



Statistical Profile of Board Certified PAs by Specialty

ANNUAL REPORT

2022

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Message from the President and CEO

Dear Colleagues,

Board Certified PAs are making an impact on healthcare, and this 2022 NCCPA Statistical Profile of Board Certified PAs by Specialty Report highlights how PAs are answering the call throughout 24 specialty practice areas and primary care. This report is the second release in our collection of annual statistical reports, following the 2022 NCCPA Statistical Profile of Board Certified PAs, that provides a more general overview of the PA profession.



Each year NCCPA strives to enhance our data gathering strategies to include new information that is relevant and timely in healthcare. Data from questions that have been recently added to the PA Professional Profile are first included in the Appendix and then subsequently added to the report after a full cycle of data gathering is completed. For the first time, this report includes data on clinical opportunities by specialty, with 26.0% of PAs reporting they experienced an increase in clinical opportunities over last year. The three leading specialties for increased opportunities were Cardiothoracic and Vascular Surgery (34.9%), Critical Care Medicine (33.4%), and Emergency Medicine (30.3%). Having the flexibility to change specialty practices has been a hallmark of the PA profession, and we are able to include information on how PAs in different specialties approach changes. For example, 30.8% of all PAs have changed specialties at least two or more times throughout their careers, with Occupational Medicine (56.2%), Geriatrics (43.9%), and Physical Medicine/Rehabilitation (43.4%) reporting the highest percent of changes. PAs working in Orthopaedic Surgery and Family Medicine were less likely to change specialties, with 61.5% and 56.5% respectively, reporting no change in specialty. Examples of other new information that can be found in the Appendix are types of employment, non-clinical secondary positions, post graduate program satisfaction, and educational debt by specialty.

As we look at the tremendous contributions PAs make to healthcare, it is also rewarding to see that as they are diligently caring for patients, overall PAs are satisfied with their current job (83.6%) and their career choice of becoming a PA (86.7%). PAs working in Obstetrics and Gynecology have the highest level of satisfaction with their career as a PA (91.5%), and PAs working in Plastic Surgery reported the greatest satisfaction with their current job (89.0%). Even with Emergency Medicine PAs having the lowest career choice and current job satisfaction, 82.1% of PAs in this specialty are satisfied with their career and 78.3% satisfied with their current job.

This, and all other statistical reports published by NCCPA, would not be possible without dedicated PAs taking the time to provide data. To those PAs, we extend our sincere appreciation and hope they enjoy reviewing the report that highlights their accomplishments. To all other readers of this report, we hope that you will be able to use the report to expand your knowledge of the PA profession and to inform important dialogue to advance initiatives to address healthcare disparities.

Sincerely,

A handwritten signature in black ink that reads "Dawn Morton-Rias".

Dawn Morton-Rias, Ed.D., PA-C, ICE-CCP, FACHE
President and CEO

About the Data Collection and Methodology

Introduction

Since certifying the first physician assistants/associates (PAs) in 1975, NCCPA has collected data on the PA profession as PAs completed various processes related to obtaining initial certification and then maintaining certification by earning and logging continuing medical education credits and passing recertification examinations. In May 2012, NCCPA's data gathering efforts were significantly enhanced with the launch of the PA Professional Profile. This data gathering instrument is presented to PAs through a secure portal within NCCPA's website. The Profile was launched with two modules: "About Me" and "My Practice."

In December 2012, NCCPA added a "Recently Certified" module delivered online to PAs who have been certified for less than six months. Data from that module can be found in the *Statistical Profile of Recently Certified PAs*, first published in 2014 and updated annually.

Data Editing and Analysis

Data reflected in this report includes aggregated responses from PAs who were board certified as of December 31, 2022 and have made updates to their Profile between January 1, 2020 and December 31, 2022. Data from 2018 has been included to provide five-year comparisons. In addition, some data were obtained from other NCCPA data collection strategies. As of December 31, 2022, there were 168,318 board certified PAs, and 140,815 provided responses for at least a portion of the Profile, yielding an overall response rate of 83.7%. In 2022 new questions were added to the Profile. Those data can be found in the appendix. The response rate for the new items is $\leq 56\%$ as of December 31, 2022. As more PAs access their Profile and provide responses to these newly added questions, it is anticipated that response rates on these items will be similar to the current overall response rate, and data from these items will be moved from the appendix to the body of the report in future years.

Responses were examined for consistency and potential errors. In cases of obvious error or inconclusive data, the responses were not included in the analysis. The number of responses to individual items varies due to differing response rates or due to the data being removed for reasons previously noted. Analyses of the data consist primarily of descriptive statistics. Percent change calculations reflect proportional changes from 2018 to 2022 throughout the report unless otherwise noted.

About NCCPA

NCCPA is the only certifying organization for PAs in the United States. Established as a not-for-profit organization in 1974, NCCPA is dedicated to providing certification programs that reflect standards for clinical knowledge, clinical reasoning and other medical skills and professional behaviors required upon entry into practice and throughout the careers of PAs. All U.S. states, the District of Columbia and the U.S. territories have decided to rely on NCCPA certification as one of the criteria for initial licensure or regulation of PAs. More than 196,000 PAs have been certified by NCCPA since 1975.

For more information, visit our website at: www.nccpa.net

All Specialties by Number, Percent and Percent Change

Specialty	2022		Percent Change 2018-2022
	Number	Percent	
Addiction medicine	623	0.5%	0.2%
Adolescent medicine	134	0.1%	0.0%
Anesthesiology	293	0.2%	-0.1%
Critical care medicine	2,308	2.0%	0.5%
Dermatology	4,941	4.2%	0.2%
Emergency medicine	13,214	11.2%	-1.8%
Family medicine/general practice	20,193	17.1%	-2.1%
Gynecology only	401	0.3%	-0.1%
Hospice and palliative medicine	189	0.2%	0.1%
Hospital medicine (hospitalist)	4,329	3.7%	0.2%
Internal medicine- allergy and immunology	359	0.3%	0.0%
Internal medicine- cardiology	3,436	2.9%	0.1%
Internal medicine- endocrinology	685	0.6%	0.1%
Internal medicine- gastroenterology	1,985	1.7%	0.1%
Internal medicine- general practice	4,872	4.1%	-0.6%
Internal medicine- geriatrics	901	0.8%	0.0%
Internal medicine- hematology	322	0.3%	0.1%
Internal medicine- infectious disease	498	0.4%	0.0%
Internal medicine- nephrology	438	0.4%	0.0%
Internal medicine- oncology	1,900	1.6%	0.1%
Internal medicine- pulmonology	594	0.5%	0.0%
Internal medicine- rheumatology	430	0.4%	0.1%
Internal medicine- sports medicine	68	0.1%	0.0%
Neurology	1,215	1.0%	0.2%
Obstetrics and gynecology	1,413	1.2%	0.0%
Occupational medicine	1,534	1.3%	-0.1%
Ophthalmology	115	0.1%	0.0%
Otolaryngology	1,223	1.0%	0.1%
Pain medicine	1,724	1.5%	0.1%
Pathology	7	<0.1%	0.0%
Pediatric- cardiology	100	0.1%	0.0%
Pediatric- critical care medicine	142	0.1%	0.0%
Pediatric- developmental-behavioral pediatrics	39	<0.1%	0.0%
Pediatric- emergency medicine	306	0.3%	0.0%
Pediatric- endocrinology	49	<0.1%	0.0%
Pediatric- gastroenterology	60	0.1%	0.0%
Pediatric- general	2,077	1.8%	-0.1%
Pediatric- hematology-oncology	144	0.1%	0.0%
Pediatric- hospice and palliative medicine	8	<0.1%	0.0%
Pediatric- infectious diseases	15	<0.1%	0.0%
Pediatric- medical toxicology	1	<0.1%	<0.1%
Pediatric- neonatal-perinatal medicine	437	0.4%	0.1%

Specialty	2022		Percent Change 2018-2022
	Number	Percent	
Pediatric- nephrology	12	<0.1%	0.0%
Pediatric- neurodevelopmental disabilities	43	<0.1%	0.0%
Pediatric- pulmonology	32	<0.1%	0.0%
Pediatric- rheumatology	5	<0.1%	0.0%
Pediatric- sleep medicine	6	<0.1%	0.0%
Pediatric- sports medicine	89	0.1%	0.0%
Pediatric- transplant hepatology	16	<0.1%	0.0%
Physical medicine/rehabilitation	656	0.6%	-0.1%
Preventive medicine/public health	159	0.1%	0.0%
Psychiatry	2,594	2.2%	0.7%
Radiation oncology	211	0.2%	0.0%
Radiology	924	0.8%	0.1%
Surgery- cardiothoracic	2,903	2.5%	-0.1%
Surgery- colon and rectal	223	0.2%	0.0%
Surgery- general	3,597	3.1%	0.2%
Surgery- gynecologic oncology	232	0.2%	0.0%
Surgery- gynecology and obstetrics	91	0.1%	0.0%
Surgery- neurologic	2,536	2.2%	0.0%
Surgery- ophthalmic	27	<0.1%	0.0%
Surgery- oral and maxillofacial	30	<0.1%	0.0%
Surgery- orthopaedic	12,599	10.7%	-0.1%
Surgery- otorhinolaryngology	261	0.2%	0.0%
Surgery- pediatric	291	0.2%	0.0%
Surgery- plastic and maxillofacial	1,186	1.0%	0.1%
Surgery- urology	616	0.5%	0.1%
Surgery- vascular	963	0.8%	0.0%
Urology	1,199	1.0%	0.0%
Other	12,525	10.6%	1.8%

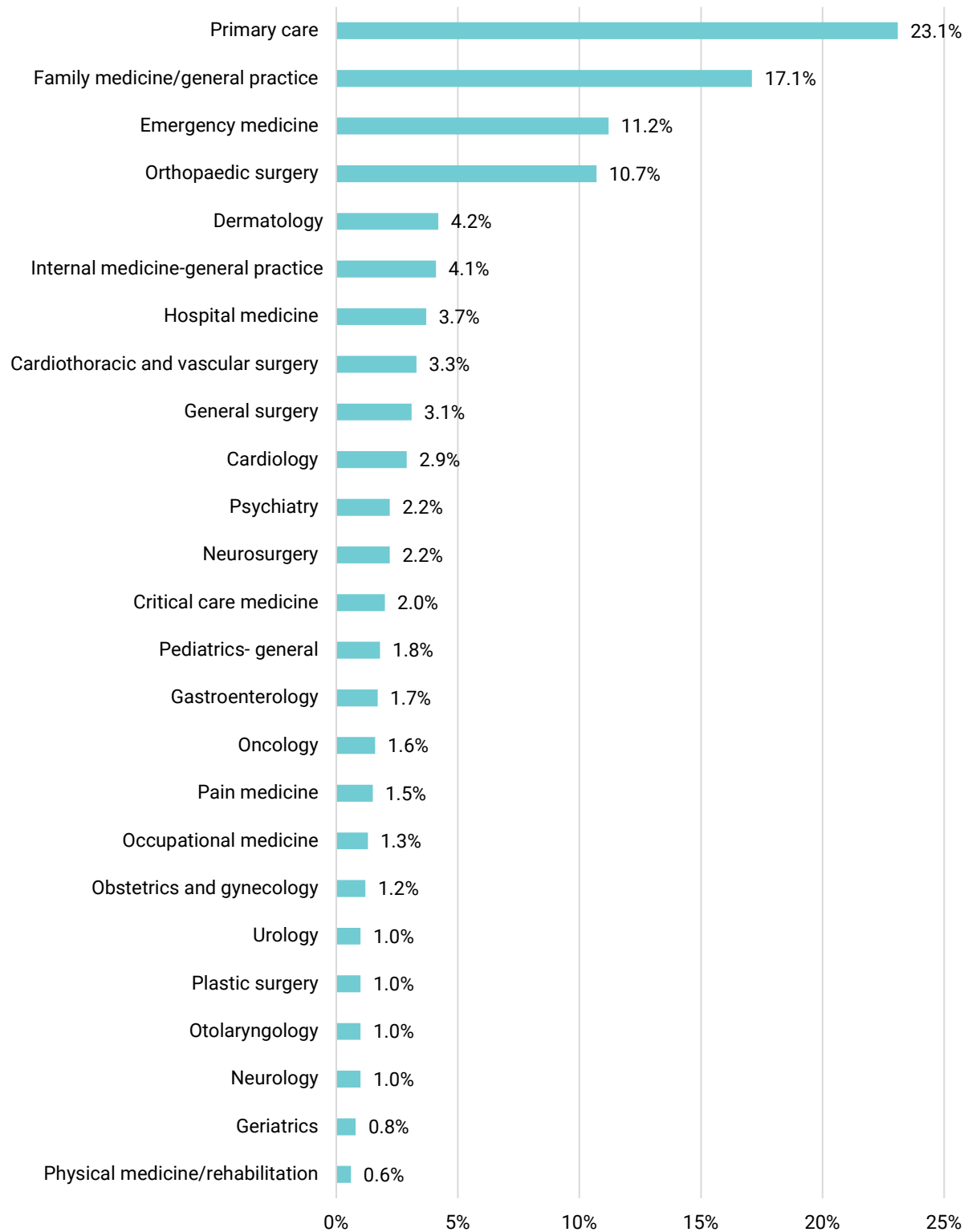
Note: PAs who indicated they are clinically active were asked which specialty they are practicing in for their principal clinical position.

Number, Percent, Rate, Rank, and Secondary Position by Specialty

Specialty	2022 Number	2022 Percent	Number whose principal position is in this specialty and have a secondary clinical position	Number who have a principal and secondary position in this specialty	Number who have a secondary position in this specialty	Rate of Certified PAs per 1,000 physicians ¹	Percent change PAs who have a secondary clinical position 2018- 2022
Primary care	27,142	23.1%	2,583	790	2,007	90.7	-2.2%
Cardiology	3,436	2.9%	273	62	168	154.3	-1.2%
Cardiothoracic and vascular surgery	3,866	3.3%	398	139	215	455.5	-1.7%
Critical care medicine	2,308	2.0%	449	135	347	163.0	-3.5%
Dermatology	4,941	4.2%	241	71	160	387.0	-0.7%
Emergency medicine	13,214	11.2%	3,012	1,512	3,339	282.0	-0.5%
Family medicine/general practice	20,193	17.1%	1,910	493	1453	170.2	-2.2%
Gastroenterology	1,985	1.7%	98	13	49	126.6	-1.7%
General surgery	3,597	3.1%	452	115	332	144.6	-1.9%
Geriatrics	901	0.8%	81	6	97	146.5	-4.4%
Hospital medicine	4,329	3.7%	585	163	665	NA	-3.0%
Internal medicine- general practice	4,872	4.1%	523	96	408	40.5	-2.4%
Neurology	1,215	1.0%	84	18	67	87.7	-0.8%
Neurosurgery	2,536	2.2%	256	84	154	441.2	-1.4%
Obstetrics and gynecology	1,413	1.2%	143	51	102	33.3	-1.8%
Occupational medicine	1,534	1.3%	220	44	303	NA	-1.5%
Oncology	1,900	1.6%	105	18	50	114.0	-1.4%
Orthopaedic surgery	12,599	10.7%	970	289	467	682.2	-1.2%
Otolaryngology	1,223	1.0%	63	5	23	127.2	-3.4%
Pain medicine	1,724	1.5%	148	15	98	276.3	-0.2%
Pediatrics- general	2,077	1.8%	150	35	146	34.4	-1.0%
Physical medicine/rehabilitation	656	0.6%	57	6	64	67.5	-2.1%
Plastic surgery	1,186	1.0%	106	20	87	164.1	-3.5%
Psychiatry	2,594	2.2%	338	149	283	67.5	-2.8%
Urology	1,199	1.0%	92	8	41	118.9	-3.1%

¹ Association of Americal Medical Colleges' 2021 Physician Specialty Data Report

Percent of PA Workforce by Specialty

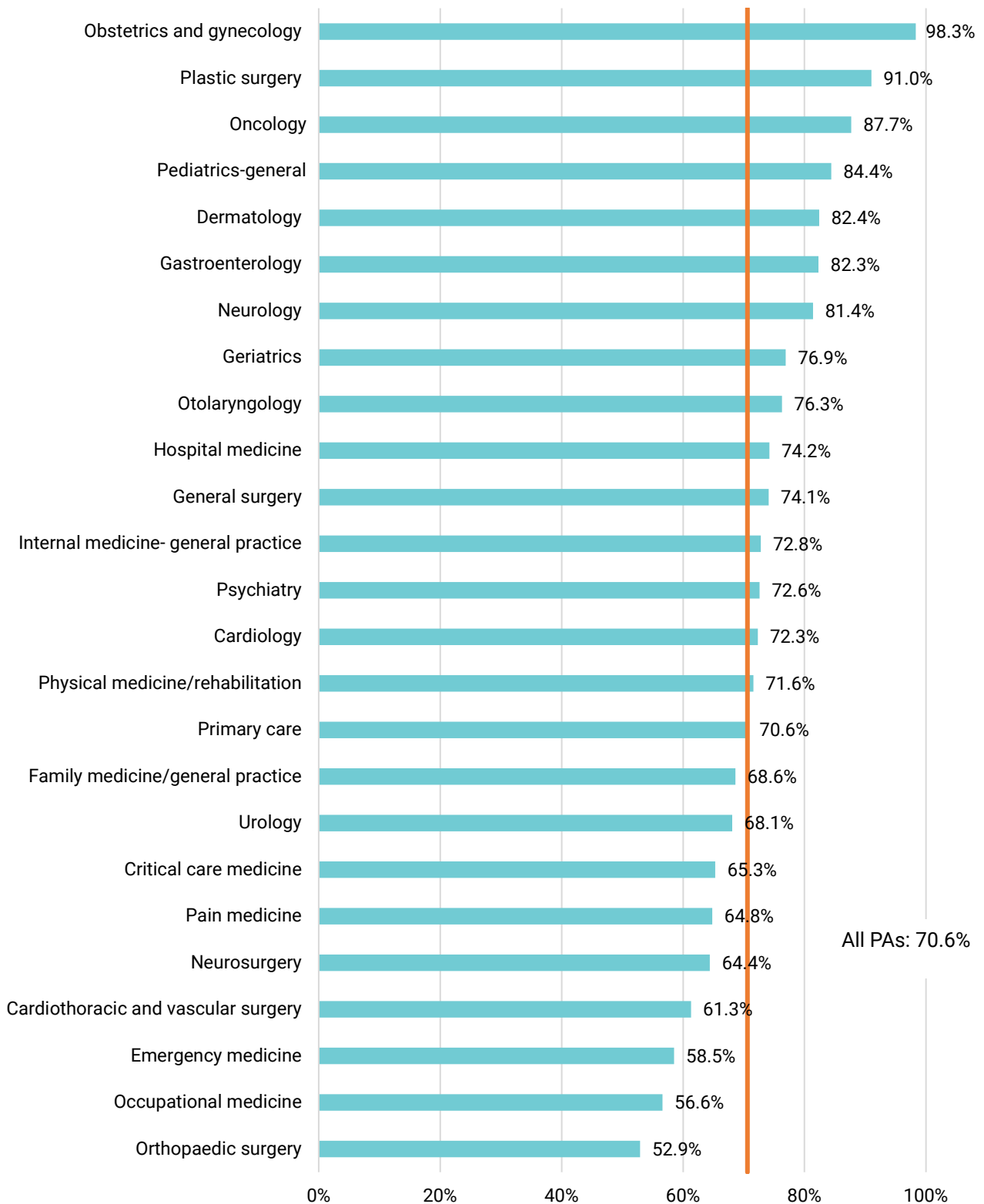


Gender by Specialty

Specialty	Male		Female	
	2022	2018	2022	2018
Primary care	29.4%	30.3%	70.6%	69.7%
Cardiology	27.7%	29.3%	72.3%	70.7%
Cardiothoracic and vascular surgery	38.7%	42.3%	61.3%	57.7%
Critical care medicine	34.7%	37.4%	65.3%	62.6%
Dermatology	17.6%	18.0%	82.4%	82.0%
Emergency medicine	41.5%	41.9%	58.5%	58.1%
Family medicine/general practice	31.4%	32.3%	68.6%	67.7%
Gastroenterology	17.7%	18.1%	82.3%	81.9%
General surgery	25.9%	27.8%	74.1%	72.2%
Geriatrics	23.1%	21.5%	76.9%	78.5%
Hospital medicine	25.8%	27.8%	74.2%	72.2%
Internal medicine- general practice	27.2%	27.9%	72.8%	72.1%
Neurology	18.6%	20.4%	81.4%	79.6%
Neurosurgery	35.6%	37.4%	64.4%	62.6%
Obstetrics and gynecology	1.7%	2.1%	98.3%	97.9%
Occupational medicine	43.4%	44.7%	56.6%	55.3%
Oncology	12.3%	13.4%	87.7%	86.6%
Orthopaedic surgery	47.1%	49.0%	52.9%	51.0%
Otolaryngology	23.7%	24.5%	76.3%	75.5%
Pain medicine	35.2%	36.8%	64.8%	63.2%
Pediatrics- general	15.6%	16.4%	84.4%	83.6%
Physical medicine/rehabilitation	28.4%	29.5%	71.6%	70.5%
Plastic surgery	9.0%	11.2%	91.0%	88.8%
Psychiatry	27.4%	29.7%	72.6%	70.3%
Urology	31.9%	34.5%	68.1%	65.5%

Note: Less than 0.1% of the PA population self-reported as identifying as non-binary or preferred to not answer.

Percent Female by Specialty

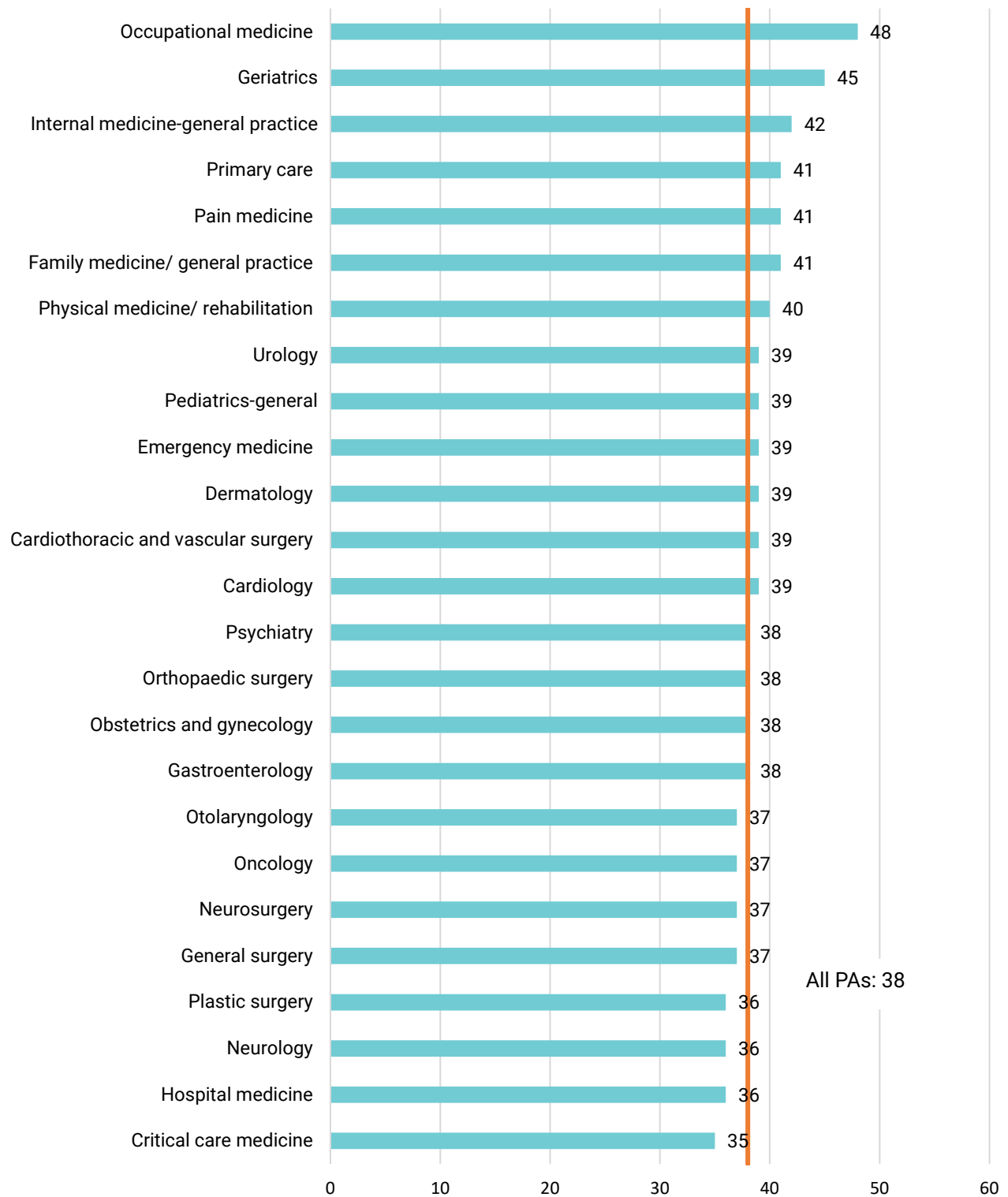


Note: The percentages reflect the distribution within the specialty. For example, 98.3% of PAs in obstetrics and gynecology, identify as female.

