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# Residency Training in North Carolina

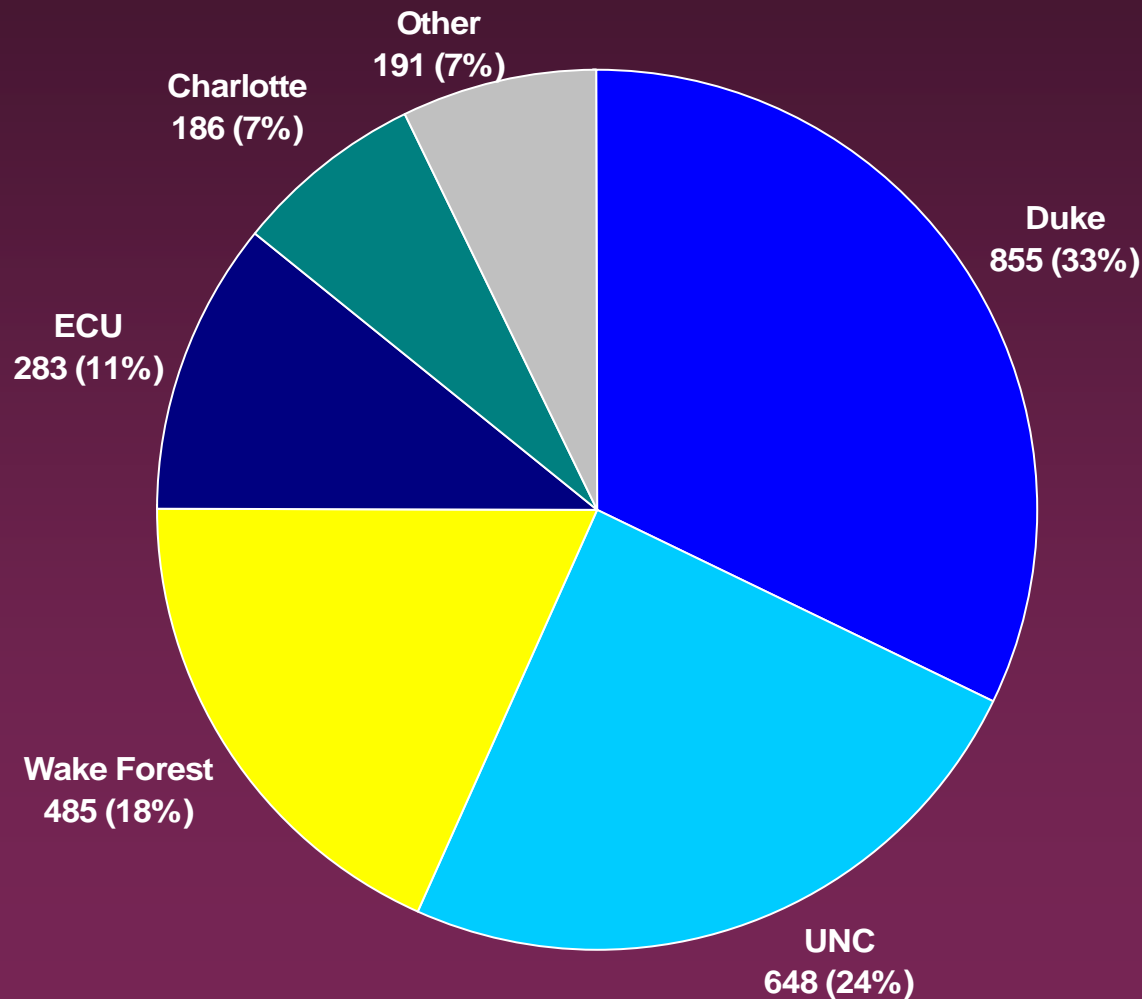
Thomas J. Bacon, Dr.P.H.

