



**Cleveland Clinic**  
 Department of Pharmacy  
 PGY2 Oncology Residency  
 Program Purpose Statement

PGY2 residency programs build upon Doctor of Pharmacy (PharmD) education and PGY1 pharmacy residency training 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 residency programs are prepared for advanced patient care or other specialized positions, and board certification in the advanced practice area, if available.

The Oncology PGY2 Residency is a one-year training program that provides an opportunity for the resident to develop the necessary skills for specialized practice in oncology pharmacy. The program provides the clinical experiences and leadership needed to create a well-rounded, competent oncology pharmacist or clinical specialist.

The resident will develop knowledge and expertise in many aspects of oncology therapeutics. This knowledge base will allow the resident to contribute independently to an interdisciplinary health care team by offering therapeutic interventions to treat, cure, rehabilitate and alleviate medical conditions and disease unique to cancer patients. The program will also enhance problem solving skills, oncology research and communication skills. Required rotations include solid tumor oncology, leukemia, bone marrow transplant, lymphoma/myeloma, pediatric oncology, management/investigational drug service. The resident may also choose electives in a variety of different areas listed below. Additionally, other elective learning experiences may be developed based on resident interest and preceptor availability. The resident will participate in pharmacy journal club, case conference, drug and disease state presentations during oncology weekly, student topic discussions and presentations, and review of chemotherapy order sets. They will also conduct a research project, medication use evaluation and present a one-hour seminar.

**Program Structure**

Residency program experiences include a combination of concentrated, extended, and longitudinal rotation experiences. Residents must complete all required rotations and 2 elective rotations. Availability of experiences are as follows:

Learning Experience	Duration	Designation	Comments
Orientation	4 weeks	Required	First rotation
Inpatient leukemia	4 weeks	Required	
Inpatient bone marrow transplant	4 weeks	Required	
Inpatient cellular therapies	2 weeks	Required	
Inpatient pediatric hematology and oncology	4 weeks	Required	
Lymphoma/myeloma	4 weeks	Required	
Solid tumor oncology clinic I	4 weeks	Required	Specialty area: GI, breast, lung
Solid tumor oncology clinic II	4 weeks	Required	Specialty area: GI, breast, lung
Solid tumor oncology clinic III	4 weeks	Required	
Hematology clinic	2-4 weeks	Elective	Specialty area: BMT, leukemia, myeloma
Immunocompromised infectious diseases	2 weeks	Elective	Required if not completed as a PGY1 resident
Inpatient solid tumor oncology	2-4 weeks	Elective	
Oncology informatics	2 weeks	Elective	
Specialty Pharmacy	2 weeks	Elective	
Gynecologic Oncology	2 weeks	Elective	
Inpatient rotation II	4 weeks	Elective	Second half, any previously taken inpatient rotation

Outpatient rotation II	4 weeks	Elective	Second half, any previously taken outpatient rotation
Chemotherapy Operations and Investigational Drug Services	Longitudinal (4 weeks dedicated time)	Required	Weekends: Equivalent of 15 weekends per year (30 8-hour shifts) 2 Cleveland Clinic recognized holidays 3 weeks staffing, 1 week investigational drug services
Research/Quality Improvement Project (Large)	Longitudinal (2 – 5 hr/week) plus (4 weeks dedicated time)	Required	See research timeline for more details
Oncology Leadership and Formulary Management	Longitudinal (2 weeks dedicated time)	Required	Rotation requirements include but are not limited to completion of MUE, drug monograph, and beacon validations. Attendance and participation at Hematology/Oncology P&T and Chemotherapy safety are required.
Oncology weekly/Presentations	Longitudinal (2 – 5 hr/month depending on schedule)	Required	Presentation forums included but are not limited to Oncology Weekly, resident education conference, hematology/oncology fellow orientation, local/state/national conferences. Attend education conference twice monthly when not presenting
Resident on call	Longitudinal minimum of 10 24-hour shifts <sup>1</sup>	Required	Activities and number of shifts to be dependent on departmental needs, but will equal approximately 15-16 shifts for the year.
DUE/Small Project	Longitudinal (1 – 2 hr/month)		

\*\*Please note some longitudinal activities (research, oncology weekly/presentations) may require time outside of work and duty hours\*\*

<sup>1</sup>Resident on-call shifts consist of 24-hour on-call pager coverage, and six-hour on-site duties (on-site shift from 3-9 pm)