The Dentist Workforce in North Carolina

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Overview

- Trends in supply of dentists in NC
- Geographic distribution of dentists in NC
- Characteristics of NC dentists
 - Demographics
 - □ Practice characteristics
 - □ Training location
- Projections



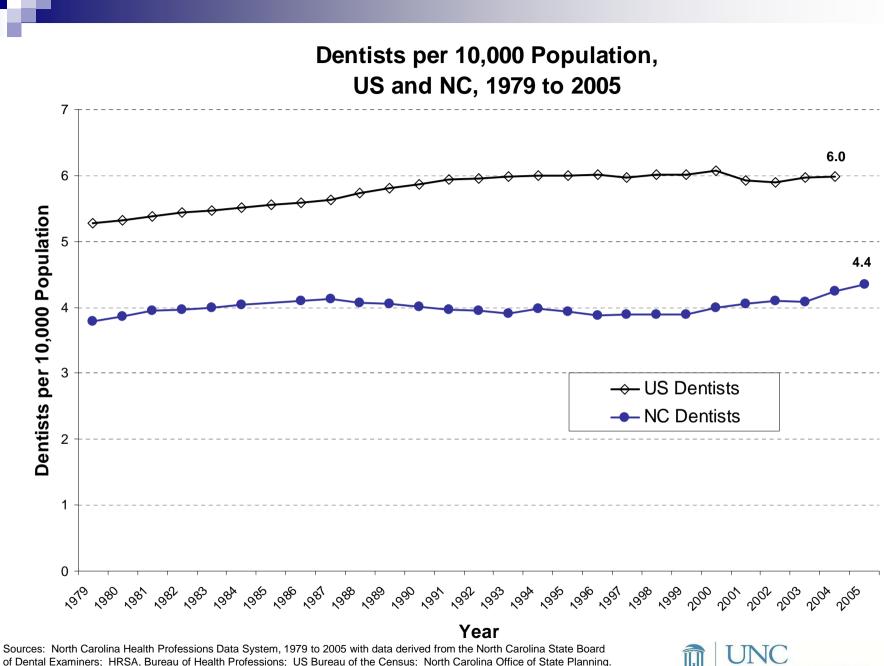
Supply



North Carolina Dental Supply

- NC had 3,772 active dentists in 2005.
- Annual growth in dentist to population ratio has been higher than average in recent years:
 Increase of 2.8% between 2004 and 2005
 - □ Increase of 3.9% between 2003 and 2004
 - Average annual increase of <0.5% between 1993 and 2003
- NC supply still lags behind U.S. supply





of Dental Examiners; HRSA, Bureau of Health Professions; US Bureau of the Census; North Carolina Office of State Planning. Figures include all licensed active dental hygienists. North Carolina population data are smoothed figures based on 1980, 1990 and 2000 Censuses.

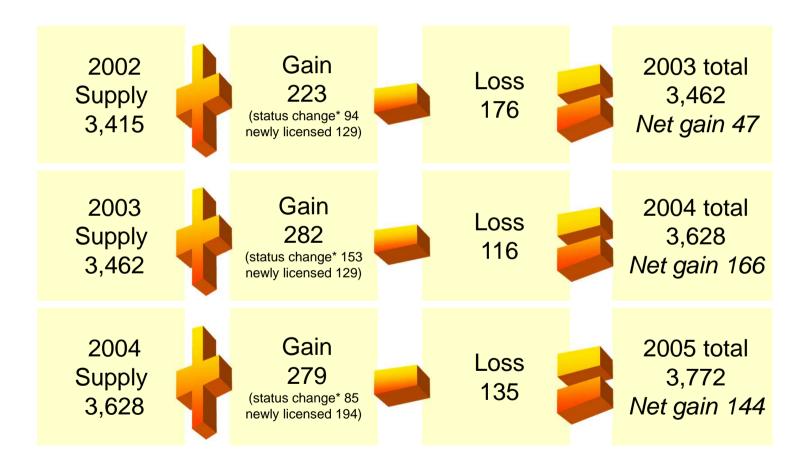
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North Carolina Dental Workforce Is Dynamic

- About 11% of the workforce either enters or exits practice in a given year.
- Recent increases in growth rate may be due in part to licensure by credential.