Age by Specialty

Specialty	<30		30-39		40-49		50-59		60+		Median Age	
	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018
Primary care	9.5%	9.5%	35.9%	36.8%	26.7%	25.8%	16.6%	16.2%	11.3%	11.7%	41	41
Cardiology	12.1%	12.0%	39.8%	39.1%	27.3%	28.1%	13.7%	13.1%	7.1%	7.4%	39	39
Cardiothoracic and vascular surgery	11.5%	10.8%	40.9%	40.3%	25.3%	25.6%	13.9%	15.3%	8.5%	8.2%	39	39
Critical care medicine	19.5%	19.1%	48.3%	45.8%	19.7%	20.0%	9.4%	10.9%	3.2%	4.2%	35	36
Dermatology	9.3%	9.3%	42.9%	45.6%	31.3%	30.7%	12.7%	10.3%	3.7%	4.2%	39	38
Emergency medicine	9.9%	13.2%	42.9%	42.5%	25.4%	24.7%	14.9%	13.6%	6.7%	6.2%	39	38
Family medicine/ general practice	9.2%	9.2%	35.9%	36.9%	26.8%	26.0%	16.8%	16.2%	11.4%	11.6%	41	41
Gastroenterology	11.4%	14.0%	44.9%	41.9%	25.1%	25.3%	13.0%	13.1%	5.6%	5.6%	38	38
General surgery	15.4%	15.9%	43.8%	42.6%	23.1%	22.1%	11.9%	12.9%	5.9%	6.4%	37	37
Geriatrics	7.0%	7.1%	27.6%	27.4%	28.2%	28.8%	21.1%	21.2%	16.1%	15.6%	45	45
Hospital medicine	19.9%	20.5%	43.3%	41.8%	20.8%	20.1%	10.0%	11.1%	5.8%	6.6%	36	36
Internal medicine- general practice	9.9%	9.4%	33.6%	33.5%	26.2%	25.2%	17.9%	18.3%	12.4%	13.6%	42	42
Neurology	16.9%	14.9%	43.0%	40.9%	22.2%	21.4%	12.0%	14.6%	5.9%	8.3%	36	38
Neurosurgery	15.0%	13.9%	43.2%	43.5%	23.4%	24.5%	12.9%	13.0%	5.5%	5.1%	37	37
Obstetrics and gynecology	15.0%	12.1%	40.4%	43.9%	26.1%	25.4%	12.3%	11.4%	6.1%	7.1%	38	38
Occupational medicine	3.7%	3.3%	22.5%	23.1%	26.6%	27.3%	24.5%	23.4%	22.7%	22.9%	48	48
Oncology	13.6%	12.1%	44.9%	44.2%	25.5%	26.1%	11.3%	12.6%	4.8%	4.9%	37	38
Orthopaedic surgery	11.9%	11.3%	41.9%	43.4%	27.1%	28.3%	14.2%	12.1%	5.0%	4.9%	38	38
Otolaryngology	14.5%	13.2%	44.9%	47.3%	24.7%	25.2%	10.4%	9.5%	5.4%	4.8%	37	37
Pain medicine	10.9%	8.7%	32.0%	35.8%	27.3%	27.4%	20.0%	18.9%	9.8%	9.1%	41	41
Pediatrics- general	12.2%	13.5%	41.3%	42.8%	26.8%	25.4%	12.2%	11.3%	7.5%	7.1%	39	38
Physical medicine/ rehabilitation	8.5%	10.5%	39.1%	40.1%	30.8%	26.4%	13.8%	14.9%	7.7%	8.1%	40	39
Plastic surgery	15.0%	13.9%	50.6%	49.0%	22.9%	25.0%	8.1%	8.0%	3.3%	4.1%	36	36
Psychiatry	15.5%	11.3%	38.5%	31.9%	22.3%	24.8%	13.9%	18.1%	9.9%	14.1%	38	42
Urology	14.2%	9.5%	37.6%	37.0%	25.3%	27.5%	15.5%	16.2%	7.3%	9.8%	39	40

Median Age by Specialty

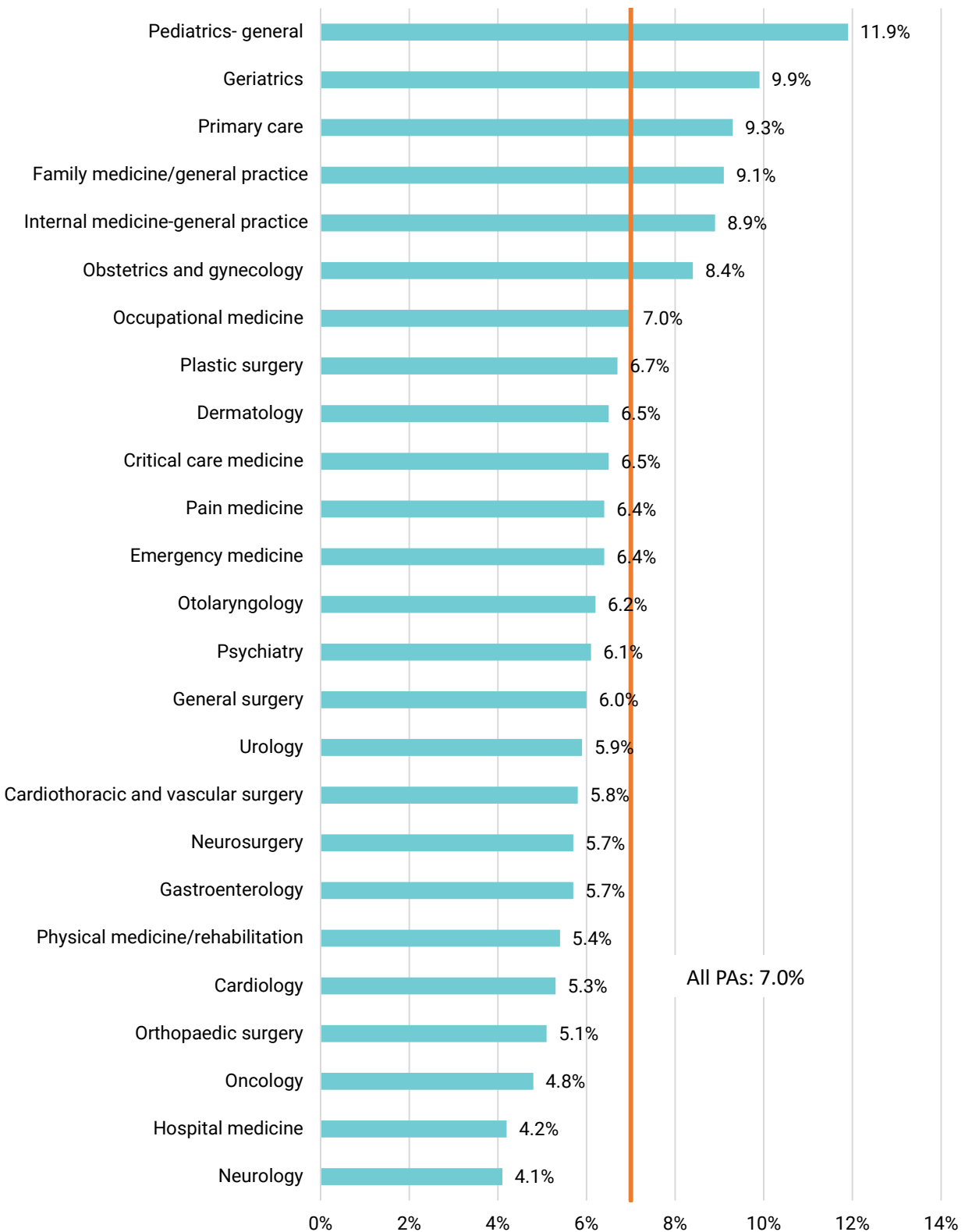


Ethnicity by Specialty

Specialty	Hispanic, Latino(a) or Spanish origin	Hispanic, Latino(a) or Spanish origin	Percent Change 2018- 2022
	2022	2018	
Primary care	9.3%	8.6%	0.7%
Cardiology	5.3%	4.4%	0.9%
Cardiothoracic and vascular surgery	5.8%	5.6%	0.2%
Critical care medicine	6.5%	6.5%	0.0%
Dermatology	6.5%	5.9%	0.6%
Emergency medicine	6.4%	5.6%	0.8%
Family medicine/general practice	9.1%	8.4%	0.7%
Gastroenterology	5.7%	5.1%	0.6%
General surgery	6.0%	5.2%	0.8%
Geriatrics	9.9%	7.3%	2.6%
Hospital medicine	4.2%	4.5%	-0.3%
Internal medicine- general practice	8.9%	8.1%	0.8%
Neurology	4.1%	3.3%	0.8%
Neurosurgery	5.7%	5.5%	0.2%
Obstetrics and gynecology	8.4%	6.5%	1.9%
Occupational medicine	7.0%	6.6%	0.4%
Oncology	4.8%	4.4%	0.4%
Orthopaedic surgery	5.1%	4.5%	0.6%
Otolaryngology	6.2%	5.3%	0.9%
Pain medicine	6.4%	7.4%	-1.0%
Pediatrics- general	11.9%	11.2%	0.7%
Physical medicine/rehabilitation	5.4%	4.0%	1.4%
Plastic surgery	6.7%	6.7%	0.0%
Psychiatry	6.1%	6.0%	0.1%
Urology	5.9%	5.0%	0.9%

Note: PAs were asked if they were of Hispanic, Latino(a) or Spanish origin.

Ethnicity: Hispanic, Latino(a), or Spanish Origin by Specialty



Note: The percentages reflect the distribution within the specialty. For example, 11.9% of PAs in pediatrics-general, indicated they were of Hispanic, Latino(a) or Spanish Origin.

Race by Specialty

Specialty	American Indian or Alaskan Native		Asian		Black/ African American		Multi-race		Native Hawaiian/ Pacific Islander		Other		White		Prefer not to answer	
	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018
Primary care	0.5%	0.5%	5.9%	4.8%	3.8%	3.9%	2.3%	1.8%	0.3%	0.3%	3.4%	3.6%	79.5%	80.3%	4.3%	4.9%
Cardiology	0.2%	0.1%	6.6%	5.9%	2.7%	2.2%	1.6%	1.1%	0.3%	0.3%	2.3%	2.5%	83.1%	84.2%	3.2%	3.6%
Cardiothoracic and vascular surgery	0.2%	0.1%	6.5%	5.5%	2.5%	2.3%	1.6%	1.5%	0.4%	0.4%	2.5%	2.7%	82.6%	83.3%	3.8%	4.1%
Critical care medicine	0.1%	0.2%	6.4%	5.1%	3.9%	4.3%	2.4%	2.2%	0.2%	0.3%	2.2%	2.1%	80.6%	80.9%	4.2%	4.9%
Dermatology	0.2%	0.2%	6.6%	5.3%	1.5%	1.5%	2.1%	1.6%	0.3%	0.3%	2.4%	2.6%	82.6%	83.8%	4.3%	4.7%
Emergency medicine	0.4%	0.4%	5.6%	4.7%	3.4%	3.3%	2.2%	1.6%	0.3%	0.3%	2.8%	2.8%	80.1%	81.2%	5.1%	5.8%
Family medicine/ general practice	0.6%	0.6%	5.3%	4.7%	3.6%	3.3%	2.3%	1.6%	0.3%	0.3%	3.4%	2.8%	80.3%	81.2%	4.3%	5.8%
Gastroenterology	0.2%	0.1%	7.9%	6.0%	2.4%	2.5%	1.8%	1.1%	0.5%	0.7%	2.0%	2.3%	81.3%	83.1%	4.0%	4.3%
General surgery	0.2%	0.3%	7.1%	6.0%	3.5%	3.6%	2.0%	1.5%	0.1%	0.1%	2.6%	2.4%	80.0%	80.5%	4.5%	5.5%
Geriatrics	0.2%	0.4%	4.8%	3.5%	4.6%	5.1%	1.7%	1.6%	0.1%	0.0%	4.6%	3.3%	79.8%	82.1%	4.3%	4.0%
Hospital medicine	0.2%	0.3%	7.9%	7.1%	4.8%	5.4%	2.0%	1.7%	0.2%	0.2%	2.1%	2.5%	78.9%	78.3%	4.0%	4.6%
Internal medicine- general practice	0.2%	0.3%	8.5%	6.7%	5.4%	5.6%	2.3%	1.3%	0.3%	0.3%	3.6%	3.6%	74.8%	76.8%	4.9%	5.4%
Neurology	0.2%	0.2%	5.6%	3.7%	3.2%	2.5%	2.1%	1.7%	0.2%	0.2%	2.1%	1.8%	82.9%	85.2%	3.8%	4.6%
Neurosurgery	0.4%	0.3%	6.2%	6.0%	2.8%	2.9%	2.1%	1.9%	0.3%	0.4%	3.1%	3.1%	80.8%	79.9%	4.3%	5.6%
Obstetrics and gynecology	0.5%	0.6%	5.7%	5.8%	4.7%	5.5%	1.8%	1.4%	0.2%	0.3%	3.5%	3.3%	80.2%	79.9%	3.4%	3.1%
Occupational medicine	0.5%	0.4%	6.8%	5.5%	5.7%	5.4%	2.2%	2.1%	1.0%	0.6%	2.5%	2.5%	76.3%	77.9%	5.0%	5.5%
Oncology	0.2%	0.2%	7.2%	7.4%	2.7%	3.6%	1.9%	1.4%	0.1%	0.1%	1.3%	2.4%	83.0%	81.2%	3.4%	3.8%
Orthopaedic surgery	0.3%	0.2%	3.9%	3.3%	1.8%	2.1%	1.9%	1.6%	0.3%	0.3%	2.1%	2.3%	85.9%	86.0%	3.8%	4.2%
Otolaryngology	0.6%	0.8%	8.5%	6.5%	2.5%	2.8%	1.9%	1.6%	0.1%	0.4%	1.8%	2.4%	81.4%	80.9%	3.3%	4.6%
Pain medicine	0.4%	0.6%	7.7%	5.9%	4.1%	5.7%	2.4%	1.7%	0.1%	0.2%	3.2%	4.0%	77.2%	75.6%	4.9%	6.4%
Pediatrics- general	0.4%	0.2%	5.3%	4.5%	2.8%	3.1%	1.9%	1.8%	0.1%	0.2%	3.6%	3.8%	82.9%	82.7%	3.0%	3.7%
Physical medicine/ rehabilitation	0.6%	0.2%	6.3%	7.0%	3.8%	4.6%	2.7%	2.0%	0.5%	0.3%	2.9%	2.9%	78.7%	78.3%	4.6%	4.7%
Plastic surgery	0.3%	0.1%	5.8%	5.3%	1.7%	1.4%	2.6%	2.3%	0.2%	0.6%	2.9%	2.6%	84.2%	83.7%	2.4%	4.0%
Psychiatry	0.3%	0.5%	6.6%	4.5%	4.8%	5.5%	3.0%	2.5%	0.2%	0.3%	2.9%	3.3%	77.6%	77.3%	4.7%	6.1%
Urology	0.3%	0.2%	6.9%	5.4%	3.2%	3.4%	2.5%	1.3%	0.7%	0.6%	2.2%	2.8%	80.5%	83.0%	3.8%	3.2%

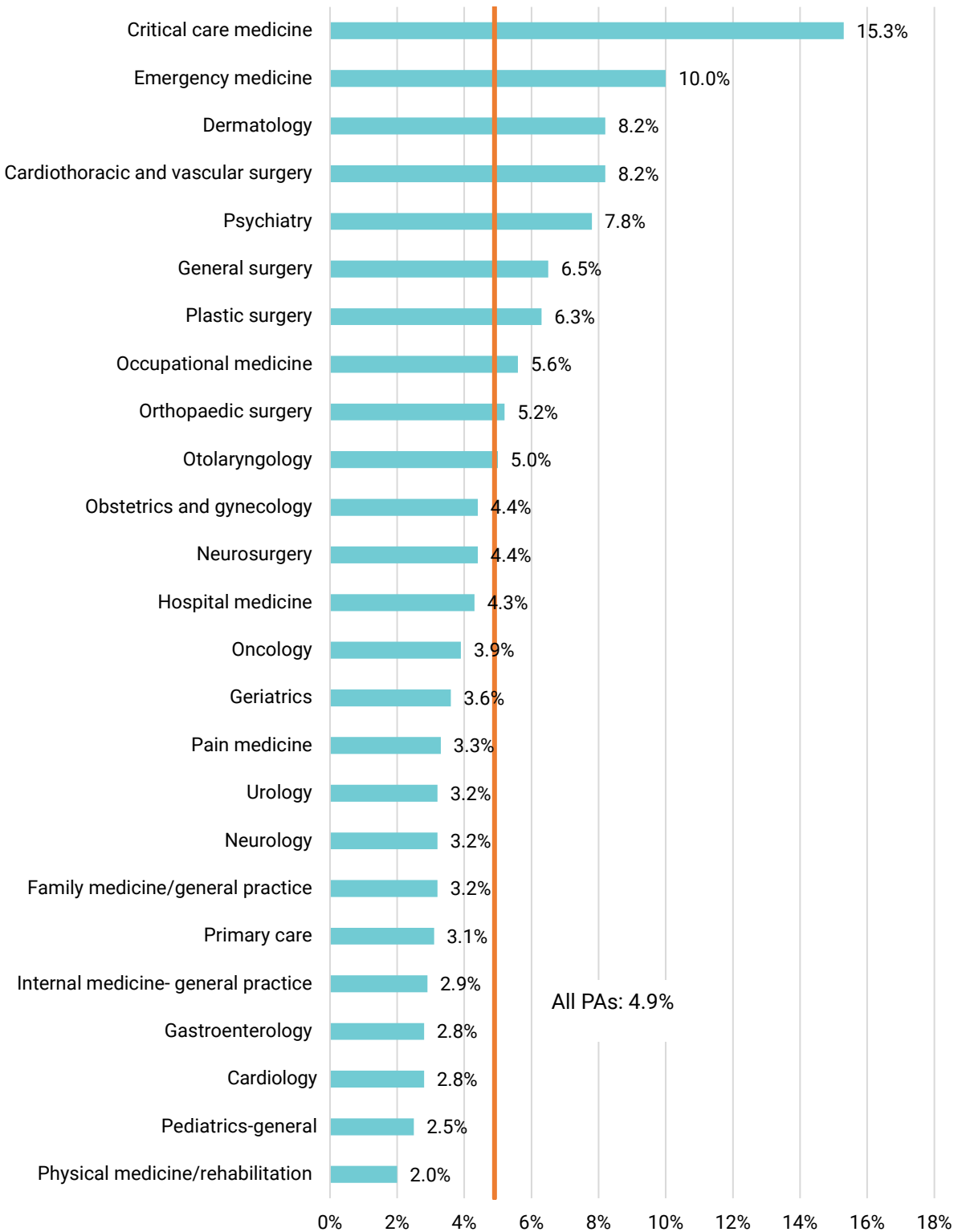
Note: PAs were asked how they classify their race.

Postgraduate Program by Specialty Practice Area

Specialty	Complete Postgraduate Program (residency or fellowship)	Practice Area of Postgraduate Program Same as Current Principal Practice Area
Primary care	3.1%	48.7%
Cardiology	2.8%	28.0%
Cardiothoracic and vascular surgery	8.2%	34.1%
Critical care medicine	15.3%	68.9%
Dermatology	8.2%	84.2%
Emergency medicine	10.0%	85.0%
Family medicine/general practice	3.2%	46.0%
Gastroenterology	2.8%	30.9%
General surgery	6.5%	73.6%
Geriatrics	3.6%	18.8%
Hospital medicine	4.3%	62.0%
Internal medicine- general practice	2.9%	22.8%
Neurology	3.2%	50.0%
Neurosurgery	4.4%	23.9%
Obstetrics and gynecology	4.4%	77.4%
Occupational medicine	5.6%	24.1%
Oncology	3.9%	59.7%
Orthopaedic surgery	5.2%	69.3%
Otolaryngology	5.0%	45.9%
Pain medicine	3.3%	12.5%
Pediatrics- general	2.5%	45.1%
Physical medicine/rehabilitation	2.0%	23.1%
Plastic surgery	6.3%	9.5%
Psychiatry	7.8%	74.7%
Urology	3.2%	21.1%

Note: PAs were asked if they completed a PA postgraduate program and, if yes, to provide the program's specialty focus.

Completed a Postgraduate Program by Specialty Practice Area



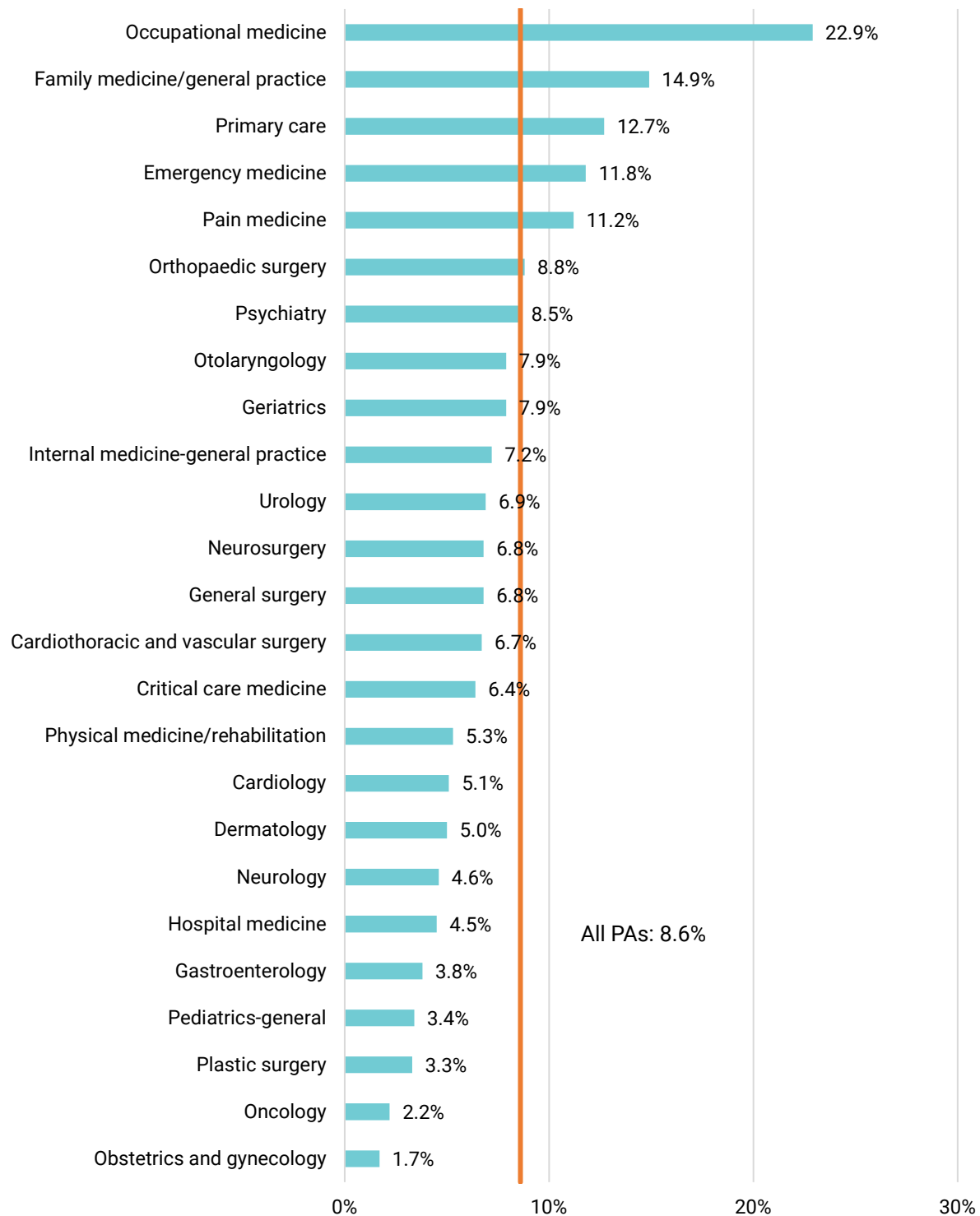
Note: The percentages reflect the distribution within the specialty. For example, 15.3% of PAs in critical care medicine indicated they completed a postgraduate program.

Military Service by Specialty

Specialty	Served in U.S. Military		Served in U.S. Military Percent Change 2018-2022	Military Status 2022				
	2022	2018		Active duty	Reserve	National Guard	Retired	Veteran
Primary care	12.7%	14.1%	-1.4%	36.2%	3.9%	6.3%	21.4%	32.1%
Cardiology	5.1%	5.9%	-0.8%	2.3%	4.0%	7.5%	17.2%	69.0%
Cardiothoracic and vascular surgery	6.7%	8.8%	-2.1%	4.7%	5.1%	10.2%	19.6%	60.4%
Critical care medicine	6.4%	6.7%	-0.3%	5.4%	6.1%	17.6%	12.2%	58.8%
Dermatology	5.0%	6.0%	-1.0%	4.9%	5.7%	8.6%	27.3%	53.5%
Emergency medicine	11.8%	13.0%	-1.2%	14.9%	5.9%	12.9%	21.4%	44.9%
Family medicine/general practice	14.9%	16.3%	-1.4%	39.9%	3.8%	6.1%	21.0%	29.2%
Gastroenterology	3.8%	5.0%	-1.2%	2.7%	5.3%	12.0%	14.7%	65.3%
General surgery	6.8%	7.5%	-0.7%	12.3%	8.6%	12.8%	13.6%	52.7%
Geriatrics	7.9%	7.7%	0.2%	8.5%	2.8%	11.3%	23.9%	53.5%
Hospital medicine	4.5%	6.4%	-1.9%	2.1%	7.7%	10.8%	15.4%	64.1%
Internal medicine- general practice	7.2%	9.8%	-2.6%	11.1%	5.1%	7.1%	24.8%	51.9%
Neurology	4.6%	5.7%	-1.1%	10.9%	7.3%	20.0%	16.4%	45.5%
Neurosurgery	6.8%	8.6%	-1.8%	6.4%	3.5%	10.5%	22.7%	57.0%
Obstetrics and gynecology	1.7%	1.8%	-0.1%	8.3%	4.2%	8.3%	0.0%	79.2%
Occupational medicine	22.9%	25.0%	-2.1%	17.4%	4.0%	9.1%	26.5%	43.0%
Oncology	2.2%	2.6%	-0.4%	2.4%	7.3%	4.9%	22.0%	63.4%
Orthopaedic surgery	8.8%	10.7%	-1.9%	12.2%	6.5%	11.4%	23.1%	46.8%
Otolaryngology	7.9%	9.0%	-1.1%	6.2%	7.2%	12.4%	29.9%	44.3%
Pain medicine	11.2%	13.4%	-2.2%	3.6%	1.6%	5.7%	25.4%	63.7%
Pediatrics- general	3.4%	3.4%	0.0%	7.0%	4.2%	7.0%	23.9%	57.7%
Physical medicine/rehabilitation	5.3%	6.6%	-1.3%	8.6%	2.9%	8.6%	22.9%	57.1%
Plastic surgery	3.3%	3.8%	-0.5%	21.1%	5.3%	2.6%	18.4%	52.6%
Psychiatry	8.5%	11.8%	-3.3%	6.3%	4.1%	5.9%	21.3%	62.4%
Urology	6.9%	8.8%	-1.9%	6.0%	8.4%	9.6%	24.1%	51.8%

Note: PAs were asked if they now serve or have ever served in the U.S. Armed Forces, and if so, to provide their current status.

Currently or Previously Served in the U.S. Armed Forces by Specialty



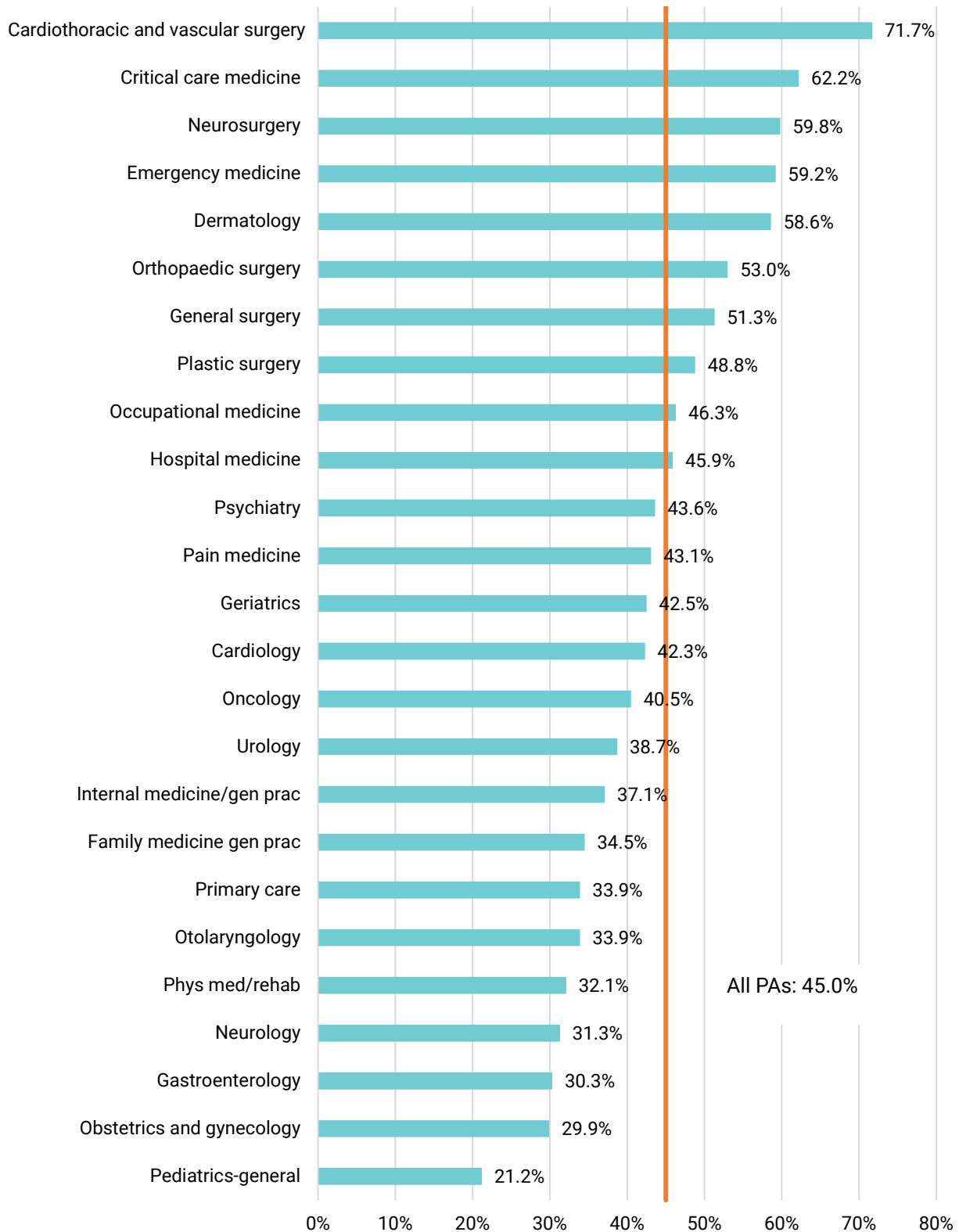
Note: The percentages reflect the distribution within the specialty. For example, 22.9% of PAs in occupational medicine indicated they served in the U.S. Armed Forces.

