



Duke Graduate Medical Education

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DukeHealth



Our Values



Duke Health

Excellence

Integrity

Teamwork

Respect

Innovation



Duke University Health System

Caring for our patients, their loved ones and each other.

Excellence

Safety

Integrity

Diversity

Teamwork



School of Medicine

Excellence in education, research and patient care

Respect for and inclusion of people from all backgrounds

Commitment to service, solving real world problems

Sense of urgency in transforming discoveries into improved human health



School of Nursing

Excellence

Integrity

Collaboration

Respect

Innovation

Diversity & Inclusiveness



Duke-NUS Medical School

Passion for a Cause

Collaboration & Teamwork

Innovation & Creativity

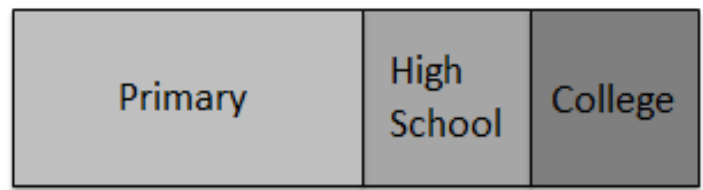
Diversity & Respect

Professional Conduct

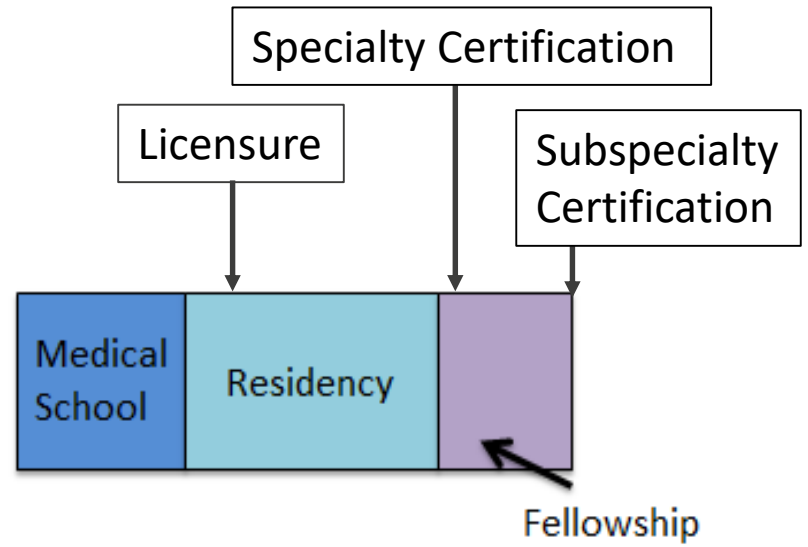
Advancing Health Together



Path to becoming a Doctor



Total of 16 years



Total of 7-12 years
GME 3-10 years



Graduate Medical Education

- Hybrid of learner & employee
- On-the-job training (3-7 years)
- High level of supervision by faculty
- Oversight & regulation
- Progressive increase in responsibility
- Ends with:
 - Board Certification
 - Independent practice



SIZE AND SCOPE OF DUKE GME PROGRAMS

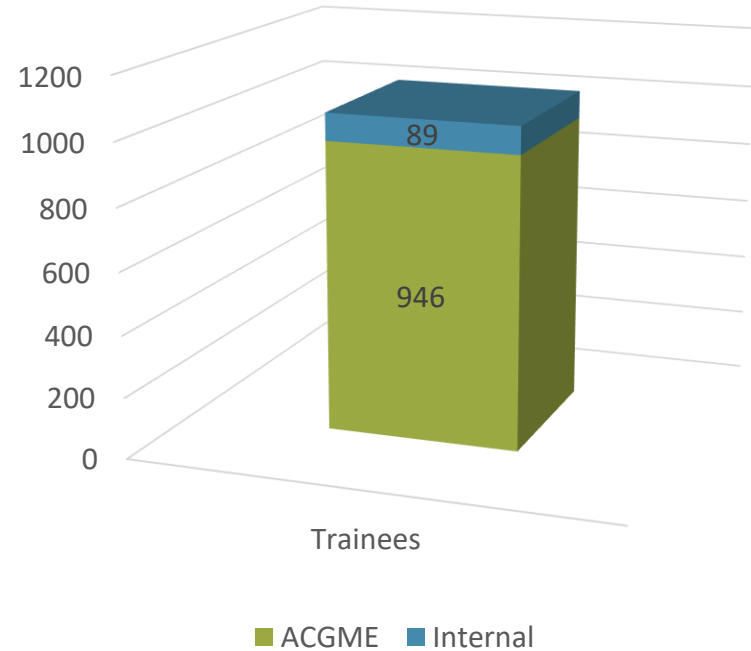
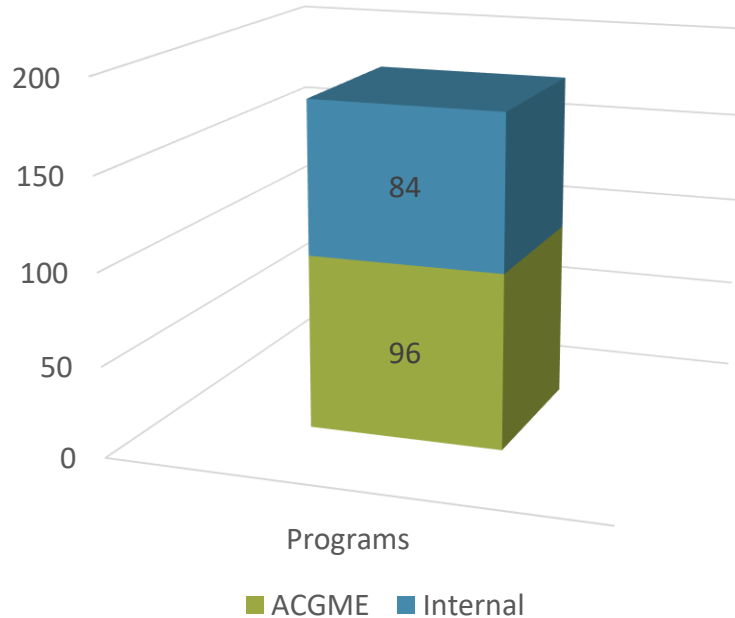


