Bethel University Spark

Day of Scholarship

Fall 2023

Oct 25th, 2:00 PM - 5:00 PM

Physician Assistants/Associates with Doctoral Degrees: Where Are They Now?

Alicia Klein Bethel University, alicia-klein@bethel.edu

Follow this and additional works at: https://spark.bethel.edu/dayofscholarship

Part of the Medicine and Health Sciences Commons

Recommended Citation

Klein, Alicia, "Physician Assistants/Associates with Doctoral Degrees: Where Are They Now?" (2023). *Day of Scholarship*. 3. https://spark.bethel.edu/dayofscholarship/fall2023/oct25/3

This Event is brought to you for free and open access by the Provost Office at Spark. It has been accepted for inclusion in Day of Scholarship by an authorized administrator of Spark. For more information, please contact k-jagusch@bethel.edu.

Physician Assistants/Associates with Doctoral Degrees: Where Are They Now?

Alicia Klein₁ EdD, MS, PA-C; Gerald Kayingo₂ PhD, MBA, PA-C; Katrina M. Schrode₃ PhD; Krista Soria₄ PhD

Bethel University₁; University of Maryland₂; Charles R. Drew University of Medicine and Science₃; University of Idaho₄

Introduction

- Despite the efficacy of the master's degree in training PAs to provide excellent patient care and satisfaction, there is **debate regarding a potential transition to** entry-level and terminal doctoral degree credentials.
- The PA profession is largely divided regarding the potential move to a doctoral degree and few research studies have been conducted surrounding the topic of adding or requiring a doctoral degree for PAs (1).
- As the U.S. becomes an increasingly multicultural and diverse society, the PA workforce must reflect that diversity to best serve patient, particularly given that increased diversity in healthcare professionals is associated with positive healthcare outcomes (2,3).
- The potential for leadership opportunities is among the top three positive impacts a doctoral degree may have for the profession (4-6)
- The practicing settings and specialties PAs with doctoral degrees is currently unknown (7).

Objectives

- The purpose of this study was **to describe** demographic characteristics and practice patterns of PAs who have doctoral degrees.
- We hope this work may shed more light on the potential impacts of doctoral degrees for PAs and provide needed evidence for the ongoing debate on whether the PA profession should move to doctoral level training.

Methods

- Secondary analysis of data
- 2021 Salary Survey of the American Academy of PAs
- 13,865 PAs responded to the survey (13.3% estimated response rate)
- We examined the relationships between holding a doctoral degree, demographic characteristics, and workrelated variables
- Descriptive bivariate statistics and chi-square tests

Results

- Significant differences in multiple demographic factors and work-related factors between PAs with and without doctoral degrees.
- Table 1 and Table 2

Conclusions

- PAs with doctoral degrees have higher frequencies of men and PAs of color
- May be associated with upward mobility at workplaces.
- Most PAs with doctoral degrees in the sample were holding informal or formal leadership positions, which may be influenced by the fact that most doctoral credentialed PAs have been PAs and at their current positions for longer lengths of time
- The study also has implications for the PA profession's ongoing debate regarding **terminal doctoral credentials** = attract more males to pursue the profession due to the title, rank, and potential leadership potential

Limitations and Future Research

- This was a descriptive study, without controlling for individual variables.
- Recommend that future researchers examine the order of credentialing as well as motivating factors for doctoral degrees
- Low response rate (however, large national dataset and representative of PA profession based on other data sets)

Table 1. Demographic factors by doctorate degree

Age 50 6 Gen Μ Fe Race

0

Pri Le Pri Sp Le Ye

	Does Not H Doctorate D		Has a Doctorate Degree	
	п	%	n	%
<u>)</u>				
Jnder 30	2,897	26.0	19	6.4
0-39	4,628	41.6	70	23.6
0-49	1,996	17.9	88	29.6
0-59	1,019	9.2	68	22.9
0 or older	584	5.2	52	17.5
nder				
/fale	3,310	26.5	149	45.0
emale	9,186	73.5	182	55.0
ce/ethnicity				
Ion-Hispanic White	10,092	82.3	226	70.4
Ion-Hispanic Black/African American	263	2.1	24	7.5
Ispanic or Latinx	738	6.0	36	11.2
Jon-Hispanic Asian	847	6.9	24	7.5
Other and multi-racial	319	2.6	11	3.4

