latino	
Hispanic/Latino	
Hours worked per week:	
Median	
Mean	
Patients seen per week:	
Median	
Mean	
On-call hours per week:	
None (I do not take calls)	
5 or less hours/week	
6-10 hours/week	
More than 10 hours/week	
Armed forces served:	
Yes	
No	
Speak language other than Engl	ish:
Yes	
<u> </u>	
Intention to leave clinical position	n.
Yes	
<u>No</u>	
Job Satisfaction:	
Satisfied	
Dissatisfied	
Burnout:	
No symptoms of burnout	
At least one symptom of burn	

# PAs in Critical Care Medicine

National Commission on Certification of Physician Assistants



	PAs practicing in Critical Care Medicine who indicated service provided for "Most Patients"	PAs practicing in all other disciplines who indicated service provided for "Most Patients"	P-value
Diagnosis, treatment, and management of acute illness	95.1%	76.5%	<0.001
Diagnosis, treatment, and management of chronic illness	64.3%	58.1%	<0.001
Conduct physical examinations and obtain medical histories	92.9%	89.6%	<0.001
Order, perform, and interpret lab tests, X-rays, EKGs, and other diagnostic studies	97.7%	80.6%	<0.001
Provide preventive care, including screening and immunizations	19.8%	39.8%	<0.001
Perform procedures	54.7%	33.8%	<0.001
Counsel and educate patients and families	73.8%	81.8%	<0.001
Provide care coordination	65.1%	51.6%	<0.001
Make referrals	40.5%	41.8%	<0.001

- (86.5%)

- specialties

## **Key Findings and Conclusion**

• The number of PAs in critical care medicine has grown by 67% between 2016 and 2021 • PAs in critical care medicine were significantly more likely to work in multiple clinical positions compared to PAs in all other specialties (19.8% vs. 11.2%; p<0.001)

• PAs in critical care medicine vs. all other disciplines were more likely to report one or more symptoms of burnout (37.9% vs. 30.5%; p<0.001). • There was no significant difference detected in job satisfaction between critical care PAs and all other specialties. Most critical care PAs reported being mostly satisfied with their current position

PAs in critical care medicine provide indispensable services, including diagnosing, treating, and managing patients with acute conditions, conducting physical examinations, and obtaining medical histories, ordering, performing, and interpreting lab tests and diagnostic studies, performing procedures, and providing care conditions

• Critical care PAs were significantly less likely to be on-call compared to all other specialties (84.8% vs 64.1%; p=<0.001)

• Due to the nature of the specialty, critical care PAs saw fewer patients per week than all other

## References

Halpern NA, Goldman DA, Tan KS, et al. Trends in critical care beds and use among population groups and Medicare and Medicaid beneficiaries in the United States: 2000-2010. Crit Care Med. 2016;44:1490-1499.

National Commission on Certification of Physician Assistants, Inc. (2021). 2020 Statistical Profile of Certified Physician Assistants: An Annual Report of the National Commission on Certification of Physician Assistants. Retrieved from

http://www.nccpa.net/resources/nccpa-research/