# **D** RUSH UNIVERSITY MEDICAL CENTER

# Department of Pharmacy PGY2 Internal Medicine Pharmacy Residency Program Supplemental Manual 2024-2025

The PGY2 Internal Medicine Pharmacy Residency Program is a one-year residency established to provide specialty training for residents interested in internal medicine. PGY2 residencies provide residents with opportunities to function independently as practitioners by conceptualizing and integrating accumulated experience and knowledge into the provision of patient care that improves medication therapy. The Internal Medicine Pharmacy residency is designed to develop the resident's clinical expertise in the care of patients through a variety of core and elective rotations.

**Purpose Statement:** PGY2 pharmacy residency programs build on Doctor of Pharmacy (PharmD) education and PGY1 pharmacy residency programs to develop pharmacist practitioners with knowledge, skills, and abilities as defined in the educational competency areas, goals, and objectives for advanced practice areas. Residents who successfully complete PGY2 pharmacy residency programs should possess competencies that qualify them for clinical pharmacist and/or faculty positions and position them to be eligible for attainment of board certification in the specialized practice area, if available.

**Goals:** The primary goal of the program is to graduate compassionate internal medicine pharmacists who excel as both clinicians and scholars in an academic medical setting. This overarching goal is completed through exposure to a variety of opportunities where the resident will serve as an integral member of interdisciplinary healthcare teams by participating in medication therapy management, answering key clinical questions, and serving as a resource to the healthcare team. The resident will have opportunities to enhance teaching abilities through didactic lectures to other disciplines in the medical center as well as at colleges of pharmacy, self and peer evaluation and being a preceptor to first year pharmacy residents and Doctor of Pharmacy Students. The program will also develop research skills through completion of a longitudinal research project and manuscript preparation.

**Structure of the PGY2 Internal Medicine Pharmacy Residency Program:** The residency program is designed to comply with the published accreditation standards of the American Society of Health-Systems Pharmacists (ASHP) and will be 52 weeks in duration.

Required rotations:	Elective rotations:
• Orientation (4 weeks, not required for	<ul> <li>Infectious Disease (4 weeks)</li> </ul>
early committed residents)	<ul> <li>Cardiology (4 weeks)</li> </ul>
Internal Medicine I	<ul> <li>Academia (4 weeks)</li> </ul>
Internal Medicine II	<ul> <li>Nephrology (2-4 weeks)</li> </ul>
Internal Medicine III	<ul> <li>Solid Organ Transplant (4 weeks)</li> </ul>
Medical Intensive Care Unit (4 weeks)	<ul> <li>Psychiatry (4 weeks)</li> </ul>
<ul> <li>Medical Oncology (4 weeks)</li> </ul>	<ul> <li>Emergency Medicine (4 weeks)</li> </ul>
<ul> <li>Neurology (4 weeks)</li> </ul>	<ul> <li>Heart Failure (2-4 weeks)</li> </ul>
Pharmacotherapy Clinic (1 afternoon	
per week, 26-52 weeks)	

#### Longitudinal experiences:

- Grand rounds (2 per year)
- Primary research project and manuscript (52 weeks)
- Medication use evaluation (<12 weeks)
- Hospital committee membership (52 weeks)
- Weekend staffing (every 4<sup>th</sup> weekend for 52 weeks and assigned holidays)
- On call program (approximately every 2 weeks for 52 weeks)

#### Additional residency activities:

- Presentation of research project outside of Rush (required)
- Development or revision of a monograph, guideline or protocol related to internal medicine (required)
- Newsletter article (required)
- PGY2 Internal Medicine core topic discussion appendix (required)
- Precepting IPPE, APPE and PGY1 pharmacy residents
- Case presentations/journal clubs
- Medical team in-services
- Didactic lectures
- Leadership lecture series
- Teaching certificate
- Research certificate
- Maintenance of required deliverables for PGY2 Internal Medicine CAGOs (residency notebook/binder, required)
- End of Year Report (required)

**Hospital Committee Assignments:** The resident will be assigned to a committee for the year. The resident will be expected to attend regularly scheduled meetings of the assigned committee. Committee will be assigned based on resident interest and departmental availability. Examples of potential committees include, but are not limited to:

• Medication Use Evaluation Committee

- Nursing-Pharmacy Committee
- Anticoagulation Committee
- Antimicrobial Stewardship Committee

**Department Meetings:** The resident is expected to attend all departmental staff meetings, unless excused by the residency program director.

