

## University of Michigan Hospitals and Health Centers

The University of Michigan Hospitals and Health Centers is the largest health system in Michigan and is nationally recognized as a leader in patient care. The University of Michigan Health System (UMHS) encompasses three hospitals—University Hospital, C.S. Mott Children’s Hospital, and Von Voigtlander Women’s Hospital—as well as an ambulatory network of more than 120 clinics. The health system’s main campus is located in Ann Arbor, Michigan and is home to the University of Michigan Medical Center. The Medical Center has over 1000 beds and is home to level 1 adult and pediatric trauma centers, a level 1 burn center, and the Michigan Congenital Heart Center—one of the largest congenital heart centers in the country. It serves as the primary teaching hospital for the university’s nationally ranked medical and pharmacy schools.

The UMHS pharmacy residency programs, with their rich history as among the first accredited pharmacy residency training programs in the nation, will celebrate their 90th year in 2018. The pharmacy residency programs at UMHS currently have 27 pharmacy residents enrolled in 13 unique training programs, which include:

2017–2018:

PGY-1 Community Pharmacy

PGY-1 Managed Care Pharmacy

PGY-1 Pharmacy Practice

PGY-1/2 Health System Pharmacy Administration

PGY-2 Ambulatory Care

PGY-2 Cardiology

PGY-2 Critical Care

PGY-2 Infectious Diseases

PGY-2 Oncology

PGY-2 Pharmacy Informatics

PGY-2 Pediatrics

PGY-2 Solid Organ Transplant

PGY-2 Psychiatric Pharmacy

(new for 2018–2019) PGY-1/PGY2 Investigational Drug Services

The mission of the UMHS PGY-1 and PGY-2 pharmacy programs is to develop the practice, teaching, and research skills of pharmacy residents and to nurture the pursuit of professionalism, personal excellence, and leadership in the field of pharmacy. To achieve these objectives, the pharmacy residency programs at UMHS are dedicated to the following core components:

### 1. Patient Care

Pharmacy residents gain patient care experience by completing 10 month-long resident rotation experiences throughout the year. Residents train with experts in pharmacy practice and learn to provide care as independent practitioners. PGY-1 residents have over 50 different rotations spanning all areas of clinical practice to choose from in building their schedule and can design their training to fit their interests. In addition to rotation experiences, residents participate in the Resident On-Call program and share responsibility for responding to the hospital’s code blue events.

### 2. Education

The UMHS pharmacy residency is highly integrated with the University of Michigan College of Pharmacy. Pharmacy residents are appointed as adjunct clinical instructors at the college and are actively involved in educating Pharm.D. students through both didactic and experiential teaching experiences. Pharmacy residents assist clinicians with precepting Pharm.D. students on clinical rotations and are co-instructors for several different courses. In addition, pharmacy residents interact with medical residents and students and often provide education while rounding with the interdisciplinary team. The pharmacy residency programs at UMHS also offer a teaching certificate program, which provides residents with

the opportunity for additional teaching experience and seminar workshops. Each resident presents a live ACPE-accredited presentation to enhance patient care outcomes and advance the profession of pharmacy within UMHS.

### **3. Research**

As a research-intensive institution, UMHS expects residents to contribute to the pharmaceutical literature. Residents select a project of interest at the beginning of the residency year and take the project from start to finish. Many resident projects become published in peer-reviewed journals. The longitudinal Resident Research Series conducted by the University of Michigan College of Pharmacy teaches residents the skills necessary to conduct independent clinical research, including study design, analysis, and dissemination. A unique experience of UMHS residents consists of writing an additional article suitable for publication such as review articles, case reports or case series with a review of the pertinent literature, or survey studies with a literature review. Pairing up with a “writing mentor” in the institution, residents learn to prepare a manuscript while becoming deeply familiar with an area of their interest.

### **4. Community**

“Patients and Families First” is the motto of UMHS. The pharmacy department within UMHS strives to see patients and their families through many services and locations. In addition to providing excellent clinical services to patients and families, the UMHS pharmacy residency programs believe it essential to give back to the community they serve. Each residency class plans and organizes at least two major community service events each year. Community service events have included cooking and serving dinner for patients and families at the Ronald McDonald House, sorting and packing donated food for redistribution to alleviate hunger in the community, and serving as preceptors at a student-run free clinic for the underserved.

For more information about the UMHS pharmacy residency programs, please visit the [UMHS residency website](#).

