



## **PGY-2 Solid Organ Transplant Residency**

### **Purpose:**

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 Solid Organ Transplant. 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 of 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.

### **Description:**

Indiana University (IU) Health offers a one-year PGY2 Solid Organ Transplant (SOT) Residency. The IU Health PGY2 SOT residency is designed to train future transplant clinical pharmacists across both abdominal and cardiothoracic solid organ types in the inpatient and outpatient setting. Additionally, the residency will provide training in patients requiring mechanical circulatory support (MCS). Rotation experiences take place at the IU Health Academic Health Center (AHC) which includes IU Health Methodist Hospital and IU Health University Hospital. Five different transplant clinical pharmacists serve as specialty preceptors. Optional rotation experiences in pediatric solid organ transplant at Riley Hospital for Children at IU Health are also available. All AHC hospitals serve as teaching sites for Butler and Purdue Universities Colleges of Pharmacy as well as Indiana University School of Medicine.

During the PGY2 SOT residency year, the resident will acquire knowledge and skills in managing immunosuppression, infectious prophylaxis regimens, and post-transplant complications in solid organ transplant recipients. Additionally, the resident will gain experience in managing pharmacotherapy in patients on MCS. Graduates will exit with the ability to work collaboratively with other transplant clinical providers to design and implement both organ-specific and patient-specific care plans that optimize immunosuppression while minimizing opportunistic infections, hematologic/oncologic complications, and adverse side effects. Residency graduates are equipped to participate as integral members of interdisciplinary teams caring for solid organ transplant patients, assuming responsibility for the patient's medication-related care.

Longitudinal experiences will engage the resident in necessary transplant pharmacy administration activities, educational opportunities in practice and didactic settings, and participation in quality improvement initiatives. The resident will function as an effective member of the transplant multidisciplinary team and acquire the necessary practice skills of a qualified solid organ transplant clinical pharmacist. Additionally, the resident may gain experience in professional organization participation, medication appeals, regulatory standards, and transplant administration fundamentals.

### **Requirements:**

The qualified applicant must possess a Doctor of Pharmacy Degree from an accredited college of pharmacy and must be eligible for Indiana licensure. Completion of an ASHP-accredited PGY1 Pharmacy Residency is required.

All offers are contingent upon a background check, reference check, and pre-placement health assessment, which includes a drug test. If selected for an on-site interview, a presentation will be required.

**Contact:**

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**Required 4-5 Week Block Experiences:**

Adult Solid Organ Transplant

- Kidney/Pancreas
- Liver and Intestine/Multivisceral
- Lung
- Heart and MCS
- Outpatient Lung Transplant Clinic
- Infectious Disease
- Adult Critical Care

**Elective 4-5 Week Block Experiences:**

- Outpatient Abdominal Transplant
- Histocompatibility Lab (incorporated into block experience, 5-6 dedicated days)
- Kidney/Pancreas Transplant (Medical Service)
- Repeat any required Transplant Experience(s) as listed above
- Pediatric Heart Transplant/Pediatric Cardiology
- Outpatient Pulmonary Hypertension
- Hematology/oncology/BMT
- Psychiatry
- HIV Management
- Research
- Other

**Deadline for application:** December 31st  
**Requirements for application (Submitted via PhORCAS):**

- Letter of Intent
- Current Curriculum Vitae
- Three recommendation forms
- Official College Transcript
- May include an initial phone interview

**Required Longitudinal (12 month) Experiences & Activities:**

- Pharmacokinetic Clinical Weekend service
- Inpatient Staffing
- Transplant Selection Committee participation (rotation specific)
- Cardiothoracic Transplant Quality Meetings
- Professional practice experience
  
- Research project with manuscript
- Grand Rounds Presentation
- Quality assurance and performance improvement (QAPI) project
- Provide educational activities (2) to transplant clinicians
- Journal club presentations (2) to transplant clinicians
  
- Precepting students and/or residents
- Indiana Pharmacy Teaching Certificate (optional)
- Opportunities to speak or present research at transplant meetings
- Recruitment