March 8, 2006



# NC Residents by Location, 2004

## Total = 2,648



# Number of Residents by Location 2004

<u>Location</u>	<u>Number</u>
Duke University Medical Center	855
UNC / UNC Hospitals	648
Wake Forest / Baptist	485
East Carolina University / Pitt County Mem	283
Charlotte / Carolinas Medical Center	180
Coastal AHEC / New Hanover Regional	61
Mountain AHEC / Mission Hospitals	40
Greensboro AHEC / Moses Cone	44
Cabarrus / NorthEast Medical Center	23
Southern Regional AHEC / Cape Fear Valley	17
Monroe	6
Hendersonville	6
Total	<u>2,648</u>

# Residents in North Carolina by Location 2004

## All Residents

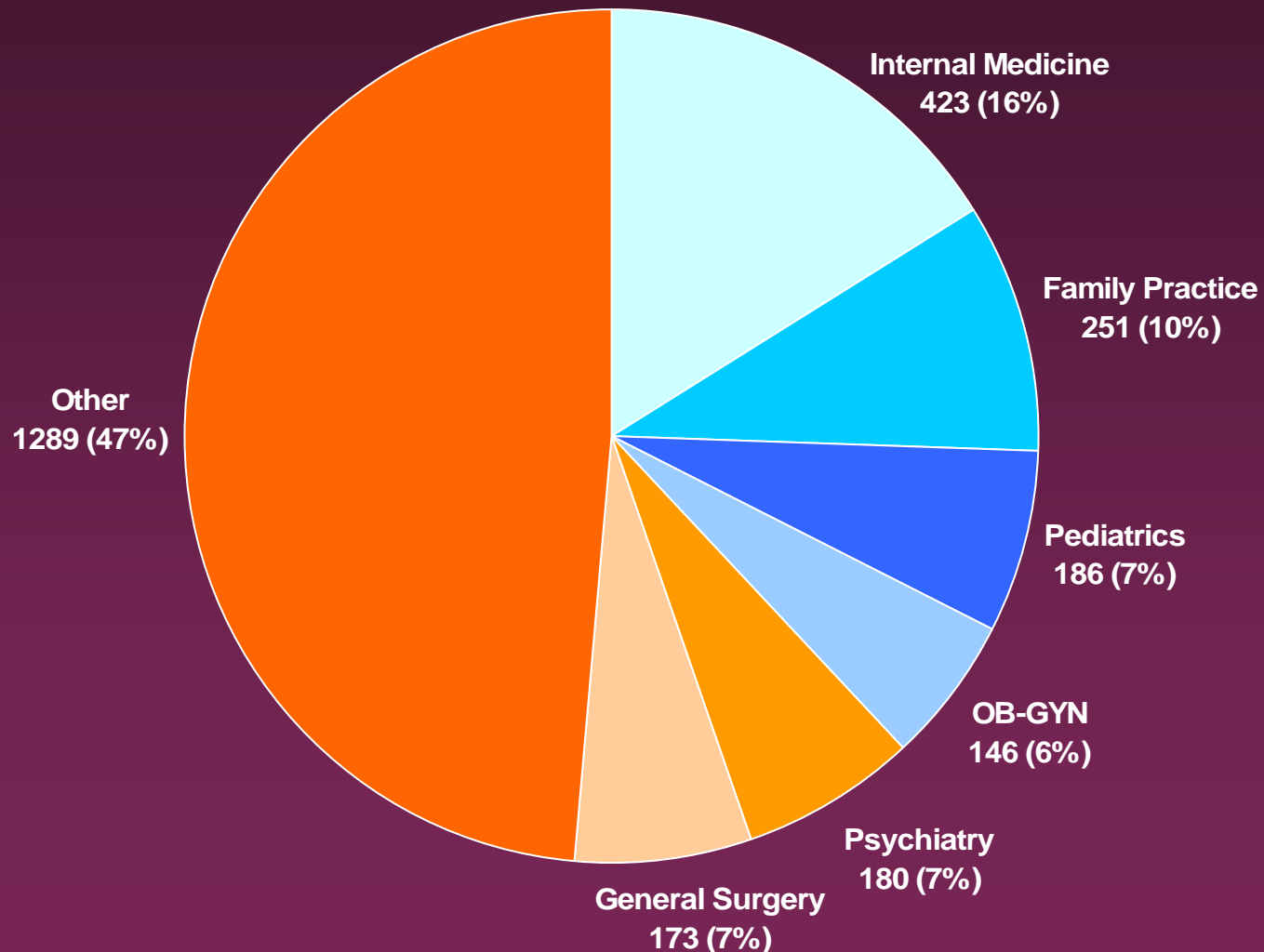
University Hospitals	2,271	(85.8%)
AHECs	<u>377</u>	(14.2%)
	2,648	(100%)

## Family Medicine

University Hospitals	116	(46%)
AHECs	<u>135</u>	(54%)
	251	(100%)