Table 2. Work-related factors by doctorate degree

$\begin{array}{c clinician} & 12,366 & 99.2 & 300 & 90.4 \\ Educator & 95 & 0.8 & 32 & 9.6 \\ \hline \\ educrship Role & & < 0.001 \\ \hline \\ Formal & 1,325 & 10.5 & 98 & 28.9 \\ \hline \\ Formal & 1,325 & 10.5 & 98 & 28.9 \\ \hline \\ Informal & 3,072 & 24.4 & 102 & 30.1 \\ \hline \\ None & 8,178 & 65.0 & 139 & 41.0 \\ \hline \\ Outpatient Clinic & 6,791 & 54.0 & 158 & 46.4 \\ Hospital & 4,557 & 36.2 & 119 & 35.1 \\ Hospital & 4,557 & 36.2 & 119 & 35.1 \\ Other & 563 & 4.5 & 39 & 11.5 \\ \hline \\ Primary Care Center & 666 & 5.3 & 23 & 6.8 \\ Other & 563 & 4.5 & 39 & 11.5 \\ \hline \\ Primary Care & 2,699 & 21.5 & 71 & 20.9 \\ Primary Care & 2,699 & 21.5 & 71 & 20.9 \\ Primary Care & 3,506 & 27.9 & 57 & 16.8 \\ Emergency Medicine Subspecialties & 3,506 & 27.9 & 57 & 16.8 \\ Emergency Medicine Subspecialties & 3,506 & 27.9 & 57 & 16.8 \\ Subspecialties & 3,506 & 27.9 & 57 & 16.8 \\ Subspecialties & 3,506 & 27.9 & 57 & 16.8 \\ Subspecialties & 3,506 & 27.9 & 57 & 16.8 \\ Subspecialties & 3,506 & 27.9 & 57 & 16.8 \\ Subspecialties & 3,502 & 27.9 & 100 & 32.2 \\ Mother Specialties & 3,502 & 27.9 & 100 & 32.9 \\ Domagi K, Beater V, Kasening and beachmarking quity control in the clinic subspecial state in the clin$		Does Not H Doctorate D		Has a Do Deg			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		n	%	n	%	р	
Clinician 12,366 9.9.2 300 90.4 Educator 95 0.8 32 9.6 Educator 95 0.8 28.9 Formal 1,325 10.5 98 28.9 Informal 3,072 24.4 102 30.1 None 8,178 65.0 139 41.0 Outpatient Clinic 6.791 54.0 158 46.4 St. Collins F. Dase D. Sonb N. (202), Nerrenbro. Wigent Care Center 666 5.3 23 6.8 Ambleme ong-subscience and spin subscience and spin subscin and spin subscien	rimary Role ^a					< 0.001	
($<$ 0.001 Formal 1,325 10,5 98 28.9.9 Informal 3,072 24.4 102 30.0 References Outpatient Clinic 6,791 54.0 158 46.4 1. Robe L, Ruzzio D, Acker S, Harber K, Sarpe K, Chopra SP, Culine, B, Pace D, Sinith N, (200, November). Urgent Care Center 666 5.3 2.3 6.8 1. Robe L, Ruzzio D, Acker S, Harber K, Sarpe K, Chopra SP, Culine, B, Pace D, Sinith N, (200, November). Primary Care 666 5.3 2.3 6.8 1. Robe L, Ruzzio D, Acker S, Harber K, Sarpe K, Chopra SP, Ruster V, Ruster M, Sarpe L, Sarpeta C, Chopra SP, Ruster V, Ruster M, Sarpe L, Sarpeta C, Chopra SP, Ruster V, Ruster M, Sarpe L, Sarpeta C, Chopra SP, Ruster V, Ruster M, Sarpe L, Sarpeta C, Chorrad SP, Ruster V, Ruster M, Sarpeta C, Sarpeta C, Chorrad SP, Ruster V, Ruster M, Sarpeta C, Sarpeta C, Chorrad SP, Ruster V, Ruster M, Sarpeta C, Sarpeta C, Chorrad SP, Ruster V, Ruster M, Sarpeta C, Sarpeta C, Chorrad SP, Ruster V, Sarpeta C, Sarpeta C, Chorrad SP, Ruster V, Sarpeta C, Sarpeta C, Chorrad SP, Sarpeta C, Sarpeta C, Sarpeta C, Chorrad SP, Sarpeta C, Sarpeta	Clinician	12,366	99.2	300	90.4		
Formal1.32510.59828.9Informal3.07224.410230.1None8,17865.013941.0Outpatient Clinic6,79154.015846.4Hospital4,55736.211935.1Urgent Care Center6665.3236.8Other5634.53911.5pecialty<0.001	Educator	95	0.8	32	9.6		
