



PGY1 -Pharmacy Residency

Internet site: www.uwhealth.org
 (search “pharmacy practice residency”)

Number of Positions: 4
 Application Deadline: **January 1**
 Starting Date: July 1
 Stipend/Benefits: \$38,500; 14 paid vacation days/holidays, 5 days sick leave. As employees of UW Hospital and Clinics, residents receive full health insurance benefits and full access to the University of Wisconsin’s recreational, educational, and cultural facilities.
 Interview Required: Yes

- STRENGTHS:**
- UW Pharmacy Department’s clinical practice model and long history of pharmacy “firsts”
 - UWHC world class centers of medical excellence
 - Extensive involvement with UW School of Pharmacy students, teaching certificate program
 - Academic medical center resources
 - Flexibility in tailoring program to needs/interests
 - Experience in progressive Center for Drug Policy
 - Longitudinal rotation in one of many ambulatory clinics with pharmacist involvement
 - “Staffing” in clinical areas rather than production
 - Department commitment to training residents and pharmacy leaders

ROTATIONS: *Pharmacy practice residents complete ten 4 week clinical rotations, a 4-week rotation in drug policy, and a yearlong experience in ambulatory care.*

| Required Rotations (4) | Elective Rotations (7) |
|---|---|
| <p>Resident selects one rotation from each group to fulfill required rotations.</p> <ul style="list-style-type: none"> • Intensive Care <ul style="list-style-type: none"> ○ Medical Surgical ICU ○ Neuro ICU (Neurology/Neurosurgery) ○ Burn ICU ○ Cardiovascular Medicine ○ Cardiovascular Surgery • Surgical <ul style="list-style-type: none"> ○ Trauma/General Surgery ○ Cardiovascular Surgery • Medical <ul style="list-style-type: none"> ○ General Adult Medicine ○ Neurology ○ Family Medicine <p>Required for all residents</p> <ul style="list-style-type: none"> • Drug information/drug policy | <ul style="list-style-type: none"> • Any of the required rotations • Abdominal transplant • Hematology/Oncology • BMT • Pediatrics general • PICU • Peds Heme/Onc/BMT • Peripheral Vascular Surgery • Gyn/Onc Surgery • Orthopedic Surgery • Rehabilitation Medicine • Pharmaceutical Research Center • Pharmacotherapy Lab • Central Operations • Hospice • Nutrition Support • Clinical Practice Management • Emergency Department • OR • Infectious Diseases • Nuclear Medicine • Psychiatry |

The primary focus of the residency is development of clinical pharmacy practitioners. Activities while on the unit include (but are not limited to):

- Collaboratively managing drug therapy with other members of the healthcare team
- Rounding with the team daily
- Admission histories (completed for all UWHC patients)
- Discharge teaching (completed for all UWHC patients)
- First-dose teaching
- Patient monitoring and documentation
- Investigation of medication error reports and patient/medication safety follow-up
- ADR reporting
- Problem solving
- Drug information, literature searches, reading and contributing to team files
- Attending codes
- Quality improvement activities, audits
- Team-related projects
- Communication and interaction with team preceptor and pharmacists
- Communication and interaction with physicians and nurses
- Precepting students (2nd and 3rd year shadow students, 4th year clerkship students)
- Instructional and patient case presentations

AMBULATORY CARE: Residents practice in a half-day ambulatory care clinic once weekly. UWHC clinics in which pharmacists practice include:

| Ambulatory Clinic Rotations |
|--|
| Hospice |
| Neurology/Epilepsy Clinic |
| Anticoagulation Clinic |
| HIV Clinic |
| Geriatrics Clinic |
| Movement Disorder Clinic |
| Psychiatry Clinic |
| Renal/Dialysis Clinic |
| Heart Failure Clinic |
| Heart Transplant Clinic |
| Lung Transplant Clinic |
| Renal/Liver/Pancreas Transplant Clinic |
| Peds Pulmonary Clinic |
| Adult Pulmonary Clinic |

DRUG POLICY/DRUG INFORMATION: Residents spend four weeks in the Center for Drug Policy sharpening drug information skills, completing projects, coordinating a medication use evaluation, writing a drug monograph, and answering drug information questions.

