

North Carolina Health Professions Data System

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Trends in Licensed Health Professions in North Carolina 1979-2005

A report produced by the Cecil G. Sheps Center for Health Services Research
at the University of North Carolina at Chapel Hill • June 2007

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A report produced by the Cecil G. Sheps Center for Health Services Research

with the support of

The North Carolina Area Health Education Centers Program

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I. Introduction

Access to health care services is an important determinant of the health and well-being of North Carolina's citizens. Examining the supply and distribution of the professionals who provide these vital services is a crucial component to understanding whether North Carolina has an adequate number of professionals to meet the state's health care needs. Knowing where these professionals are practicing, and the level of their activity, can help determine whether there are current problems with access to health care services in specific regions within the state. Examining trends in the supply and distribution of health care professionals over time can also enable researchers and policy makers to determine whether these problems will persist or are due to temporary fluctuations in the ebb and flow of health care professionals in and out of the workforce and from one location to another. This report brings together 27 years of data on the supply and distribution of practitioners in 17 categories of health care professions in North Carolina in an effort to develop a more complete picture of access to health care in the state.

For nearly 30 years, the Cecil G. Sheps Center for Health Services Research at the University of North Carolina at Chapel Hill has produced an annual publication entitled, *A Special Report on Health Care Resources in North Carolina: North Carolina Health Professions Data Book*. The data book is widely used by state officials, researchers and professionals in the health care industry as the official source of health professions statistics in North Carolina. In 1989, the Sheps Center produced *Health Manpower Trends for North Carolina: A Ten-Year Profile 1978 to 1987*, and in 2000, released an update entitled, *A Twenty-Year Profile of Trends in Licensed Health Professions in North Carolina: 1979-1998*. These reports examined longitudinal trends in the state's health workforce. This report extends the trend data included in these earlier publications and provides additional data.

The data contained in the annual data books, the ten- and twenty-year trend analyses, and included in this twenty-seven year report, are derived from licensure information provided annually (as of October 31st every year) to the Sheps Center by the health professional licensure boards. The licensure boards provide demographic, practice and location information on every health professional licensed to practice in North Carolina and therefore represent the best single source of accurate information on the state's health professional workforce. These data are housed in the North Carolina Health Professions Data System (HPDS) which is maintained at the Sheps Center in collaboration with the North Carolina Area Health Education Centers (NC AHEC) program.

A. The Evolution of the North Carolina Health Professions Data System

The North Carolina Health Professions Data System is one of the most comprehensive and one of the few continuously maintained state-level data systems available to track the supply of health professionals (the full history of the North Carolina Health Professions Data System is detailed in Appendix II). The HPDS has evolved to accommodate changes in the health professions themselves and to reflect the priorities of the sponsors who have supported the system. In the early years, the HPDS, known then as the North Carolina Cooperative Health Statistics System, included both health care workforce and facilities data, as well as data on vital statistics and population health collected by the NC State Center for Health Statistics. Now the system, maintained by the Sheps Center at UNC-CH, focuses solely on workforce statistics and is called the North Carolina Health Professions Data System (HPDS).

In 1974, the National Center for Health Statistics (NCHS) solicited proposals from every state to develop various components of the Cooperative Health Statistics System. Three components were funded in North Carolina: a vital statistics component at the North Carolina State Center for Health Statistics; and manpower and health care facilities components at the UNC-CH Health Services Research Center, now the Cecil G. Sheps Center for Health Services Research. During the same period, the data

system also received state funding from the NC AHEC Program to develop and maintain a statewide data system to assist AHEC's efforts to track the supply and distribution of the state's licensed health professionals. It was both federal funding from the NCHS and state funding from the NC AHEC Program that made the initial vision of a statewide health workforce data system a reality in North Carolina.

Federal funding from the NCHS ended in 1981 and two organizations – the State Health Planning and Development Agency and the Duke Endowment (through the NC Hospital Association) – provided interim funding to supplement the NC AHEC dollars until alternate funding sources could be identified. Without the interim funding of these organizations, the HPDS would not have had the resources to continue. In 1985, the Office of the Vice Chancellor for Health Affairs at UNC-CH took the initiative to provide permanent support for the data system in the budget of the Sheps Center. That support, plus the continuing support of the NC AHEC system, has assured the availability of these valuable health professional workforce data for our state.

B. Licensed Health Professions Covered in the Health Professions Data System

In its initial phase, the HPDS received data from 14 independent licensing boards that regulated 20 categories of health professionals in North Carolina. In 1982, veterinarians, sanitarians, opticians and nursing home administrators were dropped from the system due to reduced interest in these data for workforce planning purposes. In 1985, osteopaths (DOs) not licensed by the North Carolina Board of Medical Examiners were not included in the data system, since almost all of these professionals were already registered by the NC Medical Board. The HPDS currently maintains data on seventeen categories of health professionals: chiropractors, dentists, dental hygienists, licensed practical nurses, registered nurses, nurse practitioners, optometrists, pharmacists, physical therapists, physical therapist assistants, physicians (MDs & DOs), physician assistants, podiatrists, practicing psychologists, psychological associates and respiratory therapists (added in 2004). The North Carolina Board of Occupational Therapy joined the HPDS in 2006, and data on occupational therapists and occupational therapist assistants will be available with the publication of the 2006 Data Book. All of the data available through this system remain the property of the respective licensure board collecting them. Access to these data is granted by the independent licensure boards. Without the cooperation of the licensing boards that annually provide the Sheps Center with data on these health professions, this report would not have been possible.

II. Sources and Limitations of the Data

A. United States Data

One of the most challenging issues we have faced in compiling this compendium has been finding national workforce data for the professions profiled in this document. When we published the same compendium in 2000, the primary source for national data was the Bureau of Health Professions in the U.S. Department of Health and Human Services. The Bureau had reported national estimates by year for chiropractors, dentists, dental hygienists, licensed practical nurses, optometrists, pharmacists, physical therapists, podiatrists and registered nurses. However, national data have been difficult to obtain since 2000 for most professions (except nurses and physicians) and we have had to rely on estimates provided by professional and credentialing associations, data from the Bureau of Labor Statistics and information from the 1985-2007 editions of the *Statistical Abstract of the United States*.

There are a number of problems with using data from multiple sources, including:

1. Relying on different data sources in different years for one profession makes it problematic to interpret longitudinal trends (are increases or decreases in the supply of providers due to a real trend or are they an artifact of different data collection strategies and definitions?); and
2. Each agency and organization that collects data does so for a different purpose and may have different reporting periods and definitions of active practitioners. For example, the Bureau of

Labor Statistics (BLS) data exclude practitioners who are not paid a wage. For professions like dentistry that include practitioners who are self-employed or have partnership income, BLS data tend to underestimate workforce size. BLS occupational definitions have also changed over time. In 2003, the BLS began to categorize licensed vocational nurses in with the same group as licensed practical nurses (LPNs). The result is a large upswing in the LPN-to-population ratio in 2003.

The data source for registered nurses, nurse practitioners and certified nurse midwives was the 1980-2004 editions of *The Registered Nurse: Population Findings from the National Sample Survey of Registered Nurses*, a publication generated every four years by the Bureau of Health Professions. National physician data were drawn from the Bureau of Health Professions Area Resource File, which summarizes the American Medical Association's Physician Master File. With the exception of the data on licensed practical nurses, physician assistants and psychologists, which were obtained from the *Statistical Abstract of the United States*, all other national data prior to 2000 are from the Bureau of Health Professions. After 2000, BLS data were used for national estimates of chiropractors, optometrists, physical therapist assistants, podiatrists, psychologists, licensed practical nurses (2003-2005) and respiratory therapists. Data from the *Statistical Abstract* were used for dental hygienists, physical therapists, pharmacists and physician assistants. Estimates of the dentist workforce are from the American Dental Association. Reliable, consistent national data were not available for psychological associates. U.S. population figures were derived from the U.S. Census Bureau.

B. North Carolina Data

The North Carolina health professions data profiled in this report have been provided to the Sheps Center annually by the eleven boards responsible for their licensure and regulation. Data for certified nurse midwives from 1984-1999 were provided by the Midwifery Joint Committee in 1999. The Respiratory Care Board began providing data on respiratory therapists in 2004. The Boards provide demographic, practice and location information on every health care professional licensed to practice in the state of North Carolina as of October of each year. Because state law requires a license to practice for each of the professions profiled,¹ the totals reported for North Carolina reflect accurate enumerations of the supply and distribution of licensed practitioners. However, because the actual practice status of a given professional may change over time (e.g. the person may retire, move out of state but maintain a license, maintain a license while working in another profession, etc.), having a license does not always indicate that the individual is actively seeing patients or working in their professional field. To adjust for this, the data presented in this report include only those individuals who indicated on their annual renewal form that they were working in North Carolina and were actively engaged in the profession.²

C. Comparing North Carolina and National Workforce Estimates

Due to differences in the sampling frames, methodologies and definitions used in national data sources and those used by the NC Health Professions Data System, the comparative ratios of practitioners per 10,000 population may not reflect whether one North Carolina ratio is above or below the national average where the differences are smaller. Where the national data appear stable (and a systematic difference between the national and state data can be inferred), U.S. trends should be more directly comparable to North Carolina trends over the 27-year period, but caution should still be employed when comparing specific yearly ratios.

¹Nurse practitioners and certified nurse midwives are licensed as registered nurses and are required to obtain an approval to practice.

² Active status does not always indicate that the health care professional is seeing patients. Active status is self-designated and may include administrators, researchers and educators who are active in the profession but are not engaged in direct clinical practice. Active status is assigned to those individuals who report a business address or hours but do not report their status, and to individuals who do not report their status because they are often newly licensed and not yet actively employed.

III. Analysis

This report tracks the supply of licensed health professionals (illustrated in graphs) and their distribution across the state (illustrated in maps) over the 27-year period from 1979 to 2005. Supply data for each of 16 professions are depicted in three separate different graphs:

1. practitioners per 10,000 population ratios for the state compared to national trends (when comparable national data are available);
2. practitioners per 10,000 population ratios for metropolitan vs. nonmetropolitan counties; and
3. practitioners per 10,000 population ratios for areas that the federal government has persistently designated as health professional shortage areas (HPSAs).

Two county-level maps are also included for each profession to illustrate:

1. the supply of practitioners per 10,000 population in 2005; and
2. the change in practitioners per 10,000 population ratio from 2001 to 2005.

Because there are only two years of data available for respiratory therapists, the data are presented in tabular format and included in a map illustrating the supply per 10,000 population by county in 2005.

A. Graphs

1. Practitioners per 10,000 Population Ratios: US and NC

North Carolina's population has grown dramatically over the last twenty years. While the overall population of the US has increased by about 30% since 1979, North Carolina's population has increased by 50% (Figure 2). The population has grown fastest in the urbanized counties around Charlotte, Raleigh, and Wilmington, as well as in the Northeast corner of the state (Figure 1). Some rural counties, generally those on the coast or in the mountains with recreational or retirement potential, also saw a substantial population expansion. Figure 3 illustrates population density, highlighting areas of high population concentrations. Any examination of the changes in the supply and distribution of the health care workforce must take into account this growth in population, as well as the differences in growth rates across counties of the state. To account for these factors, changes in the supply of health care professionals over the 27 years are illustrated for the state and the nation by examining their number per 10,000 people per year. This ratio of practitioners per 10,000 population provides a better mechanism to compare the supply and distribution of health professionals across varying geographic areas than would be obtained from use of simple raw counts.

2. Practitioners per 10,000 Population Ratios: Metropolitan-Nonmetropolitan NC

Health care professionals are not distributed evenly across North Carolina; they tend to concentrate in and around cities, and those practitioners in nonmetropolitan locations are more likely to locate in larger rural towns. To illustrate the differences between metropolitan and nonmetropolitan North Carolina, the professionals-to-population ratios over the past 27 years are graphed using a system that classifies counties according to their urban character and their proximity to urban centers. The metropolitan-nonmetropolitan definition used in this report is based on the Federal Office of Management and Budget (OMB) definition as of December 2005, which is based on Census population estimates. The OMB changed the way they classified metropolitan areas after the 2000 Census. They now use Core Based Statistical Area (CBSA) classifications to define metropolitan status. For the purposes of this report, "Metropolitan" was used for the metropolitan class, and "Micropolitan" and "Areas Outside of CBSAs" (rural), were combined for nonmetropolitan (Figure 4).

3. Practitioners per 10,000 Population Ratios: Health Professional Shortage Areas

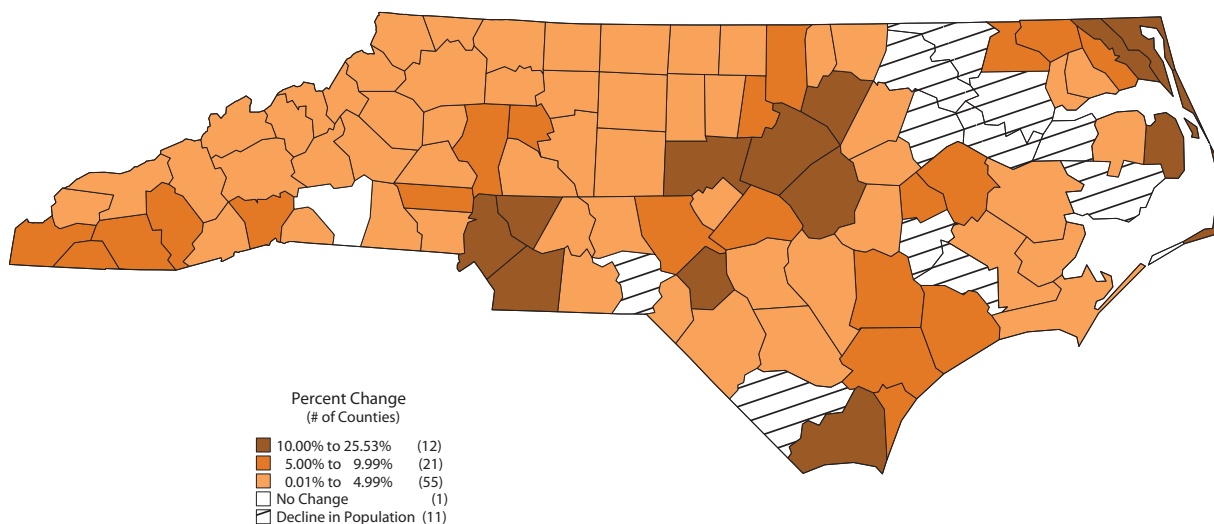
Some North Carolina communities have considerable difficulties attracting and retaining an adequate supply of health care professionals due to geographic isolation, socio-economic factors, or other reasons. The Health Resources and Services Administration (HRSA) of the Department of Health and

Human Services tracks the distribution and supply of health care professionals in the US, and designates counties and parts of counties as Health Professional Shortage Areas (HPSAs). Counties with an inadequate number of primary health care professionals, or that have a population with unusually high needs for primary medical care services or whose residents face barriers to accessing primary care services (e.g. services are overutilized, excessively distant, or otherwise inaccessible) are eligible for HPSA designation. Once designated as a HPSA, the county is eligible for several federal programs including the placement of National Health Service Corps professionals, including primary care physicians, nurse practitioners and physician assistants. These designations apply to a specific area for a three-year period and then must be re-designated. Entire counties may be designated as HPSAs and are called “whole county HPSAs.” Likewise, portions of counties without access to contiguous health resources can also be designated as HPSAs and are called “part county HPSAs.” Counties with professional counts near the threshold level for HPSA status often gain and lose HPSA designation from year to year depending on the location and practice status of one or two professionals, while other counties with professional supplies well below the threshold maintain their HPSA status over many years. In this report, counties with ongoing health professional shortages have been called “Persistent Health Professional Shortage Areas” (PHPSAs). PHPSAs are defined as those counties that have been designated as whole or part county HPSAs each year from 1999 to 2005, or in six of the last seven releases of the HPSA designations (Figure 5).

B. Maps

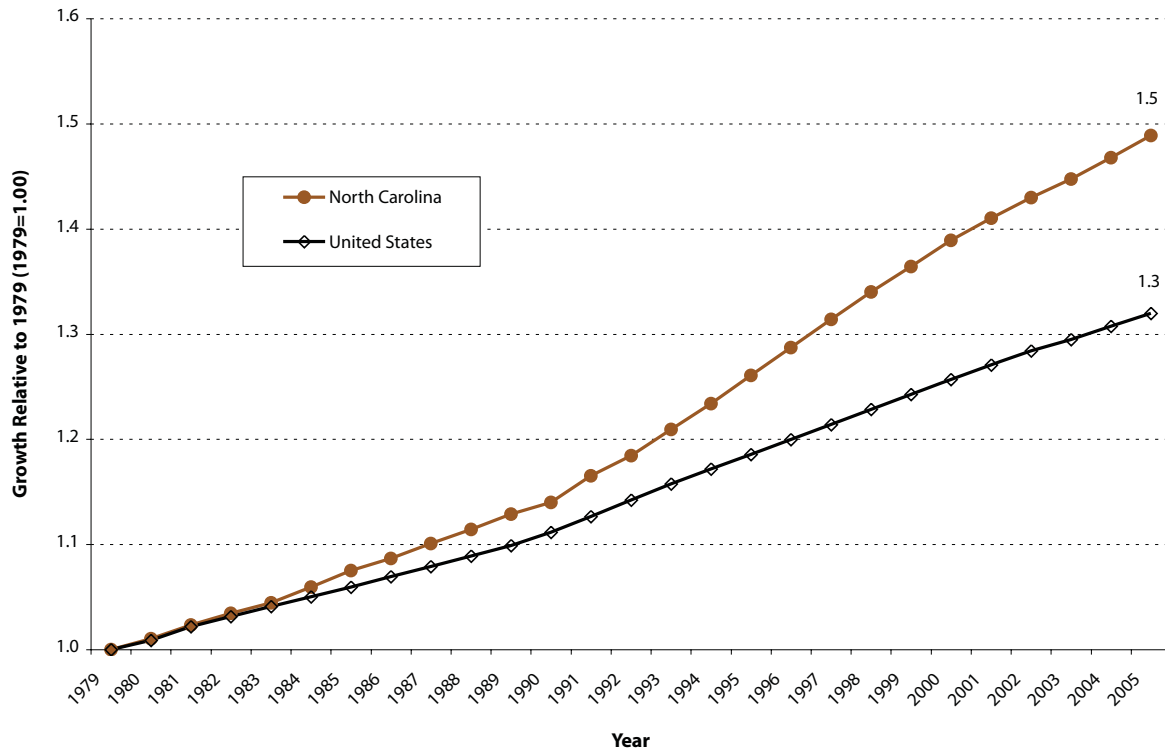
Two maps are included for each health profession that detail, by county: 1) active practitioners per 10,000 population in 2005 (supply map); and 2) percent change in ratio of active practitioners per 10,000 population, 2001-2005 (change map). Except where specified, the maps include every active licensed professional for the relevant profession. The shading increases from light to dark with increasing professional-to-population ratios — the more professionals relative to the population, the darker the shading. Counties that have no professionals in the supply map and those that have no professionals in 2001 and 2005 in the change map are shown with no shading (white). Percentage changes cannot be calculated with a zero denominator, so counties that had no providers in 2001 but gained one or more by 2005 are shaded with diagonal lines.

**Figure 1. Percent Change in Population
North Carolina, 2001 to 2005**



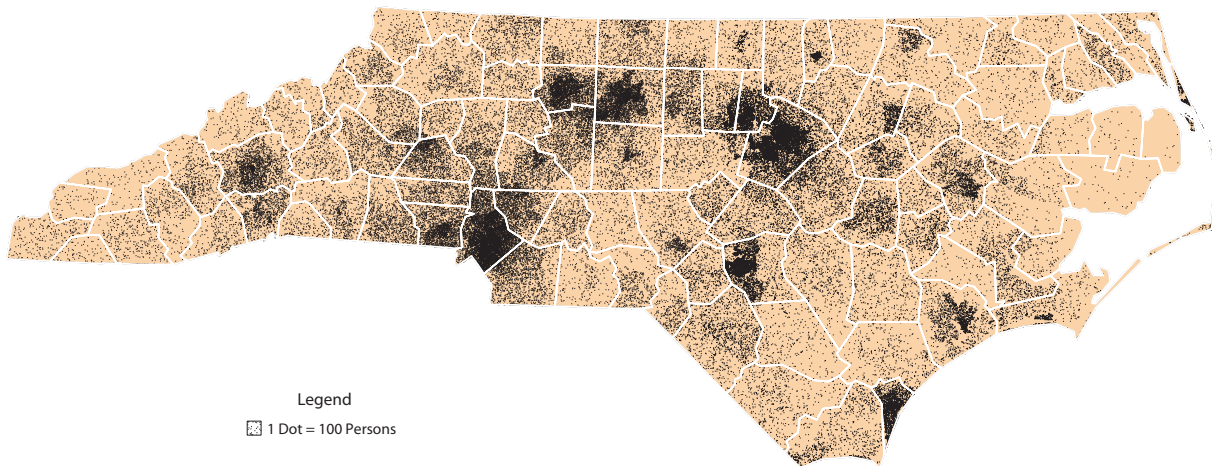
Source: North Carolina State Data Center, Office of State Budget and Management, 2006.

Figure 2. Population Growth Relative to 1979, United States and North Carolina, 1979-2005



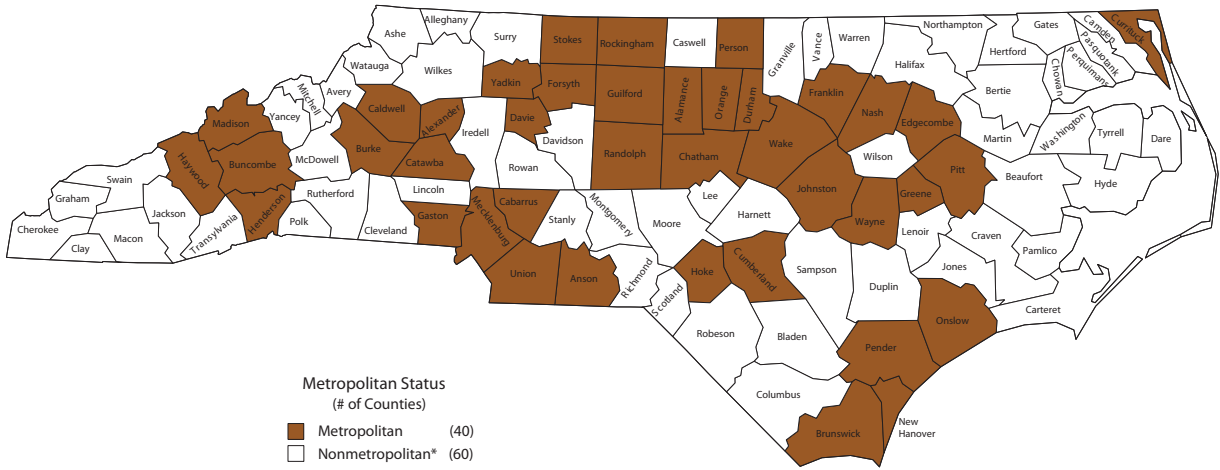
Sources: US Census Bureau; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Management and Budget.

Figure 3. Distribution of North Carolina Population, 2005



Note: Dots are placed randomly within ZIP Code areas (ZIP boundaries not shown).
Source: 2005 Healthcare Solutions Series Level 3; Claritas, Inc. Arlington, VA, 2005.

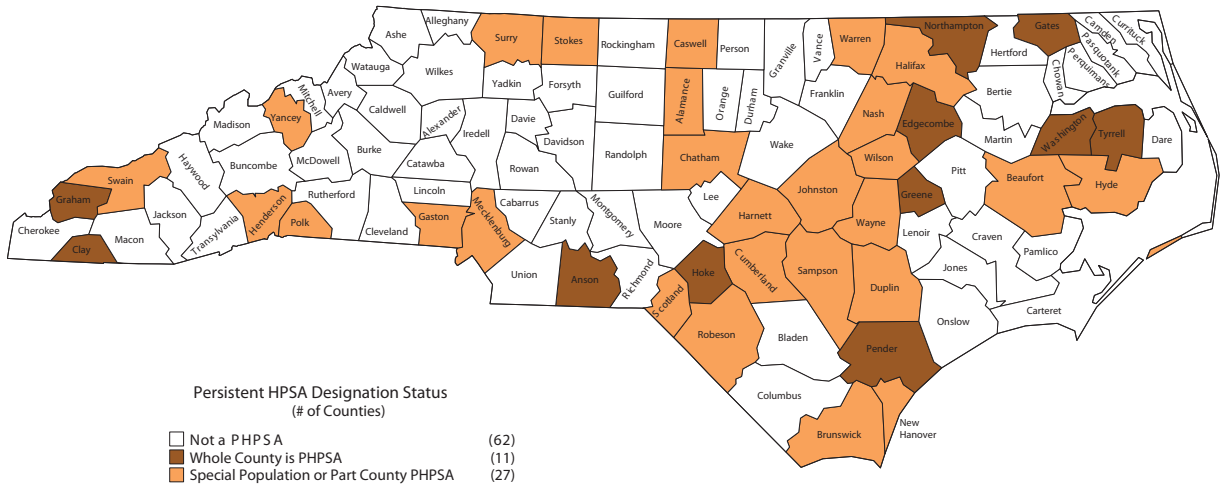
**Figure 4. Metropolitan and Nonmetropolitan Counties
North Carolina, 2005**



Source: US Census Bureau and Office of Management and Budget, 2006.

*Note: Core Based Statistical Areas are current as of the December 2005 update. Nonmetropolitan counties include micropolitan and counties outside of CBSAs.

**Figure 5. Persistent Health Professional Shortage Areas* (PHPSAs)
North Carolina, 2005**



Source: Area Resource File, HRSA, DHHS, 1998.

*Note: Persistent HPSAs are those designated as HPSAs by the Health Resources and Services Administration (HRSA) from 1999-2005, or in 6 of the last 7 releases of HPSA designations.

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Profession Profiles: 27-Year Trends

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Physicians are highly skilled health care professionals and their supply and distribution are considered key characteristics of a health care delivery system. The data in this report contain both medical doctors (MDs) and doctors of osteopathy (DOs). The expansion of the medical school at UNC-Chapel Hill to a four-year curriculum, the establishment of one of the first statewide Area Health Education Center (AHEC) programs in the nation, the creation of the first state Office of Rural Health in the nation, and the creation of the East Carolina University School of Medicine, have all contributed to making North Carolina a leader in physician training and practice support.

All of these factors allowed the state to bring its physician supply closer to the national average by 1993. However, beginning in 1999, the number of physicians relative to population began to slow in North Carolina, and the gap between the state and the nation began to widen (Figure 6). This period of slow growth caused concern among health workforce researchers and policy makers, and prompted the North Carolina Institute of Medicine to convene a task force in 2005 to study the supply and distribution of physicians in North Carolina.

The physician supply has increased gradually both in metropolitan and nonmetropolitan North Carolina, with the highest physician-to-population ratios in metropolitan counties (Figure 7). The number of physicians per 10,000 population in whole-county PHPSAs has remained relatively flat since 1979, while the number of physicians per population increased, albeit gradually, in part-county and non-PHPSAs (Figure 8).

Although there remain areas with primary care shortages, every county in the state had at least one licensed, active, patient care physician by 2005 (Figure 9), with 53 counties improving their physician-to-population ratios between 2001 and 2005, and 47 counties showing a decrease (Figure 10).

Table 1: Summary Statistics for Physicians* in North Carolina

Physicians per 10,000 Population		Total Active Physicians	
1979:	12.45	1979:	7,242
2001:	20.02	2001:	16,392
2005:	20.66	2005:	17,895

Number of Physicians per 10,000 Population in 2005

Metropolitan Areas:	25.67
Nonmetropolitan Areas:	13.10

For the 11 counties designated as whole county PHPSAs**: 4.73

For the 27 counties designated as part county PHPSAs**: 17.60

For the 62 counties not designated as PHPSAs**: 23.08

County Level Data

of counties increasing physician supply, 2001-2005: 53

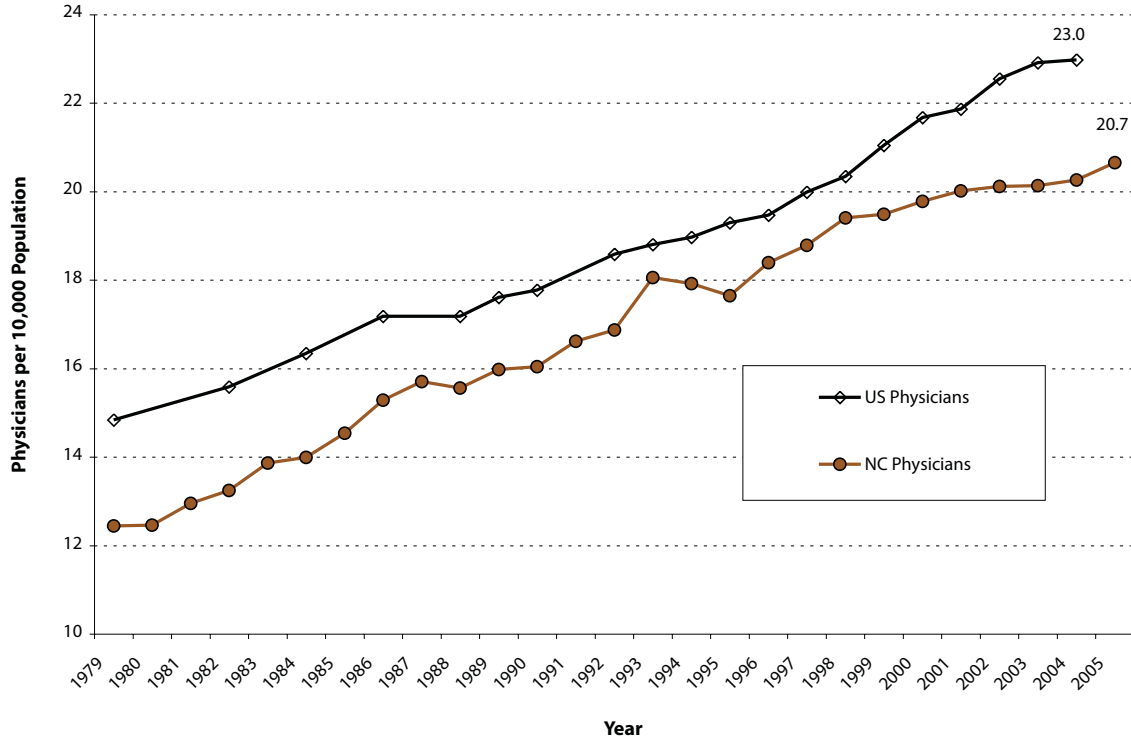
of counties decreasing physician supply, 2001-2005: 47

of counties with no physicians in 2005: 0

*Data include active, instate, non-federal, non-resident-in-training MDs and DOs.

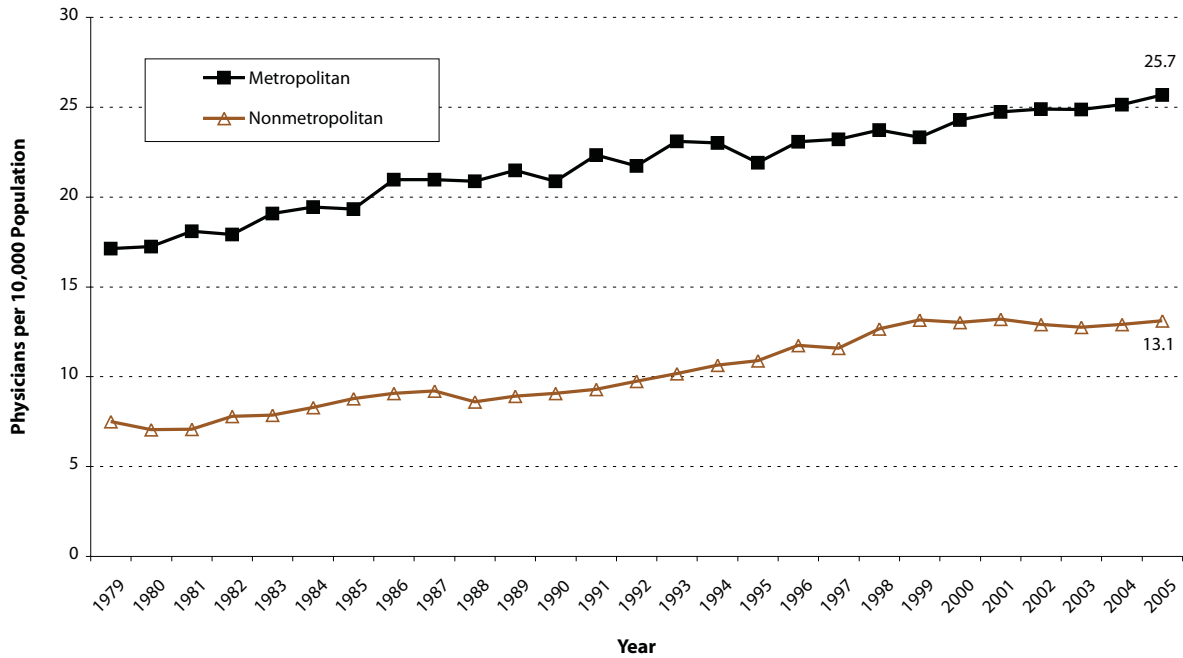
**Persistent Health Professional Shortage Area

**Figure 6. Physicians per 10,000 Population,
United States and North Carolina
1979–2005**



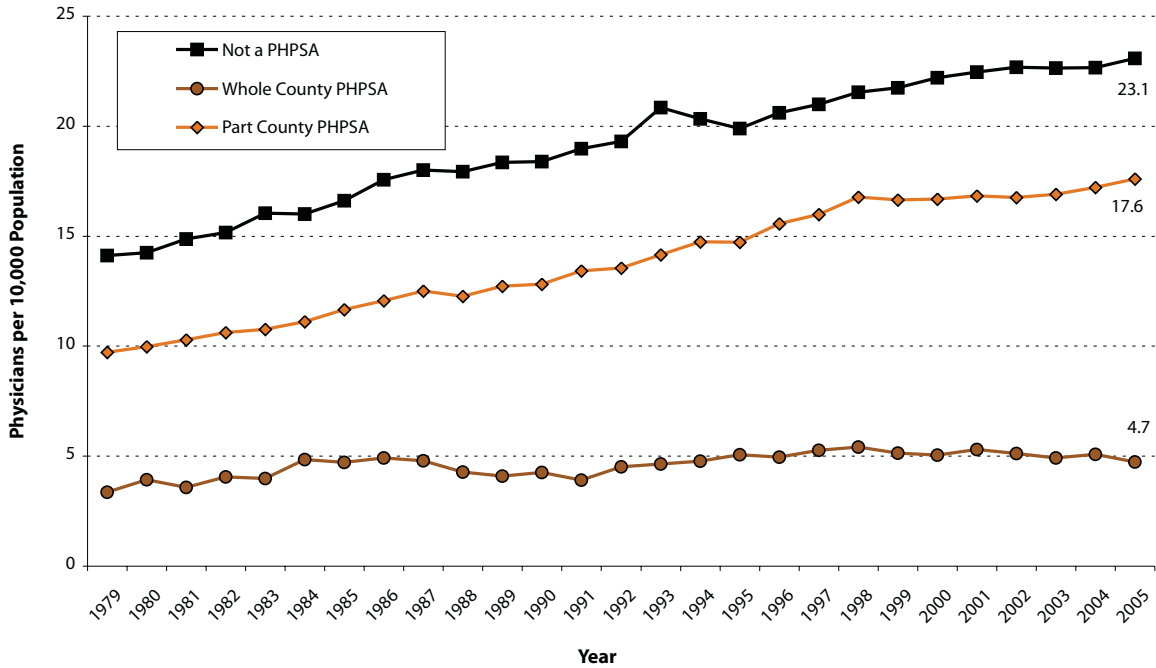
Notes: Figures include all active, in-state, non-federal, non-resident-in-training MDs and DOs.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; U.S. Census Bureau; Area Resource File, Bureau of Health Professions, HRSA.

**Figure 7. Physicians per 10,000 Population by
Metropolitan and Nonmetropolitan Counties, North Carolina
1979–2005**



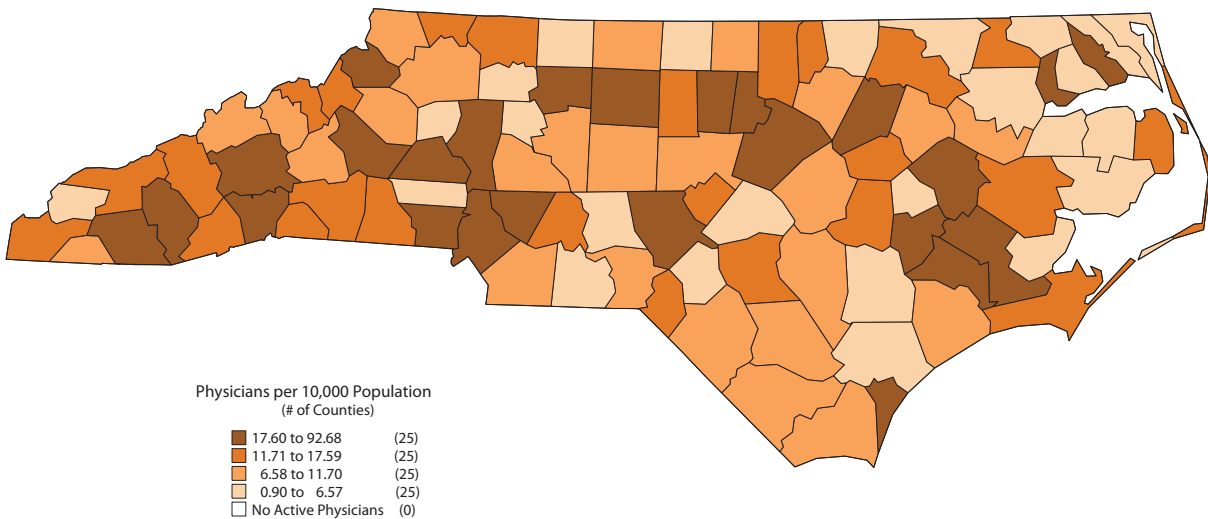
Notes: Figures include all active, in-state, non-federal, non-resident-in-training MDs and DOs licensed as of October 31st of the respective year.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

Figure 8. Physicians per 10,000 Population by Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina 1979–2005



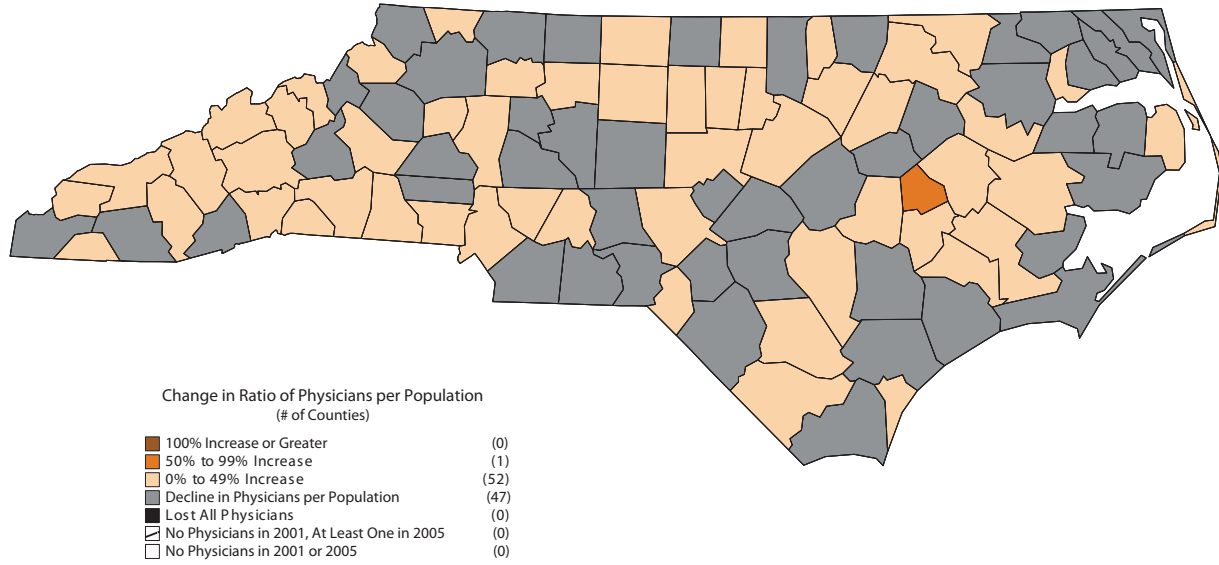
Notes: Figures include all active, in-state, non-federal, non-resident-in-training MDs and DOs licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management.

Figure 9. Active Physicians per 10,000 Population North Carolina, 2005



Note: Includes active, in-state, non-federal, non-resident-in-training MDs and DOs.
Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Medical Board; North Carolina State Data Center, Office of State Budget and Management.