Informal 3,072 24.4 102 30.1 None 8,178 65.0 139 41.0 Image: Construction of the second of the sec	eadership Role					< 0.001	
None 8,178 65.0 139 41.0 References outpatient Clinic 6,791 54.0 158 < 0.001 1. Kits L, Rizato D, Acker S, Harbert K, Shyre K, Chopn BP, Collins B, Pace D, Snith N, C020, November). Mospital 4,557 36.2 119 35.1 Restored in the cutre-level in the cut	Formal	1,325	10.5	98	28.9		
None 8,178 65.0 1.59 41.0 rimary Setting <0.001	Informal	3,072	24.4	102	30.1		Deferences
Outpatient Clinic 6,791 54.0 158 46.4 1. Kbc 1, Rizzalo D, Acker S, Hurber K, Super K, Churp II, Jacker S, Hurber K, Sarpe K, Churp II, Jacker J, Karker J, Jacker J	None	8,178	65.0	139	41.0		<u>References</u>
Outpatient Clinic 6,791 54.0 158 46.4 SP. Collins P. pace D. Smith. N. (2020, November). Hospital 4,557 36.2 119 35.1 Reserve that the memory learning energy for the last of the last o	rimary Setting					< 0.001	
Hospital 4,557 36.2 119 35.1 Research into the entrol-kerd ducturate across from Urgent Care Center 666 5.3 23 6.8 Another Other 563 4.5 39 11.5 Another 2. Entally-Guidy C, Burvell N, Dorough R, Beart V, Kayingo G, Suzuki S, An assessment of physicina assistants. Another advantage angular dubing raphy. Another and the entrol-kerd ducturate across. Bancher Medicine as angehot for the beatificate workforce. BMC Med Educ. 2022;22(1):680. Surgical Subspecialties 3,506 27.9 57 16.8 S. Surging G. Bendrey-Guidry C. Burwell N. Dorough R. Beart V. Kayingo G. Bendrey-Guidry C. Burwell N. Dorough R. Beart V. Surging G. Bendrey-Guidry C. Burwell N. Dorough R. Beart V. Surging G. Bendrey-Guidry C. Burwell N. Dorough R. Beart V. Surging G. Bendrey-Guidry C. Burwell N. Dorough R. Beart V. Surging G. Bendrey-Guidry C. Burwell N. Dorough R. Beart V. Surging G. Bendrey-Guidry C. Burwell N. Dorough R. Beart V. Surging G. Bendrey-Guidry C. Burwell N. Durwell N. Surging G. Durbing Bancher Medicide 2022 Sent Acrossing and Henchumaking equity during	Outpatient Clinic	6,791	54.0	158	46.4		
Orgent Care Center 600 5.3 2.5 6.8 American Àcademy of Physician Assistant. Other 563 4.5 39 11.5 American Àcademy of Physician Assistant. pecialty < 0.001 $2.8 radley-Guidry C. Burwell N. Dorough R. Bester V. Kayingo G. Stacki S. An usessment of Physician assistant. Primary Care 2,699 21.5 71 20.9 Surgical Subspecialties 3,506 27.9 57 16.8 3.6 signe G. Bradley-Guidry C. Burwell N. Suzati S. Other Specialties 3,506 27.9 109 32.2 3.8 signe G. Bradley-Guidry C. Burwell N. Suzati S. Other Specialties 3,502 27.9 109 32.2 3.8 signe G. Bradley-Guidry C. Burwell N. Suzati S. Other Specialties 3,502 27.9 109 32.2 3.8 signe G. Bradley-Guidry C. Burwell N. Suzati S. Other Specialties 3,502 27.9 109 32.2 3.8 signe G. Bradley-Guidry C. Burwell N. Suzati S. 0.4 4,774 38.0 57 16.8 302233(11):51-54 0.1 1,702 13.5 95 28.0 $	Hospital	4,557	36.2	119	35.1		Research into the entry-level doctorate across four
