



Iowa City VA Medical Center PGY-1 Pharmacy Practice Residency Program

Intended Outcomes

Residents completing the Iowa City VA PGY 1 Pharmacy Practice Residency are responsible for acquiring these outcome competencies as outlined by ASHP:

1. Manage and improve the medication-use-process
2. Function as a member of a health care team by providing evidence-based, patient-centered medication therapy
3. Exercise leadership and practice management
4. Demonstrate project management skills
5. Provide medication and practice-related education/training
6. Utilize medical informatics

Purpose

The Iowa City VA Medical Center PGY 1-Pharmacy Practice Residency provides the pharmacy resident with a challenging and comprehensive program to improve clinical, educational, research, and practice management skills. The program will develop the resident's ability to transform accumulated knowledge and clinical experience into improved patient care.

The residency focus is in ambulatory care with longitudinal experiences in anticoagulation clinic, lipid clinic, geriatrics, medication management, and primary care practice.

Residents will have the opportunity to gain inpatient experience in the areas of psychiatry, general medicine, surgery, and acute care. Besides their clinical activities, residents will participate in patient and staff education, present formal lectures and case discussions, and precept University of Iowa pharmacy clerkship students. In addition, residents will conduct a research project, present the results, and produce a manuscript suitable for publication.

Preceptors, Support Staff, and Current Residents

Primary Preceptors:

Heather Bream-Rouwenhorst, Pharm.D., BCPS

Matt Cantrell, Pharm.D

Jason Egge, Pharm.D., BCPS

Doug Geraets, Pharm.D., FCCP

Amy Hetrick, Pharm.D.

Laurel Janney, Pharm.D., BCPS

Shella Johnson, Pharm.D.

Yvonne D. Koch, Pharm. D.

Kathy Rinehart, Pharm.D.

Robert Shaw, Pharm.D., MPH, BCPS, BCNSP

Teri Swenson, Pharm.D.

Karla Turney, Pharm.D.

Nancee Waterbury, Pharm.D.

Support Staff:

Dawn Clermont, Chief of Pharmacy Program Assistant
Emily Peterson, Anticoagulation Program Support Assistant
Shellie Schwerts, Anticoagulation Health Technician
Cathlene Bryant, Anticoagulation Health Technician
Cheri Smith-Rossetti, IRM/Drug Accountability
Mary Slay, Supply/Procurement Technician

Current Residents:

Heather Heit Pharm.D. Heather.Heit@va.gov
Audrey Housel Pharm.D. Audrey.Housel@va.gov
Amy Martin, Pharm.D. Amy.Martin5@va.gov

General Information

Appointment Period: Twelve months from July 1, 2009 through June 30, 2010.

Salary: \$38,257 per annum.

Benefits: Federal Employee health benefits and group life insurance. Up to 13 vacation days and 13 sick days, all federal government holidays, continuing education opportunities, and partial travel funds.

Administrative Leave: Residents are eligible for administrative leave to attend conventions and professional meetings including (but not limited to) the ASHP Midyear Clinical Meeting and Midwest Pharmacy Resident's Conference. Residents earn annual and sick leave at a rate of four hours per pay period.

Program Design

The program will mirror the activities of a clinical pharmacy specialist. The one-year residency program is divided into four blocks of time including a 4-week orientation period. During these blocks, the resident will be involved in the following areas.

Residents will be required to participate in the following activities:

- Longitudinal experiences extending throughout the year
 - Anticoagulation
 - Drug Information
 - Geriatric Clinic
 - Inpatient Weekend Staffing
 - Lipid Clinic
 - Medication Management
 - Practice Management
 - Primary Care Clinic (quarter 3 and 4)
 - Residency Project Development
- Inpatient Psychiatry (4 weeks duration) during the second, third, or fourth quarter
- College of Pharmacy Teaching Experience (CPS) during the third and fourth quarter
- Two elective rotations of 3-8 weeks in duration during the second, third, or fourth quarter
 - Specific areas of practice to be selected by each resident
- Presentation experience
 - Geriatric Grand Rounds
 - Johnson County Pharmacy Association CE
 - Midwest Pharmacy Residents Conference (MPRC)
 - Staff development
 - University of Iowa Research Achievement Day
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July Orientation (4 weeks)	Aug – Oct Transitional (13 weeks)	Oct – Jan Rotations/Electives (13 weeks)	Feb – June Rotations/Electives (22 weeks)
<ul style="list-style-type: none"> ▪ Computer Training ▪ Inpatient pharmacy orientation ▪ Longitudinal Experiences Orientation ▪ New Employee Orientation ▪ Outpatient Pharmacy Orientation ▪ Project Advisory Board Meetings ▪ Required Training Modules ▪ Residency Orientation Interests/Preference/Skill Assessment ▪ Residency Topic Discussions 	<ul style="list-style-type: none"> ▪ Anticoagulation Discussion Series ▪ Inpatient Staffing every 3rd weekend (starting in September) ▪ JCPA Presentation preparation ▪ Longitudinal Experience Clinic Participation ▪ NLA Meeting ▪ Project Advisory Board Meetings ▪ Residency Topic Discussions 	<ul style="list-style-type: none"> ▪ ACCP Annual meeting ▪ ASHP Midyear ▪ Diabetes Discussion Series ▪ Elective (1st) ▪ JCPA Presentations ▪ Longitudinal Experience Clinic Participation (Start Primary Care in Jan) ▪ Project Advisory Board Meetings ▪ Psychiatry (4 weeks) ▪ Residency Topic Discussions ▪ Staff Development ▪ Residency Candidate Interviews (Start in January) 	<ul style="list-style-type: none"> ▪ COP Research Achievement Day ▪ COP Teaching (CPS/PPL) ▪ Diabetes Discussion Series cont. ▪ Elective (2nd) ▪ JCPA Presentations ▪ Longitudinal Experience Clinic Participation ▪ MPRC ▪ Precept Pharmacy Students ▪ Project Advisory Board Meetings ▪ Psychiatry (4 weeks) ▪ Staff Development ▪ Residency Topic Discussions ▪ Residency Candidate Interviews (through March)

Required Learning Experiences

Anticoagulation Clinic

Anticoagulation Clinic is a required learning experience for the PGY 1 pharmacy resident. The experience involves the provision of direct patient care for patients consulted to and followed by the Anticoagulation Clinic. The resident is scheduled in Anticoagulation Clinic 1-2 days a week depending on experience and progress of training. The resident is responsible for providing anticoagulation management under the supervision of a clinical pharmacy staff provider. Knowledge of warfarin and low molecular weight heparin, thromboembolism, atrial fibrillation, heart valve replacements, vascular disease, and ischemic heart disease are important in this setting.

College of Pharmacy Teaching Experience

Clinical Practice Skills (CPS) III is the final course in a series of courses designed to help students develop their knowledge of therapeutics and problem solving skills needed to provide effective, safe, and cost-effective drug therapy to patients. Residents will

use case-based teaching methods to help students develop the skills and attitudes necessary for pharmacists to provide effective, safe and cost-effective drug therapy to patients. Residents will facilitate discussions including a review of the disorder, therapeutic goals, treatment plans, patient counseling and monitoring patient outcomes.

Drug Information

Residents are expected to provide responses to drug information questions through: (1) verbal clinical interactions; (2) formal written responses/publications; and (3) oral presentations. Good oral and written communication skills, knowledge of literature search methods, and literature evaluation skills are important and will be evaluated when completing these activities.

Geriatric Clinic

Geriatric Evaluation Clinic is a required learning experience for the PGY 1 pharmacy resident. The experience involves the provision of direct patient care for patients in the geriatric clinic. This is a longitudinal experience in which the resident spends up to one half day per week throughout the year in the geriatric evaluation clinic with a multidisciplinary team of providers including a geriatrician, nurse practitioner, social worker, medical residents and medical students. The resident is responsible for working with the team to identify, prevent, and resolve medication therapy issues for patients in this clinic. Good communication, interpersonal skills, and knowledge of the geriatric population are important in this setting.

Inpatient Psychiatry

The inpatient psychiatry experience is a required 3-4 week rotation for the PGY 1 pharmacy resident. Residents will see 8 to 11 patients daily during the rotation. They perform admission, medication reconciliation, concurrent, and discharge profile review for drug-related problems. The resident interacts with psychiatry residents, medical students, nursing personnel, and staff psychiatrist. They are responsible for discharge medication counseling. During the rotation they attend daily morning report, new patient staffing, and weekly review rounds. The residents meet daily with preceptor to review patient's pharmacotherapy. Topics on general psychopharmacology during the rotation are reviewed. Residents are responsible for assessing psychotropic non-formulary requests and supra-therapeutic psychotropic drug levels.

