



## **PGY1 Pharmacy Residency Program**

**Purpose:** PGY1 pharmacy residency programs build on Doctor of Pharmacy (Pharm.D.) education and outcomes 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.

The PGY1 Residency Program at The Ohio State University Wexner Medical Center (OSUWMC) provides opportunities to accelerate growth beyond entry-level professional competence in patient-centered care and in pharmacy operational services, and to further the development of leadership skills that can be applied in any position and in any practice setting. PGY1 residents acquire substantial knowledge required for skillful problem solving, refine their problem-solving strategies, strengthen their professional values and attitudes, and advance the growth of their clinical judgment. The PGY1 Pharmacy Residency Program at OSUWMC is an ASHP-Accredited 12-month program that provides the resident with a broad range of clinical and practice management experiences. Experiences that are required for an ASHP-accredited residency include inpatient acute care, practice management, and the completion of at least one project. Residents are provided with a variety of rotation options and flexibility with regard to personal areas of interest. The flexibility, versatility, and adaptability of the PGY1 Pharmacy Residency Program allows each resident to design a residency specific to their areas of interest.

Residents completing the PGY1 Pharmacy Residency Program at OSUWMC will be competent, autonomous, and confident clinical pharmacists who are ready to assume a position as a clinical pharmacist, PGY2 resident, or fellow in the acute or ambulatory care setting. Additionally, the program prepares our graduating clinical pharmacists to conduct outcomes related research and provides teaching in the form of preceptorship, didactic education, and education to our patients and healthcare partners.

### **Residency Programs**

The PGY1 Pharmacy Residency is composed of five types of PGY1 pharmacy residents including: PGY1 Pharmacy Residents (PGY1), PGY1 Health-System Pharmacy Administration and Leadership Residents (HSPAL), PGY1 Specialty Pharmacy Administration and Leadership Residents (SPAL), PGY1 Investigational Drugs and Research Residents (IDR), and PGY1 Pharmacotherapy Residents (Pharmacotherapy). PGY1 residents will interact with all our PGY2 residents across OSUWMC and with residents completing a residency at The Ohio State College of Pharmacy. This provides an opportunity to be a part of a large and very diverse Pharmacy Residency Program that not only enhances your experience while at the OSUWMC, but also is the beginning of a very large network of former Ohio State residency graduates.

### **Orientation**

Orientation is a required 6-week experience during June and July. This is the time in which residents are trained in several areas within the pharmacy and participate in review sessions covering many different topics, including

policy and procedures specific to OSUWMC. PGY1, HSPAL, SPAL, IDR, and Pharmacotherapy residents will train with different pharmacists on 1<sup>st</sup> and 2<sup>nd</sup> shift and will rotate through various areas, such as the ICU satellites, the IV room, the Central Pharmacy area (University Hospital Main Campus and University Hospitals East), the Ross Heart Hospital satellite, and the James Cancer Center Hospital satellites. SPAL residents will train in OSU outpatient retail and specialty pharmacies in the month of December to prepare for their staffing there the second half of the year. During this training period, residents will become familiar with pharmacy operations, including the computer systems, and will interact with staff. Daily clinical review sessions will cover a range of topics such as: pharmacokinetics, nutrition support, and emergency response.

### **Rotations**

Rotational experience is designed to provide the resident with broad exposure to pharmacy services and patient populations and is the backbone of the PGY1 Residency experience. The following rotations are required to experience at some point during the PGY1 year: Administration, Ambulatory Care, Critical Care, Internal Medicine, and Oncology. Although these are required, the structure of the resident's rotation schedule and the type of rotation selected to meet this requirement will be tailored to each resident. Factors impacting the residents' schedule include: a resident's interest in exploring specialty areas prior to early commitment dates and ASHP Midyear Meeting, preceptor availability, other learners (residents or students) scheduled on rotations, resident progression in previous rotations, and potential employment opportunities for the resident after residency. Required resident learning experiences are listed in **Table 1** and slight differences between the PGY1, HSPAL, SPAL, IDR, and Pharmacotherapy residents are noted. All longitudinal experiences will be 11 months in duration and will be scheduled to start after the orientation period, August 1<sup>st</sup>, and run through June 30<sup>th</sup>.

The general structure of monthly rotations is that residents must complete at least two Direct Patient Care (DPC) rotations in the first half of the residency year (August – December) and an Introductory to Direct Patient Care Internal Medicine rotation is required to ensure a solid foundation of general knowledge and skills to build upon throughout the year. In general, DPC rotations are defined as introductory rotations to each patient population/rotation listed below in **Table 2**. Residents must complete two Advanced DPC rotations during the second half of the residency year (January – June). Advanced DPC rotation areas are the same as DPC rotations but will be evaluated using advanced learning activities.