Other 563 4.5 39 11.5 bit ps://www.anga.org/dow/hods/7187. prcially < < 0.001 Standley-Guidy C. Burwell N. Dorough R. Bester V. Kayingo G. Suziki S. An assessment of physician assistant and the United States. as anaphol for the healthcier workforce. <i>BVC Med Eds.</i> 2022;21(5):60. Surgical Subspecialties 3,506 27.9 57 16.8 35.8 37 10.9 Other Specialties 3,502 27.9 109 32.2 Ourough R. Bester V. Assessing and benchmarking equipy. University in the United States. as anaphol for the healthcier workforce. <i>BVC Med Eds.</i> 2022;21(5):60. Other Specialties 3,502 27.9 109 32.2 Ourough R. Bester V. Assessing and benchmarking equipy. University and melabsical professions. <i>AlAHA</i> . Other Specialties 3,502 27.9 109 32.2 Ourough R. Bester V. Assessing and benchmarking equipy. University and melaboratic professions. <i>AlAHA</i> . Other Specialty 223 1.8 11 3.2 Control of the set V. Assessing and benchmarking equipy. University and melaboratic professions. <i>AlAHA</i> . Other Specialty 23 1.63 0.001 1.68 0.001 1.68 O.4 4,7774 38.0 57 16.8 0.001	Urgent Care Center	666	5.3	23	6.8		
Primary Care2.69921.57120.9Kaying 6, Suzuki 8. An assessment of physician assistant studen diversity in the United States as supply to live the baltheare workforce. <i>BMC Med Edue</i> . 2022;22(1):680. Published 2022 Sep 15. doi:10.1186/s1209-022-22(2):1769. Published 2022 Sep 15. doi:10.1186/s1209-022-22(2):1769. Published 2022 Sep 15. doi:10.1186/s1209-022-22(2):1769. Published 2022 Sep 15. doi:10.1186/s1209-022-22(2):1769. 	Other	563	4.5	39	11.5		
Primary Care 2,699 21.5 71 20.9 sudent diversity in the United States: a simpleto for the bealthcare workforce. BMC Med Educ. 2022:22(1):680. Internal Medicine Subspecialties 1,582 12.6 54 15.9 bealthcare workforce. BMC Med Educ. 2022:22(1):680. Surgical Subspecialties 3,506 27.9 57 16.8 3. Kayingo G, Bradley-Guidry C, Hurwell N, Suzuki S, Modelian Science 2015. Other Specialties 3,502 27.9 109 32.2 diversity in the United States: a simpleto it or the bealthcare workforce. BMC Med Educ. 2022:20:317-9 Other Specialties 3,502 27.9 109 32.2 diversity in the United States: a simpleto it or the bealthcare workforce. BMC Med Educ. 2022:20:317-9 Other Specialties 3,502 27.9 109 32.2 diversity in the United States: a simpleto it or the bealthcare workforce. BMC Med Educ. 2022:20:317-9 Other Specialties 3,502 27.9 109 32.2 diversity in the United States: a simpleto it or the bealthcare workforce. BMC Med Educ. 2022:20:3115-154. Other Specialties 3,505 27.6 6.001 16.8 202:5111:51-54. doi:10.1070/J.J.A.0000885184.50730.94 Other Specialties 3,095 24.6 62 18.3 <td>pecialty</td> <td></td> <td></td> <td></td> <td></td> <td>< 0.001</td> <td></td>	pecialty					< 0.001	
Internal inclusion biologicalities $1,00^{-2}$ 12.0^{-5} 16.8^{-5} Published 2022 Sep 15. doi:10.1186/s12909-022-03717-9Surgical Subspecialties $3,506$ 27.9^{-5} 16.8^{-5} $3.$ Kaying 0.6. Bradley-Guiday C, Barwell N, Suzuki S,Other Specialties $3,502$ 27.9^{-5} 10.9^{-5} $3.$ Kaying 0.6. Bradley-Guiday C, Barwell N, Suzuki S,No Medical Specialty 223^{-5} 1.8^{-5} 11^{-5} 3.60^{-5} 3.60^{-5} ength of time as a PA -774^{-4} 38.0^{-57} 16.8^{-5} $4.