PHARMACEUTICAL RESEARCH CENTER:

Residents spend time with Pharmaceutical Research Center staff learning about:

- drug research
- protocol activation and management
- sponsor and federal regulations
- drug accountability
- educational tools
- human subject protection
- development and management of investigational drug services

PROJECTS: Each pharmacy practice resident completes:

- team-related projects while on clinical rotations
- at least one DUE or other smaller project
- a major research project - major projects are presented at the UHC Resident Poster Session, Great Lakes Pharmacy Resident Conference, and Pharmacy Society of Wisconsin Educational Conference

Past and present resident projects include:

- ⇒ Maximizing evidence-based use of Botulinum A Toxin at University of Wisconsin Hospital and Clinics
- ⇒ Clinical and Microbiologic Evaluation of Reduced Vancomycin Bactericidal Activity in MRSA Bacteremia
- ⇒ Evaluating Deep Vein Thrombosis Prophylaxis in Surgical Patients at an Academic Medical Center
- ⇒ Implementation of a Rapid Infusion Protocol for Rituximab at UWHC
- ⇒ System Evaluation of Inpatient Anticoagulation Practices and Identification of Gaps in the Anticoagulation Process
- ⇒ Quality Assessment of the Appropriateness of Parenteral Nutrition in Pediatric Patients
- ⇒ Evaluation of Clinical Pharmacy Services in the Emergency Department
- ⇒ Reduction of Inappropriate Continuation of Stress Ulcer Prophylaxis Medication after Removal of the Indication for Use
- ⇒ Quality and Safety Improvement in the Medication Use System for Total Nutritional Admixtures
- ⇒ Evaluation of Drug Allergies and Drug Interactions in the Inpatient Setting: Assessment of Screening Tools
- ⇒ Discharge Medication Reconciliation Program: Implementation and Evaluation of a Triplicate Discharge Form's Impact on Pharmacist and Physician Satisfaction and Workload

PRESENTATION OPPORTUNITIES:

- Formal presentation and discussion facilitation at Pharmacy Grand Rounds
- Educational presentations and inservices on clinical rotations
- Pharmacy student orientation to pharmacy services
- Leadership of journal club discussions
- Student clerkship lectures and discussions
- ASHP Midyear Clinical Meeting/UHC Resident Poster Session, Great Lakes Residency Conference, and Pharmacy Society of Wisconsin Spring Educational Meeting

TEACHING OPPORTUNITIES:

- Resident teaching certificate program at the UW School of Pharmacy for area residents
- Clinical instructor status at the University of Wisconsin School of Pharmacy
- Active preceptorship of 4th year Pharm.D. students on clinical rotation at the hospital
- Significant role in teaching 3rd year students in pharmacotherapy lab at the School of Pharmacy
- Opportunities exist to participate in didactic activities at the school

TRAVEL:

- Support to attend the ASHP Midyear Clinical Meeting
- Great Lakes Pharmacy Residents Conference
- Spring visit to other health systems and residency programs

OTHER ACTIVITIES:

- Weekly resident lunch sessions – meetings with program director, director of pharmacy, speakers discussing clinical and administrative topics
- Involvement in patient/medication safety and quality improvement programs
- Opportunity to participate as a member of a clinically-focused (patient care) committee – e.g. Pharmacy Practice, Nutrition, Patient Education, Kinetics, Pain
- Advanced Cardiac Life Support training
- Participation in resident group service projects
- Exposure to home intravenous therapy in cooperation with UW Health partner Chartwell of Wisconsin Home IV Therapy service
- Opportunities to interact with residents in the critical care, nutrition, community, administrative, and drug policy programs

UWHC INFO:

- The department manages 15 retail pharmacies, a long-term care consulting service, a rural hospital pharmacy management business, full PBM managed care services, a hospice pharmacy program, and a medication therapy management mail order program, and a pharmacy hospice management program.
- UWHC has implemented the use of automation, information technology, and bar coding at every phase of the medication use process.
- Implementation of an electronic medical record in 2008
- More information about the UWHealth system can be found at www.uwhealth.org.

PROGRAM DIRECTOR:

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