**Mentor:** The resident will be expected to select a mentor from the Department of Pharmacy at the beginning of the year. The resident's mentor will be expected to attend all resident quarterly evaluations.

**Residency Coordinator:** The PGY2 Internal Medicine coordinator is appointed by the RPD and will participate in the Residency Advisory Committee Meetings. Coordinators will participate in quality improvement and review of the residency program in addition to responsibilities detailed below.

Coordinate the following activities, evaluation tools as needed, PharmAcademic, and affiliated learning experience(s):

- Two Grand Rounds Presentations
- o Research Project
- o MUE
- Policy/Guideline Update or Development
- Topic Discussion Appendix
- Staffing/On-Call
- Wellness Activities

**Pharmacy Grand Rounds:** Pharmacy Grand Rounds are held weekly. The resident presenting will rotate through all pharmacy residents. Advance notice to the Pharmacy Department is expected by the resident of their grand rounds so that attendance is optimal. REDCap and PharmAcademic are used to provide preceptor feedback.

## **Typical Monthly Schedule:**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
	Rotation	7a: Post-call	Rotation service	Rotation service	Rotation	7a: Staffing
	service		12n-MGR	1p: Ambulatory	service	
	<i>3-5p:</i> Duty			Care Clinic	12:30p: Weekly	
	Free				Resident	
	5p: On-call				Meeting	
7	8	9	10	11	12	13
7a: Staffing	Rotation	Rotation service	Rotation service	Rotation service	Rotation	Off
	service	7a-5p: Day Call	7a-5p: Day Call	<i>1p:</i> Ambulatory	service	
		1p – PGR	12n- MGR	Care Clinic	12:30p:	
					Weekly	
					Resident	
					Meeting	
14	15	16	17	18	19	20
Off	Rotation	Rotation service	7a: Post-call	Rotation service	Rotation	Off
	service	<i>3-5p:</i> Duty Free		1p: Ambulatory	service	
		5p: On-call		Care Clinic	12:30p: Weekly	
		1p - PGR			Resident	
					Meeting	
21	22	23	24	25	26	27
Off	Rotation	Rotation service	Rotation service	Rotation service	Rotation	Off
	service	1p-PGR	12n-MGR	<i>1p:</i> Ambulatory	service	
				Care Clinic	12:30p:	
					Weekly	
					Resident	
					Meeting	
28	29	30				
7a: On-call	7a: Post-call	Rotation service				
<i>2-4p:</i> Duty		1p – PGR				
Free						

PGR=Pharmacy Grand Rounds, MGR=Medical Grand Rounds

**PGY2 Internal Medicine Program Core Topics (see appendix A):** The resident must complete and track the core topics associated with the competency areas, goals, and objectives required of PGY2 Internal Medicine Pharmacy Residency programs. A blank template of the appendix tracker is available on the K-drive -> Med-Surg -> PGY2-IM -> Resident Notebook. A date and preceptor initial is required for each topic. The resident will track topics and update the spreadsheet throughout the year on the K-drive -> Med-Surg -> PGY2-IM -> Resident Notebook-> Name Folder. The resident's quarterly evaluation will be utilized to monitor spreadsheet progress throughout the year.