$ Kulo V, Fleming S, Gordes KL, Lun HJ, Cawley JF, 0.4^{-4} $4,774^{-3}$ 38.0^{-57} 16.8^{-5} $2001^{-1}(1).1186/s12909-021-02725-5^{-5}$ 5.9^{-9} $3,095^{-2}$ 24.6^{-62} 18.3^{-57} 20.011^{-1} $10-14$ $1,702^{-1}$ 13.5^{-95} 28.0^{-52} $20.121(1)(27.4^{-1})$ 20 or more $1,702^{-1}$ 13.5^{-57} 28.0^{-52} 5.5^{-57} $cars$ at current employer $< 0.001^{-1}$ 4.691^{-1} 3.437^{-2} 20.5^{-5} $15-19^{-1}$ 4.691^{-1} 3.9^{-1} 13.4^{-1} $chi0.10.1097.00.0000000000385^{-6}$ $15-19^{-1}$ 475^{-5} 3.9^{-1} $18^{-5.4}$ $chi0.10.1186/s1290-02.0317.6^{-5}$ 20 or more $388^{-3.2}$ $18^{-5.4}$ $chi0.10.197.000000000000385^{-6}$ $15-19^{-1}$ 4.66^{-5} 13.4^{-5} $chi0.10.198/s12.0002.23817.6^{-6}$ $15-19^{-1}$ 4.75^{-5} 3.9^{-1} $18^{-5.4}$ $chi0.10.186/s12.09-02.23817.6^{-6}$ <t< td=""><td>Primary Care</td><td>2,699</td><td>21.5</td><td>71</td><td>20.9</td><td></td><td></td></t<>	Primary Care	2,699	21.5	71	20.9		
Surgical Subspecialties $3,506$ 27.9 57 16.8 $3.$ Kayingo G, Bradley-Guidry C, Burwell N, Suzaki S, Other Specialties $3,602$ 27.9 109 32.2 27.9 109 32.2 $2022,235(11),51-54.$ $2022,235(11),51-54.$ $2022,235(11),51-54.$ No Medical Specialty 223 1.8 11 3.2 $2022,235(11),51-54.$ $2022,235(11),51-54.$ 0.4 $4,774$ 38.0 57 16.8 $2021,21(1),274.$ $2002,2002,204.$ $2022,205,205.$ 0.4 $4,774$ 38.0 57 16.8 $2021,21(1),274.$ $2002,204,21.402,225.$ $10-14$ $1,793$ 14.3 86 25.4 5.9 $200,010,000,000,0000,0000,0000,0000,000$	Internal Medicine Subspecialties	1,582	12.6	54	15.9		
Emergency Medicine1,0658.53710.9Doroigh R, Boster V, Assessing and benchmarking equity. diversity, and inclusion in healthcare professions. JAAPA. 2022.3511:51-54.Other Specialties3,50227.910932.2 $2022.3511:51-54.$ doi:10.1097/01.JAA.0000885184.50730.94No Medical Specialty2231.8113.2 $2022.3511:51-54.$ doi:10.1097/01.JAA.0000885184.50730.940-44,77438.05716.8 $202.215(1):51-54.$ doi:10.1097/01.JAA.0000885184.50730.940-44,77438.05716.8 $202.212(1):274.Published 2021 May 14.$ doi:10.1186/s1290-021-02725-55-93,09524.66218.3 $2021:21(1):274.Published 2021 May 14.$ doi:10.1186/s1290-021-02725-515-191,2139.63911.520 or more1,70213.59528.0ears at current employer<	Surgical Subspecialties	3,506	27.9	57	16.8		-
Other Specialities $3,02$ $27,9$ 109 32.2 $2022;35(11):51-54.$ No Medical Speciality 223 1.8 11 3.2 $2022;35(11):51-54.$ ength of time as a PA 4 $4,074$ 38.0 57 16.8 0.4 $4,774$ 38.0 57 16.8 4	Emergency Medicine	1,065	8.5	37	10.9		Dorough R, Bester V. Assessing and benchmarking equity,
No Medical Specialty 223 1.8 11 3.2 doi:10.1097/01.JAA.0000885184.50730.94 ength of time as a PA < < < < < < < < < < <	Other Specialties	3,502	27.9	109	32.2		•
0-4 4,774 38.0 57 16.8 Kayingo G. A physician assistant entry-level doctoral degree: more harm than good?. BMC Med Edue. 5-9 3,095 24.6 62 18.3 202121(1):274. Published 2021 May 14. 10-14 1,793 14.3 86 25.4 5. Brown D. Quincy B. Snyder J. Physician Assistant 15-19 1,702 13.5 95 28.0 224.4 doi:10.1186/s12909-021-02725-5 20 or more 1,702 13.5 95 28.0 Doctoral Degree. J. Physician Assistant 20 or more 1,702 13.5 95 28.0 224.4 doi:10.1097/JPA.0000000000000385 6-rears at current employer 6. Kibe LW, Kayingo G. Schrode KM, Klein A. Academic 0-1 3,437 28.0 52 15.5 education: a cross-sectional analysis of the association with doctoral degree, gender. and minority status. BMC Med 10-14 2,413 19.7 79 23.5 Educ. 2022;20(1):808. Published 2022 Nov 23. 15-19 864 7.0 45 13.4 7. National Commission on Certification of Physician Assistants. 2021 statistical profile of certified PAs-A-sistants. 2021 statistical profile of certified PAs-A-sistants. 2021 statistical profile o	No Medical Specialty	223	1.8	11	3.2		