# NC Residents by Specialty, 2004

## Total = 2,648



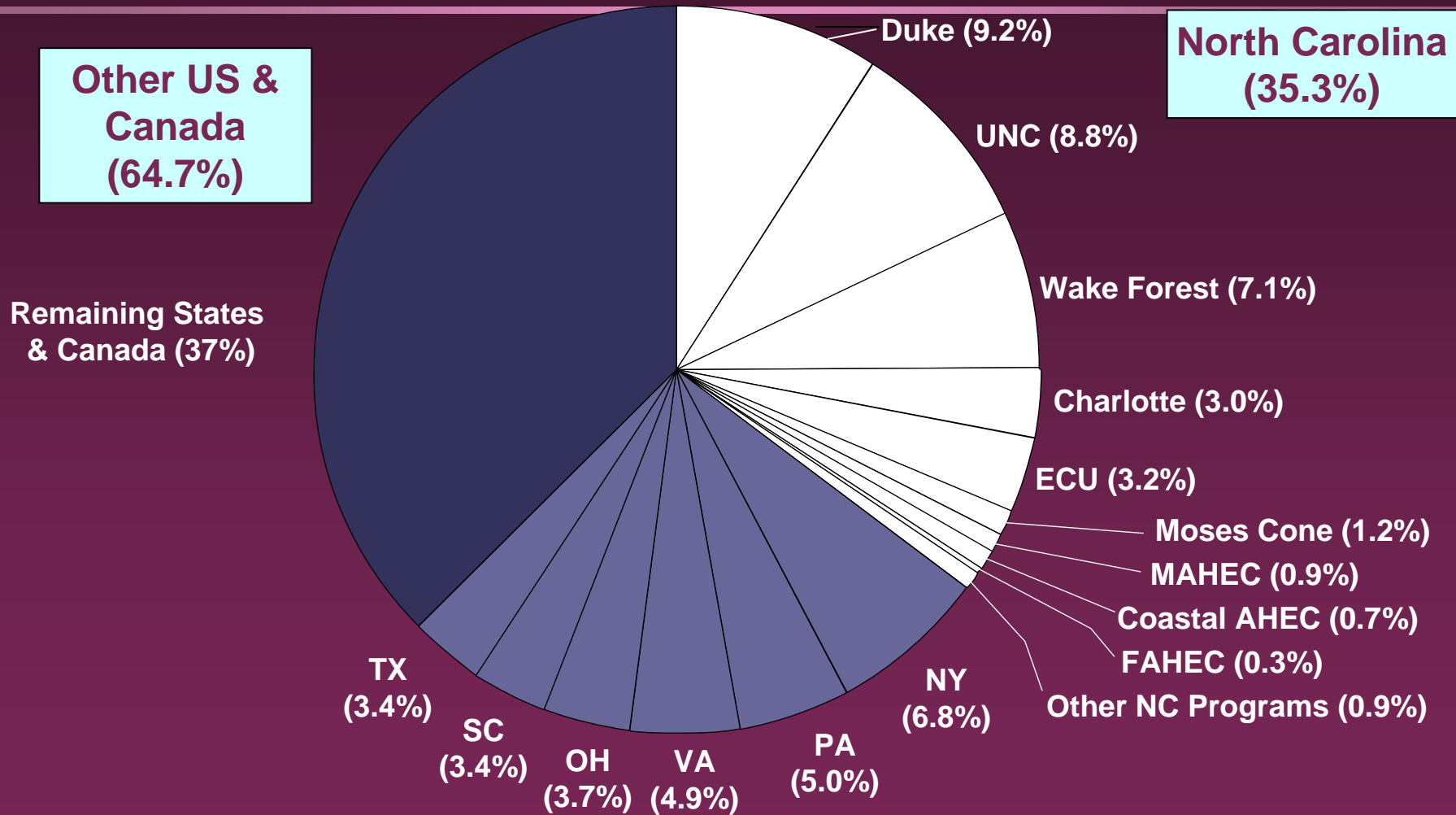
# Residents in North Carolina by Primary Care / Specialty, 2004

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Primary Care*	1,006 (40%)
Other Specialties	<u>1,642</u> (60%)
	2,648 (100%)

\*Includes family medicine, internal medicine, pediatrics and obstetrics/gynecology