**Residency Advisory Committee:** The Residency Advisory Committee (RAC) is made up of the Program Directors (RPD), a subset of the Clinical Specialists, and the chief resident. The goals of the RAC include:

• Maintain appropriate structure and organization of the PGY1 and PGY2 programs

- Assist in the updating and/or development of changes to the residency programs
- Assist in evaluation of candidate applications
- Provide guidance to the RPDs and the residency preceptors for planning of the residency rotation schedule
- Formal program assessment and evaluation (including end of the year evaluation)
- Assist in establishing a minimum standard for individuals who wish to participate in the precepting of residents
- Address any other issues that the RPDs or RAC deems necessary

**Salary:** The resident will be paid approximately \$52,707 annually. Checks are issued every other Friday via direct deposit, which is set up through the payroll department. Residents are provided the following for the residency year in terms of support for attending meetings/conferences:

- Reimbursement for travel/lodging: \$1000 for PGY1 residents, \$1500 for PGY2 residents
- 5 days for Continuing Education, not taken out of the PTO bank
- Registration for CE meetings: \$1000 per calendar year from employee enhancement funds

**Teaching Responsibilities:** Residents will provide in-services on specific rotations to medical and nursing personnel. Participation in certain workshops or lectures may be an option for each resident at the schools of pharmacy Rush has affiliations with. In addition, there will be introductory pharmacy experience (IPPE) students that will be assigned to the residents intermittently throughout the year. The RPD will facilitate orientation and expectation to the precepting of the IPPE course with the residents.

There may be additional options for further teaching available at Chicago colleges of pharmacy, Rush University, and the Rush College of Nursing. Be sure to express interest in additional teaching opportunities to the RPD during each quarterly evaluation, or sooner.

A teaching certificate will be an option for residents, through University of Illinois. Details will be provided in a separate document and a designated meeting will occur during the orientation month to review the process to obtain the teaching certificate. The resident should carefully read through the teaching certificate responsibilities before accepting a position in the program.

**Residency End of Year Report**: The resident will be expected to provide a summary report of projects completed at the end of the year. The intent of the report is to highlight the benefits of residency training for the Department and Hospital. The report is submitted electronically on the K-drive and in Pharmacademic at the end of the year. A template for the End of Year Report can be found on the K-drive -> Med/Surg -> PGY2IM -> Residency Notebook.

**Required deliverables for PGY2 Internal Medicine CAGOs (residency notebook/binder)**: Residents should keep all work completed during the residency program under the "Files" tab of PharmAcademic as well as the Residency Notebook folder on the K-drive. Examples of documents saved include handouts, PowerPoint presentations, policies, MUEs and drafts of the research projects. Any work that has received critique/feedback should be included, with the documented critique. The RPD will provide the resident with an Electronic Residency Notebook Instruction sheet at the beginning of the year. The resident will review progress on completion during quarterly evaluations with the residency mentor and RPD. Of note, the Graduation Checklist (Appendix B) is included as an item in the residency notebook/binder. This checklist will be utilized by the RPD as final verification of completion of program requirements prior to awarding of residency certificate.

**Paid time off/Holidays/CE days:** The resident will be entitled to approximately 25 days of paid time off (PTO). PTO cannot be taken until the resident has accrued the time through working. PTO can be scheduled pending approval from the RPD and preceptor whose rotation the resident is currently on. It will be expected that the resident request time off well in advance to allow for appropriate coverage.

- The resident will be allotted 5 continuing education days for professional meetings attendance (not taken from PTO bank).
- Official hospital holidays will be considered PTO time, unless the holiday falls on the resident's scheduled work weekend/on-call/post-call day.
- The resident is strongly encouraged to use all PTO prior to the end of residency. Any leftover vacation time at the end of the year will be paid out to the resident upon departure from the medical center.
- Residents are not permitted to use PTO during the final two weeks of residency unless approved by the residency director.

**Professional Attire:** The resident is expected to wear their Rush ID badge while in the medical center. Compliance with the department's dress code will be enforced. Scrubs are not permitted on days the resident conducts a formal presentation or attends an interdisciplinary meeting. Two lab coats will be ordered for the resident in July.