Duke Graduate Medical Education

- Largest Sponsoring Institution for GME in NC
- Total trainees (FY18) = 1035
 - 657 residents, 358 fellows
- 180 Programs
 - 28 residencies, 152 fellowships
- Serves over 200 medical students as the primary teaching site for Duke School of Medicine, and other HPE programs



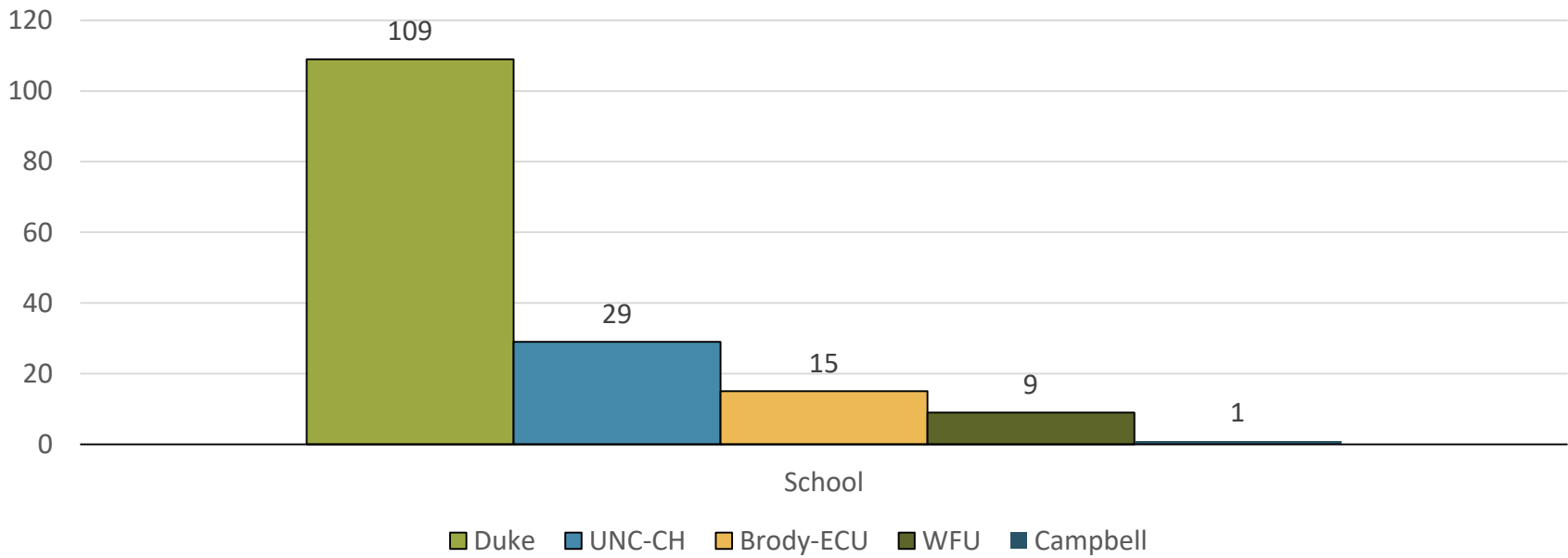
Duke GME Programs and Trainees





NC Medical Schools of Origin-Duke GME Trainees

Duke trainees FY18

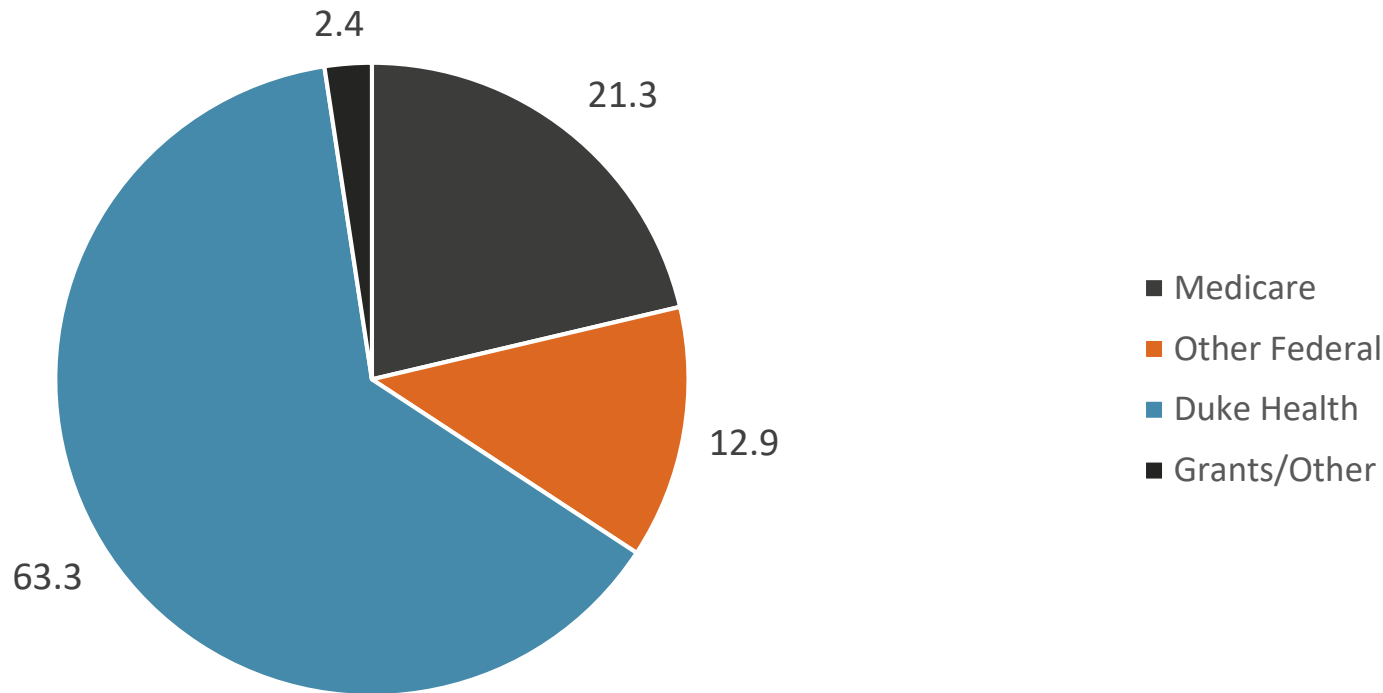




GRADUATE MEDICAL EDUCATION FINANCES