Components of Change, 2002-2005



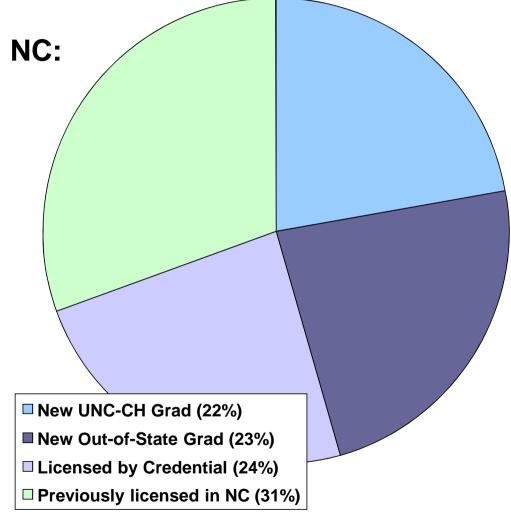
*Status change indicates dentists who were previously licensed in North Carolina and moved from inactive to active practice or from out-of-state to instate status.



Dentists Gained in 2005

Of the 279 dentists gained in NC:

- 22% were new graduates from UNC-CH
- 23% were new graduates from other states
- 24% were licensed by credential
- 31% previously held a NC license and were not practicing in 2004





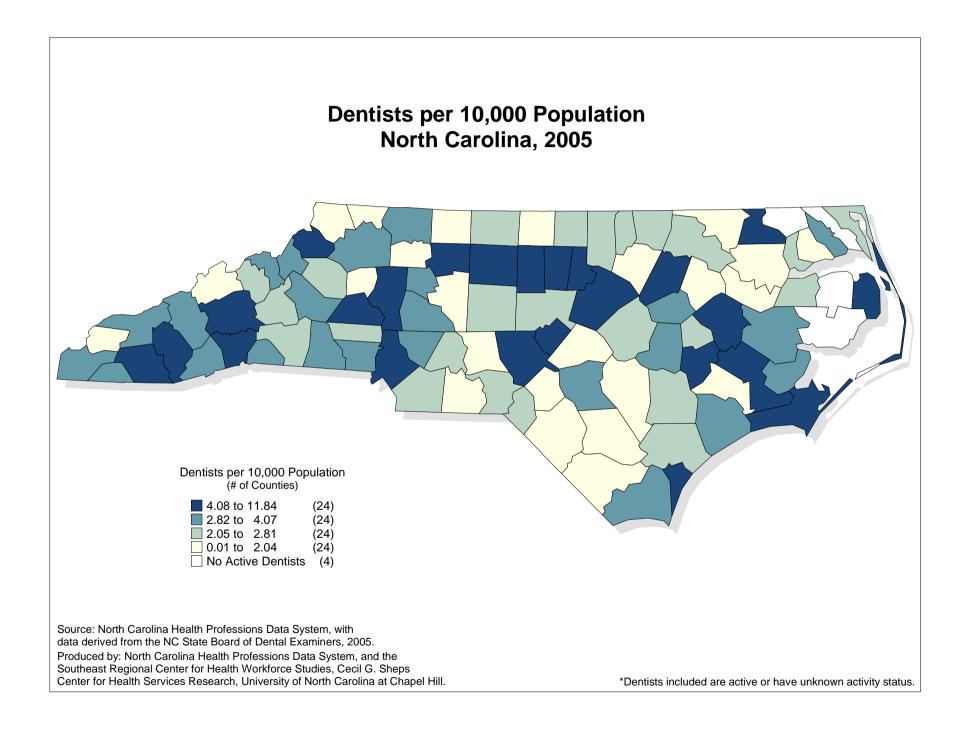
Geographic Distribution



Despite Overall Growth, Distribution Is Problematic

- Supply of dentists per population is lower in nonmetropolitan counties.
- Growth in dentists per population is slower in nonmetropolitan counties. Between 2000 and 2005, supply grew by:
 - □ 10.3% in metropolitan areas
 - □ 3.9% in non-metropolitan areas
- Most counties designated as Dental Health Professional Shortage Areas are non-metropolitan.