**Travel Reimbursement:** Out-of-town travel on behalf of the institution or by assignment must be requested in advance and approved by the RPD. Consult the Rush Travel Policy, which outlines the process for travel reimbursement. PGY2 residents are reimbursed up to \$1,500 for travel for the residency year. Expenses that will be reimbursed within the defined budget include lodging, per-diem daily meal allowance (no alcohol), travel (airfare to the meeting and transportation to/from the hotel and airport). Resident should be aware that all expenses may not be reimbursed. Residents will submit their own expenses online within 30 days after their return.

**Employee Enhancement Funds:** The employee enhancement program reimburses employees up to \$1000 annually (Jan-Dec) for the costs of continuing education programs (i.e., registration for local and national meetings, professional development seminars). Participants must work at Rush for at least 3 months. Applications should be submitted to the Tuition Manager within 45 days after the event is complete. Copies of all paid receipts and documentation of proof of attendance are required (i.e., CE certificate, event name tag, workbook cover received on the day of the events).

**Parking Information:** The medical center provides both sheltered and non-sheltered parking facilities. Additional parking information including rates can be obtained by calling the Parking Garage Office at ext. 2-6594.

**Benefits:** Access benefit information at the following website: <u>https://www.rush.edu/rush-careers/employee-benefits</u>. The Employee Service Center (312-942-3456) is also available for questions Mon-Fri from 7 am to 7 pm.

**Licensure:** All residents are required to be licensed as a pharmacist in Illinois and are encouraged to get their dates for testing as soon as possible. If the resident does not have a pharmacist license by the beginning of residency, they must have a valid Illinois pharmacy technician license. All residents are expected to obtain Illinois pharmacies licensure no later than 90 days from the respective start dates of each program. The Residency Advisory Committee may consider allowing a 30-day licensure extension. If denied, the resident will be dismissed from the residency program. If a resident still has not obtained Illinois pharmacist licensure within 120 days from the start of the program, they will be dismissed from the residency program. A copy of the resident's pharmacist license should be provided to the Administrative Assistant to the Pharmacy Department.

**Confidential Information:** The resident will be exposed to a variety of confidential information throughout the year. Such information must be kept private and comply with HIPAA standards. The resident will receive HIPAA training during the orientation month.

**Resident Failure to Progress and Dismissal Policy:** Residents are expected to conduct themselves in a professional manner and to follow all pertinent university, medical center and departmental policy and procedures. The conditions for dismissal and remediation for residents failing to progress through the program are outlined in PolicyTech (Pharmacy Resident Failure to Progress and Dismissal Policy) and will be reviewed during orientation.

**Staffing Requirements:** The PGY2 resident will be required to work two 8-hour staffing shifts every fourth weekend in addition to the on-call requirement. Each resident is expected to work assigned holidays. A resident whose staffing weekend or on call shift falls on a holiday (e.g., Christmas) will be expected to work the given holiday. If they are scheduled on a holiday, that day is not deducted from their PTO bank. The assigned location for weekend/holiday staffing will be in decentralized acute care. The resident should be on time at their work site. Tardiness will not be permitted. If the resident would like to take a weekend off, the resident must switch weekends with another internal medicine trained pharmacist. The Residency Program Director must approve trading of shifts.

**Overtime/Duty hours (Moonlighting):** Residents are expected to commit their full professional attention to the residency. *Working in other positions outside the Department is not permitted.* Residents may consider picking up open shifts within the Rush Department of Pharmacy, if

approved by the RPD first. The limit of duty hours is consistent with ASHP accreditation and ACGME terms that went into effect in July 2013. The hours at the hospital in the residency program is limited to 80 hours per week, averaged over a 4-week period. Residents must be provided one day in seven free, averaged over a four-week period. Adequate time for rest and personal activities must be provided. This should consist of a minimum of 8 hours, but ideally, a 10-hour period provided between all daily duty periods. For programs with on-call programs, there should be a minimum of 14 hours free following an on-call shift. This is consistent with the recommendations provided in the ASHP Duty-Hour Requirements for Pharmacy Residencies. The resident will document duty hours monthly utilizing the evaluation tool in PharmAcademic.