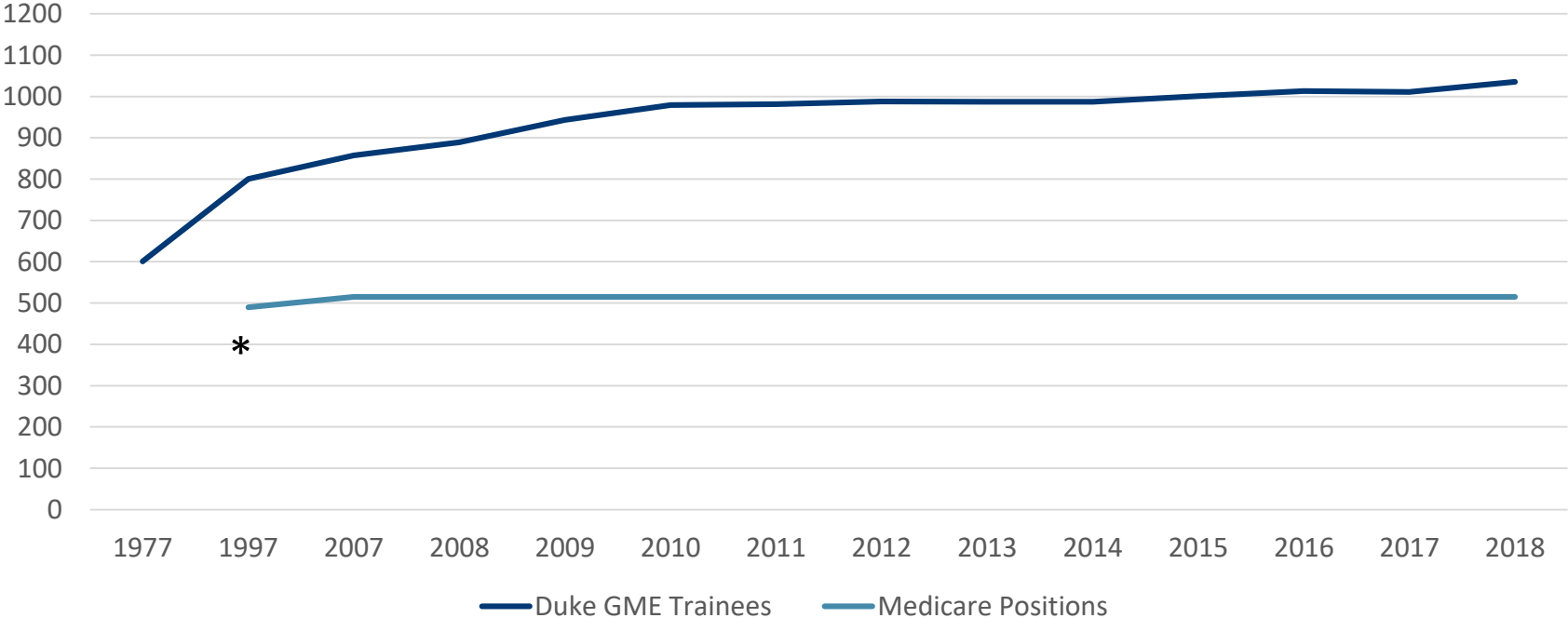
Sources of Funding for Duke GME



FY17



Trends: Duke GME growth & Medicare Cap



* MCR cap established 1996, 422 cap adjustment in 2005



Medicare Funding for GME

- Average DGME Cost per Trainee (FY17)
\$127,000
- Duke PRA (FY17): \$83,300
- MCR-Based Reimbursement based on FY17
National PRA: \$107,000



DUHS expenses for GME (partial)

• Accreditation/Match fees	475,000
• Management Software	170,000
• GME Office Expenses*	<u>3,000,000</u>
	<u>\$3,645,000</u>