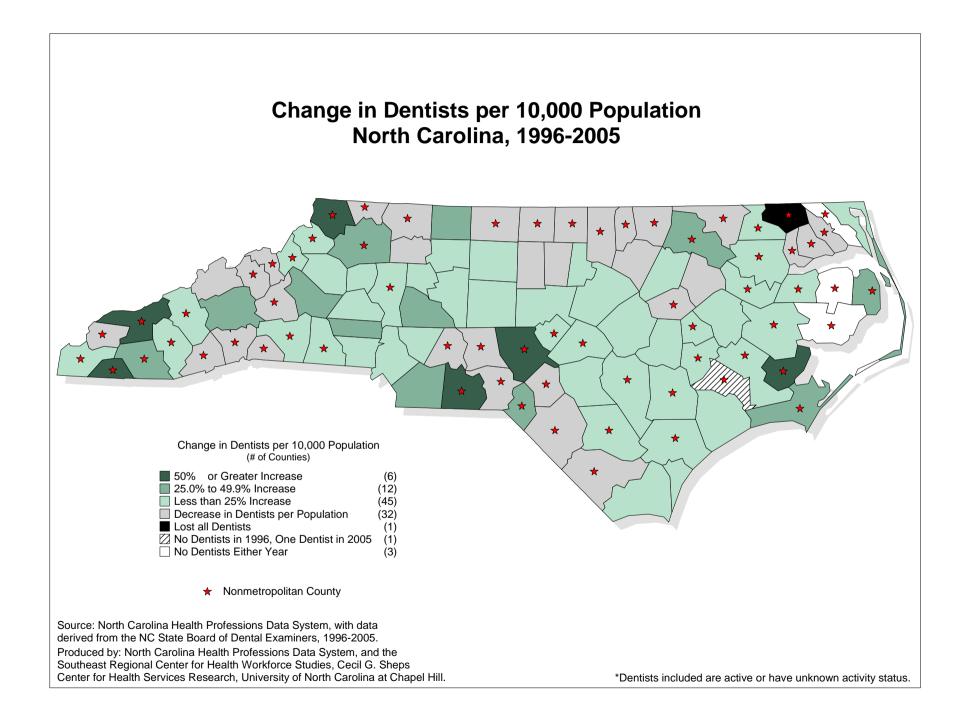


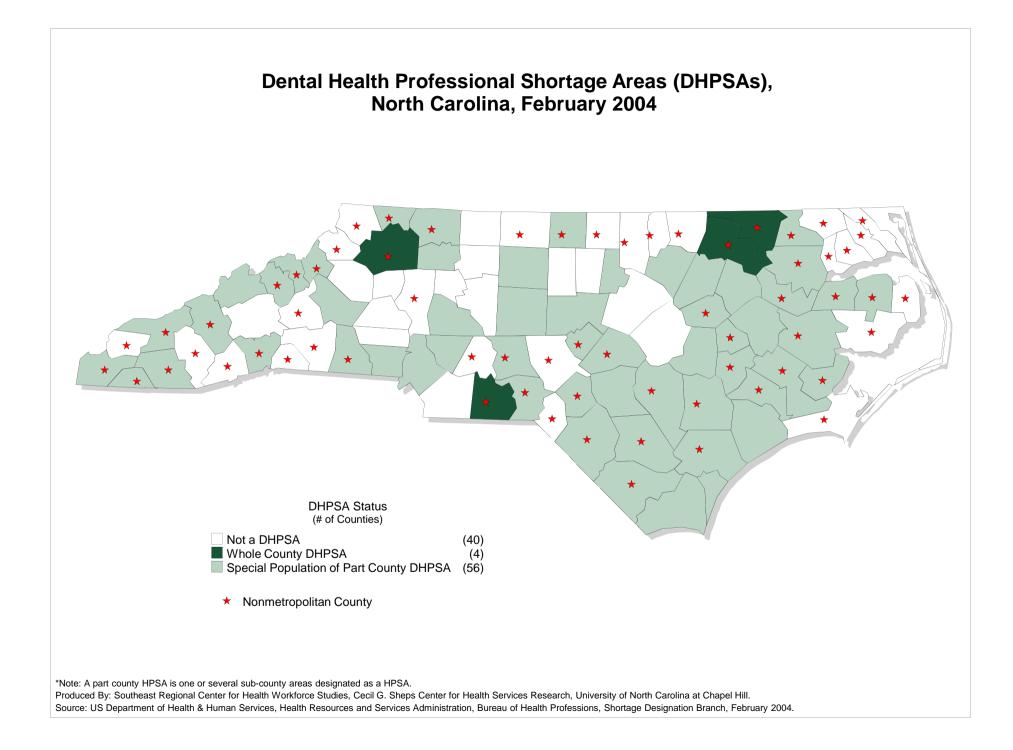


Nonmetropolitan Counties, North Carolina, 1979-2005 5.5 4.9 5.0 **Dentists per 10,000 Population** 4.5 4.0 3.5 3.1 3.0 2.5 2.0 1.5 1992 100% 1⁹ 1980 1980 1000 199A 10050 1001 1998 1982 198⁰⁰ 1001 ~9⁶ 1985 ,9⁸⁶ 200 198A 198¹ 100 ~9°^ Year

Dentists per 10,000 Population by Metropolitan and

Source for Metropolitan-Nonmetropolitan definition: Office of Management and Budget, 1993. Sources: North Carolina Health Professions Data System, 1979 to 2005 with data derived from the North Carolina State Board of Dental Examiners; North Carolina Office of State Planning. Figures include all licensed active, in-state, dentists. 1 THE FOR HEALTH SERVICES RESEARCH