Inpatient Weekend Staffing

This experience will provide residents the opportunity to interact with inpatient teams and staff in an effort to improve patient care. Residents will rotate every third weekend starting September 6th. Staffing hours will be Saturday and Sunday from 8 until all responsibilities are complete. All residents will receive the following weekends off from staffing: Thanksgiving (Nov 28-29), Christmas (Dec 26-27), New Years (January 2-3), and Memorial Day (29-30), and any weekend where all residents are attending a professional pharmacy meeting/conference. Residents will be allowed to switch weekends if necessary to accommodate personal needs.

Lipid Clinic

Lipid Clinic is a required longitudinal learning experience for the PGY 1 pharmacy resident. The experience involves the provision of direct patient care for patients consulted to and followed by the Lipid Clinic. The resident spends the morning of the first and third Wednesday or the second and fourth Thursday of each month in the lipid clinic. The resident is responsible for providing comprehensive lipid management under the supervision of a clinical pharmacy staff provider. Knowledge of cholesterol lowering medications, assessment of coronary heart disease (CHD) risk factors, CHD and related disease states, and diabetes are important in the setting.

Medication Management

Medication Management Service is a required longitudinal learning experience for the PGY 1 pharmacy resident. After orientation, the resident is scheduled in Medication Management Service 1-2 days a week depending on experience and progress of training. The resident is responsible for completing their responsibilities in an appropriate time frame under the supervision of a clinical pharmacy staff provider. Knowledge of VA formulary, VA drug policies and procedures, and therapeutic guidelines are important in this setting.

Practice Management

Practice Management is a required learning experience of the PGY 1 Pharmacy Practice Residency. This learning experience provides the resident with skills to function as a health care professional, follow and develop pharmacy policy and procedure, and improve management skills. The resident will work with pharmacy supervisors and coordinators throughout the year. The resident will also be expected to participate in various meetings and committees.

Primary Care Clinic Focus in Behavioral Health

Primary Care Behavior Health Clinic is a required learning experience for the PGY 1 pharmacy resident. Each resident will be assigned 1/2 day per week in clinic. Residents are expected to work with the health care team providing care and follow-up for those veterans with depression and anxiety and monitor patients for adverse drug events and drug-induced exacerbations of underlying medical conditions. Opportunities for interventions related to chronic disease state management also exist.

Project Development

Each resident is required to design and execute an investigational project. Findings from this project will be presented at the Midwest Pharmacy Residents Conference (MPRC) and at the University of Iowa College of Pharmacy Research Day in the spring. Conclusions from this project will then be summarized in a manuscript suitable for publication.

PGY1 PHARMACY RESIDENCY APPLICATION PROCEDURES

Please submit a letter of intent, curriculum vitae, official copy of your college of pharmacy transcript, and a writing sample.

The curriculum vitae should be current and include:

- present address and zip code; telephone number; Email address
- college education, including dates of attendance and degrees with dates received
- work experience within the past five years, including name and address of employer, type of work and dates of employment
- clinical clerkships rotations you have completed
- teaching experience
- service to community
- membership in student and professional organizations (including any offices held)
- awards or honors received
- publications and projects
- states in which you are licensed to practice pharmacy (if applicable)

The writing sample should be a minimum of 2 pages. Please submit one of the following:

- response to a drug information question
- drug review/monograph
- case write-up/review
- college of pharmacy portfolio reflection

In addition, submit the names of three individuals, including their professional titles, email address, and telephone number. *The residency coordinator will contact these individuals* to obtain letters of support for your application.

Qualified candidates will need to be licensed pharmacists with a Doctor of Pharmacy degree or other equivalent advanced pharmacy degree with clinical emphasis by August 1. Iowa licensure is *not* required. Applicants must be a U.S. citizen.

Application Deadline: January 12, 2009

Send all application materials to the residency program coordinator. Personal interviews are required.

For further information, address all correspondence to:

Nancee Waterbury, Pharm.D.
Residency Program Coordinator
Pharmacy Service (119)
VA Medical Center
Iowa City, IA 52246-2208



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