

Program Specific Appendix

PGY2 Cardiology Pharmacy Residency Program Specific Appendix

Program Director: James C. Coons, Pharm.D., FCCP, FACC, BCCP

Purpose of the PGY2 Cardiology Pharmacy Residency Program

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 specialized areas of practice. 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 or 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.

Program Mission

The PGY2 residency in cardiology is designed to transition PGY1 resident graduates from generalist practice to specialized practice that meets the needs of cardiovascular patients. It is defined as an organized, directed, accredited program that builds upon the competencies of PGY1 pharmacy training. This residency is focused in cardiovascular pharmacotherapy, clinical research, and academia and is meant to increase the resident's knowledge, skills, attitudes, and abilities to raise the resident's level of expertise in medication therapy management and clinical and academic leadership.

Graduates of the residency program are prepared to assume any of the following roles:

- Cardiovascular clinician in both inpatient and outpatient care settings
- Clinical Educator
- Clinical Researcher

Program Goals

Our residency graduates are prepared to serve as the cardiovascular pharmacotherapy expert as part of a multidisciplinary cardiovascular team. Additionally, they are able to make complex pharmacotherapy recommendations in a dynamic inpatient, outpatient, and telemedicine setting.

Graduates are also experienced in clinical research in the cardiology environment and excel in their ability to teach other health professionals and those in training to be health professionals. They also acquire the experience necessary to exercise leadership for this focus in the health system. A strength of our program and a significant focus is on academic pharmacy practice.

ASHP Residency Goals and Objectives

The ASHP Competency areas and Goals for this program can be found below:

<https://www.ashp.org/-/media/assets/professional-development/residencies/docs/pgy2-cardiology-residency-competency-areas-goals-objectives.ashx>

Rotations

Each resident's schedule is devised based on the program structure and each resident's specific goals. An individualized plan, including baseline assessment, is designed for each resident at the beginning of the year and used as an assessment tool throughout the year.

The resident's schedule consists of core and elective rotations, project weeks, professional meetings, and vacation. The concentrated and longitudinal rotation experiences are outlined in the Program Structure document. The resident, preceptor team, and RPD will develop the sequence of rotations. Each concentrated rotation will typically follow the calendar month. Additionally, all residents are required to be the primary preceptor for at least one advanced pharmacy practice experiential (APPE) learning rotation for fourth year Pharm.D. students at the University of Pittsburgh School of Pharmacy.

Beginning in the first quarter, each resident will be responsible for entering his or her own schedule into the MEDHUB system. This will serve as a time log for duty hours and pay periods – therefore, it must be accurate.

Evaluation Criteria and Definitions:

The following scale will be used by residents, preceptors and the RPD when evaluating resident performance. All NI and SP will provide criteria-based feedback that is actionable, forward facing and provide specific examples for improvement. Timeliness of feedback is important to allow for correction and growth. Evaluations should be completed no later than 7 days of the due date.

Needs Improvement (NI) – the resident demonstrates need for continued practice and improvement or exposure. The resident is not able to complete tasks independently (< 50% of the time)

Satisfactory Progress (SP) – the resident is able to complete the task, but has areas for improvement (50-79% of the time)

Achieved (ACH) – the residents is able to complete the task independently at the level expected by the preceptor in that specific learning experience (≥ 80% of the time)

Achieved for Residency (ACHR) – the resident is able to complete the task independently in a variety of settings at the level expected for program completion. Additionally, the resident needs to have achieved the objective being evaluated on at least one other previous learning experience.

PGY2 Cardiology Pharmacy Residency Program
UPMC Presbyterian University Hospital
in collaboration with
University of Pittsburgh School of Pharmacy
Program Structure

Required Learning Experience	Duration	Semester	Notes
Concentrated			
Orientation	2 weeks (early commit) 4 weeks (new resident to institution)	1	
Cardiac ICU (CICU)	1 month	1	
Advanced CICU	1 month	2	
Precepting	5 weeks	2	Resident will serve as a primary preceptor for 1 APPE student
Cardiothoracic ICU (CTICU)	1 month	2	
Advanced Heart Failure	1 month	1	
Cardiac Pavilion (General Cardiology)	1 month	1	
Heart Transplantation/Mechanical Circulatory Support	1 month	1	
Clinical Outcomes/Research	1 month	2	
Academic Pharmacy	1 month	1	
Elective†	2 or 3 months	1 or 2	Depending on orientation
<i>Total</i>	12		
Electives			
Advanced HF & Pulmonary Hypertension Clinic	5 months	1 and 2	
Research Project	12 months	1 and 2	
Anticoagulation Committee	12 months	1 and 2	
Pharmacogenomics	9 months	1 and 2	
Code Response	6 months	1 and 2	

†Electives may include a learning experience not required (i.e., post-cardiac arrest, electrophysiology, etc.) or can be a repeat of a required experience where the resident demonstrates a specific interest and the experience could be customized to a different focus and/or more advanced level of practice.

Requirements for Successful Completion of PGY-2 Cardiology Residency Program

1. Pharmacist licensure obtained in the state of Pennsylvania by September 30th
2. Successfully complete all learning experiences (as defined in the program structure grid above) and associated evaluations.
 - a. Successful completion is defined as attainment of “Achieved for Residency” on at least 80% of program objectives, including 100% of program objectives related to patient care. The resident also cannot have any objectives outstanding that “need improvement.”
3. Residents must also complete the following required projects/experiences:
 - a. PULSE presentation (Pharmacotherapy Updates: Lecture Series & Continuing Education) presentation
 - b. Pharmacy Department staff in-service
 - c. Research Project with abstract submission to ACC Pharmacist poster session and presentation at the UPMC Residency Research Day
 - d. Research project manuscript draft suitable for submission to a peer-reviewed pharmacy or medical journal
 - e. Present at least one didactic lecture and facilitate at least one practicum in the *Pharmacotherapy of Cardiovascular Disease* course curriculum.
 - f. Present at least one disease state topic in the *Acute Care Simulation* course curriculum.
 - g. Engage in at least one professional organization, such as becoming an active member of the ACCP Cardiology PRN.
4. Additionally, the resident must complete and submit documentation of the following items below in order to obtain the residency certificate. These will be completed prior to the end of the residency program.

**Date
Completed**

Item

_____	All relevant residency documentation of the above required projects/experiences in PharmAcademic® (i.e., documentation of completed projects, presentations, evaluations, etc.)
_____	Updated resident <i>Academic and Professional Record</i>
_____	Updated CV
_____	Tentative research project publication title: _____
_____	Journal to be submitted to: _____
_____	Tentative submission date: _____
_____	Forwarding address: _____
_____	Phone no. _____ Email: _____