Demographic Characteristics

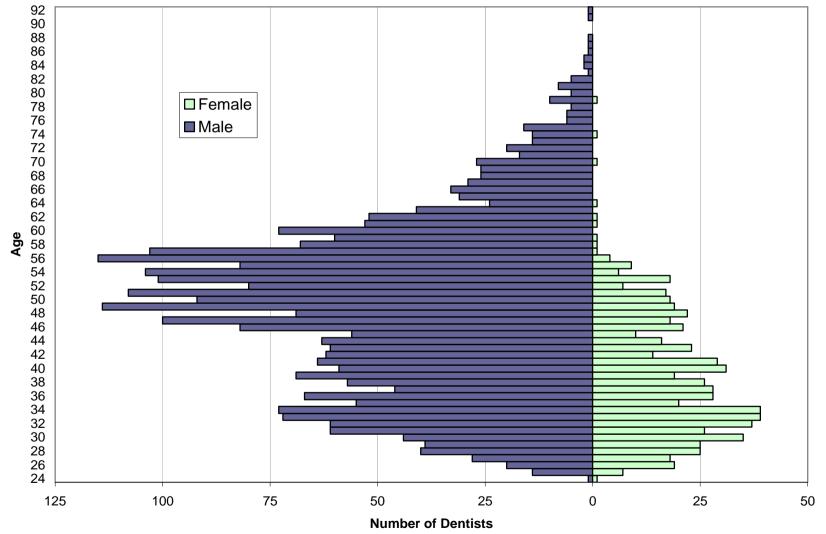


North Carolina Dental Workforce is Graying

- Over 40% of NC dentists are older than 50.
- The average age of all NC dentists is 47years.
 Average age in metropolitan counties is 46 years.
 Average age in non-metropolitan counties is 49 years.
- Female dentists in NC are 10 years younger than male dentists, on average.



Dentists by Age and Gender, 2005



Sources: North Carolina Health Professions Data System with data derived from the North Carolina State Board of Dental Examiners, 2005. Figures include active, instate dentists licensed in North Carolina as of October 31, 2005.

