

# Veteran Affairs Providence Healthcare System

ASHP Accredited

## Pharmacy Residency Programs

PGY-1 Pharmacy (3)

PGY-2 Ambulatory Care (1)

PGY-2 Psychiatric (1)



### **Residency Program History**

The Veteran Affairs Providence Healthcare System (VAPHS) residency program was established in 1994. In 2007 the PGY-2 Ambulatory Care Pharmacy program and the PGY-1 Pharmacy program were established to provide more residency training opportunities to today's pharmacy graduates. In 2013 a PGY-2 Psychiatric Pharmacy Residency and an additional PGY-1 Pharmacy Residency were added. All PGY-1 and PGY-2 residency programs at VAPHS are accredited by ASHP.



VAPHS is a 106-bed general medicine and surgical teaching hospital, which provides comprehensive patient care. The medical center provides all major diagnostic and treatment specialties, including comprehensive inpatient and outpatient psychiatric services. The outpatient ambulatory care clinics support over 150,000 patient-visits per year in more than 32 primary and specialty care clinics. VAPHS also serves as a teaching facility for The Warren Alpert Medical School of Brown University, University of Rhode Island College of Pharmacy, and the MCPHS University School of Pharmacy.

### **The Pharmacy Service**

The pharmacy service features a department consisting of 65 full time employees, which includes 34.5 pharmacists, 19 pharmacy technicians, 1 administrative officer, and 7 intermittent positions. Currently, there are 14 clinical pharmacy specialists practicing in ambulatory care and psychiatry. There are also 7 trainees, including 5 residents (2 PGY-1 residents and 3 PGY-2 residents) and 2 antimicrobial stewardship fellows. The inpatient pharmacy provides hospital-wide unit dose and intravenous admixture services. The outpatient pharmacy provides over 1.3 million 30-day-equivalent prescriptions to over 30,000 Veterans per year. Both the inpatient and outpatient pharmacies utilize automated dispensing technologies wherever possible including the Pyxis and Script Pro systems, as well as a comprehensive electronic medical record.

### **The Clinical Pharmacy Service**

In addition to traditional clinical pharmacy services, there has been a concentrated effort to offer advanced clinical pharmacy practice services in the ambulatory care setting. All the clinical pharmacy specialists at VAPHS work under an advanced scope of practice that includes disease-specific prescribing authority. These pharmacists are embedded in primary care's Patient Aligned Care Teams (patient centered medical home model) and focus on disease state management. Pharmacist-managed clinics include metabolic (ambulatory care), smoking cessation, psychiatry, anticoagulation, direct oral anticoagulant, women's health, and heart failure, in addition to the traditional pharmacy consult clinic. Other responsibilities include drug information, patient education, drug usage evaluations, and formulary management. Residency rotations are also available with the University of Rhode Island College of Pharmacy faculty who have teaching sites at VAPHS.

## **The City of Providence**

Providence is the capital city of Rhode Island, also known as the “Ocean State.” As the “creative capital,” Providence offers a thriving arts community, vibrant and diverse neighborhoods, a renowned restaurant scene, and a rich historical background. Boston is an hour away, and New York City is easily accessible. For outdoor enthusiasts, Rhode Islanders enjoy beautiful beaches, numerous parks, hiking trails, biking paths, kayaking and boating opportunities. For more information visit: <http://www.goprovidence.com>.

## **Overview of the PGY-1 Pharmacy Practice Residencies**

PGY1 pharmacy residency programs build on Doctor of Pharmacy (Pharm.D.) education to contribute to the development of clinical pharmacists responsible for medication-related care of patients with a wide range of conditions, eligible for board certification, and eligible for postgraduate year two (PGY2) pharmacy residency training.

### **Outcome Competencies:**

- Managing and improving the medication use process
- Providing evidence-based, patient centered medication therapy management with interdisciplinary teams
- Exercising leadership and practice management
- Demonstrating project management skills
- Providing medication and practice-related education/training
- Utilizing medical informatics

### **Objectives of the PGY-1 Pharmacy Residency Program:**

- Function as a highly competent pharmacy generalist who can function in multiple roles within a pharmacy system
- Participate in medication use evaluation and drug policy development
- Evaluate a patient’s medical record and medication profile and obtain information needed to make pharmaceutical care assessments
- Effectively communicate in both verbal and written modalities to patients and other health care professionals
- Develop educational tools designed to optimize patient understanding and medication use
- Enhance communication skills through continuing education program presentations