Total Income from All PA Positions by Specialty

	≤\$60,000		\$60,001-\$80,000		\$80,001-\$100,000		\$100,001-\$120,000		\$120,001-\$140,000		\$140,001-\$160,000		\$160,001-\$180,000		\$180,001-\$200,000		More than \$200,000	
Specialty	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018
Primary care	5.9%	7.3%	6.6%	10.0%	22.2%	33.2%	31.4%	29.0%	18.3%	11.6%	8.2%	4.7%	3.2%	1.9%	2.0%	1.1%	2.2%	1.3%
Cardiology	2.8%	4.4%	3.7%	4.8%	15.1%	27.4%	36.2%	37.9%	25.2%	16.9%	10.4%	5.5%	3.5%	1.7%	1.9%	0.7%	1.3%	0.7%
Cardio-thoracic and vascular surgery	1.0%	1.5%	1.6%	2.2%	6.1%	13.3%	19.6%	26.5%	22.1%	19.8%	17.7%	15.0%	12.2%	9.2%	8.0%	5.3%	11.7%	7.2%
Critical care medicine	1.0%	1.6%	1.9%	1.8%	6.5%	16.1%	28.4%	35.2%	25.9%	22.1%	16.7%	11.3%	8.1%	4.6%	5.1%	3.5%	6.4%	3.7%
Dermatology	3.1%	4.0%	4.3%	6.6%	13.5%	18.9%	20.4%	22.4%	16.3%	15.4%	12.0%	10.6%	7.4%	6.9%	7.0%	5.2%	15.9%	9.9%
Emergency medicine	3.0%	3.5%	2.7%	3.3%	9.4%	14.8%	25.7%	30.7%	24.2%	21.7%	16.1%	12.5%	8.3%	5.9%	4.6%	3.5%	6.0%	4.2%
Family medicine/gen prac	5.6%	6.8%	6.3%	9.5%	21.9%	32.8%	31.7%	29.5%	18.4%	12.0%	8.5%	5.0%	3.4%	1.8%	2.0%	1.2%	2.2%	1.3%
Gastro-enterology	2.9%	4.9%	4.6%	7.5%	23.2%	38.9%	39.0%	33.1%	20.5%	11.1%	6.7%	3.0%	1.8%	1.0%	0.5%	0.4%	0.8%	0.3%
General surgery	2.4%	3.3%	2.0%	4.0%	10.7%	25.0%	33.7%	36.2%	26.2%	17.6%	13.1%	7.6%	5.8%	3.2%	3.5%	1.6%	2.7%	1.5%
Geriatrics	6.0%	6.9%	4.8%	6.4%	16.1%	26.7%	30.6%	33.5%	22.3%	15.4%	10.7%	5.7%	4.9%	2.3%	2.3%	1.4%	2.3%	1.7%
Hospital medicine	2.6%	3.6%	2.6%	2.6%	11.9%	25.5%	37.3%	38.1%	25.6%	18.6%	11.9%	6.1%	4.1%	2.7%	2.1%	1.3%	2.2%	1.5%
Internal medicine-gen prac	5.7%	7.1%	5.3%	8.8%	20.1%	33.3%	32.0%	30.4%	20.2%	11.6%	8.6%	4.3%	3.6%	2.2%	2.1%	1.0%	2.6%	1.3%
Neurology	3.5%	4.7%	4.0%	8.3%	21.8%	39.0%	39.3%	30.5%	20.5%	12.0%	6.7%	3.2%	2.1%	1.5%	1.0%	0.2%	1.0%	0.6%
Neuro-surgery	1.2%	1.4%	1.3%	2.6%	8.9%	19.4%	28.9%	31.1%	25.9%	22.6%	15.9%	10.9%	7.5%	5.6%	5.3%	2.9%	5.2%	3.4%
Obstetrics and gynecology	6.6%	9.1%	7.0%	12.3%	23.4%	36.5%	33.0%	27.4%	17.7%	10.0%	7.7%	3.6%	2.7%	0.5%	1.2%	0.5%	0.6%	0.3%
Occupational medicine	8.7%	9.2%	5.2%	5.4%	11.1%	19.7%	28.8%	36.1%	23.7%	17.2%	12.6%	8.0%	5.5%	1.4%	2.0%	1.2%	2.5%	1.9%
Oncology	2.2%	4.0%	2.8%	5.8%	16.3%	33.3%	38.2%	37.0%	24.3%	13.7%	9.7%	4.3%	4.2%	1.0%	1.1%	0.6%	1.2%	0.4%
Orthopaedic surgery	1.9%	2.1%	1.8%	2.8%	12.2%	22.7%	31.1%	33.6%	25.3%	20.3%	13.8%	9.3%	6.0%	4.1%	3.8%	2.4%	4.1%	2.6%
Otolaryn-gology	3.9%	5.5%	4.5%	6.9%	20.4%	33.9%	37.2%	32.7%	19.5%	13.4%	8.6%	4.2%	3.2%	2.2%	1.6%	0.6%	1.0%	0.7%
Pain medicine	3.7%	4.2%	4.1%	6.7%	17.8%	26.2%	31.2%	34.0%	22.7%	15.9%	11.1%	7.9%	4.8%	2.9%	2.1%	0.7%	2.4%	1.5%
Pediatrics-general	9.3%	12.4%	11.9%	17.1%	29.8%	36.6%	27.9%	20.7%	12.7%	7.2%	4.5%	3.1%	1.8%	1.4%	0.9%	0.6%	1.3%	0.8%
Phys med/rehab	5.3%	7.0%	5.1%	8.4%	20.6%	33.4%	36.6%	31.8%	18.0%	13.1%	8.7%	3.8%	2.9%	1.3%	1.0%	0.3%	1.5%	0.8%
Plastic surgery	4.0%	4.5%	3.4%	5.0%	12.1%	27.4%	31.5%	31.3%	22.9%	18.2%	12.8%	5.0%	5.3%	3.8%	2.8%	1.6%	5.0%	3.1%
Psychiatry	5.2%	4.4%	4.4%	6.6%	16.1%	28.1%	30.6%	31.1%	21.0%	15.6%	10.7%	6.6%	4.5%	3.3%	3.1%	1.8%	4.3%	2.5%
Urology	2.4%	3.9%	2.2%	6.0%	18.5%	27.3%	37.9%	38.3%	22.5%	14.7%	8.9%	5.0%	3.8%	2.9%	1.9%	0.8%	1.6%	1.0%

Note: PAs were asked to estimate their total income in the last calendar year from all PA positions combined.

Total Income from All PA Positions Over \$120,000 by Specialty



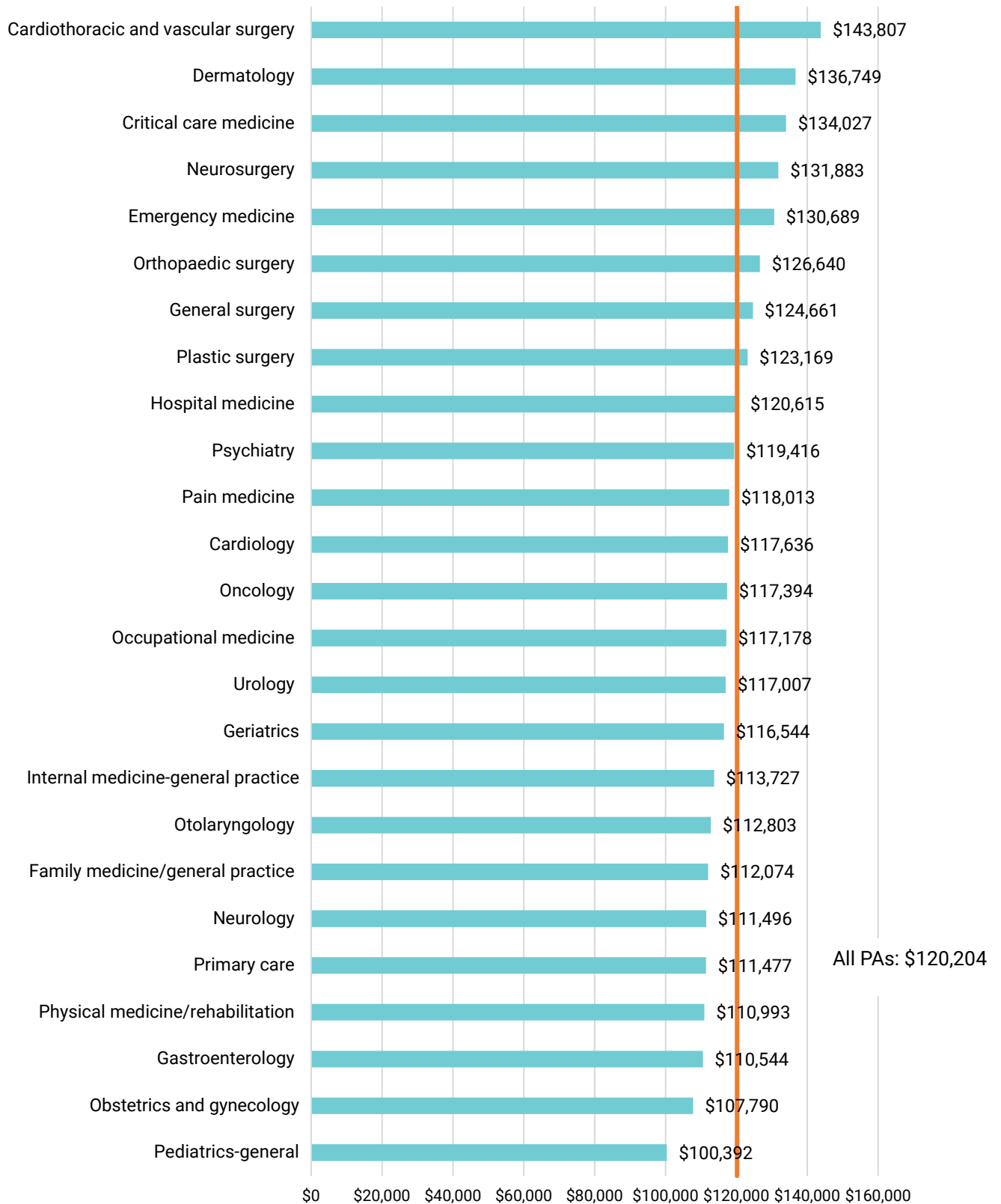
Note: The percentages reflect the distribution within the specialty.

Total Income from All PA Positions by Specialty: Mean and Median

Specialty	Mean		Median	
	2022	2018	2022	2018
Primary care	\$111,477	\$101,846	\$105,000	\$95,000
Cardiology	\$117,636	\$107,566	\$115,000	\$105,000
Cardiothoracic and vascular surgery	\$143,807	\$132,071	\$135,000	\$125,000
Critical care medicine	\$134,027	\$122,938	\$125,000	\$115,000
Dermatology	\$136,749	\$126,084	\$125,000	\$115,000
Emergency medicine	\$130,689	\$123,006	\$125,000	\$115,000
Family medicine/general practice	\$112,074	\$102,674	\$105,000	\$105,000
Gastroenterology	\$110,544	\$100,363	\$105,000	\$95,000
General surgery	\$124,661	\$112,397	\$125,000	\$105,000
Geriatrics	\$116,544	\$106,616	\$115,000	\$105,000
Hospital medicine	\$120,615	\$111,426	\$115,000	\$105,000
Internal medicine- general practice	\$113,727	\$102,442	\$115,000	\$105,000
Neurology	\$111,496	\$101,091	\$105,000	\$95,000
Neurosurgery	\$131,883	\$121,927	\$125,000	\$115,000
Obstetrics and gynecology	\$107,790	\$96,244	\$105,000	\$95,000
Occupational medicine	\$117,178	\$107,897	\$115,000	\$105,000
Oncology	\$117,394	\$104,438	\$115,000	\$105,000
Orthopaedic surgery	\$126,640	\$117,479	\$125,000	\$115,000
Otolaryngology	\$112,803	\$103,510	\$115,000	\$105,000
Pain medicine	\$118,013	\$109,273	\$115,000	\$105,000
Pediatrics- general	\$100,392	\$92,194	\$95,000	\$95,000
Physical medicine/rehabilitation	\$110,993	\$101,344	\$105,000	\$105,000
Plastic surgery	\$123,169	\$111,667	\$115,000	\$105,000
Psychiatry	\$119,416	\$110,466	\$115,000	\$105,000
Urology	\$117,007	\$107,837	\$115,000	\$105,000

Note: PAs were asked to estimate their total income in the last calendar year from all PA positions combined.

Mean Income from All PA Positions by Specialty



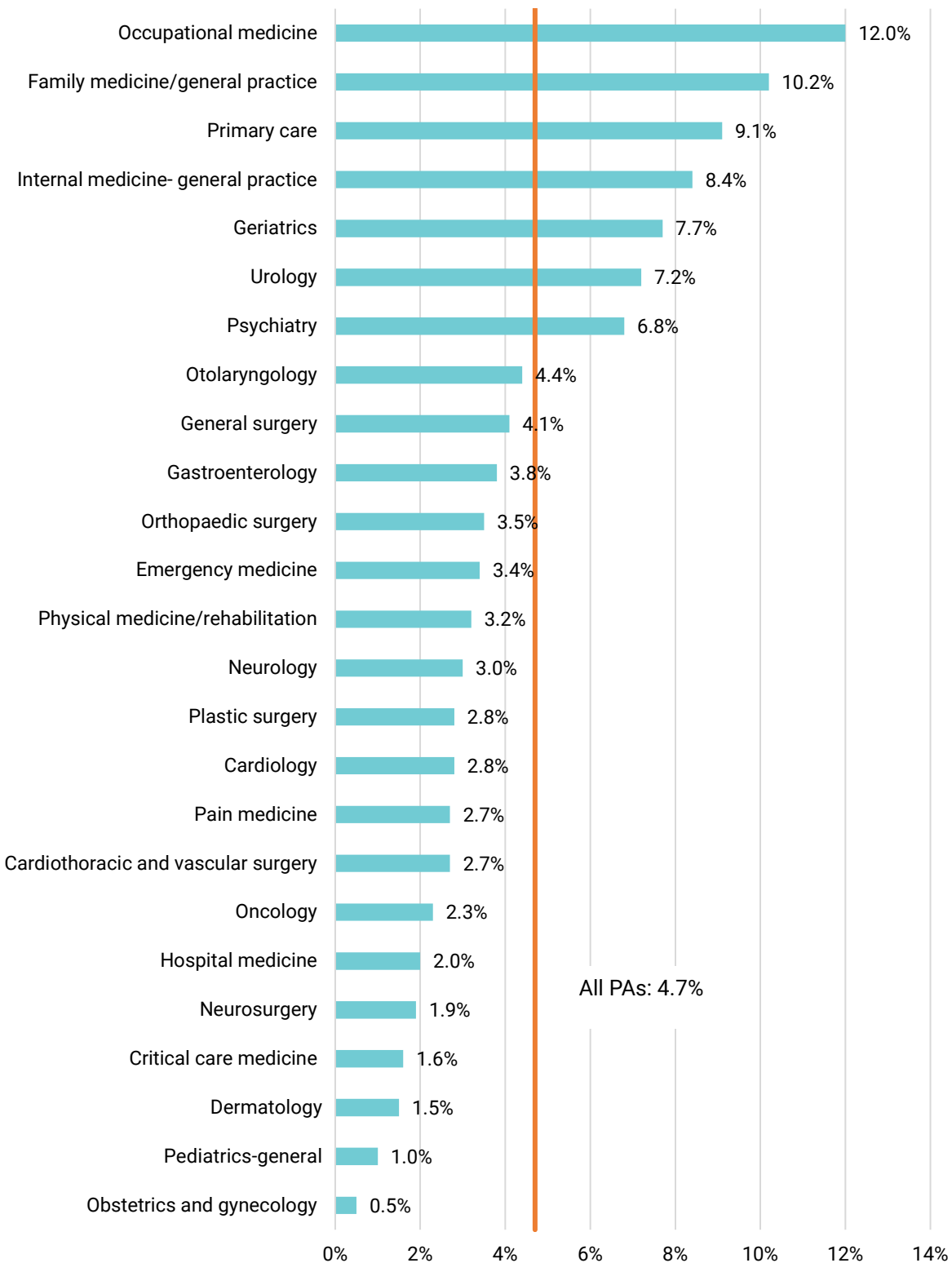
Top Principal Practice Settings by Specialty

Specialty	Hospital		Office-based private practice		Federal government		Urgent care		Community health center		Behavioral/mental health facility*	
	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018
Primary care	10.3%	8.5%	53.6%	55.9%	9.1%	9.7%	4.0%	3.3%	9.7%	9.5%	0.3%	0.4%
Cardiology	61.4%	58.4%	32.9%	36.7%	2.8%	3.2%	0.1%	0.1%	0.4%	0.2%	0.0%	0.0%
Cardiothoracic and vascular surgery	84.7%	83.1%	10.8%	12.2%	2.7%	3.4%	0.1%	0.1%	0.2%	0.3%	0.0%	0.0%
Critical care medicine	95.7%	94.5%	1.2%	2.2%	1.6%	2.1%	0.9%	0.7%	0.1%	0.1%	0.0%	0.0%
Dermatology	5.0%	4.1%	91.5%	92.6%	1.5%	1.7%	<0.1%	0.0%	0.2%	0.1%	<0.1%	0.0%
Emergency medicine	80.6%	85.4%	3.7%	3.4%	3.4%	3.1%	10.2%	6.6%	0.4%	0.4%	<0.1%	<0.1%
Family medicine/general practice	8.2%	6.5%	50.8%	53.0%	10.2%	10.6%	4.9%	4.0%	11.2%	10.9%	0.2%	0.2%
Gastroenterology	39.4%	34.2%	53.3%	59.7%	3.8%	4.2%	0.1%	0.1%	0.7%	0.6%	0.0%	0.0%
General surgery	80.2%	78.5%	11.9%	14.2%	4.1%	4.4%	0.2%	0.1%	0.3%	0.6%	0.0%	0.0%
Geriatrics	6.3%	6.9%	24.7%	22.7%	7.7%	8.0%	0.0%	0.3%	1.4%	1.4%	0.1%	0.0%
Hospital medicine	94.9%	94.4%	0.8%	0.9%	2.0%	2.6%	0.1%	0.1%	0.2%	0.3%	0.3%	0.5%
Internal medicine- general practice	18.9%	16.7%	56.6%	58.5%	8.4%	9.7%	1.3%	1.2%	5.0%	5.0%	0.9%	1.0%
Neurology	54.5%	49.2%	39.0%	44.5%	3.0%	4.0%	0.1%	0.0%	0.2%	0.4%	0.0%	0.0%
Neurosurgery	65.1%	58.9%	29.1%	36.5%	1.9%	2.5%	0.1%	<0.1%	0.4%	0.3%	0.0%	0.0%
Obstetrics and gynecology	37.1%	30.6%	52.0%	57.2%	0.5%	0.7%	0.0%	0.1%	5.6%	6.8%	0.0%	0.0%
Occupational medicine	10.5%	9.7%	26.2%	22.6%	12.0%	11.7%	4.6%	4.2%	0.3%	0.3%	0.0%	0.0%
Oncology	62.0%	58.6%	31.8%	35.8%	2.3%	2.4%	0.1%	0.0%	0.5%	0.6%	0.0%	0.0%
Orthopaedic surgery	37.0%	32.9%	55.3%	60.2%	3.5%	3.8%	0.3%	0.3%	0.4%	0.4%	0.0%	0.0%
Otolaryngology	32.5%	30.2%	60.6%	62.9%	4.4%	4.1%	0.3%	0.1%	0.5%	0.8%	0.0%	0.0%
Pain medicine	14.0%	11.7%	80.9%	83.4%	2.7%	3.2%	0.2%	0.0%	0.2%	0.3%	0.0%	0.0%
Pediatrics- general	10.4%	7.3%	73.8%	77.6%	1.0%	0.7%	1.8%	1.4%	6.2%	5.5%	0.1%	0.1%
Physical medicine/rehabilitation	26.3%	21.1%	48.8%	54.6%	3.2%	3.2%	0.0%	0.2%	0.6%	0.6%	0.0%	0.0%
Plastic surgery	42.3%	44.0%	47.3%	45.4%	2.8%	4.1%	0.1%	0.0%	0.4%	0.5%	0.0%	0.0%
Psychiatry	17.0%	18.1%	43.1%	33.7%	6.8%	11.0%	0.2%	0.2%	3.9%	5.0%	19.2%	23.0%
Urology	36.3%	33.3%	53.6%	56.2%	7.2%	7.5%	0.0%	0.1%	0.3%	0.5%	0.0%	0.0%

Note: PAs were asked which practice setting they practice in their principal clinical location.

* Behavioral/mental health facility is not in the top practice settings. It is included in this report due to the growing public need in this area.

Federal Government Practice Setting by Specialty



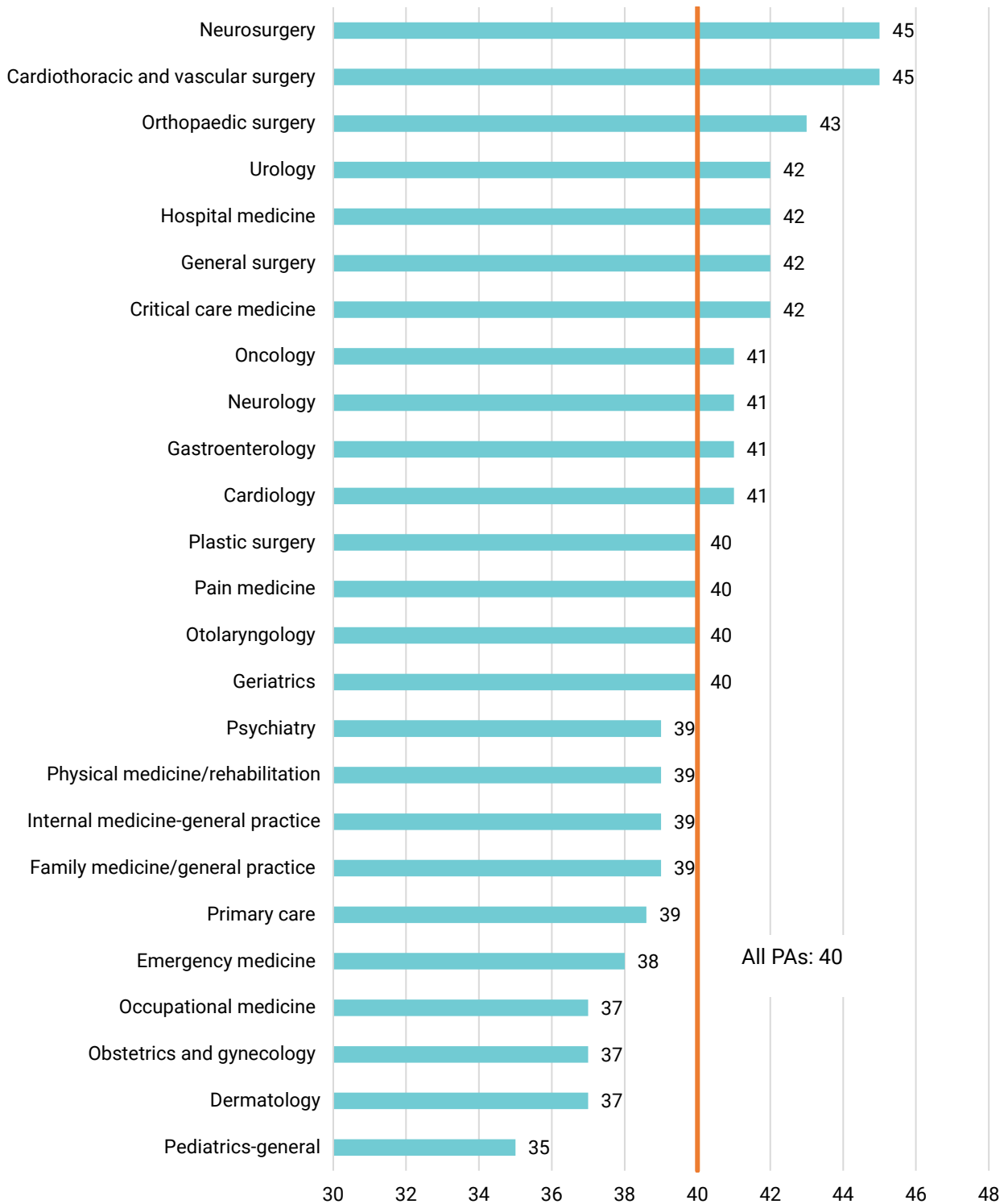
Note: The percentages reflect the distribution within the specialty.

Hours Worked per Week by Principal Clinical Position by Specialty

Specialty	2022		2018	
	Mean	Median	Mean	Median
Primary care	39	40	39	40
Cardiology	41	40	42	40
Cardiothoracic and vascular surgery	45	45	46	48
Critical care medicine	42	40	42	40
Dermatology	37	40	37	40
Emergency medicine	38	40	39	40
Family medicine/general practice	39	40	39	40
Gastroenterology	41	40	41	40
General surgery	42	40	43	40
Geriatrics	40	40	40	40
Hospital medicine	42	40	43	40
Internal medicine- general practice	39	40	40	40
Neurology	41	40	41	40
Neurosurgery	45	45	46	45
Obstetrics and gynecology	37	40	37	40
Occupational medicine	37	40	38	40
Oncology	41	40	41	40
Orthopaedic surgery	43	42	45	45
Otolaryngology	40	40	40	40
Pain medicine	40	40	40	40
Pediatrics- general	35	40	36	40
Physical medicine/rehabilitation	39	40	40	40
Plastic surgery	40	40	41	40
Psychiatry	39	40	40	40
Urology	42	40	42	40

Note: PAs were asked how many hours per week they work at their principal position.

