**UNC Health Care**
- Composed of 8 hospitals across the state of North Carolina
  - UNC Medical Center (main campus, Chapel Hill, NC)
  - UNC Hillsborough Campus
  - Rex Healthcare
  - Chatham Hospital
  - High Point Regional Health
  - Caldwell Memorial
  - Pardee Hospital
- UNC Physician’s Network – provides clinic based services to all 100 counties in North Carolina

**UNC Medical Center**
- Public Academic Medical Center includes:
  - NC Cancer Hospital
  - NC Children’s Hospital
  - NC Memorial Hospital
  - NC Neurosciences Hospital
  - NC Women’s Hospital
- 803 inpatient beds (92 ICU)
- >37,000 discharges annually
- >1.3 million clinic visits per year
Distinguishing Characteristics

- Level 1 Trauma Center
- Largest regional Burn center (NC Jaycee Burn Center)
- NCI Designated Comprehensive Cancer Center
- American Heart Association Lifetime Gold Status
- Regional Hemophilia Center
- JCAHO-designated comprehensive stroke center

UNC Medical Center Department of Pharmacy

- Director: Rowell Daniels, PharmD, MS
- 363 FTEs (402 employees)
  - 120 pharmacists FTE
  - 136 technicians FTE
  - 74 administrative staff FTE
  - 33 pharmacy residents FTE
- Decentralized, service-line based model of pharmacy practice
- Fully automated distribution system
- EPIC implemented in April 2014

Partnership in Patient Care

- Joint Collaborative between UNC Hospitals and the UNC Eshelman School of Pharmacy
- UNC Chancellor
- UNC Health Care CEO
- UNC ESOP Dean
- UNC Hospitals Director of Pharmacy
- Mutually beneficial relationship that complements each individual organization’s mission
- Exists to support the patient care, teaching, and research efforts of both organizations
- Develop a ‘one pharmacy community’ mindset.

Residency Program Overview

Residency Programs Offered

- PGY2 Specialty Practice
  - Ambulatory Care
  - Cardiology
  - Critical Care
  - Health-System Medication-Use Management
  - Hematology/Oncology
  - Infectious Diseases
  - Pediatrics
  - Psychiatry
  - Solid Organ Transplant

- Combined PGY1/PGY2
  - PGY1/PGY2/MS Administration
  - PGY1/PGY2 Pharmacotherapy

- PGY1 Pharmacy Practice
  - Pharmacy Practice
  - Pharmacy Practice (International)
  - Ambulatory Care

History of Residency Training

- Postgraduate training programs started at UNC Hospitals in 1967, with 2 residents
- Since then, the program has grown to its current size, incorporating 33 residents in 13 distinct training programs
**UNC Pharmacy Training Programs**  
**Clinical Practice**

- More than 60 active preceptors
- Active participation on nearly all medical, surgical, and subspecialty services hospital-wide
- Robust ambulatory care programs with >23 CPP-licensed preceptors
- Extensive experiences with clinical management preceptors

**Locations of CPP Pharmacists**

- Endocrine – Highgate (near South Pointe)
- Anesthesiology / Pain Management – Southern Village
- Family Medicine – Manning Drive
- Carolina Advanced Health (Family Medicine) – Quadrangle
- Internal Medicine – Ambulatory Care Center
- Geriatrics – Carolina Pointe
- Cardiology – Meadowmont
- Infectious Diseases / HIV – Main Hospital
- Solid Organ Transplant – Main Hospital
- Palliative Care – Cancer Hospital / Carolina Pointe
- Bone Marrow Transplant – Cancer Hospital
- Malignant Hematology – Cancer Hospital
- Solid tumors – Cancer Hospital
- Rheumatology – Carolina Pointe
- Hepatology – Main Hospital
- Neurology – Prestwick Place
- Carolina Assessment of Medications Program – Main Hospital
- Psychiatry – Main Hospital

33 Total  
22 in existence  
11 In Progress

**UNC Pharmacy Training Programs**  
**Clinical On-Call**

- Off site Clinical On-Call program  
  - 24-hour on-call coverage once a month
  - Respond to rapid strep, enterococcus and candida test results
  - Start appropriate antimicrobial coverage
  - Any additional clinical questions overnight

**UNC Pharmacy Training Programs**  
**Research & Leadership**

- Residents all complete a longitudinal research project
  - Flipped research model for PGY-1 practice residents
- Publication requirement
  - All residents are required to submit an article, etc, for consideration for publication
- Leadership certificate
  - Individual and group-based activities focused on developing residents as leaders

**UNC Pharmacy Training Programs**  
**Clinical Education**

- Education and teaching is at the core of the experiences for resident learners
- >35 students complete PY4 rotations at UNC Hospitals, allowing residents opportunity to precept
- Participation in group-based teaching sessions
- Serve as TA's at UNC Eshelman School of Pharmacy
- Competitive teaching certificate program administered through UNC Eshelman School of Pharmacy
### UNC Pharmacy Training Programs

**Training Environment**

- **Mentorship**
  - Individual (longitudinal)
  - Research
  - Teaching
- **Collegiality / Family**
  - Residents are encouraged to participate in group bonding activities and weekends to foster professional and personal networking

### 5 National Best Practices Awards

- **2014** - Advancing Pharmacy Practice Through an Innovative Ambulatory Care Transitions Program
- **2013** - Advancing into Unchartered Territory: Impact of an Innovative Factor Stewardship Program on Drug Expense, Patient Care, and a Pharmacist's Role
- **2012** - Maximizing the Impact of Pharmacists Across Transitions of Care: Hematopoietic Cell Transplant as a Best Practice Opportunity for Clinical Pharmacists
- **2011** - Development, Implementation, and Impact of a Comprehensive, Medical Service Based Pharmacy Practice Model that Maximizes Pharmacist Involvement in the Patient Care Setting

### Resident Bonding

- **Ropes Course**
- **Bonding Weekend**
  - Cookout
  - Scavenger Hunt

### Where are they Now?

- Residents graduating from UNC Pharmacy Training programs now work across the country and around the world
  - Majority are working in the clinical or academic setting
  - >85% are actively involved in teaching, either as a clinical preceptor or residency program director
  - Many are involved at the local, state, national, and international level in clinical pharmacy practice and leadership