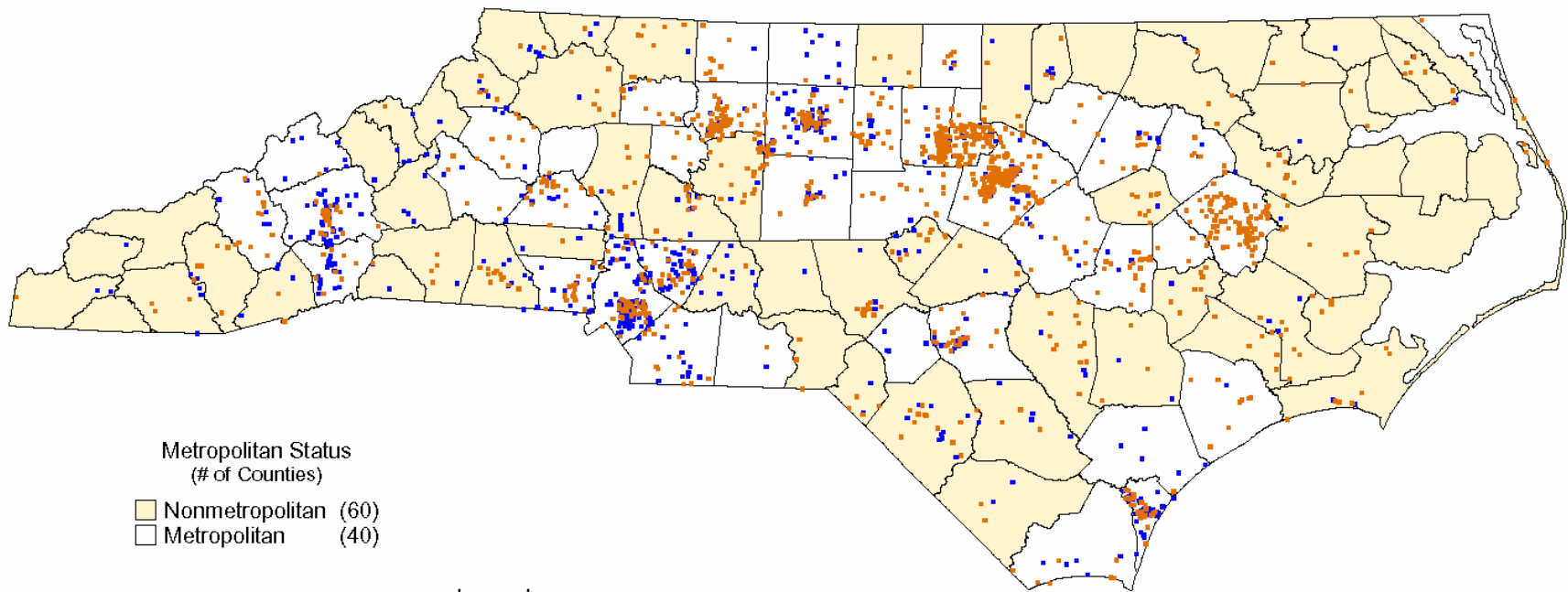
# Residency Location of Active Licensed North Carolina Physicians, 2003



Note: Residency data were missing for 442 physicians and 56 foreign residents were excluded; percentages are based on the 16,592 physicians for whom residency training information was available.

Source: NC Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the NC Medical Board, 2003.

## Distribution of Active Primary Care Physicians Who Graduated from a North Carolina Residency Program AHEC and Academic Medical Center Programs, North Carolina, 2003



Metropolitan Status  
(# of Counties)

- Nonmetropolitan (60)
- Metropolitan (40)