Mean Hours Worked per Week In Principal Clinical Position by Specialty

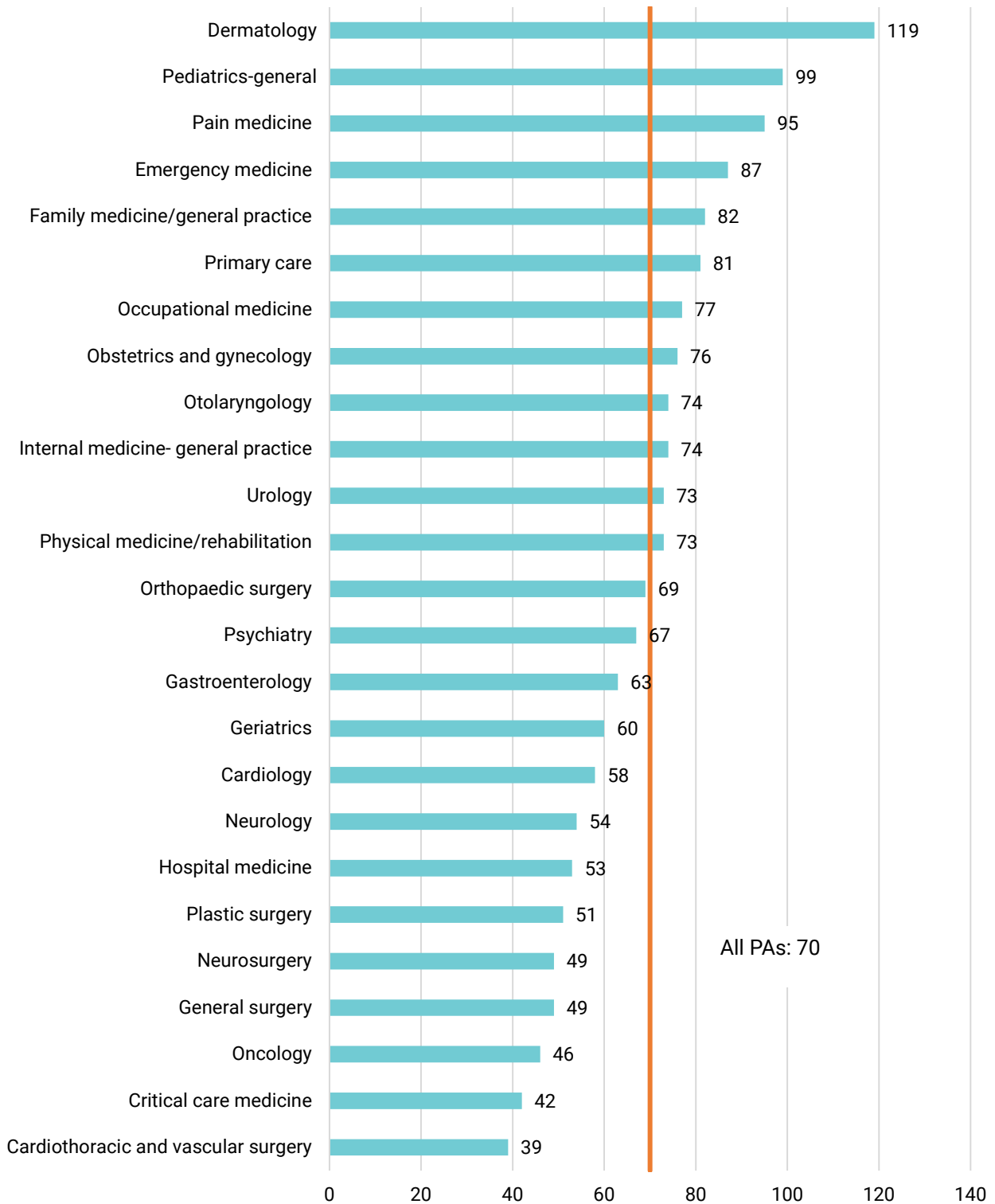


Patients Seen per Week by Specialty (working 40+ hours per week)

Specialty	2022		2018	
	Mean	Median	Mean	Median
Primary care	81	80	84	80
Cardiology	58	50	59	50
Cardiothoracic and vascular surgery	39	30	39	30
Critical care medicine	42	30	45	36
Dermatology	119	115	118	115
Emergency medicine	87	80	88	80
Family medicine/general practice	82	80	85	80
Gastroenterology	63	60	63	60
General surgery	49	45	51	50
Geriatrics	60	50	61	55
Hospital medicine	53	50	56	50
Internal medicine- general practice	74	70	75	70
Neurology	54	50	54	50
Neurosurgery	49	45	49	45
Obstetrics and gynecology	76	75	77	75
Occupational medicine	77	75	82	80
Oncology	46	40	49	45
Orthopaedic surgery	69	60	70	60
Otolaryngology	74	75	77	75
Pain medicine	95	100	96	100
Pediatrics- general	99	100	105	100
Physical medicine/rehabilitation	73	70	79	75
Plastic surgery	51	50	54	50
Psychiatry	67	60	68	60
Urology	73	70	73	70

Note: PAs were asked how many patients they see during a typical work week.

Mean Number of Patients Seen per Week by Specialty (PAs working 40+ Hours per Week)

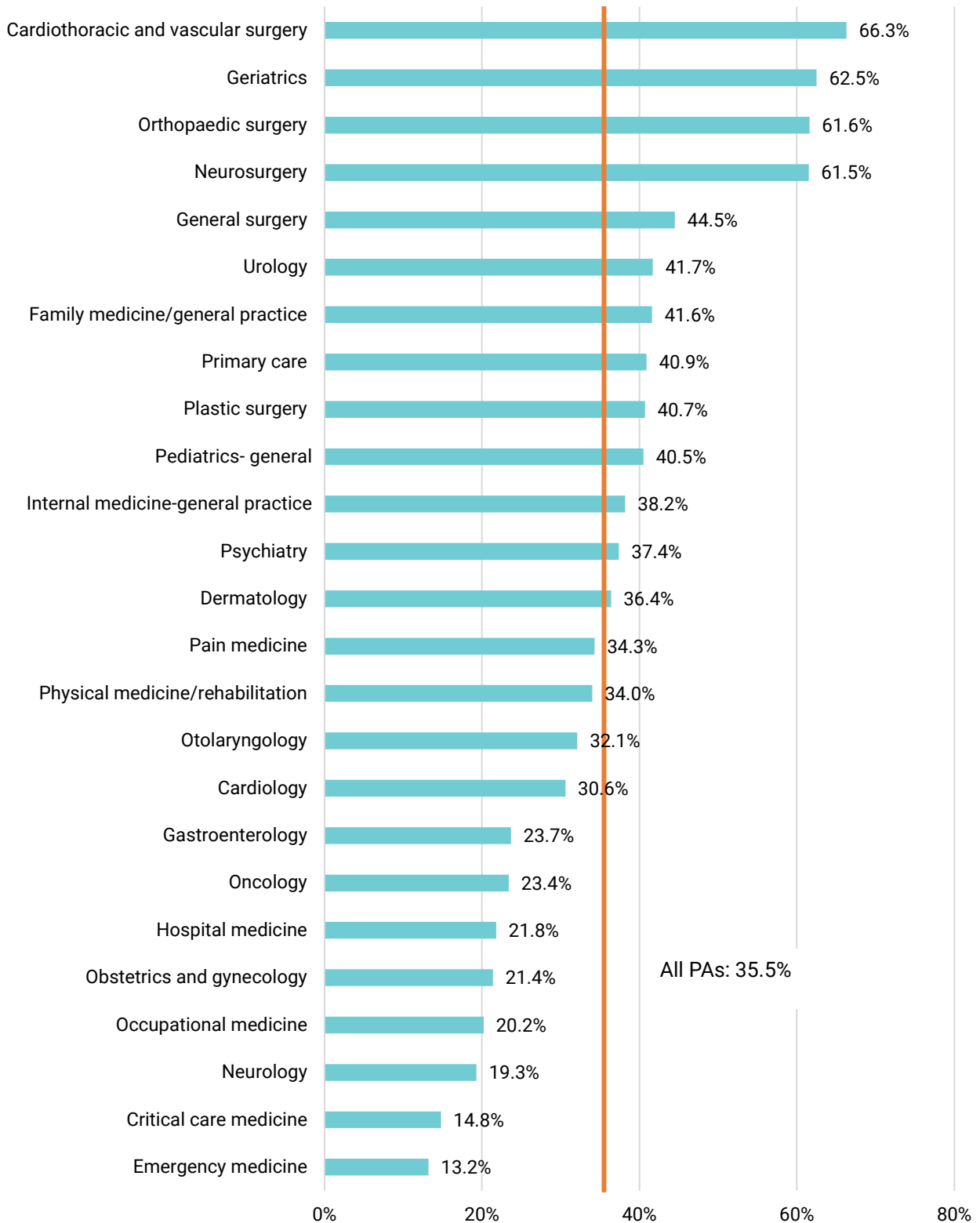


Weekly On-Call Time by Specialty

Specialty	None (I do not take calls)		5 or fewer hours/week		6-10 hours/week		More than 10 hours/week	
	2022	2018	2022	2018	2022	2018	2022	2018
Primary care	59.1%	62.0%	25.2%	21.8%	6.1%	5.8%	9.6%	10.4%
Cardiology	69.4%	70.6%	16.5%	14.3%	5.9%	6.1%	8.2%	9.0%
Cardiothoracic and vascular surgery	33.7%	31.5%	9.5%	9.6%	10.3%	10.1%	46.5%	48.7%
Critical care medicine	85.2%	83.6%	5.3%	4.5%	2.1%	3.1%	7.4%	8.8%
Dermatology	63.6%	63.6%	30.3%	28.9%	2.1%	2.5%	4.1%	5.1%
Emergency medicine	86.8%	88.6%	8.4%	6.6%	1.9%	2.0%	2.9%	2.8%
Family medicine/general practice	58.4%	61.3%	26.4%	22.9%	5.8%	5.7%	9.4%	10.1%
Gastroenterology	76.3%	73.3%	13.9%	14.3%	4.2%	5.0%	5.6%	7.5%
General surgery	55.5%	53.0%	14.1%	14.7%	9.3%	9.8%	21.2%	22.6%
Geriatrics	37.5%	38.0%	26.4%	24.2%	13.2%	13.9%	22.9%	23.9%
Hospital medicine	78.2%	76.5%	7.8%	7.7%	3.7%	4.4%	10.2%	11.4%
Internal medicine- general practice	61.8%	64.7%	21.8%	19.4%	6.7%	5.7%	9.7%	10.3%
Neurology	80.7%	78.8%	10.8%	12.2%	3.4%	3.7%	5.2%	5.3%
Neurosurgery	38.5%	36.6%	14.9%	15.5%	12.7%	12.7%	33.9%	35.2%
Obstetrics and gynecology	78.6%	79.2%	9.8%	8.4%	2.5%	2.4%	9.0%	10.0%
Occupational medicine	79.8%	81.0%	11.2%	8.8%	2.7%	3.0%	6.3%	7.2%
Oncology	76.6%	75.1%	14.2%	14.2%	4.2%	4.2%	5.0%	6.5%
Orthopaedic surgery	38.4%	36.8%	27.8%	26.0%	13.8%	14.8%	20.1%	22.4%
Otolaryngology	67.9%	68.7%	17.7%	14.1%	4.7%	6.0%	9.6%	11.2%
Pain medicine	65.7%	65.1%	26.4%	25.3%	3.4%	2.9%	4.5%	6.7%
Pediatrics- general	59.5%	61.7%	21.3%	17.3%	7.8%	7.7%	11.4%	13.2%
Physical medicine/rehabilitation	66.0%	65.9%	20.0%	21.0%	5.8%	5.1%	8.2%	8.0%
Plastic surgery	59.3%	59.3%	22.1%	22.0%	5.6%	7.3%	13.0%	11.5%
Psychiatry	62.6%	60.1%	22.9%	24.3%	4.7%	5.6%	9.8%	9.9%
Urology	58.3%	61.0%	17.2%	15.0%	8.8%	9.0%	15.8%	15.0%

Note: PAs were asked how much on-call time (either on the phone or in person) do they take at their principal clinical position during a typical week.

PA^s who Have On-Call Time in Principal Position by Specialty



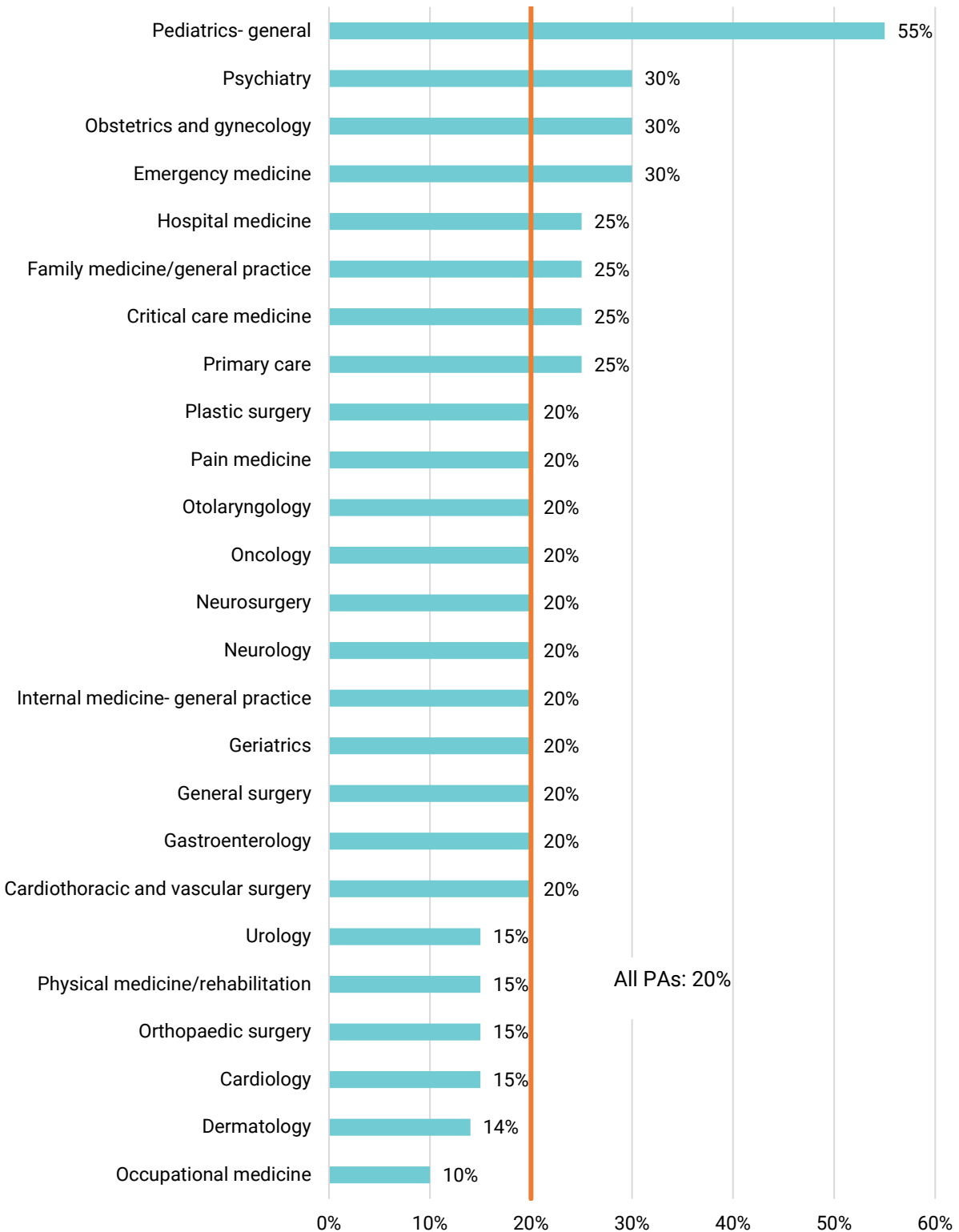
Note: The percentages reflect the distribution within the specialty.

Payer Mix by Specialty (Median Percent)

Specialty	Private insurance		Medicaid		Medicare		Tricare/CHAMPUS/VA		Workers compensation		Uncompensated care		Self-pay and sliding-fee schedule	
	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018
Primary care	40%	40%	25%	25%	25%	25%	5%	5%	3%	5%	5%	5%	5%	5%
Cardiology	30%	30%	15%	15%	50%	50%	5%	5%	2%	3%	5%	5%	5%	5%
Cardiothoracic and vascular surgery	30%	30%	20%	15%	40%	50%	5%	5%	5%	5%	10%	10%	5%	5%
Critical care medicine	30%	30%	25%	20%	30%	30%	5%	7%	5%	5%	10%	10%	10%	10%
Dermatology	50%	50%	14%	15%	30%	30%	5%	5%	1%	2%	1%	4%	5%	5%
Emergency medicine	25%	25%	30%	30%	25%	25%	5%	5%	5%	5%	10%	15%	10%	10%
Family medicine/general practice	40%	40%	25%	25%	25%	22%	5%	5%	5%	5%	5%	5%	5%	5%
Gastroenterology	40%	40%	20%	20%	30%	30%	5%	5%	3%	5%	5%	5%	5%	5%
General surgery	35%	34%	20%	20%	30%	30%	5%	5%	5%	5%	10%	10%	5%	5%
Geriatrics	15%	10%	20%	20%	70%	70%	5%	5%	2%	5%	5%	5%	5%	5%
Hospital medicine	25%	25%	25%	25%	40%	40%	5%	5%	3%	5%	10%	10%	5%	10%
Internal medicine- general practice	40%	40%	20%	20%	35%	35%	5%	5%	2%	4%	5%	5%	5%	5%
Neurology	40%	35%	20%	20%	30%	30%	5%	5%	5%	5%	5%	5%	5%	5%
Neurosurgery	30%	34%	20%	20%	30%	30%	5%	5%	5%	8%	5%	8%	5%	5%
Obstetrics and gynecology	50%	50%	30%	33%	10%	10%	5%	5%	2%	5%	5%	5%	5%	5%
Occupational medicine	15%	20%	10%	10%	10%	10%	10%	50%	85%	81%	10%	25%	10%	10%
Oncology	40%	40%	20%	20%	39%	40%	5%	5%	2%	5%	5%	5%	5%	5%
Orthopaedic surgery	40%	40%	15%	15%	30%	30%	5%	5%	10%	10%	5%	5%	5%	5%
Otolaryngology	45%	45%	20%	20%	30%	25%	5%	5%	2%	3%	3%	5%	5%	5%
Pain medicine	30%	30%	20%	20%	30%	30%	5%	5%	5%	8%	2%	5%	5%	5%
Pediatrics- general	35%	31%	55%	59%	25%	30%	5%	5%	1%	5%	5%	5%	5%	5%
Physical medicine/rehabilitation	30%	30%	15%	17%	40%	35%	5%	5%	6%	10%	5%	5%	5%	5%
Plastic surgery	35%	40%	20%	20%	20%	20%	5%	5%	5%	5%	5%	5%	25%	25%
Psychiatry	35%	25%	30%	35%	20%	25%	5%	6%	2%	3%	5%	10%	5%	5%
Urology	35%	35%	15%	15%	40%	40%	5%	5%	2%	2%	4%	5%	5%	5%

Note: PAs were asked to estimate their current payer mix in their principal clinical position.

Median Percent of Medicaid Patients Seen by Specialty



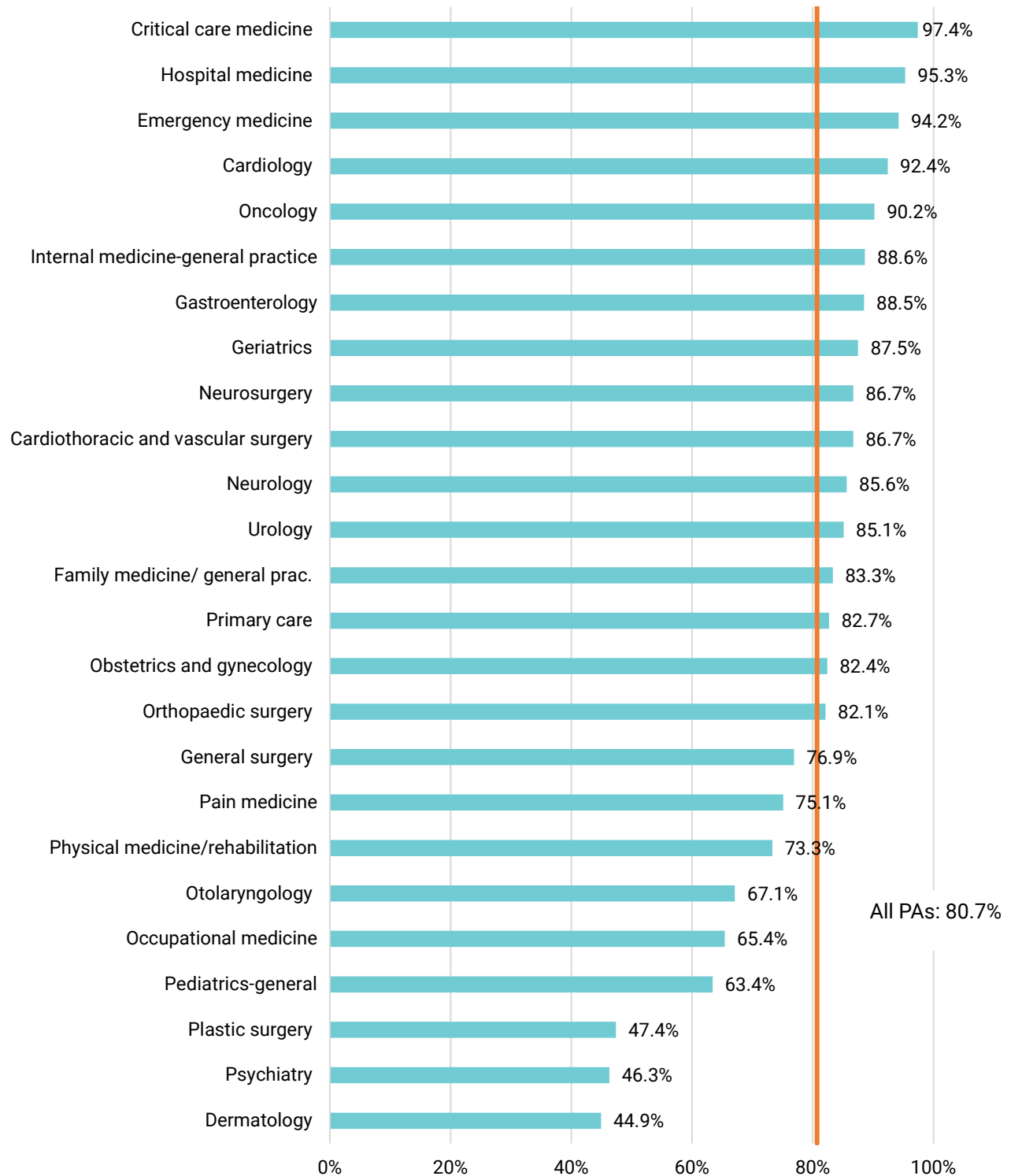
Note: The percentages reflect the distribution within the specialty.

Services Provided in Principal Clinical Position for Most Patients by Specialty

Specialty	Diagnosis, treatment, and management of acute illnesses		Diagnosis, treatment, and management of chronic illnesses		Conduct physical examinations and obtain medical histories		Order, perform, and interpret lab tests, X-rays, EKGs, and other diagnostic studies		Provide preventive care, including screening and immunizations		Perform procedures		Counsel and educate patients and families		Provide care coordination		Make referrals	
	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018
Primary care	87.3%	86.9%	73.5%	71.1%	92.6%	91.1%	82.7%	82.6%	78.4%	77.4%	26.8%	27.4%	85.9%	84.3%	57.3%	55.1%	57.3%	54.9%
Cardiology	71.0%	67.9%	82.4%	81.1%	93.3%	92.5%	92.4%	91.8%	36.0%	35.4%	13.7%	13.6%	87.0%	84.4%	56.0%	53.7%	35.7%	33.5%
Cardiothoracic and vascular surgery	68.5%	68.1%	57.9%	57.2%	80.8%	77.7%	86.7%	85.3%	18.9%	16.9%	65.5%	67.4%	73.1%	70.8%	58.4%	57.0%	35.6%	35.2%
Critical care medicine	95.8%	95.8%	65.7%	64.9%	93.1%	91.4%	97.4%	98.2%	20.1%	19.5%	55.2%	54.5%	75.1%	72.5%	66.3%	64.3%	41.1%	40.9%
Dermatology	77.2%	74.5%	69.5%	64.9%	89.6%	87.4%	44.9%	44.3%	57.1%	56.5%	67.3%	66.3%	89.8%	88.7%	40.6%	37.9%	25.8%	23.8%
Emergency medicine	96.8%	96.5%	36.5%	34.3%	97.3%	96.8%	94.2%	94.2%	22.1%	20.0%	39.3%	38.3%	83.0%	81.3%	42.3%	39.9%	49.5%	48.6%
Family medicine/ general prac.	87.4%	87.1%	73.8%	71.3%	92.3%	90.8%	83.3%	82.8%	78.0%	76.9%	28.5%	28.9%	85.4%	83.5%	56.6%	54.4%	57.1%	54.2%
Gastro-enterology	70.9%	67.2%	78.4%	77.1%	96.1%	96.1%	88.5%	87.6%	53.9%	53.4%	9.9%	8.1%	88.0%	85.6%	53.7%	49.5%	35.5%	30.2%
General surgery	66.6%	62.5%	33.6%	31.5%	79.9%	77.4%	76.9%	75.1%	18.3%	16.0%	52.6%	52.3%	69.3%	64.4%	53.2%	49.9%	31.7%	28.8%
Geriatrics	82.9%	83.0%	88.4%	90.3%	94.5%	93.6%	87.5%	91.2%	69.0%	66.9%	19.4%	19.1%	86.2%	83.0%	74.2%	73.5%	63.5%	61.4%
Hospital medicine	92.7%	91.7%	75.6%	77.1%	94.3%	94.2%	95.3%	95.2%	25.2%	25.8%	11.0%	10.4%	81.6%	78.6%	71.1%	70.4%	51.5%	50.8%
Internal medicine-general practice	83.5%	82.7%	82.7%	81.5%	92.1%	90.8%	88.6%	89.4%	77.2%	76.0%	23.0%	24.3%	84.6%	83.5%	62.1%	60.0%	63.2%	62.5%
Neurology	57.4%	54.7%	79.9%	79.1%	95.6%	93.0%	85.6%	86.5%	25.3%	23.4%	17.9%	16.2%	89.4%	88.1%	60.6%	59.0%	47.1%	44.6%
Neurosurgery	66.9%	62.8%	48.0%	46.6%	90.3%	89.4%	86.7%	84.5%	14.6%	14.2%	39.1%	40.3%	79.0%	77.0%	58.8%	55.5%	44.9%	41.1%
Obstetrics and gynecology	77.2%	73.4%	44.2%	39.5%	94.7%	93.9%	82.4%	81.2%	73.2%	72.8%	38.1%	37.6%	89.5%	87.5%	49.7%	46.3%	37.3%	34.2%
Occupational medicine	70.8%	67.0%	25.1%	23.0%	90.8%	88.1%	65.4%	62.4%	36.3%	34.8%	19.8%	18.5%	66.4%	61.2%	38.8%	36.1%	34.6%	29.9%
Oncology	69.0%	66.7%	72.6%	71.4%	93.3%	92.6%	90.2%	89.4%	32.6%	31.9%	14.6%	15.5%	89.3%	87.0%	75.9%	73.1%	52.8%	50.2%
Orthopaedic surgery	65.5%	63.1%	47.0%	45.5%	85.7%	83.3%	82.1%	80.3%	14.6%	13.9%	45.0%	43.6%	75.9%	73.2%	45.9%	43.5%	28.8%	25.8%
Otolaryngology	73.7%	70.2%	66.8%	63.2%	93.2%	91.2%	67.1%	67.1%	24.5%	22.1%	39.5%	37.2%	84.5%	81.2%	45.8%	44.7%	32.5%	27.1%
Pain medicine	41.5%	36.6%	82.8%	84.8%	89.3%	89.5%	75.1%	73.9%	20.6%	20.0%	27.1%	24.7%	81.4%	80.9%	48.7%	49.1%	46.0%	43.4%
Pediatrics-general	95.2%	95.3%	48.0%	44.6%	96.4%	95.0%	63.4%	64.2%	85.6%	86.0%	19.8%	20.1%	93.5%	93.3%	52.9%	49.9%	45.5%	43.7%
Physical medicine/ rehabilitation	55.5%	51.6%	70.9%	71.1%	92.5%	92.8%	73.3%	73.1%	17.0%	18.9%	27.1%	26.0%	80.8%	76.2%	57.1%	55.0%	41.8%	38.7%
Plastic surgery	43.8%	40.4%	23.2%	20.8%	74.8%	72.2%	47.4%	46.8%	12.2%	11.7%	66.5%	67.1%	73.9%	71.9%	48.9%	47.0%	25.0%	23.5%
Psychiatry	65.3%	60.7%	85.0%	83.2%	66.6%	59.8%	46.3%	49.4%	22.4%	23.9%	7.3%	6.9%	89.1%	85.0%	59.4%	56.9%	37.2%	37.2%
Urology	70.4%	66.6%	73.9%	70.2%	90.2%	89.2%	85.1%	85.2%	46.0%	45.0%	24.1%	24.1%	81.0%	78.8%	46.9%	45.3%	27.4%	26.0%

Note: PAs were asked what proportion of their patients do they provide the listed services for in their practice. These percentages are for "most" patients.