**Successful Completion of the Residency:** Structured evaluations using PharmAcademic will be conducted throughout the residency program to provide feedback regarding both resident's performance and effectiveness of training. Orientation to PharmAcademic will be conducted during July of each residency year. It is important to complete these evaluations in a timely manner so that comments are useful for subsequent rotations, both for preceptor and resident. *A "timely manner" is defined as within one week of the completion of the learning experience*. Residents and preceptors should complete their respective evaluations independently, and then meet in person within a week of the end of the rotation to discuss the evaluation.

The following scale is in use for in PharmAcademic for PGY2 IM summative evaluation of the resident on rotation for the 2023-2024 year. Of note, for the 2024-2025 year, the PGY2 IM summative evaluation will transition to the customized evaluation scale outlined in the Department of Pharmacy RUMC Pharmacy Residency Program Manual.

		Resident is working at a level that is barely above one
1 Needs Improvement	would expect from a PGY1 resident; improvement	
	must be demonstrated by the next evaluation	
		Resident is working at a level that is appropriate for this
2 Satisfactory progress	stage in the residency year; there is an expectation that	
		continued improvement will be made
		Resident is working not only independently, but needs
2	Achieved	scant oversight; preceptor could be out of office and
3 Achieved	Achieved	resident could fill the void in providing service at an
		acceptable level

Objectives are defined as achieved for residency (ACHR) once a given objective in a single learning experienced is evaluated by an individual preceptor as "achieved (3)."

All required goals and objectives (as indicated by an "R" below) will be taught and evaluated at multiple points and during multiple learning experiences during the residency year. The extent to which these goals and objectives must be achieved for the residency in order to successfully complete the program is outlined below.

1. Achievement of **100%** of the R1 objectives from the ASHP program specific required competency areas, goals, and objectives.

2. Achievement of at least **80%** of all R2-R4 objectives from the ASHP program specific required competency areas, goals, and objectives.

- 3. Fulfillment of pharmacy practice service weekend, holiday and on call coverage
- 4. Successful completion of the primary research project

a. The research project must be presented in a final written form (manuscript format) to the residency RPD and the residency research advisor (if individual is different from the RPD) AND be acknowledged as successful, in order to receive the residency certificate

- 5. Successful completion of a medication use evaluation or quality project
  - a. This project must be presented in a final written form and to an interdisciplinary committee AND be acknowledged as successful by the RPD
- 6. Completion of all required presentations
  - a. Grand Rounds I
  - b. Grand Rounds II (exception includes PGY2 Oncology Residency)
  - c. Presentation of research project outside of Rush (e.g., ILPRC, local or national specialty meeting)
- 7. Completion of Residency End of Year Report
- 8. Completion of Appendix required by the competency areas, goals, and objectives of the PGY2 Internal Medicine Pharmacy Residency program
- 9. 100% completion of PharmAcademic evaluations
- 10. Completion of required deliverables for PGY2 IM CAGOs (Resident notebook/binder)
- 11. Other requirements specific to the PGY2 Internal Medicine Pharmacy Residency include:
  - a. Development or revision of a monograph, guideline or protocol
  - b. Successful completion of one newsletter article
  - c. Longitudinal hospital committee participation

## Appendix A: PGY2 Internal Medicine Program Core Topics

PGY2 Internal Medicine Resident Core Experiences Tracking Form

Didactic discussions, reading assignments, case presentations, written assignments and direct patient care experience will allow the internal medicine resident to understand and appreciate the implications of medication therapy on the following areas of emphasis as listed below.

The PGY2 IM resident is provided this spreadsheet to ensure the topics listed are covered throughout the residency year. After completion of a topic, the resident is responsible for documenting completion with the applicable preceptor's approval on the K-drive in their Residency Notebook folder.