• Trainee Stipends, Fringe	70,000,000
• Total	\$73,645,000

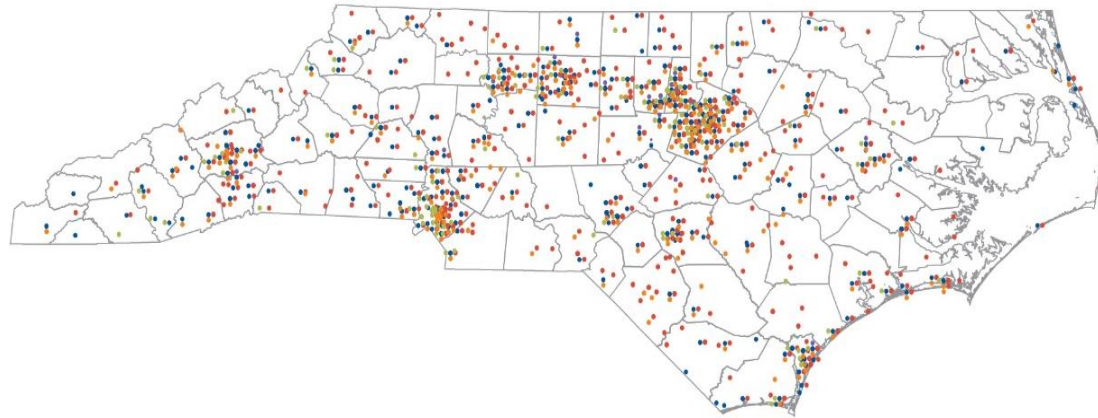
*Includes non-faculty staff salaries



BENEFITS OF DUKE GME TO NORTH CAROLINA

More than 7,000 Duke-trained healthcare professionals live and work in North Carolina

• Physicians	3,348
• Nurses	2,734
• Physician Assistants	653
• Physical Therapists	299
• Pathology Assistants	28
Total	7,062



Since 2014, an increase of nearly 500 Duke-trained physicians working in NC
Duke NP and PA schools graduate 175 and 90 students each year