In addition, the resident will complete the following:

- Research/Quality Improvement Project
  - Background preparation, protocol design, data collection, and analysis of data
  - Written manuscript suitable for submission to a professional journal
  - Presentation at the Eastern States Residency Conference
- Drug monograph/drug information project(s)
- Pharmacy in-service presentations and continuing education lectures
- At least one lecture in therapeutics at University of Rhode Island College of Pharmacy

## **PGY-1 Pharmacy Residency Required Rotations:**

### **Ambulatory Care Track: Match code # 146113**

- Orientation/Training (1 week)
- Inpatient Pharmacy/Outpatient Pharmacy Operations (4 weeks)
- Administrative (3 weeks)
- Ambulatory Care I (4 weeks)
- Ambulatory Care II (4 weeks)
- Ambulatory Care III (4 weeks)
- Internal Medicine (6 weeks)
- Drug Information (4 weeks)
- Specialty Block: pain, anticoagulation, women's health, neurology (4 weeks)
- Physician Elective Block: pulmonary, cardiology, rheumatology (4 weeks)
- 2 out of the following 3 options: (6 weeks)
  - Advanced Cardiology
  - Antimicrobial Stewardship
  - Psychiatry (inpatient/outpatient)

### **Psychiatry Track: Match code # 146121**

- Orientation/Training (1 week)
- Inpatient Pharmacy/Outpatient Pharmacy Operations (4 weeks)
- Administrative (3 weeks)
- Ambulatory Care (6 weeks)
- Psychiatry (inpatient) (6 weeks)
- Psychiatry (outpatient) (6 weeks)
- Internal Medicine (6 weeks)
- Drug Information (4 weeks)
- Specialty Block: pain, anticoagulation, women's health, neurology (4 weeks)
- Physician Elective Block: pulmonary, cardiology, rheumatology (4 weeks)
- 1 out of the following 2 options: (6 weeks)
  - Advanced Cardiology
  - Antimicrobial Stewardship

### **Longitudinal Responsibilities:**

- Ambulatory care patient panel
- Home-Based Primary Care (HBPC) chart reviews/home visits
- Anticoagulation warfarin management
- Research/Quality Improvement project
- Administrative projects
- Quarterly pharmacy newsletter
- Teaching certificate program

### **Teaching Opportunities**

Providing the pharmacy resident with opportunities to teach is a primary objective of the VA residency programs. The pharmacy service provides clinical and institutional clerkships for Pharm.D. students from the University of Rhode Island College of Pharmacy (URI) and the MCPHS University School of Pharmacy – Boston and Worcester campuses. Additionally, residents contribute to the ASHP teaching mission with lectures to Pharm.D. students as well as presentations to the VAPHS pharmacy, medical, and nursing staff. The residency program participates in a formal teaching certificate program through URI.

### **Service Commitment**

All PGY-1 residents have a service commitment designed to ensure that they gain experience and can function as a pharmacy generalist. To achieve this objective, residents are scheduled approximately 8 to 16 hours per month (one to two weekend days per month) in a VAPHS inpatient pharmacy setting and are expected to perform as a patient care pharmacist or as an operations pharmacist under the guidance of a supervising pharmacist.

### **PGY-2 Early Option**

For PGY-1 residents at VAPHS who want to complete a second year of residency training, early acceptance into either the PGY-2 Ambulatory Care or Psychiatric Pharmacy Residency may be considered during the late fall as an option. Those residents accepted for early admission to the PGY-2 program will NOT participate in the ASHP Match program.

## **Overview of the PGY-2 Ambulatory Care Pharmacy Residency Program**

PGY2 pharmacy residency programs build on Doctor of Pharmacy (Pharm.D.) education and PGY1 pharmacy residency programs to contribute to the development of clinical pharmacists in specialized areas of practice. PGY2 residencies provide residents with opportunities to function independently as practitioners by conceptualizing and integrating accumulated experience and knowledge and incorporating both into the provision of patient care or other advanced practice settings. Residents who successfully complete an accredited PGY2 pharmacy residency are prepared for advanced patient care, academic, or other specialized positions, along with board certification, if available.

Rotations are made up of 5 nine-week blocks in varying ambulatory care clinics, rotating with different preceptors/patient-aligned care teams, with 1 six-week block being conducted in a Community Based Outpatient Clinic (CBOC).