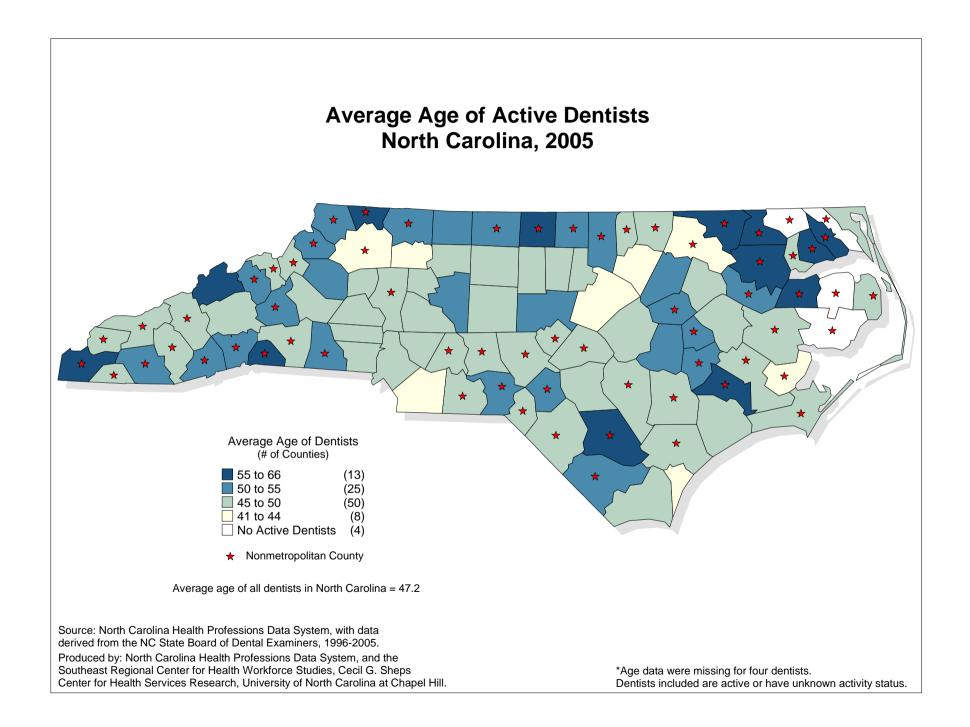
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Age of North Carolina Dentists, 2005

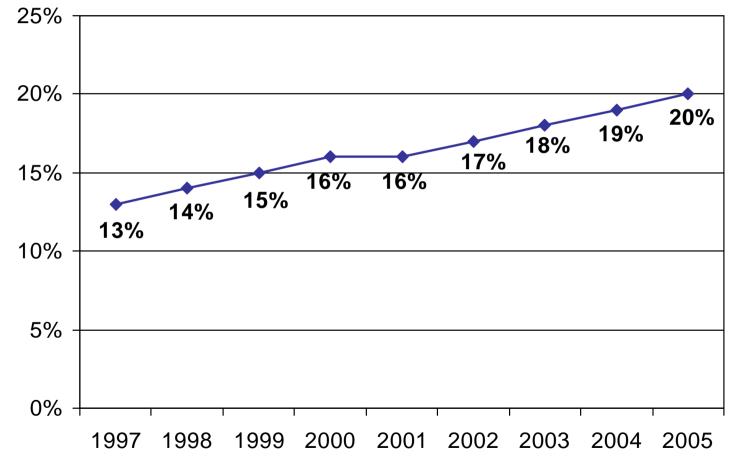
Age		
<31	8.8%	
31-40	25.3%	
41-50	25.1%	
51-60	26.6%	
61-70	10.2%	
> 70	3.9%	

Note: Figures include active, instate dentists; four dentists had missing age data. Sources: North Carolina Health Professions Data System with data derived from the North Carolina State Board of Dental Examiners, 2005.





Percentage of Dentists Who Are Female, North Carolina, 1997-2005



Sources: North Carolina Health Professions Data System with data derived from the North Carolina State Board of Dental Examiners, 1997 to 2005.



Female Dentists by Form of Employment, North Carolina, 1984 and 2004

	1984		2004	
	% Total Employment	% Women	% Total Employment	% Women
Self-Employed	82%	56%	64%	51%
Partnership or a Group	5%	5%	17%	20%
Individual Practice	3%	9%	11%	16%
Local, County, State or Federal Government	7%	20%	6%	9%
Other	3%	9%	2%	4%
Total	100%	100%	100%	100%



