Physician Assistant
What is a Physician Assistant?

A physician assistant (PA) is a nationally certified and state-licensed medical professional.

PAs practice medicine on healthcare teams with physicians and other providers. They practice and prescribe medication in all 50 states, the District of Columbia, the majority of the U.S. territories and the uniformed services.

“All in all, I’ve had an amazing experience joining the field. I feel like I have found a professional home. I wanted work that makes a real difference in people’s lives. I wanted work that was challenging, but not tedious. I wanted to be compensated well for what I do, and I wanted a field that was broad enough that I would grow into it and not get bored. So far so good.”

mypatraining.com/being-a-physician-assistant-part-i
What can a PA Do?

PHYSICIAN ASSISTANT CAREERS: THE BASICS

Physician assistants work in collaboration with licensed physicians to provide medical care to patients. Duties include diagnosing and treating illnesses, performing physical examinations, assisting in surgeries, making rounds in hospitals, and performing assigned tasks during procedures. They may conduct physical exams, order different types of tests, develop treatment plans, write prescriptions, or monitor patients in medical facilities. Specific duties depend on the setting, state laws, and specialty area of individual PAs. This is a very patient-focused role and requires strong interpersonal skills.

PHYSICIAN ASSISTANT CAREERS: IN-DEPTH

Physician assistant degree programs typically include 2,000 hours or more of clinical rotations, providing the PA with the applied experience needed to work in a variety of clinical and medical settings. A certified physician assistant is responsible for performing tasks and procedures under the supervision of a doctor or other medical professional. They may work in a specific field, such as family medicine, internal medicine, general surgery, obstetrics and gynecology, emergency medicine, or psychiatry.

Graduates of a PA program need to pass the Physician Assistant National Certifying Exam (PANCE) and obtain a state license before they can practice.

https://www.learnhowtobecome.org/physician-assistant/
## PA vs NP vs MD

<table>
<thead>
<tr>
<th></th>
<th>Physician Assistant</th>
<th>Nurse Practitioner</th>
<th>Physician</th>
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</thead>
<tbody>
<tr>
<td>Prerequisite Education</td>
<td>Bachelor’s degree + clinical hours</td>
<td>Bachelor’s in Nursing + clinical hours</td>
<td>Bachelor’s degree</td>
</tr>
<tr>
<td>Learning Model</td>
<td>Medical – Physician</td>
<td>Medical – Nursing</td>
<td>Medical – Physician</td>
</tr>
<tr>
<td>Time in Classroom</td>
<td>1000 hours</td>
<td>500 hours</td>
<td>2 years</td>
</tr>
<tr>
<td>Time in Clinic</td>
<td>2000 hours</td>
<td>500-700 hours</td>
<td>2 years</td>
</tr>
<tr>
<td>Total Post High School</td>
<td>6-7 years</td>
<td>6-8 years</td>
<td>8 years</td>
</tr>
<tr>
<td>Education</td>
<td>6-7 years</td>
<td>6-8 years</td>
<td>8 years</td>
</tr>
<tr>
<td>Residency</td>
<td>1-2 years (optional)</td>
<td>1-2 years (optional)</td>
<td>3-8 years (required)</td>
</tr>
<tr>
<td>Independent Practitioner</td>
<td>No</td>
<td>In 18 states</td>
<td>Yes</td>
</tr>
<tr>
<td>Perform Surgery</td>
<td>Assist</td>
<td>Assist</td>
<td>Yes</td>
</tr>
<tr>
<td>Conduct physicals, diagnose,</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>treat, write prescriptions</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>US Base salary</td>
<td>$104,860</td>
<td>$110,930</td>
<td>$208,000</td>
</tr>
</tbody>
</table>

www.thepalife.com/physician-assistant-vs-nurse-practitioner-vs-medical-doctor
Top Ten PA Practice Areas

- Family Medicine/General Practice: 19.2%
- Surgical Subspecialties: 18.5%
- Emergency Medicine: 13.0%
- Internal Medicine Subspecialties: 9.4%
- Internal Medicine- General Practice: 4.7%
- Dermatology: 4.0%
- Hospital Medicine: 3.5%
- General Surgery: 2.9%
- Pediatrics: 1.9%
- Critical Care Medicine: 1.5%

Top Surgical Subspecialties
- Orthopedic Surgery: 10.8%
- Cardiothoracic Vascular Surgery: 3.4%
- Neurosurgery: 2.2%