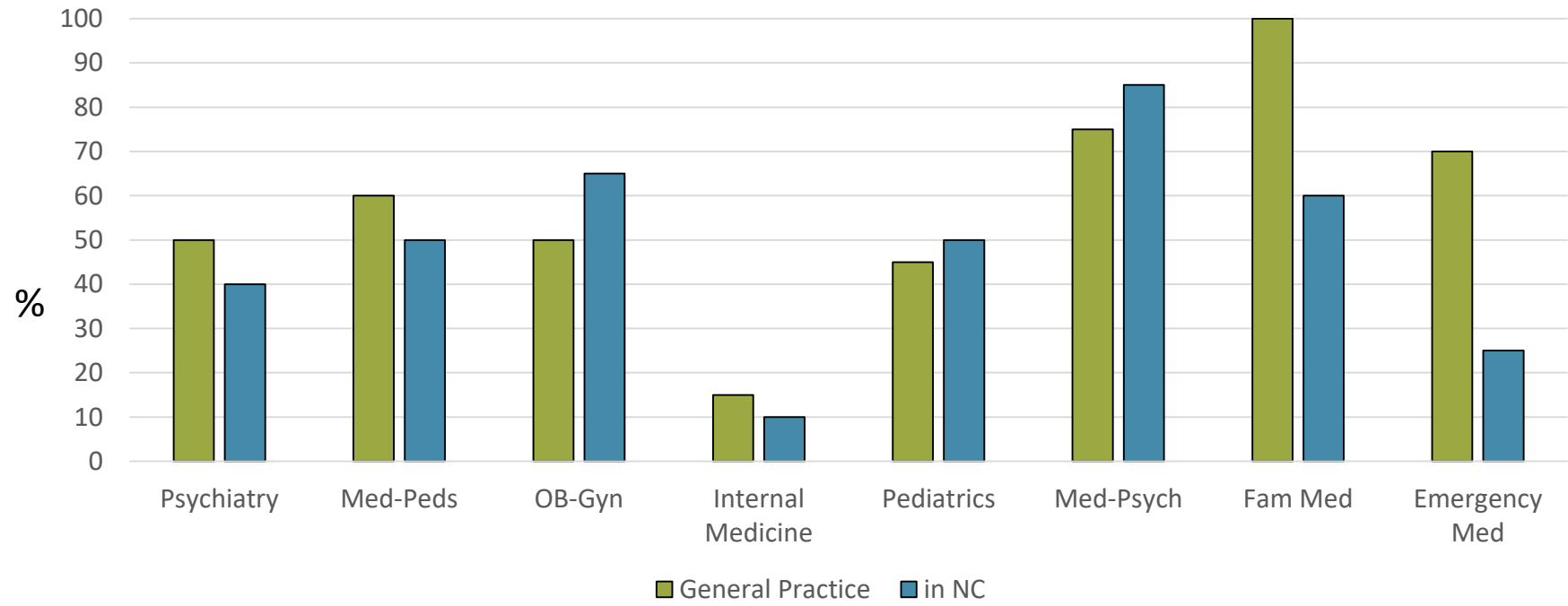


Duke GME and Primary Care

- Family Medicine Residency Expansion
 - Via Rural Track Training Program
 - Oxford NC--partnership with Mariah Parham Hospital
- Pediatric clinics
 - Residents: 100% Medicaid patients
 - Faculty: 60-70% Medicaid patients
- Internal Medicine Clinics
 - Residents: 80% of patients are Medicare or Medicaid