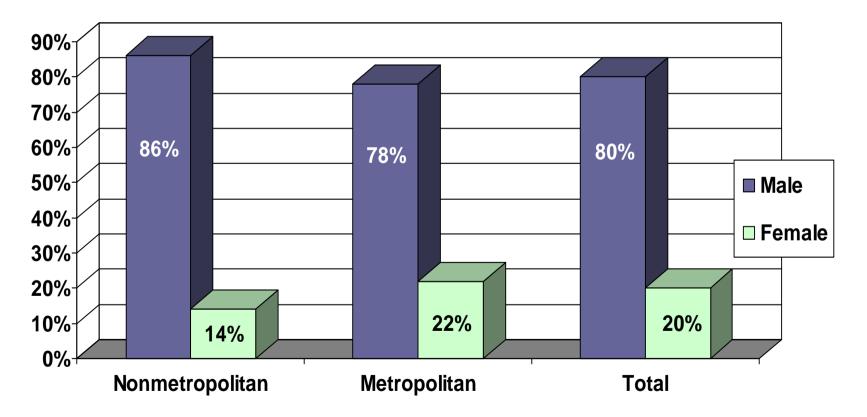
Difference in Hours Worked per Week, Male Hours-Female Hours, 1984 and 2004

	1984		20	04
Age	Hours per Week	Number of Women	Hours per Week	Number of Women
< 31	1.1	46	2.0	94
31-40	0.4	38	4.5	282
41-50	1.5	6	2.0	186
51-60	-0.7	5	0.8	62
61-70	-2.6	-2.6 3 -2.8 7		7
Total	-0.6	98	1.6	631
Average hours/week for males in 1984 was 37 versus 37.6 for females. Average hours/week for males in 2004 was 37.4 hours versus 35.7 for females.				



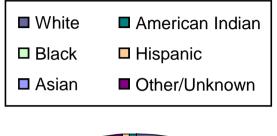
Dentists by Gender, 2005

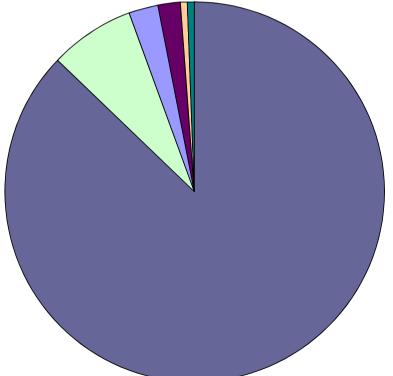
Percent of Dentists Who Are Male vs. Female in Metropolitan and Nonmetropolitan Areas





Dentists by Race, 2005





Race		
White	87.1%	
Black	7.4%	
Asian	2.6%	
Hispanic	0.6%	
American Indian	0.5%	
Other/ Unknown	1.9%	



Practice Characteristics



Over 3 out of 4 North Carolina Dentists are in General Practice

Specialty, 2005			
General Practice 77.8% (2,934)			
Orthodontics	6.2% (235)		
Oral Surgery	3.7% (140)		
Pediatric Dentistry	3.3% (125)		
Periodontics	2.6% (99)		
Endodontics	2.8% (105)		
Public Health	1.8% (66)		
Prosthodontics	1.4% (54)		
Oral/Maxillofacial Radiology	<1%(12)		
Unknown	<1% (2)		



Most North Carolina Dentists Work in a Dental Practice Office

Practice Setting, 2005				
	Metropolitan	Total		
Dental Practice Office	87.8%	85.4%	85.9%	
Clinics	2.6%	3.0%	2.9%	
Schools	0%	2.2%	1.7%	
Federal/Military	0.7%	1.0%	0.9%	
Hospitals	0.1%	1.0%	0.8%	
VA/Public Health/Indian Health	3.1%	1.4%	1.8%	
Other	3.9%	3.0%	3.2%	
Missing	1.8%	3.1%	2.8%	
Total	100%	100%*	100%	

*100.1% due to rounding.