Order, Perform, and Interpret Lab Tests, X-Rays, EKGs, and other Diagnostic Studies by Specialty



Note: The percentages reflect the distribution within the specialty.

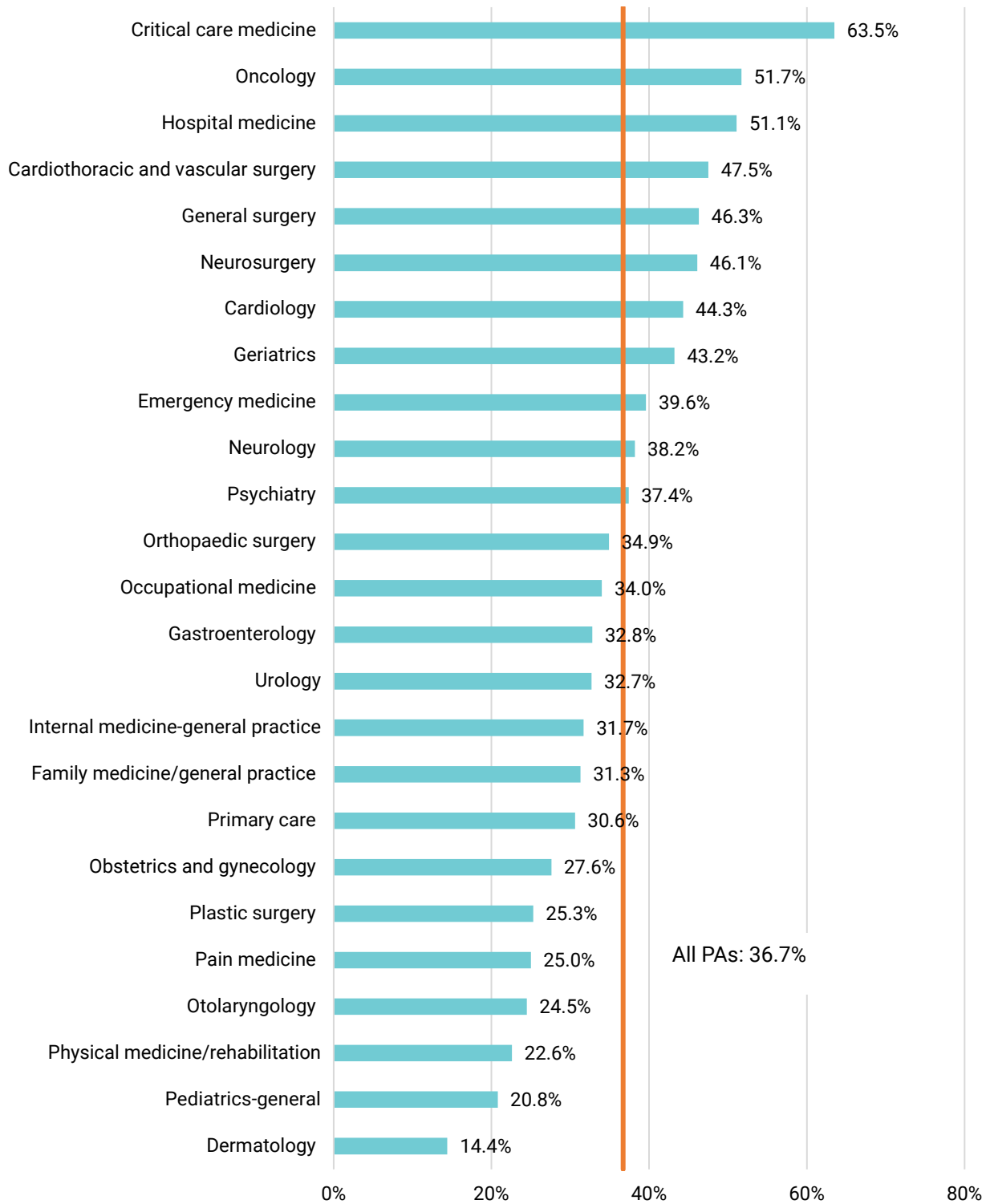
Supply and Demand by Specialty

Specialty	Primary place of employment is recruiting/ hiring PAs	Number of Months Positions Have Remained Unfilled*					
		1 month	2 months	3 months	4 months	5 months	6 or more months
Primary care	30.6%	33.8%	14.1%	18.5%	4.3%	1.5%	27.9%
Cardiology	44.3%	37.8%	17.6%	21.5%	4.3%	1.7%	17.0%
Cardiothoracic and vascular surgery	47.5%	26.7%	13.6%	18.9%	4.4%	2.5%	34.0%
Critical care medicine	63.5%	31.9%	16.4%	16.4%	4.3%	1.7%	29.4%
Dermatology	14.4%	52.6%	14.0%	13.7%	2.0%	0.9%	16.9%
Emergency medicine	39.6%	40.5%	16.2%	17.0%	4.5%	1.8%	20.0%
Family medicine/general practice	31.3%	33.4%	13.9%	18.3%	4.3%	1.5%	28.5%
Gastroenterology	32.8%	40.8%	17.9%	16.8%	3.4%	2.5%	18.7%
General surgery	46.3%	33.9%	17.3%	18.5%	5.7%	2.6%	22.0%
Geriatrics	43.2%	38.2%	11.9%	20.4%	5.3%	0.8%	23.3%
Hospital medicine	51.1%	39.4%	17.8%	17.7%	4.8%	1.8%	18.4%
Internal medicine-general practice	31.7%	33.8%	14.5%	20.0%	4.4%	1.5%	25.9%
Neurology	38.2%	31.8%	19.4%	21.4%	3.6%	1.6%	22.3%
Neurosurgery	46.1%	34.6%	17.8%	18.9%	6.0%	2.2%	20.5%
Obstetrics and gynecology	27.6%	40.4%	17.9%	15.3%	5.8%	1.1%	19.5%
Occupational medicine	34.0%	31.4%	17.2%	18.1%	4.9%	3.0%	25.4%
Oncology	51.7%	42.3%	18.2%	18.8%	4.5%	2.1%	14.1%
Orthopaedic surgery	34.9%	41.3%	19.0%	17.7%	4.2%	1.6%	16.1%
Otolaryngology	24.5%	37.5%	19.9%	15.5%	4.8%	0.7%	21.6%
Pain medicine	25.0%	39.5%	19.0%	16.0%	4.8%	1.9%	18.8%
Pediatrics- general	20.8%	38.8%	15.6%	15.6%	3.6%	0.5%	26.1%
Physical medicine/rehabilitation	22.6%	51.0%	21.4%	13.1%	1.4%	0.0%	13.1%
Plastic surgery	25.3%	38.0%	24.7%	17.3%	3.7%	2.0%	14.2%
Psychiatry	37.4%	38.5%	14.5%	16.6%	3.7%	1.7%	25.0%
Urology	32.7%	35.4%	17.7%	16.4%	5.0%	2.4%	23.2%

Note: PAs were asked if their primary place of employment is currently recruiting/hiring PAs. If yes, they were asked how long the PA positions have remained unfilled.

*Percent derived from the number of PAs who said their principal employer is currently recruiting/hiring PAs.

Principal Place of Employment Hiring/Recruiting PAs by Specialty



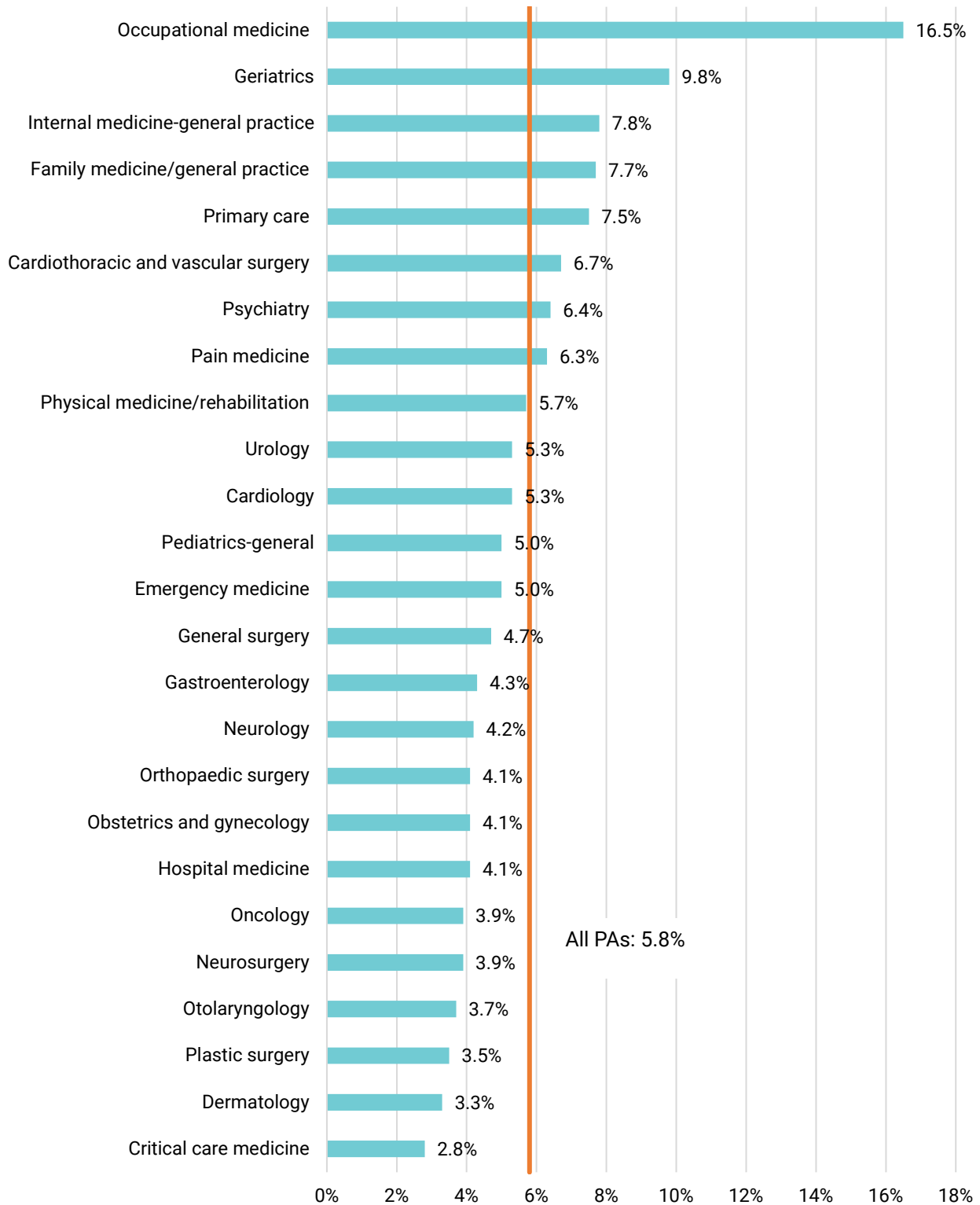
Note: The percentages reflect the distribution within the specialty.

Changing Positions and Retiring by Specialty

Specialty	Plan to leave principal position in the next 12 months			Plan to retire from PA workforce in next five years		
	2022	2018	% change 2018-2022	2022	2018	% change 2018-2022
Primary care	9.2%	6.1%	3.1%	7.5%	9.2%	-1.7%
Cardiology	7.9%	4.2%	3.7%	5.3%	8.4%	-3.1%
Cardiothoracic and vascular surgery	9.0%	4.3%	4.7%	6.7%	8.1%	-1.4%
Critical care medicine	9.7%	5.7%	4.0%	2.8%	4.1%	-1.3%
Dermatology	5.5%	3.3%	2.2%	3.3%	5.8%	-2.5%
Emergency medicine	9.6%	5.8%	3.8%	5.0%	6.1%	-1.1%
Family medicine/general practice	9.3%	6.3%	3.0%	7.7%	9.3%	-1.6%
Gastroenterology	7.8%	5.4%	2.4%	4.3%	5.0%	-0.7%
General surgery	7.8%	5.7%	2.1%	4.7%	6.6%	-1.9%
Geriatrics	11.0%	7.8%	3.2%	9.8%	11.9%	-2.1%
Hospital medicine	10.6%	6.7%	3.9%	4.1%	5.5%	-1.4%
Internal medicine- general practice	9.4%	6.2%	3.2%	7.8%	9.2%	-1.4%
Neurology	9.5%	5.8%	3.7%	4.2%	8.4%	-4.2%
Neurosurgery	9.1%	5.7%	3.4%	3.9%	7.2%	-3.3%
Obstetrics and gynecology	7.8%	4.2%	3.6%	4.1%	7.9%	-3.8%
Occupational medicine	12.6%	8.3%	4.3%	16.5%	13.3%	3.2%
Oncology	7.8%	5.3%	2.5%	3.9%	6.1%	-2.2%
Orthopaedic surgery	6.3%	4.9%	1.4%	4.1%	6.1%	-2.0%
Otolaryngology	7.0%	5.0%	2.0%	3.7%	6.0%	-2.3%
Pain medicine	10.4%	6.7%	3.7%	6.3%	7.0%	-0.7%
Pediatrics- general	7.4%	4.2%	3.2%	5.0%	7.5%	-2.5%
Physical medicine/rehabilitation	8.8%	5.2%	3.6%	5.7%	7.3%	-1.6%
Plastic surgery	7.0%	4.6%	2.4%	3.5%	4.9%	-1.4%
Psychiatry	9.4%	5.9%	3.5%	6.4%	7.0%	-0.6%
Urology	7.4%	4.3%	3.1%	5.3%	7.0%	-1.7%

Note: PAs were asked if they plan to leave their principal position in the next 12 months and asked if they had plans to retire in the next five years.

Plan to Retire in Next Five Years by Specialty



Note: The percentages reflect the distribution within the specialty.

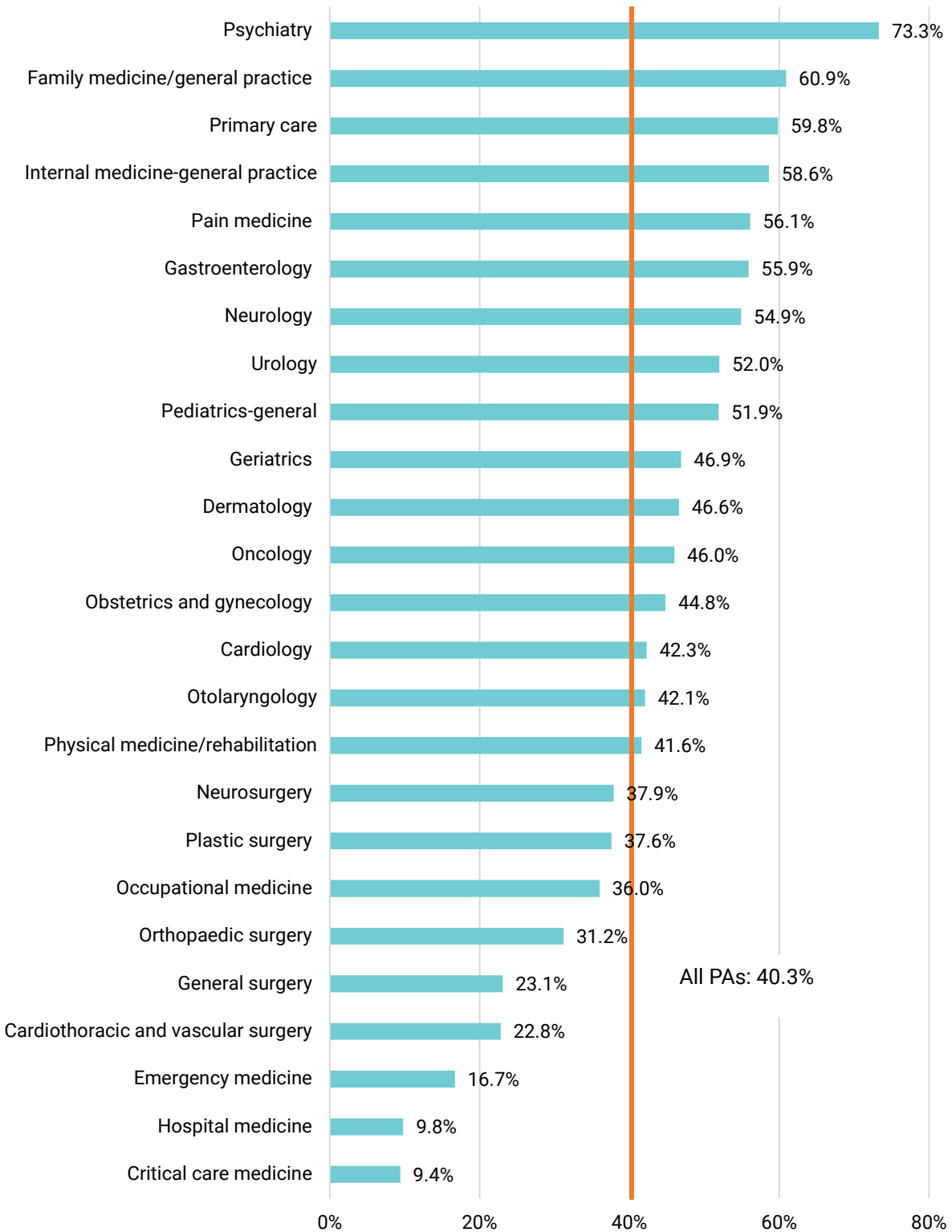
Participate in Telemedicine and Hours by Specialty

Specialty	Participates in telemedicine		Hours per week participating in telemedicine										Does not participate in telemedicine but practice or institution does*
			Less than 10		10 to 19		20 to 29		30 to 39		40 or more		
	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	2022	2018	
Primary care	59.8%	10.0%	75.7%	88.5%	16.3%	6.7%	5.2%	2.2%	1.7%	1.2%	1.1%	1.4%	70.2%
Cardiology	42.3%	7.0%	84.8%	82.2%	10.1%	6.6%	3.1%	2.8%	1.6%	4.2%	0.4%	4.2%	77.8%
Cardiothoracic and vascular surgery	22.8%	6.3%	89.5%	82.4%	7.9%	11.7%	2.1%	2.3%	0.2%	0.5%	0.3%	3.2%	65.4%
Critical care medicine	9.4%	10.8%	74.9%	74.5%	13.0%	13.9%	5.6%	4.2%	3.7%	3.0%	2.8%	4.2%	53.1%
Dermatology	46.6%	5.9%	94.2%	91.4%	3.5%	3.3%	0.6%	1.2%	0.7%	0.8%	1.0%	3.3%	59.5%
Emergency medicine	16.7%	13.1%	83.2%	92.3%	10.6%	4.3%	3.3%	1.6%	1.6%	1.2%	1.3%	0.7%	42.2%
Family medicine/general practice	60.9%	10.7%	75.2%	89.4%	16.7%	6.3%	5.2%	2.2%	1.8%	1.0%	1.0%	1.1%	70.9%
Gastroenterology	55.9%	5.6%	73.0%	88.8%	15.1%	7.1%	8.0%	4.1%	3.1%	0.0%	0.9%	0.0%	76.1%
General surgery	23.1%	5.4%	82.9%	85.3%	11.1%	8.5%	4.4%	0.6%	0.7%	2.8%	0.8%	2.8%	61.0%
Geriatrics	46.9%	8.8%	76.2%	84.7%	15.7%	9.7%	4.0%	1.4%	1.7%	2.8%	2.4%	1.4%	70.1%
Hospital medicine	9.8%	7.9%	83.5%	84.2%	10.4%	6.7%	3.5%	3.2%	1.4%	1.8%	1.2%	4.2%	54.0%
Internal medicine- general practice	58.6%	9.0%	73.7%	83.9%	17.1%	8.4%	6.1%	2.6%	1.6%	2.1%	1.5%	3.0%	69.6%
Neurology	54.9%	9.1%	68.7%	90.7%	19.3%	5.3%	7.5%	1.3%	3.0%	2.7%	1.5%	0.0%	76.7%
Neurosurgery	37.9%	7.3%	88.0%	83.0%	8.6%	9.7%	2.5%	3.6%	0.6%	1.8%	0.3%	1.8%	69.9%
Obstetrics and gynecology	44.8%	4.7%	88.3%	83.6%	10.2%	8.2%	0.8%	1.6%	0.6%	6.6%	0.2%	0.0%	62.2%
Occupational medicine	36.0%	7.2%	85.9%	88.1%	7.1%	4.6%	4.6%	3.7%	0.7%	1.8%	1.6%	1.8%	55.0%
Oncology	46.0%	5.1%	85.7%	87.2%	8.8%	8.1%	4.7%	2.3%	0.5%	0.0%	0.3%	2.3%	79.6%
Orthopaedic surgery	31.2%	6.2%	93.4%	88.5%	4.9%	6.3%	1.3%	3.4%	0.3%	0.8%	0.2%	1.0%	65.6%
Otolaryngology	42.1%	5.1%	92.2%	88.7%	7.0%	5.7%	0.4%	1.9%	0.2%	0.0%	0.2%	3.8%	67.6%
Pain medicine	56.1%	4.0%	71.1%	84.4%	15.2%	4.7%	7.7%	7.8%	4.3%	1.6%	1.7%	1.6%	58.9%
Pediatrics- general	51.9%	4.7%	86.0%	89.2%	9.1%	5.9%	3.0%	2.0%	1.0%	2.0%	0.8%	1.0%	66.4%
Physical medicine/rehabilitation	41.6%	4.5%	79.0%	91.7%	14.3%	2.8%	4.4%	0.0%	1.5%	2.8%	0.7%	2.8%	54.5%
Plastic surgery	37.6%	8.6%	91.5%	92.1%	7.0%	5.3%	1.3%	2.6%	0.2%	0.0%	0.0%	0.0%	61.4%
Psychiatry	73.3%	23.3%	28.8%	71.2%	18.2%	13.4%	21.1%	7.4%	18.0%	4.2%	13.9%	3.9%	73.5%
Urology	52.0%	7.0%	82.9%	92.0%	11.8%	4.0%	3.4%	2.7%	0.6%	0.0%	1.3%	1.3%	72.7%

Note: PAs were asked if they participate in telemedicine as a substitute for in-person encounters. If yes, they were asked how many hours per week they engage in telemedicine. PAs who indicated they did not participate in telemedicine were asked if their practice or institution participates.

*Question added in 2020. Of the PAs who did not participate in telemedicine, the percent whose practice or institution does.

Participates in Telemedicine by Specialty



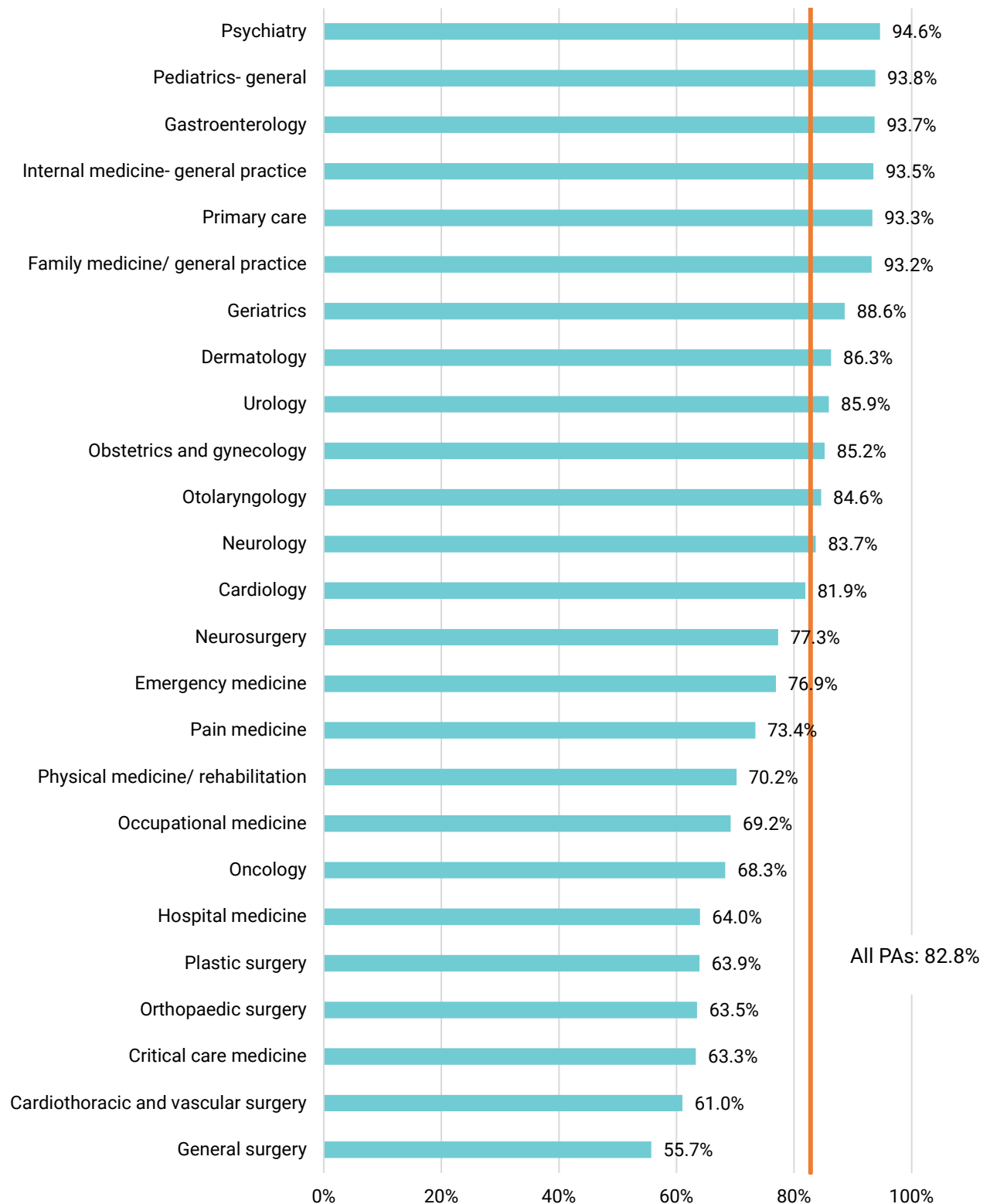
Note: The percentages reflect the distribution within the specialty.