Figure 10. Percent Change in Ratio of Active Physicians* per 10,000 Population from 2001 to 2005



*Note: Includes active, in-state, non-federal, non-resident-in-training MDs and DOs.

Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Medical Board; North Carolina State Data Center, Office of State Budget and Management.

Primary Care Physicians are those doctors who see patients with the most common medical problems. Primary care physicians often coordinate the care of their patients and their patients’ families. In this report, primary care includes MDs and DOs practicing in Family Practice, General Practice, General Internal Medicine, Obstetrics/Gynecology, and General Pediatrics. North Carolina has focused on improving its primary care physician supply by supporting residency training programs at the four in-state medical schools and in freestanding AHEC and hospital-based settings. North Carolina’s medical schools have been encouraging interest in primary care medicine among undergraduates and the expansion of managed care has increased market demand for generalist and primary care physicians.

Beginning in 1996, the supply of primary care physicians per 10,000 population for the state outpaced the national average (Figure 11). U.S. data prior to 1989 are not available because the American Medical Association data from which the numbers are derived were not comparable.

The primary care physician supply has shown a general increase in urban North Carolina, while the rate of growth in nonmetropolitan counties started out flat and began to increase only after 1995 (Figure 12). The primary care physician-to-population ratio for whole-county PHPSAs exhibited the slowest growth, and has actually declined since 2001 (Figure 13). This suggests that current programs to strengthen the supply of primary care doctors in underserved areas should be expanded.

All of the state’s counties had at least one primary care physician in 2005 (Figure 14) and 54 counties had improved their primary care physician supply from 2001 to 2005 (Figure 15).

Table 2: Summary Statistics for Primary Care Physicians* in North Carolina

Primary Care Physicians per 10,000 Population		Total Active Primary Care Physicians	
1979:	6.26	1979:	3,644
2001:	8.44	2001:	6,908
2005:	8.84	2005:	7,660

Number of Primary Care Physicians per 10,000 Population in 2005

Metropolitan Areas:	9.77
Nonmetropolitan Areas:	6.76
For the 11 counties designated as whole county PHPSAs**:	3.27
For the 27 counties designated as part county PHPSAs**:	7.82
For the 62 counties not designated as PHPSAs**:	9.66

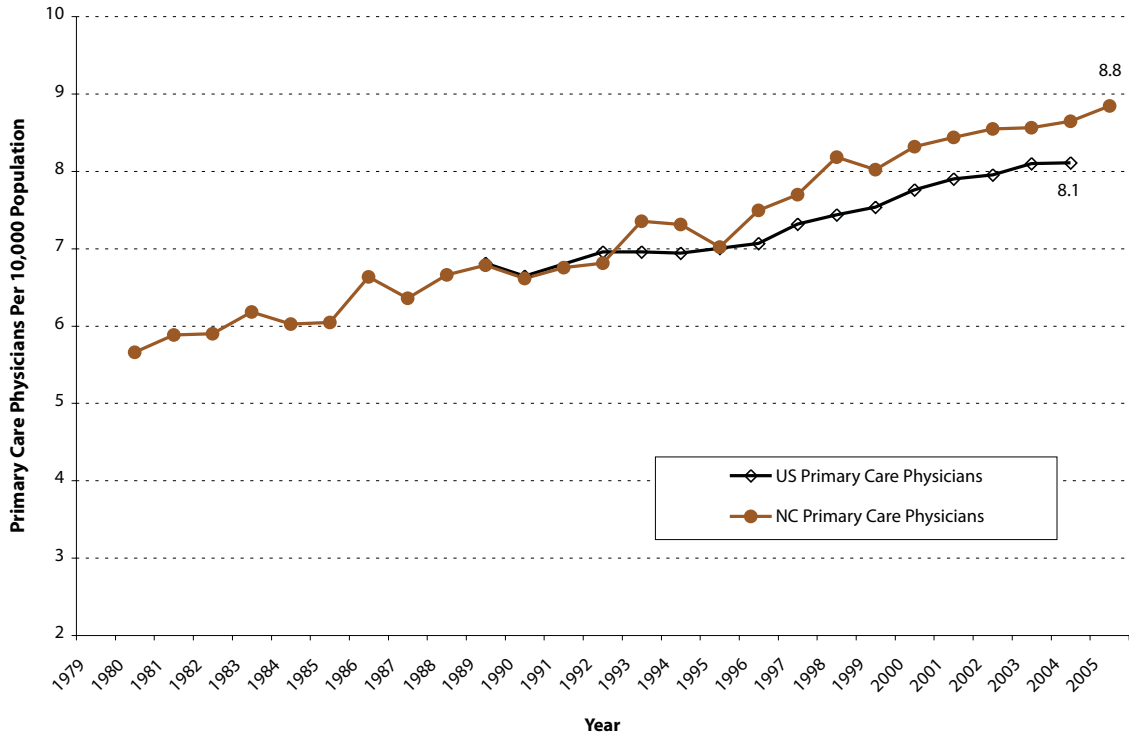
County Level Data

- # of counties increasing primary care physician supply, 2001-2005: 54
- # of counties decreasing primary care physician supply, 2001-2005: 46
- # of counties with no primary care physicians in 2005: 0

* Data include active, in-state, non-federal, non-resident-in-training MDs and DOs indicating a primary specialty of family practice, general practice, internal medicine, ob/gyn or pediatrics.

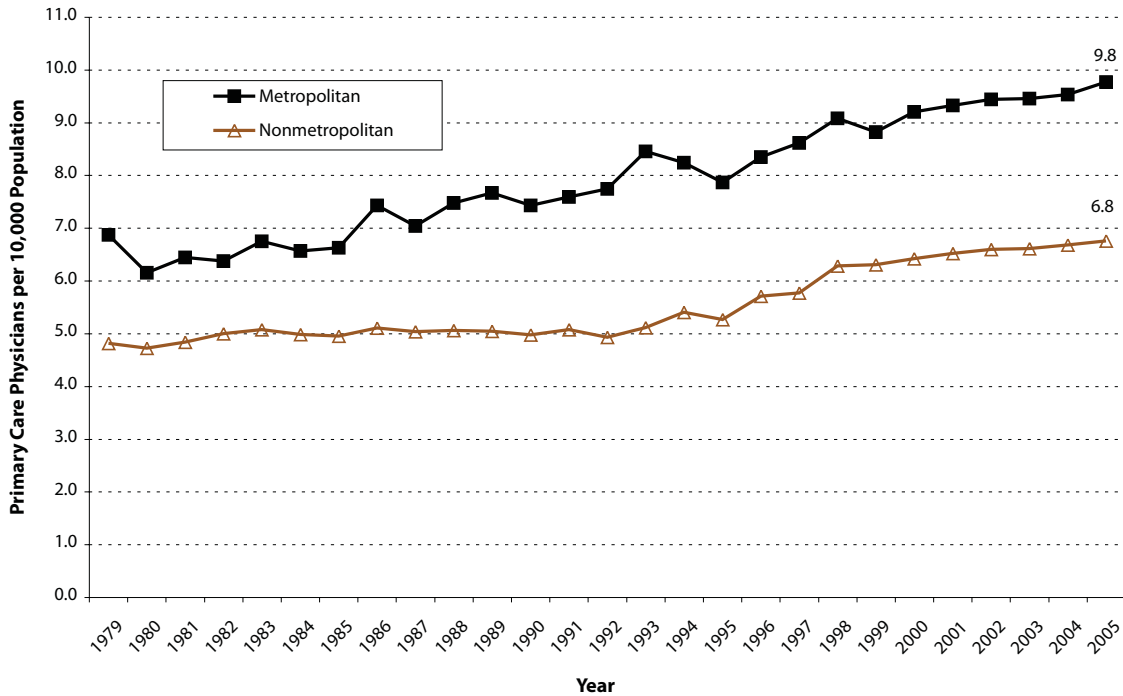
**Persistent Health Professional Shortage Area

**Figure 11. Primary Care Physicians per 10,000 Population
United States and North Carolina
1979-2005**



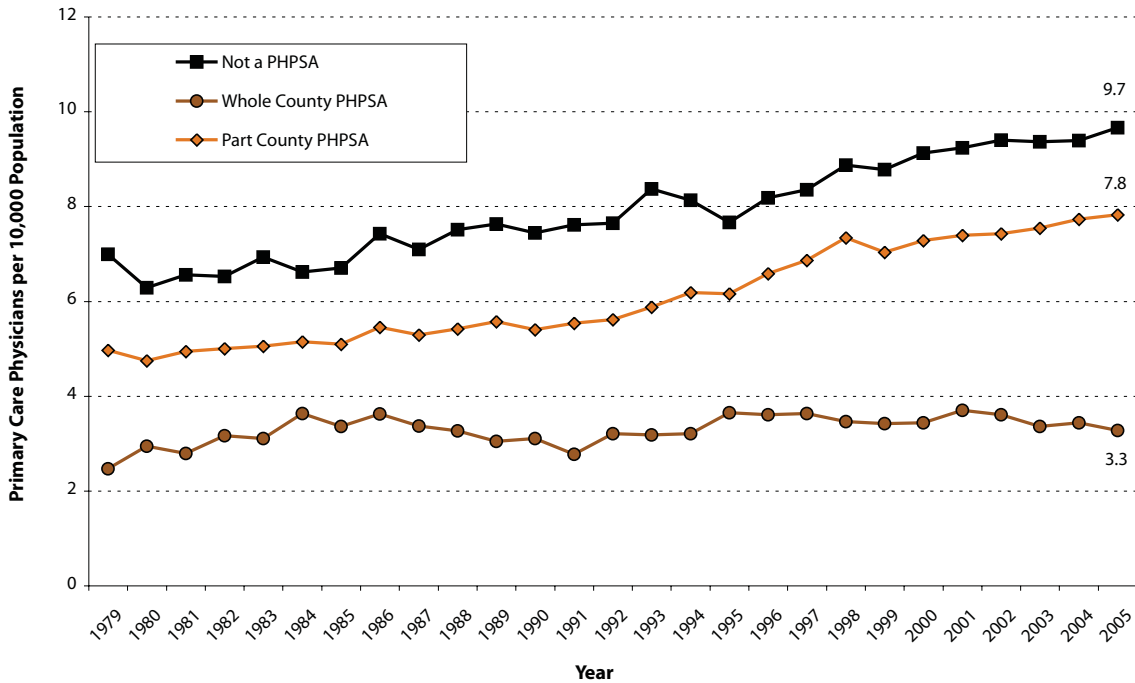
Notes: Figures include all active, in-state, non-federal, non-resident-in-training MDs and DOs. Primary care physicians include those indicating a primary specialty of Family Practice, General Practice, Internal Medicine, Ob/Gyn or Pediatrics.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; U.S. Census Bureau; Bureau of Health Professions, HRSA; AMA Masterfile, October 31, 2005.

**Figure 12. Primary Care Physicians per 10,000 Population
Metropolitan and Nonmetropolitan Counties, North Carolina
1979-2005**



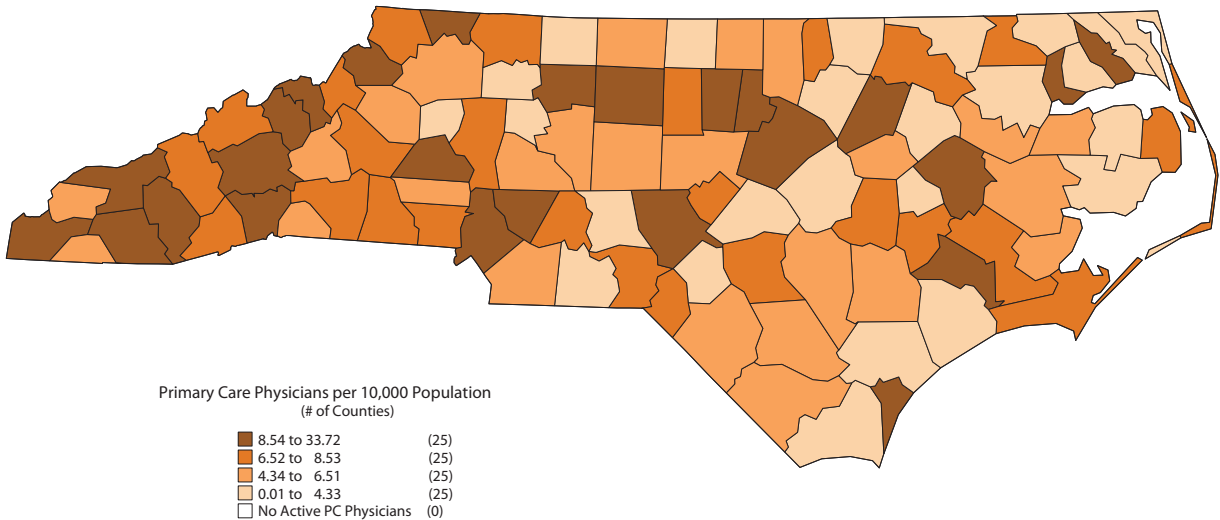
Notes: Figure includes all active, in-state, non-federal, non-resident-in-training MDs and DOs licensed as of October 31st of the respective year. Primary care physicians include those indicating a primary specialty of Family Practice, General Practice, Internal Medicine, Ob/Gyn or Pediatrics.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

**Figure 13. Primary Care Physicians per 10,000 Population
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1979-2005**



Notes: Figures include all active, in-state, non-federal, non-resident-in-training MDs and DOs licensed as of October 31st of the respective year. Primary care physicians include those indicating a primary specialty of Family Practice, General Practice, Internal Medicine, Ob/Gyn or Pediatrics. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions. Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006.

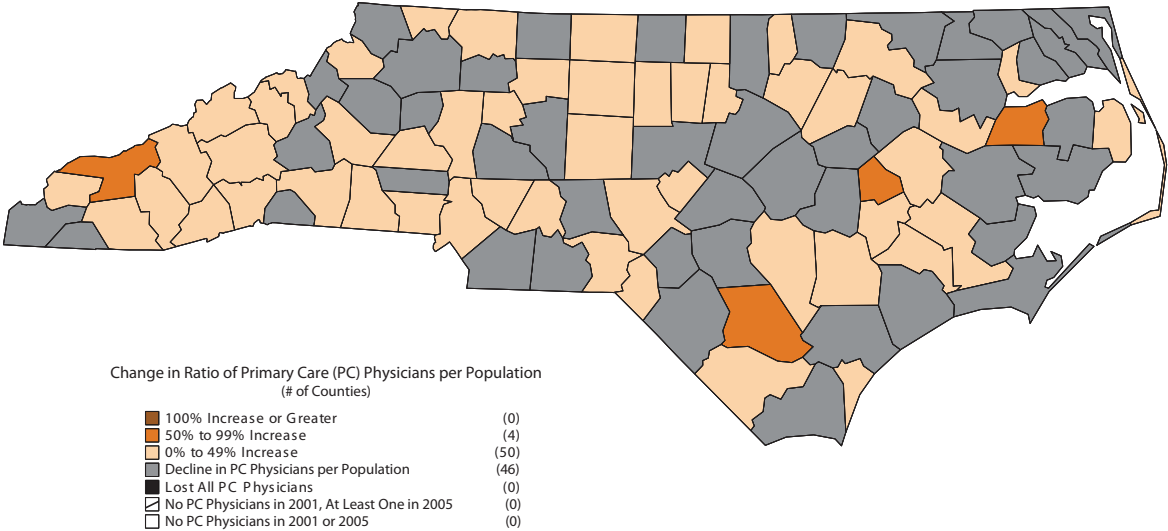
**Figure 14. Active Primary Care Physicians* per 10,000 Population
North Carolina, 2005**



*Note: Includes active, in-state, non-federal, non-resident-in-training MDs and DOs indicating a primary specialty of Family Practice, General Practice, Internal Medicine, Ob/Gyn or Pediatrics.

Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Medical Board; North Carolina State Data Center, Office of State Budget and Management.

Figure 15. Percent Change in Ratio of Active Primary Care Physicians* per 10,000 Population from 2001 to 2005



*Note: Includes active, in-state, non-federal, non-resident-in-training MDs and DOs indicating a primary specialty of Family Practice, General Practice, Internal Medicine, Ob/Gyn or Pediatrics.

Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Medical Board; North Carolina State Data Center, Office of State Budget and Management.

Physician Assistants (PAs) provide health care services under the supervision of a physician. PAs are authorized to write prescriptions, dispense drugs, and order medications, tests and treatments in hospitals, clinics, nursing homes and other health facilities. Physician assistants are a relatively new profession, developed in the 1960s, as a way to make use of the skills learned by non-physician military medical personnel and to reduce the burden on physicians in hospitals. Their potential for improving access to primary care became apparent early on, and over time, states began to allow a broader scope of practice under their licensure. Currently PAs are licensed in 43 states and the District of Columbia, certified in three, and registered in four. In North Carolina the Assistant to the Primary Care Physician Program began at Duke University in 1965 and authority to “delegate” practice responsibilities was authorized by the General Assembly in 1971. Licensure was established in 1974. North Carolina currently has four PA programs.

National data on the supply of PAs have not been regularly collected until recent years and the data used in this report exhibit considerable variation before 1994. The national PA-to-population ratio was higher than the state’s from 1994-2002, and then dropped suddenly in 2003 (Figure 16). North Carolina’s PA supply has increased the most in metropolitan counties over the last 27 years (Figure 17). The PA supply has increased steadily in non-PHPSA counties and part-county PHPSAs, while the supply in whole-county PHPSAs has consistently lagged behind (Figure 18).

Six counties, four of which are in eastern North Carolina, had no active PAs in 2005 (Figure 19). Sixty-seven counties experienced a net increase in PA supply over the last five years, while 27 counties had a decline in PA-to-population ratios including two counties, Hyde and Warren, which lost all of their active PAs (Figure 20).

Table 3: Summary Statistics for Physician Assistants in North Carolina

Physician Assistants per 10,000 Population		Total Active Physician Assistants	
1979:	0.55	1979:	318
2001:	2.48	2001:	2,032
2005:	3.09	2005:	2,674

Number of Physician Assistants per 10,000 Population in 2005

Metropolitan Areas:	3.50
Nonmetropolitan Areas:	2.16

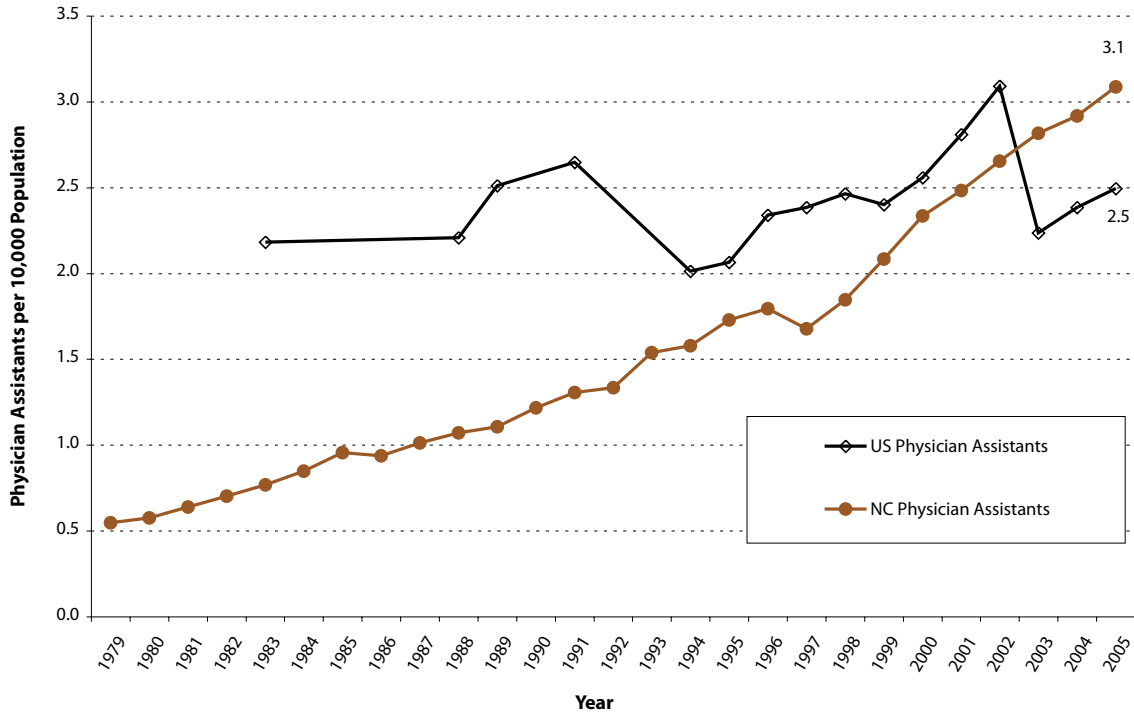
For the 11 counties designated as whole county PHPSAs*: 1.50
 For the 27 counties designated as part county PHPSAs*: 2.98
 For the 62 counties not designated as PHPSAs*: 3.22

County Level Data

- # of counties increasing physician assistant supply, 2001-2005: 67
- # of counties decreasing physician assistant supply, 2001-2005: 29
- # of counties with no physician assistants in 2005: 6

*Persistent Health Professional Shortage Area

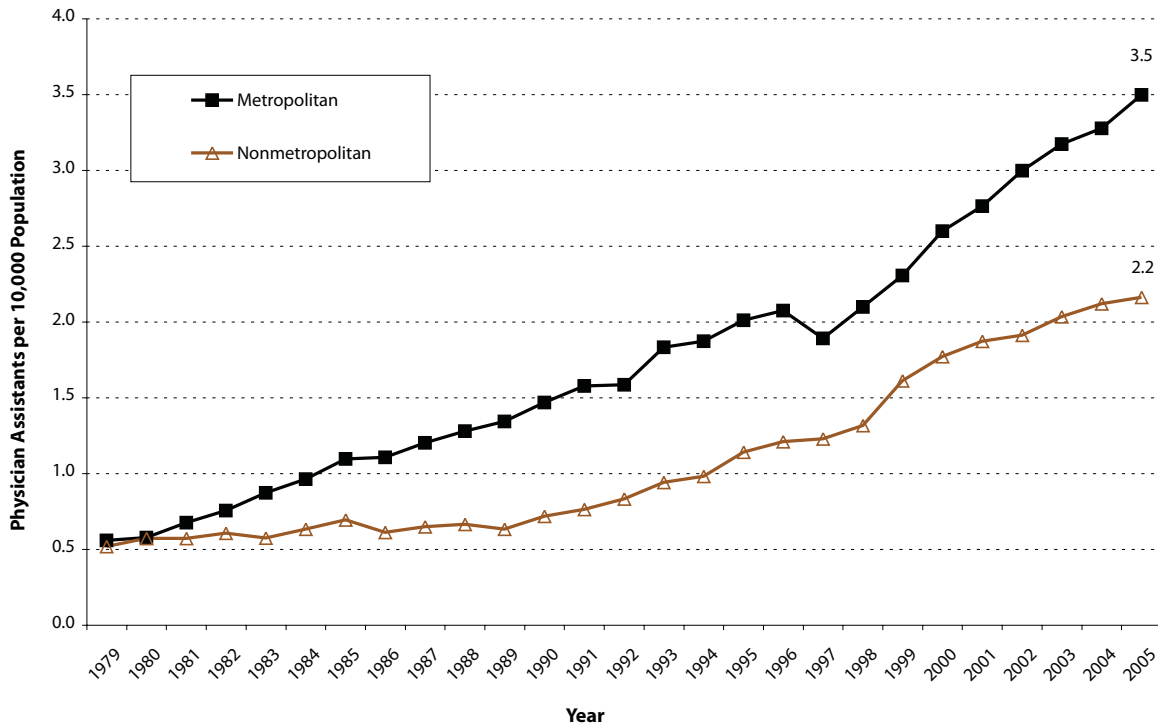
**Figure 16. Physician Assistants per 10,000 Population
United States and North Carolina
1979-2005**



Notes: Figures include all active, instate PAs.

Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Bureau of Health Professions, HRSA, U.S. Census Bureau, Statistical Abstract of the United States (various editions), Washington, DC, <http://www.census.gov/statab>.

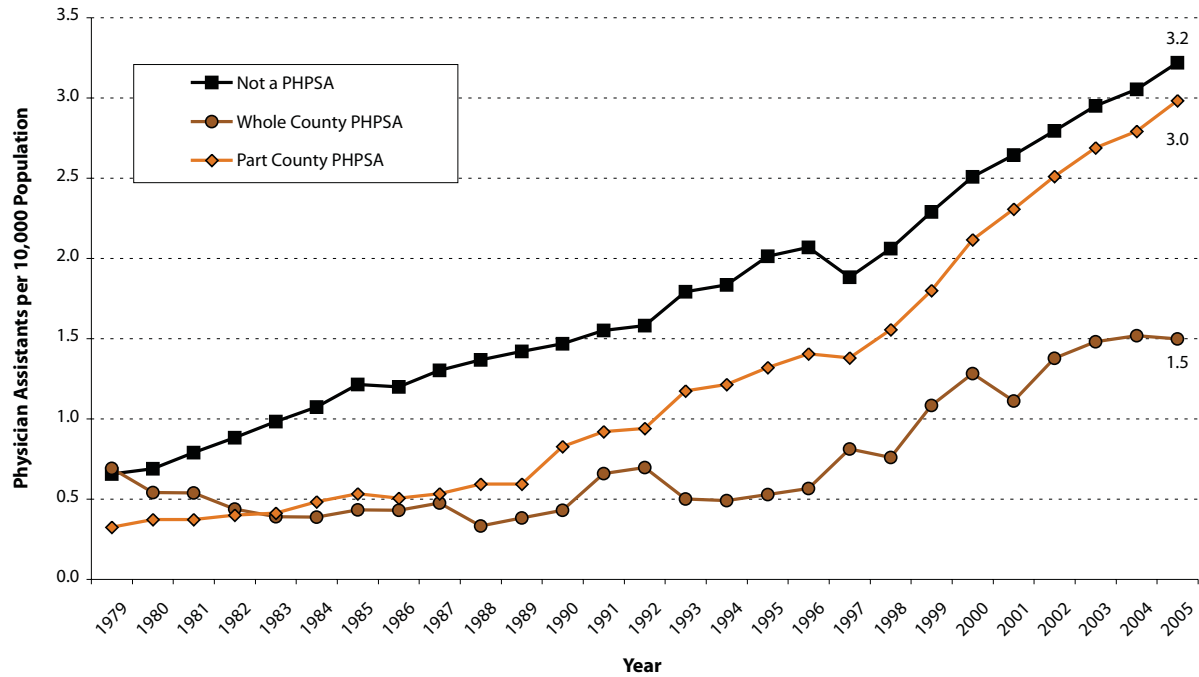
**Figure 17. Physician Assistants per 10,000 Population
Metropolitan and Nonmetropolitan Counties, North Carolina
1979-2005**



Notes: Figures include all active, instate PAs licensed as of October 31st of the respective year.

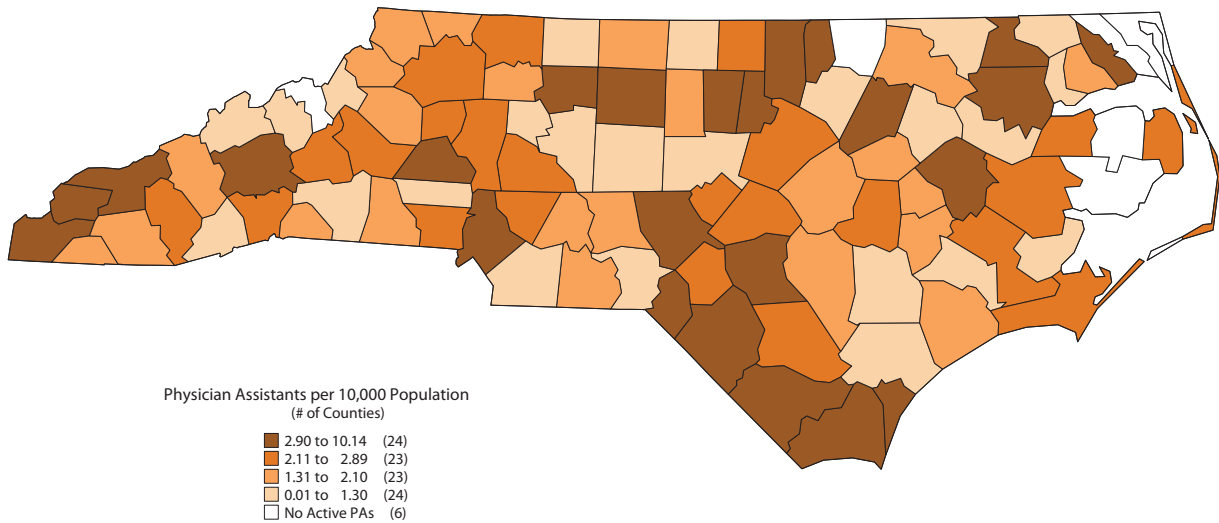
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

**Figure 18. Physician Assistants per 10,000 Population
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1979-2005**



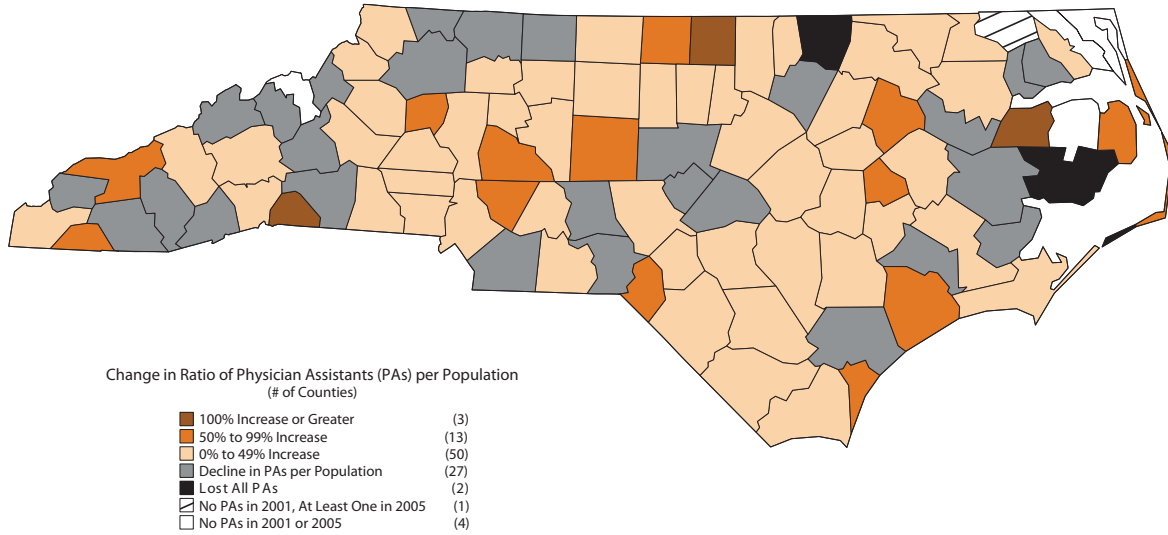
Notes: Figures include all active, in-state PAs licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006 (PHPSA status).

**Figure 19. Active Physician Assistants per 10,000 Population
North Carolina, 2005**



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Medical Board; North Carolina State Data Center, Office of State Budget and Management.

Figure 20. Percent Change in Ratio of Active Physician Assistants per 10,000 Population from 2001 to 2005



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Medical Board; North Carolina State Data Center, Office of State Budget and Management.

Chiropractors adjust the spinal column and other joints of the body to treat and prevent disease, correct abnormalities and to ease irritation to spinal nerves. Chiropractors conduct patient consults, case histories, physical exams, laboratory analysis and X-ray examinations. They may treat patients with exercise, water, light ultrasound or electric and heat therapy. Chiropractors do not write prescriptions or perform surgery. To practice as a Doctor of Chiropractic (D.C.) in North Carolina, an individual must earn a college degree and complete four academic years of resident instruction at a college of chiropractic approved by the North Carolina Board of Chiropractic Examiners. There are no schools of chiropractic in North Carolina.

The number of chiropractors per 10,000 population in North Carolina grew slowly between 1979 and 2005 and at a rate slower than the U.S. (Figure 21). The number of chiropractors per population for the U.S. in 2005 should be treated with caution due to the large increase in practitioners per population compared to the trend in previous years.

Chiropractors tend to practice in metropolitan counties and the difference in the provider-to-population ratios between metropolitan and nonmetropolitan areas has increased since 1979 (Figure 22). They also tend to practice in non-PHPsAs and part-county PHPsAs rather than in whole-county PHPsAs, and the gap is widening. In 1979, non-PHPsA counties had 0.6 chiropractors per 10,000 population; this number increased to 1.6 by 2005. The supply of chiropractors relative to the population in part-county PHPsAs has exceeded that of non-PHPsAs since 1994 (Figure 23).

In 2005, there were 12 counties in the state that did not have any chiropractors (Figure 24). The highest practitioner-to-population ratios in 2005 were concentrated in western counties of the state, although selected counties in central and far eastern portions of the state also had higher ratios. Between 2001 and 2005, two counties, Northampton and Washington, lost all of their chiropractors, and ten counties had no chiropractors in either 2001 or 2005 (Figure 25). These counties are primarily located in the northeastern part of the state.

Table 4: Summary Statistics for Chiropractors in North Carolina

Chiropractors per 10,000 Population		Total Active Chiropractors	
1979:	0.53	1979:	311
2001:	1.38	2001:	1,134
2005:	1.39	2005:	1,207

Number of Chiropractors per 10,000 Population in 2005

Metropolitan Areas:	1.60
Nonmetropolitan Areas:	1.03

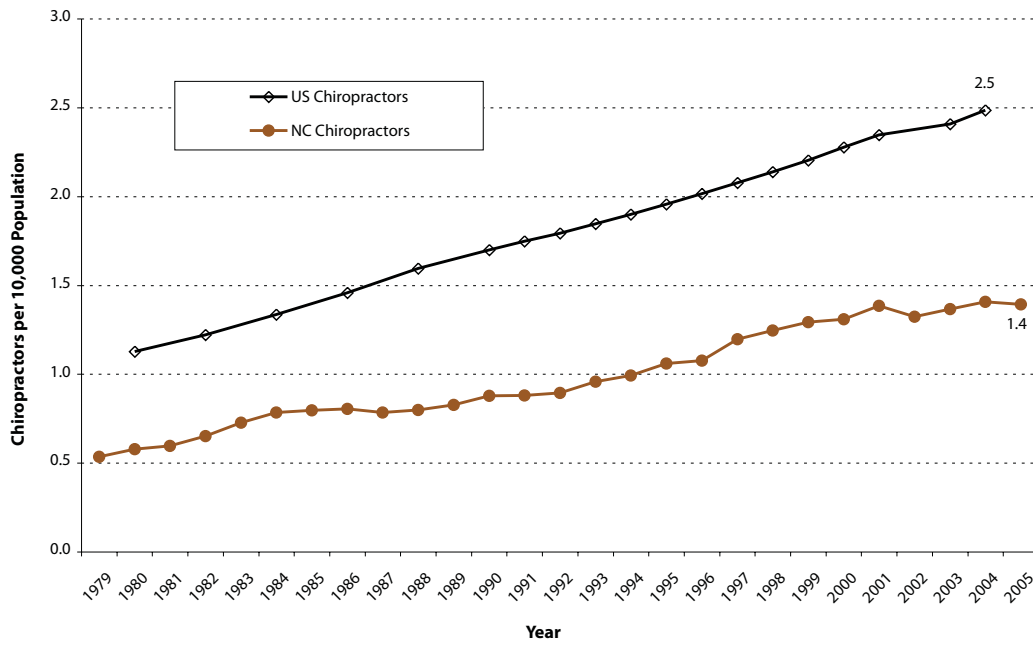
For the 11 counties designated as whole county PHPsAs*: 0.39
 For the 27 counties designated as part county PHPsAs*: 1.55
 For the 62 counties not designated as PHPsAs*: 1.35

County Level Data

- # of counties increasing chiropractor supply, 2001-2005: 33
- # of counties decreasing chiropractor supply, 2001-2005: 57
- # of counties with no chiropractors in 2005: 12

*Persistent Health Professional Shortage Area

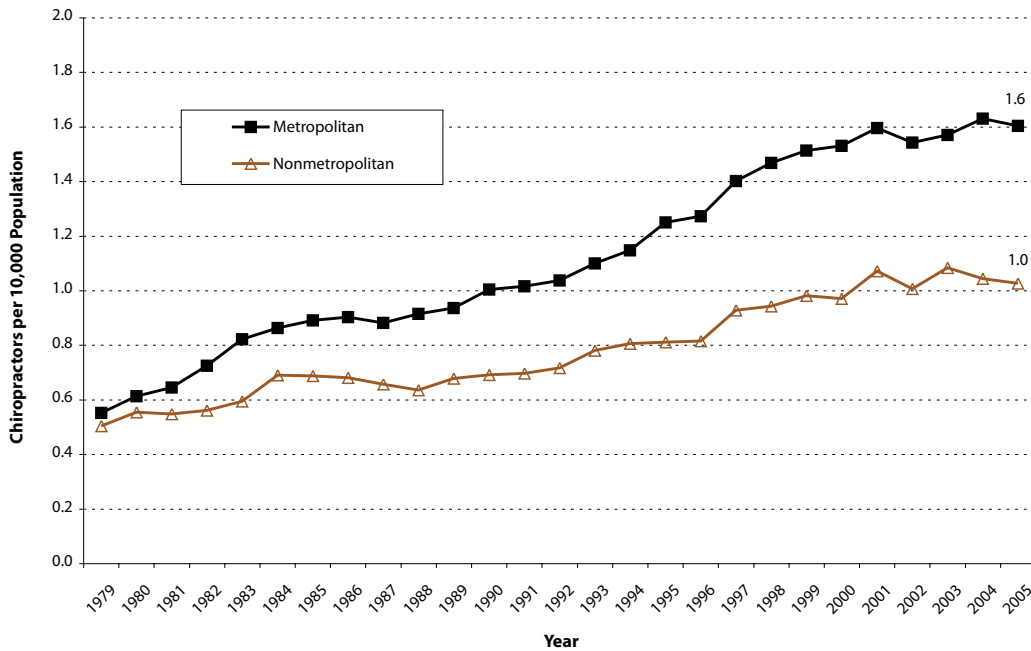
**Figure 21. Chiropractors per 10,000 Population
United States and North Carolina
1979-2005**



Note: Figures include all active, in-state chiropractors.

Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; U.S. Census Bureau; Bureau of Health Professions, HRSA; U.S. Bureau of Labor Statistics.

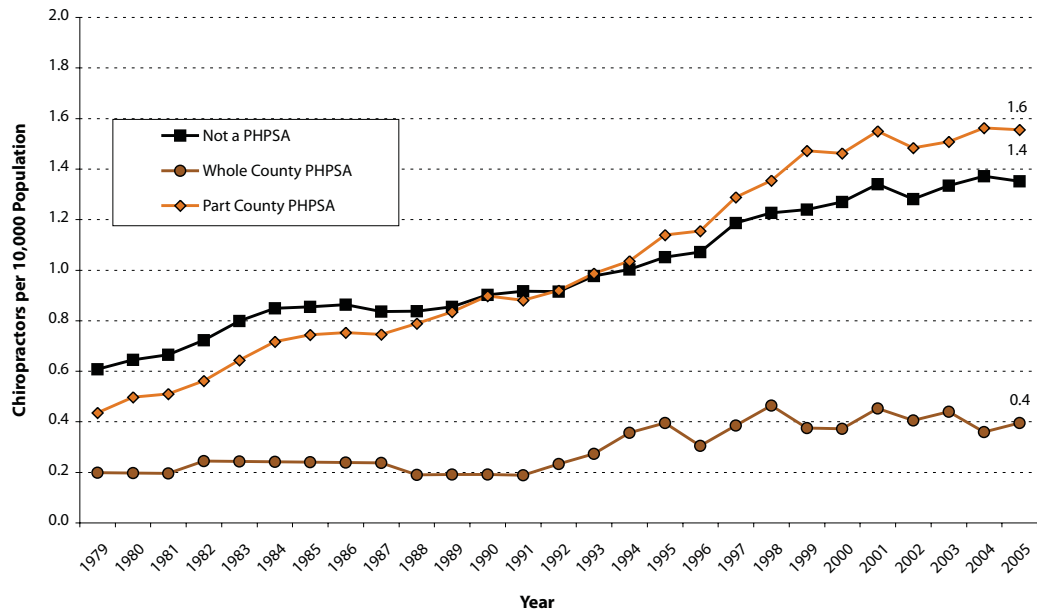
**Figure 22. Chiropractors per 10,000 Population
Metropolitan and Nonmetropolitan Counties, North Carolina
1979-2005**



Notes: Figures include all active, in-state chiropractors licensed as of October 31st of the respective year.