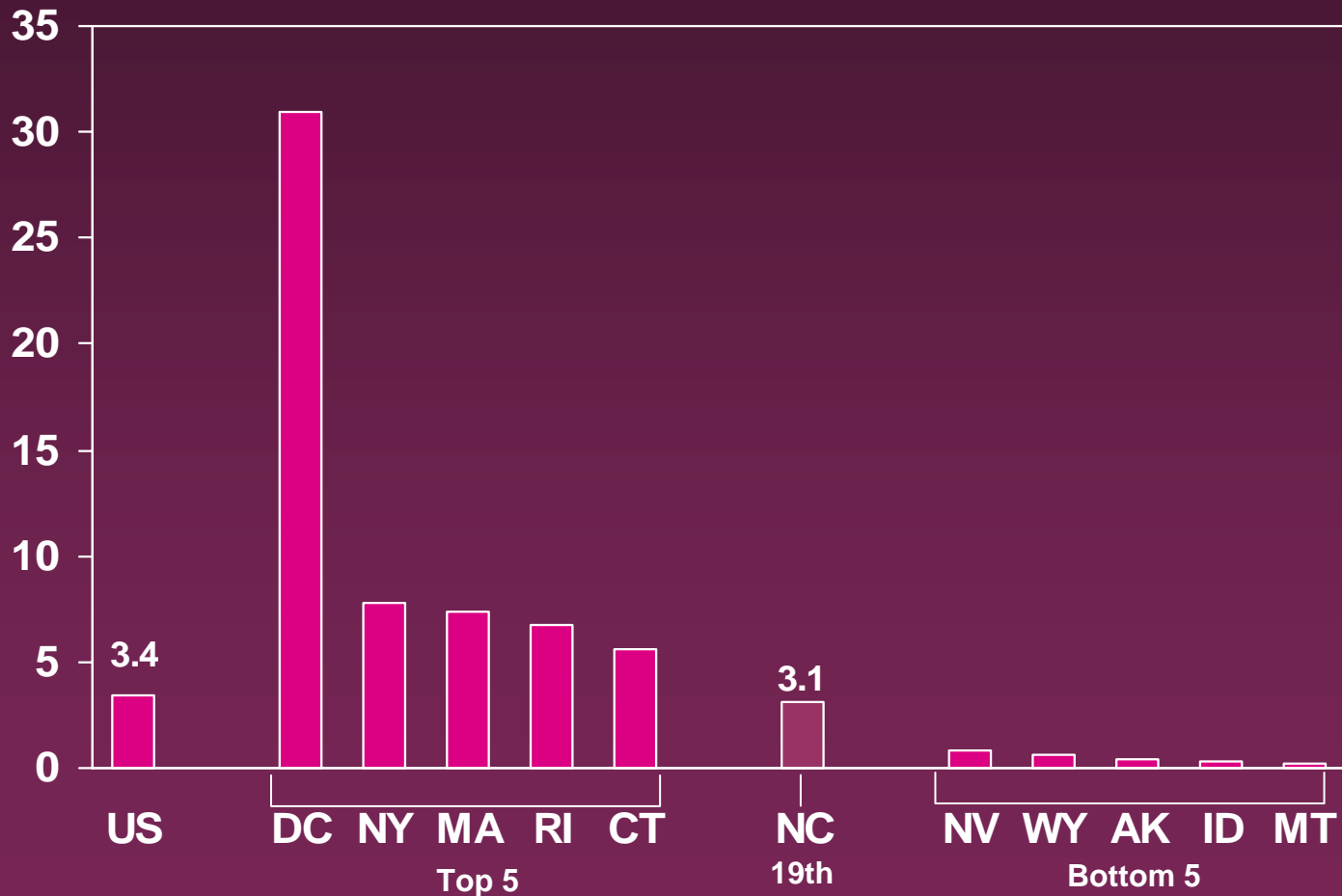
Legend  
(# of Physicians)

- 1 Dot = 1 AHEC Active Primary Care Physician (794)
- 1 Dot = 1 Academic Medical Center Active Primary Care Physician (1,645)

