

PGY1 Pharmacy Residency at Mayo Clinic Hospital – Rochester

As one of the largest, most advanced integrated hospitals in the world, Mayo Clinic is internationally recognized as a preeminent health care organization. In August 2017, for the second year in a row, *U.S. News & World Report* named Mayo Clinic as the nation's No. 1 hospital. With over 2000 inpatient beds and innumerable outpatient clinics that account for 1.4 million appointments annually, Mayo Clinic provides the ideal environment to complete postgraduate pharmacy residency training.

Mayo Clinic's three interlocked shields symbolize patient care, research, and education. The PGY1 pharmacy residency curriculum is designed to provide high-quality experiences in each of these areas, with the goal of developing a well-rounded, fully competent clinician capable of providing advanced pharmaceutical care to a multitude of patient populations. Learning experiences include one-on-one instruction and guidance as the resident learns to treat a wide spectrum of diseases, from the common to the very rare.

The PGY1 pharmacy residency at Mayo Clinic Hospital – Rochester is celebrating its 45th year in 2017. Pharmacy residents work side by side with world-class pharmacists, providers, scientists, and allied health staff who have a single, unified vision: the needs of the patient come first. Within Mayo Clinic's state-of-the-art facilities and through its unparalleled resources and mentorship from some of the most highly regarded clinicians in the profession, resident graduates can transform pharmacy practice.

Patient Care

Through required learning experiences, the PGY1 resident functions as an integral member of the interdisciplinary medical team. In addition, the resident can choose up to five elective learning experiences, individualizing the resident's year in order to fulfill personal and professional goals. Required block learning experiences include general cardiology, critical care, infectious diseases, internal medicine, and surgery. Elective learning experiences are available in almost every subspecialty of acute and ambulatory care practices. Please visit Mayo Clinic's [website](#) for examples of commonly completed elective experiences.

Mayo Clinic currently has over 60 PGY1 pharmacist preceptors to guide the resident through patient care experiences by instructing, modeling, coaching, and facilitating. Preceptors are vital to supporting the resident's longitudinal experiences throughout the year. Preceptors provide guidance and serve as mentors to the resident on longitudinal experiences, including a research project worthy of publication, a quality improvement project, a teaching and learning certificate, and continuing education presentations.

Research

Taking on a research project worthy of publication can sound intimidating, but each resident receives comprehensive education and dedicated mentorship to ensure success. Over the past decade, the Mayo Clinic PGY1 research project publication rate in peer-reviewed journals has been maintained at over 70%.

Residents' research-related education is provided through an NIH-funded research curriculum. This self-paced program consists of about 60 hours of didactic education to help residents create, advance, and transform their research practice, with focuses on the

fundamentals of clinical and translational science, clinical epidemiology, and statistics in clinical research. Additional didactic and “hands-on” training is provided in two all-day research workshop retreats. A host of topics are included in this training, such as navigating the institutional review board (IRB), developing and managing databases, and using statistical software programs. A seminar on “Writing for Biomedical Publications” is an option residents may request to attend.

Residents begin research projects by being matched with experienced pharmacist mentors and physician collaborators on the basis of residents’ clinical practice interests. Following this pairing, residents and mentors work together to refine the research question. Under the guidance of their mentors, residents are primarily responsible for protocol development, IRB submission, data collection, data management, and manuscript writing. Each resident is afforded \$2500 to offset research-related costs (e.g., data pulls, abstract and publication fees), together with dedicated support from a Mayo Clinic biostatistician throughout the project’s planning, data collection, and data analysis phases.

Education

Residents participate in a clinical teaching and learning certificate program. The curriculum includes both didactic and experiential teaching with a focus on interdisciplinary education. Residents are assigned a mentor who is dedicated to help guide them through this longitudinal learning experience.

As part of the program’s education requirements, residents present three live ACPE-accredited Mayo Clinic Pharmacy Grand Rounds that are nationally broadcast to all Mayo Clinic hospitals, facilities, and clinics. Learners for Mayo Clinic Pharmacy Grand Rounds include pharmacists, nurse practitioners, physician assistants, and physicians, making this a true interdisciplinary teaching opportunity. Additional unique education experiences for residents include precepting pharmacy students and interns as well as precepting medical students on a clinical pharmacology rotation. Finally, the International Health rotation, if selected, allows residents to use the medical education skills learned throughout the year to teach health care providers on a global level.

Regardless of the resident’s teaching and education interests, the PGY1 program can be tailored to meet those needs and prepare them for their next career path.

Closing Thoughts

In completing a PGY1 pharmacy residency at Mayo Clinic Hospital – Rochester, you can be assured that our program will be tailored to fit your individual needs. We also understand that your career goals, specific interests, and life may change frequently. Accordingly, we often address these issues as well as whether a PGY2, a fellowship, or start of a career will follow your PGY1. Moreover, the foundation and flexibility of our program will allow you to garner unique experiences throughout the year to facilitate your future success.

For more information about the PGY1 pharmacy residency at Mayo Clinic Hospital – Rochester or any of the other Mayo Clinic programs, please visit our [website](#).

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