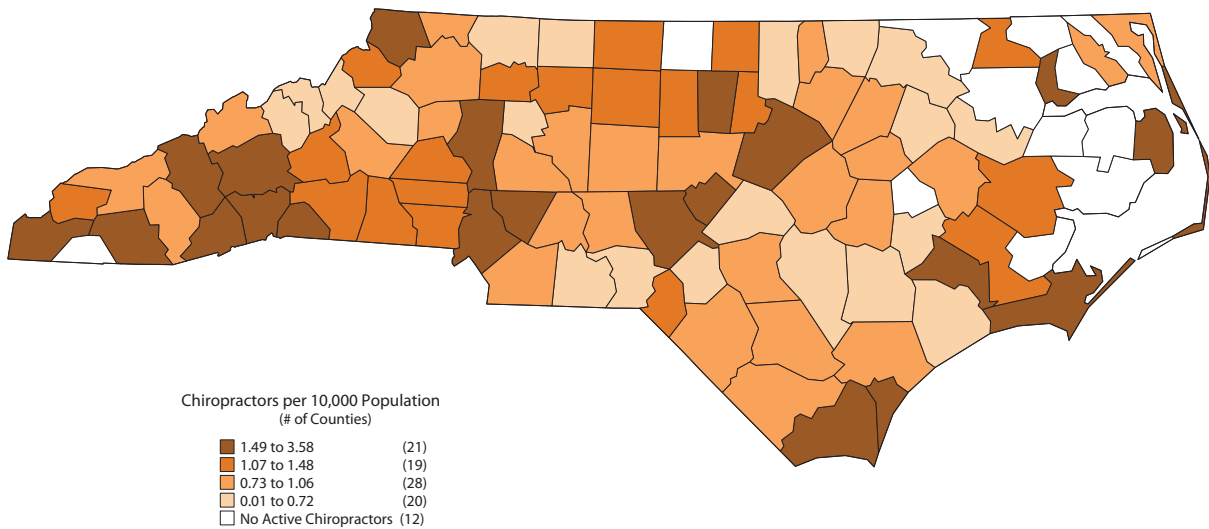
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget.

**Figure 23. Chiropractors per 10,000 Population
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1979-2005**



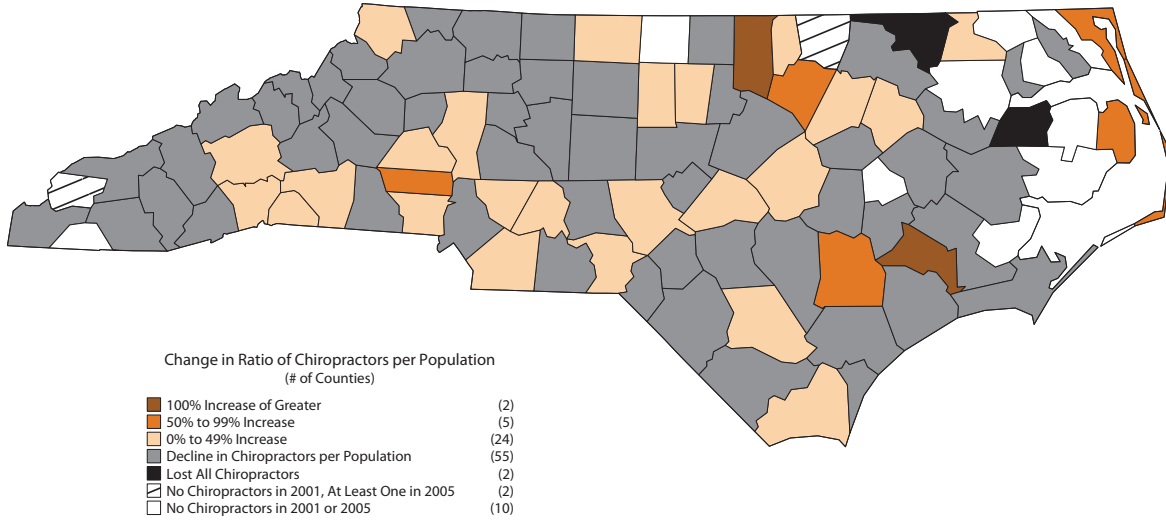
Notes: Figures include all active, in-state chiropractors licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006.

**Figure 24. Active Chiropractors per 10,000 Population
North Carolina, 2005**



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

Figure 25. Percent Change in Ratio of Active Chiropractors per 10,000 Population from 2001 to 2005



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

Podiatrists are specialists who treat the human foot and ankle. They diagnose and treat foot ailments such as tumors, fractures, skin and nail diseases and deformities. These may be corrected surgically through treatment or medication. A minimum of 90 hours of undergraduate preparation is required to enter a professional program in podiatry; most individuals have an undergraduate degree. The educational program in podiatry takes four years, including clinical training. This program is followed by a one- to three-year post-doctoral training period at a teaching hospital. There are no schools of podiatry in North Carolina and only eight accredited schools nationally.

The national supply of podiatrists relative to population exceeds that of the state (Figure 26); however, North Carolina’s supply of podiatrists grew at a faster rate than the national supply from 1979 to 1995, after which the state’s supply stabilized. National data from 2000-2005 were obtained from the Bureau of Labor Statistics and showed sharp declines from 2001-2002 and 2003-2004 (due to a possible data collection issue, the 2004 data point is smoothed and indicated by a dashed line).

Podiatrists are in greater supply in metropolitan than in nonmetropolitan areas (Figure 27). Most podiatrists work in non- and part-county PHSAs. For all but two years between 1979 and 1995, there were no active podiatrists in whole-county PHSAs; since then, whole-county PHSAs have shown the most rapid growth, but also the sharpest declines. (Figure 28)

Forty-two counties did not have an active podiatrist in 2005, with a notable absence of providers in pockets of northeastern and western North Carolina (Figure 29); 41 of these counties had no podiatrists in 2001 either. In addition, 35 counties had a decline in their podiatrist to population ratios between 2001 and 2005 (Figure 30).

Table 5: Summary Statistics for Podiatrists in North Carolina

Podiatrists per 10,000 Population		Total Active Podiatrists	
1979:	0.12	1979:	70
2001:	0.28	2001:	231
2005:	0.28	2005:	245

Number of Podiatrists per 10,000 Population in 2005

Metropolitan Areas:	0.31
Nonmetropolitan Areas:	0.22

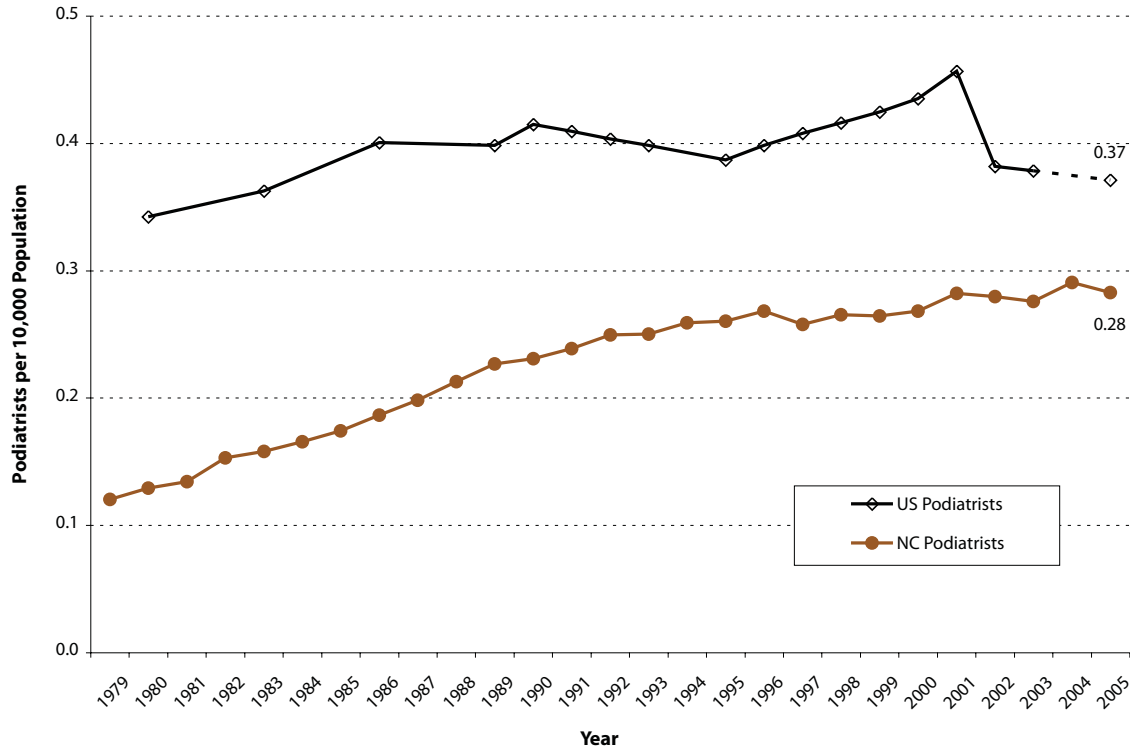
For the 11 counties designated as whole county PHSAs*: 0.08
 For the 27 counties designated as part county PHSAs*: 0.29
 For the 62 counties not designated as PHSAs*: 0.29

County Level Data

- # of counties increasing podiatrist supply, 2001-2005: 24
- # of counties decreasing podiatrist supply, 2001-2005: 35
- # of counties with no podiatrists in 2005: 42

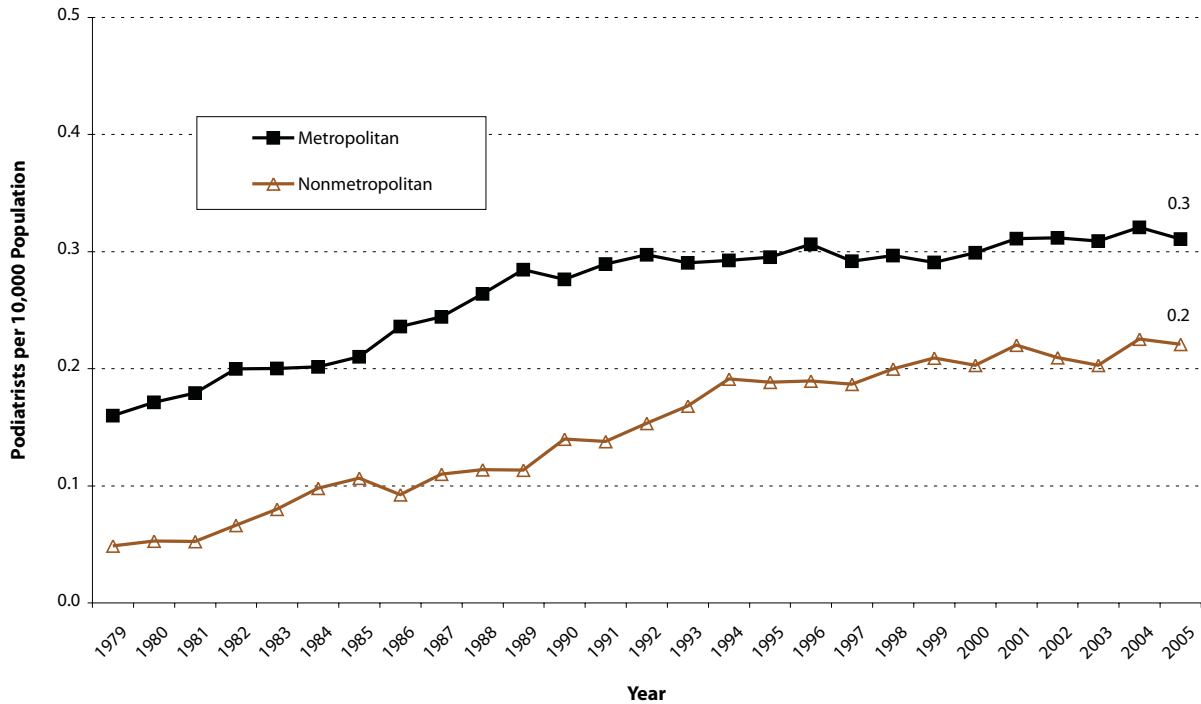
*Persistent Health Professional Shortage Area

**Figure 26. Podiatrists per 10,000 Population
United States and North Carolina
1979-2005**



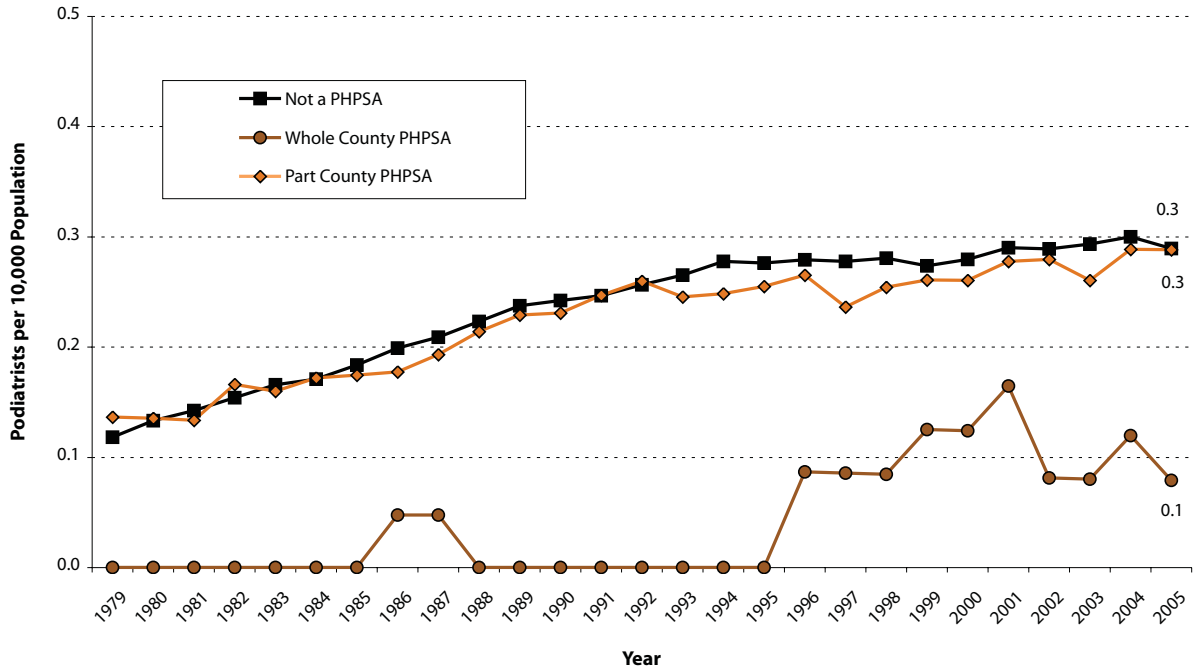
Notes: Figures include all active, in-state podiatrists. The dashed line from 2003 to 2005 indicates smoothing because of unreliable data.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; U.S. Census Bureau; Bureau of Health Professions, HRSA; U.S. Bureau of Labor Statistics.

**Figure 27. Podiatrists per 10,000 Population
Metropolitan and Nonmetropolitan Counties, North Carolina
1979-2005**



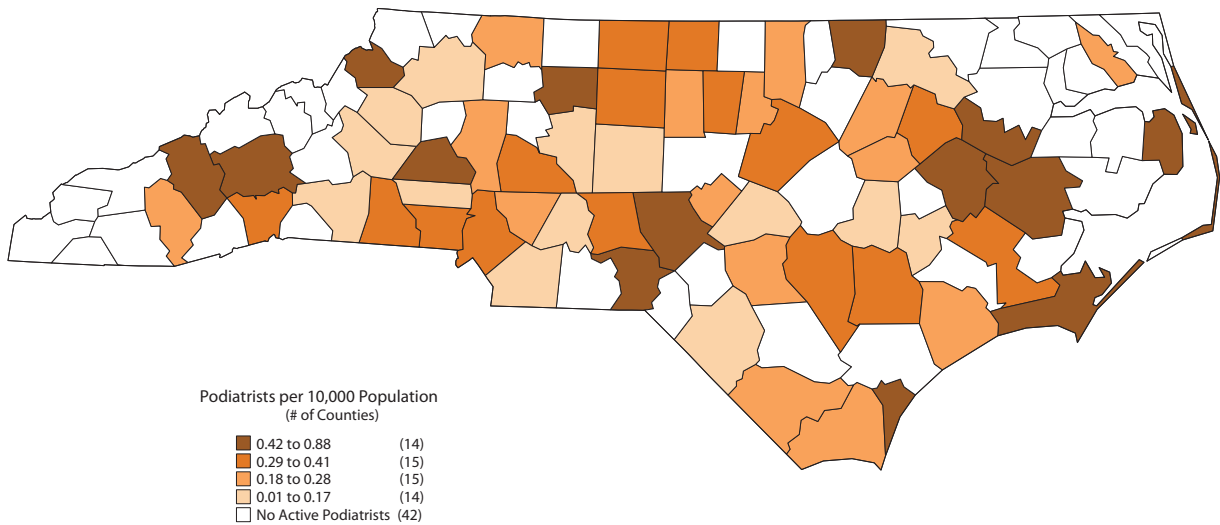
Notes: Figures include all active, in-state podiatrists licensed as of October 31st of the respective year.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

**Figure 28. Podiatrists per 10,000 Population
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1979-2005**



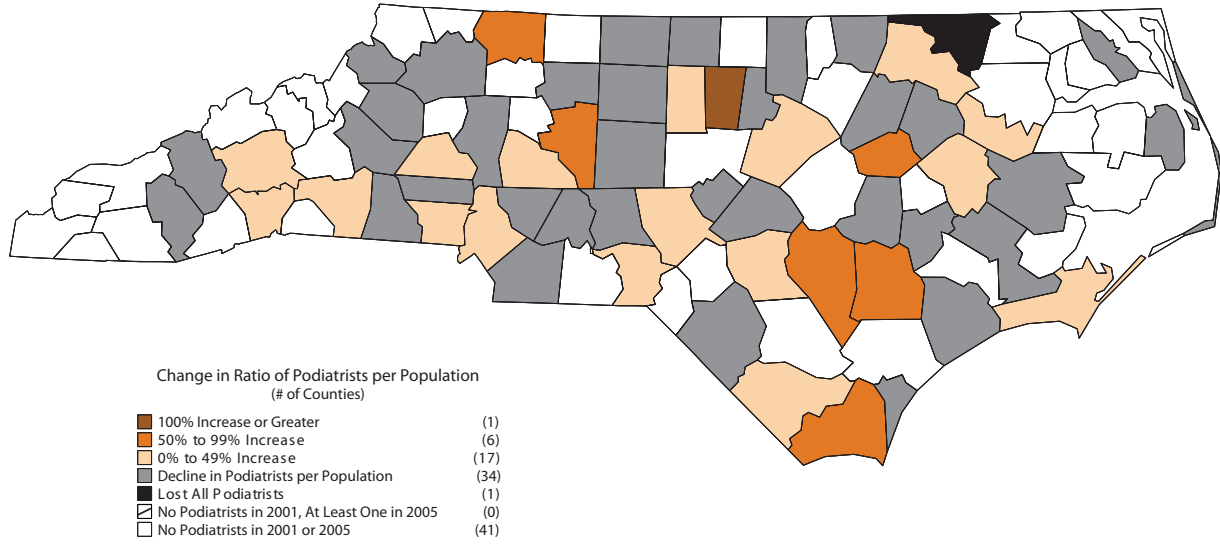
Notes: Figures include all active, in-state podiatrists licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006.

**Figure 29. Active Podiatrists per 10,000 Population
North Carolina, 2005**



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Podiatry Examiners; North Carolina State Data Center, Office of State Budget and Management.

Figure 30. Percent Change in Ratio of Active Podiatrists per 10,000 Population from 2001 to 2005



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Podiatry Examiners; North Carolina State Data Center, Office of State Budget and Management.

Registered Nurses (RNs) provide care, treatment, counseling and health education to patients and their families. RNs are also involved in health promotion and disease prevention activities; they monitor patients' conditions, give medications and treatments prescribed by doctors; and communicate with physicians and other members of the health care team. There are three avenues of licensure as an RN: a two-year associate degree from an approved junior or community college; a three-year diploma from an approved hospital-based school of nursing; and a four-year baccalaureate program from an approved university or college.

There are more RNs in North Carolina than any other single health profession; a total of 79,835 active RNs practiced in North Carolina in 2005. The RN-to-population ratio in the state has nearly doubled from 46 RNs per 10,000 population in 1979 to nearly 92 RNs per 10,000 population in 2005. From 1979-1990 the national RN-to-population ratio exceeded that of North Carolina. Since 1991, North Carolina has had more RNs relative to its population than the national average (Figure 31). The supply of RNs in metropolitan and nonmetropolitan counties has shown similar growth rates since 1979 with metropolitan areas having consistently more RNs per 10,000 people than nonmetropolitan areas (Figure 32). The RN supply per 10,000 population in counties with adequate numbers of health professionals (non-PHPsAs), was more than double that of whole-county and part-county PHPsAs and the gap is widening (Figure 33).

In 2005, the distribution of RNs varied across the state but no county was without one (Figure 34). Between 2001 and 2005, 64 counties saw a decrease in their RN-to-population ratio and the other 36 counties saw increase of less than 50%. All counties had at least one RN in 2001 (Figure 35).

Table 6: Summary Statistics for Registered Nurses in North Carolina

RNs per 10,000 Population		Total Active RNs	
1979:	46.07	1979:	26,807
2001:	91.34	2001:	74,790
2005:	92.15	2005:	79,835

Number of Registered Nurses per 10,000 Population in 2005

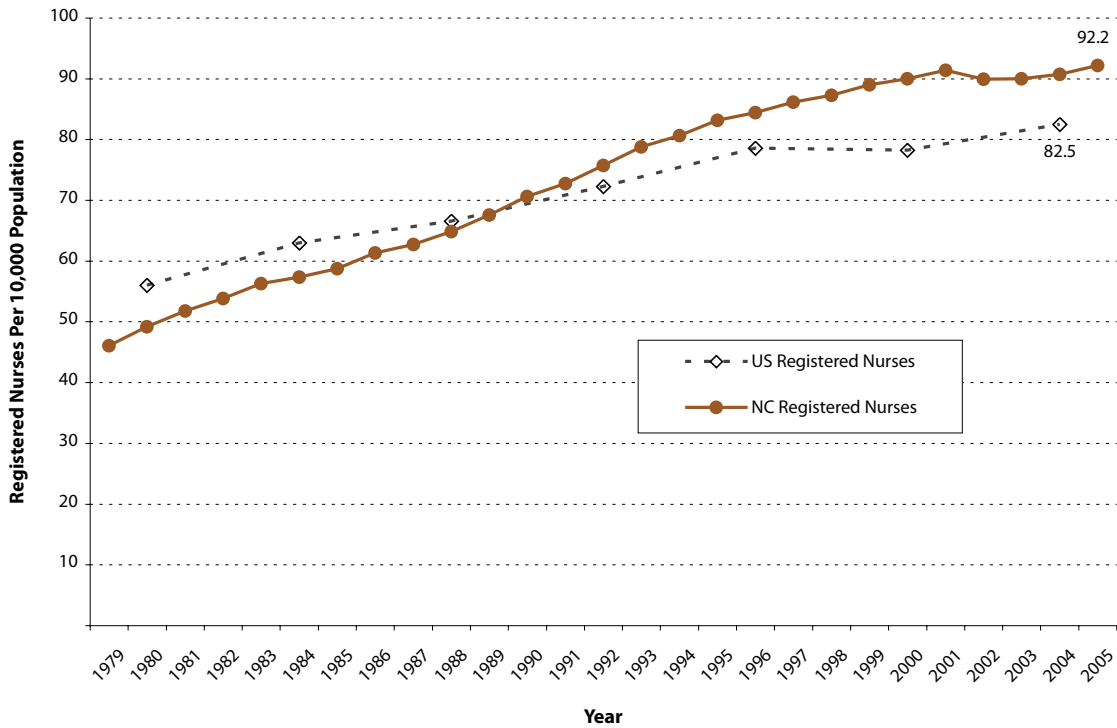
Metropolitan Areas:	101.71
Nonmetropolitan Areas:	70.72
For the 11 counties designated as whole county PHPsAs*:	39.93
For the 27 counties designated as part county PHPsAs*:	83.14
For the 62 counties not designated as PHPsAs*:	99.55

County Level Data

- # of counties increasing RN supply, 2001-2005: 36
- # of counties decreasing RN supply, 2001-2005: 64
- # of counties with no RNs in 2005: 0

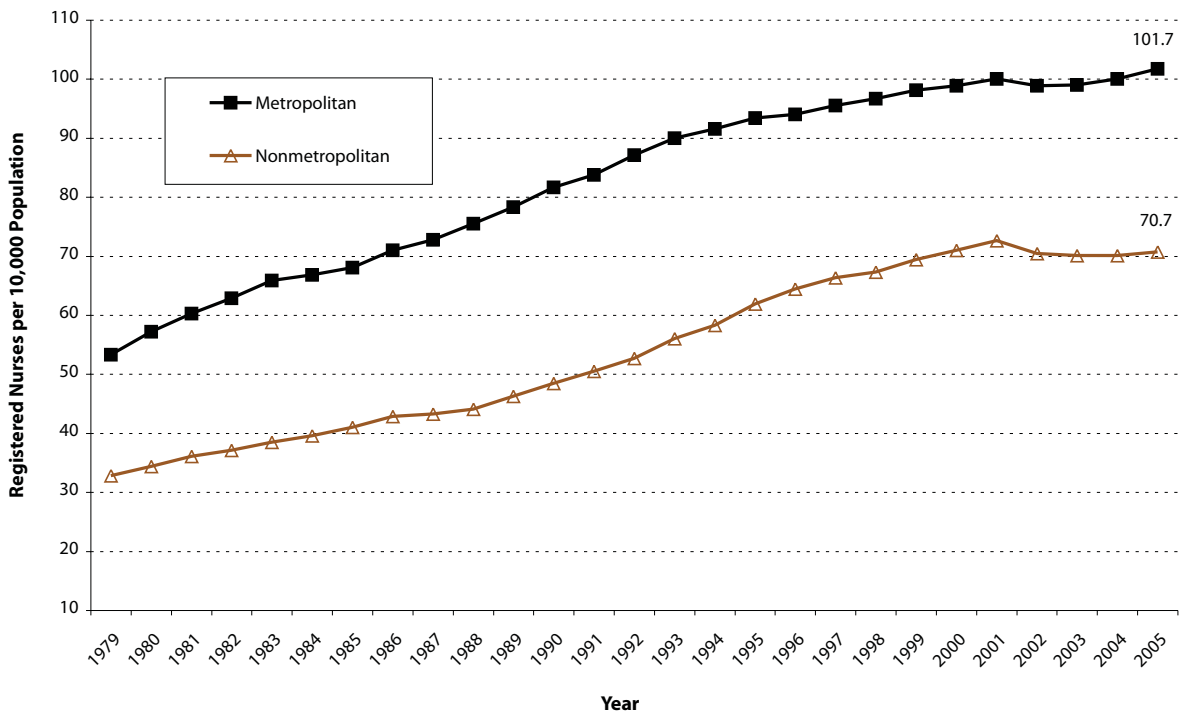
*Persistent Health Professional Shortage Area

**Figure 31. Registered Nurses per 10,000 Population
United States and North Carolina
1979-2005**



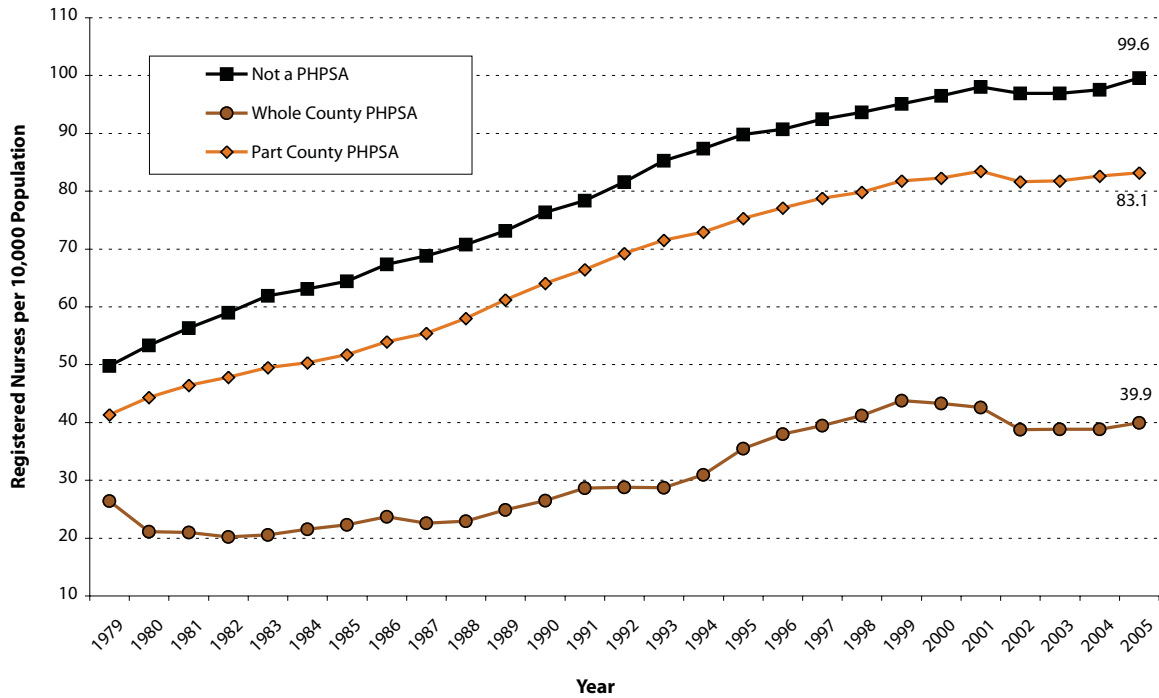
Notes: Figures include all active, instate RNs. Data are reported every four years and are connected by a dashed line.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; U.S. Census Bureau; Bureau of Health Professions, HRSA: The Registered Nurse Population- Findings from the National Sample Survey of Registered Nurses, 2004, 2000, 1996, 1992, 1988, 1984, 1980.

**Figure 32. Registered Nurses per 10,000 Population
Metropolitan and Nonmetropolitan Counties, North Carolina
1979-2005**



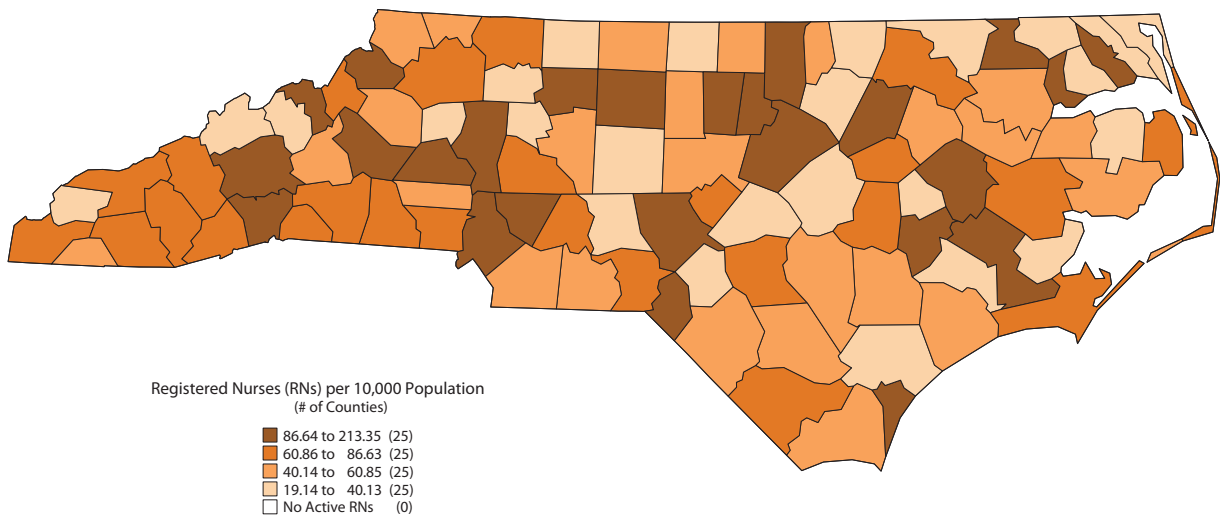
Notes: Figures include all active, instate RNs licensed as of October 31st of the respective year.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

**Figure 33. Registered Nurses per 10,000 Population
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1979-2005**



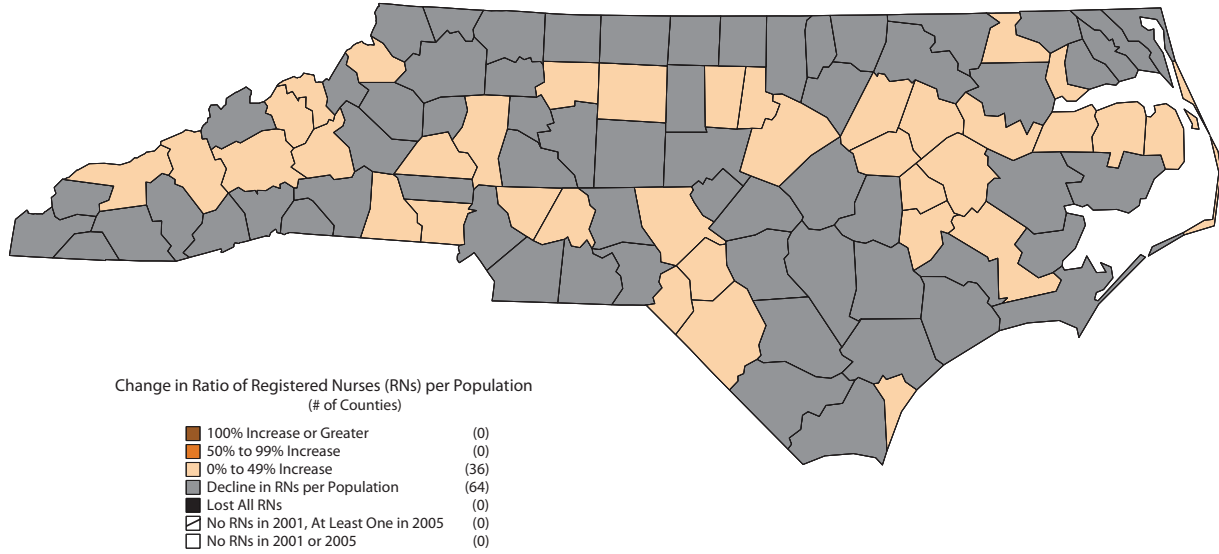
Notes: Figures include all active, in-state RNs licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006.

**Figure 34. Active Registered Nurses per 10,000 Population
North Carolina, 2005**



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Nursing; North Carolina State Data Center, Office of State Budget and Management.

Figure 35. Percent Change in Ratio of Active Registered Nurses per 10,000 Population from 2001 to 2005



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Nursing; North Carolina State Data Center, Office of State Budget and Management.

Nurse Practitioners (NPs) are nurses who have either completed a graduate nursing degree or received certification to provide preventive and medical care to individuals and families in association with a physician. In collaboration with a supervising physician, NPs can write prescriptions, dispense drugs, and order medications, tests and treatments in hospitals, clinics, nursing homes and other health facilities. In North Carolina, nurse practitioners are licensed as registered nurses and are jointly approved to practice as nurse practitioners by the Medical Board and the Board of Nursing.

One of the first three family nurse practitioner education programs in the nation was established in North Carolina. That program was developed specifically for the purpose of preparing these primary care professionals to practice in rural parts of the state. In 1975, NC became the first state to authorize NPs to perform medical acts, including diagnosis and prescribing medications. Today, nurse practitioners are recognized in every state and the District of Columbia and their scope of practice has been expanded to allow for independent practice in many settings for many roles. North Carolina currently has seven master’s degree programs for NPs.

North Carolina’s supply of NPs has closely mirrored that of the nation’s. Since 1991, the state has experienced a rapid increase in the supply of NPs, which has grown more marked starting in 1995. There were no U.S. data for 2005 but in 2004 the number of NPs in the U.S. was higher than NC (Figure 36). In the early years (1979-1981) NPs had a fairly even metropolitan-nonmetropolitan distribution pattern, but the number of NPs per population has grown more rapidly in metropolitan counties since that time (Figure 37). The same is true for part and non-PHPSA counties, with non-PHPSA counties showing slightly faster growth. Nurse practitioners were more frequently working in whole-county PHPSAs between 1979 and 1983 but the ratio began to decrease in 1982 and in 1989 this was the least likely location for them to work. In 1992 this ratio began to increase but, with the exception of 1994, it has stayed below non- and part-PHPSA counties (Figure 38).

In 2005, only two counties, Gates and Camden, both located in the northeast, had no active NPs (Figure 39). However, the majority of the counties (63) increased their supply of NPs per 10,000 population between 2001-2005 (Figure 40).

