

## **PGY-1 Pharmacy Residency Opportunities of Emphasis**

*Huntsville Hospital affords its PGY-1 pharmacy residents numerous opportunities to gain added experiences in several areas of pharmacy practice. These areas of emphasis are offered due to our high patient load and/or number and level of expertise of preceptors in these areas. Residents should note that this “added emphasis” will be accomplished within the framework of our accredited PGY-1 pharmacy residency. The resident’s certificate will NOT indicate a specific focus, but the emphasis on a specific practice area will be evident on the resident’s curriculum vitae. Residents may choose to concentrate in one of the areas listed (or possibly others) or to complete a more traditional PGY-1 general pharmacy residency with no particular emphasis:*

### **CARDIOLOGY**

With over 150 beds (including 34 in three cardiology ICUs) and 3 clinical pharmacy specialists dedicated to patients with cardiac-related illnesses, Huntsville Hospital is a major cardiac center. Highlights of our cardiac program include:

- More than 6,000 cardiac catheterizations and approximately 2,000 PCIs per year
- Anticoagulation and Heart Failure Clinics
- 500 active patients in the Heart Failure Clinic, 25 infusion chairs
- Over 1,000 cardiothoracic surgeries annually
- 34 Cardiac ICU beds; 5 cardiac step-down units
- Clinical Trials
- Electrophysiology Lab; Stress Testing
- Chest Pain Center in ER
- Cardiovascular Service Line and Cardiac P&T
- 30 cardiologists and 6 cardiothoracic surgeons



### **CRITICAL CARE/TRAUMA**

With a Level 1 trauma designation, the busiest ED in the state, nine intensive care units, and numerous “step-down” and specialty care units, Huntsville Hospital is a major critical care and trauma center. All intensive care units have a dedicated clinical pharmacy specialist assigned. In 2010, we added two PGY-2 critical care pharmacy residents in response to our emphasis on and commitment to critically ill patients. Examples of our critical care/trauma services include:

- Level 1 trauma designation, with a dedicated ED trauma suite, twenty-five-bed surgical/ trauma ICU, and an eighteen-bed neurological/trauma ICU (including a Stroke Alert Team)
- Two ten-bed coronary care ICUs, with active Heart Alert Team
- Fourteen-bed cardiovascular surgery ICU
- Twenty-six-bed medical ICU
- Ten-bed pediatric ICU
- Adult ICU at Women’s and Children’s facility
- State-of-the-art neonatal ICU and step-down unit (50+ beds)
- MedFlight helicopter providing service to northern Alabama and south-central Tennessee
- Numerous progressive care and specialty practice areas, including neurology, surgery, cardiology, pulmonology, pediatrics, nephrology, oncology, and others.

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### **ONCOLOGY**

Huntsville Hospital's expanding oncology program is supported by 3 clinical pharmacy specialists along with dedicated pharmacists and technicians involved in the preparation of chemotherapy. In 2020, we added a PGY-2 oncology pharmacy resident. Services include inpatient oncology unit, outpatient chemotherapy program, and autologous bone marrow transplantation. Our pharmacy specialists are involved in rounding and consulting with oncologists, patient and professional education, and investigational drug studies.



### **INFECTIOUS DISEASES**

Our Antimicrobial Management Team (AMT) is strongly integrated into the antimicrobial usage and monitoring process at Huntsville Hospital. A member of the AMT rounds with an infectious disease specialist Monday through Friday and proactively works to provide appropriate antimicrobial stewardship. The AMT reports to the P&T Committee through the Antimicrobial Sub-committee and is heavily involved with the infection control process within the hospital. AMT is also involved in investigational drug studies. In 2018, we added a PGY-2 infectious diseases pharmacy resident in response to our emphasis on and commitment to antimicrobial stewardship.

### **ACADEMIA**

Auburn University Harrison School of Pharmacy has placed four full-time faculty members at Huntsville Hospital. These faculty members practice in ambulatory/primary care and internal medicine. Residents have the opportunity to round with these preceptors in addition to gaining further experience in the area of academic pharmacy practice. Opportunities for added experiences in academia include:

- Precepting of students assigned to the Huntsville region (generally, >15 students in a given month)
- Delivery of didactic lectures on the Auburn campus or via webcam
- Facilitation in Auburn's case-based pharmacotherapy course
- Seminars with both distance and campus faculty regarding academic issues and practices
- Teaching certificate program available (*not required*)

### **PEDIATRICS**

Huntsville Hospital for Women & Children (HHWC) is connected by automated tram to the main facility. The HHWC Pharmacy's dedicated pharmacy is augmented by a pediatric clinical specialist, a neonatal clinical specialist, and a pediatric ER specialist. Opportunities exist in:



- General inpatient pediatrics
- Pediatric ICU (10 beds)
- Pediatric outpatient clinic
- Neonatal ICU (50+ beds)
- Pediatric ER
- Affiliated St. Jude outpatient clinic
- Sickle Cell Clinic