Top Internal Medicine Subspecialties
- Cardiology: 2.9%
- Gastroenterology: 1.7%
- Oncology: 1.4%
## Race and Ethnicity of Certified PAs

**Race**

<table>
<thead>
<tr>
<th>Race</th>
<th>Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>94,827</td>
<td>86.9%</td>
</tr>
<tr>
<td>Black/African American</td>
<td>3,951</td>
<td>3.6%</td>
</tr>
<tr>
<td>Asian</td>
<td>6,295</td>
<td>5.8%</td>
</tr>
<tr>
<td>Native Hawaiian/Pacific Islander</td>
<td>335</td>
<td>0.3%</td>
</tr>
<tr>
<td>American Indian or Alaskan Native</td>
<td>411</td>
<td>0.4%</td>
</tr>
<tr>
<td>Other</td>
<td>3,321</td>
<td>3.0%</td>
</tr>
<tr>
<td><strong>Total Responses</strong></td>
<td>109,140</td>
<td>100%</td>
</tr>
</tbody>
</table>

**Hispanic, Latino/a, or Spanish Ethnicity**

<table>
<thead>
<tr>
<th>Hispanic, Latino/a, or Spanish Ethnicity</th>
<th>Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mexican, Mexican American, Chicano/a</td>
<td>2,726</td>
<td>2.4%</td>
</tr>
<tr>
<td>Puerto Rican</td>
<td>833</td>
<td>0.8%</td>
</tr>
<tr>
<td>Cuban</td>
<td>590</td>
<td>0.5%</td>
</tr>
<tr>
<td>Other Hispanic, Latino/a, Spanish origin</td>
<td>2,929</td>
<td>2.6%</td>
</tr>
<tr>
<td><strong>Total Responses</strong></td>
<td>7,078</td>
<td>6.3%</td>
</tr>
</tbody>
</table>

The chart above represents PAs who chose one race. 2,298 of respondents chose multiple races. 5,543 certified PAs who preferred not to answer the question.

The chart above represents certified PAs who reported one ethnicity. 299 respondents indicated two or more ethnicities. Of those who responded, 93.7% (104,550) indicated they were not Hispanic, Latino/a, or of Spanish origin. Respondents were able to select multiple ethnicities. 4,925 preferred not to answer the question.

The percentage of Hispanic PAs increased from 3.5% in 2000 to 6.3% in 2018, but has remained steady for the past six years.

What are some skills necessary to become a Clinical Competence

Be able to address the needs of patients in hospitals, emergency care facilities, and other medical settings and handle all types of patient needs and situations promptly and efficiently.

Effective Communication Skills

Communicate directly with patients and colleagues in a variety of settings, often in high-stress conditions.

Operational Management

Take care of clerical tasks, oversee operations, and handle the administrative side of clinical operations.

Adaptability and Flexibility

Handle emergency visits, assist physicians with unexpected procedures or new protocol, and support new patients during the intake process (often during stressful, unpredictable situations!).

Service-Oriented

Provide excellent service, both to patients and to medical professionals who supervise you; approach days with a service-oriented mindset and be able to perform job duties both independently and as part of a team.
Meet Dr. Eugene Stead

The PA profession was created to improve and expand healthcare. In the mid-1960s, physicians and educators recognized there was a shortage of primary care physicians. To remedy this, Dr. Eugene Stead of the Duke University Medical Center put together the first class of PAs in 1965. He selected Navy corpsmen who had received considerable medical training during their military service. Dr. Stead based the curriculum of the PA program on his knowledge of the fast-track training of doctors during World War II. The first PA class graduated from the Duke University PA program on Oct. 6, 1967.

The PA concept was lauded early on and gained acceptance and backing federally as early as the 1970s as a creative solution to physician shortages. The medical community helped support the profession and spurred setting accreditation standards, establishing a national certification and standardized examination, and developing continuing medical education requirements.

https://www.aapa.org/about/history/
I want to become a PA. Do I start?

Look into PA programs you want to apply to as early as your first year in college. You’ll typically need to complete at least two years of college coursework in basic and behavioral sciences before applying to a PA program, which is very similar to premedical studies.

The majority of PA programs have the following prerequisites:

• Chemistry
• Physiology
• Anatomy
• Microbiology
• Biology

Many PA programs also require prior healthcare experience with hands-on patient care.