Table 7: Summary Statistics for Nurse Practitioners in North Carolina

NPs per 10,000 Population		Total Active NPs	
1979:	0.48	1979:	279
2001:	2.25	2001:	1,845
2005:	2.82	2005:	2,440

Number of Nurse Practitioners per 10,000 Population in 2005

Metropolitan Areas:	3.17
Nonmetropolitan Areas:	2.03

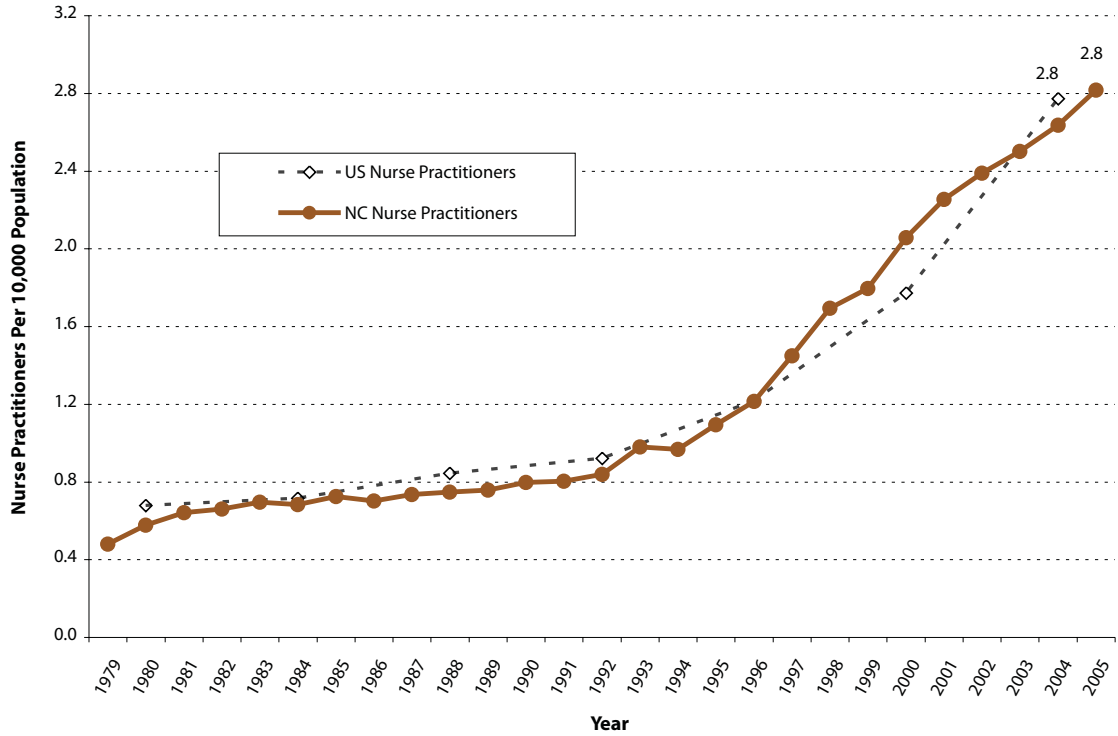
For the 11 counties designated as whole county PHPSAs*: 1.62
 For the 27 counties designated as part county PHPSAs*: 2.45
 For the 62 counties not designated as PHPSAs*: 3.08

County Level Data

- # of counties increasing NP supply, 2001-2005: 63
- # of counties decreasing NP supply, 2001-2005: 36
- # of counties with no NPs in 2005: 2

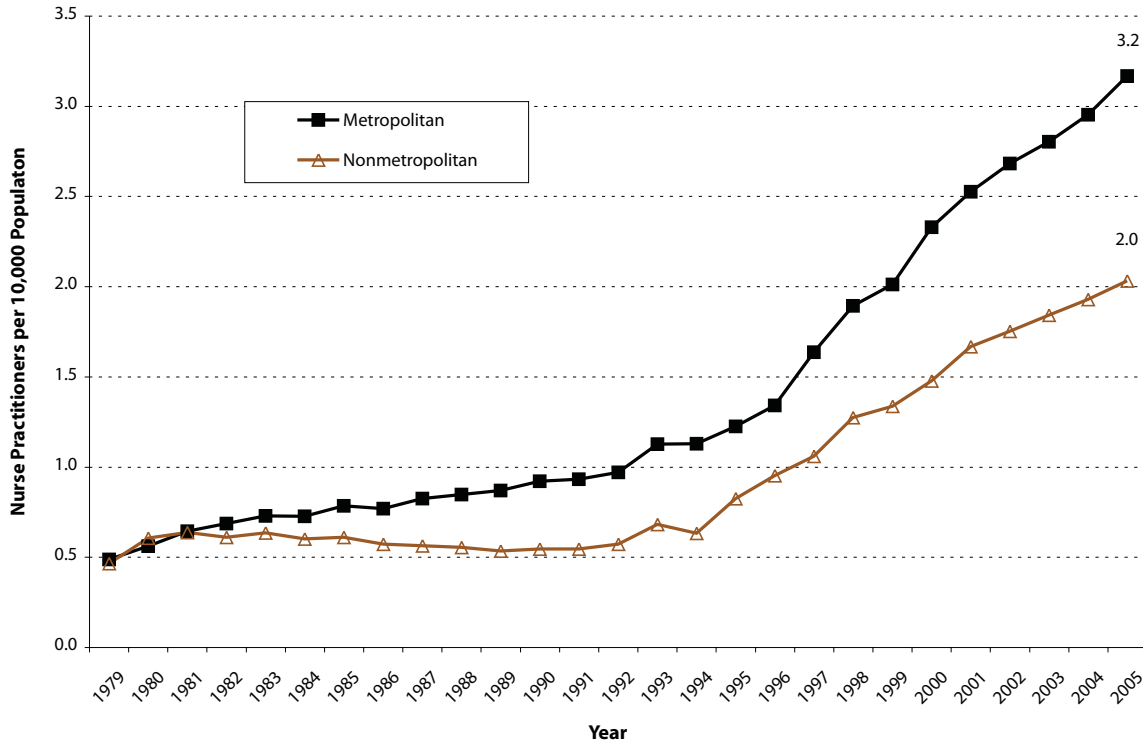
*Persistent Health Professional Shortage Area

**Figure 36. Nurse Practitioners per 10,000 Population
United States and North Carolina
1979-2005**



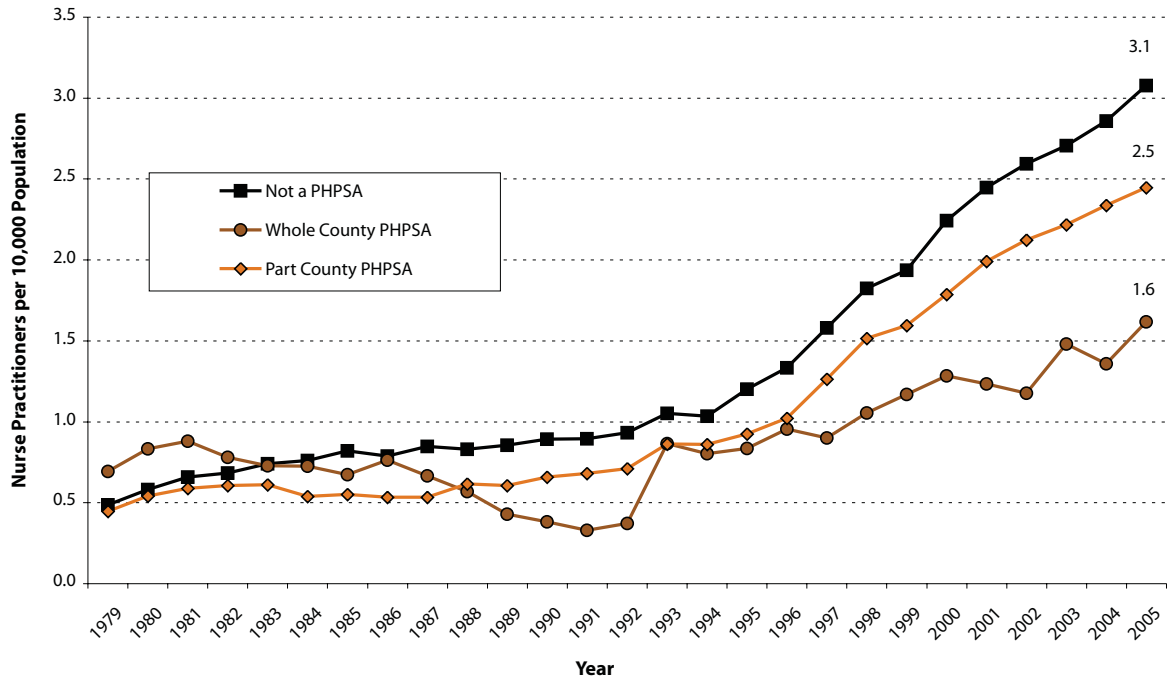
Note: Figures include all active, instate nurse practitioners. Data are reported every four years and are connected by a dashed line.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; U.S. Census Bureau; Bureau of Health Professions, HRSA: The Registered Nurse Population- Findings from the National Sample Survey of Registered Nurses, 2004, 2000, 1996, 1992, 1988, 1984, 1980.

**Figure 37. Nurse Practitioners per 10,000 Population
Metropolitan and Nonmetropolitan Counties, North Carolina
1979-2005**



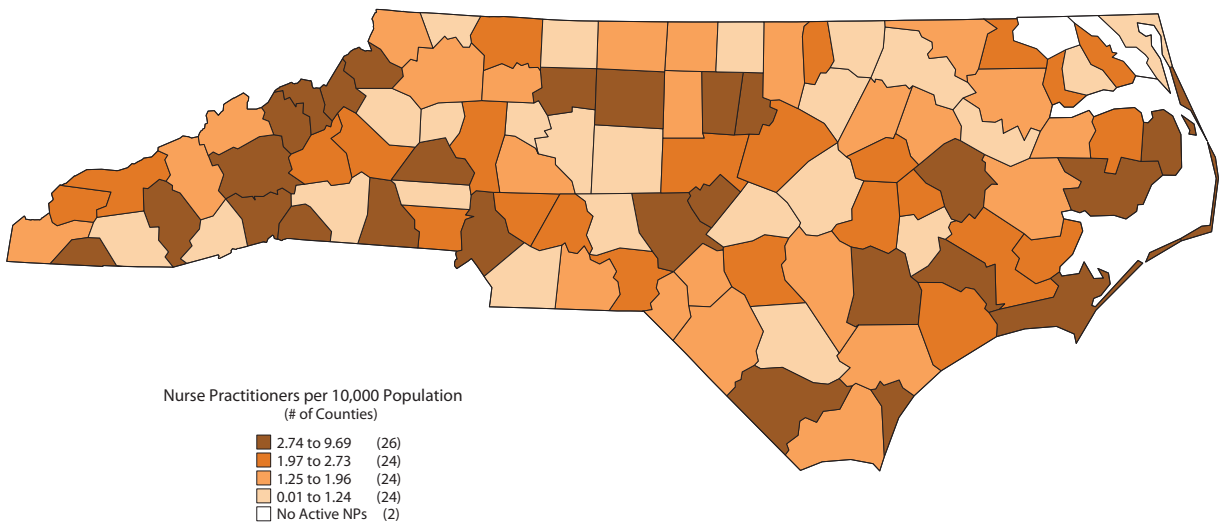
Notes: Figures include all active, instate NPs licensed as of October 31st of the respective year.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

**Figure 38. Nurse Practitioners per 10,000 Population
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1979-2005**



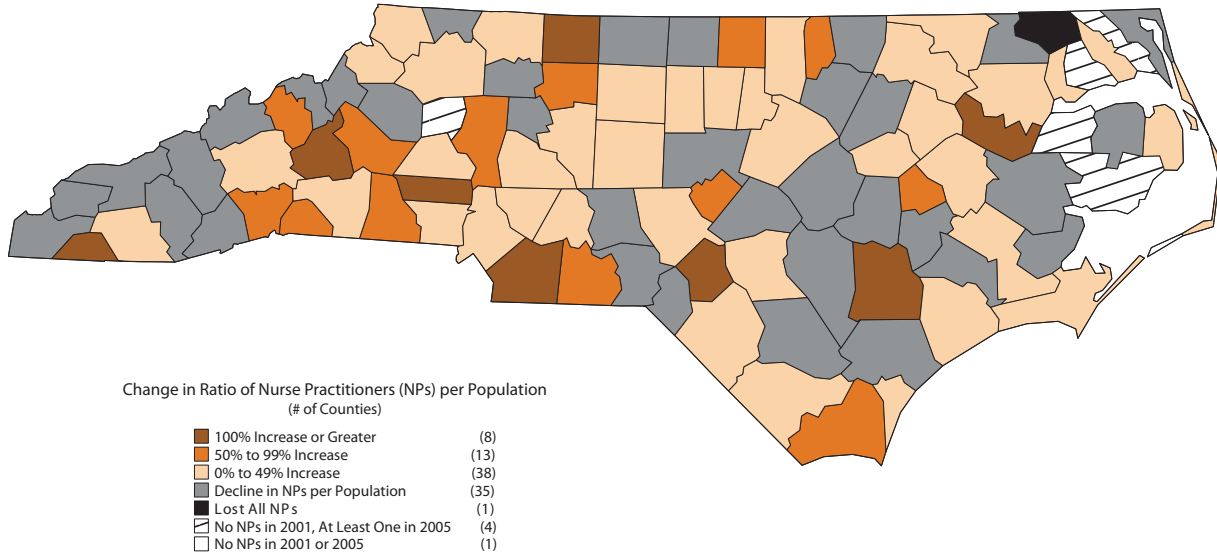
Notes: Figures include all active, in-state NPs licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006.

**Figure 39. Active Nurse Practitioners per 10,000 Population
North Carolina, 2005**



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Medical Board; North Carolina State Data Center, Office of State Budget and Management.

Figure 40. Percent Change in Ratio of Active Nurse Practitioners per 10,000 Population from 2001 to 2005



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Medical Board; North Carolina State Data Center, Office of State Budget and Management.

Certified Nurse Midwives (CNMs) are registered nurses with advanced training who manage the care of healthy women, focusing particularly on pregnancy, childbirth, the postpartum period, care of the newborn, family planning and gynecological needs. Nurse midwifery came to the United States in the 1920s but the first educational programs did not begin until the 1930s. In North Carolina, nurse midwifery was recognized in the 1950s and since 1983, nurse midwives have been regulated by the Midwifery Joint Committee (a committee that includes representatives from the Board of Nursing and the Medical Board). In 1992, an educational program at East Carolina University was begun, and it is currently the only nurse midwifery program in the state. However, there are several distance learning programs outside the state that allow North Carolina students to remain in-state while training to be a nurse midwife.

The supply of CNMs in North Carolina grew steadily from the late 1980s through 2002. In 2003, the supply relative to childbearing age (15-44) females dipped, but rebounded in 2004 and 2005. This rebound brought supply back to the 2002 figure, but the rate of growth relative to population has slowed. The CNM-to-population ratios in North Carolina were below the U.S. ratios from 1984 through 1996. Between 1997 and 2001 they rose above the U.S. ratios but in 2002 they again fell below the U.S. (Figure 41).

Because CNMs must practice under the supervision of a physician (e.g. obstetrician or family medicine physician), their geographic distribution is partly dependent on the availability of physicians willing to supervise CNMs. The number of CNMs per females ages 15-44 in the state is distributed relatively evenly between metropolitan and nonmetropolitan counties, although there are consistently fewer in non-metropolitan counties (Figure 42). Since 1999, more CNMs practice in non-PHPSA counties than in part- or whole-county PHPSAs. From 1984-1991 and in 2005, there were no CNMs actively practicing in whole-county PHPSAs (Figure 43). In 2005, there were 52 counties without a CNM (Figure 44); 48 of these counties did not have a CNM in 2001 either (Figure 45).

Table 8: Summary Statistics for Certified Nurse Midwives in North Carolina

Certified Nurse Midwives (CNMs) per 10,000 Childbearing Age Females*		Total Active Certified Nurse Midwives	
1979:	0.19	1979:	29
2001:	0.96	2001:	172
2005:	1.08	2005:	198

Number of Certified Nurse Midwives per 10,000 Population in 2005

Metropolitan Areas:	1.14
Nonmetropolitan Areas:	0.93

For the 11 counties designated as whole county PHPSAs**: 0
 For the 27 counties designated as part county PHPSAs**: 0.93
 For the 62 counties not designated as PHPSAs**: 1.21

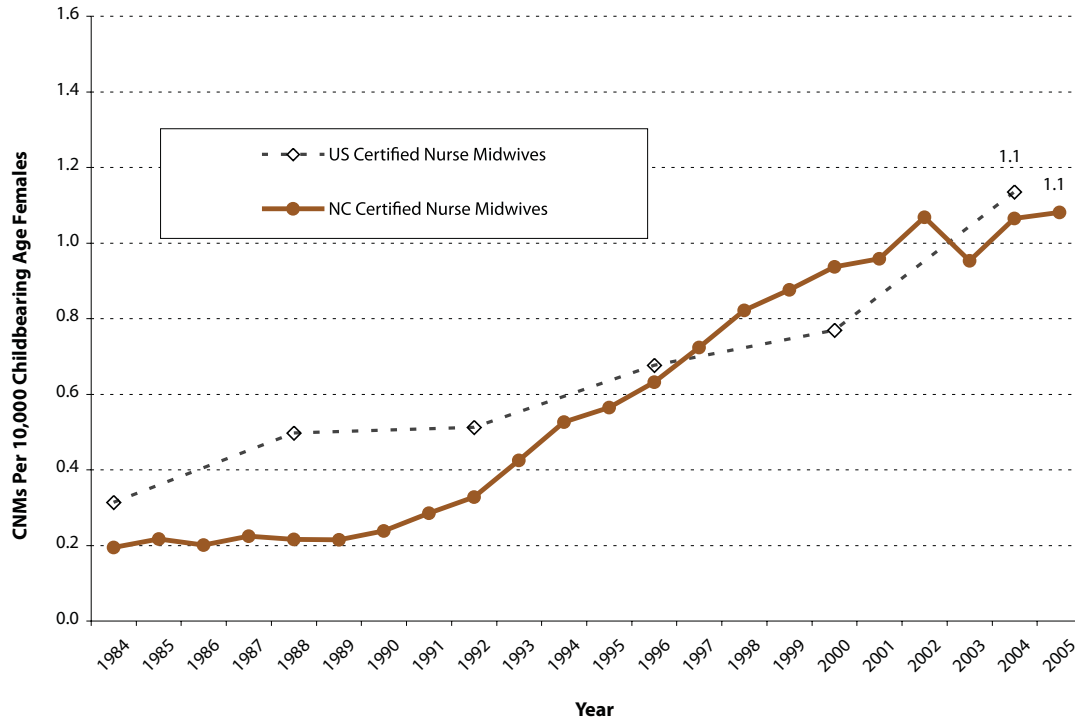
County Level Data

- # of counties increasing CNM supply, 2001-2005: 6
- # of counties decreasing CNM supply, 2001-2005: 46
- # of counties with no CNMs in 2005: 52

*Childbearing age: 15-44 years.

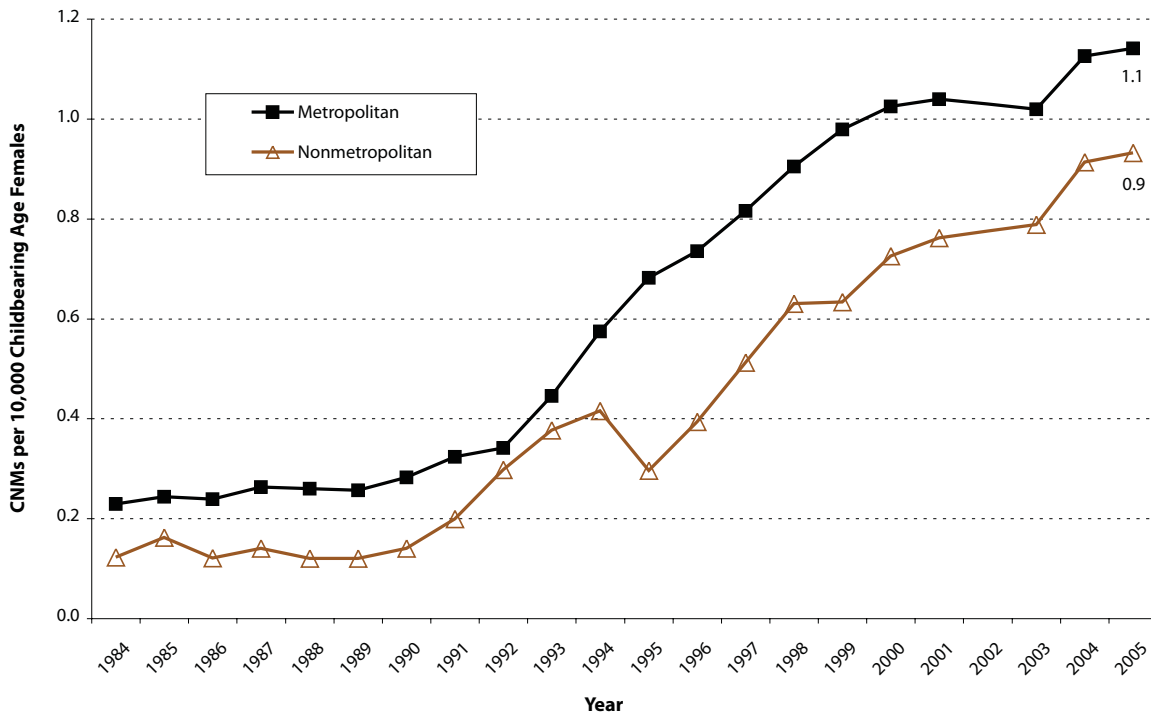
**Persistent Health Professional Shortage Area

**Figure 41. Certified Nurse Midwives per 10,000 Females Age 15-44
United States and North Carolina
1984-2005**



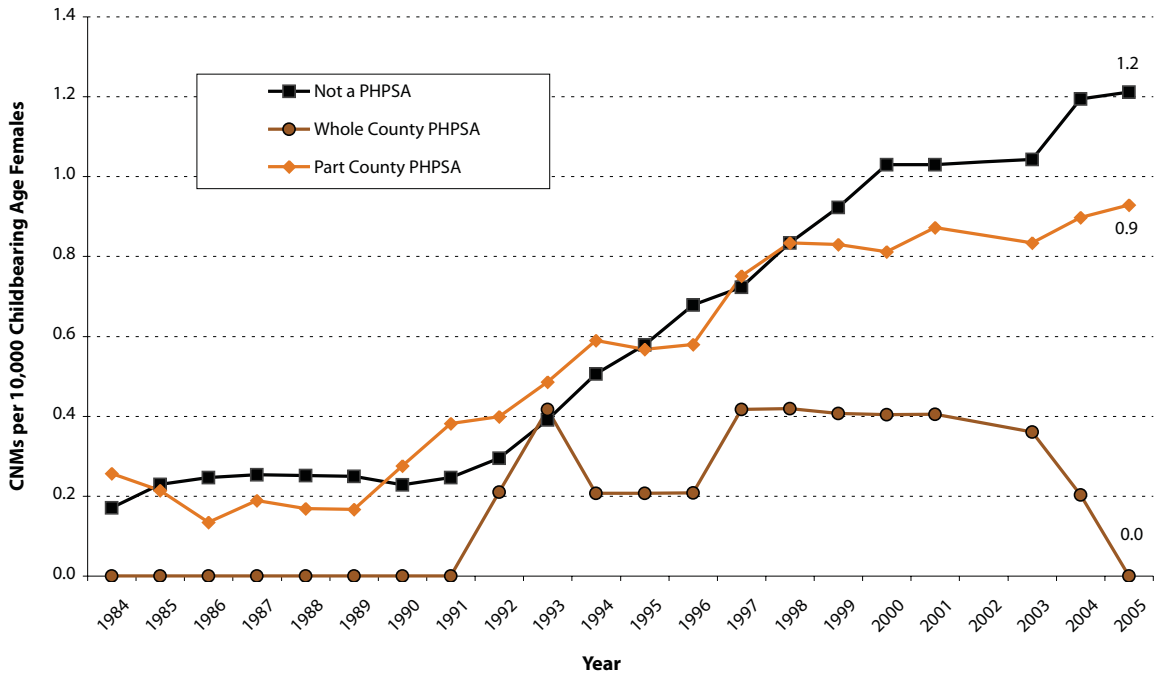
Note: Figures include all active, instate CNMs. Data are reported every four years and are connected by a dashed line.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; U.S. Census Bureau; Bureau of Health Professions, HRSA: The Registered Nurse Population- Findings from the National Sample Survey of Registered Nurses, 2004, 2000, 1996, 1992, 1988, 1984, 1980.

**Figure 42. Certified Nurse Midwives per 10,000 Females Age 15-44
Metropolitan and Nonmetropolitan Counties, North Carolina
1984-2005**



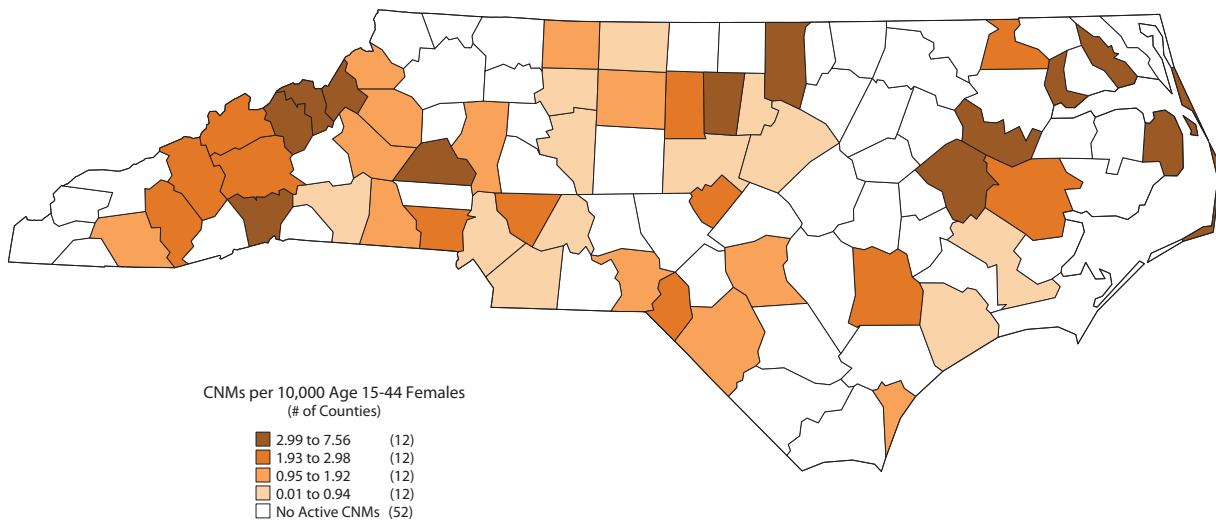
Figures include all active, instate CNMs licensed as of October 31st of the respective year.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

**Figure 43. Certified Nurse Midwives per 10,000 Females Age 15-44
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1984-2005**



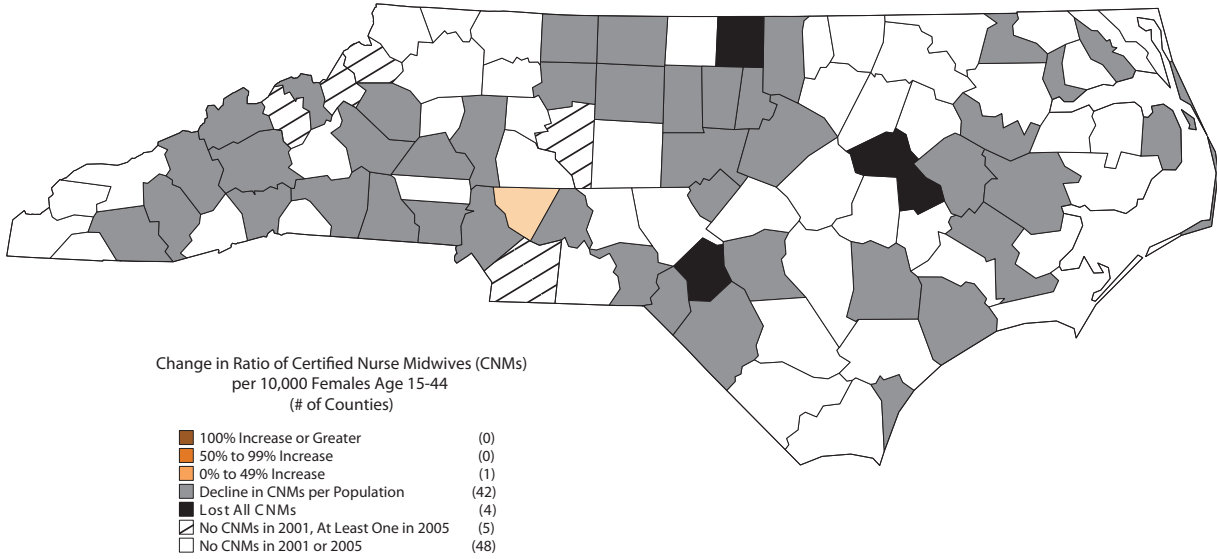
Figures include all active, in-state CNMs licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006.

**Figure 44. Active Certified Nurse Midwives (CNMs) per 10,000 Females Age 15-44
North Carolina, 2005**



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Midwifery Joint Committee; North Carolina State Data Center, Office of State Budget and Management.

Figure 45. Percent Change in Ratio of Active Certified Nurse Midwives per 10,000 Females Age 15-44 from 2001 to 2005



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Midwifery Joint Committee; North Carolina State Data Center, Office of State Budget and Management.

Licensed Practical Nurses (LPNs) provide hands-on care to patients by implementing health care plans developed by a physician, registered nurse or other authorized clinicians. The required educational preparation is a one-year (four quarters) licensed practical nurse program at an accredited community college/technical institute or other approved institution. North Carolina has 35 programs that offer a diploma (one year).

The supply of LPNs has fluctuated since 1979, both nationally and in North Carolina. In North Carolina, the number of LPNs has been decreasing since 1995, while U.S. supply started declining in 1992. In 2003, the Bureau of Labor Statistics revised the occupational categories, combining LPNs and licensed vocational nurses, which accounts for the upward spike in 2003 (Figure 46). Vocational nurses are included in LPN counts in North Carolina. Despite these yearly fluctuations and the jump in national data, the number of LPNs per 10,000 people in North Carolina has consistently exceeded the national ratio.

Since 1993, nonmetropolitan counties have had higher LPN per 10,000 population ratios than metropolitan counties (Figure 47). In 1979, the LPN supply in non-PHPSA counties was considerably higher than that of part-and whole PHPSA counties; however, the difference between the two has been narrowing since 1991. In 2005, the ratios were nearly the same by PHPSA status, and there were slightly more LPNs per 10,000 population in whole-county PHPSAs than there were in either part-county or non-PHPSAs (Figure 48).

In 2005, every North Carolina county had at least one LPN (Figure 49). From 2001-2005, 74 counties had a decline in the supply of LPNs per 10,000 population, and 26 counties saw an increase (Figure 50).

Table 9: Summary Statistics for Licensed Practical Nurses in North Carolina

Licensed Practical Nurses (LPNs) per 10,000 Population		Total Active Licensed Practical Nurses	
1979:	20.89	1979:	12,153
2001:	21.74	2001:	17,797
2005:	19.58	2005:	16,960

Number of Licensed Practical Nurses per 10,000 Population in 2005

Metropolitan Areas:	18.54
Nonmetropolitan Areas:	21.90

For the 11 counties designated as whole county PHPSAs*: 19.94

For the 27 counties designated as part county PHPSAs*: 19.49

For the 62 counties not designated as PHPSAs*: 19.61

County Level Data

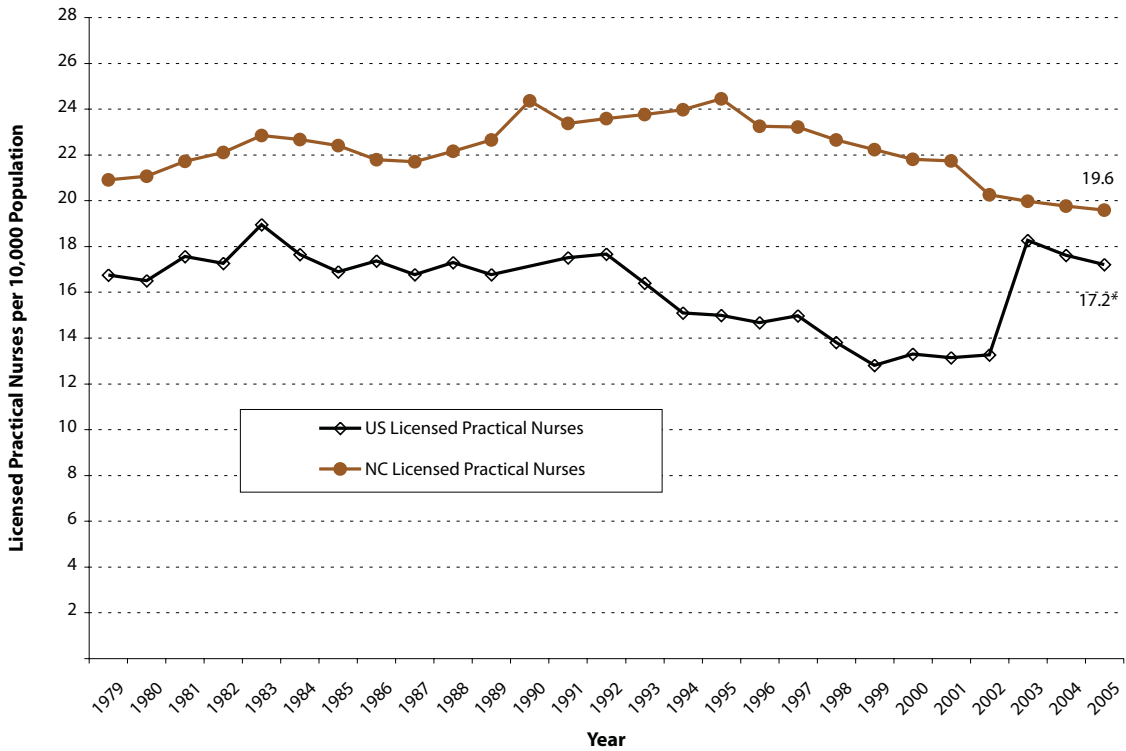
of counties increasing LPN supply, 2001-2005: 26

of counties decreasing LPN supply, 2001-2005: 74

of counties with no LPNs in 2005: 0

*Persistent Health Professional Shortage Area

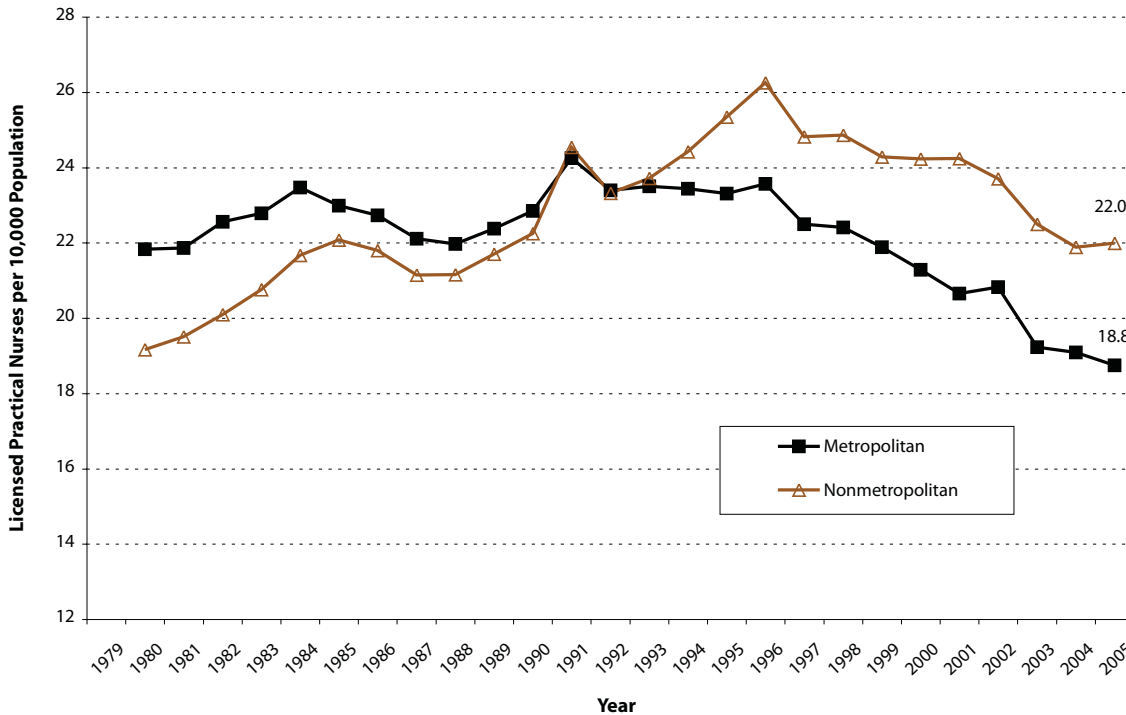
**Figure 46. Licensed Practical Nurses per 10,000 Population
United States and North Carolina
1979-2005**



Notes: Figures include all active, in-state LPNs. *The Bureau of Labor Statistics revised the occupational categories in 2003. The LPN category now includes "licensed vocational nurses," and may account for the large increase from 2002 to 2003.

Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Bureau of Health Professions, HRSA; U.S. Census Bureau, Statistical Abstract of the United States (various editions), Washington, DC, <http://www.census.gov/statab>.

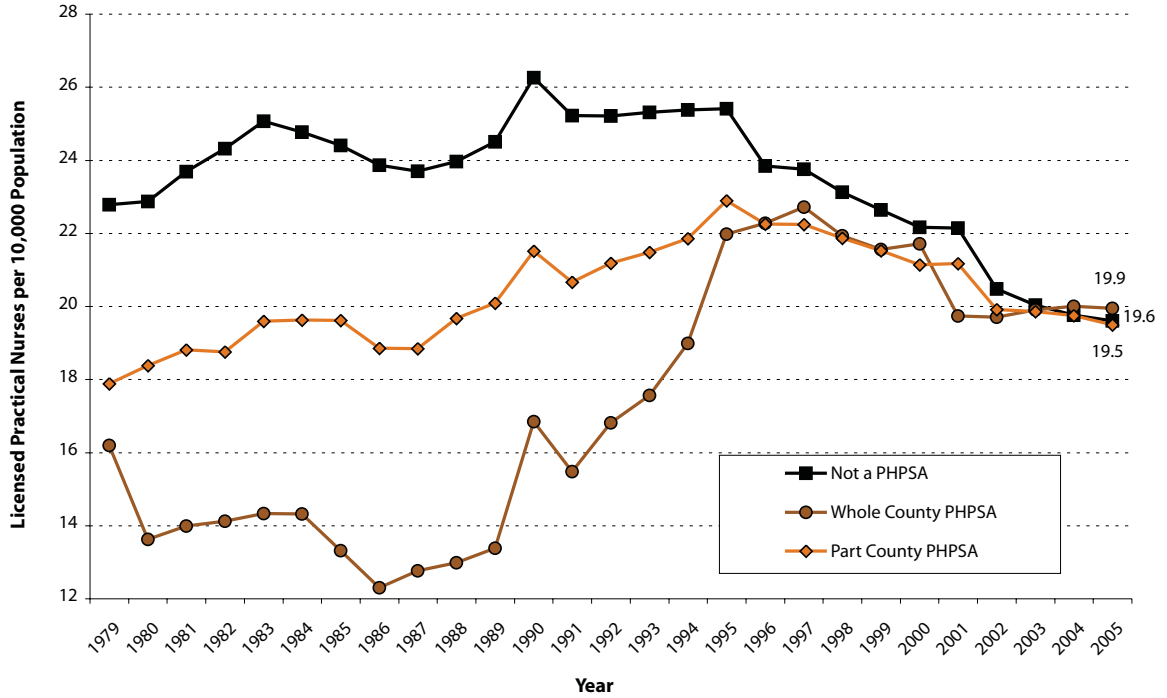
**Figure 47. Licensed Practical Nurses per 10,000 Population
Metropolitan and Nonmetropolitan Counties, North Carolina
1979-2005**



Notes: Figures include all active, in-state LPNs licensed as of October 31st of the respective year.

Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

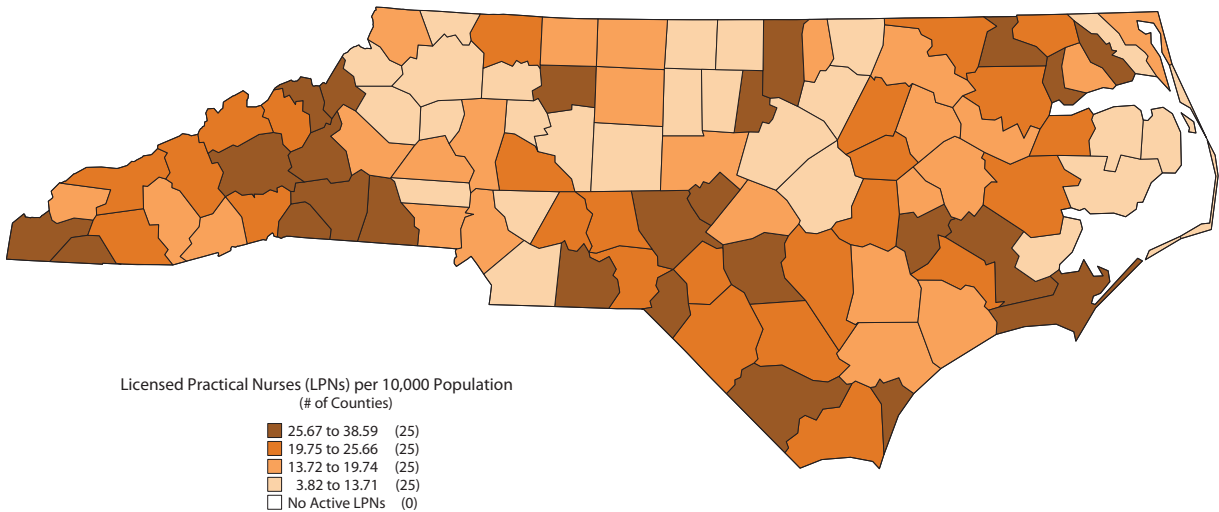
**Figure 48. Licensed Practical Nurses per 10,000 Population
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1979-2005**



Notes: Figures include all active, in-state LPNs licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.

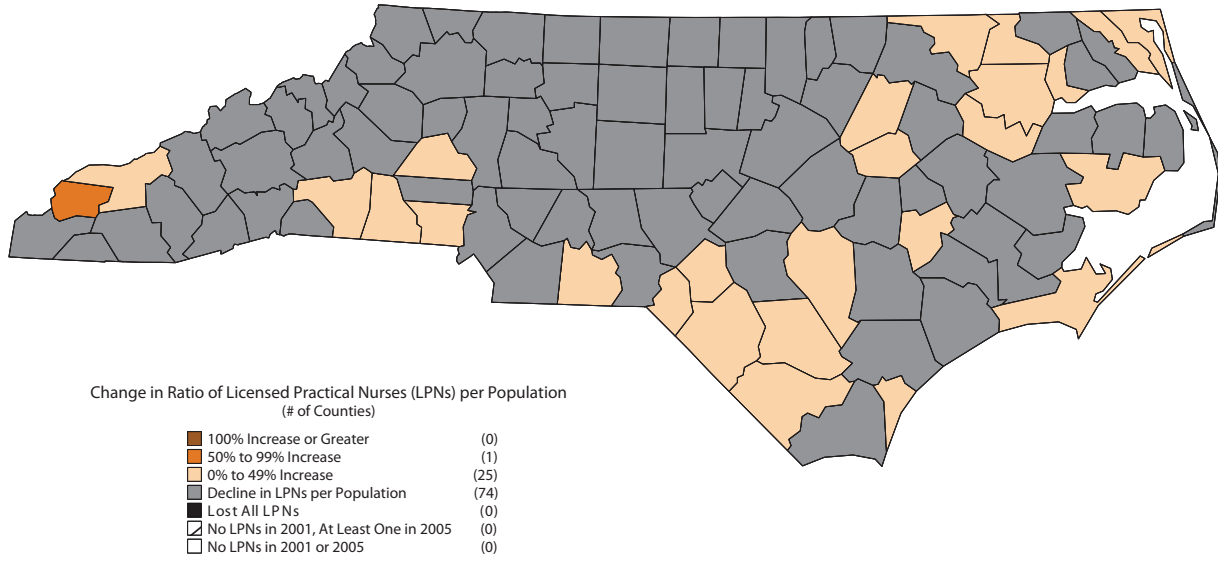
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006.

**Figure 49. Active Licensed Practical Nurses per 10,000 Population
North Carolina, 2005**



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Nursing; North Carolina State Data Center, Office of State Budget and Management.

Figure 50. Percent Change in Ratio of Active Licensed Practical Nurses per 10,000 Population from 2001 to 2005



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Nursing; North Carolina State Data Center, Office of State Budget and Management.