The potential settings include:

**Pharmacist Directed:** • Primary Care (Patient-Aligned Care Teams) • Anticoagulation • Direct Oral Anticoagulant • Smoking Cessation • Women's Health • Heart Failure • Psychiatry • Home-Based Primary Care • Dialysis • Interdisciplinary Pain • Neurology (general, multiple sclerosis, movement disorders)

**Physician Directed:** • Endocrinology • Neurology • Women's Health • Pulmonary • Hematology • Cardiology • HIV/Infectious Disease

Ongoing activities include working on special projects for the Pharmacy & Therapeutics Committee, participating in research projects, precepting PGY-1 Pharmacy residents and pharmacy APPE student, and other teaching and lecturing activities.

### **Objectives of the PGY-2 Ambulatory Care Residency Program:**

The objective of the specialty residency program is to provide the PGY-2 Ambulatory Care Pharmacy Resident with opportunities to complete the following:

- Improve skills necessary to function independently as a clinical pharmacy specialist in a primary/ambulatory care setting
- Identify, resolve, and prevent drug related problems through the use of patient interview, physical assessment, patient observation, and medical profile review
- Evaluate a patient's medical record and medication profile, and obtain information needed to make primary care assessments
- Improve continuity of care by promoting interdisciplinary communication and cooperation for the optimal care of patients

In addition, the resident will complete the following:

- Research/Quality Improvement Project
  - Background preparation, protocol design, data collection, and analysis of data
  - Written manuscript suitable for submission to a professional journal
  - Presentation at the Eastern States Residency Conference
- An administrative project
- Pharmacy in-service presentations and continuing education lectures

**PGY-2 Ambulatory Care: Match code # 571765**

- Orientation/Training (1 week)
- Ambulatory Care I (~9 weeks)
- Ambulatory Care II (~9 weeks)
- Ambulatory Care III (~9 weeks)
- Ambulatory Care IV (~9 weeks)
- Ambulatory Care V (~9 weeks)
- CBOC (6 weeks)
- Anticoagulation Longitudinal
- Ambulatory Care Longitudinal
- Major Project Longitudinal
- Practice Management Longitudinal

**Longitudinal Responsibilities:**

- Ambulatory care patient panel
- Home-Based Primary Care (HBPC) chart reviews/home visits
- Anticoagulation warfarin management
- Research project – to be approved by the Institutional Review Board (IRB)
- Administrative projects
- Quarterly pharmacy newsletter

**Teaching Opportunities**

Providing the pharmacy resident with opportunities to teach is a primary objective of the VA residency programs. The pharmacy service provides clinical and institutional clerkships for Pharm.D. students from the University of Rhode Island College of Pharmacy (URI) and the MCPHS University School of Pharmacy – Boston and Worcester campuses. Additionally, residents contribute to the ASHP teaching mission with lectures to Pharm.D. students as well as presentations to the VAPHS pharmacy, medical, and nursing staff.

## **Overview of the PGY-2 Psychiatric Pharmacy Residency Program**

PGY2 pharmacy residency programs build on Doctor of Pharmacy (Pharm.D.) education and PGY1 pharmacy residency programs to contribute to the development of clinical pharmacists in specialized areas of practice. PGY2 residencies provide residents with opportunities to function independently as practitioners by conceptualizing and integrating accumulated experience and knowledge and incorporating both into the provision of patient care or other advanced practice settings. Residents who successfully complete an accredited PGY2 pharmacy residency are prepared for advanced patient care, academic, or other specialized positions, along with board certification, if available.

This program is also listed on the College of Psychiatric and Neurologic Pharmacists (CPNP) residency directory website <https://cpnp.org/career/residencies?program=501056>.