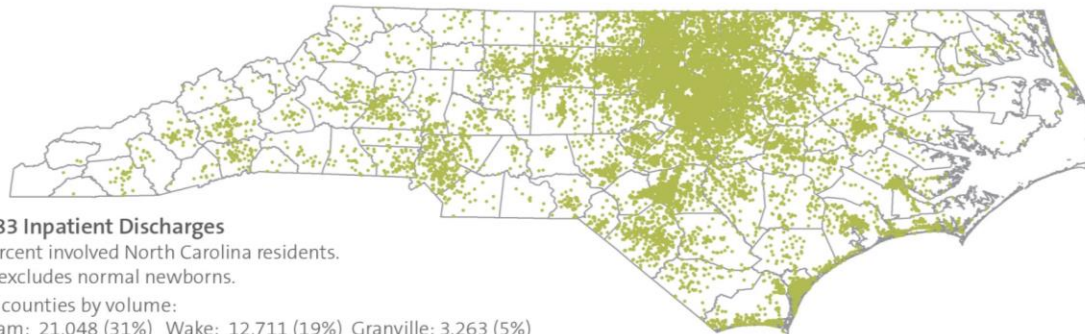
Duke GME trainee practice settings



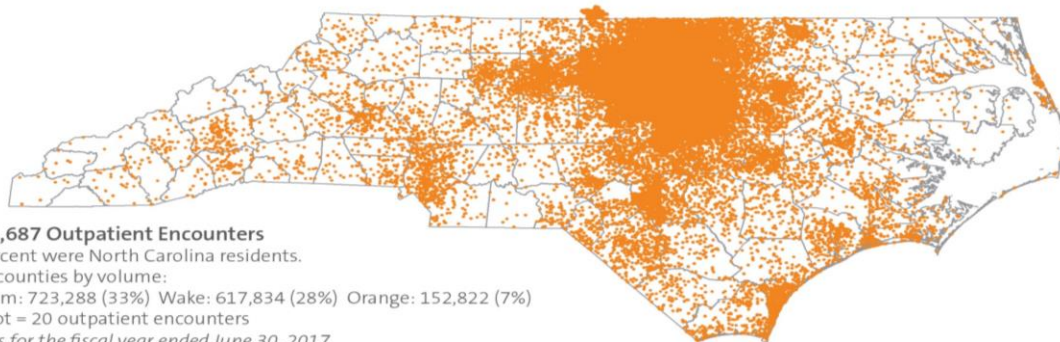
Graduate matriculation since 2012

Duke provides care to North Carolina's citizens

- 92 % of inpatient discharges
- 95 % of outpatient encounters



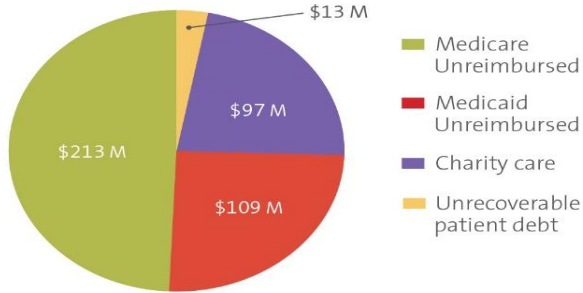
68,483 Inpatient Discharges
92 percent involved North Carolina residents.
Total excludes normal newborns.
Top 3 counties by volume:
Durham: 21,048 (31%) Wake: 12,711 (19%) Granville: 3,263 (5%)
one dot = one inpatient discharge
Figures for the fiscal year ended June 30, 2017



2,173,687 Outpatient Encounters
95 percent were North Carolina residents.
Top 3 counties by volume:
Durham: 723,288 (33%) Wake: 617,834 (28%) Orange: 152,822 (7%)
one dot = 20 outpatient encounters
Figures for the fiscal year ended June 30, 2017

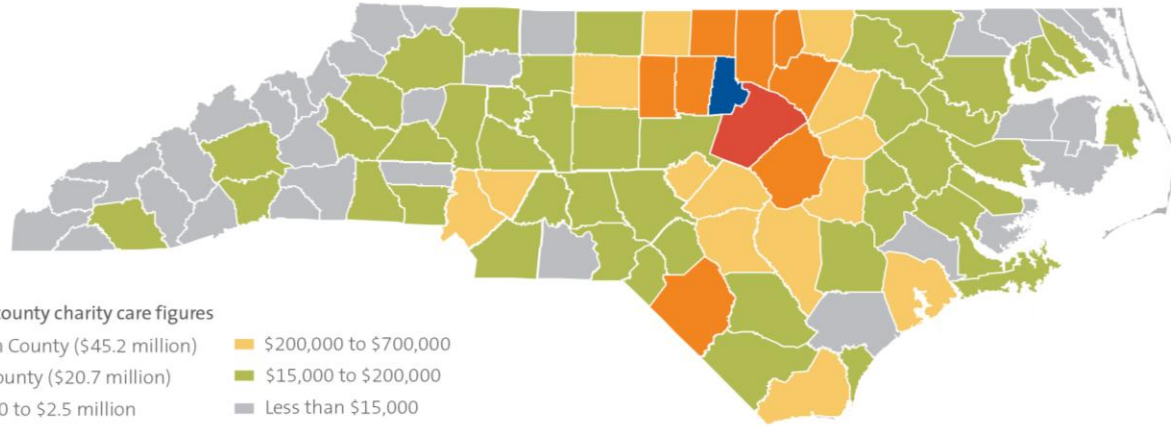
\$432 Million

Costs Duke covers for charity care and other unreimbursed expenses



Categories as defined by the IRS. All dollar figures are at estimated cost for the fiscal year ended June 30, 2017.