0-4 $4,7/4$ 38.0 57 16.8 degree: more harm than good?. BMC Med Educ. $5-9$ $3,095$ 24.6 62 18.3 $2021;21(1):274$. Published 2021 May 14. $10-14$ $1,793$ 14.3 86 25.4 $2021;21(1):274$. Published 2021 May 14. $15-19$ $1,213$ 9.6 39 11.5 $5.8 rown D, Quincy B, Snyder J. Physician Assistant20 or more1,70213.59528.0224. doi:10.1186/s12909-021-02725-526 or more1,70213.59528.0224. doi:10.1197/IPA.00000000000030566Kibe LW, Kayingo G, Schrode KM, Klein A. Academiceducation: a cross-sectional analysis of the association with0-13,43728.05215.55-94,69138.212436.910-142,41319.77923.515-198647.04513.420 or more3883.2185.420 or more3883.2185.420 or more3883.2185.420 or more3883.2185.420 or more3883.2185.420 or more3883.2185.432 or more32.9 of for more32.9 of for more32.9 of for more32 or more32.9 of for more32.9 of for more$	ength of time as a PA					< 0.001	
10-14 1,793 14.3 86 25.4 15-19 1,213 9.6 39 11.5 20 or more 1,702 13.5 95 28.0 2ears at current employer - 0-1 3,437 28.0 52 15.5 5-9 4,691 38.2 124 36.9 <	0-4	4,774	38.0	57	16.8		
10-14 1,793 14.3 86 25.4 15-19 1,213 9.6 39 11.5 20 or more 1,702 13.5 95 28.0 2ears at current employer 0-1 3,437 28.0 52 15.5 5-9 4,691 38.2 124 36.9 10-14 2,413 19.7 79 23.5 15-19 864 7.0 45 13.4 15-19 475 3.9 18 5.4 20 or more 388 3.2 18 5.4 10-14 2,413 19.7 79 23.5 15-19 864 7.0 45 13.4 15-19 475 3.9 18 5.4 20 or more 388 3.2 18 5.4 stimated annual salary ^a Vedian or below 7,460 60.0 126 37.7	5-9	3,095	24.6	62	18.3		
15-19 1,213 9.6 39 11.5 Education Community Assumptions About an Entry-level Doctoral Degree. J Physician Assist Educ. 2021;32(4):207-224. doi:10.1097/JPA.0000000000385 20 or more 3,437 28.0 52 15.5 6. Kibe LW, Kayingo G, Schrode KM, Klein A. Academic leadership in physician assistant/associate medical education: a cross-sectional analysis of the association with doctoral degree, gender, and minority status. BMC Med Educ. 2022;22(1):808. Published 2022 Nov 23. 10-14 2,413 19.7 79 23.5 Education on Certificat profile of certified physician Assistant/associate medical education: a cross-sectional analysis of the association with doctoral degree, gender, and minority status. BMC Med Educ. 2022:22(1):808. Published 2022 Nov 23. 15-19 864 7.0 45 13.4 7. National Commission on Certified physician Assistants Lanual report]. 2022. https://www.ncepa.net/wp-content/uploads/2022/08/2021StatProfileofCertifiedPAs-A-3.2.pdf 20 or more 388 3.2 18 5.4 assistants Lanual report]. 2022. https://www.ncepa.net/wp-content/uploads/2022/08/2021StatProfileofCertifiedPAs-A-3.2.pdf Median or below 7,460 60.0 126 37.7	10-14	1,793	14.3	86	25.4		