Outside of the requirements noted above, residents can choose additional DPC, Advanced DPC rotations, or other elective rotation opportunities listed in **Table 2** and **Table 3**. All PGY1 residents must ensure that two-thirds of their PGY1 year are spent in rotation areas that have direct patient care responsibilities; therefore, elective rotations must be selected accordingly to meet this standard.

**Table 1. Required Resident Learning Experiences**

<b>Learning Experience</b>	<b>Duration Per Rotation</b>
IPPE Precepting	2 weeks
Administration Rotation	4 – 5 weeks
Introduction to Direct Patient Care Internal Medicine	4 – 5 weeks
Investigational Drug Services <sup>α</sup>	4 – 5 Weeks
Two Direct Patient Care (DPC) rotations [August – November]	4 – 5 weeks
Two Advanced DPC rotations [January – June]	4 – 5 weeks
Specialty Call Center <sup>β</sup>	4 – 5 weeks
Medication Use <sup>‡</sup>	8 weeks
Formulary Management	4 – 8 weeks
Medication Safety <sup>‡</sup>	8 weeks
Orientation	6 weeks
Medication Use Evaluation <sup>§</sup>	6 months
Grand Rounds Presentation	6 months
Academia / Teaching and Learning Program Longitudinal*	11 months
Medication Safety Longitudinal <sup>∞</sup>	11 months
P&T Committee or Subcommittee Administrative Longitudinal <sup>∞</sup>	11 months
Research Project Longitudinal <sup>∞</sup>	11 months
Staffing Direct Patient Care Longitudinal	11 months

<sup>α</sup> IDR only

<sup>β</sup> SPAL only

<sup>‡</sup> HSPAL and SPAL only

<sup>§</sup> HSPAL, SPAL and Pharmacotherapy only

\* PGY1 and Pharmacotherapy only

<sup>∞</sup>PGY1, IDR, and Pharmacotherapy only

**Table 2. Direct Patient Care Learning Experiences**

Introduction to Direct Patient Care	Direct Patient Care	Advanced Direct Patient Care
<ul style="list-style-type: none"> <li>- Internal Medicine*</li> </ul>	<ul style="list-style-type: none"> <li>- Acute Care Surgery / Trauma/Nutrition Support</li> <li>- Ambulatory Care*</li> <li>- Bone and Marrow Transplant</li> <li>- Cardiology</li> <li>- Critical Care* (MICU, SICU, NCCU, CCU)</li> <li>- Emergency Medicine</li> <li>- Infectious Diseases</li> <li>- Oncology* (Inpatient and Outpatient)</li> <li>- Pain and Palliative</li> <li>- Solid Organ Transplant</li> </ul>	<ul style="list-style-type: none"> <li>- Acute Care Surgery / Trauma/Nutrition Support</li> <li>- Ambulatory Care*</li> <li>- Bone and Marrow Transplant</li> <li>- Cardiology</li> <li>- Critical Care* (MICU, SICU, NCCU, CCU)</li> <li>- Emergency Medicine</li> <li>- Infectious Diseases</li> <li>- Internal Medicine</li> <li>- Oncology* (Inpatient and Outpatient)</li> <li>- Pain and Palliative</li> <li>- Solid Organ Transplant</li> </ul>
<p><b>Learning Objectives:</b>            (1) R.1.1.2– Patient Care            (1) R.1.1.3 – Patient Care            (1) R.1.1.4 – Patient Care            (1) R.1.1.6 – Patient Care            (1) R.1.2.1 – Patient Care            (1) R.1.2.2– Patient Care  <b>[6 total]</b></p>	<p><b>Learning Objectives:</b>            (1) R.1.1.1– Patient Care            (1) R.1.1.2– Patient Care            (1) R.1.1.6 –Patient Care            (1) R.1.2.1 – Patient Care            (1) R.1.2.2– Patient Care            (1) R.1.2.3– Patient Care  <b>[6 total]</b></p>	<p><b>Learning Objectives:</b>            (1) R.1.1.2 – Patient Care            (1) R.1.1.3– Patient Care            (1) R.1.1.4– Patient Care            (1) R.1.1.5– Patient Care            (1) R.1.1.6 – Patient Care            (1) R.3.2.2 – Leadership  <b>[6 total]</b></p> <p>Residents will be evaluated on <b>advanced</b> learning activities</p>

\*Denotes a required rotation area that must be completed at some point during the PGY1 year as either an Introduction to Direct Patient Care (DPC), DPC or Advanced DPC: Ambulatory Care, Critical Care, Internal Medicine, and Oncology.