You can get healthcare experience by being a (not an exhaustive list):

• Medical assistant
• Emergency medical technician (EMT)
• Paramedic
• Medic or medical corpsman
• Peace Corps volunteer
• Lab assistant/phlebotomist
• Registered nurse
• Emergency room technician
• Surgical tech
• Certified nursing assistant (CNA)

Most students have a bachelor’s degree and about three years of healthcare experience before entering a program.
PA Matriculant Numbers 167
From the Centralized Application Service for PA Programs (CASPA)

- 8,106 applicants out of 26,768 from 25 countries matriculated into a PA program
- Overall Matriculation: 31.7%
- Average Undergraduate GPAs: 3.56 Total, 3.51 Science
- Average GREs: 59.1% Verbal, 50.5% Quantitative, 58.1% Writing
- Gender: 73.6% Female, 26.4% Male
- Underrepresented Minorities: 11.4% URM, 88.6% Asian & Non-Hispanic White

...details
Top PA Programs

according to US News and World Report

- Duke University (Durham, NC)
- University of Iowa (Iowa City, IA)
- Baylor College of Medicine (Houston, TX)
- University of Utah (Salt Lake City, UT)
- Emory University (Atlanta, GA)
- George Washington University (Washington, DC)
- University of Colorado (Aurora, CO)
- University of TX Southwestern Medical Center (Dallas, TX)
- Wake Forest University (Winston-Salem, NC)
- Drexel University (Philadelphia, PA)
The first 12 months of the program are devoted to preclinical studies, and the last 12 months to clinical experiences in primary care and the medical and surgical specialties. All courses are required. Only full-time students are admitted.

Students complete 10 rotations (eight required and two elective) and a senior seminar in year 2. Two rotations are required to take place in a medically underserved area.

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**Sample Curriculum at Duke University**

<table>
<thead>
<tr>
<th>Didactic Year</th>
<th>Fall Term</th>
<th>Winter Break</th>
<th>Spring Term</th>
<th>Summer Term</th>
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<tbody>
<tr>
<td>Aug</td>
<td>Anatomy</td>
<td>Fundamentals of Surgery</td>
<td>Patient Assessment &amp; Counseling II</td>
<td>Patient Assessment &amp; Counseling III</td>
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<tr>
<td>Sept</td>
<td>Patient Assessment &amp; Counseling I</td>
<td>Clinical Medicine I</td>
<td>Patient Assessment &amp; Counseling III</td>
<td>Patient Assessment &amp; Counseling III</td>
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<tr>
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<td>Basic Medical Science</td>
<td>Diagnostic Methods I</td>
<td>Clinical Medicine II</td>
<td>Clinical Medicine III</td>
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<tr>
<td>Nov</td>
<td>Physiology</td>
<td>Diagnostic Methods II</td>
<td>Diagnostic Methods II</td>
<td>Diagnostic Methods III</td>
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<tr>
<td>Dec</td>
<td>Pharmacology I</td>
<td>Pharmacology II</td>
<td>Practice &amp; the Health System</td>
<td>Pharmacology III</td>
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<td></td>
<td>Evidence-Based Practice I</td>
<td>Prevention &amp; Population Health</td>
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<thead>
<tr>
<th>Clinical Year</th>
<th>Emergency Medicine</th>
<th>Internal Medicine</th>
<th>Fall Break</th>
<th>Women’s Health</th>
<th>Pediatrics</th>
<th>Winter Break</th>
<th>Primary Care</th>
<th>Behavioral Medicine</th>
<th>Evidence Based Practice II</th>
<th>Spring Break</th>
<th>General Surgery</th>
<th>Elective I</th>
<th>Elective II</th>
<th>Senior Seminar</th>
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[cfm.duke.edu/duke-physician-assistant-program/curriculum/clinical](cfm.duke.edu/duke-physician-assistant-program/curriculum/clinical)
5 Tips for Getting Into PA School

1. Prepare early: *find your program*, get clinical experience, keep up your GPA.
2. Get involved in extracurricular activities
3. Choose your undergrad classes wisely
4. Work in the summer: do research, take medical mission trips, be a medical or ER scribe
5. Find mentors

...details

https://www.aapa.org/news-central/2014/06/5-tips-for-getting-into-pa-school/
Additional Information and Resources

Physician Assistant Education Association : paeaonline.org

PA Focus: pafocus.org/

The Physician Assistant Life blog: thepalife.com/

American Academy of Physician Assistants: AAPA.org

Overview of PA Career: explorehealthcareers.org/en/Career/19/Physician_Assistant

Centralized Application Service for PAs (CASPA): paeaonline.org/ caspa/

PA Program Directory: directory.paeaonline.org/