

Overview of Pharmacy Residency and Fellowship Training

This resource summarizes general information about pharmacy residency and fellowship postgraduate training options for prospective candidates.

Topics	Pharmacy residency	Pharmacy fellowship
Description	Direct, organized, postdoctoral training in a defined area of pharmacy practice	Direct, highly individualized, postdoctoral training with an emphasis in pharmacy-based research and/or education
Program types/settings	<ul style="list-style-type: none"> PGY-1 pharmacy: health system setting PGY-1 community-based pharmacy: community-based setting PGY-1 managed care pharmacy: health plan or pharmacy benefits manager setting PGY-2 programs: various settings and specialties, including all of the above <p>ASHP Residency Directory</p>	<ul style="list-style-type: none"> Pharmaceutical industry, such as: <ul style="list-style-type: none"> Medical affairs and medical strategy Clinical science, development, and operations Regulatory affairs Clinical research and Academia Ambulatory care Infectious diseases/antimicrobial stewardship Clinical pharmacogenomics Clinical pharmacology Marketing agencies Association management <p>ACCP Fellowship Directory</p>
Duration	<ul style="list-style-type: none"> PGY-1: one year PGY-2: one year after completion of PGY-1 PGY-1/2 combined programs: two years 	<ul style="list-style-type: none"> One, two, or three years Some fellowship programs may require completion of a PGY-1 residency or equivalent practice experience prior to entering
Accreditation	<ul style="list-style-type: none"> PGY-1 pharmacy: ASHP PGY-1 community-based pharmacy: APhA/ASHP PGY1 managed care pharmacy: AMCP/ASHP <p>Current Accreditation Standards</p>	No accrediting body or accreditation process (peer reviews are available through ACCP)
Examples of positions obtained after training	<ul style="list-style-type: none"> Ambulatory care pharmacist Managed care pharmacist Community pharmacist Acute care pharmacist Clinical pharmacy specialist in critical care, emergency medicine, oncology, cardiology, pediatrics, or medication-use safety and Policy Assistant/associate director of pharmacy Clinical track faculty 	<ul style="list-style-type: none"> Clinical researcher Clinical or tenure track faculty Industry pharmacist in medical affairs, clinical development, marketing, pharmacovigilance, regulatory affairs, or health economics and research Drug information specialist Operations specialist Clinical pharmacy specialist Policy and advocacy pharmacist Association management staff
Applicant acceptance rate	<p>Relative competitiveness for residency and fellowship programs varies from year to year. In general, the ratio of applicants to available positions is high for both fellowships and residencies. Fellowships tend to have a greater proportion of applicants to available positions. For the most recent accredited residency match rates, please visit ASHP's Match statistics page.</p>	

Average annual salary	\$40,000–\$60,000 +/- ancillary benefits (varies between programs and years)	
Additional resources	<ul style="list-style-type: none"> • ASHP pharmacy residency information • AMCP managed care pharmacy residency information • APhA community-based residency information • PhORCAS residency application 	<ul style="list-style-type: none"> • IPhO industry pharmacists fellowship catalog • ACCP clinical pharmacy fellowship directory • AMCP managed care pharmacy fellowship resource center • FellowMatch fellowship application • SIDP infectious diseases fellowship listing • National and state pharmacy association websites
<p>General application timeline: Residency / Fellowship</p> <p><i>(Application timelines may vary for fellowship programs and non-accredited residency programs; see individual program for details)</i></p> <p>Key: ACCP: American College of Clinical Pharmacy; AMCP: Academy of Managed Care Pharmacy; APhA: American Pharmacists Association; ASHP: American Society of Health-System Pharmacists; GRE: Graduate Record Examinations; IPhO: Industry Pharmacists Organization; PhORCAS: Pharmacy Online Residency Centralized Application Service; PPS: Personnel Placement Service; SIDP: Society of Infectious Diseases Pharmacists</p> <p>Resource developed by the 2021–2022 APhA-APPM Pharmacy Residency Standing Committee</p> <p>Acknowledgements: Authors and contributors of this resource include Leanne Allas, PharmD; Phyllisa Best, PharmD; Ranella Coffman, PharmD; Brigid Groves, PharmD, MS; Angela Li, PharmD; Molly A. Nichols, PharmD, MATS; Sharmi Patel, PharmD, MBA; Jordan Rowe, PharmD, BCACP, BC-ADM; Regann Rutschilling, PharmD; Paria Sanaty Zadeh, PharmD; Jessica Schrader, PharmD; Bailey Scism, PharmD; Edwin Shamtob, PharmD; Sally Sun, PharmD; Evan Young, PharmD, BC-ADM.</p>	<p>August:</p> <ul style="list-style-type: none"> • Research ASHP residency directory • Identify reference letter writers • Create and/or update curriculum vitae (CV) <p>September:</p> <ul style="list-style-type: none"> • Identify programs of interest • Start cover letter and/or letter of intent <p>October:</p> <ul style="list-style-type: none"> • Register for ASHP Midyear Clinical Meeting or local residency showcase (optional) <p>November:</p> <ul style="list-style-type: none"> • Register for PhORCAS and the Match • Finalize PhORCAS portfolio <p>December:</p> <ul style="list-style-type: none"> • Attend ASHP Midyear Clinical Meeting and visit programs at the residency showcase (optional) • Disseminate materials and program information to reference writers • Upload all data to PhORCAS and submit applications to selected residency programs <p>January:</p> <ul style="list-style-type: none"> • Programs send out interview invitations • Schedule and complete interviews <p>February:</p> <ul style="list-style-type: none"> • Rank programs in the Match and submit for Phase I <p>March:</p> <ul style="list-style-type: none"> • Match results released • Participate in Phase II of the Match as needed <p>April:</p> <ul style="list-style-type: none"> • Complete paperwork with program that you matched with 	<p>August–September:</p> <ul style="list-style-type: none"> • Review organizational websites, brochures, and fellowship directories for program details • Identify reference letter writers • Create and/or update CV • Identify programs of interest • Supply reference letter writers with instructions on how to submit letters based on specific fellowship program • For academia fellowships: take admissions exams such as the GRE and complete other graduate program requirements, as applicable • Start cover letter and/or letter of intent • Apply as soon as possible (some applications open as early as mid-September—this varies) <p>October–November:</p> <ul style="list-style-type: none"> • Submit applications to fellowship programs of interest, based on application open dates and deadlines • Programs send out interview invitations <p>December–January:</p> <ul style="list-style-type: none"> • Submit applications to fellowship programs of interest, for those with later deadlines • Programs send fellowship offers (some may send offers sooner, especially if not participating in ASHP PPS) <p>February–Summer:</p> <ul style="list-style-type: none"> • Fellowship applications, interviews, and offers may continue based on specific program timelines and open candidate positions • Complete paperwork with program that you will be entering