Required	Direct Patient Care	Date	Precepto	Direct or Non-	Date	If Non-	Precepto
Topic Areas	Experience Required		r Initials	direct Patient		direct, list	r Initials
				Experience		modality	
						(j club,	
						topic	
						discussio	
						n <i>,</i> etc.)	
Cardiovascular	Acute coronary			Advanced			
	syndromes (STEMI,			Cardiac Life			
	NSTEMI, unstable angina)			Support (ACLS)			
	Atrial arrhythmias			Basic Life			
				Support (BLS)			
	Atherosclerotic			Peripheral			
	cardiovascular disease,			arterial			
	primary prevention			(atherosclerotic)			
				disease			
	Atherosclerotic			Pulmonary			
	cardiovascular disease,			arterial			
	secondary prevention			hypertension			
	Cardiogenic/hypovole			Valvular heart			
	mic shock			disease			
	Heart failure, acute			Ventricular			
	decompensated &			arrhythmias			
	chronic						
	Hypertensive crises						
	Stroke (ischemic,						
	hemorrhagic, and						
	transient ischemic						
	attack)						

	Venous embolism and thrombosis				
Critical Care	Drug/alcohol overdose/withdrawal		Pharmacokinetic and pharmacodynam ic considerations Stress ulcer		
Endocrine	Diabetes mellitus, Type 1		prophylaxis Adrenal gland disorders (e.g., adrenal insufficiency, hypercortisolism )		
	Diabetes mellitus, Type 2		Hyperglycemic crises (diabetic ketoacidosis [DKA], hyperosmolar hyperglycemic state [HHS])		
	Syndrome of inappropriate antidiuretic hormone secretion (SIADH)		Parathyroid disorders		
Gastrointestin al	Thyroid disorders Cirrhosis, end-stage liver disease, and complications (e.g., portal hypertension, ascites, spontaneous bacterial peritonitis, varices, hepatic encephalopathy, hepatorenal syndrome)		Gastroesophage al reflux disease		
	Constipation		Motility disorders		
	Diarrhea (including traveler's diarrhea) Hepatitis (including viral)				

	Inflammatory bowel disease (Crohn's disease, ulcerative colitis)				
	Nausea/vomiting, simple (e.g., acute viral gastroenteritis, overindulgence, motion sickness)				
	Nausea & vomiting, complex (e.g., postoperative, chemotherapy- induced)				
	Pancreatitis (acute, chronic, and drug- induced)				
	Upper gastrointestinal bleeding				
Genitourinary	Benign prostatic hyperplasia				
	Urinary Incontinence				
Geriatrics	Medication use in older adults (e.g., polypharmacy, potentially inappropriate medications [PIMs], Beers criteria, dose de- escalation)				
Hematologic	Anemias (e.g., iron deficiency, vitamin B12 deficiency, folic acid deficiency, chronic disease/inflammation)		Coagulation disorders (e.g., hemophilia, von Willebrand disease, antiphospholipid syndrome, clotting factor deficiencies)		
	Drug-induced hematologic disorders		Disseminated intravascular coagulation		

	Reversal of	Platelet		
	anticoagulants	disorders (e.g.,		
		idiopathic		
		thrombocytopen		
		ic purpura,		
		thrombotic		
		thrombocytopen		
		ic purpura)		
		Sickle cell		
		disease		
Immunologic	Allergies/drug	Stevens-Johnson		
	hypersensitivities (e.g.,	syndrome		
	anaphylaxis,			
	desensitization)			
		Systemic lupus		
		erythematosus		
		Toxic epidermal		
		necrolysis		
Infectious	Antimicrobial	Bacterial		
Diseases	stewardship and	resistance		
	infection prevention			
	Bloodstream and	Fungal		
	catheter-related	infections,		
	infections	superficial (e.g.,		
		vulvovaginal and		
		esophageal		
		candidiasis,		
		dermatophytose		
		s)		
	Bone and joint	Immunizations		
	infections (e.g.,	(including		
	osteomyelitis,	vaccines,		
	prosthetic joint	toxoids, and		
	infections)	other		
		immunobiologics		
		)		
	Central nervous	Microbiological		
	system infections (e.g.,	testing (including		
	meningitis,	rapid diagnostic		
	encephalitis, brain	tests)		
	abscess)			