20 of more 1,702 13.5 9.5 20.0 224.0 224. doi:10.1097/JPA.000000000000000000000000000000000000	15-19	1,213	9.6	39	11.5		- • • •
ears at current employer < 0.001 6. Kibe LW, Kayingo G, Schrode KM, Klein A. Academic 0-1 3,437 28.0 52 15.5 6. Kibe LW, Kayingo G, Schrode KM, Klein A. Academic 5-9 4,691 38.2 124 36.9 6. Kibe LW, Kayingo G, Schrode KM, Klein A. Academic 10-14 2,413 19.7 79 23.5 6. Kibe LW, Kayingo G, Schrode KM, Klein A. Academic 15-19 864 7.0 45 13.4 40:10.1186/s12909-022.03817-6 15-19 475 3.9 18 5.4 Assistants. 2021 statistical profile of certified physician 20 or more 388 3.2 18 5.4 assistants. 2021 statistical profile of certified physician stimated annual salary ^a Median or below 7,460 60.0 126 37.7 37.7	20 or more	1,702	13.5	95	28.0		
0-1 3,437 28.0 52 15.5 leadership in physician assistant/associate medical education: a cross-sectional analysis of the association with doctoral degree, gender, and minority status. BMC Med 10-14 2,413 19.7 79 23.5 doi:10.1186/s12909-022-03817-6 15-19 864 7.0 45 13.4 doi:10.1186/s12909-022-03817-6 15-19 475 3.9 18 5.4 Assistants. 2021 statistical profile of certified physician assistant/subject an assistants and assistants	ears at current employer					< 0.001	
5-9 4,691 58.2 124 56.9 doctoral degree, gender, and minority status. BMC Med 10-14 2,413 19.7 79 23.5 Educ. 2022;22(1):808. Published 2022 Nov 23. 15-19 864 7.0 45 13.4 doi:10.1186/s12909-022-03817-6 15-19 475 3.9 18 5.4 Assistants. 2021 statistical profile of certified physician 20 or more 388 3.2 18 5.4 assistants [annual report]. 2022. https://www.nccpa.net/wp-content/uploads/2022/08/2021StatProfileofCertifiedPAs-A-3.2.pdf Median or below 7,460 60.0 126 37.7	0-1	3,437	28.0	52	15.5		leadership in physician assistant/associate medical
10-14 2,413 19.7 79 23.5 Educ. 2022;22(1):808. Published 2022 Nov 23. 15-19 864 7.0 45 13.4 doi:10.1186/s12909-022-03817-6 15-19 475 3.9 18 5.4 Assistants. 2021 statistical profile of certified physician 20 or more 388 3.2 18 5.4 assistants [annual report]. 2022. https://www.nccpa.net/wp-content/uploads/2022/08/2021StatProfileofCertifiedPAs-A-3.2.pdf Median or below 7,460 60.0 126 37.7	5-9	4,691	38.2	124	36.9		•
15-19 804 7.0 45 15.4 15-19 475 3.9 18 5.4 20 or more 388 3.2 18 5.4 stimated annual salary ^a Median or below 7,460 60.0 126 37.7	10-14	2,413	19.7	79	23.5		Educ. 2022;22(1):808. Published 2022 Nov 23.
15-19 475 3.9 18 5.4 Assistants. 2021 statistical profile of certified physician 20 or more 388 3.2 18 5.4 assistants [annual report]. 2022. https://www.nccpa.net/wp-content/uploads/2022/08/2021StatProfileofCertifiedPAs-A-3.2.pdf Median or below 7,460 60.0 126 37.7 37.7	15-19	864	7.0	45	13.4		
stimated annual salarya< 0.001content/uploads/2022/08/2021StatProfileofCertifiedPAs-A- 3.2.pdfMedian or below7,46060.012637.7	15-19	475	3.9	18	5.4		
stimated annual salary ^a < 0.001 3.2.pdf Median or below 7,460 60.0 126 37.7	20 or more	388	3.2	18	5.4		
Median or below 7,460 60.0 126 37.7	stimated annual salary ^a					< 0.001	
Above median 4,965 40.0 208 62.3	Median or below	7,460	60.0	126	37.7		
	Above median	4,965	40.0	208	62.3		