Functions and Modalities of Telemedicine by Specialty

Specialty	Functions of Telemedicine				Modalities of Telemedicine		
	Follow-up with patients	Diagnosing or treating patients	Managing patients with chronic disease	Collaborating with another provider	Video-conferencing	Remote patient monitoring	Storing and forwarding data
Primary care	91.4%	93.3%	81.2%	29.2%	92.1%	19.8%	8.9%
Cardiology	96.6%	81.9%	90.7%	33.6%	90.4%	43.5%	10.4%
Cardiothoracic and vascular surgery	94.5%	61.0%	50.9%	32.6%	87.3%	19.9%	9.0%
Critical care medicine	50.2%	63.3%	35.3%	61.4%	77.2%	46.5%	11.6%
Dermatology	94.0%	86.3%	75.1%	20.5%	94.8%	11.0%	11.1%
Emergency medicine	43.9%	76.9%	22.7%	38.9%	88.4%	14.4%	10.1%
Family medicine/general practice	91.4%	93.2%	81.6%	29.7%	91.3%	19.9%	9.3%
Gastroenterology	96.9%	93.7%	92.6%	31.9%	95.1%	13.0%	5.7%
General surgery	94.8%	55.7%	36.1%	26.3%	85.6%	18.0%	8.8%
Geriatrics	86.5%	88.6%	85.3%	45.6%	95.0%	20.2%	7.6%
Hospital medicine	56.5%	64.0%	42.8%	53.2%	81.4%	29.9%	12.2%
Internal medicine-general practice	93.0%	93.5%	87.5%	30.6%	95.1%	22.6%	8.5%
Neurology	95.4%	83.7%	88.0%	34.5%	96.3%	14.5%	6.9%
Neurosurgery	97.4%	77.3%	50.3%	34.8%	90.4%	18.9%	8.5%
Obstetrics and gynecology	95.7%	85.2%	54.8%	23.2%	89.7%	17.3%	5.4%
Occupational medicine	86.7%	69.2%	22.4%	27.7%	85.4%	16.6%	10.4%
Oncology	96.6%	68.3%	79.0%	33.6%	96.0%	17.9%	5.0%
Orthopaedic surgery	96.9%	63.5%	35.8%	23.4%	90.8%	15.6%	6.6%
Otolaryngology	97.1%	84.6%	69.1%	24.9%	92.8%	13.2%	6.2%
Pain medicine	98.3%	73.4%	83.1%	32.7%	91.4%	19.9%	6.3%
Pediatrics- general	88.0%	93.8%	59.8%	20.8%	94.4%	10.9%	5.6%
Physical medicine/rehabilitation	94.5%	70.2%	67.3%	32.4%	91.2%	13.6%	5.9%
Plastic surgery	95.3%	63.9%	22.9%	28.3%	93.5%	18.2%	8.3%
Psychiatry	97.4%	94.6%	85.8%	54.4%	97.6%	20.4%	10.3%
Urology	96.9%	85.9%	83.4%	31.5%	95.2%	12.7%	7.9%

Note: PAs were asked if they participate in telemedicine as a substitute for in-person encounters. If yes, PAs were asked to indicate which function(s) they engage in and which modalities of telemedicine they use.

Diagnoses or Treats Patients through Telemedicine by Specialty



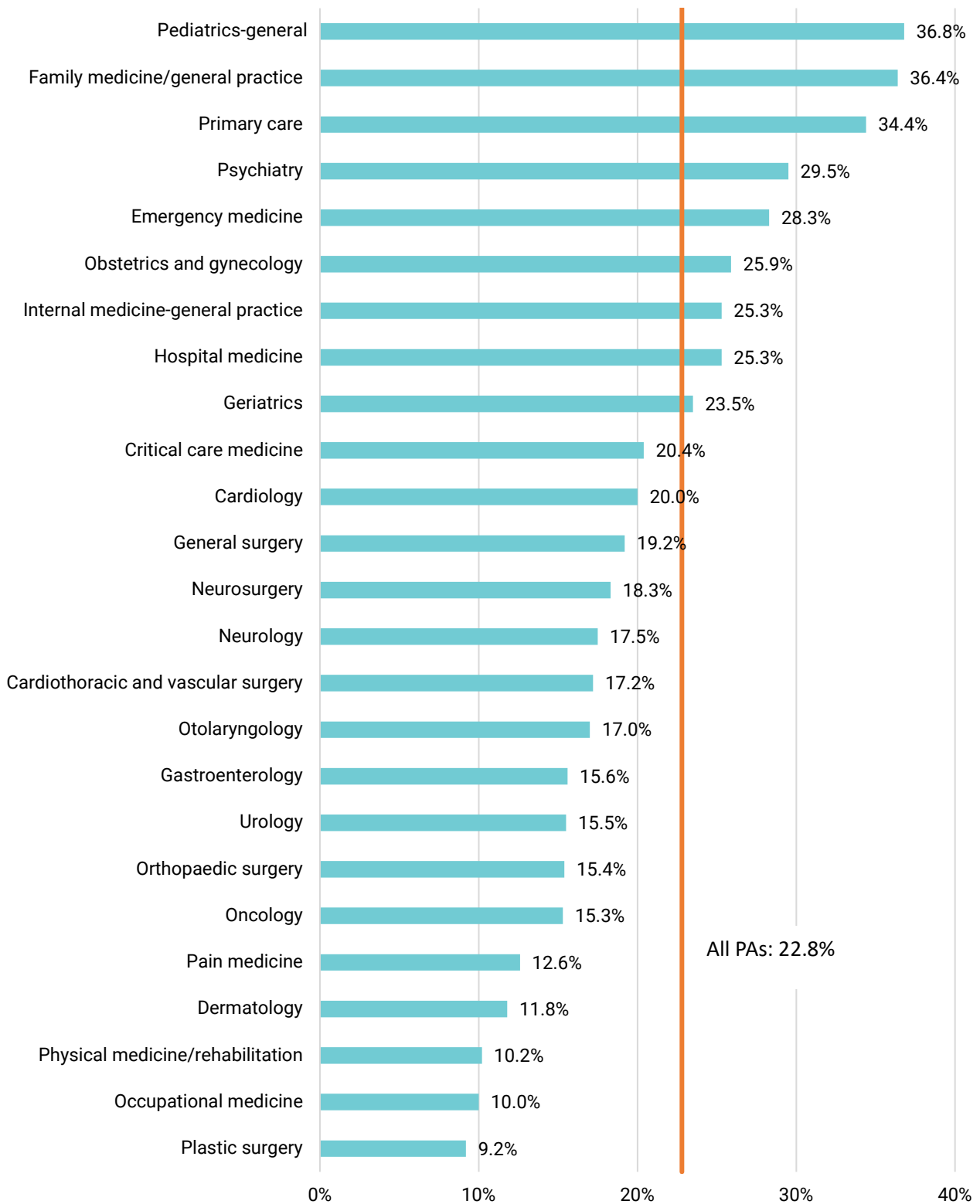
Note: The percentages reflect the distribution within the specialty.

Providing Care to Patients in Designated HPSAs or MUAs by Specialty

Specialty	Yes	No	Not Sure
Primary care	34.4%	45.6%	20.0%
Cardiology	20.0%	52.2%	27.8%
Cardiothoracic and vascular surgery	17.2%	52.5%	30.3%
Critical care medicine	20.4%	43.1%	36.5%
Dermatology	11.8%	65.6%	22.6%
Emergency medicine	28.3%	40.0%	31.7%
Family medicine/general practice	36.4%	44.7%	19.0%
Gastroenterology	15.6%	56.6%	27.8%
General surgery	19.2%	51.6%	29.1%
Geriatrics	23.5%	50.6%	25.9%
Hospital medicine	25.3%	42.7%	32.1%
Internal medicine- general practice	25.3%	52.4%	22.4%
Neurology	17.5%	53.1%	29.4%
Neurosurgery	18.3%	50.5%	31.2%
Obstetrics and gynecology	25.9%	48.4%	25.7%
Occupational medicine	10.0%	72.3%	17.7%
Oncology	15.3%	55.3%	29.3%
Orthopaedic surgery	15.4%	58.5%	26.1%
Otolaryngology	17.0%	55.1%	27.8%
Pain medicine	12.6%	60.7%	26.7%
Pediatrics- general	36.8%	38.3%	25.0%
Physical medicine/rehabilitation	10.2%	67.3%	22.5%
Plastic surgery	9.2%	70.1%	20.7%
Psychiatry	29.5%	41.3%	29.2%
Urology	15.5%	56.8%	27.7%

Note: PAs were asked if they provide care to patients who live in a designated Health Professional Shortage Area (HPSA) and/or a Medically Underserved Area (MUA)

Provides Care to Patients in Designated HPSA or MUA by Specialty



Note: The percentages reflect the distribution within the specialty.

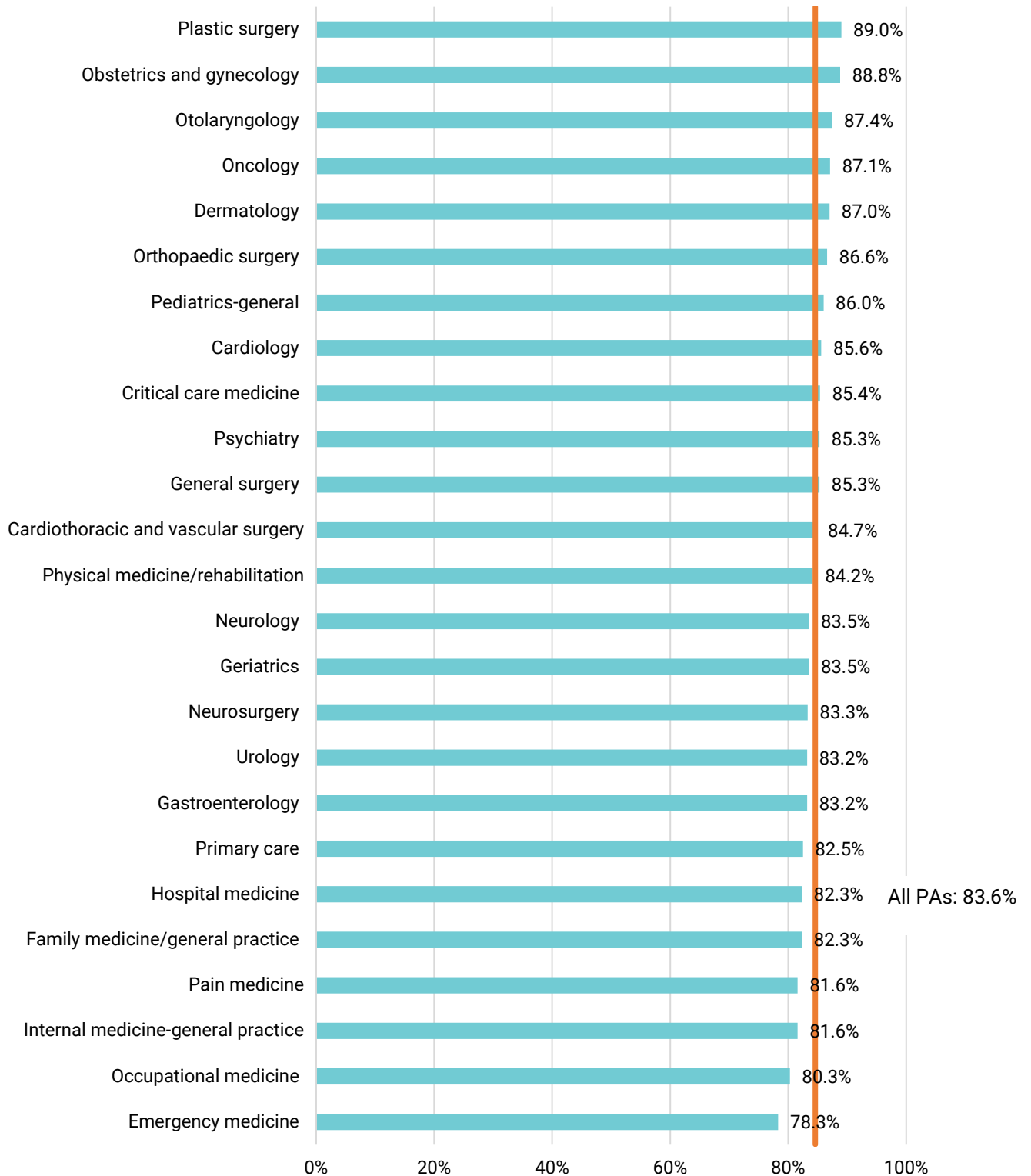
Satisfaction by Specialty

Specialty	Areas of Satisfaction*							
	Present Job	Career as a PA	Number of Hours Worked	Work-life Balance	Income	Benefits	Geographical Location of Principal Position	Employer
Primary care	82.5%	87.2%	75.4%	67.5%	75.4%	72.3%	82.7%	74.4%
Cardiology	85.6%	89.6%	77.7%	71.5%	74.0%	75.6%	83.7%	74.1%
Cardiothoracic and vascular surgery	84.7%	87.1%	72.2%	69.4%	77.9%	76.7%	81.3%	68.8%
Critical care medicine	85.4%	88.3%	83.0%	75.5%	75.3%	77.0%	82.4%	74.8%
Dermatology	87.0%	90.0%	85.4%	79.7%	82.0%	71.1%	84.0%	79.6%
Emergency medicine	78.3%	82.1%	75.3%	66.1%	71.9%	68.9%	78.4%	67.4%
Family medicine/general practice	82.3%	87.1%	75.1%	67.5%	75.6%	73.2%	82.5%	74.3%
Gastroenterology	83.2%	84.5%	74.7%	70.1%	75.4%	75.4%	83.4%	73.4%
General surgery	85.3%	88.7%	79.0%	74.9%	75.8%	76.9%	82.3%	74.1%
Geriatrics	83.5%	82.6%	72.1%	65.5%	75.2%	66.1%	83.2%	75.4%
Hospital medicine	82.3%	85.7%	79.5%	72.1%	75.7%	75.1%	82.3%	73.8%
Internal medicine-general practice	81.6%	86.5%	74.0%	66.5%	73.8%	70.2%	83.5%	73.9%
Neurology	83.5%	86.4%	79.2%	73.6%	72.9%	76.6%	83.0%	77.0%
Neurosurgery	83.3%	86.4%	68.8%	65.1%	73.2%	77.8%	83.0%	70.2%
Obstetrics and gynecology	88.8%	91.5%	82.7%	76.1%	74.5%	71.3%	84.1%	75.4%
Occupational medicine	80.3%	84.2%	80.6%	75.9%	77.5%	69.8%	79.5%	73.8%
Oncology	87.1%	89.1%	78.0%	72.0%	78.1%	81.0%	85.9%	78.6%
Orthopaedic surgery	86.6%	88.7%	75.3%	71.0%	76.7%	77.6%	84.0%	76.4%
Otolaryngology	87.4%	90.0%	83.0%	74.8%	76.3%	75.8%	82.2%	78.0%
Pain medicine	81.6%	85.7%	82.0%	78.4%	77.7%	66.8%	79.2%	75.8%
Pediatrics- general	86.0%	90.1%	81.5%	71.0%	76.0%	69.3%	83.2%	77.2%
Physical medicine/rehabilitation	84.2%	87.9%	78.2%	73.9%	75.9%	67.0%	86.6%	79.5%
Plastic surgery	89.0%	88.1%	78.0%	72.8%	71.6%	71.9%	81.0%	75.7%
Psychiatry	85.3%	86.7%	79.3%	73.1%	77.5%	66.6%	81.5%	77.4%
Urology	83.2%	84.5%	75.3%	71.9%	72.2%	76.0%	82.6%	74.8%

Note: PAs were asked how satisfied they are with different aspects of their career.

* Satisfied includes responses of Completely Satisfied, Mostly Satisfied, and Somewhat Satisfied.

Satisfied with Present Job by Specialty



Note: The percentages reflect the distribution within the specialty.

Burnout^{1,2} by Specialty

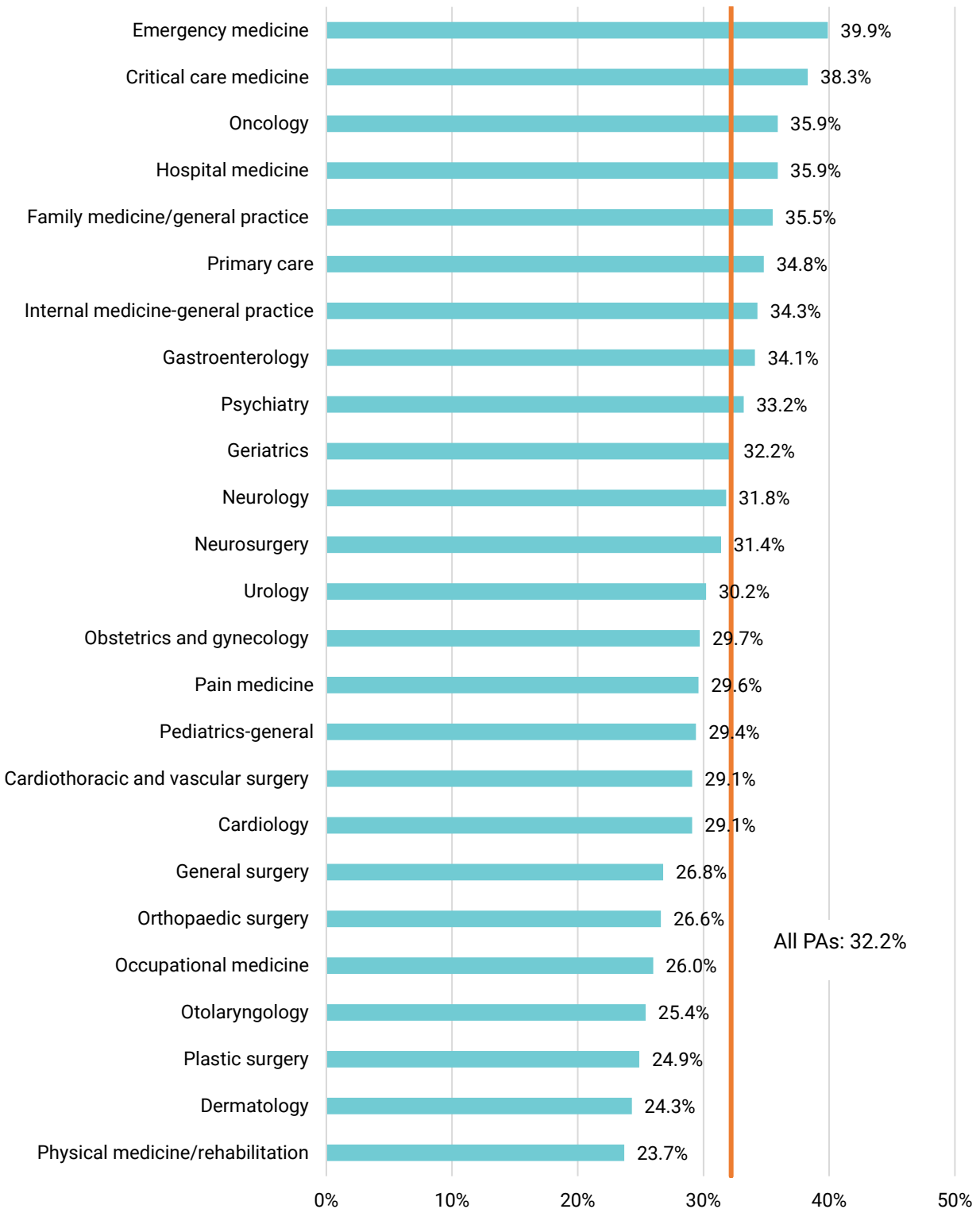
Specialty	No symptoms of burnout	One or more symptoms of burnout
Primary care	65.2%	34.8%
Cardiology	70.9%	29.1%
Cardiothoracic and vascular surgery	70.9%	29.1%
Critical care medicine	61.7%	38.3%
Dermatology	75.7%	24.3%
Emergency medicine	60.1%	39.9%
Family medicine/general practice	64.5%	35.5%
Gastroenterology	65.9%	34.1%
General surgery	73.2%	26.8%
Geriatrics	67.8%	32.2%
Hospital medicine	64.1%	35.9%
Internal medicine- general practice	65.7%	34.3%
Neurology	68.2%	31.8%
Neurosurgery	68.6%	31.4%
Obstetrics and gynecology	70.3%	29.7%
Occupational medicine	74.0%	26.0%
Oncology	64.1%	35.9%
Orthopaedic surgery	73.4%	26.6%
Otolaryngology	74.6%	25.4%
Pain medicine	70.4%	29.6%
Pediatrics- general	70.6%	29.4%
Physical medicine/rehabilitation	76.3%	23.7%
Plastic surgery	75.1%	24.9%
Psychiatry	66.8%	33.2%
Urology	69.8%	30.2%

Note: PAs were asked to rate their level of burnout based on their own definition of burnout. Burnout was measured with a scale from no symptoms of burnout to completely burned out.

¹Rohland BM, Kruse GR, Rohrer JE. Validation of a single-item measure of burnout against the Maslach Burnout Inventory among physicians. *Stress and Health: Journal of the International Society for the Investigation of Stress*. 2004

²Dolan ED, Mohr D, Lempa M, Joos S, Fihn SD, Nelson KM, Helfrich CD. Using a single item to measure burnout in primary care staff: a psychometric evaluation. *Journal of General Internal Medicine*. 2015 May 1; 30(5):582-7.

Reporting One or More Symptom(s) of Burnout by Specialty



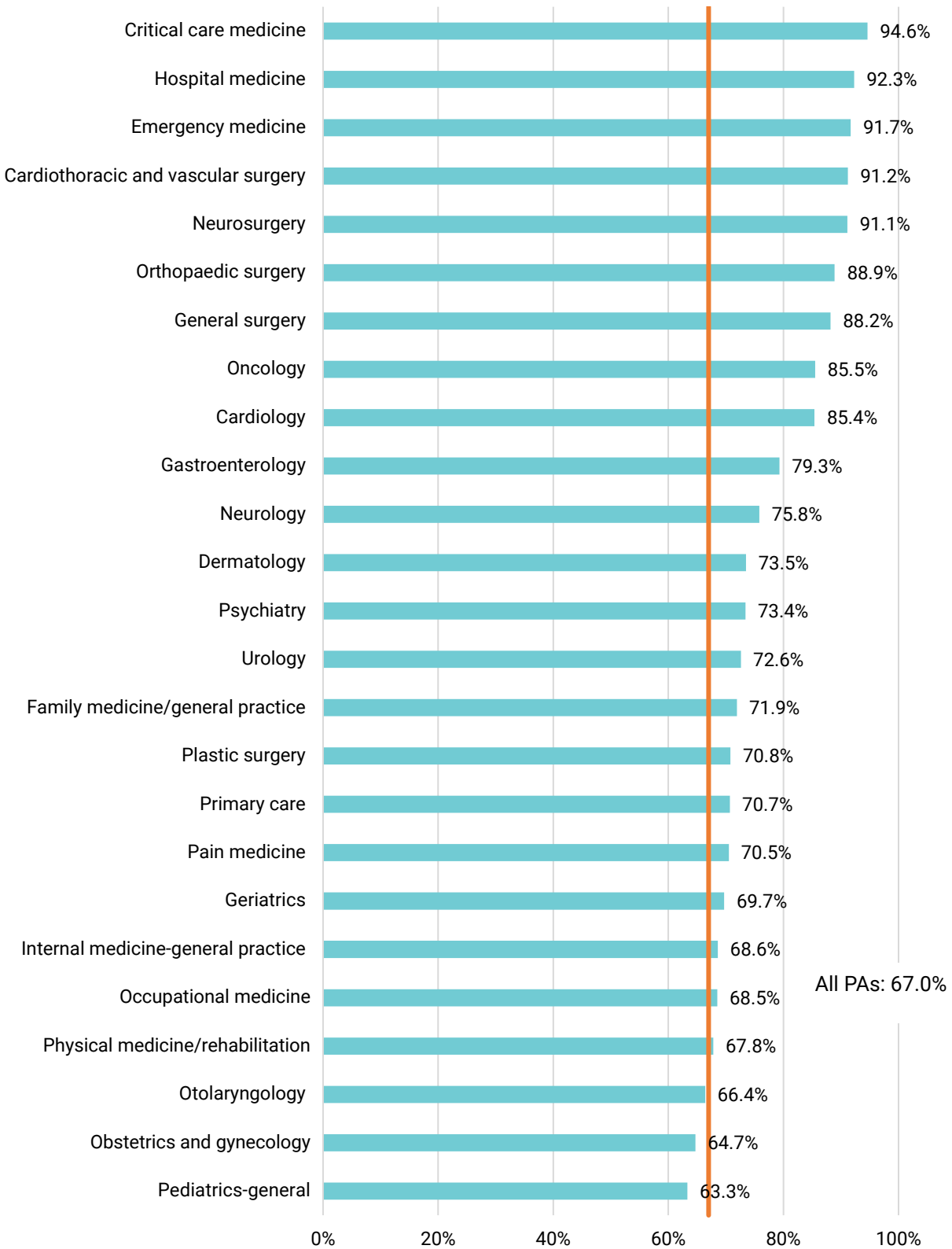
Note: The percentages reflect the distribution within the specialty.

Working with Other Health Professionals by Specialty

Specialty	Solo practitioner with an off-site physician	Physician(s)	Other PAs	Advanced practice nurses	Registered nurses	Other levels of nurses (LPN, CNA)	Mental health providers (social workers, psychologists, etc.)	Dentist or hygienist	Pharmacist	Radiology technician	Physical therapist	Occupational therapist	Speech therapist
Primary care	6.8%	92.1%	70.7%	67.0%	53.1%	32.2%	37.1%	11.2%	28.5%	21.6%	9.8%	5.1%	3.1%
Cardiology	1.1%	98.6%	85.4%	85.4%	81.0%	34.2%	34.7%	2.2%	51.1%	33.7%	19.8%	17.2%	13.9%
Cardiothoracic and vascular surgery	0.8%	98.1%	91.2%	83.1%	84.7%	31.2%	46.9%	7.1%	62.1%	45.9%	33.1%	30.6%	27.0%
Critical care medicine	1.2%	97.7%	94.6%	91.7%	92.1%	37.3%	71.1%	5.7%	86.2%	63.1%	52.9%	51.3%	50.2%
Dermatology	5.1%	95.3%	73.5%	40.2%	32.9%	21.4%	2.4%	0.5%	5.4%	2.9%	0.5%	0.3%	0.3%
Emergency medicine	4.9%	95.7%	91.7%	80.0%	86.2%	30.6%	68.1%	7.6%	68.0%	65.6%	13.9%	8.1%	4.7%
Family medicine/general practice	7.7%	90.8%	71.9%	67.0%	52.7%	32.6%	37.5%	12.3%	29.0%	23.3%	10.1%	4.6%	2.4%
Gastroenterology	0.7%	99.0%	79.3%	73.1%	69.5%	34.6%	21.0%	1.4%	30.4%	16.3%	9.1%	7.5%	12.6%
General surgery	0.5%	97.7%	88.2%	74.5%	84.0%	38.7%	51.2%	4.2%	61.2%	47.2%	34.5%	30.8%	26.5%
Geriatrics	8.4%	91.7%	69.7%	77.4%	70.5%	43.8%	61.3%	12.0%	46.6%	16.3%	34.5%	32.4%	30.0%
Hospital medicine	1.0%	98.2%	92.3%	90.0%	90.1%	46.1%	75.8%	6.9%	83.5%	57.7%	51.8%	49.9%	48.2%
Internal medicine-general practice	4.4%	95.3%	68.6%	66.8%	56.0%	30.0%	38.7%	8.9%	33.7%	19.9%	11.4%	7.8%	6.1%
Neurology	1.1%	98.5%	75.8%	72.1%	68.9%	38.9%	46.1%	2.6%	39.1%	27.3%	27.6%	24.9%	24.4%
Neurosurgery	0.6%	98.4%	91.1%	78.6%	78.5%	35.6%	43.3%	2.8%	51.0%	49.5%	36.7%	33.4%	29.5%
Obstetrics and gynecology	1.5%	97.5%	64.7%	75.9%	65.3%	31.8%	31.6%	3.1%	22.6%	21.8%	5.9%	2.3%	1.1%
Occupational medicine	16.2%	82.8%	68.5%	58.3%	45.1%	27.9%	17.0%	4.4%	12.6%	33.0%	23.9%	10.6%	0.8%
Oncology	0.3%	98.5%	85.5%	88.4%	93.8%	37.8%	69.9%	5.8%	79.3%	28.8%	22.7%	19.8%	17.1%
Orthopaedic surgery	1.0%	98.3%	88.9%	58.7%	67.7%	29.8%	21.3%	1.4%	31.4%	56.2%	34.1%	25.5%	4.3%
Otolaryngology	1.8%	98.4%	66.4%	40.0%	52.1%	31.3%	9.2%	4.7%	13.3%	12.2%	8.7%	4.0%	20.9%
Pain medicine	3.7%	96.3%	70.5%	61.5%	43.5%	25.2%	23.0%	0.9%	13.8%	23.3%	16.1%	5.6%	1.5%
Pediatrics-general	3.5%	96.2%	63.3%	67.5%	50.9%	32.5%	28.6%	6.0%	12.5%	8.8%	3.9%	3.4%	3.6%
Physical medicine/rehabilitation	6.1%	93.6%	67.8%	59.3%	54.7%	32.0%	40.2%	2.1%	31.6%	26.1%	41.0%	29.6%	25.3%
Plastic surgery	1.9%	97.7%	70.8%	55.6%	77.7%	32.4%	24.3%	6.7%	29.6%	20.2%	18.6%	17.8%	9.9%
Psychiatry	6.6%	91.5%	73.4%	72.4%	52.1%	30.8%	82.4%	3.5%	33.6%	5.5%	7.5%	7.8%	4.6%
Urology	0.8%	97.9%	72.6%	61.9%	66.1%	37.7%	15.8%	1.7%	23.5%	21.9%	12.0%	6.7%	4.2%

Note: PAs were asked if they work with other health professionals in their primary clinical position. PAs could select multiple health professionals.