Dentists diagnose and treat problems affecting the teeth, gums, tongue, lip and jaws. They also monitor the oral health of their patients and provide screening and preventive services. Dentists must have three to four years of education at an approved liberal arts college before being eligible for admission into a four-year dentistry program at an accredited university or college. Two to five additional years of training are required for specialty practice, such as orthodontics or oral surgery. The state currently has one school of dentistry located at the University of North Carolina at Chapel Hill.

The number of dentists per population has increased slightly between 1979 and 2005 for both the U.S. and North Carolina, although the dentist to population ratios for NC are consistently about 30 percent below the U.S. ratios (Figure 51). In 2003 to 2005, the gap between the U.S. and North Carolina ratios decreased, due in part to the introduction of licensure by credential in North Carolina.

Dentists are concentrated in metropolitan counties in the state (Figure 52) and in non-PHPSA and part-PHPSA counties (Figure 53). In contrast, whole-county PHPSAs have consistently lagged behind both part and non-PHPSA counties with about half the number dentists per 10,000 people.

Four counties, including Camden, Gates, Hyde and Tyrell, had no active dentists in 2005 (Figure 54). Gates County lost its only active dentist between 2001-2005 (Figure 55), and Camden, Hyde and Tyrell haven't had an active dentist since 1989. However, between 2001-2005, 67 counties experienced an overall increase in the number of dentists per population.

Table 10: Summary Statistics for Dentists in North Carolina

Dentists per 10,000 Population		Total Active Dentists	
1979:	3.79	1979:	2,207
2001:	4.05	2001:	3,314
2005:	4.35	2005:	3,772

Number of Dentists per 10,000 Population in 2005

Metropolitan Areas:	4.93
Nonmetropolitan Areas:	3.06

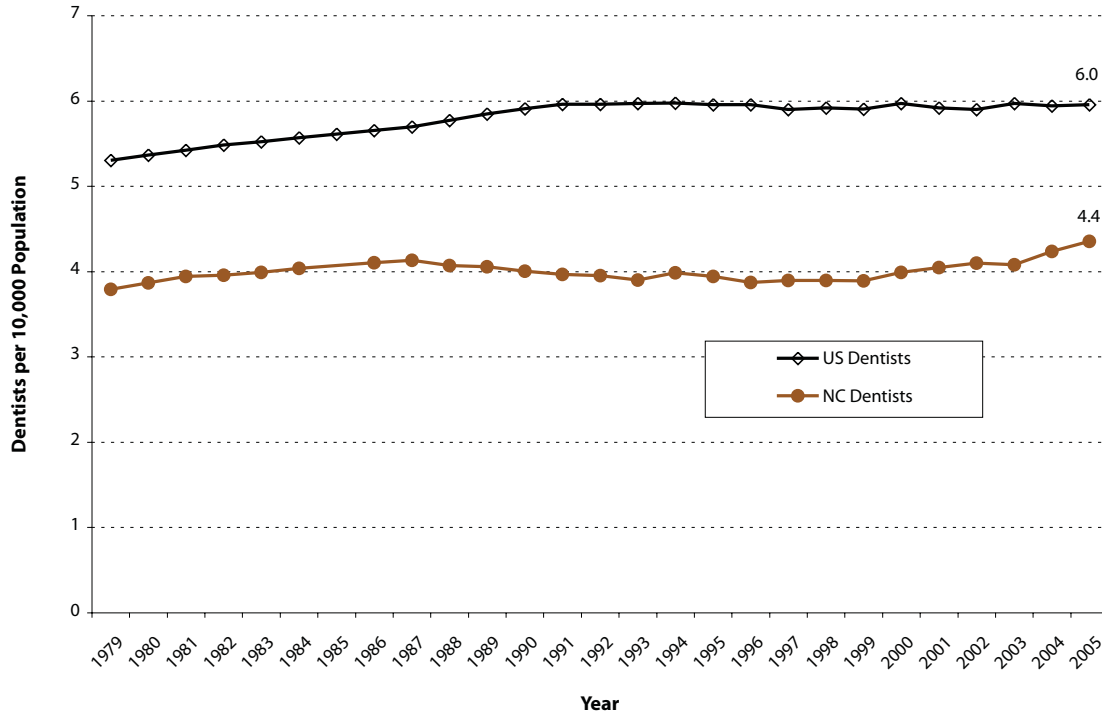
For the 11 counties designated as whole county PHPSAs*: 1.62
 For the 27 counties designated as part county PHPSAs*: 4.24
 For the 62 counties not designated as PHPSAs*: 4.55

County Level Data

- # of counties increasing dentist supply, 2001-2005: 67
- # of counties decreasing dentist supply, 2001-2005: 30
- # of counties with no dentists in 2005: 4

*Persistent Health Professional Shortage Area

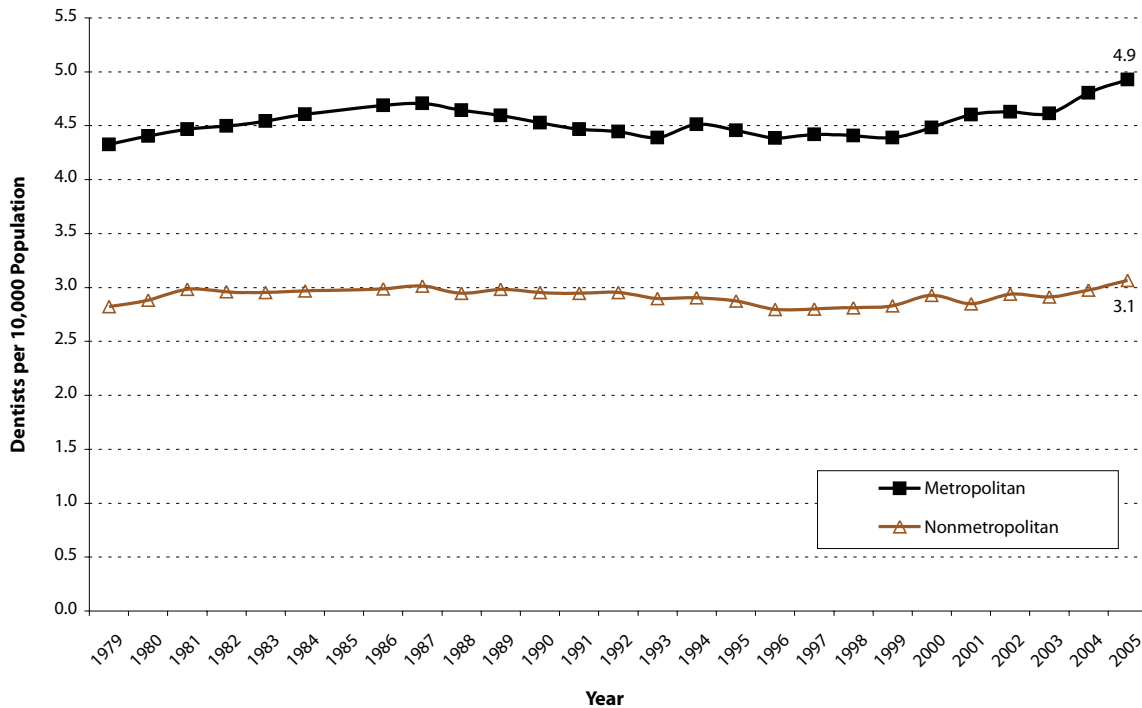
**Figure 51. Dentists per 10,000 Population
United States and North Carolina
1979-2005**



Notes: Figures include all active, instate dentists.

Sources: North Carolina Health Professions Data System, 1979-2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau; American Dental Association.

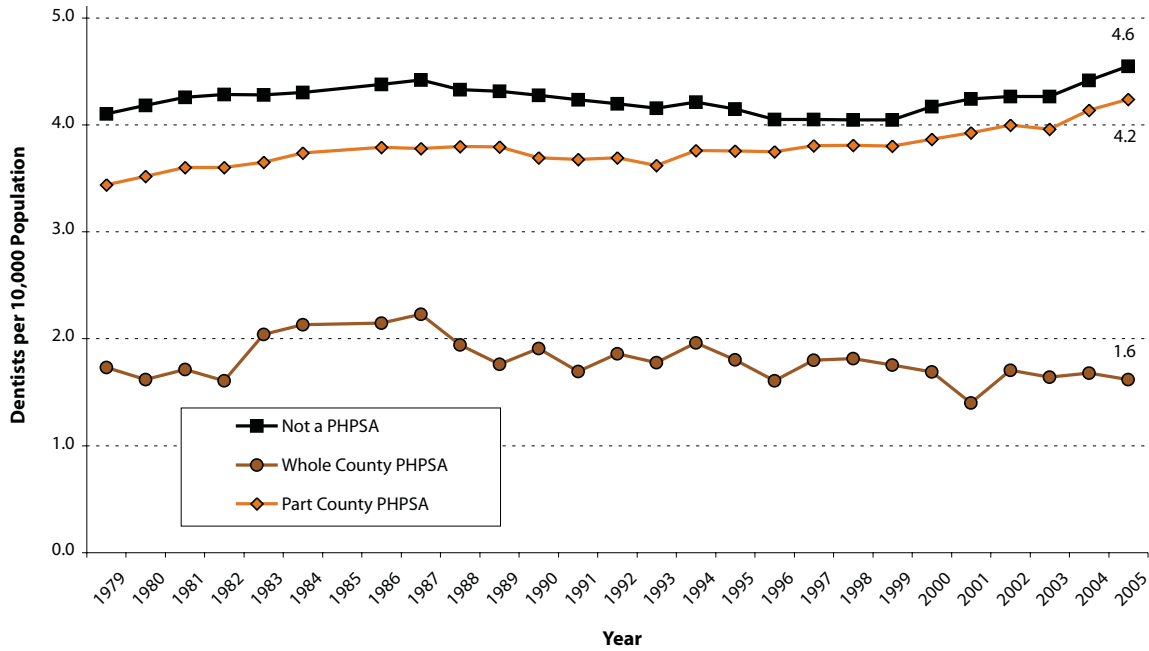
**Figure 52. Dentists per 10,000 Population
Metropolitan and Nonmetropolitan Counties, North Carolina
1979-2005**



Notes: Figures include all active, instate dentists licensed as of October 31st of the respective year.

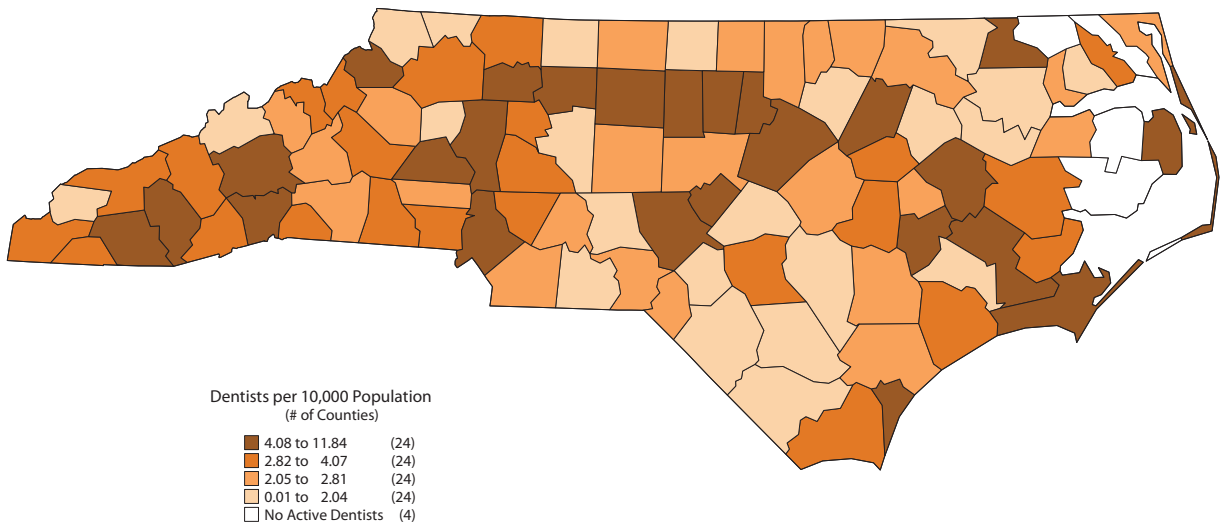
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

**Figure 53. Dentists per 10,000 Population
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1979-2005**



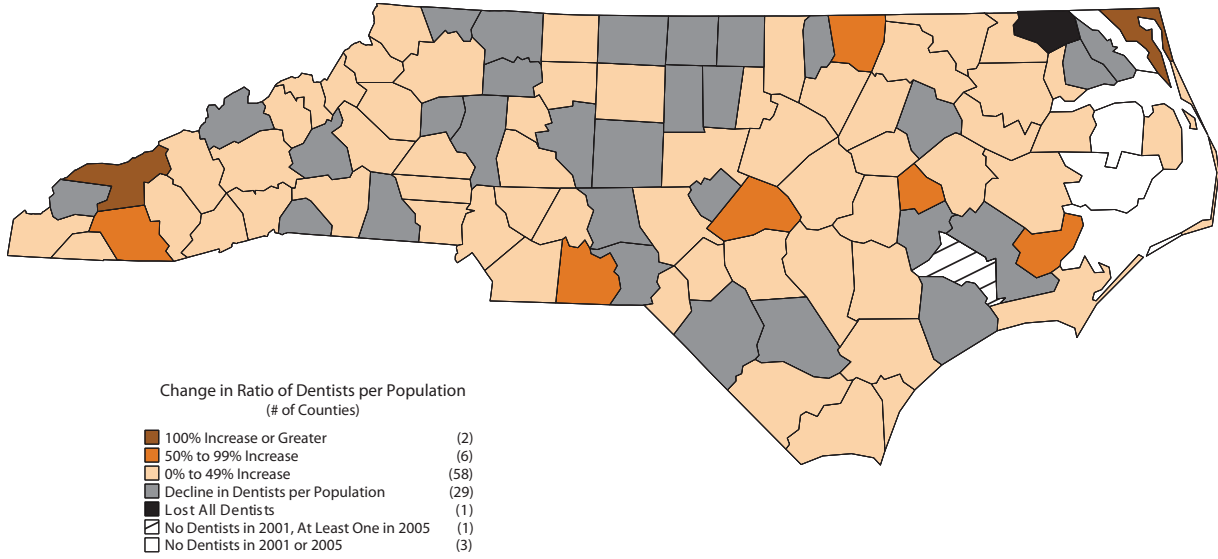
Notes: Figures include all active, in-state dentists licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006.

**Figure 54. Active Dentists per 10,000 Population
North Carolina, 2005**



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Dental Examiners; North Carolina State Data Center, Office of State Budget and Management.

Figure 55. Percent Change in Ratio of Active Dentists per 10,000 Population from 2001 to 2005



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Dental Examiners; North Carolina State Data Center, Office of State Budget and Management.

Dental Hygienists work under the direct supervision of dentists. A licensed dentist must be physically present in the same locale as the hygienist and must order or approve all procedures performed. Dental hygienists collect information for patient histories, examine teeth and gums, perform dental cleaning, and apply medicines to aid in stopping dental decay. Dental hygienists are eligible for licensure after graduating from a community college (two-year program) or from a three- or four-year university program. There are currently 13 associate degree programs, one certificate, one bachelor’s and one master’s program in dental hygiene offered in North Carolina.

With the exception of a dip in 1992, the number of dental hygienists per population has steadily increased in North Carolina and since the late-1980s, there have been more dental hygienists per person in NC than in the U.S. (Figure 56). Due to the fact that dental hygienists must practice with a supervising dentist, their geographic distribution is linked to that of dentists. Dental hygienists tend to practice in metropolitan areas (Figure 57) and in counties that are either not a PHPSA or are a part-county PHPSA (Figure 58).

Four counties (Bertie, Gates, Hyde, and Tyrell) had no active dental hygienists in 2005 (Figure 59). These same four counties also had no dental hygienists in 2001 (Figure 60). Between 2001 and 2005, 29 counties witnessed a decline in their provider-to-population ratios while on the other end of the spectrum, five counties, Caswell, Davie, Northampton, Pender and Washington, more than doubled the number of practicing dental hygienists per population.

Table 11: Summary Statistics for Dental Hygienists in North Carolina

Dental Hygienists per 10,000 Population		Total Active Dental Hygienists	
1979:	2.35	1979:	1,368
2001:	4.72	2001:	3,866
2005:	5.08	2005:	4,397

Number of Dental Hygienists per 10,000 Population in 2005

Metropolitan Areas:	5.48
Nonmetropolitan Areas:	4.17

For the 11 counties designated as whole county PHPSAs*: 2.56

For the 27 counties designated as part county PHPSAs*: 5.03

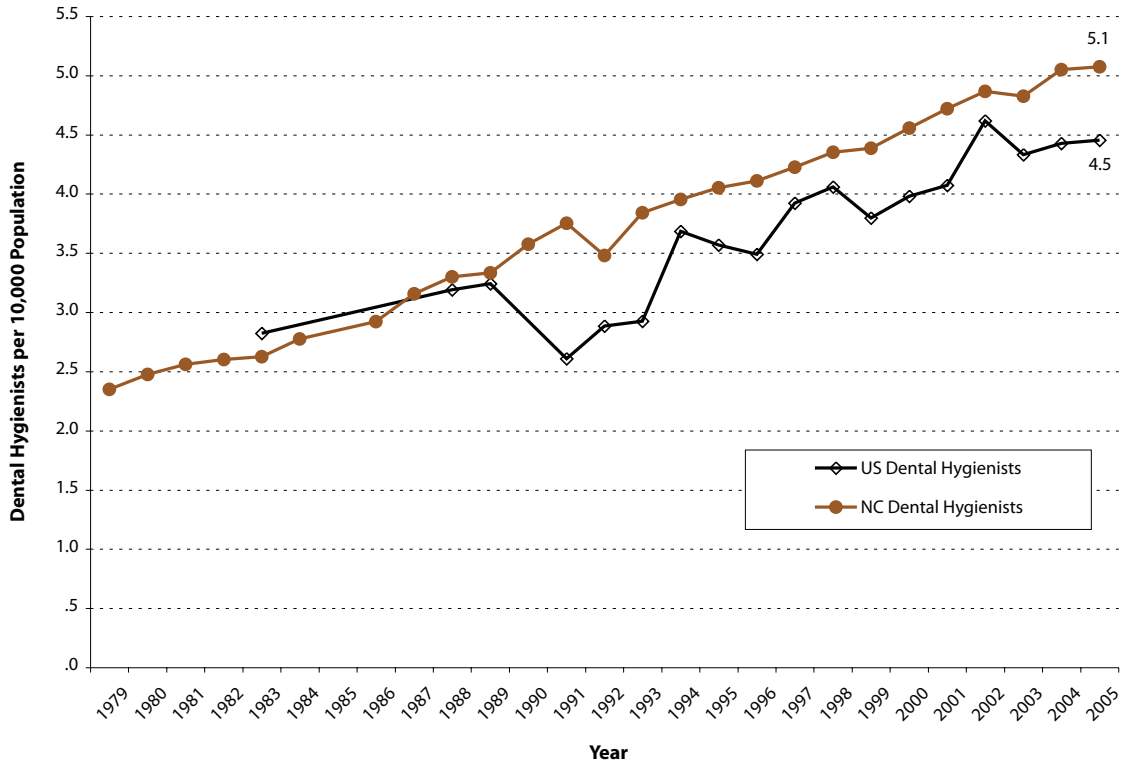
For the 62 counties not designated as PHPSAs*: 5.22

County Level Data

- # of counties increasing dental hygienist supply, 2001-2005: 67
- # of counties decreasing dental hygienist supply, 2001-2005: 29
- # of counties with no dental hygienists in 2005: 4

*Persistent Health Professional Shortage Area

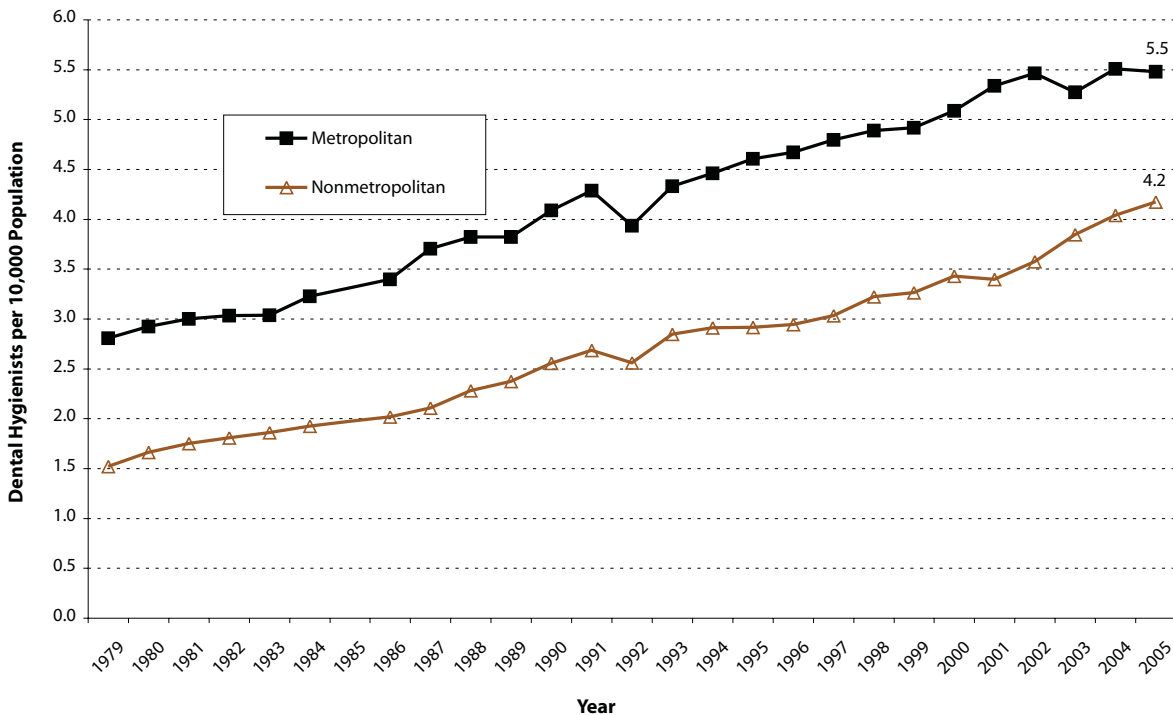
**Figure 56. Dental Hygienists per 10,000 Population
United States and North Carolina
1979-2005**



Note: Figures include all active, instate dental hygienists.

Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Bureau of Health Professions, HRSA, U.S. Census Bureau, Statistical Abstract of the United States (various editions), Washington, DC, <http://www.census.gov/statab>.

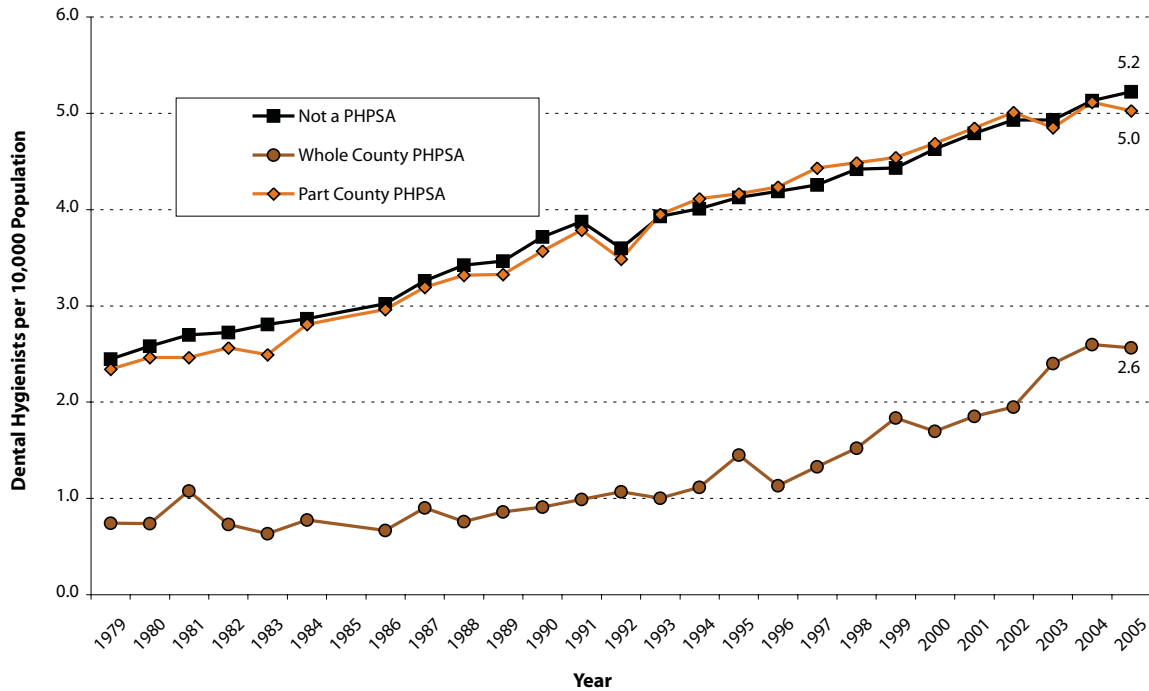
**Figure 57. Dental Hygienists per 10,000 Population
Metropolitan and Nonmetropolitan Counties, North Carolina
1979-2005**



Notes: Figures include all active, instate dental hygienists licensed as of October 31st of the respective year.

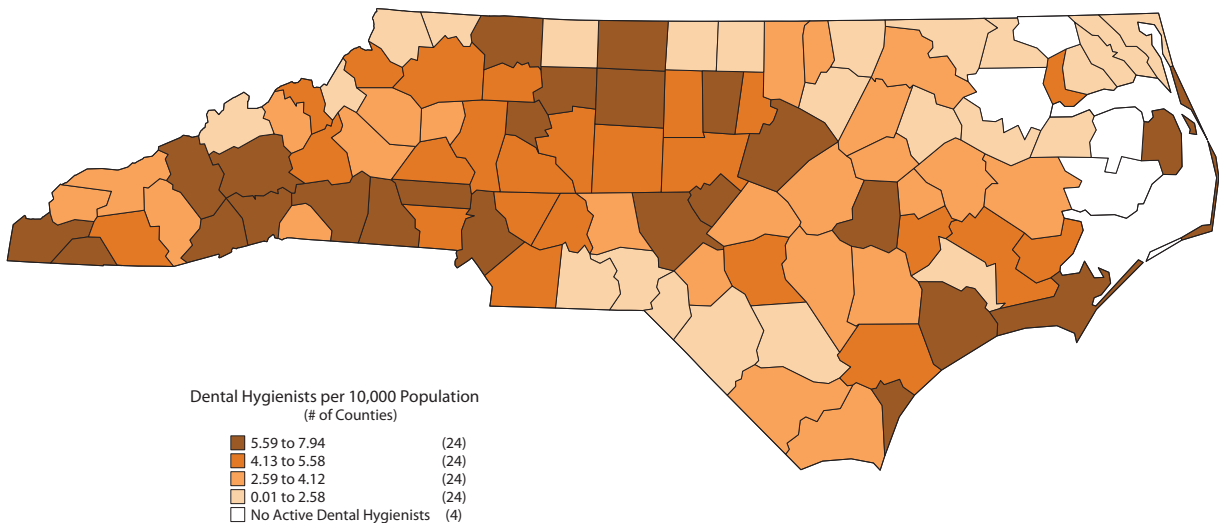
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

**Figure 58. Dental Hygienists per 10,000 Population
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1979-2005**



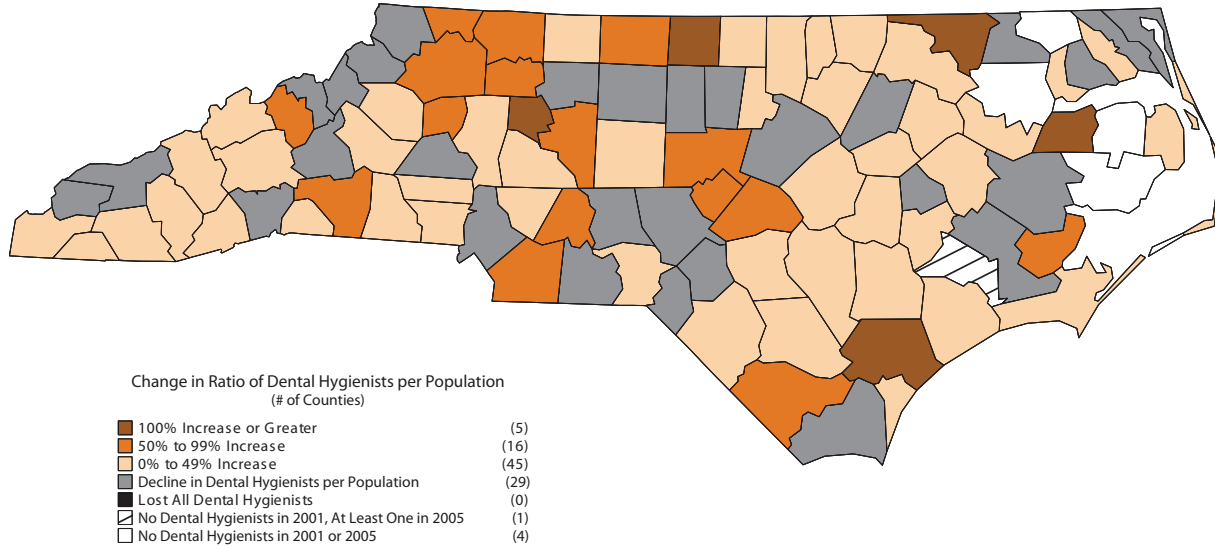
Notes: Figures include all active, in-state dental hygienists licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006.

**Figure 59. Active Dental Hygienists per 10,000 Population
North Carolina, 2005**



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Dental Examiners; North Carolina State Data Center, Office of State Budget and Management.

Figure 60. Percent Change in Ratio of Active Dental Hygienists per 10,000 Population from 2001 to 2005



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Dental Examiners; North Carolina State Data Center, Office of State Budget and Management.

Optometrists (Doctors of Optometry) are primary health care providers who diagnose, manage and treat conditions and diseases of the human eye. Optometrists may prescribe a wide range of treatments ranging from ophthalmic drugs, visual training, eyeglasses and contact lenses. Doctors of Optometry must complete a four-year accredited program at a college of optometry after graduating from an undergraduate program that included two years of pre-optometry study. There are no optometry schools in North Carolina.

The national supply of optometrists relative to the population has exceeded that of North Carolina since 1980, even as the supply of optometrists in the state grew much faster than the national supply from 1979 to 1989 (Figure 61). Since 1990, the supply of optometrists in North Carolina has been increasing at a slower rate and has fluctuated slightly since 1999. The national data from the Bureau of Labor Statistics from 2000-2005 were smoothed for 2004, as indicated by a dashed line in Figure 61. These figures should be treated with caution due to the large increase in practitioners per population compared to the trend in previous years

Unlike many other health professions, optometrists show a relatively even distribution between metropolitan and nonmetropolitan counties, with a slight separation developing in 2003 (Figure 62). With few exceptions, similar numbers of optometrists are more likely to practice in non- and part-county PHPSAs than whole-county PHPSAs and the ratios have increased slightly over time (Figure 63). The spike in whole-county PHPSAs in 1986 should also be interpreted with caution because the number of optometrists in North Carolina is relatively small and a difference of even one optometrist in a whole-county PHPSA could account for the large increase.

There were no optometrists in ten counties in the state in 2005 (Figure 64); most of the counties with no providers are clustered in the eastern and northeastern parts of the state. Eight of these counties also had no optometrists in 2001 (Figure 65). Fifty-five counties had a decline in optometrists per 10,000 population, including Graham and Tyrrell counties, which lost all active optometrists.

Table 12: Summary Statistics for Optometrists in North Carolina

Optometrists per 10,000 Population		Total Active Optometrists	
1979:	0.70	1979:	410
2001:	1.00	2001:	821
2005:	1.03	2005:	896

Number of Optometrists per 10,000 Population in 2005

Metropolitan Areas:	1.06
Nonmetropolitan Areas:	0.97

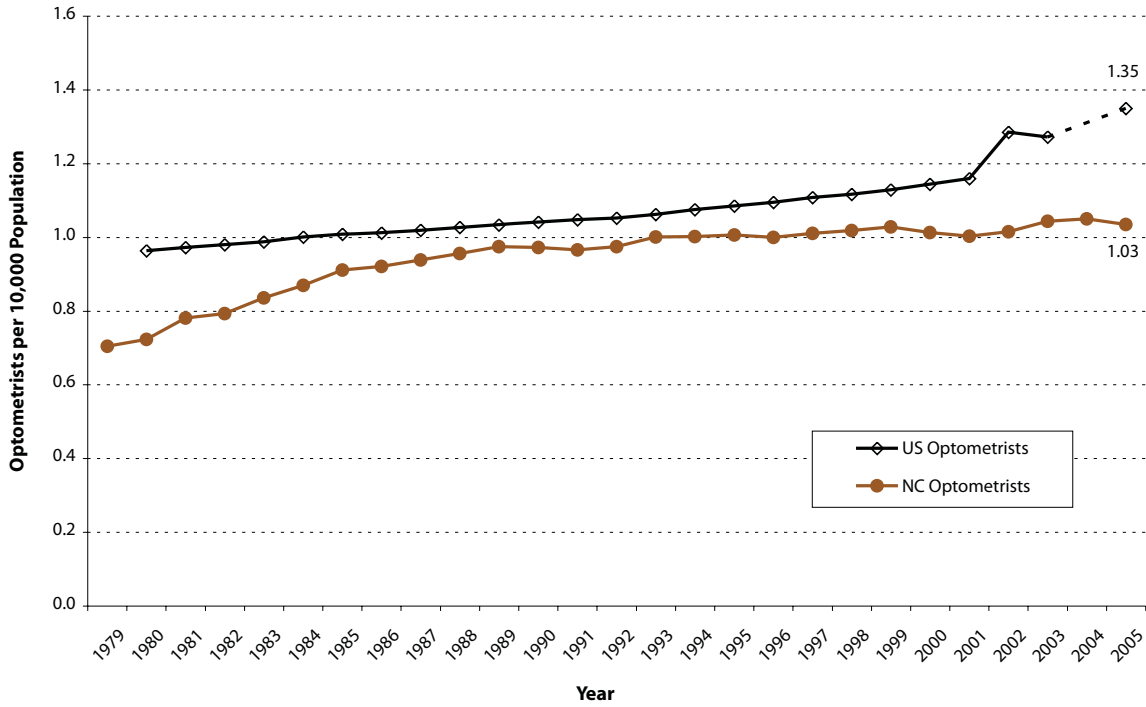
For the 11 counties designated as whole county PHPSAs*: 0.55
 For the 27 counties designated as part county PHPSAs*: 1.08
 For the 62 counties not designated as PHPSAs*: 1.03

County Level Data

- # of counties increasing optometrist supply, 2001-2005: 37
- # of counties decreasing optometrist supply, 2001-2005: 55
- # of counties with no optometrists in 2005: 10

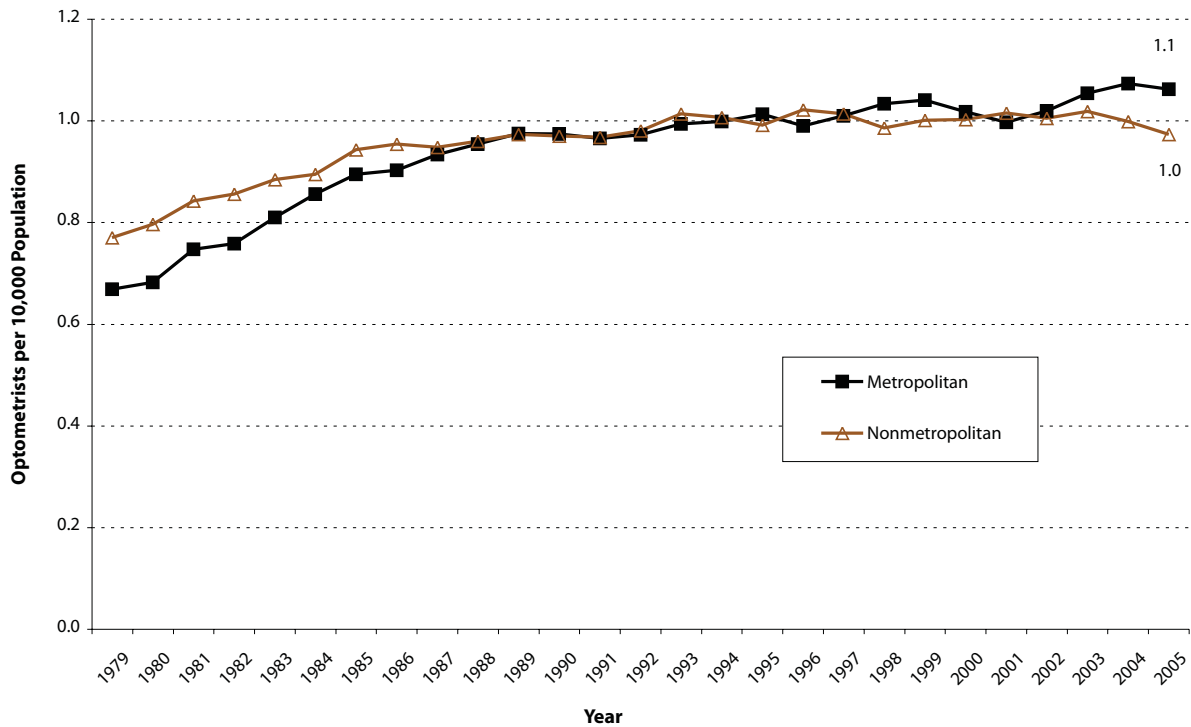
*Persistent Health Professional Shortage Area

**Figure 61. Optometrists per 10,000 Population
United States and North Carolina
1979-2005**



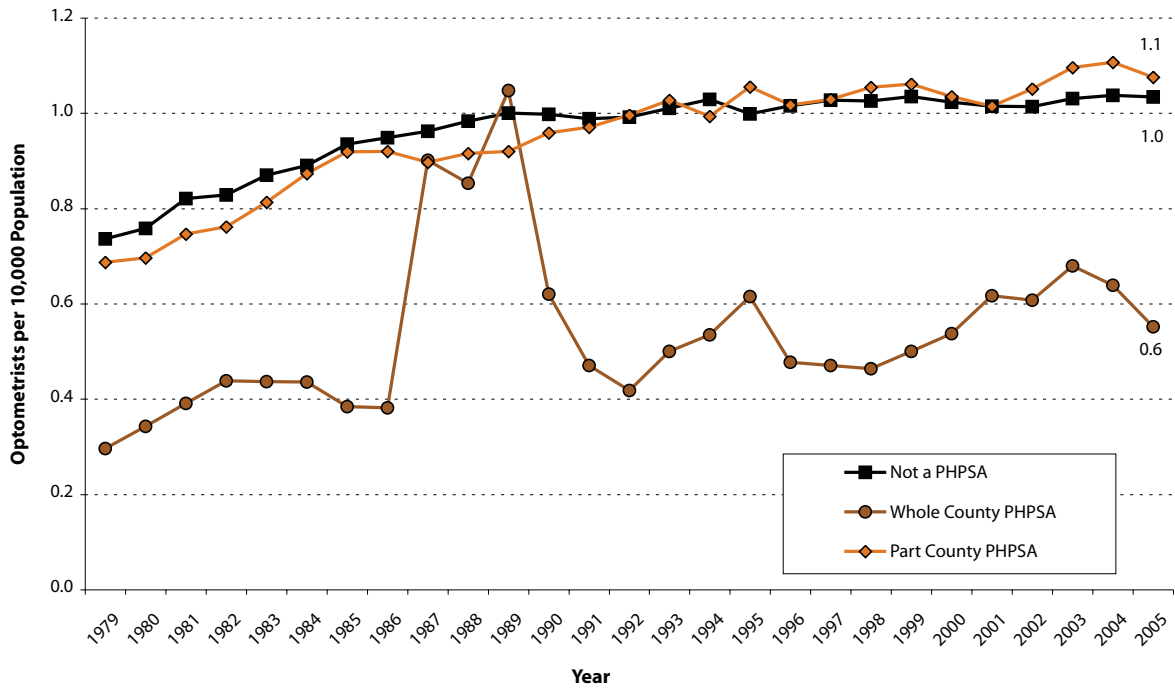
Notes: Figures include all active, instate optometrists. The dashed line from 2003 to 2005 indicates smoothing because of unreliable data.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; U.S. Census Bureau; Bureau of Health Professions, HRSA; U.S. Bureau of Labor Statistics.