**Table 3. Elective Resident Learning Experiences**

<b>Learning Experience</b>	<b>Duration Per Rotation</b>
Academia / Teaching and Learning Program	4 – 5 weeks
APPE (P4) Precepting	4 – 5 weeks
Burn	4 – 5 weeks
Investigational Drug Services <sup>¢</sup>	4 – 5 weeks
Lung Transplant	4 – 5 weeks
Nationwide Children’s Hospital Rotations	4 – 5 weeks
Pharmacy Informatics	4 – 5 weeks
Psychiatry <sup>™</sup>	4 – 5 weeks
Academia / Teaching and Learning Program Longitudinal <sup>™</sup>	11 months

<sup>¢</sup> PGY1, HSPAL, SPAL and Pharmacotherapy only

<sup>™</sup> HSPAL, SPAL and IDR only

### **Staffing Commitment**

The staffing commitment is 24 weekends as a licensed pharmacist in the state of Ohio, approximately every other weekend. Residents will also be required to staff at least one "training" weekend and this weekend does not count toward the 24 weekend commitment. If any additional training weekends are required throughout the year, they will also NOT count toward the 24 weekend commitment. Residents will begin training in July and can be scheduled for 1st or 2nd shift (in a rare emergency all staff may be asked to provide support for 3rd shift). Once trained, residents have the opportunity to staff in central pharmacy (main campus or UHE), IV room, or in the satellites. The weekend schedule will be prepared at the beginning of the year in template form for the entire year. If a particular weekend creates a personal scheduling conflict, you will be required to trade that weekend with a fellow resident. Personal vacation time may NOT be used for weekends. Residents are required to staff 1 major holiday (Thanksgiving, Christmas, or New Years) and 2 minor holidays (July 4th, Labor Day, Veteran's Day, Martin Luther King, or Memorial Day). Holiday coverage that includes a weekend counts toward the resident's weekend commitment as well. Residents are required to provide coverage to allow generalist staff to attend area staff meetings as needed. Coverage can be up to 1 hour per staff meeting and is rotated on a monthly basis.

All residents are required to be licensed in Ohio by August 1<sup>st</sup> (<http://pharmacy.ohio.gov>). Residents are permitted to take all licensing exams during June and July without taking personal vacation time.

There are opportunities to work extra shifts (maximum of 24 hours per month) for pharmacist wage at the hospital. However, the number of additional shifts residents work is monitored and should not interfere with rotational responsibilities.

### **Antimicrobial Stewardship Program On-Call**

PGY1 Pharmacy Residents (PGY1, HSPAL, SPAL, IDR, and Pharmacotherapy) rotate responsibility for the antimicrobial stewardship program (ASP) on-call pager, approximately 1 out of every 5-8 weeks. While on-call, the resident will be involved in completing ASP responsibilities which is primarily responding to alerts about multi-drug resistant organisms identified through rapid diagnostics. Residents are NOT required to be in-house while on-call. Residents are responsible for responding to pages from 5PM – 8AM 7 days/week.

### **Research Experience**

The resident will participate in and complete a clinical research project. The resident will work closely with clinicians who have extensive research experience. To facilitate the research process, the resident will participate in the Residency Research Series that consists of a series of lectures delivered by clinicians with research experience throughout the year. This dynamic research series is conducted under the expertise of our Residency Research Committee. The resident's research project will be presented at the Great Lakes Residency Conference. The resident must submit a manuscript of publishable quality by the end of the residency year to the residency program director (RPD) and all residents are encouraged to submit their publication to a peer-reviewed journal for publication.

### **The Ohio State University College of Pharmacy Teaching and Learning Training Program**

All PGY1 Pharmacy Residents are required to complete The Ohio State University College of Pharmacy Teaching and Learning Training Program. OSUWMC is affiliated with the OSU College of Pharmacy and College of Medicine; therefore, residents have several teaching opportunities including: acquiring a "Teaching and Learning" certificate, serving as primary preceptor for 2nd year IPPE PharmD students, assisting the primary preceptor with 4th year APPE PharmD students on rotations (ex. topic discussions, patient review, etc.), writing mini cases, and teaching case based workshops. Teaching opportunities may vary from year to year dependent on the residents' interest and the needs of the College of Pharmacy. In addition to the longitudinal teaching

certificate requirements, the College of Pharmacy offers a one-month academia rotation which focuses on classroom preparation and planning.

### **Pharmacy and Therapeutics Committee (P&T)**

The P&T Committee includes 5 subcommittees (Antimicrobial, Formulary, Antithrombotic, Hematology/Oncology, and Medication Safety). Residents are placed on 1 subcommittee to serve as a member for the entire year. Residents will be responsible to provide draft minutes to the secretary and may be responsible for additional committee work as needed.