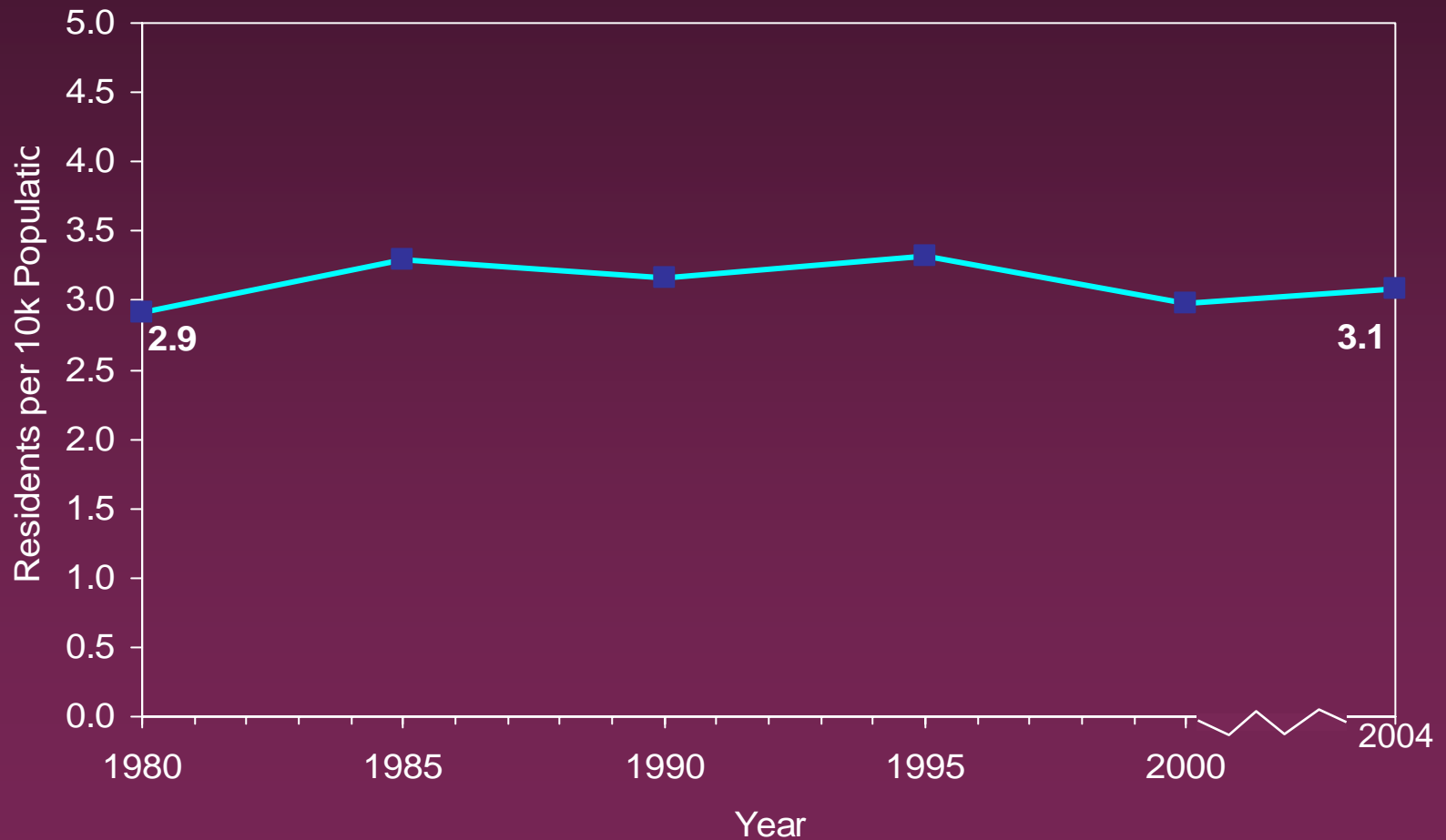
Produced by: North Carolina Health Professions Data System,  
Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill.  
Source: NC Health Professions Data System; NC Area Health Education Centers Program, 2003; US Census Bureau, 2004.  
Data are for active, in-state, non-federal, non-resident-in-training physicians indicating primary care specialties of FP, GP, IM, Ob/Gyn or Pediatrics,  
who were licensed as of October 2003 with residency graduation dates from 1972 and later. Internship data were used if residency data were missing.  
\*Note: Core Based Statistical Areas are current as of the December 2003 update. Nonmetropolitan counties include micropolitan and counties outside of CBSAs.

# NC has Average Number of Residency Spots

Resident Physicians per 10,000 Population, 2004



# Number of Residents per Population in NC has Been Steady



# Funding Residency Training

## Sources of Support

- Medicare (DME & IME)
- Medicaid (Education DSH)
- Clinical Income
- Grants
- State Funds
- Varies considerably by specialty

# Investing in Residency Training: The Issues

## Pluses

- Higher retention rate than for medical school graduates
- Quicker payout from bringing new residency positions online (3 – 5 years) than from medical school growth (7-9 years)
- Costs subsidized by Medicare and Medicaid
- Serves as important part of safety net, especially in urban centers

# Investing in Residency Training: The Issues

## Minuses

- Costs are very high (\$250-400K per resident gross costs)
- Federal funding via Medicare currently frozen
- Accreditation process rigorous and costly
- Decreased interest in primary care among medical school graduates
- Difficult to match up state's interest with medical school / teaching hospital interests
- State share of costs have significantly declined in last 20 years

# North Carolina Policy Interventions on Residencies

- 1974 Residency Stipends
- 300 stipends at \$15,000
- New primary care positions created after July 1, 1974
- AHECs and AHCs eligible
- Currently 730 eligible positions, but only 324 stipends
- Still \$15,000 per position

# Options for the Future

- Expand residency stipend program
- Tie stipends more closely to outcomes/location of graduates
- Increase amount per stipend
- Expand beyond primary care
- Tie stipends to commitments for clinical care for the underserved
- Fully fund new residency positions in targeted specialties
- Other