**Figure 62. Optometrists per 10,000 Population
Metropolitan and Nonmetropolitan Counties, North Carolina
1979-2005**



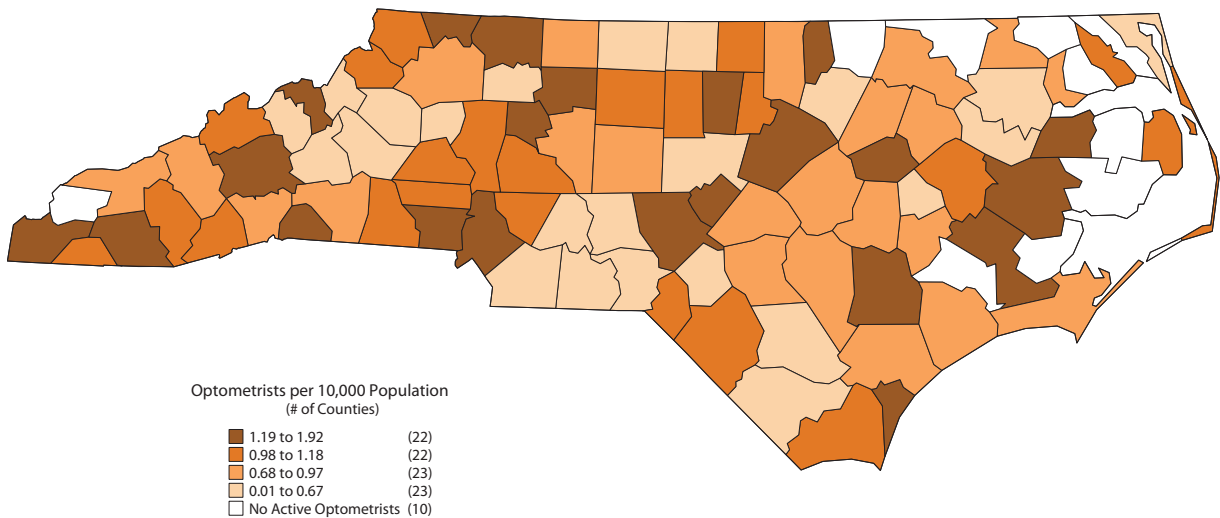
Notes: Figures include all active, instate optometrists licensed as of October 31st of the respective year.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

**Figure 63. Optometrists per 10,000 Population
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1979-2005**



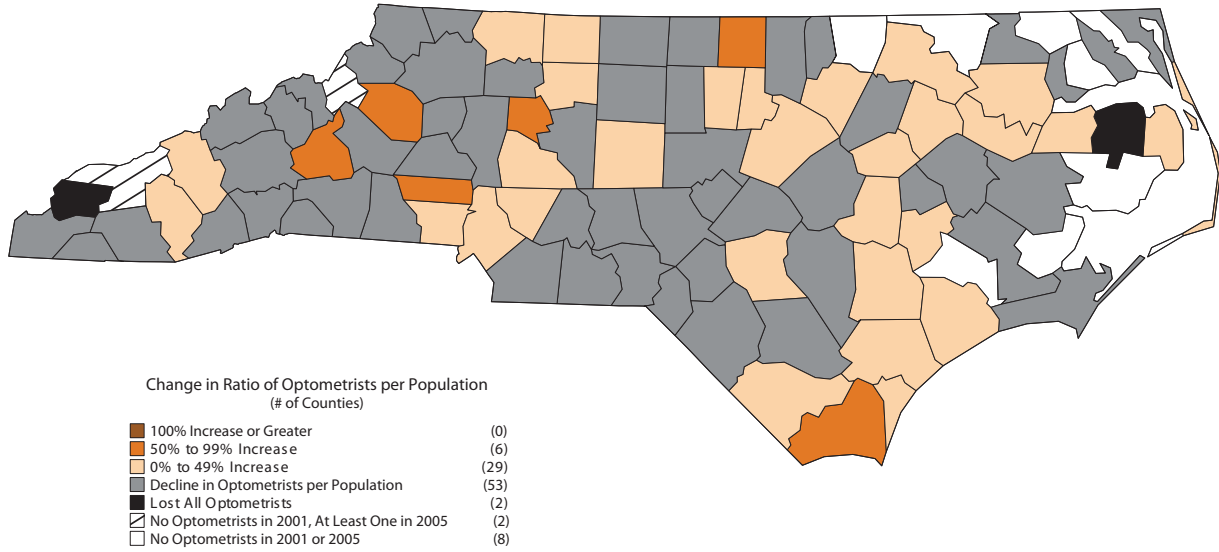
Notes: Figures include all active, instate optometrists licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006.

**Figure 64. Active Optometrists per 10,000 Population
North Carolina, 2005**



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Optometry; North Carolina State Data Center, Office of State Budget and Management.

Figure 65. Percent Change in Ratio of Active Optometrists per 10,000 Population from 2001 to 2005



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Optometry; North Carolina State Data Center, Office of State Budget and Management.

Pharmacists are experts in the medicines used to treat or prevent diseases or symptoms. They work with physicians, dentists and other health professionals who are authorized to write prescriptions. Pharmacists interpret and evaluate medication orders; compound, dispense and administer drugs; and advise health professionals and patients regarding the best use of medications for specific problems. Pharmacists also educate patients about medicines and help them make informed choices. To become licensed to practice pharmacy, an individual must graduate from a school or college of pharmacy that is accredited by the American Council on Pharmaceutical Education, complete an internship and pass an examination given by the State Board of Pharmacy. North Carolina has three Pharm.D. programs located at the University of North Carolina at Chapel Hill, Campbell University and Wingate University. UNC-Chapel Hill has recently partnered with Elizabeth City State University, and in 2005 the UNC-Chapel Hill/ECSU Doctor of Pharmacy Partnership Program was launched.

From 1983-1990 the state experienced a steady increase in the number of pharmacists but since that time the rate of growth has decreased. In 1987 the supply of pharmacists relative to the population in North Carolina overtook that of the U.S. The national supply of pharmacists per population increased sharply from 2000-2001 (Figure 66) and again between 2004-2005. While these increases in supply may reflect the fact that many new Pharm.D. programs opened during this period, changes in the national data sources used before and after 2000 may also account for the increase.

Pharmacists are more likely to practice in metropolitan areas and the supply of pharmacists has grown at a faster rate in the more urban counties than in nonmetropolitan ones (Figure 67). The supply of pharmacists in non-PHPSAs and part-county PHPSAs has grown steadily since 1979, while supply in whole-county PHPSAs has been relatively flat (Figure 68).

In 2005, Camden and Hyde were the only counties in North Carolina without a pharmacist (Figure 69). Forty-eight counties experienced a decline in the number of pharmacists relative to the population between 2001-2005 (Figure 70), and one county, Camden, lost its only pharmacist. Gates County was the only county to more than double the number of pharmacists relative to population.

Table 13: Summary Statistics for Pharmacists in North Carolina

Pharmacists per 10,000 Population		Total Active Pharmacists	
1979:	5.16	1979:	3,003
2001:	8.62	2001:	7,060
2005:	8.42	2005:	7,293

Number of Pharmacists per 10,000 Population in 2005

Metropolitan Areas:	9.19
Nonmetropolitan Areas:	6.68

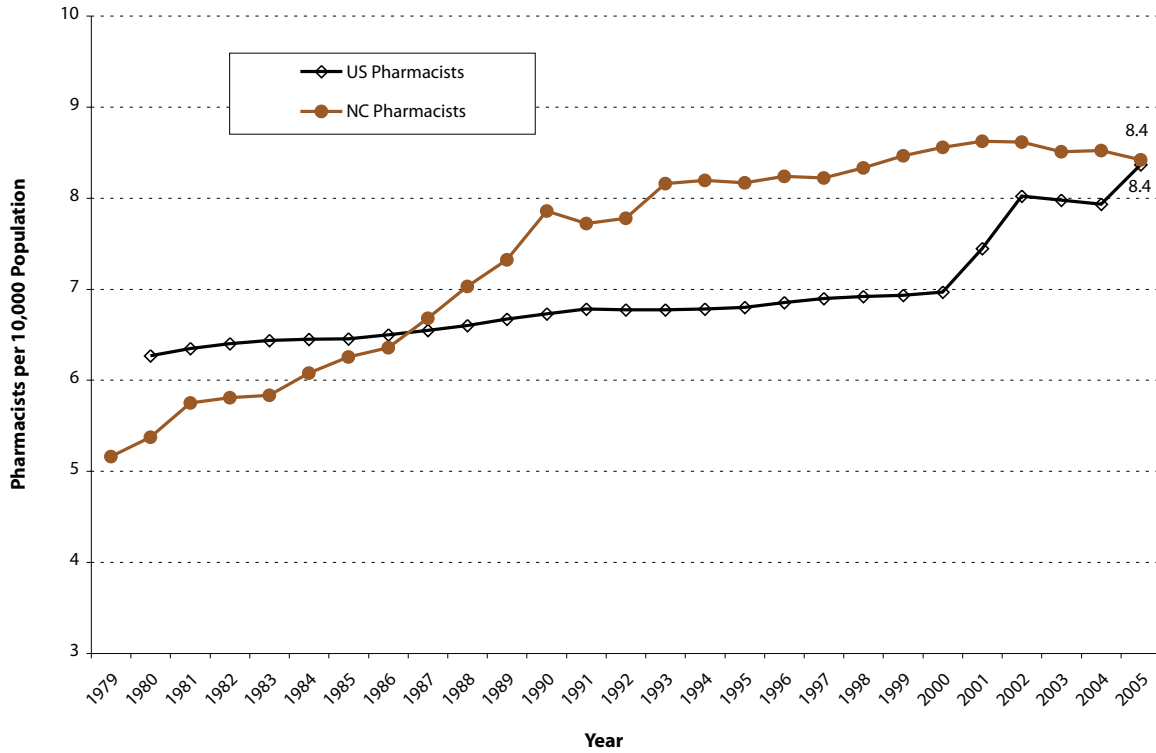
For the 11 counties designated as whole county PHPSAs*: 3.78
 For the 27 counties designated as part county PHPSAs*: 7.46
 For the 62 counties not designated as PHPSAs*: 9.16

County Level Data

of counties increasing pharmacist supply, 2001-2005: 50
 # of counties decreasing pharmacist supply, 2001-2005: 49
 # of counties with no pharmacists in 2005: 2

*Persistent Health Professional Shortage Area

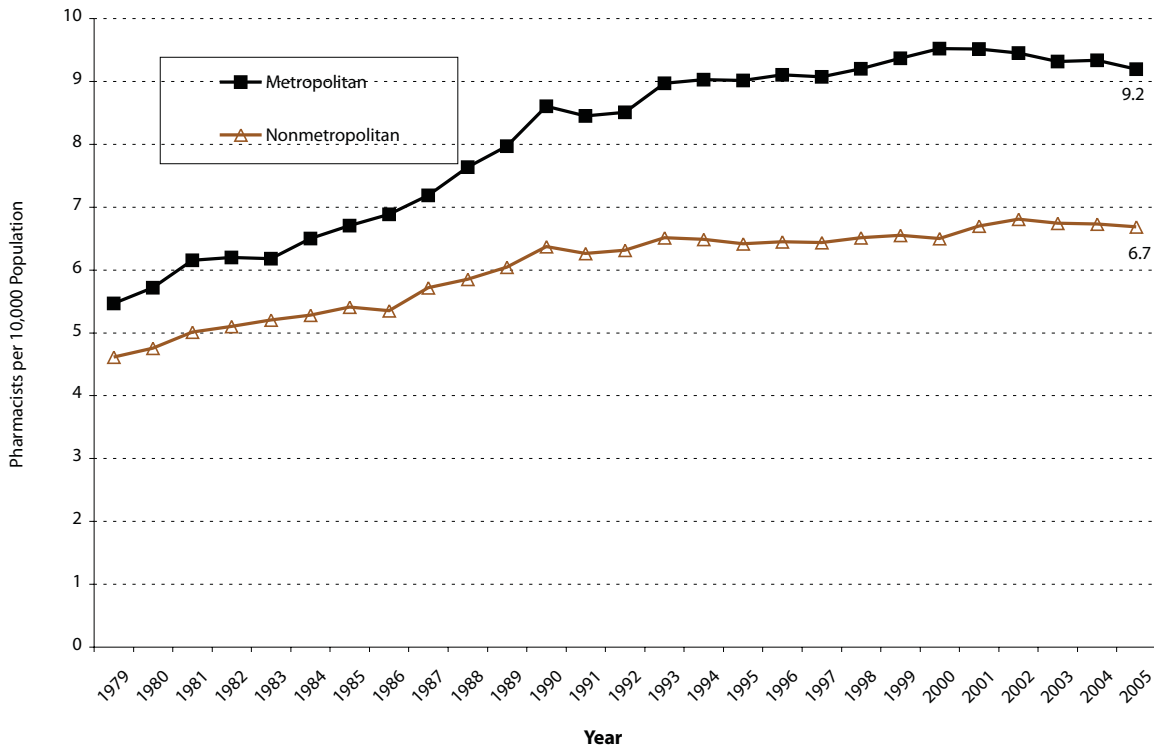
**Figure 66. Pharmacists per 10,000 Population
United States and North Carolina
1979-2005**



Notes: Figures include all active, instate pharmacists.

Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Bureau of Health Professions, HRSA, U.S. Census Bureau, Statistical Abstract of the United States (various editions), Washington, DC, <http://www.census.gov/statab>.

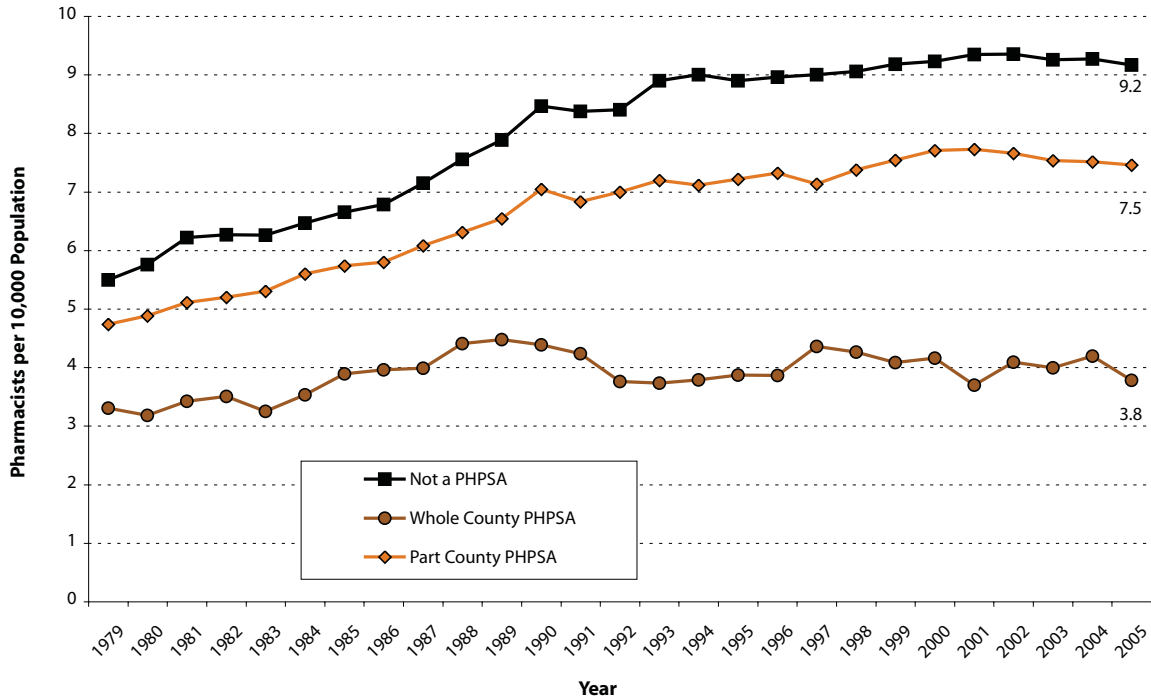
**Figure 67. Pharmacists per 10,000 Population
Metropolitan and Nonmetropolitan Counties, North Carolina
1979-2005**



Notes: Figures include all active, instate pharmacists licensed as of October 31st of the respective year.

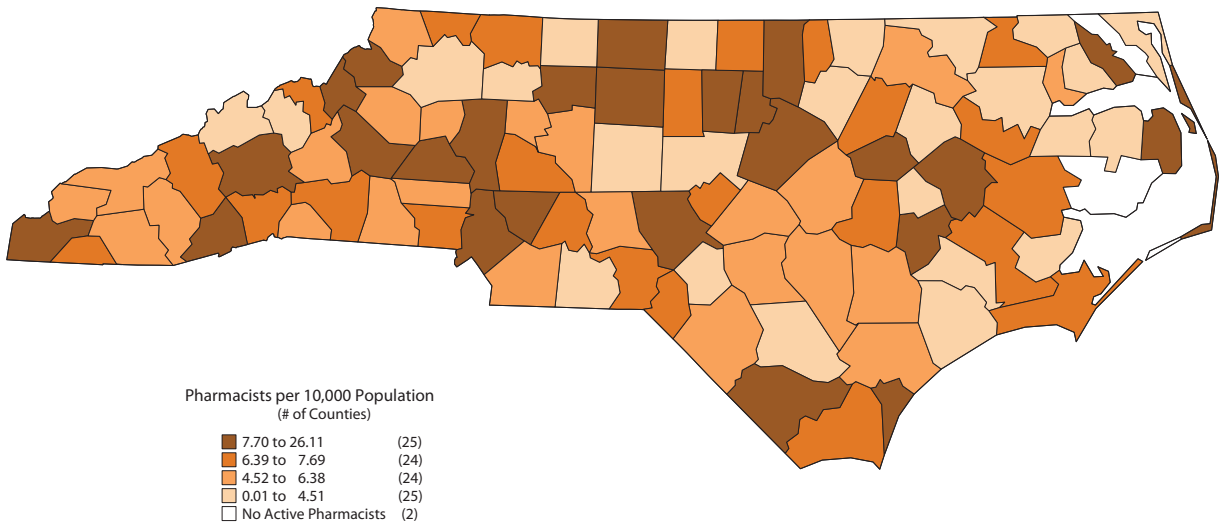
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

**Figure 68. Pharmacists per 10,000 Population
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1979-2005**



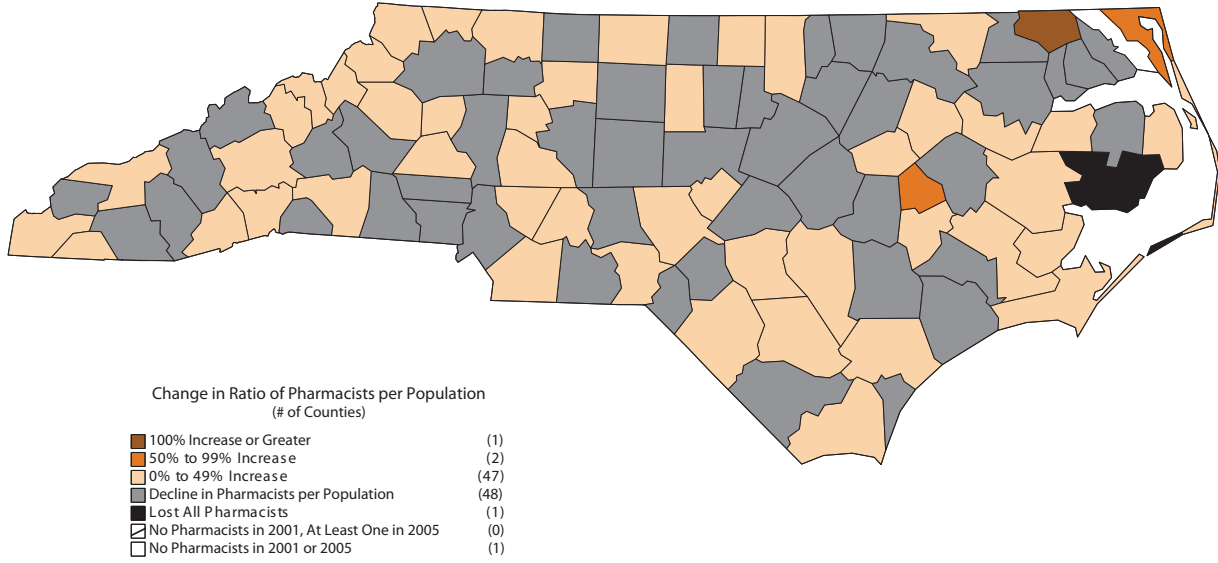
Notes: Figures include all active, instate pharmacists licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006.

**Figure 69. Active Pharmacists per 10,000 Population
North Carolina, 2005**



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Pharmacy; North Carolina State Data Center, Office of State Budget and Management.

Figure 70. Percent Change in Ratio of Active Pharmacists per 10,000 Population from 2001 to 2005



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Pharmacy; North Carolina State Data Center, Office of State Budget and Management.

Physical Therapists (PTs) help patients who are disabled by illness or an accident or who were born with a development disability. Physical therapists plan and carry out programs to help these individuals gain strength, flexibility, endurance, coordination and overall physical functioning. They also provide programs to lessen pain and to prevent injury. Currently licensed physical therapists can have a clinical entry-level degree at the bachelor's, master's or doctoral level. There are six accredited physical therapy educational programs in the state.

North Carolina shows a steady increase in the ratio of PTs per 10,000 population but has remained below the nation for the entire time period (Figure 71). Physical therapists tend to practice in metropolitan areas of the state (Figure 72). Despite recent gains in the supply of PTs in whole-county PHSAs, part-county and non-PHSA counties have had, on average since 1979, three to four times the numbers of physical therapists per 10,000 people than whole-county PHSAs (Figure 73).

There is a large concentration of PTs per population in the counties in southwestern North Carolina, several counties along the I-40 corridor, and a few counties in the eastern part of the state (Figure 74). Four counties, Camden, Gates, Perquimans and Tyrell, had no PTs in 2005. Fifty-seven counties increased their supply of PTs relative to population, including two, Anson and Greene, that had no active PTs in 2001. Gates County lost its only PT by 2005 (Figure 75).

Table 15: Summary Statistics for Physical Therapists in North Carolina

PTs per 10,000 Population		Total Active PTs	
1979:	1.16	1979:	677
2001:	3.87	2001:	3,168
2005:	4.33	2005:	3,749

Number of Physical Therapists per 10,000 Population in 2005

Metropolitan Areas:	4.96
Nonmetropolitan Areas:	2.91

For the 11 counties designated as whole county PHSAs*: 1.69

For the 27 counties designated as part county PHSAs*: 3.93

For the 62 counties not designated as PHSAs*: 4.67

County Level Data

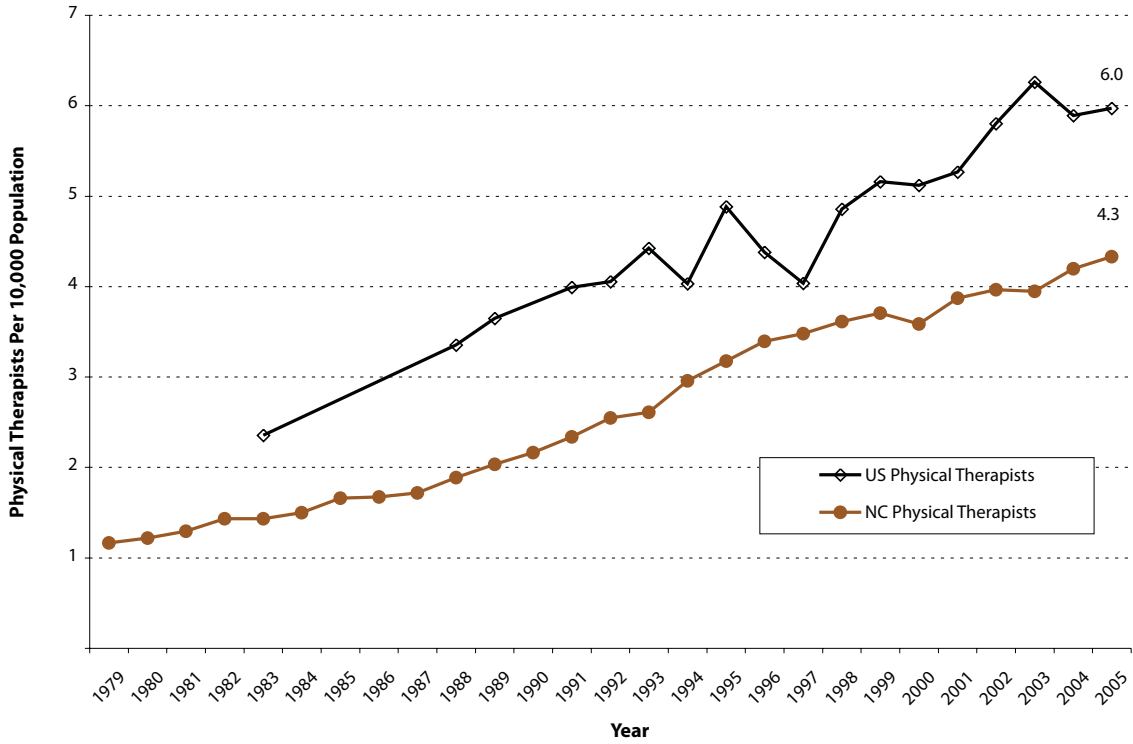
of counties increasing PT supply, 2001-2005: 57

of counties decreasing PT supply, 2001-2005: 40

of counties with no PTs in 2005: 4

*Persistent Health Professional Shortage Area

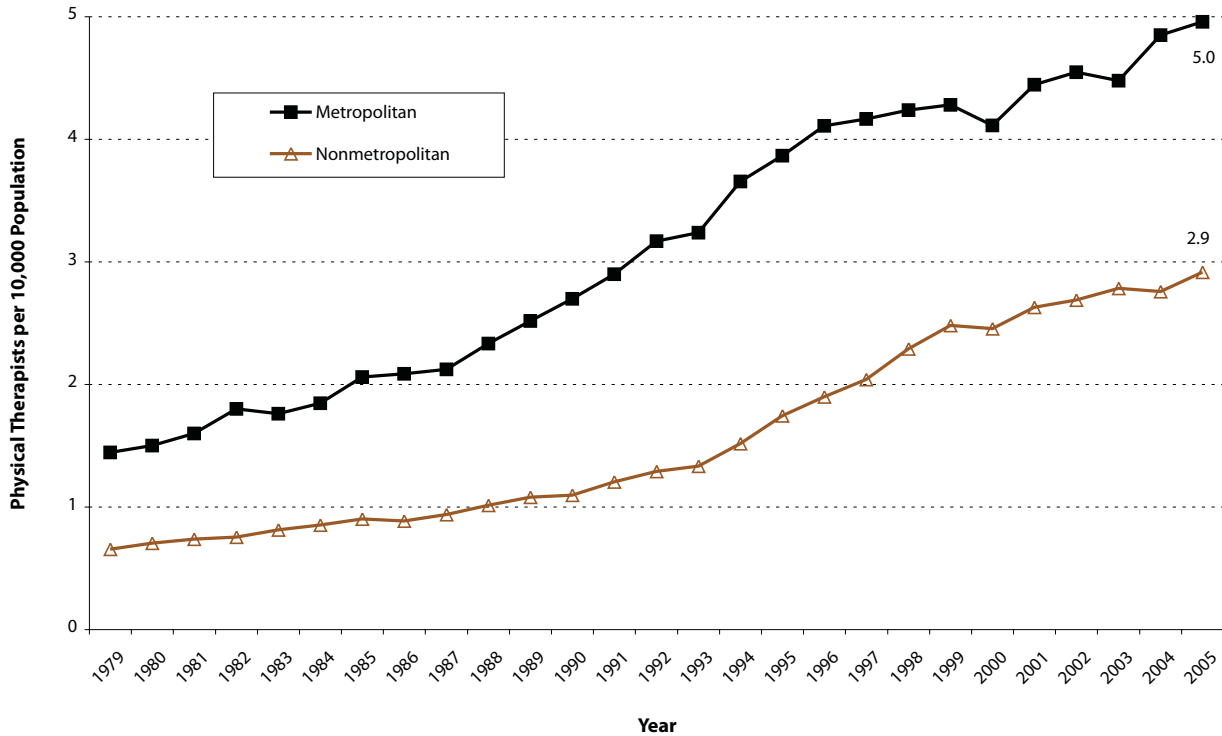
**Figure 71. Physical Therapists per 10,000 Population
United States and North Carolina
1979-2005**



Notes: Figures include all active, instate PTs.

Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Bureau of Health Professions, HRSA, U.S. Census Bureau, Statistical Abstract of the United States (various editions), Washington, DC, <http://www.census.gov/statab>.

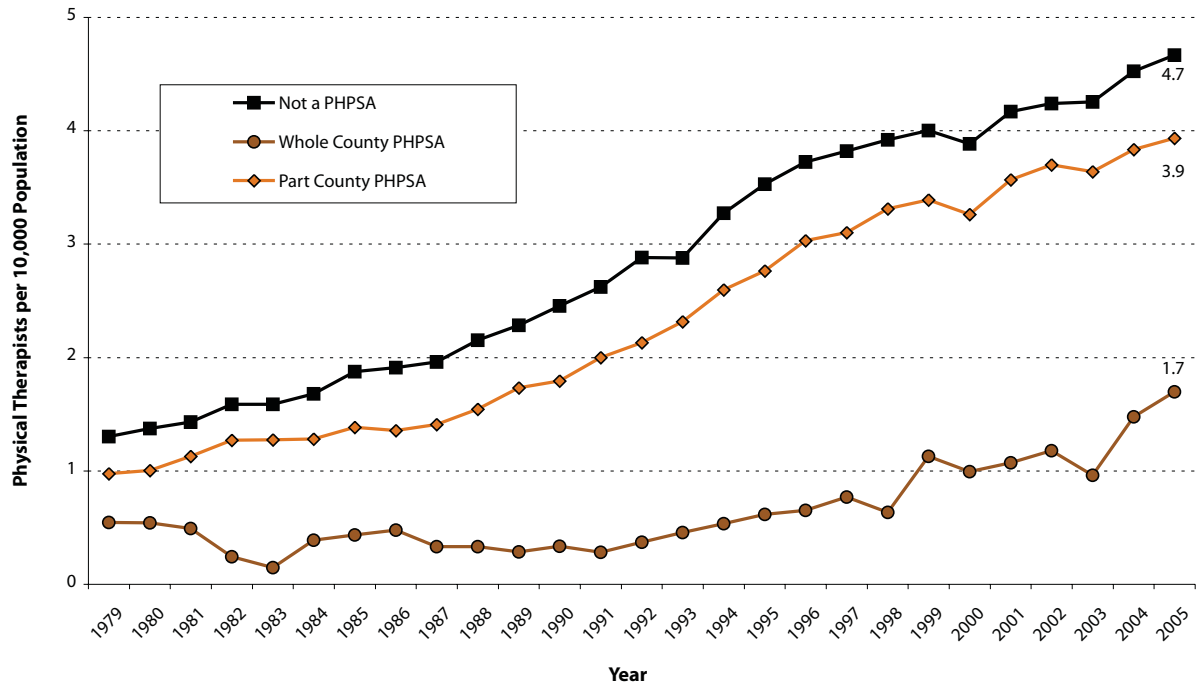
**Figure 72. Physical Therapists per 10,000 Population
Metropolitan and Nonmetropolitan Counties, North Carolina
1979-2005**



Notes: Figures include all active, instate PTs licensed as of October 31st of the respective year.

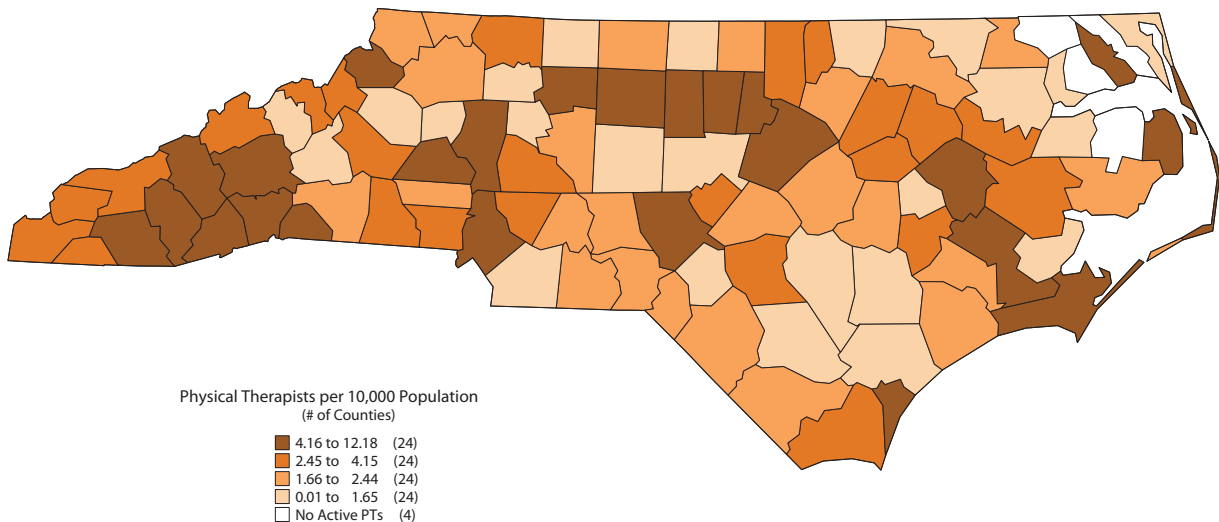
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

**Figure 73. Physical Therapists per 10,000 Population
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1979-2005**



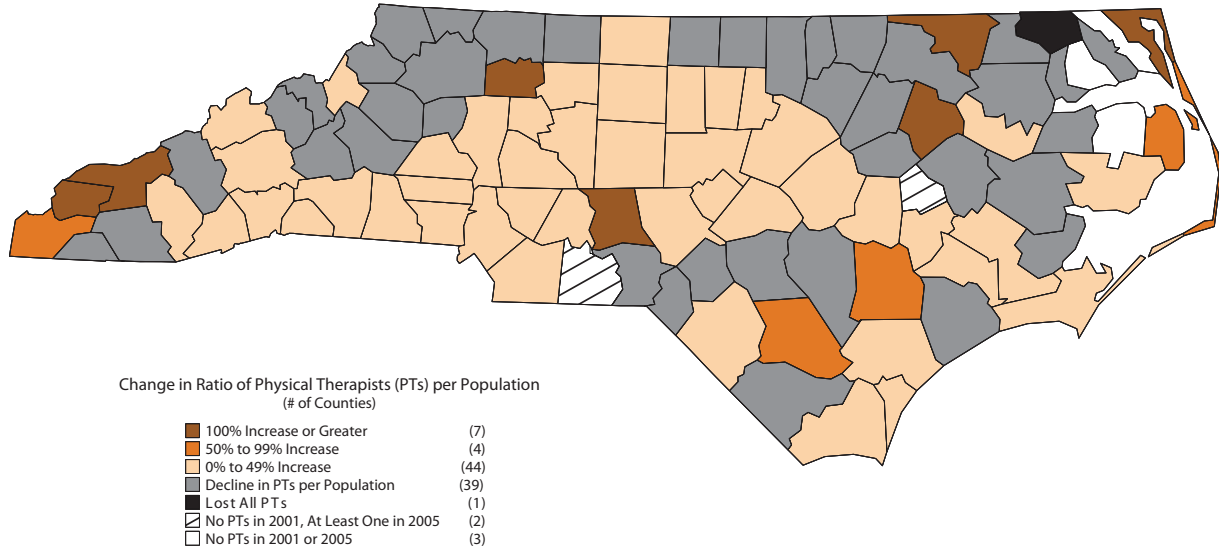
Notes: Figures include all active, in-state PTs licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006.

**Figure 74. Active Physical Therapists per 10,000 Population
North Carolina, 2005**



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Physical Therapy Examiners; North Carolina State Data Center, Office of State Budget and Management.

Figure 75. Percent Change in Ratio of Active Physical Therapists per 10,000 Population from 2001 to 2005



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Physical Therapy Examiners; North Carolina State Data Center, Office of State Budget and Management.

Physical Therapist Assistants (PTAs) are skilled technical workers who work under the direction of physical therapists to carry out treatments for patients who have physical impairments from disease or injury. Physical therapist assistants must have a high school diploma and complete a two-year associate degree program. Seven community colleges in North Carolina offer a physical therapist assistant program.

National data on the supply of PTAs are not available prior to 2000, but Bureau of Labor Statistics data released for 2000-2004 show that North Carolina's supply is slightly ahead of or equal to the nation (Figure 76). The number of PTAs per 10,000 population in North Carolina has increased steadily since 1979, with a period of more rapid growth between 1993-1997. Traditionally, PTAs, like physical therapists, have worked in greater numbers in the state's metropolitan areas; however, since 1997, the PTA-to-population ratio in nonmetropolitan areas has exceeded that of metropolitan areas (Figure 77).

The ratio of PTA-to-population is highest in part-county PHSAs; these areas experienced rapid growth rates in the supply of PTAs from the late 1980s until 1999. In whole-county PHSAs, the ratio of PTAs per population increased sharply from 1993-1998 and again from 2001-2004. Whole-county PHSAs historically lagged behind part-county and non-PHSAs in the supply of PTAs per population, but the supply spiked in 2004, and in 2005 the ratio of PTAs per 10,000 population was the same in whole-county and non-PHSAs (Figure 78).

In 2005, there were three counties, Camden, Clay and Tyrrell, that had no providers (Figure 79). Counties in the western and eastern parts of the state have the highest number of PTAs relative to population. Two counties, Northampton and Washington, had no providers in 2001 but had gained one or more physical therapist assistants by 2005 (Figure 80). Seven counties more than doubled their number of PTAs per person during the same period, while two counties, Tyrrell and Camden, lost all active PTAs.

Table 14: Summary Statistics for Physical Therapist Assistants in North Carolina

PTAs per 10,000 Population		Total Active PTAs	
1979:	0.36	1979:	208
2001:	1.95	2001:	1,594
2005:	2.15	2005:	1,859

Number of Physical Therapist Assistants per 10,000 Population in 2005

Metropolitan Areas:	2.04
Nonmetropolitan Areas:	2.37

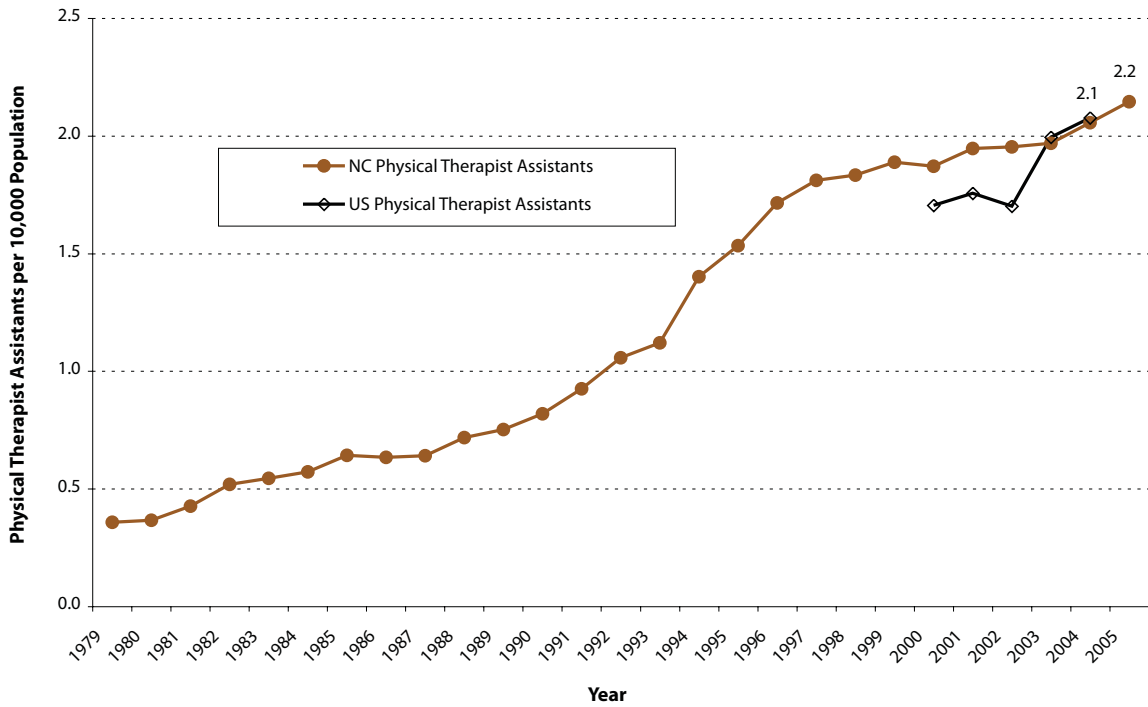
For the 11 counties designated as whole county PHSAs*: 2.09
 For the 27 counties designated as part county PHSAs*: 2.29
 For the 62 counties not designated as PHSAs*: 2.07

County Level Data

of counties increasing PTA supply, 2001-2005: 54
 # of counties decreasing PTA supply, 2001-2005: 46
 # of counties with no PTAs in 2005: 3

*Persistent Health Professional Shortage Area

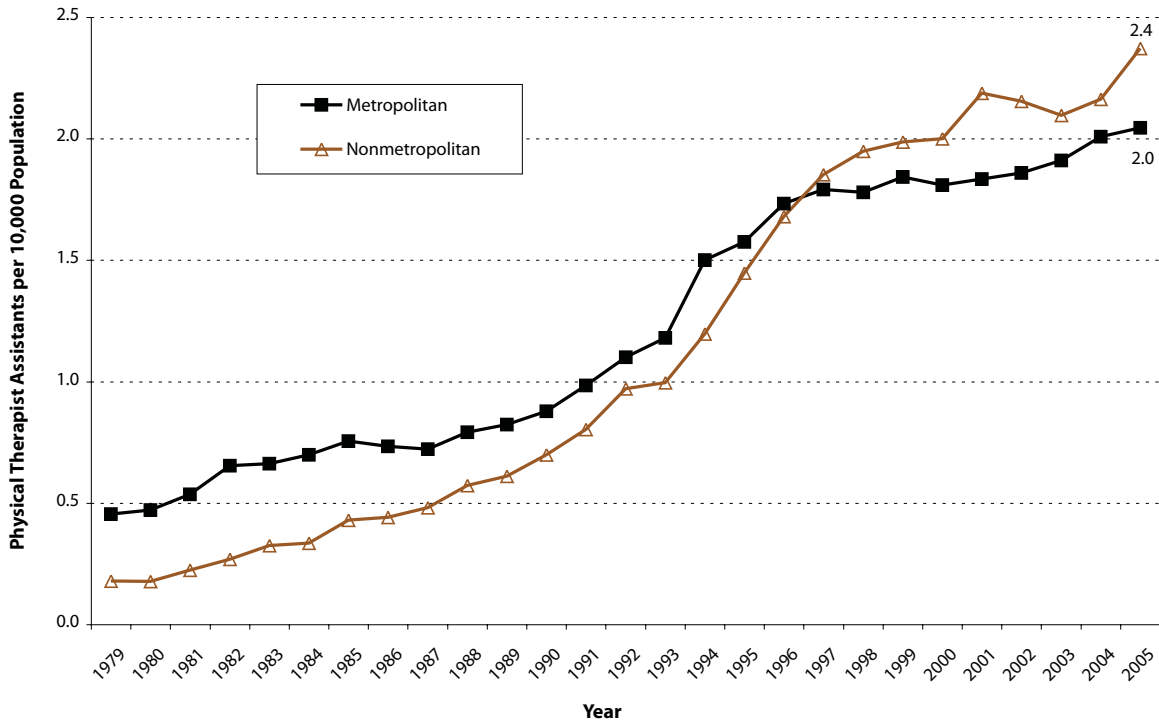
**Figure 76. Physical Therapist Assistants per 10,000 Population
United States and North Carolina
1979-2005**



Notes: Figures include all active, instate PTAs. National data are not available prior to 2000.

Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; U.S. Census Bureau; Bureau of Health Professions, HRSA; U.S. Bureau of Labor Statistics.

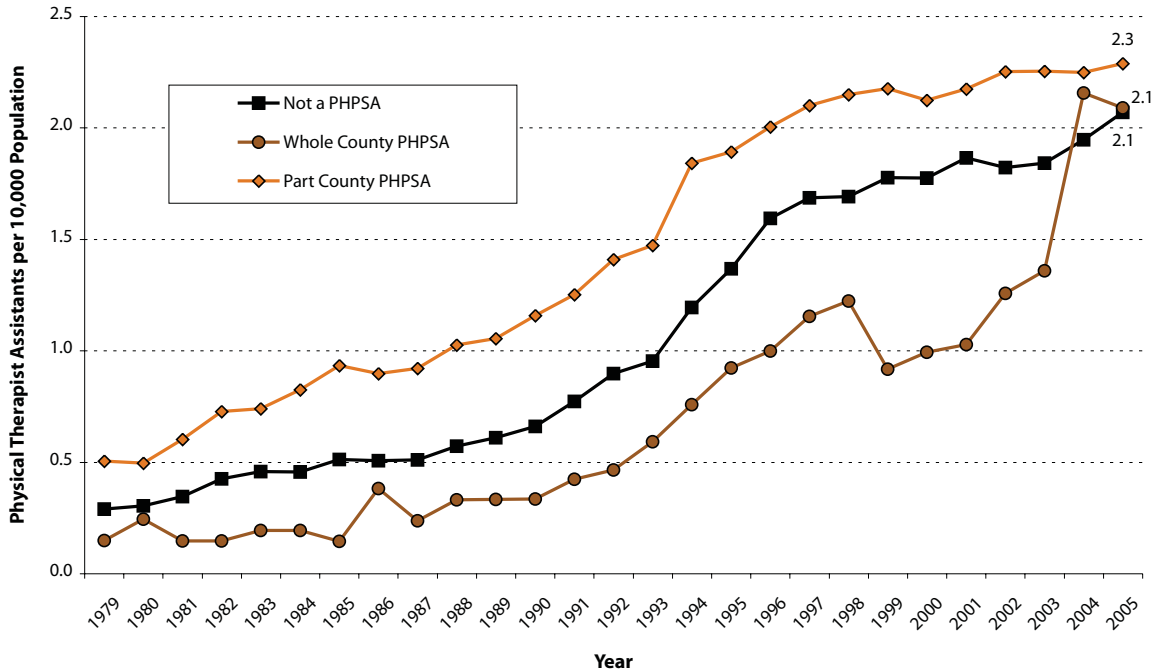
**Figure 77. Physical Therapist Assistants per 10,000 Population
Metropolitan and Nonmetropolitan Counties, North Carolina
1979-2005**



Notes: Figures include all active, instate PTAs licensed as of October 31st of the respective year.

Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

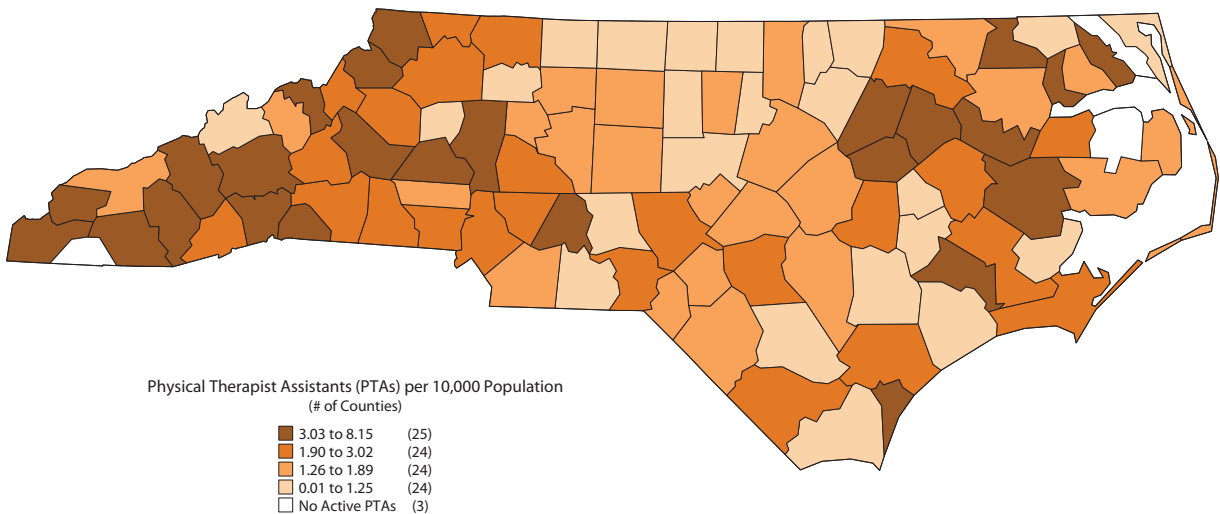
**Figure 78. Physical Therapist Assistants per 10,000 Population
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1979-2005**



Notes: Figures include all active, in-state PTAs licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.

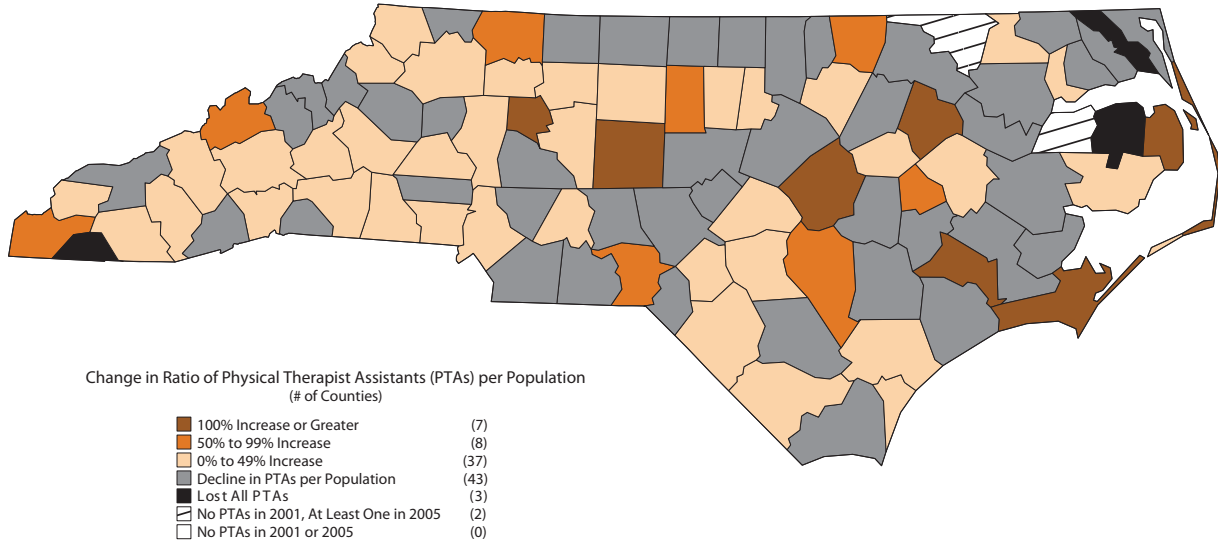
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006.

**Figure 79. Active Physical Therapist Assistants per 10,000 Population
North Carolina, 2005**



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Physical Therapy Examiners; North Carolina State Data Center, Office of State Budget and Management.

Figure 80. Percent Change in Ratio of Active Physical Therapist Assistants per 10,000 Population from 2001 to 2005



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Board of Physical Therapy Examiners; North Carolina State Data Center, Office of State Budget and Management.

Psychologists study the behavior, emotions and thinking processes of individuals and groups to better understand their behavior. They work directly with patients using diagnostic tests and intervention techniques to help them deal with their problems. Licensed psychologists hold a doctoral degree. Most doctoral programs in psychology and clinical psychology require four to five years of study beyond the bachelor’s degree. Two years of supervised experience, one of which must be obtained at the post-doctoral level, is required. There are four Ph.D. psychology programs in North Carolina.

The number of psychologists per 10,000 population is considerably higher nationally than in North Carolina (i.e. nearly five times as large in the U.S. than in NC in 2002) (Figure 81). U.S. data since 2002 are not reported because the accuracy was questionable. The supply of psychologists in metropolitan North Carolina is greater than in nonmetropolitan areas and this gap has been widening (Figure 82). The difference in supply by PHPSA also reflects this trend. In 2005 there were nearly 2.4 psychologists per 10,000 population in non-PHPSA counties, only 1.3 per 10,000 in part-county PHPSAs and 0.2 per 10,000 in whole-county PHPSAs (Figure 83).

In 2005, there were 25 counties without a psychologist, including a large cluster of counties in eastern North Carolina (Figure 84). Twenty-two of these counties also did not have a psychologist in 2001. Six counties that had no psychologists in 2001 gained at least one provider by 2005 and an additional 29 counties experienced an increase in supply. Despite these gains, however, 43 counties experienced a decline in their psychologist- per-population ratio between 2001-2005 (Figure 85).

Table 16: Summary Statistics for Psychologists in North Carolina

Psychologists per 10,000 Population		Total Active Psychologists	
1979:	0.89	1979:	519
2001:	1.88	2001:	1,541
2005:	1.93	2005:	1,674

Number of Psychologists per 10,000 Population in 2005

Metropolitan Areas:	2.39
Nonmetropolitan Areas:	0.91

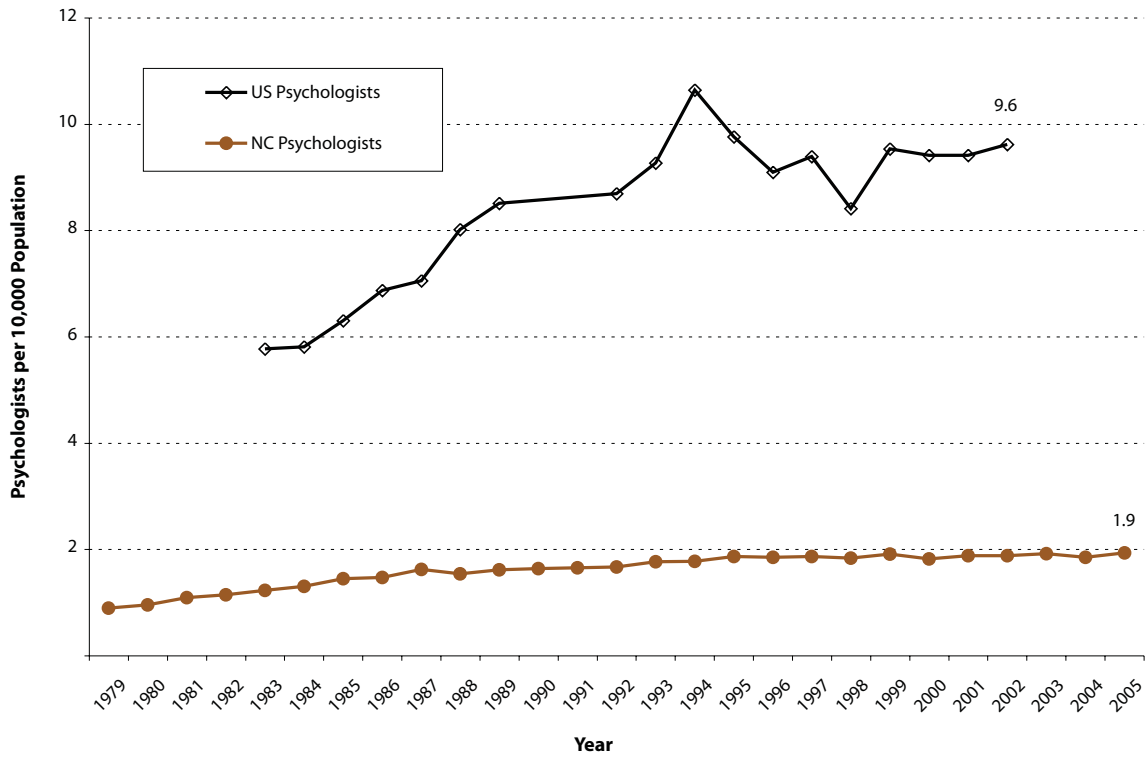
For the 11 counties designated as whole county PHPSAs*: 0.24
 For the 27 counties designated as part county PHPSAs*: 1.28
 For the 62 counties not designated as PHPSAs*: 2.37

County Level Data

- # of counties increasing psychologist supply, 2001-2005: 35
- # of counties decreasing psychologist supply, 2001-2005: 43
- # of counties with no psychologists in 2005: 25

*Persistent Health Professional Shortage Area

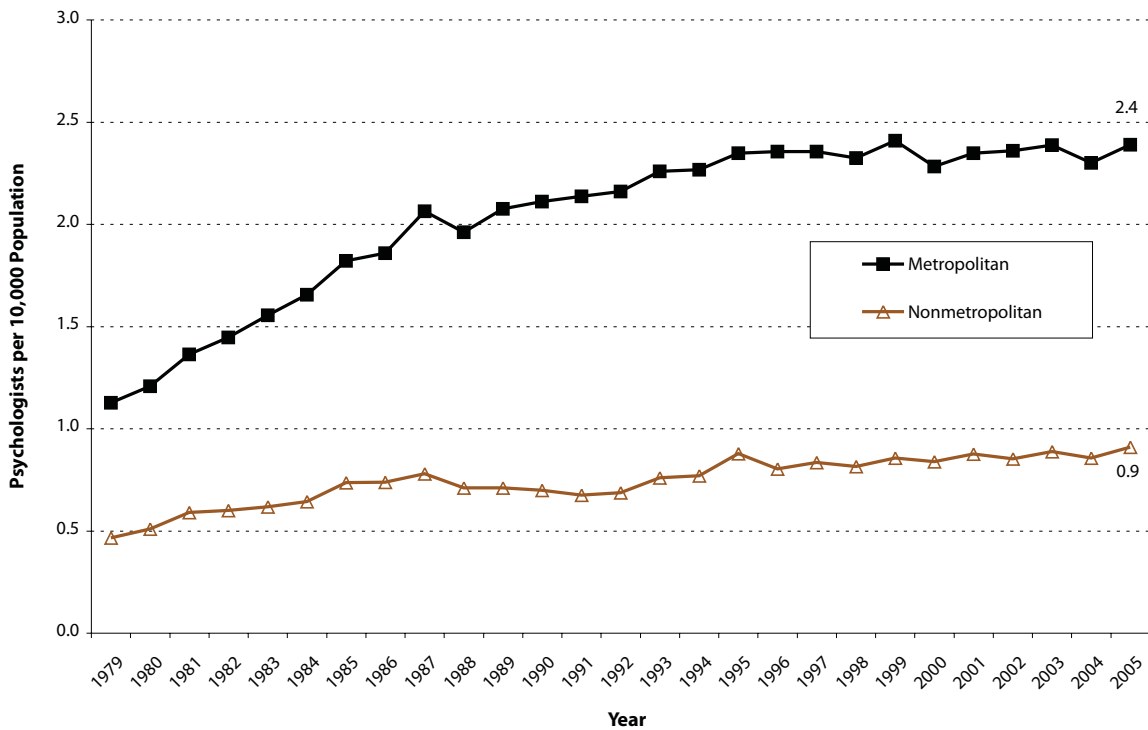
**Figure 81. Psychologists per 10,000 Population
United States and North Carolina
1979-2005**



Notes: Figures include all active, instate psychologists.

Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Bureau of Health Professions, HRSA, U.S. Census Bureau, Statistical Abstract of the United States (various editions), Washington, DC, <http://www.census.gov/statab>.

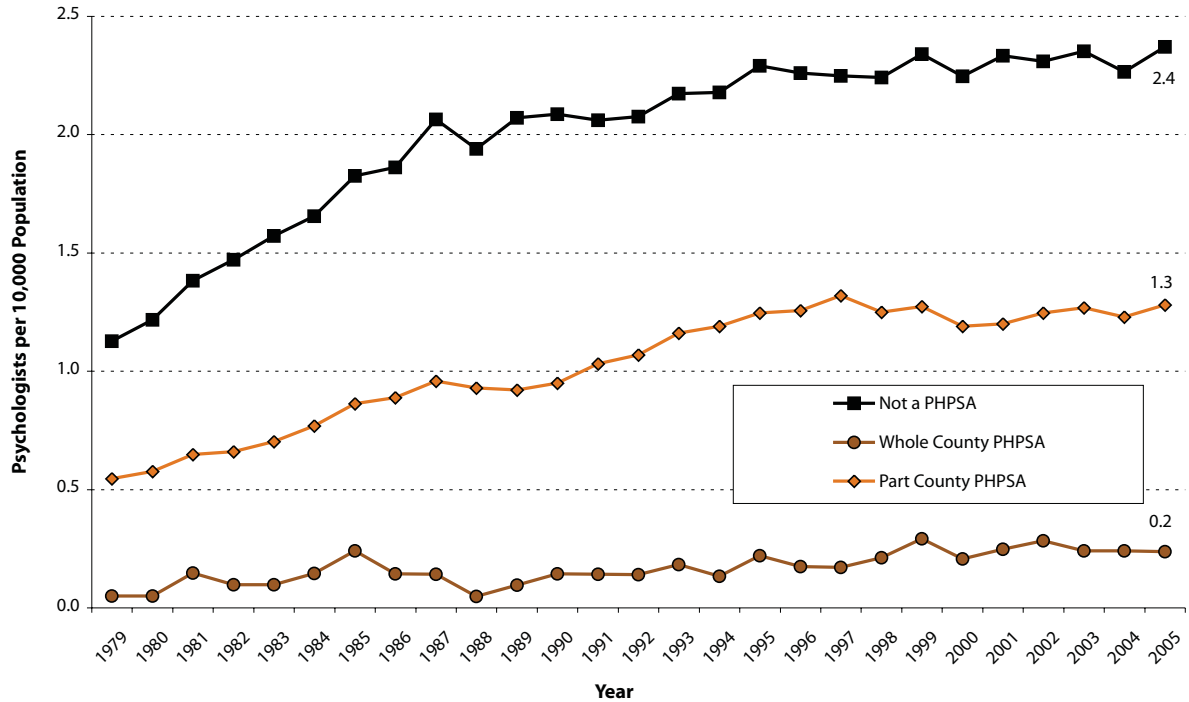
**Figure 82. Psychologists per 10,000 Population
Metropolitan and Nonmetropolitan Counties, North Carolina
1979-2005**



Notes: Figures include all active, instate psychologists licensed as of October 31st of the respective year.

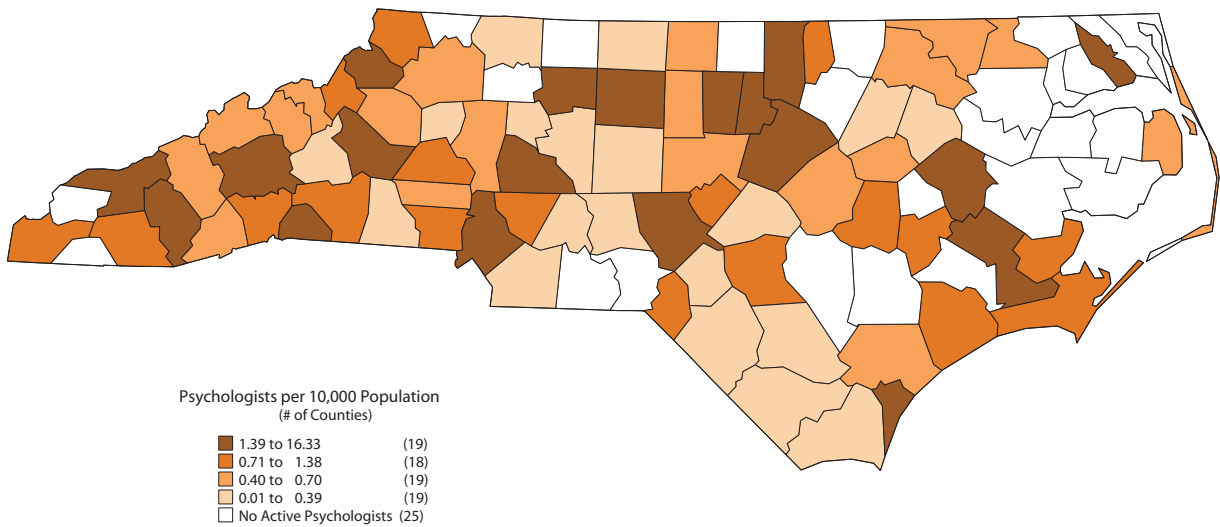
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

**Figure 83. Psychologists per 10,000 Population
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1979-2005**



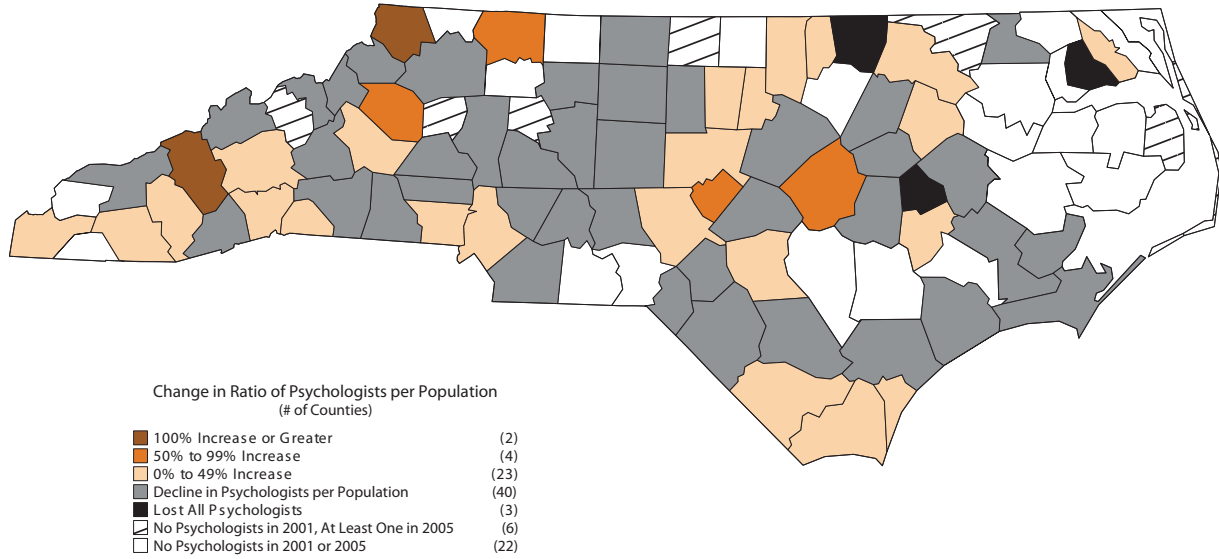
Notes: Figures include all active, in-state psychologists licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006.

**Figure 84. Active Psychologists per 10,000 Population
North Carolina, 2005**



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Psychology Board; North Carolina State Data Center, Office of State Budget and Management.

Figure 85. Percent Change in Ratio of Active Psychologists per 10,000 Population from 2001 to 2005



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Psychology Board; North Carolina State Data Center, Office of State Budget and Management.

Psychological Associates are master’s-trained individuals who provide professional psychological services such as interviewing, administering and interpreting tests of mental abilities, interests, aptitudes and personality characteristics for the purposes of psychological evaluation, educational or vocational selection, personnel selection, guidance or placement. With qualified supervision, psychological associates are allowed to render the same services as a licensed psychologist. There are ten master’s programs in North Carolina.

U.S. data for psychological associates are not available. Trends in the supply of psychological associates per 10,000 population in the state during the 27 year period from 1979-2005 have been variable and are best described by analyzing four distinct periods. Growth in the supply of psychological associates relative to the population was rapid until 1985, held steady between 1985-1992, increased from 1992-1995 and has been declining since then (Figure 86). Psychological associates tend to work more in metropolitan areas, although the gap narrowed in 2005 (Figure 87). Most psychological associates practice in non-PHPSA counties. The distribution of psychological associates in whole-county PHPSAs has fluctuated greatly around the ratios for part-county PHPSAs since 1979, and is currently higher (Figure 88).

In 2005, the distribution of psychological associates was varied, but there were 16 counties without a provider (Figure 89). Sixty-two counties experienced declines in supply relative to population from 2001 to 2005, including seven counties which lost all of their active psychological associates (Figure 90). Two counties, Ashe and Bertie, doubled their provider-to-population ratio, and 23 others saw smaller increases.

Table 17: Summary Statistics for Psychological Associates in North Carolina

Psychological Associates per 10,000 Population		Total Active Psychological Associates	
1979:	0.39	1979:	228
2001:	1.16	2001:	946
2005:	1.04	2005:	905

Number of Psychological Associates per 10,000 Population in 2005

Metropolitan Areas:	1.11
Nonmetropolitan Areas:	0.89

For the 11 counties designated as whole county PHPSAs*: 0.99

For the 27 counties designated as part county PHPSAs*: 0.90

For the 62 counties not designated as PHPSAs*: 1.13

County Level Data

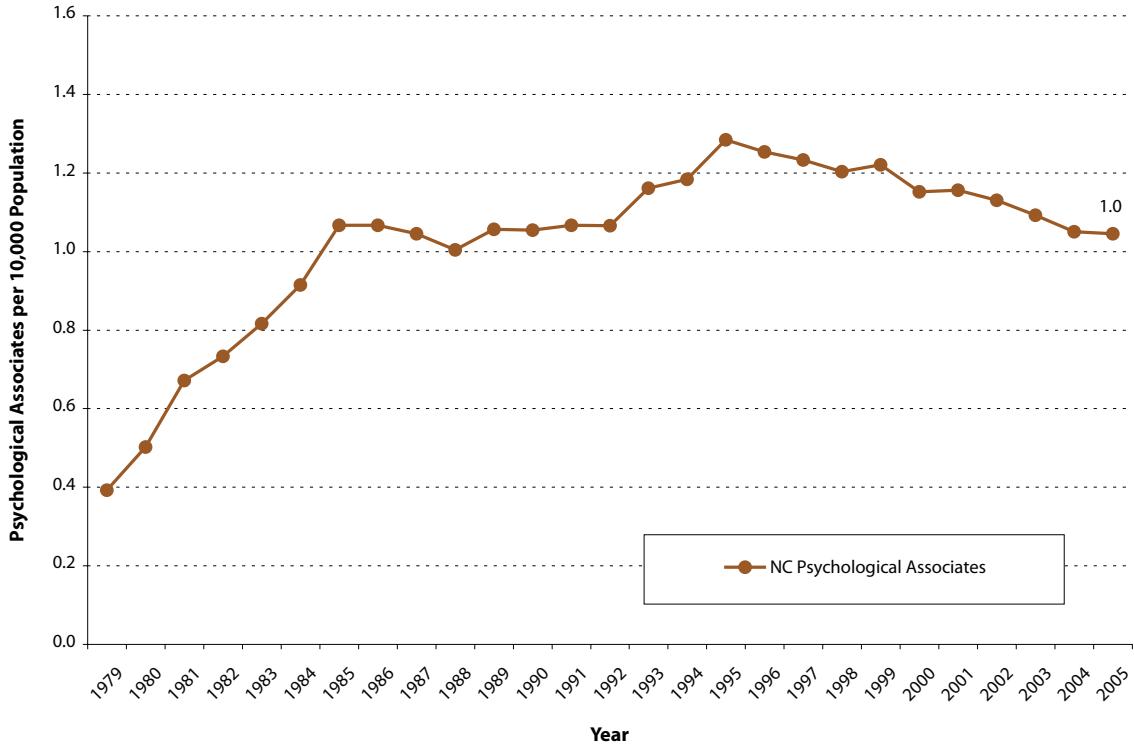
of counties increasing psychological associate supply, 2001-2005: 29

of counties decreasing psychological associate supply, 2001-2005: 62

of counties with no psychological associates in 2005: 16

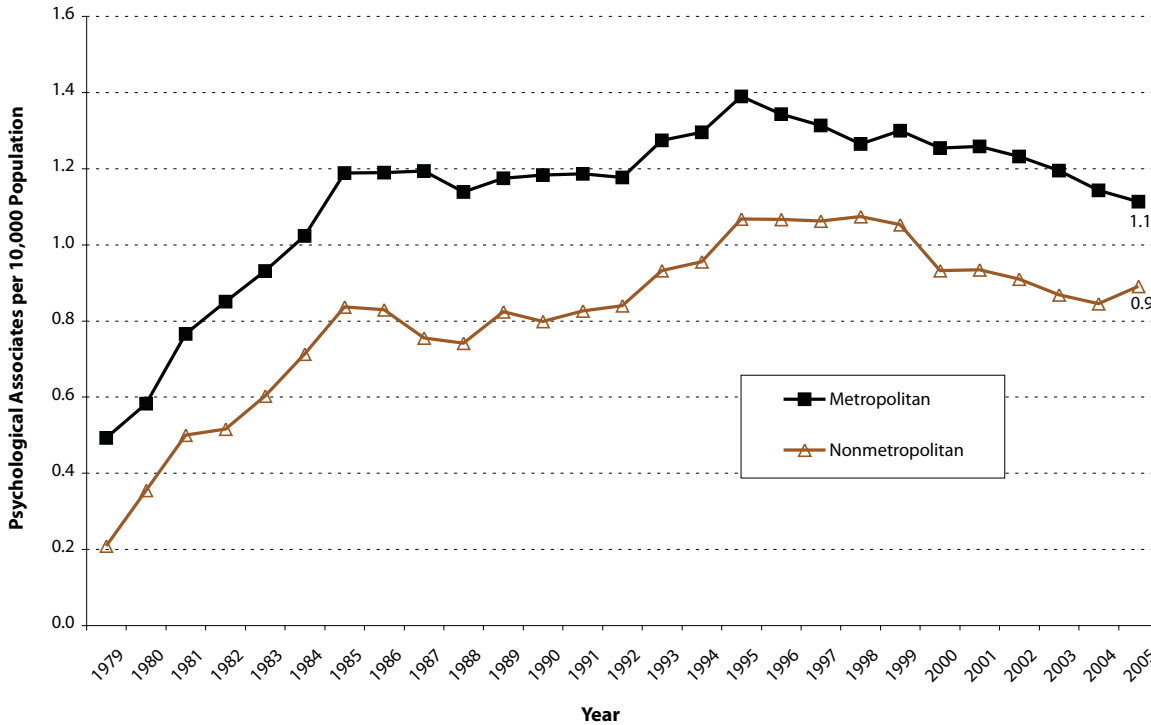
*Persistent Health Professional Shortage Area

**Figure 86. Psychological Associates per 10,000 Population
North Carolina
1979-2005**



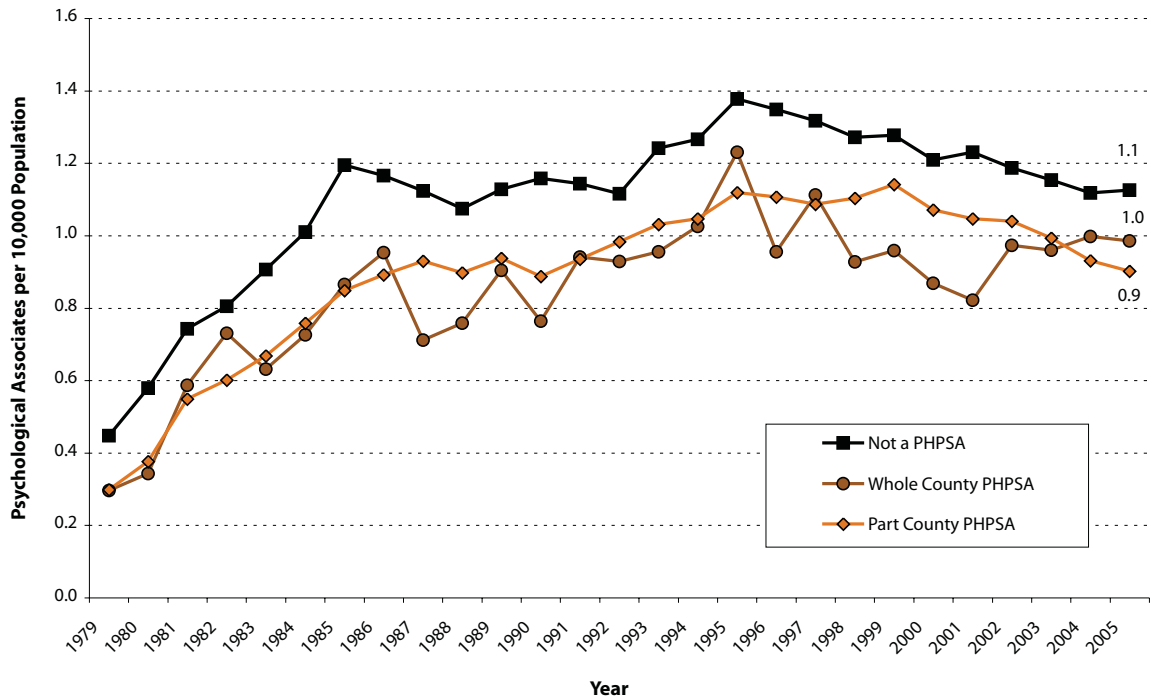
Notes: Figures include all active, instate psychological associates. National data for psychological associates are not available.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management.

**Figure 87. Psychological Associates per 10,000 Population
Metropolitan and Nonmetropolitan Counties, North Carolina
1979-2005**



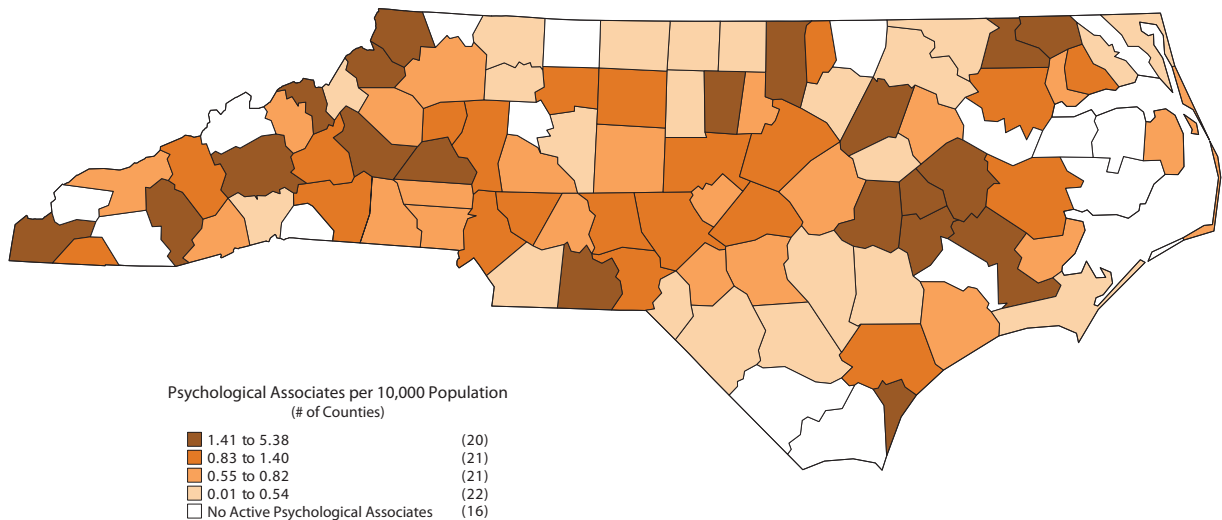
Notes: Figures include all active, instate optometrists licensed as of October 31st of the respective year.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006.

**Figure 88. Psychological Associates per 10,000 Population
By Persistent Health Professional Shortage Area (PHPSA) Status, North Carolina
1979-2005**



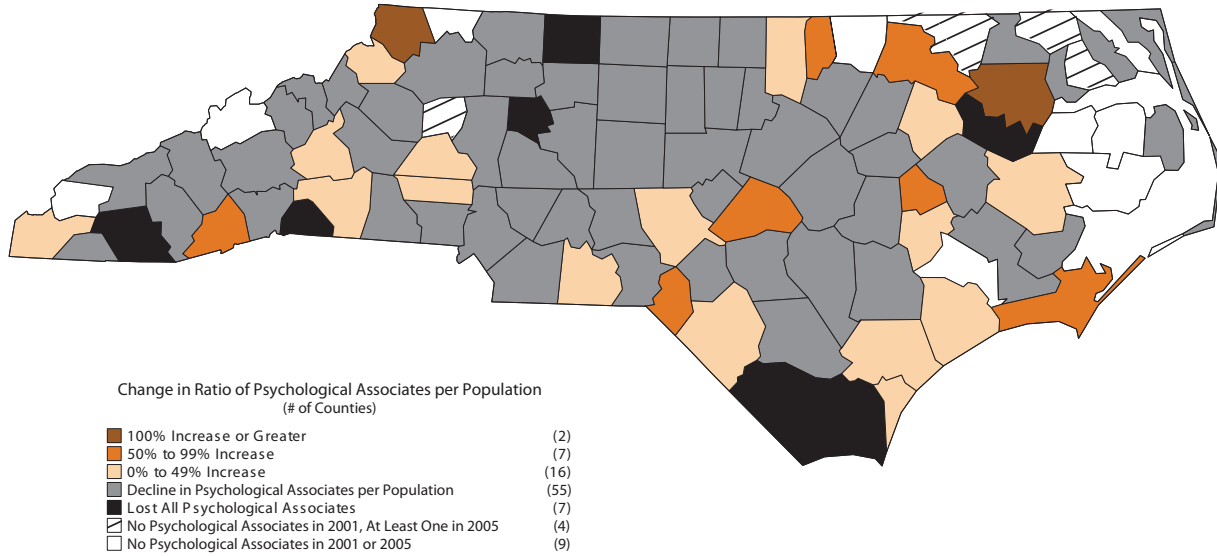
Notes: Figures include all active, in-state optometrists licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.
Sources: North Carolina Health Professions Data System, 1979 to 2005; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; Area Resource File, HRSA, Department of Health and Human Services, 2006.

**Figure 89. Active Psychological Associates per 10,000 Population
North Carolina, 2005**



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Psychology Board; North Carolina State Data Center, Office of State Budget and Management.

Figure 90. Percent Change in Ratio of Active Psychological Associates per 10,000 Population from 2001 to 2005



Source: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, with data derived from the North Carolina Psychology Board; North Carolina State Data Center, Office of State Budget and Management.