### **Meetings**

Pending the availability of appropriate departmental funding, residents will attend the ASHP Midyear Clinical Meeting and Great Lakes Pharmacy Residency Conference ([www.glprc.com](http://www.glprc.com)). Registration and the majority of expenses for these meetings are covered by the program and the use of personal vacation time is not necessary. Residents will need to refer and adhere to the OSUWMC Resident Travel Policy.

### **Required Membership**

Residents are required to be a member of the American Society of Health-System Pharmacists (ASHP). The residency program does not financially cover these memberships because it is an expectation that our residents become involved in professional organizations.

### **Advisor**

Each resident will be assigned an advisor the beginning of their residency year. This advisor will be a Residency Advisory Committee (RAC) member. Meetings for advising are set through collaboration by the resident and advisor. Advisors will assist residents throughout the year with regard to rotations, career planning, projects, and any other issues that arise.

### **Time Away**

The pharmacy residents time away from the residency shall not exceed 37 days per ASHP Standards. Each resident is granted 10 personal vacation days and these may be used at any time pending approval of the RPD and the preceptor for the rotation in which the vacation will occur. Residents may not use all of their days during one rotation. Requested or approved vacation days must not interfere with the completion of a 75% minimum number of contact days for a specific rotation or experience (i.e., 15 days/4 week learning experience). In addition, four interview days may be granted for PGY2 or job interviews. Refer to the Residency Manual for the most up-to-date policies and procedures about time away.

### **Benefits**

- \$53,000 stipend (paid monthly - on the last working day of the month)  
- Residents will receive their 1<sup>st</sup> full paycheck at the end of July
- Comprehensive Medical Plan, includes prescription medication coverage
- Vision and dental coverage available
- Spouse coverage available
- Ability to purchase a parking permit for faculty and staff

### **Loan Deferment**

PGY1 Pharmacy Residents may obtain an income-sensitive deferment or a forbearance pending the approval of

your lending agency. This may be arranged by contacting your financial aid office if you choose to seek this opportunity.

### **Workspace**

There is a centralized office space for 16 residents; some PGY2 Specialty Residents are located in their area of practice (Ross Heart Hospital, James Cancer Hospital, etc.) Each resident has access to their own personal desk space, desktop computer, laptop, Cisco phone, and pager. Filing space, a personal mailbox, business cards, a lab coat, and many other office supplies are also provided to the resident.

### **Pharmacy Grand Rounds Presentation**

Residents are required to deliver one Pharmacy Grand Rounds Presentation. These presentations will be for continuing education credit and are held every Wednesday.

### **Resident Health and Wellness (ResiSHINE)**

ResiSHINE is the resident version of the SHINE committee within the Department of Pharmacy. The SHINE committee stands for Sustaining Health Initiatives and Nurturing Excellence and is led by one of our administrators and Buckeye Wellness Innovators within the department. This committee helps plan activities that foster and maintain resident health and wellness.

### **Intranet**

The Department of Pharmacy has an extensive intranet site available that provides information with regard to formulary, guidelines, and policies. The intranet is extremely comprehensive and provides newly licensed pharmacists or pharmacists new to OSUWMC the confidence necessary to practice in our complex environment.

### **Volunteer Hours**

All residents are required to give of their talents by volunteering at the Columbus Free Clinic for 12 hours throughout the year. The clinic occurs every Thursday evening from 6-10 PM. The free clinic schedule will be prepared at the beginning of the year in template form for the entire year. If a particular clinic creates a personal scheduling conflict, you will be required to trade that clinic with a fellow resident.



## Requirements of Successful Completion

1. The resident must successfully complete (received “achieved for residency” status) 80% of the objectives as described in the ASHP PGY1 Pharmacy Residency Goals and Objectives document. For any objectives marked “Needs Improvement,” the resident must demonstrate satisfactory progress toward achievement of the objectives as per the individualized training plan.
2. The resident must complete all core (required) learning experiences.
3. The resident must complete all required weekend and holiday staffing as described in the staffing document of the residency manual.
4. The resident must complete all required weeks of On Call responsibilities.
5. The resident must complete all required hours of service to the Columbus Free Clinic.
6. The resident must complete at least one administrative audit or administrative project as determined by the Residency Program Director and/or administration rotation preceptor.
7. The resident must provide a formal lecture as part of the Department of Pharmacy Grand Rounds.
8. The resident must complete The Ohio State University College of Pharmacy Teaching & Learning Training Program.
9. The resident must attend the residency research series, complete a research project, formally present his/her findings at a selected residency conference, and prepare a manuscript suitable for publication.