	Fungal infections,				
	invasive (e.g.,				
	hematogenous				
	candidiasis,				
	aspergillosis)				
	Gastrointestinal				
	infections (infectious				
	diarrhea, C. difficile,				
	enterotoxigenic				
	infections)				
	Human				
	immunodeficiency				
	virus infection				
	Infective endocarditis				
	Infections in				
	immunocompromised				
	patients (e.g., febrile				
	neutropenia,				
	opportunistic				
	infections in AIDS)				
	Influenza virus				
	infection				
	Intra-abdominal				
	infections (peritonitis,				
	abscess, appendicitis,				
	etc.)				
	Lower respiratory tract				
	infections				
	Sepsis and septic				
	shock				
	Skin and soft tissue				
	infections				
	Tuberculosis				
	Urinary tract infections				
	(complicated and				
Musculoskelet	Gout/Hyperuricemia		Osteoarthritis		
al and					
Connective					
Tissue					
Disorders					
			Osteoporosis		
			Rhabdomyolysis		

		Rheu arthr	ımatoid ritis	
Neurological	Epilepsy	Statu epile	us epticus	
	Neurocognitive disorders (e.g., Alzheimer disease, vascular and frontotemporal dementia) Pain, neuropathic (e.g., diabetic, post- herpetic) Pain, nociceptive (acute and chronic)			
	Parkinson disease			
Nutritional Disorders	Overweight and obesity	Nutr supp	ition oort	
Oncology	Oncologic emergencies (e.g., tumor lysis syndrome, hypercalcemia, coagulopathy)			
	Supportive care (e.g., preventing/ treating complications associated with malignancy or treatment, myelosuppression, nausea/vomiting, pain, mucositis, secondary malignancies)			
Psychiatric and Behavioral Disorders	dAlcohol use disorder	Bipol (e.g., bipol depr main thera	lar disorders , mania, lar ression, itenance apy)	

	Anxiety disorders (e.g., generalized anxiety, panic, social anxiety disorder)		Schizophrenia		
	Depressive disorders (e.g., major depressive disorder)		Substance abuse (e.g., hallucinogens, stimulants, depressants, performance- enhancing drugs)		
	Delirium/acute agitation (non-ICU)				
	Opioid use disorder Sleep disorders (e.g., insomnia.)				
	Tobacco/nicotine use disorder (including smoking cessation)				
Renal	Acid-base disorders		Chronic kidney disease and complications (anemia, bone & mineral disorders)		
	Acute kidney injury (prerenal, intrinsic, and postrenal)		Dialysis and renal replacement therapies		
	Drug dosing considerations in renal dysfunction and renal replacement therapy				
	Drug-induced renal disorders				
	Electrolyte abnormalities (sodium, potassium, calcium, phosphorus, magnesium)				
	Evaluation of renal function			 	

Respiratory	Asthma			
	Chronic obstructive airway disease (other than asthma)			

## **Appendix B: Graduation Checklist**

# PGY2 Internal Medicine Residency

# **Graduation Checklist**

#### **Resident Name:**

Year:

**Instructions:** To be completed by RPD at the end of the residency year prior to awarding the resident their certificate for PGY2 Internal Medicine Pharmacy Residency. The resident will include this document in their electronic residency notebook/binder on the K-drive and in PharmAcademic.

Program Completion Requirements	Completion Confirmed by RPD
100% of R1 objectives ACHR	
80% of R2-R4 objectives ACHR	
Holiday and weekend staffing	
On-Call	
Research project/Manuscript	
MUE	
Grand Rounds I	
Grand Rounds II	
Conference Presentation	
End of Year Report	
Topic Discussion Appendix	
100% PharmAcademic evaluations	
Resident notebook/binder	
Monograph, guideline or protocol	
development/revision	
Newsletter article	
Hospital committee participation	