Large amount of charity care & unreimbursed care to NC citizens



All dollar figures are at estimated cost for the fiscal year ended June 30, 2017



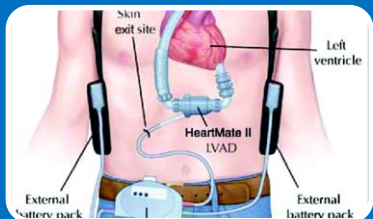
Unique training programs (partial list)

- **Community Health Focused**
 - Combined medicine/psychiatry
 - Combined medicine/pediatrics
- **Public Health/Military**
 - Undersea/Hyperbaric Medicine
 - Emerging/serious infectious disease
- **Pediatric Services**
 - Child Abuse Pediatrics
 - Medical Biochemical Genetics
 - Special Infant Care
- **Innovative/Cutting Edge**
 - GU Cancer Survivorship Fellowship
 - Adult congenital heart disease
 - Advanced Clinical Cardiac Electrophysiology
- **Transplantation**
 - Advanced heart failure/transplant cardiology
 - Transplant hepatology
 - Pulmonary transplant fellowship



Transplantation

- Largest program in NC with ~500 transplants in FY17
- Only program in NC performing all types of transplants



Cardiac and Pulmonary Support

- Largest volume in NC for VAD and ECMO (heart and resp failure)
- Platinum certification (only 12 in world)



Stroke Care across North Carolina

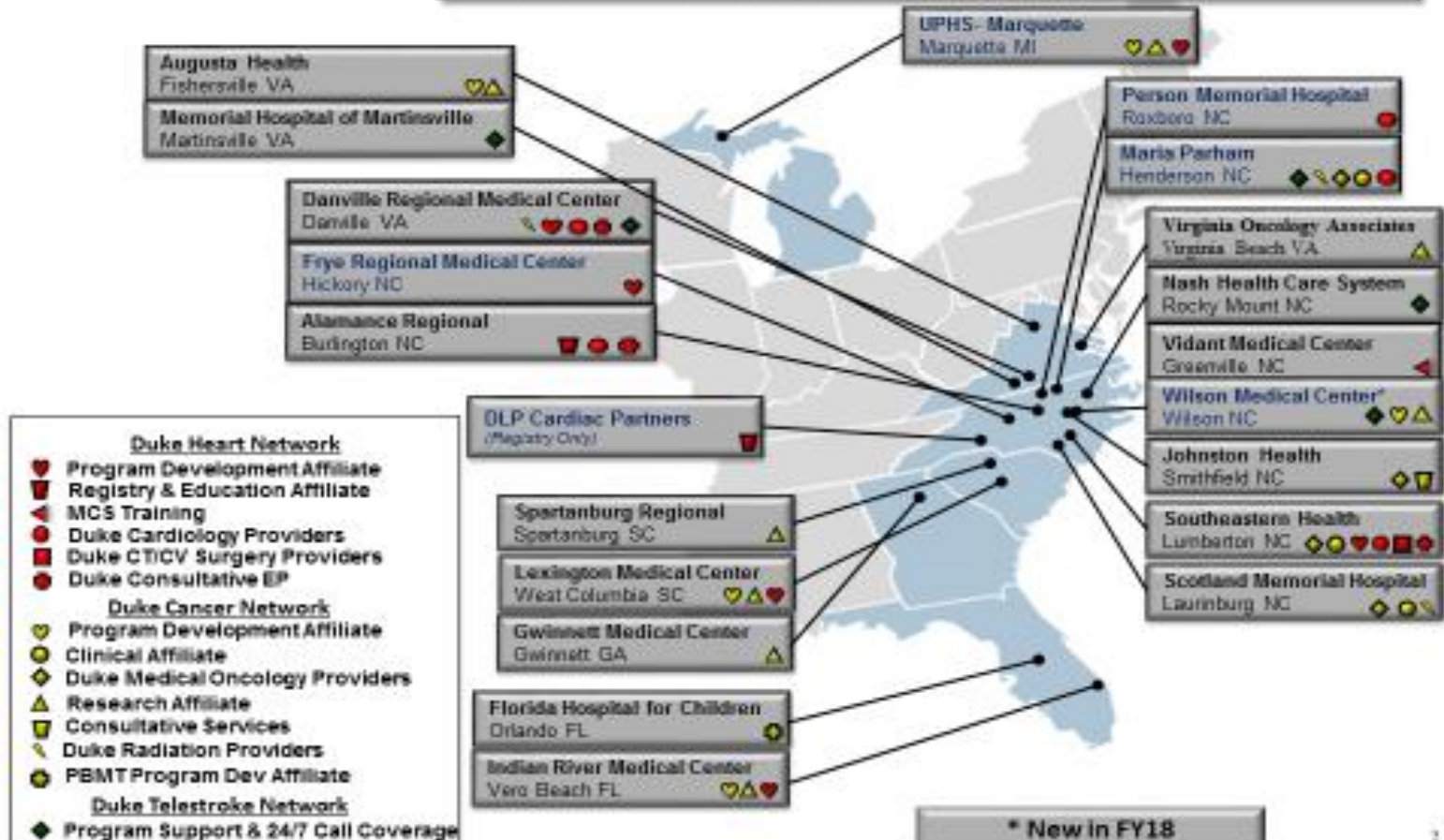
- Telestroke Services across state
- Neurointerventional Services



AFFILIATIONS AND OUTREACH



Over 40 specialty & physician services affiliations* with 20+ facilities across the east & beyond with ongoing interest...