Works with Other PAs in Principal Clinical Position by Specialty



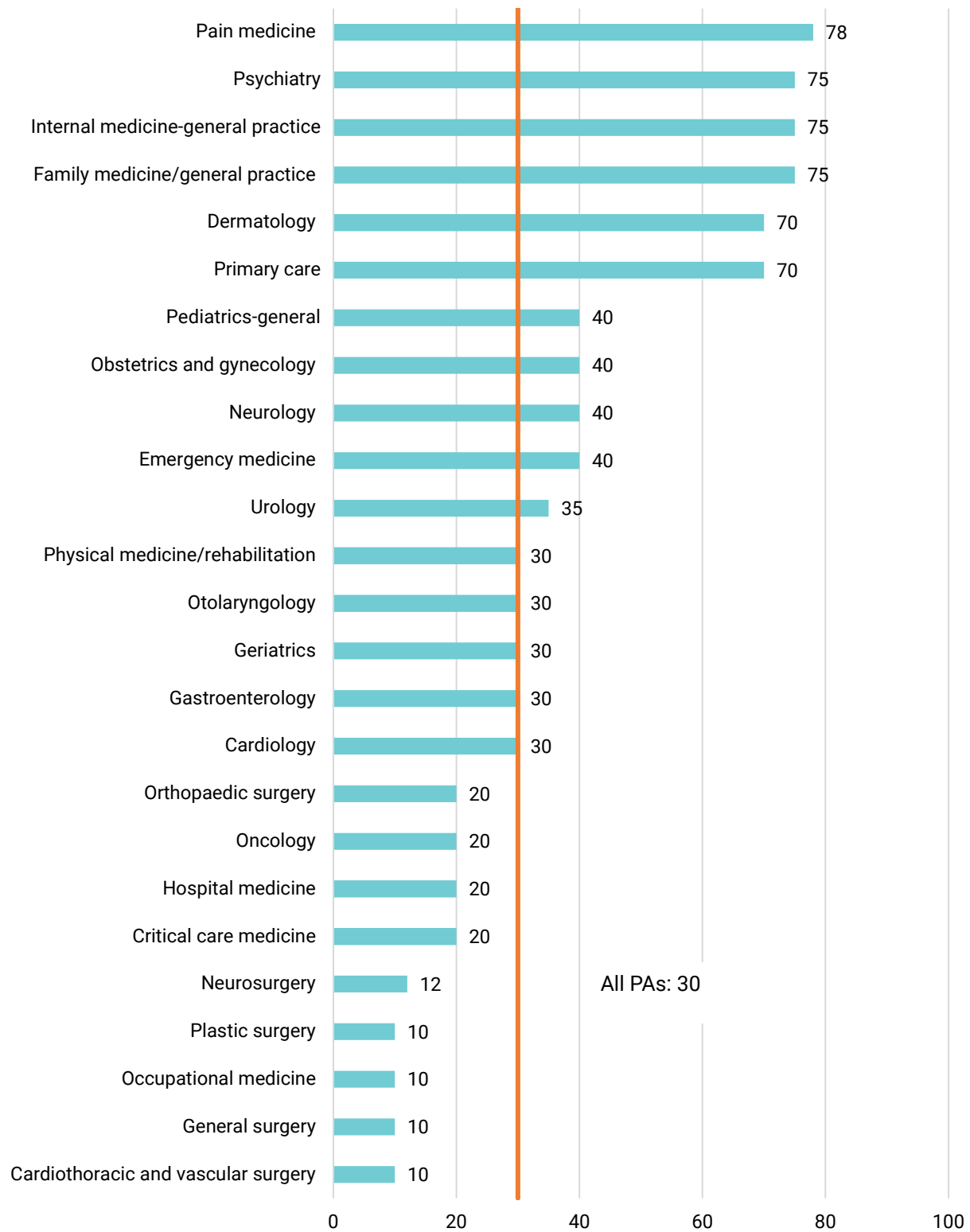
Note: The percentages reflect the distribution within the specialty.

Prescribing by Specialty

Specialty	Prescribe pharmacologic agents for patients	Average number of prescriptions written per week	Median number of prescriptions written per week
Primary care	98.0%	102	70
Cardiology	96.7%	42	30
Cardiothoracic and vascular surgery	92.5%	22	10
Critical care medicine	79.1%	43	20
Dermatology	98.0%	84	70
Emergency medicine	98.7%	58	40
Family medicine/general practice	98.2%	106	75
Gastroenterology	97.1%	42	30
General surgery	92.5%	21	10
Geriatrics	95.1%	47	30
Hospital medicine	92.8%	38	20
Internal medicine- general practice	96.9%	105	75
Neurology	94.9%	55	40
Neurosurgery	97.1%	21	12
Obstetrics and gynecology	98.3%	46	40
Occupational medicine	87.4%	24	10
Oncology	97.4%	30	20
Orthopaedic surgery	97.2%	27	20
Otolaryngology	98.6%	43	30
Pain medicine	95.2%	101	78
Pediatrics- general	98.0%	53	40
Physical medicine/rehabilitation	91.3%	45	30
Plastic surgery	94.7%	16	10
Psychiatry	97.7%	102	75
Urology	98.8%	46	35

Note: PAs were asked if they prescribe pharmacological agents for patients and, if so, how many prescriptions/refills they write per week.

Median Number of Prescriptions Written per Week by Specialty

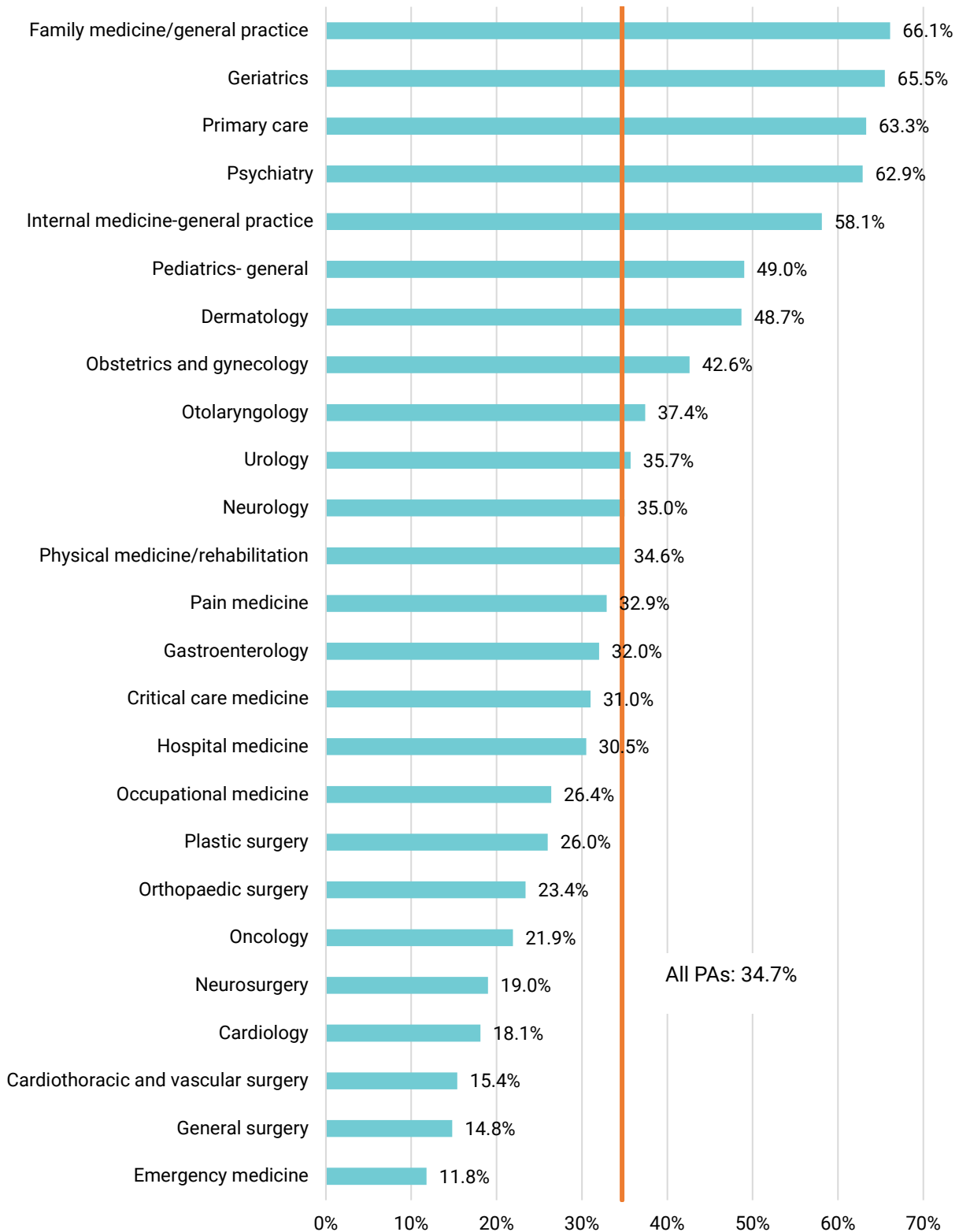


Patient Panels by Specialty

Specialty	Has own patient panel		Median number of patients managed in patient panel	
	2022	2018	2022	2018
Primary care	63.3%	62.1%	400	300
Cardiology	18.1%	16.6%	50	50
Cardiothoracic and vascular surgery	15.4%	14.0%	15	15
Critical care medicine	31.0%	24.3%	10	10
Dermatology	48.7%	46.6%	300	200
Emergency medicine	11.8%	10.9%	25	25
Family medicine/general practice	66.1%	65.1%	450	400
Gastroenterology	32.0%	30.0%	100	100
General surgery	14.8%	13.7%	20	20
Geriatrics	65.5%	62.4%	100	100
Hospital medicine	30.5%	26.8%	12	14
Internal medicine- general practice	58.1%	56.6%	300	250
Neurology	35.0%	32.5%	100	100
Neurosurgery	19.0%	15.8%	25	20
Obstetrics and gynecology	42.6%	42.6%	100	100
Occupational medicine	26.4%	26.8%	100	90
Oncology	21.9%	20.1%	30	25
Orthopaedic surgery	23.4%	22.5%	50	50
Otolaryngology	37.4%	32.8%	100	75
Pain medicine	32.9%	33.4%	200	200
Pediatrics- general	49.0%	44.8%	100	100
Physical medicine/rehabilitation	34.6%	34.7%	60	79
Plastic surgery	26.0%	24.7%	40	30
Psychiatry	62.9%	59.8%	200	200
Urology	35.7%	33.3%	100	100

Note: PAs were asked if they manage a patient panel at their principal practice, and if so, how many patients are in their panel.

PA's with a Patient Panel by Specialty



Note: The percentages reflect the distribution within the specialty.

Future Data on PAs

NCCPA pursues a research agenda that focuses on its core activities and the ongoing evaluation and improvement of its exams and certification program. NCCPA is also committed to collaborating with external researchers to share data in appropriate and ethical ways to further advance the health and safety of the public or otherwise conduct useful research related to Board Certified PAs. To facilitate research collaborations, NCCPA developed Policies for the Review of Requests for Data and External Research Collaboration and guidelines that describe the process external researchers will need to follow for submitting requests for data and how those requests will be reviewed. The policies and guidelines are provided on NCCPA's website at: www.nccpa.net/resources/nccpa-research/

This Statistical Profile will be updated and published annually. In addition, NCCPA provides supplementary reports that are currently available and updated annually. Those reports include:

- Statistical Profile of Board Certified PAs
- Statistical Profile of Recently Board Certified PAs
- Specialty Supplement Report on Secondary Specialty
- Statistical Profile of Board Certified PAs by State

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Retrieved Date, www.nccpa.net/resources/nccpa-research/

This study is exempt from IRB review pursuant to the terms of the U.S. Department of Health and Human Service's Policy for Protection of Human Research Subjects at 45C.F.R. §46.101(b).

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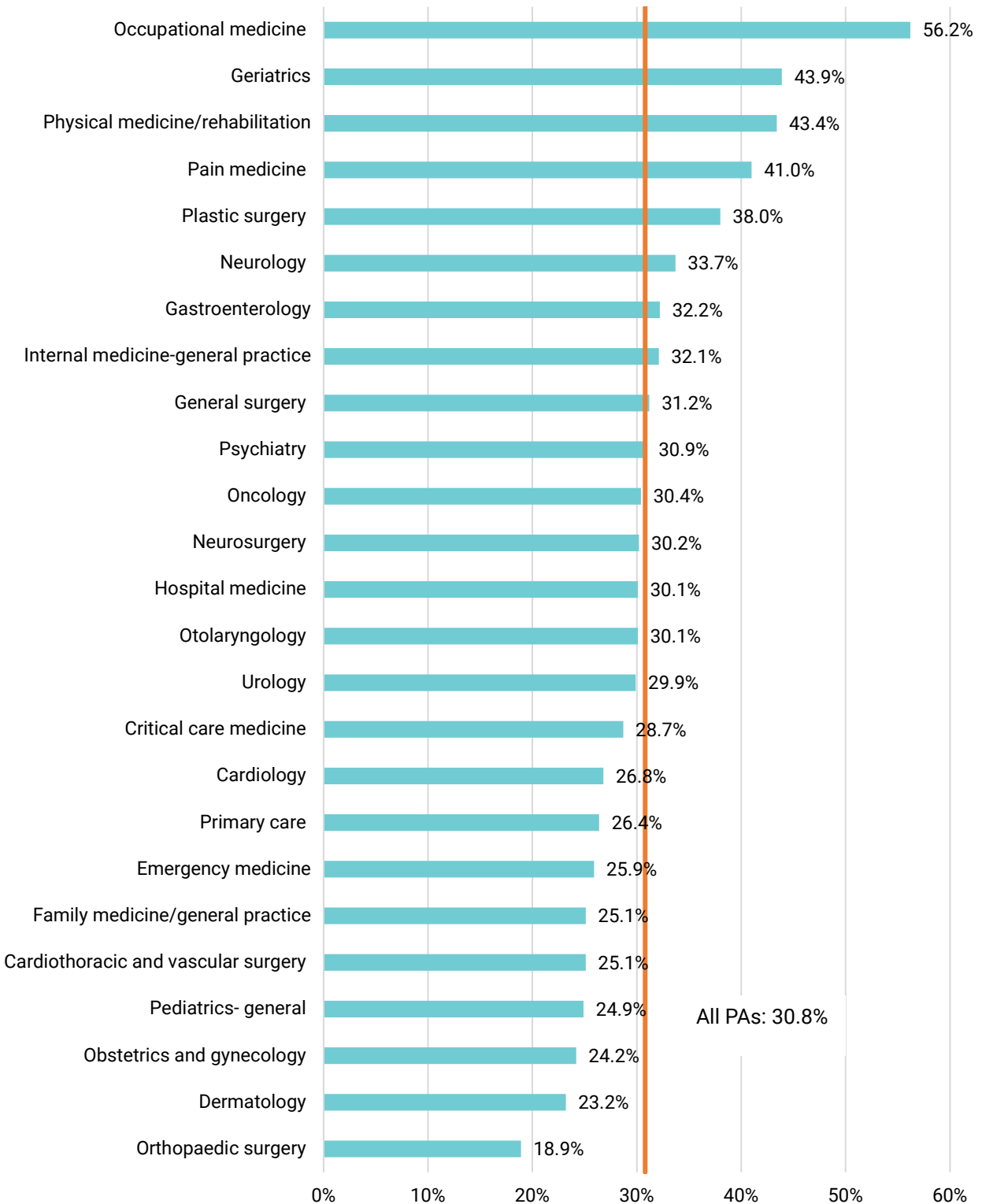
Appendix

Changed Specialties by Specialty

Specialty	Have not changed specialties	1 time	2 to 3 times	4 to 5 times	6 to 10 times	Over 10 times
Primary care	54.3%	19.3%	20.0%	5.0%	1.3%	0.1%
Cardiology	46.4%	26.7%	21.7%	4.1%	1.0%	0.0%
Cardiothoracic and vascular surgery	52.0%	22.9%	19.9%	4.3%	0.9%	0.0%
Critical care medicine	46.4%	24.9%	22.5%	5.1%	0.9%	0.2%
Dermatology	50.0%	26.9%	18.3%	4.1%	0.8%	0.0%
Emergency medicine	51.3%	22.8%	21.1%	4.0%	0.8%	<0.1%
Family medicine/ general practice	56.5%	18.4%	19.1%	4.7%	1.2%	0.1%
Gastroenterology	41.5%	26.4%	24.8%	5.2%	2.1%	0.1%
General surgery	46.3%	22.5%	23.7%	5.8%	1.6%	0.1%
Geriatrics	33.9%	22.1%	30.3%	10.0%	3.4%	0.2%
Hospital medicine	50.7%	19.1%	22.3%	6.3%	1.5%	<0.1%
Internal medicine- general practice	46.2%	21.5%	23.6%	6.8%	1.7%	<0.1%
Neurology	42.1%	24.2%	24.3%	8.0%	1.4%	0.0%
Neurosurgery	49.2%	20.6%	24.9%	4.0%	1.2%	0.1%
Obstetrics and gynecology	50.9%	24.8%	18.4%	5.0%	0.7%	0.1%
Occupational medicine	20.7%	23.2%	33.3%	18.4%	4.3%	0.2%
Oncology	44.5%	25.2%	22.5%	7.2%	0.7%	0.0%
Orthopaedic surgery	61.5%	19.5%	15.2%	3.1%	0.6%	<0.1%
Otolaryngology	44.3%	25.6%	24.2%	4.2%	1.7%	0.0%
Pain medicine	31.5%	27.5%	29.0%	9.0%	2.8%	0.2%
Pediatrics- general	52.3%	22.8%	20.2%	3.8%	0.7%	0.2%
Physical medicine/ rehabilitation	32.9%	23.7%	31.2%	8.9%	3.3%	0.0%
Plastic surgery	32.6%	29.4%	28.4%	8.2%	1.4%	0.0%
Psychiatry	45.1%	24.0%	21.0%	7.9%	2.0%	0.0%
Urology	47.1%	23.0%	20.8%	7.2%	1.9%	0.0%

Note: PAs were asked how many times they have changed specialties throughout their PA career thus far.

Changed Specialties Two or More Times by Specialty



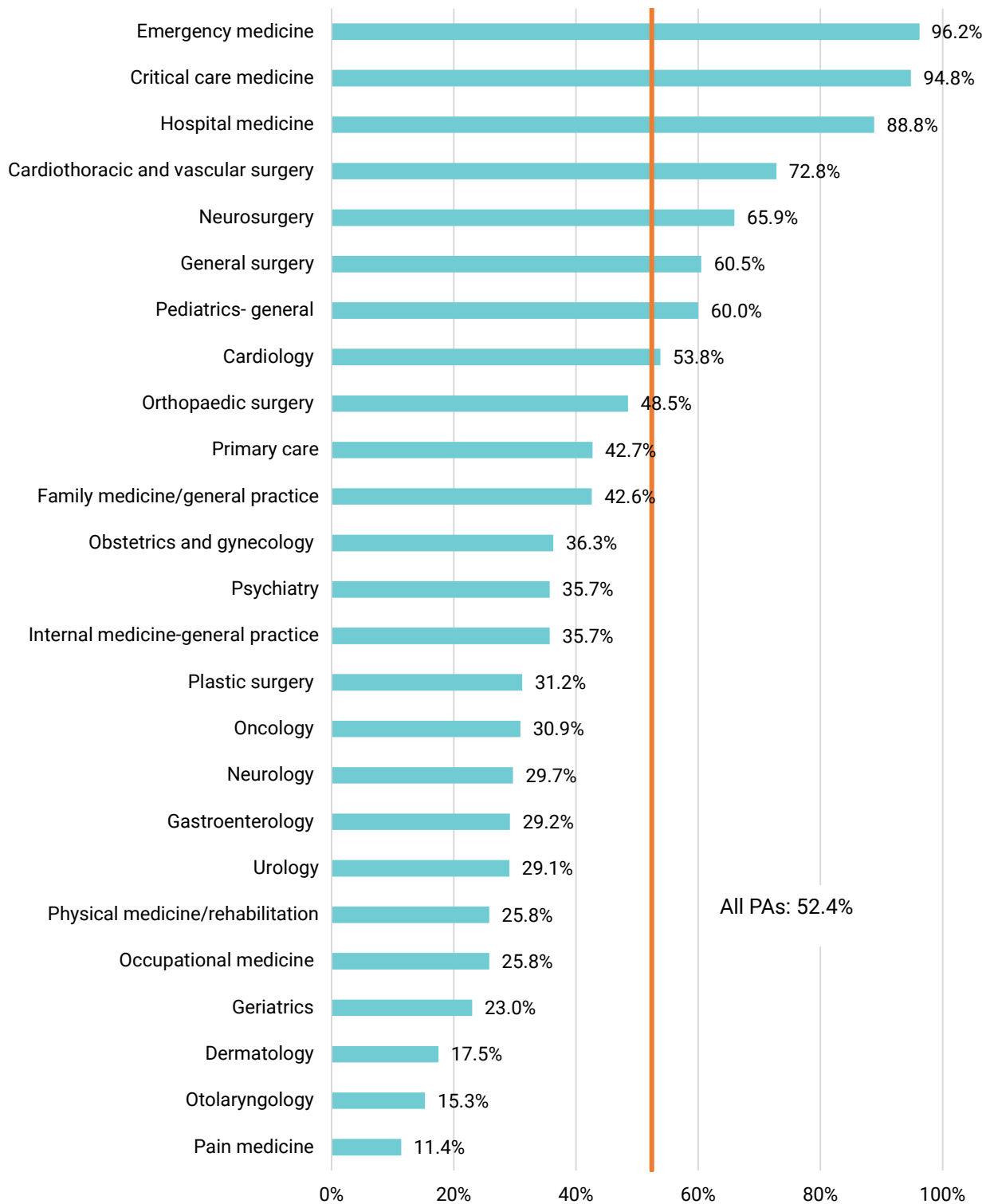
Note: The percentages reflect the distribution within the specialty.

Employment Type and Work Weekends/Evenings by Specialty

Specialty	Employment Type				Patients on Weekends and/or Evenings
	Employee	Independent Contractor	Full or Part Owner	Other	
Primary care	91.6%	3.5%	3.5%	1.4%	42.7%
Cardiology	97.4%	0.8%	1.5%	0.3%	53.8%
Cardiothoracic and vascular surgery	95.5%	2.6%	0.9%	1.0%	72.8%
Critical care medicine	93.9%	3.7%	1.8%	0.6%	94.8%
Dermatology	93.8%	1.8%	3.7%	0.7%	17.5%
Emergency medicine	90.7%	5.9%	2.6%	0.8%	96.2%
Family medicine/ general practice	91.5%	3.5%	3.6%	1.4%	42.6%
Gastroenterology	97.2%	0.8%	1.2%	0.8%	29.2%
General surgery	96.7%	1.4%	1.3%	0.6%	60.5%
Geriatrics	84.9%	9.3%	4.2%	1.6%	23.0%
Hospital medicine	94.8%	2.7%	1.7%	0.8%	88.8%
Internal medicine- general practice	91.1%	4.3%	3.3%	1.4%	35.7%
Neurology	97.4%	1.4%	0.9%	0.3%	29.7%
Neurosurgery	96.9%	1.7%	0.7%	0.8%	65.9%
Obstetrics and gynecology	95.9%	0.9%	2.8%	0.4%	36.3%
Occupational medicine	90.3%	5.1%	2.7%	1.9%	25.8%
Oncology	97.6%	0.7%	1.1%	0.6%	30.9%
Orthopaedic surgery	97.0%	1.2%	1.2%	0.6%	48.5%
Otolaryngology	98.1%	0.4%	1.0%	0.4%	15.3%
Pain medicine	94.4%	3.7%	1.5%	0.4%	11.4%
Pediatrics- general	94.2%	2.3%	2.8%	0.7%	60.0%
Physical medicine/ rehabilitation	94.2%	4.2%	1.1%	0.6%	25.8%
Plastic surgery	92.2%	3.2%	4.2%	0.5%	31.2%
Psychiatry	83.7%	11.7%	3.4%	1.2%	35.7%
Urology	97.3%	1.0%	1.0%	0.7%	29.1%

Note: PAs were asked about their employment type at their principal clinical position and if they see patients on weekends and/or evenings.

See Patients on Weekends and/or Evenings by Specialty



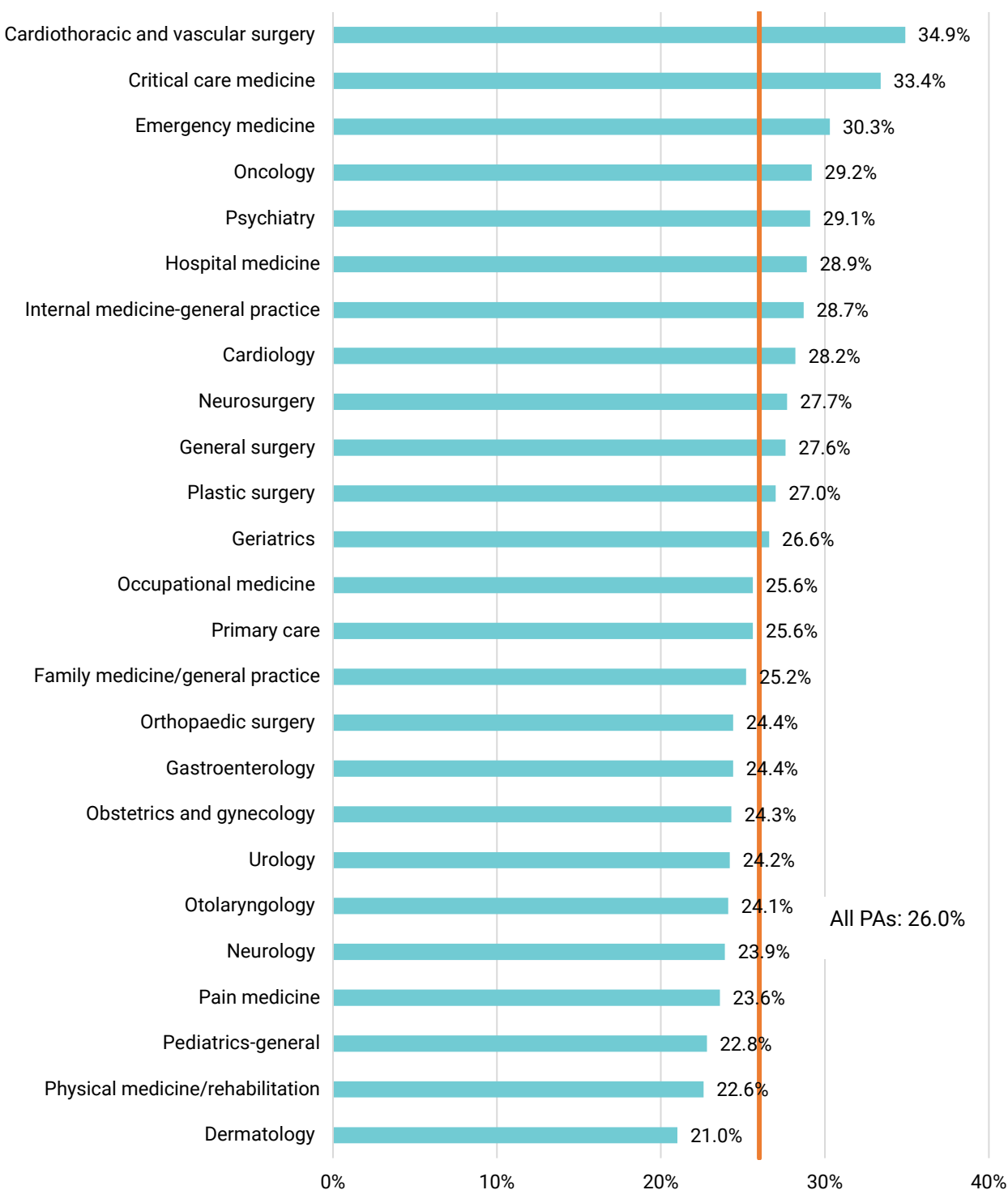
Note: The percentages reflect the distribution within the specialty.

