



## PGY-2 Solid Organ Transplantation

The PGY2 Solid Organ Transplant Residency Program is conducted at the Indiana University Health Academic Health Center in downtown Indianapolis which includes Methodist and University Hospitals as well as Riley Hospital for Children. Abdominal organ transplant services are currently based in University Hospital and the cardiothoracic transplant teams are located in Methodist Hospital. All AHC hospitals serve as teaching sites for Butler and Purdue Universities Colleges of Pharmacy and the Indiana University School of Medicine. The IU Health transplant center performed just over 450 total transplants in 2022.

	Heart	Intestine	Kidney	Liver	Lung	Pancreas
<b>Adult</b>	9	9	230	152	30	21
<b>Pediatric</b>	5	1	7	8		1
<b>Total</b>	14	10	237	160	30	22

The PGY2 solid organ transplant residency is designed to train future transplant clinical pharmacists in the inpatient and outpatient settings across both abdominal and cardiothoracic solid organ types. Additionally, the resident will gain experience managing pharmacotherapy for pre-transplant patients, living donors, patients requiring mechanical circulatory support, and intestine failure patients receiving total parenteral nutrition. Optional learning experiences in pediatric solid organ transplant are also available. Longitudinal experiences will engage the resident in didactic and experiential education for pharmacist trainees and other healthcare professionals, transplant administration activities, quality, and research initiatives. Residents may also have opportunities to participate in professional organizations, attend transplant conferences, and contribute to adherence with regulatory standards.

Through these combined learning experiences, residents will develop the ability to work collaboratively with other transplant providers to design and implement organ-specific and patient-specific pharmacotherapy plans that optimize immunosuppression while minimizing adverse effects and other complications. After successful completion of the program, residency graduates will have the necessary practice skills of a qualified solid organ transplant clinical specialist and function as an effective member of the multidisciplinary transplant team.

## Application 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 a prior ASHP accredited PGY1 residency is required. All offers are contingent upon a background check, reference check, and preplacement health assessment, which includes a drug test.

<b>Residency Program Director:</b> Catherine Pennington, MS, PharmD, BCTXP Liver Transplant Clinical Specialist Indiana University Health – University Hospital 550 N University Blvd Indianapolis, IN 46202 317.948.0383 cpennington1@iuhealth.org	<b>Application Deadline:</b> January 2
	<b>Requirements for application via PhORCAS:</b> Letter of Intent Curriculum Vitae Three letters of recommendation Official college transcripts





### Rotation Structure

<p><b>Required 4-5 Week Block Rotations</b></p> <p>Orientation</p> <p>Adult Inpatient Solid Organ Transplant (4 blocks)</p> <ul style="list-style-type: none"> <li>• Kidney/Pancreas Transplant Surgery</li> <li>• Liver and Intestine/Multivisceral Transplant Surgery</li> <li>• Lung Transplant</li> <li>• Heart Transplant and Mechanical Circulatory Support</li> </ul> <p>Adult Outpatient Solid Organ Transplant (select 1 block)</p> <ul style="list-style-type: none"> <li>• Abdominal Transplant Clinics</li> <li>• Lung Transplant Clinic</li> </ul> <p>Transplant Critical Care (select 1 block)</p> <ul style="list-style-type: none"> <li>• Cardiovascular ICU</li> <li>• Medical ICU</li> <li>• Surgical ICU</li> </ul> <p>Transplant Infectious Diseases</p>	<p><b>Required Longitudinal Experiences</b></p> <ul style="list-style-type: none"> <li>• Grand Rounds Presentation</li> <li>• Research project with manuscript</li> <li>• Quality assurance and performance improvement (QAPI) project</li> <li>• Transplant fellows lecture series</li> <li>• Inpatient Staffing (combination of operations evening shifts, on-call activities, and clinical weekends)</li> <li>• Professional development and practice management</li> <li>• Transplant Selection Committee</li> <li>• Transplant Quality Committee</li> </ul>
<p><b>Elective 4-5 Week Block Rotations</b></p> <ul style="list-style-type: none"> <li>• May repeat any required transplant experience</li> <li>• Transplant Hepatology or Nephrology (Internal Medicine Services)</li> <li>• Pediatric Transplant (Abdominal, Heart, Outpatient)</li> <li>• Transplant Administration</li> <li>• Any existing rotations offered by other programs</li> </ul>	<p><b>Additional Opportunities</b></p> <ul style="list-style-type: none"> <li>• Precepting APPE and PGY1 rotations</li> <li>• Teaching Certificate available</li> <li>• Histocompatibility Lab</li> <li>• Organ Procurement Organization</li> <li>• Professional meeting attendance (AST fellows symposium, American Transplant Congress, MidYear)</li> </ul>

<b>Solid Organ Transplant Program Completion Requirements</b>	
General PGY-2 Completion Requirements	Transplant Specific Completion Requirements
<ul style="list-style-type: none"> <li>• Complete 12 months of training</li> <li>• Earn an “Achieved for Residency” status on at least 80% of the program objectives</li> <li>• Successfully complete a research project with manuscript and present findings at the Great Lakes Pharmacy Resident Conference</li> <li>• Successfully complete an ACPE accredited presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Successfully complete and document required transplant appendix topics</li> <li>• Successfully complete at least two journal club presentations</li> <li>• Successfully complete at least two educational activities for transplant clinicians</li> <li>• Successfully complete and present a quality assurance and performance improvement project</li> </ul>

<b>Solid Organ Transplant Residency Advisory Council</b>	
Cardiothoracic Transplant – Methodist Hospital	Abdominal Transplant – University Hospital
Gregory Holdren, PharmD Laurie Schenkelberg, PharmD, BCPS Jamie Zumbrennen, PharmD, BCPS	Jeanne Chen, BS, PharmD, BCPS Bethany Kelly, PharmD