Most North Carolina Dentists Are Self-Employed

Form of Employment, 2005				
	Nonmetropolitan Metropolitan Total			
Self-Employed	74.9%	65.1%	67.3%	
Partnership or a Group	7.2%	14.5%	12.9%	
Individual Practice	7.9%	9.6%	9.2%	
Local, County, State or Federal Government	5.8%	5.2%	5.3%	
Other	2.4%	2.5%	2.4%	
Unknown	1.8%	3.1%	2.8%	
Total	100%	100%	100%	



Training



Over Half of North Carolina Dentists are UNC Graduates

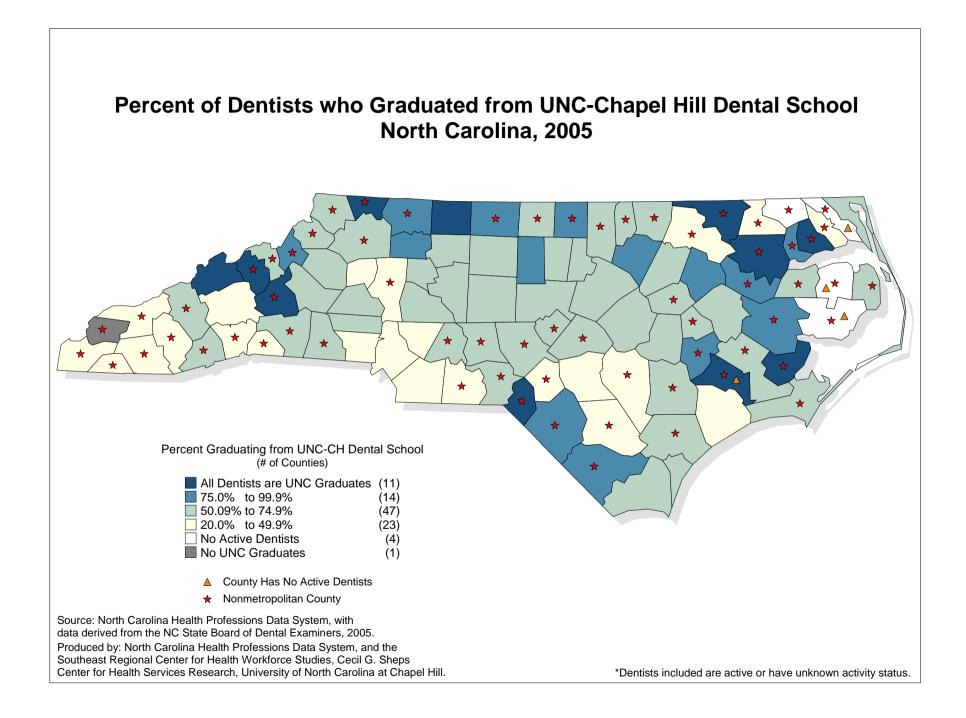
Dentists Trained at UNC, 2005				
	Total Dentists	Dentists Graduating from UNC	% of Dentists Graduating from UNC	
Metropolitan Counties	2,953	1,607	54.4%	
Nonmetropolitan Counties	819	505	61.7%	
Total	3,772	2,112	56.0%	



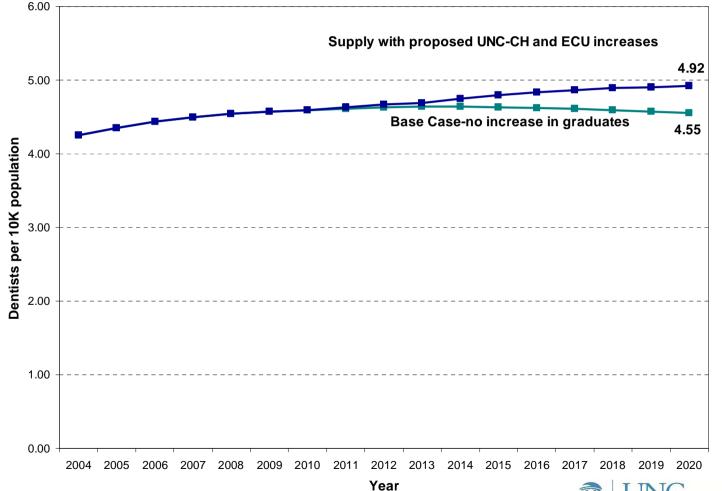
On Average, 90% of UNC Graduates Stay in North Carolina to Practice

Retention of Dentists Trained at UNC			
Graduation Year	# Grads from UNC-CH	# in 2005 Licensure File	Percent Retention
2000	72	69	95.8%
2001	72	63	87.5%
2002	70	65	92.9%
2003	75	69	92.0%
2004	77	63	81.8%





Projections: Dentists per 10,000 Population, 2004-2020



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