Changes in Work Environment by Specialty

Specialty	Competition for Jobs with Other Health Care Professionals				Clinical Opportunities Available				Quality of Working Conditions			
	Increased	No change	Decreased	NA*	Increased	No change	Decreased	NA*	Increased	No change	Decreased	NA*
Primary care	23.9%	57.4%	3.9%	14.9%	25.6%	51.7%	12.0%	10.6%	12.6%	48.0%	34.5%	4.9%
Cardiology	25.6%	58.5%	3.4%	12.4%	28.2%	51.5%	12.7%	7.5%	11.2%	47.3%	38.3%	3.2%
Cardiothoracic and vascular surgery	22.9%	59.5%	5.7%	11.9%	34.9%	47.8%	9.8%	7.5%	9.7%	45.1%	41.6%	3.6%
Critical care medicine	28.8%	55.0%	4.4%	11.7%	33.4%	45.7%	13.6%	7.2%	11.8%	42.5%	41.7%	4.0%
Dermatology	25.7%	56.6%	1.7%	16.0%	21.0%	53.7%	12.4%	13.0%	13.3%	52.3%	28.7%	5.6%
Emergency medicine	31.8%	53.1%	4.9%	10.2%	30.3%	45.2%	16.9%	7.5%	7.5%	31.4%	58.0%	3.1%
Family medicine/general practice	23.8%	57.8%	3.9%	14.5%	25.2%	52.5%	12.0%	10.3%	12.5%	48.1%	34.6%	4.7%
Gastroenterology	24.3%	57.7%	2.7%	15.3%	24.4%	51.8%	12.3%	11.4%	9.7%	48.1%	37.6%	4.5%
General surgery	28.3%	56.1%	2.7%	13.0%	27.6%	50.4%	13.0%	9.0%	9.2%	47.2%	39.5%	4.1%
Geriatrics	26.5%	57.2%	3.6%	12.7%	26.6%	50.8%	15.4%	7.1%	12.3%	46.2%	37.9%	3.6%
Hospital medicine	32.5%	51.4%	4.2%	11.9%	28.9%	46.9%	16.1%	8.1%	9.2%	41.0%	46.2%	3.6%
Internal medicine-general practice	25.3%	55.5%	3.6%	15.5%	28.7%	48.9%	11.4%	10.9%	13.6%	47.0%	33.8%	5.6%
Neurology	23.8%	57.7%	3.7%	14.8%	23.9%	54.7%	11.7%	9.7%	13.1%	49.5%	32.8%	4.6%
Neurosurgery	24.2%	58.1%	3.2%	14.5%	27.7%	50.5%	11.9%	9.9%	9.5%	45.4%	41.4%	3.7%
Obstetrics and gynecology	25.1%	55.9%	2.3%	16.8%	24.3%	51.9%	13.5%	10.3%	10.3%	48.2%	36.7%	4.8%
Occupational medicine	26.0%	53.4%	3.5%	17.0%	25.6%	48.9%	13.9%	11.6%	10.8%	49.4%	33.6%	6.1%
Oncology	22.2%	57.4%	3.9%	16.5%	29.2%	51.4%	10.1%	9.3%	11.6%	44.6%	40.2%	3.6%
Orthopaedic surgery	22.4%	61.6%	2.5%	13.5%	24.4%	55.8%	10.5%	9.3%	10.2%	52.1%	33.9%	3.8%
Otolaryngology	24.7%	57.3%	2.8%	15.3%	24.1%	51.3%	14.5%	10.1%	13.7%	48.7%	34.0%	3.6%
Pain medicine	27.6%	54.2%	2.3%	15.9%	23.6%	50.6%	14.3%	11.6%	12.9%	54.2%	27.0%	5.9%
Pediatrics- general	21.0%	57.6%	4.0%	17.5%	22.8%	50.9%	12.9%	13.4%	11.1%	49.1%	35.3%	4.5%
Physical medicine/rehabilitation	22.8%	59.2%	2.3%	15.8%	22.6%	52.8%	11.3%	13.3%	6.5%	51.1%	37.3%	5.1%
Plastic surgery	26.6%	55.8%	2.0%	15.6%	27.0%	47.8%	13.7%	11.5%	13.1%	49.1%	31.6%	6.2%
Psychiatry	30.0%	52.7%	3.3%	14.0%	29.1%	47.1%	14.4%	9.4%	16.7%	47.2%	31.4%	4.7%
Urology	20.5%	61.1%	2.5%	15.9%	24.2%	53.5%	11.9%	10.4%	12.9%	47.9%	34.1%	5.1%

PAs were asked if they experienced any changes to their work environment in the past year.

Increase in Clinical Opportunities Available in Last Year by Specialty



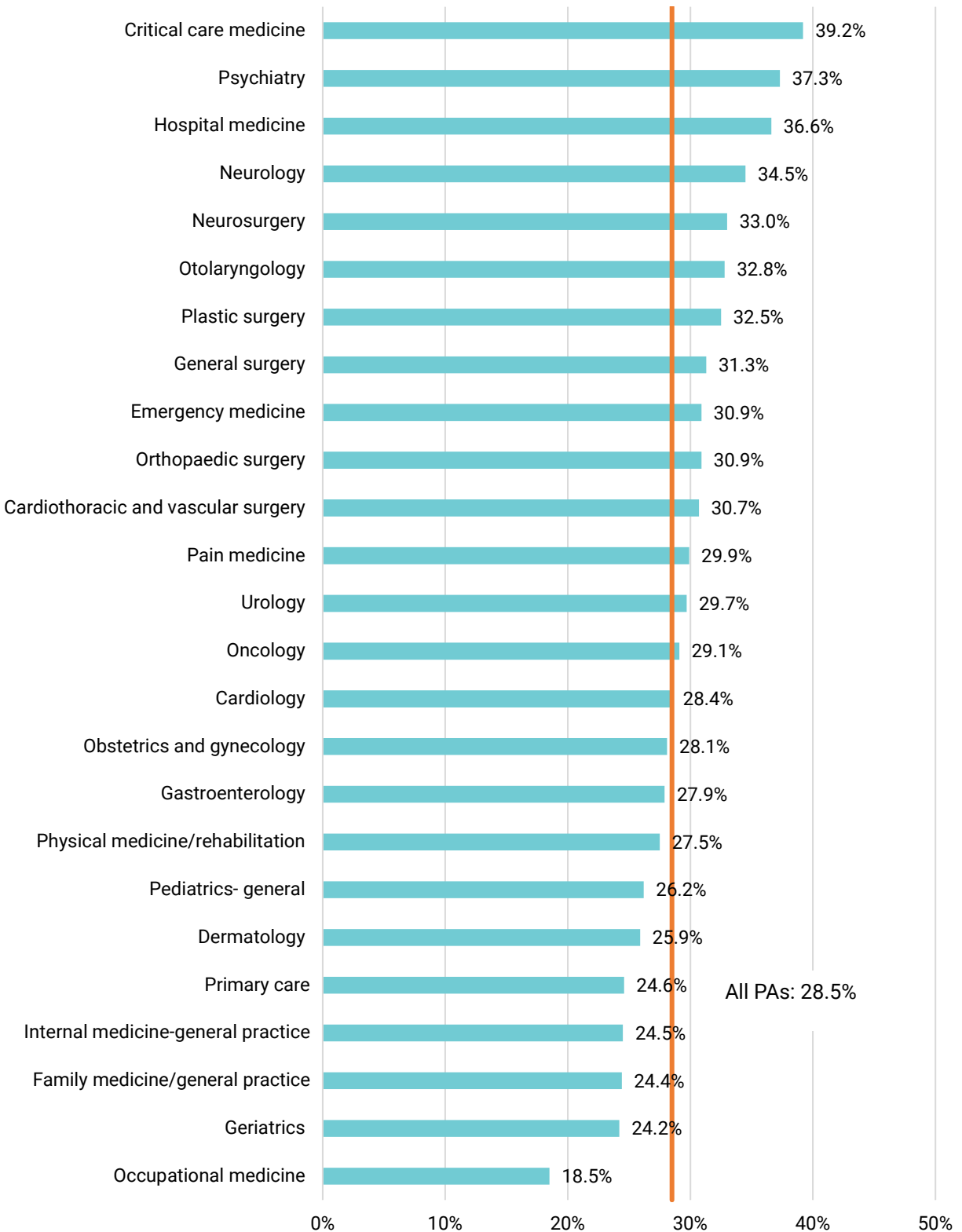
Note: The percentages reflect the distribution within the specialty.

Total Educational Debt* by Specialty

	No debt	< \$25K	\$25,000- \$49,999	\$50,000- \$74,999	\$75,000- \$99,999	\$100,000- \$124,999	\$125,000- \$149,999	\$150,000- \$199,999	\$200,000 or more	Not Sure	Prefer not to answer
Primary care	47.3%	5.9%	5.9%	5.7%	5.7%	6.6%	5.6%	7.4%	5.0%	1.1%	4.0%
Cardiology	41.2%	5.7%	6.3%	5.7%	6.8%	7.1%	6.7%	9.1%	5.5%	1.0%	5.1%
Cardiothoracic and vascular surgery	41.8%	5.8%	5.5%	4.7%	5.7%	7.8%	6.7%	10.3%	5.9%	1.0%	4.7%
Critical care medicine	33.3%	4.7%	6.1%	4.9%	7.2%	7.5%	8.0%	13.2%	10.5%	0.6%	4.1%
Dermatology	46.7%	5.3%	5.6%	4.4%	5.6%	6.3%	5.9%	8.0%	5.7%	1.2%	5.3%
Emergency medicine	40.4%	6.4%	5.6%	5.8%	6.0%	7.0%	7.4%	10.1%	6.4%	0.9%	4.0%
Family medicine/ general practice	48.3%	5.7%	5.6%	5.5%	5.6%	6.5%	5.7%	7.4%	4.8%	1.1%	3.8%
Gastroenterology	42.0%	6.3%	5.9%	6.4%	6.1%	7.0%	7.7%	7.5%	5.7%	1.1%	4.4%
General surgery	37.7%	5.4%	5.1%	5.7%	8.1%	7.3%	7.3%	9.9%	6.8%	1.0%	5.8%
Geriatrics	48.5%	6.8%	5.0%	5.8%	5.4%	6.8%	5.6%	5.8%	6.0%	0.8%	3.2%
Hospital medicine	34.7%	5.4%	5.4%	6.5%	7.3%	8.8%	8.7%	12.6%	6.5%	0.9%	3.3%
Internal medicine- general practice	44.9%	6.2%	6.8%	5.6%	6.0%	6.7%	5.0%	7.3%	5.5%	1.3%	4.8%
Neurology	37.3%	5.4%	4.9%	6.4%	6.2%	8.1%	6.7%	13.2%	6.5%	1.2%	4.1%
Neurosurgery	38.3%	4.0%	5.8%	6.9%	6.4%	7.9%	6.5%	10.2%	8.4%	1.4%	4.1%
Obstetrics and gynecology	42.4%	6.9%	5.2%	5.9%	6.2%	7.8%	5.9%	7.0%	7.4%	1.5%	3.9%
Occupational medicine	56.9%	7.6%	3.8%	4.9%	3.4%	4.4%	3.6%	6.7%	3.8%	1.3%	3.5%
Oncology	42.5%	6.0%	5.8%	5.9%	6.0%	6.5%	6.7%	9.8%	6.1%	1.5%	3.3%
Orthopaedic surgery	39.2%	5.9%	5.8%	6.1%	6.2%	7.8%	7.7%	9.3%	6.1%	1.1%	4.8%
Otolaryngology	38.9%	4.7%	6.2%	4.9%	6.0%	8.4%	8.4%	9.4%	6.6%	0.9%	5.6%
Pain medicine	41.5%	5.2%	4.8%	6.1%	7.3%	7.2%	5.5%	10.9%	6.3%	0.8%	4.3%
Pediatrics- general	43.1%	6.7%	6.7%	7.0%	5.7%	7.3%	6.2%	6.7%	6.0%	0.9%	3.6%
Physical medicine/ rehabilitation	41.0%	6.5%	5.6%	6.2%	8.1%	7.3%	8.4%	6.2%	5.6%	1.1%	3.9%
Plastic surgery	37.4%	4.9%	6.1%	6.3%	5.5%	8.4%	7.2%	10.0%	6.9%	1.4%	5.8%
Psychiatry	33.9%	5.6%	4.8%	5.8%	7.1%	6.7%	9.0%	12.2%	9.4%	1.3%	4.2%
Urology	37.7%	5.5%	8.2%	6.3%	6.7%	8.3%	6.6%	8.4%	6.4%	1.3%	4.7%

*Total educational debt from all undergraduate and graduate programs.

Educational Debt \$100,000 or More by Specialty



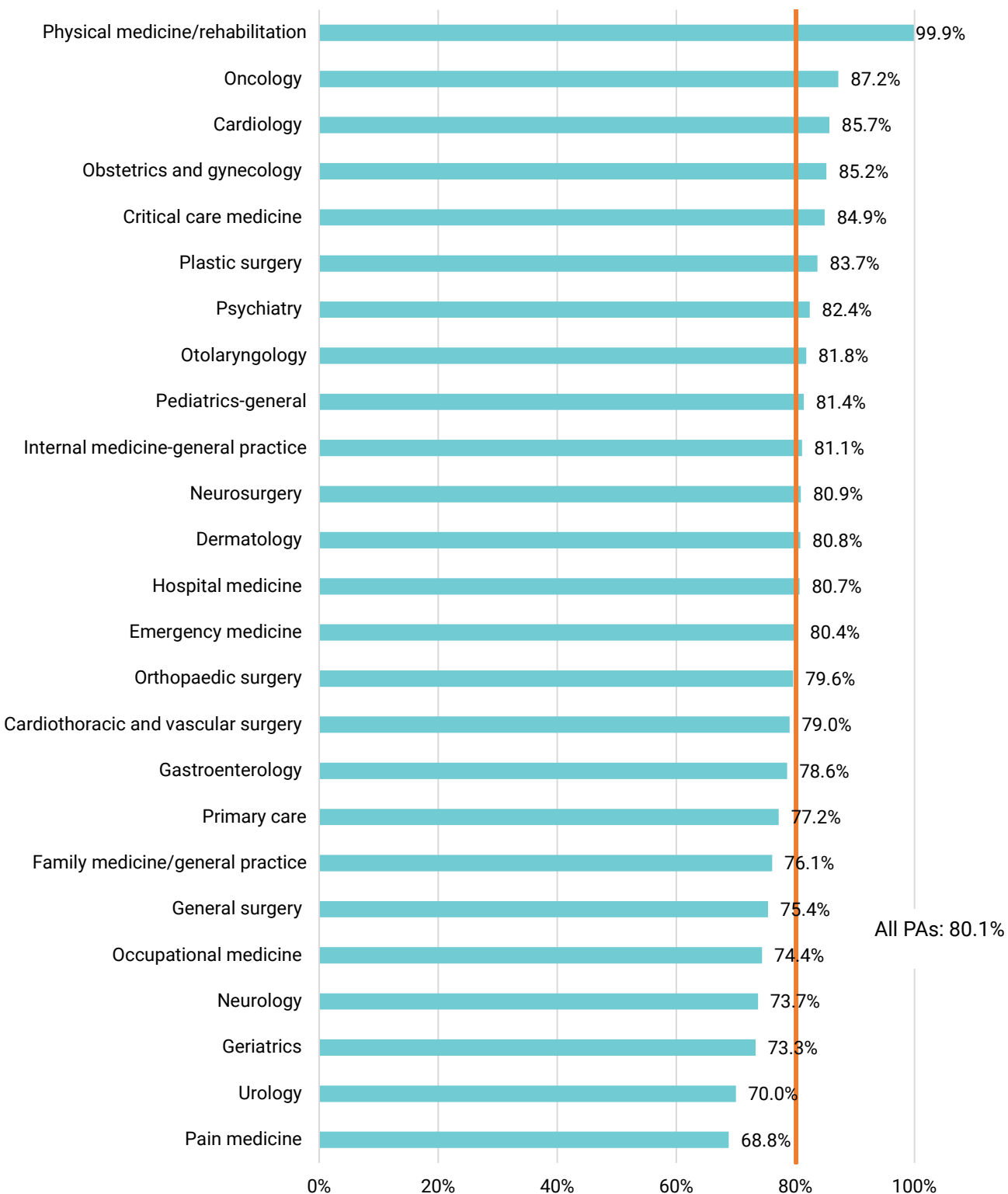
Note: The percentages reflect the distribution within the specialty.

Satisfaction with Postgraduate Program by Specialty Practice Area

	Completely Satisfied	Mostly Satisfied	Somewhat Satisfied	Neither Dissatisfied nor Satisfied	Somewhat Dissatisfied	Mostly Dissatisfied	Completely Dissatisfied
Primary care	34.0%	37.5%	5.7%	3.5%	2.4%	5.3%	11.6%
Cardiology	42.9%	35.7%	7.1%	5.4%	0.0%	5.4%	3.6%
Cardiothoracic and vascular surgery	48.1%	25.3%	5.6%	3.1%	4.3%	3.1%	10.5%
Critical care medicine	40.4%	37.8%	6.7%	1.6%	0.5%	5.2%	7.8%
Dermatology	35.5%	38.0%	7.3%	5.1%	0.9%	5.1%	8.1%
Emergency medicine	39.4%	32.3%	8.7%	3.1%	3.2%	6.4%	7.0%
Family medicine/ general practice	33.6%	37.2%	5.3%	3.3%	2.5%	5.3%	12.8%
Gastroenterology	31.0%	45.2%	2.4%	4.8%	4.8%	7.1%	4.8%
General surgery	38.4%	31.2%	5.8%	2.9%	2.9%	9.4%	9.4%
Geriatrics	40.0%	33.3%	0.0%	6.7%	13.3%	0.0%	6.7%
Hospital medicine	36.5%	39.4%	4.8%	2.9%	1.0%	7.7%	7.7%
Internal medicine- general practice	36.2%	39.1%	5.8%	4.3%	1.4%	5.8%	7.2%
Neurology	36.8%	31.6%	5.3%	10.5%	0.0%	5.3%	10.5%
Neurosurgery	38.1%	31.7%	11.1%	6.3%	3.2%	3.2%	6.3%
Obstetrics and gynecology	58.8%	23.5%	2.9%	2.9%	2.9%	0.0%	8.8%
Occupational medicine	34.0%	31.9%	8.5%	10.6%	6.4%	2.1%	6.4%
Oncology	51.3%	30.8%	5.1%	5.1%	0.0%	2.6%	5.1%
Orthopaedic surgery	42.9%	32.5%	4.2%	4.4%	3.1%	4.4%	8.6%
Otolaryngology	48.5%	24.2%	9.1%	3.0%	0.0%	6.1%	9.1%
Pain medicine	28.1%	34.4%	6.3%	12.5%	3.1%	6.3%	9.4%
Pediatrics- general	33.3%	37.0%	11.1%	3.7%	3.7%	3.7%	7.4%
Physical medicine/ rehabilitation	44.4%	33.3%	22.2%	0.0%	0.0%	0.0%	0.0%
Plastic surgery	44.9%	30.6%	8.2%	4.1%	0.0%	4.1%	8.2%
Psychiatry	40.0%	36.8%	5.6%	2.4%	3.2%	3.2%	8.8%
Urology	35.0%	25.0%	10.0%	5.0%	5.0%	0.0%	20.0%

Note: PAs who indicated they completed a postgraduate program were asked how satisfied they were with their program. Satisfied includes responses of Completely Satisfied, Mostly Satisfied, and Somewhat Satisfied.

Satisfied with Postgraduate Program by Specialty Practice Area



Note: The percentages reflect the distribution within the specialty.
Satisfied includes responses of "Completely Satisfied", "Mostly Satisfied", and "Somewhat Satisfied".

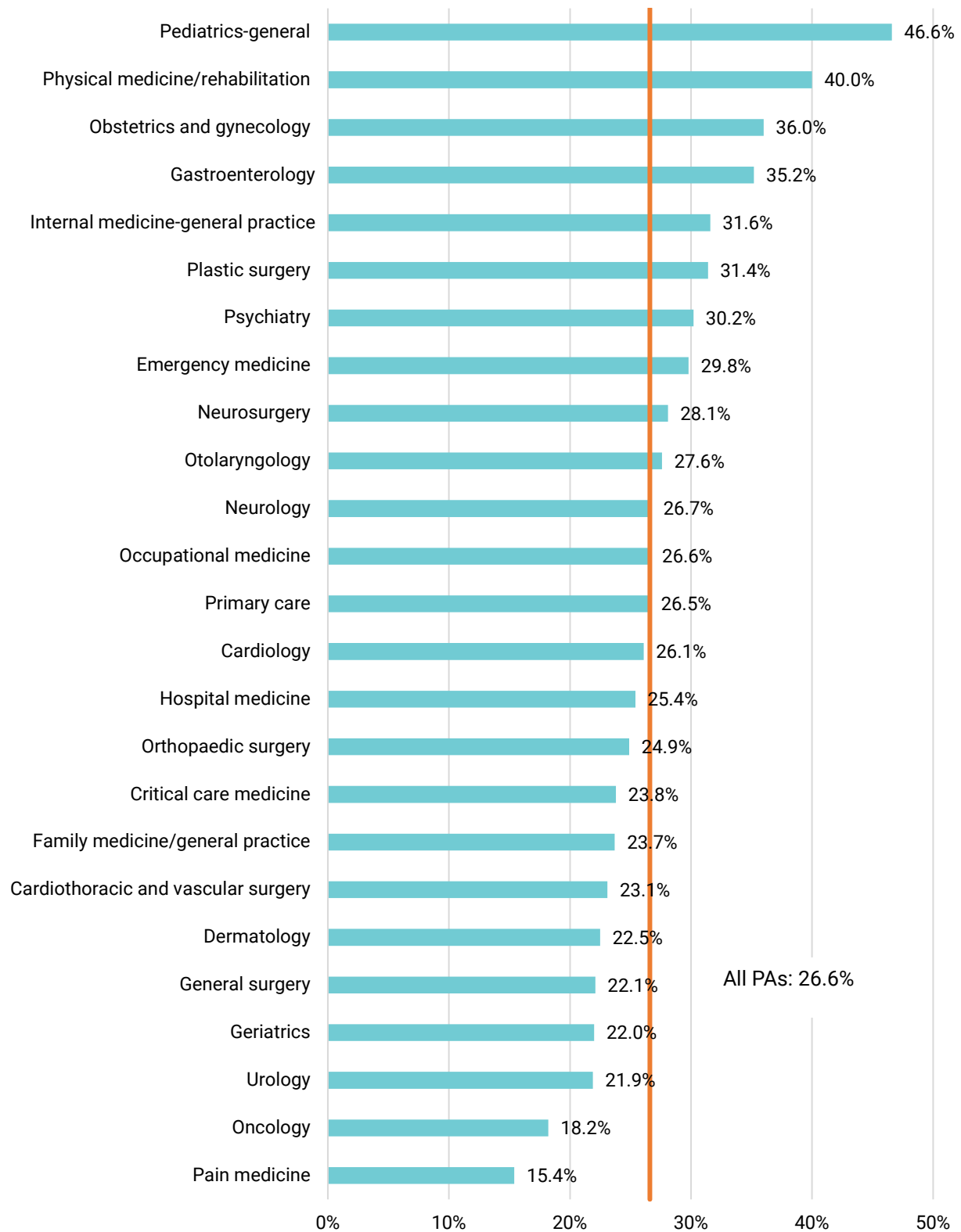
Non-Clinical Secondary Position by Specialty

	Faculty	Medical Administration	Consulting	Speaking	Clinical Trial Research	Expert Witness	Other*
Primary care	26.5%	14.7%	8.0%	3.8%	2.5%	2.0%	15.0%
Cardiology	26.1%	17.1%	8.1%	10.8%	4.5%	0.9%	16.2%
Cardiothoracic and vascular surgery	23.1%	21.2%	12.5%	8.7%	1.0%	2.9%	18.3%
Critical care medicine	23.8%	12.4%	2.9%	5.7%	1.0%	1.9%	8.6%
Dermatology	22.5%	5.6%	14.1%	14.8%	9.2%	2.8%	13.4%
Emergency medicine	29.8%	14.5%	6.5%	4.4%	1.0%	4.7%	11.2%
Family medicine/ general practice	23.7%	15.7%	7.8%	3.9%	2.7%	1.9%	16.2%
Gastroenterology	35.2%	9.3%	3.7%	1.9%	14.8%	3.7%	13.0%
General surgery	22.1%	13.5%	6.7%	6.7%	0.0%	1.9%	15.4%
Geriatrics	22.0%	7.3%	7.3%	4.9%	2.4%	4.9%	24.4%
Hospital medicine	25.4%	13.5%	2.1%	1.0%	1.0%	0.5%	11.9%
Internal medicine- general practice	31.6%	13.8%	10.2%	4.6%	2.0%	2.6%	11.2%
Neurology	26.7%	15.6%	6.7%	11.1%	22.2%	0.0%	8.9%
Neurosurgery	28.1%	10.9%	7.8%	9.4%	4.7%	4.7%	17.2%
Obstetrics and gynecology	36.0%	18.0%	6.0%	6.0%	8.0%	6.0%	16.0%
Occupational medicine	26.6%	24.1%	12.7%	1.3%	0.0%	5.1%	19.0%
Oncology	18.2%	15.6%	5.2%	5.2%	10.4%	0.0%	14.3%
Orthopaedic surgery	24.9%	15.0%	8.5%	8.2%	3.1%	5.5%	14.7%
Otolaryngology	27.6%	0.0%	0.0%	3.4%	0.0%	0.0%	27.6%
Pain medicine	15.4%	10.3%	12.8%	10.3%	0.0%	5.1%	20.5%
Pediatrics- general	46.6%	5.5%	4.1%	1.4%	1.4%	1.4%	11.0%
Physical medicine/ rehabilitation	40.0%	6.7%	13.3%	0.0%	6.7%	0.0%	13.3%
Plastic surgery	31.4%	8.6%	22.9%	14.3%	2.9%	5.7%	20.0%
Psychiatry	30.2%	12.5%	5.2%	9.4%	2.1%	3.1%	14.6%
Urology	21.9%	15.6%	6.3%	12.5%	3.1%	3.1%	21.9%

Note: PAs who indicated they have a secondary non-clinical position in addition to their principal clinical PA position, and the type of non-clinical position. The percentages reflect the distribution within specialty among PAs with a secondary non-clinical position.

*Other non-clinical positions listed include: health assessments, quality improvement/control, medical research, IT/medical informatics.

Non-Clinical Secondary Faculty Position by Specialty



Note: The percentages reflect the distribution within specialty among PAs with a secondary non-clinical position.