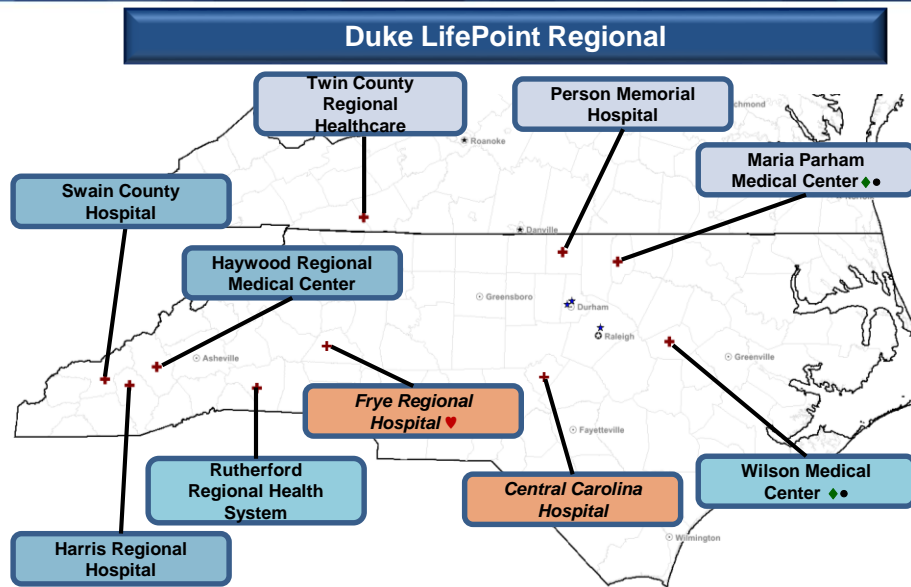


Virginia

- **Twin County Regional Healthcare** (141 beds)
 - Galax VA

North Carolina

- **Maria Parham Medical Center** (102 beds) ♦♦
 - Henderson NC
- **Person Memorial Hospital** (110 beds)
 - Roxboro NC
- **Wilson Medical Center** (284 beds) ♦♦
 - Wilson NC
- **Rutherford Regional Health System** (143 beds)
 - Rutherfordton NC
- **Haywood Regional Medical Center** (169 beds)
 - Clyde NC
- **Harris Regional Hospital** (86 beds)
 - Sylva NC
- **Swain County Hospital** (48 beds)
 - Bryson City NC
- **Frye Regional Medical Center** (355 beds) ♥
 - Hickory NC
- **Central Carolina Hospital** (137 beds)
 - Sanford NC
- **DLP Cardiac Partners** ♥
 - Mobile cardiac cath lab organization with services across NC



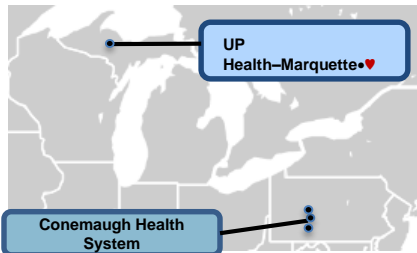
Duke LifePoint National

Michigan

- **UP Health – Marquette** (315 beds) ♥

Pennsylvania

- **Conemaugh Health System** (589 beds)
 - Memorial Medical Center (539 beds), Johnstown, PA
 - Meyersdale Medical Center (20 beds), Meyersdale, PA
 - Miner's Medical Center (30 beds), Hastings, PA



Duke LifePoint
Affiliated prior to CY14
Affiliated in CY14
Affiliated in CY16

Optional Specialty Affiliations

- ♥ Heart
- ♦ Cancer
- ♦♦ Telestroke



Durham VA Medical Center & Duke GME

- Fills critical need in NC for veterans' care
 - And a need for trainee exposure to needs of veteran population
- Largest number of VA-funded GME positions in NC/SC—all Durham positions filled by Duke residents/fellows
- All ACGME Duke programs (other than ped) have rotations at DVAMC—100 residents & fellows each day
 - State-wide telemedicine programs
 - Women's health programs
 - POSH* program-unique to Duke/Durham VA
 - GME primary care expansion: Family Medicine
 - (Veteran's Choice Act)



*POSH: Perioperative Optimization of Senior Health



Importance of GME Trainees to Duke

- Direct patient care provision
- Allows development of complex patient care initiatives
- Creates an academic, learning health system
 - Attracts high quality faculty
 - Innovation and research
- Large % of teaching of medical students and other health profession students



Importance of Duke Trainees to NC

- GME trainees often stay where they train
- Care for its citizens: current and future
 - While trainees
 - As academic and community physicians
- Advancing care for North Carolina
 - From the routine to extremely complex



- Comments, questions?

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