The potential settings include:

**Pharmacist Directed:** • Outpatient Psychiatry • Mental Health Pharmacy Consult • Neurology (general, multiple sclerosis, movement disorders) • Academia • Outpatient Addiction Recovery Services • PTSD/Returning Veterans Clinic

**Psychiatrist/Neurologist Directed:** • Neurology (general, multiple sclerosis, movement disorders) • Outpatient Addiction Recovery Services • PTSD/Returning Veterans Clinic • Homeless Veterans Clinic • Primary Care Mental Health

**Interprofessional Teams:** • Inpatient Psychiatry • Clozapine Clinic • Suboxone Clinic • Methadone Clinic • ALS/Spinal Cord Injury • Traumatic Brain Injury

**Other ongoing activities include:** • Answering drug information questions • Completing mental health pharmacy e-consults • Completing a medication use evaluation • Assisting in an advance neuropsychiatry elective course at the University of Rhode Island College of Pharmacy (URI) • Co-precepting URI pharmacy students on psychiatry rotation at the Providence VA Medical Center • Providing in-services and teaching to healthcare professionals and Veterans

**Research/Quality Improvement Project:** • Background preparation, protocol design, data collection, and analysis of data • Written manuscript suitable for submission to a professional journal • Poster presentation at the College of Psychiatric and Neurologic Pharmacists Annual Meeting

**Inter-residency Education:** Partnering with residents and preceptors at the VA Connecticut Healthcare System, VA Boston Healthcare System, and Yale/New Haven Hospital for weekly educational topic discussions, journal clubs, and case presentations across a variety of disease states and psychiatric pharmacy issues. These discussions provide excellent preparation for the BCPP examination.

### **Objectives of the PGY-2 Psychiatric Pharmacy Residency Program:**

The objectives of the specialty residency program are to provide the PGY-2 Psychiatric Pharmacy Resident with an opportunity to complete the following:

- Improve the skills necessary to function independently as a clinical pharmacy specialist in psychiatry
- Provide experiences in neurology that are essential for a psychiatric pharmacy specialist
- Identify, resolve, and prevent medication related problems through the use of patient interview, psychiatric assessment, and medical profile review
- Improve continuity of care and optimize patient outcomes through interprofessional communication and collaboration

## **Residency Program Benefits**

Approximate Resident Stipend: PGY-1: \$46,480      PGY-2: \$50,353

Vacation: Vacation time will accrue at a rate of four (4) hours per pay period (26 pay periods per year) for a total of thirteen (13) paid vacation days

Holidays: Ten (10) paid holidays

Required Conference Attendance:

- Residents will attend the Midyear Clinical Meeting
- PGY-1 residents and PGY-2 Ambulatory Care resident will attend the Eastern States Conference
- PGY-2 Psychiatric Pharmacy Resident will attend the College of Psychiatric and Neurologic Pharmacists (CPNP) Annual Conference

Sick Leave: Sick time will accrue at the rate of 4 hours per pay period for a maximum of 13 sick days

Health Insurance: Available on a group rate basis

Parking: Free

## **Additional Benefits**

Job openings within the VA after graduation are plentiful across the country, many of which are at the clinical pharmacy specialist or supervisory levels.

## **Qualifications**

- Be a citizen of the United States
- Have received a Doctor of Pharmacy degree from an ACPE accredited college of pharmacy or a Bachelor of Science degree in Pharmacy with equivalent experience for the PGY-1 Pharmacy Residency
- Have completed a PGY-1 residency or have equivalent experience for the PGY-2 residencies in ambulatory care pharmacy and psychiatric pharmacy
- Have/obtain a current license to practice as a registered pharmacist in any state

## **Application Requirements – All documents should be submitted to PHORCAS by assigned date**

- Residency application form
- Letter of intent describing goals/reasons for pursuing advanced residency training in pharmacy, ambulatory care pharmacy, or psychiatric pharmacy
- Official college of pharmacy transcript
- Three letters of recommendation
- Curriculum vitae

**NOTE: Applicants for the PGY-1 and PGY-2 residencies MUST participate in the ASHP Match Program**

## **Inquiries & Contact Information**

Inquiries or questions regarding the PGY-1 Pharmacy and PGY-2 Ambulatory Care Pharmacy residency programs can be made to the residency program director:

**Carol Botelho, Pharm.D., BCACP, BCGP**  
**Providence VAMC, Pharmacy Service (119)**  
**830 Chalkstone Avenue**  
**Providence, RI 02908**  
[Carol.Botelho@va.gov](mailto:Carol.Botelho@va.gov)

Inquiries or questions regarding the PGY-2 Psychiatric Pharmacy residency program can be made to the residency program director:

**Cristofer Price, Pharm.D., BCPP**  
**Providence VAMC, Pharmacy Service (119)**  
**830 Chalkstone Avenue**  
**Providence, RI 02908**  
[Cristofer.Price@va.gov](mailto:Cristofer.Price@va.gov)