Respiratory Therapists specialize in the assessment and treatment of respiratory and cardiovascular ailments, including lung problems such as asthma, emphysema, pneumonia, infant respiratory distress syndrome, and conditions brought on by heart attacks, shock, trauma or postoperative surgical complications. A two-year associate's degree or a four-year bachelor's degree are required. There are 14 associate degree programs in North Carolina. Licensure for respiratory therapists was established in 2000 (they had until 2002 to obtain a license), and the Respiratory Care Board joined the Health Professions Data System in 2004.

In the two years for which data are available, the supply of respiratory therapists per 10,000 population was greater than the national average. Respiratory therapists were slightly more likely to practice in metropolitan counties than nonmetropolitan counties, and were least likely to practice in whole county PHPSAs (Figure 91).

In 2005, 15 counties did not have an active respiratory therapist (Figure 92). Between 2004 and 2005, 46 counties increased their supply relative to population, and the supply decreased in 40 counties.

Table 18: Summary Statistics for Respiratory Therapists in North Carolina

Respiratory Therapists per 10,000 Population		Total Active Respiratory Therapists	
2001:	3.83	2001:	3,278
2005:	3.94	2005:	3,413

Number of Respiratory Therapists per 10,000 Population in 2005

Metropolitan Areas: 4.10
 Nonmetropolitan Areas: 3.58

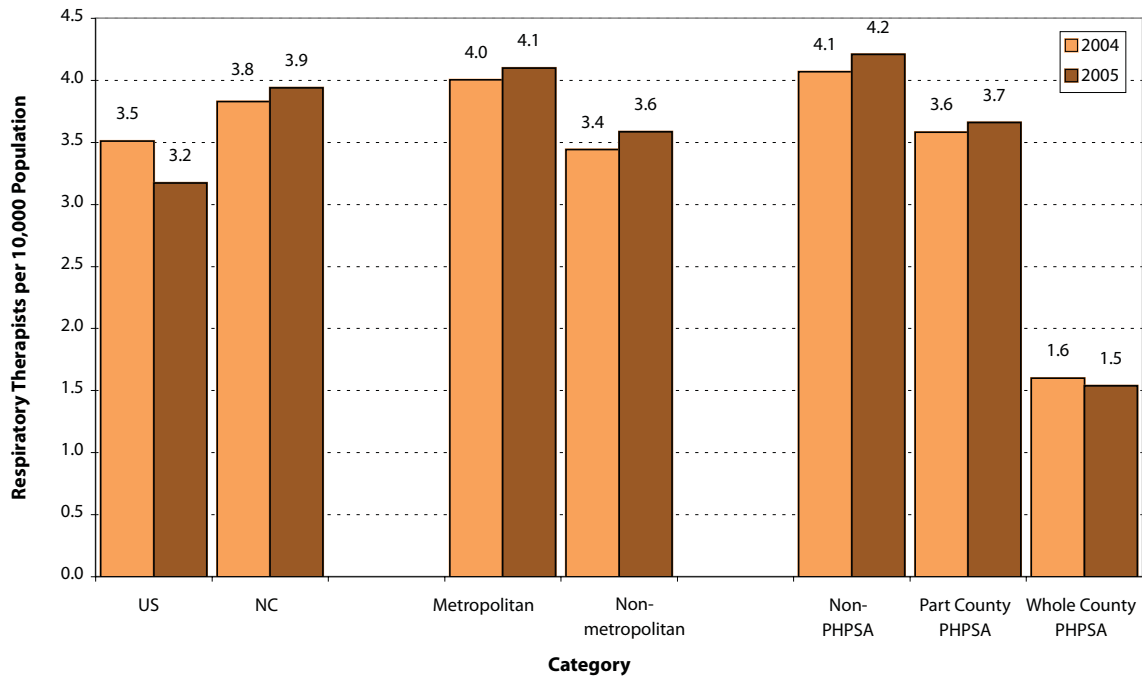
For the 11 counties designated as whole county PHPSAs*: 1.54
 For the 27 counties designated as part county PHPSAs*: 3.66
 For the 62 counties not designated as PHPSAs*: 4.21

County Level Data

of counties increasing respiratory therapist supply, 2001-2005: 46
 # of counties decreasing respiratory therapist supply, 2001-2005: 40
 # of counties with no respiratory therapists in 2005: 15

*Persistent Health Professional Shortage Area

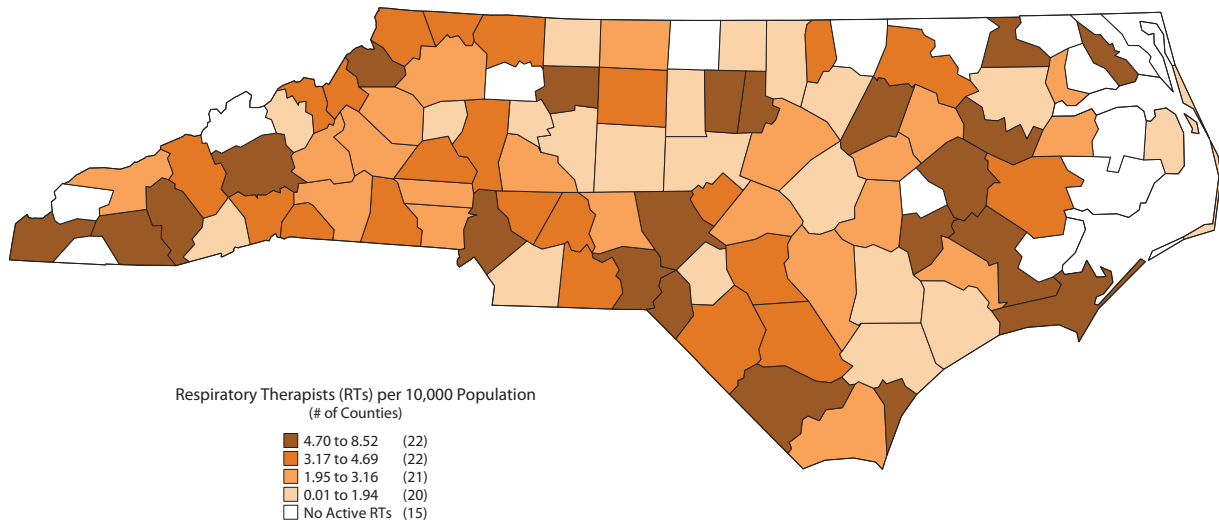
**Figure 91. Distribution of Respiratory Therapists per 10,000 Population
North Carolina
2004-2005**



Note: Figures include all active, in-state respiratory therapists licensed as of October 31st of the respective year. Persistent HPSAs are those designated as HPSAs by HRSA from 1999 through 2005, or in 6 of the last 7 releases of HPSA definitions.

Sources: North Carolina Health Professions Data System, 1979 to 2005; Bureau of Labor Statistics; North Carolina Office of State Planning; North Carolina State Data Center, Office of State Budget and Management; US Census Bureau and Office of Management and Budget, 2006 (metropolitan status); Area Resource File, HRSA, Department of Health and Human Services, 2006 (PHPSA status).

**Figure 92. Active Respiratory Therapists per 10,000 Population
North Carolina, 2005**



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

PHYSICIAN • ASSISTANTS • CHIROP
ORS • PODIATRISTS • REGISTERED
S • NURSE • PRACTITIONERS • CERTI
NURSE • MIDWIVES • LICENSED • PR
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ERAPISTS • PHYSICAL • THERAPIST
TANTS • PSYCHOLOGISTS • PSYCH
CAL • ASSOCIATES • PHYSICIANS • P
Y • CARE • PHYSICIANS • PHYSICIAN
TANTS • CHIROPRACTORS • PODIA

Appendix 1

Active Health Professionals by County, 1979-2005

LICENSED • PRACTICAL • NURSES • L
S • DENTAL • HYGIENISTS • OPTOME
PHARMACISTS • PHYSICAL • THER
PHYSICAL • THERAPIST • ASSISTA
YCHOLOGISTS • PSYCHOLOGICAL
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YSICIANS • PHYSICIAN • ASSISTA
HIROPRACTORS • PODIATRISTS • R
RED • NURSES • NURSE • PRACTITIO
CERTIFIED • NURSE • MIDWIVES • LI
D • PRACTICAL • NURSES • DENTIST
AL • HYGIENISTS • OPTOMETRISTS

Certified Nurse Midwives, 1984-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alamance						1	1	1	1	1	1	1	1	2	1	1	1	1	3	3	3	4	5	5	5	5	6
Alexander						1	1	1																			
Alleghany																											
Anson																				1	1						
Ashe																											
Avery																											
Beaufort															1	2	3	3	3	3	1	1	1	1	2	1	2
Bertie																											
Bladen																											
Brunswick																											
Buncombe						1	3	4	7	5	4	2	2	2	2	1	2	2	2	4	6	8	8	8	9	9	12
Burke															1	2	2	4	4	4	3	4	4	5	4	3	3
Cabarrus																											
Caldwell																2	3	3	4	4	4	5	4	4	3	6	4
Camden																											
Carteret																											
Caswell																											
Catawba																2	3	5	5	5	6	7	7	7	10	11	12
Chatham						3	3	2	4	4	3	3	4			1				1	2		1	2	1	1	1
Cherokee																											
Chowan																					1	1	1	2	2	2	2
Clay																											
Cleveland							1									1			1	1	1	3	3	4	3	3	3
Columbus						1	1	1	1	1	1	1	1	1	1												
Craven						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cumberland						1	1	1					1			2	2	2	1	1	3	2	2	5	6	6	8
Currituck																											
Dare						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	2
Davidson																					1						
Davie																											
Duplin																											
Durham						2	2	3	5	4	5	6	8	7	6	6	6	6	3	6	4	3	5	5	6	8	6
Edgecombe																											
Forsyth																											
Franklin																											
Gaston						2	2					4	6	5	10	7	7	7	7	10	9	11	13	12	13	14	14
Gates																											
Graham																											
Granville																											
Greene															1	1	1	1	1	1	1	1	1	1	1	1	1
Guilford						1	2	3	2	2	4	4	4	4	4	6	8	8	10	7	8	9	11	11	12	12	15
Halifax																											
Harnett													1	1													
Haywood															2	2	3	4	4	4	5	5	5	5	4	4	2
Henderson						1							1	4	4	6	7	6	7	4	5	5	5	5	6	5	6
Hertford																											
Hoke																											
Hyde																											
Iredell																											
Jackson													1	1	1	1	1	1	1	1	3	2	2	2	2	2	2

Note: Includes active, in-state CNMs licensed as of October 31 of the respective year.
 The state totals per 10,000 population are calculated per 10,000 females ages 15-44.

Chiropractors, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alamance	9	8	8	8	8	9	10	10	11	11	11	10	10	11	10	10	12	13	14	15	17	15	13	15	17	18	19
Alexander	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	3	3	4	3	3	3
Alleghany	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	2	-	-	-	1	1
Anson	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1
Ashe	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	4	4	5	5	5	5
Avery	-	-	-	-	-	1	2	2	2	1	1	1	2	2	3	1	1	1	1	1	1	1	1	1	-	1	1
Beaufort	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	4	4	4	6	5	5	5	5	5
Bertie	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bladen	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	2	2	2	2	2	2	2	3
Brunswick	-	1	2	3	3	4	4	3	5	6	5	5	6	5	6	6	7	7	8	9	10	11	12	17	17	18	
Buncombe	11	12	16	18	21	22	22	24	22	22	22	24	26	28	32	36	35	37	41	42	46	51	54	57	56	68	65
Burke	5	7	7	7	6	6	6	6	7	7	7	8	7	6	8	9	9	8	12	10	11	11	9	11	10	10	9
Cabarrus	10	9	9	10	11	11	12	12	12	12	12	14	17	15	17	15	18	17	18	18	24	25	25	30	32	32	33
Caldwell	2	3	3	5	7	4	4	5	5	7	6	6	5	5	5	4	5	5	4	4	3	3	4	3	4	4	4
Camden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carteret	1	1	1	1	2	3	4	4	5	6	5	5	4	4	4	4	5	4	8	10	8	9	11	11	12	10	10
Caswell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catawba	11	12	12	12	11	12	14	14	12	14	14	15	14	14	16	16	17	17	14	17	15	17	20	20	21	20	22
Chatham	1	1	1	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	3	3	4	4	5	4	4	6	5
Cherokee	3	3	2	2	2	3	3	4	2	2	2	2	4	3	3	3	3	3	3	3	3	2	5	4	5	4	4
Chowan	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	-	2	3	3	4	3	3	3	3
Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cleveland	6	6	6	6	6	7	7	7	7	7	7	7	7	7	8	8	8	8	9	10	10	10	11	10	10	11	11
Columbus	4	4	4	4	4	5	5	5	3	3	3	3	3	5	4	4	5	5	6	5	7	7	7	5	7	6	5
Craven	3	5	4	4	4	4	4	5	6	5	5	5	4	4	6	7	7	7	11	11	13	14	14	11	13	13	13
Cumberland	6	7	7	7	9	9	10	12	9	9	12	16	14	16	15	17	19	23	23	23	24	27	30	22	24	27	25
Currituck	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	2	2	2	2
Dare	-	-	-	-	-	-	-	-	3	2	3	3	5	5	5	5	5	5	5	5	5	4	4	4	5	7	8
Davidson	7	6	6	6	7	8	8	9	8	6	8	8	8	8	9	9	7	9	11	10	10	11	13	11	10	12	12
Davie	2	2	1	1	1	1	1	1	2	3	2	2	3	3	3	2	2	2	2	2	2	2	3	4	4	2	2
Duplin	1	1	1	1	1	1	1	1	2	-	-	-	-	-	-	-	-	-	1	1	1	2	-	1	2	2	2
Durham	9	8	9	9	11	12	12	14	14	17	17	17	18	18	17	19	20	21	23	24	27	27	35	35	37	34	30
Edgecombe	2	2	2	3	3	3	3	2	2	2	1	1	1	1	2	2	2	2	3	3	3	2	2	3	2	2	2
Forsyth	12	14	20	22	27	27	27	28	23	22	24	24	23	21	25	25	32	30	34	33	30	31	34	36	36	35	35
Franklin	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	5	4	4
Gaston	8	9	11	12	12	15	15	13	15	15	14	14	16	16	16	18	18	21	22	22	23	23	25	28	27	27	27
Gates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Graham	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Granville	-	-	-	-	-	-	-	-	-	-	-	-	2	1	5	3	2	2	2	2	2	2	1	1	1	2	3
Greene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guilford	22	26	28	32	35	37	41	38	37	35	36	39	43	41	38	37	36	42	45	50	51	49	54	46	50	56	55
Halifax	1	2	3	2	2	3	3	2	2	2	2	2	2	2	2	2	4	4	4	4	5	6	5	5	5	4	4
Harnett	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	5	4	4	5	4	6	6
Haywood	4	5	5	5	6	7	7	7	7	7	8	8	9	8	8	8	7	7	9	10	9	11	11	9	8	10	10
Henderson	6	6	6	8	8	11	11	10	8	7	7	8	9	9	11	15	16	15	18	19	17	20	19	19	21	21	23
Hertford	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	2	2	3	3	3	3
Hoke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	3	1	2	2	2	2	2
Hyde	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iredell	7	8	9	10	9	10	10	9	8	8	9	10	9	10	8	11	12	14	17	20	16	19	19	20	20	28	26
Jackson	1	-	-	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	5	3	3

Note: Includes active, in-state chiropractors licensed as of October 31 of the respective year.

Johnston	4	5	5	5	4	4	4	4	4	4	4	4	5	5	7	6	7	9	12	11	8	9	11	13		
Jones	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2		
Lee	3	3	3	4	4	5	5	5	5	4	4	4	4	4	4	6	7	6	10	9	7	11	10	9		
Lenoir	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	4	4	3	5	3	3	3	3		
Lincoln	5	6	5	5	7	6	4	4	4	6	6	5	5	4	5	6	6	4	5	5	6	7	9	9		
McDowell	3	2	2	2	3	3	3	2	2	2	2	3	3	4	4	5	6	6	6	6	6	6	6	6		
Macon	3	3	3	2	4	6	5	5	4	4	4	4	3	3	3	3	3	4	5	4	5	5	5	5		
Madison	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	2	4	3	3	2	2		
Martin	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	1	1	1	1		
Mecklenburg	23	27	26	29	40	45	51	55	57	62	69	78	78	82	93	112	113	138	163	177	169	175	194	193		
Mitchell	-	-	-	-	-	-	-	-	-	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1		
Montgomery	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	2	2	1	1	3	2	2	2	2		
Moore	3	3	4	4	3	3	3	3	5	6	6	5	7	6	7	8	6	7	9	11	13	13	14	13		
Nash	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	6	9	7	8	7	9	9	7	8		
New Hanover	7	8	8	12	15	17	17	20	20	22	21	22	23	28	31	34	38	43	56	63	60	58	60	64		
Northampton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-		
Onslow	3	3	3	3	4	4	4	4	4	3	4	4	4	4	6	7	10	9	11	11	11	11	11	10		
Orange	1	4	4	6	6	6	6	6	6	7	7	10	10	13	14	14	18	19	17	18	18	19	19	22		
Pamlico	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Pasquotank	2	2	2	3	3	4	4	4	3	3	3	3	4	4	4	4	5	4	6	4	5	3	6	4	4	
Pender	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	2	3	2	3	4	4	3	4	4		
Perquimans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-		
Person	2	2	2	2	2	2	2	2	2	3	3	3	3	4	4	4	4	4	5	4	5	5	5	5		
Pitt	4	4	4	4	6	6	6	5	6	6	7	7	6	6	7	8	10	9	12	15	15	13	13	15		
Polk	1	2	1	1	1	1	1	1	1	1	1	2	3	1	2	2	3	4	3	5	5	6	7	5		
Randolph	6	5	6	6	6	6	5	6	7	6	7	8	7	8	7	7	8	11	11	13	12	12	13	12		
Richmond	4	4	4	4	3	3	3	3	4	4	4	5	5	5	5	4	4	4	4	3	3	3	3	3		
Robeson	3	3	3	4	6	8	6	6	6	7	8	8	7	8	9	9	10	10	9	9	12	15	16	12		
Rockingham	6	6	6	6	6	6	6	6	6	6	6	5	5	5	4	5	6	9	9	9	9	10	10	10		
Rowan	7	9	10	8	9	10	10	11	9	9	10	10	8	11	11	13	12	11	12	11	14	11	11	11		
Rutherford	2	3	3	3	3	3	3	5	5	5	5	5	5	6	6	4	4	5	7	8	9	9	8	8		
Sampson	1	1	1	1	2	2	1	2	1	2	4	3	3	3	3	3	3	3	4	4	4	5	4	4		
Scotland	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	5	3	5	5		
Stanly	5	5	5	6	6	7	7	5	4	4	3	3	3	3	3	5	5	4	4	4	4	4	4	5		
Stokes	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	-	1	2	1	1	1	1		
Surry	4	5	6	6	5	5	5	5	6	6	6	6	5	6	6	7	6	6	5	5	6	7	6	5		
Swain	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Transylvania	2	2	2	2	2	2	2	2	3	4	4	4	3	3	3	4	4	3	3	3	5	5	5	5		
Tyrrell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Union	3	3	2	1	3	3	3	3	3	4	4	5	4	5	5	7	11	10	13	14	11	12	17	15		
Vance	3	2	2	1	3	4	4	4	4	2	2	2	2	2	2	2	2	3	3	3	3	5	6	4		
Wake	17	17	17	27	33	36	37	38	40	44	47	55	60	66	69	79	96	110	119	133	137	129	135	149		
Warren	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Washington	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Watauga	2	2	1	4	6	7	6	5	5	4	4	4	4	4	4	4	4	6	6	6	6	7	6	6		
Wayne	2	2	3	3	3	3	3	2	3	3	3	3	2	2	3	3	4	4	5	7	8	10	11	12		
Wilkes	2	2	3	2	2	3	4	4	4	3	4	4	4	5	6	6	7	9	8	7	8	10	10	5		
Wilson	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	5	7	7	7	7	8	8	8	8		
Yadkin	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	3	3	3	4	4		
Yancey	1	1	1	2	2	2	2	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1		
State Total	311	340	355	392	442	483	498	509	503	518	543	582	597	617	674	713	778	806	915	972	1,026	1,053	1,134	1,160	1,207	
State Total per 10,000 Population	0.53	0.58	0.60	0.65	0.73	0.78	0.80	0.80	0.79	0.80	0.83	0.88	0.88	0.90	0.96	0.99	1.06	1.08	1.20	1.25	1.29	1.31	1.38	1.32	1.41	1.39

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

Dental Hygienists, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
Alamance	28	26	26	31	27	31		36	37	49	45	47	51	54	54	56	56	62	67	65	64	67	65	66	66	66	65	
Alexander	1	2	3	4	3	2		3	4	4	5	5	5	3	3	2	3	4	3	5	5	6	9	8	13	14	12	14
Alleghany	1	1	1	2	1	4		2	2	2	2	2	3	3	3	2	2	3	2	2	2	-	1	2	6	4	2	
Anson	1	1	2	2	2	1		2	2	-	-	-	-	1	1	-	-	1	1	1	3	3	3	4	3	3	2	
Ashe	2	1	3	1	2	2		1	1	1	2	2	2	4	4	3	3	4	4	4	4	5	6	6	4	5	4	
Avery	1	2	1	1	1	1		1	3	2	2	3	4	2	3	4	4	4	4	4	6	5	4	4	5	4	4	
Beaufort	6	7	7	6	6	7		8	8	9	8	9	9	7	9	11	11	12	13	15	18	17	16	17	15	14	15	
Bertie	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
Bladen	2	2	2	3	1	1		1	2	5	3	3	3	3	3	4	4	6	7	6	6	6	5	5	6	5	7	
Brunswick	4	5	7	6	7	9		9	11	13	12	12	13	15	16	19	22	22	23	21	22	22	29	30	27	24	25	
Buncombe	56	65	68	68	68	69		74	86	87	84	88	98	93	107	103	117	114	123	130	133	131	135	142	150	150	161	
Burke	16	15	15	19	18	15		16	15	14	15	16	16	16	15	19	18	18	15	18	19	21	28	28	30	33	30	
Cabarrus	17	17	18	19	21	24		28	33	29	32	33	37	33	36	37	37	37	44	45	43	51	56	59	71	75	80	
Caldwell	8	13	10	9	8	10		8	9	12	11	11	13	12	15	16	15	16	15	16	16	18	19	19	26	32	28	
Camden	-	-	-	-	-	1		1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	2	2	1	
Carteret	8	13	11	9	11	13		14	14	19	19	21	23	22	24	26	27	28	28	32	32	31	36	34	36	40	45	
Caswell	2	3	2	3	4	3		3	3	3	2	2	2	2	2	2	2	2	2	3	2	2	1	1	3	3	5	
Catawba	27	20	23	25	27	28		37	41	38	41	45	46	42	53	53	58	62	61	63	65	71	72	77	65	66	73	
Chatham	9	9	8	7	7	9		12	11	12	11	11	12	12	10	11	12	10	10	12	13	11	14	16	29	30	30	
Cherokee	2	3	3	4	4	4		3	5	5	5	5	6	5	7	10	7	8	10	11	11	12	11	11	12	14	16	
Chowan	2	2	2	2	2	3		4	4	5	5	5	5	5	6	5	7	6	6	5	5	5	5	5	4	5	6	
Clay	3	1	3	3	1	2		2	2	2	1	1	1	2	1	2	3	3	2	2	3	4	5	6	8	8	7	
Cleveland	18	14	15	19	22	22		19	21	24	29	35	38	31	43	37	41	44	40	42	43	47	48	54	55	56	63	
Columbus	2	3	4	4	5	6		7	5	6	6	8	8	8	8	9	8	6	7	7	9	8	8	9	12	10	15	
Craven	17	19	20	26	26	23		33	31	32	32	33	35	38	39	40	40	41	40	41	42	43	47	49	44	48	44	
Cumberland	54	61	60	62	52	61		67	78	73	68	79	92	79	95	107	112	115	127	130	138	139	128	141	145	154	151	
Currituck	-	-	-	-	-	-		-	-	1	1	1	1	1	-	-	1	1	2	1	1	1	1	1	1	1	1	1
Dare	3	4	3	3	3	3		4	4	3	4	4	5	5	5	7	7	6	8	10	9	12	13	16	15	17	21	
Davidson	15	17	12	13	13	16		19	21	20	22	23	26	23	29	32	34	31	33	41	39	46	42	42	60	66	69	
Davie	6	7	9	6	6	6		6	6	7	7	7	8	7	10	7	8	10	12	13	11	13	9	10	20	23	24	
Duplin	4	4	1	3	5	6		3	4	5	5	5	5	7	8	10	11	11	10	15	15	13	15	17	17	21	19	
Durham	58	47	48	53	57	65		67	70	86	77	85	88	87	94	99	98	105	101	105	100	100	118	130	118	126	131	
Edgecombe	3	5	7	3	3	4		5	5	4	6	6	7	6	6	6	8	4	5	4	4	5	5	5	7	8	7	
Forsyth	93	102	117	116	116	119		124	127	119	125	133	138	135	149	150	155	160	157	170	174	176	211	209	178	181	195	
Franklin	4	5	2	3	5	3		3	2	2	2	2	2	4	5	5	7	10	8	8	8	8	12	12	13	13	14	
Gaston	35	31	39	39	44	45		53	55	58	61	64	66	60	69	73	72	74	74	77	82	94	87	91	94	102	96	
Gates	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Graham	1	-	1	-	-	-		-	-	-	1	1	1	1	1	2	2	2	3	3	3	3	3	3	4	3	3	3
Granville	5	7	5	5	3	6		7	10	8	10	11	11	9	10	10	10	10	12	12	15	18	14	13	19	19	18	
Greene	2	1	1	2	1	2		1	2	2	2	2	2	3	3	3	5	2	3	5	6	4	6	6	8	9	6	
Guilford	102	107	115	119	121	126		127	143	154	159	171	180	162	187	201	202	215	224	219	223	227	256	268	248	266	258	
Halifax	5	4	6	6	6	5		3	6	6	6	8	8	7	14	12	10	10	9	11	10	9	13	13	15	14	19	
Harnett	6	10	14	13	10	12		13	11	15	13	13	13	12	18	16	18	19	27	29	29	27	24	26	39	42	40	
Haywood	7	9	8	10	11	15		14	17	18	18	21	22	15	19	21	23	26	30	30	28	32	35	36	39	41	43	
Henderson	18	20	18	18	18	23		32	32	33	32	33	37	37	43	43	47	49	49	49	54	60	63	64	68	70	64	
Hertford	2	1	1	1	3	3		3	3	4	3	3	3	3	3	3	3	4	3	3	5	5	4	5	4	4	4	
Hoke	2	4	4	2	3	3		1	2	3	2	3	3	3	3	4	7	6	7	8	13	10	11	10	13	12	12	
Hyde	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iredell	17	18	21	19	22	22		25	29	26	32	36	39	36	37	36	41	41	43	46	53	59	66	70	81	82	72	
Jackson	2	2	3	2	2	2		2	4	10	8	9	10	6	7	7	9	10	10	10	12	11	13	15	14	11	14	

Note: Includes active, instate dental hygienists licensed as of October 31 of the respective year.

*No data available for 1985.

Johnston	14	9	9	9	10	10	10	10	19	19	19	21	22	24	26	31	34	40	34	37	39	52	56
Jones	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2
Lee	7	8	12	15	14	13	13	17	16	15	18	17	17	17	17	19	17	20	24	25	27	33	37
Lenoir	22	20	24	23	23	27	27	24	22	23	24	26	26	26	27	29	27	28	27	28	31	30	27
Lincoln	9	11	10	10	10	11	11	14	14	14	16	22	21	20	21	22	26	27	26	30	36	37	41
McDowell	8	9	8	8	8	10	10	8	11	13	16	14	14	12	15	14	16	18	18	18	17	19	18
Macon	5	5	5	6	7	5	5	5	9	12	10	9	9	9	8	10	13	13	15	16	16	17	18
Madison	2	1	1	1	3	1	3	4	3	3	3	3	3	2	2	2	3	3	3	3	4	6	4
Martin	5	4	5	6	5	4	4	4	4	4	4	5	4	3	3	3	3	5	5	5	6	5	5
Mecklenburg	141	158	161	170	170	193	301	287	254	278	301	348	366	380	401	422	441	451	520	537	469	501	494
Mitchell	4	6	5	4	4	4	4	4	4	4	4	6	6	7	5	7	4	6	10	10	8	7	7
Montgomery	2	1	2	2	3	3	3	3	4	5	5	5	7	7	8	7	9	10	11	12	10	9	8
Moore	8	15	13	16	23	16	16	19	19	23	30	31	35	37	39	43	46	44	48	42	41	44	46
Nash	18	19	18	20	21	24	24	25	25	23	27	23	32	31	33	29	29	33	36	36	33	40	36
New Hanover	33	32	28	33	36	43	43	51	52	53	59	64	86	94	101	100	91	111	129	138	139	140	141
Northampton	1	1	1	1	-	-	-	-	-	-	2	2	1	1	1	2	1	1	1	1	1	1	2
Onslow	26	26	23	21	22	23	23	29	39	49	42	50	59	64	67	86	88	87	83	92	99	99	92
Orange	42	49	44	42	47	49	49	48	57	58	54	65	72	67	70	77	77	88	82	91	85	86	79
Pamlico	1	1	1	1	1	1	1	1	2	2	3	2	2	3	4	4	4	4	4	5	2	5	7
Pasquotank	3	4	3	3	3	3	3	4	5	7	7	7	6	6	7	6	6	8	7	7	7	8	9
Pender	2	2	3	2	2	4	4	2	5	3	3	4	4	6	6	7	10	10	10	10	11	15	23
Perquimans	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2
Person	3	4	4	4	3	3	3	3	6	5	5	4	4	5	3	4	6	5	6	6	9	8	8
Pitt	19	17	22	21	24	22	22	25	24	30	34	36	41	43	37	39	41	40	42	45	46	49	54
Polk	2	3	2	3	2	2	2	2	4	3	4	4	6	6	7	11	8	7	6	7	7	7	7
Randolph	16	19	23	21	21	23	23	27	31	29	31	36	35	42	41	50	58	61	51	57	65	71	66
Richmond	7	7	9	8	11	8	8	10	9	9	9	10	10	10	11	12	12	12	9	10	10	11	10
Robeson	12	13	13	16	12	13	13	13	14	17	21	24	24	26	27	30	31	28	32	29	31	33	33
Rockingham	16	17	17	16	16	17	17	23	23	26	25	26	29	30	36	37	41	41	37	38	47	55	57
Rowan	16	18	18	21	21	23	23	28	26	32	29	31	32	37	38	42	41	39	40	50	58	63	64
Rutherford	6	8	7	6	8	8	8	10	9	11	13	15	18	17	20	21	25	24	29	20	23	35	37
Sampson	8	9	8	7	9	7	7	8	8	8	9	10	11	14	15	16	14	13	16	16	20	22	23
Scotland	2	2	2	4	3	5	5	4	4	4	4	5	5	6	5	3	3	5	5	4	6	8	5
Stanly	9	11	13	13	11	13	13	16	15	15	18	19	21	18	21	23	23	20	16	18	24	25	26
Stokes	2	3	3	4	3	4	4	4	5	5	8	9	5	8	9	10	9	12	9	8	10	14	11
Surry	8	11	12	12	14	16	16	16	14	17	15	17	20	24	26	30	35	27	29	27	31	34	43
Swain	1	1	2	1	1	1	1	3	3	2	4	3	4	4	5	6	5	5	5	4	6	8	5
Transylvania	8	6	7	6	6	7	7	8	9	9	10	11	13	14	15	13	14	13	15	14	13	17	19
Tyrrell	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Union	6	8	10	10	9	11	11	13	13	10	12	14	15	16	17	18	25	24	31	31	30	37	70
Vance	5	5	7	4	5	6	6	4	4	4	6	6	7	8	7	6	8	7	9	10	7	11	12
Wake	120	131	138	141	147	155	155	173	197	220	233	245	261	306	332	360	395	422	476	477	445	458	484
Warren	2	4	2	2	2	2	2	3	2	3	3	3	4	4	3	3	4	2	4	5	4	4	5
Washington	-	-	-	-	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3
Watauga	7	6	10	10	7	6	6	12	11	11	10	12	12	13	14	16	16	16	16	19	20	19	21
Wayne	38	38	39	39	34	39	39	36	34	38	41	46	55	51	53	63	61	68	65	60	65	72	80
Wilkes	9	9	14	13	14	13	13	12	13	16	11	11	12	14	16	16	16	22	18	22	30	32	30
Wilson	10	9	11	10	11	16	16	11	12	12	11	14	14	15	16	15	18	19	21	21	20	23	22
Yadkin	5	5	6	6	7	6	6	4	4	4	5	6	6	7	7	8	9	11	11	14	15	16	17
Yancey	1	-	-	1	1	2	2	1	2	3	3	3	3	4	4	4	3	5	3	5	3	5	6
State Total	1,368	1,456	1,525	1,565	1,595	1,710	1,710	1,848	2,023	2,139	2,190	2,372	2,545	2,998	2,704	2,838	2,974	3,079	3,231	3,394	3,483	3,669	4,397
State Total per 10,000 Population	2.35	2.48	2.56	2.60	2.62	2.77	2.77	2.92	3.16	3.30	3.33	3.58	3.75	3.48	3.84	3.95	4.05	4.11	4.23	4.35	4.39	4.56	5.08

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

Dentists, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
Alamance	43	43	41	42	43	46		50	49	48	48	49	49	53	53	56	59	55	58	56	57	55	60	58	56	58	59	
Alexander	6	6	5	4	4	4		5	5	5	5	5	5	5	5	5	5	5	6	5	5	6	6	7	8	7	6	
Alleghany	1	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	
Anson	2	3	4	4	3	3		3	4	4	4	5	3	3	3	4	4	4	4	4	4	2	2	3	4	5	4	
Ashe	3	3	3	3	3	3		3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	
Avery	5	5	5	5	6	5		6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	4	4	5	6	6	
Beaufort	14	14	15	15	14	15		17	14	13	14	13	14	16	15	16	15	15	13	13	13	14	15	14	13	13	16	
Bertie	1	1	1	1	1	2		2	4	3	3	3	4	3	1	1	1	1	2	1	1	2	1	1	1	2	1	
Bladen	5	6	6	6	6	6		6	5	5	6	5	5	5	5	5	4	4	5	4	5	5	5	5	5	5	5	
Brunswick	8	8	8	8	8	8		11	9	10	11	15	15	14	14	15	16	17	17	19	17	18	18	18	19	24	26	
Buncombe	91	92	91	93	92	88		95	93	92	94	94	95	98	101	102	101	97	95	101	108	118	119	121	127	131	143	
Burke	27	27	27	29	28	29		27	27	27	25	26	25	25	23	23	22	23	25	24	26	26	25	30	30	32	36	
Cabarrus	28	26	25	26	31	32		30	30	27	30	32	30	32	30	32	33	30	29	31	34	36	37	42	39	46	45	
Caldwell	16	16	17	18	19	19		20	17	18	17	17	16	16	19	18	19	18	18	19	18	20	19	19	20	21	22	
Camden	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Carteret	14	14	16	15	13	14		14	17	16	17	17	19	20	18	20	21	24	22	23	25	27	27	30	34	38	35	
Caswell	3	3	3	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	4	4	3	
Catawba	43	44	44	48	51	50		50	53	54	57	55	53	52	57	52	54	46	52	55	60	59	59	60	63	66	66	
Chatham	9	10	9	10	12	9		10	10	10	10	8	7	7	7	9	10	10	9	9	10	10	9	10	8	10	14	
Cherokee	6	6	6	6	6	6		6	6	8	7	7	7	8	7	7	7	7	6	6	7	8	9	11	10	9	10	
Chowan	5	6	5	5	4	5		5	5	5	5	5	5	5	6	5	5	5	4	4	4	3	3	3	3	3	4	
Clay	1	1	1	1	1	2		2	2	1	1	1	1	2	1	1	1	1	1	2	2	2	3	3	3	3	4	
Cleveland	26	27	27	30	31	29		31	29	30	31	33	32	32	31	33	29	28	32	36	36	36	36	36	33	33	31	
Columbus	10	9	10	9	9	10		9	13	12	12	13	13	13	13	14	13	12	13	12	11	11	9	10	11	10	11	
Craven	29	30	32	33	30	30		34	31	30	31	33	33	34	38	40	39	39	39	43	43	45	41	44	41	36	41	
Cumberland	63	65	68	71	68	73		72	67	69	71	65	69	79	78	91	95	93	109	110	105	100	103	110	105	112	119	
Currituck	-	1	2	2	2	2		2	3	4	4	3	3	3	3	3	3	3	2	1	1	1	1	2	2	4	5	
Dare	5	4	4	5	5	7		11	10	10	11	11	12	12	11	11	12	12	12	12	12	13	15	16	19	19	20	
Davidson	21	22	21	22	23	25		24	25	24	23	22	23	23	23	23	25	23	23	23	23	26	26	27	28	29	27	
Davie	7	9	8	9	9	8		8	9	9	7	7	7	9	8	8	8	9	8	8	8	7	7	11	12	9	10	12
Duplin	9	10	11	11	11	10		11	11	11	11	11	9	8	8	8	8	9	9	9	9	8	9	10	10	11	12	
Durham	81	81	88	89	88	92		97	108	105	104	110	109	111	112	116	120	113	112	122	129	127	143	140	143	148	159	
Edgecombe	13	11	11	11	20	20		21	21	15	15	13	11	10	9	14	11	11	9	10	11	12	9	10	8	7	8	
Forsyth	150	152	159	161	163	166		160	166	159	157	151	151	153	152	157	158	163	163	164	163	166	170	176	187	191	187	
Franklin	5	7	6	5	7	8		7	7	6	6	6	6	5	6	7	7	8	10	8	8	5	5	7	4	6	6	
Gaston	50	52	55	54	60	63		64	63	61	58	59	63	65	63	62	64	66	64	62	63	67	63	69	66	74	78	
Gates	1	1	2	1	1	1		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
Graham	2	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	
Granville	12	12	15	13	15	17		14	14	14	16	15	16	15	16	16	16	15	16	18	16	18	11	17	14	14	15	
Greene	2	2	1	1	2	3		4	4	4	4	4	4	5	5	5	5	4	5	5	4	3	3	4	4	5	5	
Guilford	152	161	164	167	167	174		183	187	187	188	190	196	198	201	197	201	201	218	216	211	216	221	231	229	236	236	
Halifax	11	11	12	13	14	14		13	14	14	13	12	11	11	11	12	10	10	10	12	11	12	11	11	10	11	13	
Harnett	14	13	13	12	13	14		14	13	13	15	14	13	13	13	13	11	14	16	14	15	16	16	12	19	21	20	
Haywood	19	19	21	24	22	22		24	23	23	22	21	21	17	19	22	21	19	21	21	22	20	21	21	21	23	22	
Henderson	27	26	28	29	29	32		33	33	31	32	30	29	30	30	34	35	38	37	37	39	35	38	37	39	45	43	
Hertford	8	9	8	8	9	9		10	9	9	8	8	8	8	8	8	8	8	8	8	8	7	8	8	8	11	10	
Hoke	4	3	3	3	3	3		5	5	5	6	5	4	5	6	5	5	4	4	5	5	6	4	5	6	6	5	
Hyde	1	1	1	1	1	1		1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Iredell	27	28	29	30	29	30		31	33	33	33	32	32	34	37	37	42	41	48	48	50	54	61	61	61	65	60	
Jackson	9	10	10	10	9	12		13	12	13	12	13	12	12	11	12	12	13	13	13	13	14	12	15	11	11	16	

Note: Includes active, instate dentists licensed as of October 31 of the respective year.

*No data available for 1985.

Licensed Practical Nurses, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alamance	237	237	243	241	258	242	240	230	232	244	236	265	238	254	263	269	274	227	208	210	217	213	212	226	206	193	186
Alexander	32	30	29	27	26	24	23	20	32	41	37	37	39	38	43	41	37	37	28	31	33	30	43	35	35	29	28
Alleghany	18	14	14	12	10	14	11	12	19	21	23	31	25	20	21	22	28	26	22	28	27	23	22	26	23	29	14
Anson	73	70	74	72	75	79	75	73	77	72	66	74	76	73	72	85	104	104	96	87	85	77	60	68	69	75	72
Ashe	40	39	33	33	33	35	31	34	27	29	26	39	54	53	57	66	67	70	68	64	65	60	72	58	58	48	43
Avery	48	40	43	45	53	60	64	63	63	69	70	83	85	88	93	91	78	73	73	67	74	69	78	68	52	50	49
Beaufort	98	102	108	94	94	100	97	83	85	93	88	92	89	94	99	108	118	98	102	105	109	122	100	91	95	100	97
Bertie	19	21	24	27	21	20	20	18	17	14	8	22	12	20	33	42	40	34	39	37	40	36	47	39	44	49	49
Bladen	18	18	22	18	22	24	26	26	26	29	29	38	37	40	40	50	70	74	82	76	77	83	75	78	77	83	85
Brunswick	33	29	31	32	34	44	52	51	50	60	71	83	91	111	108	136	157	153	162	165	174	179	188	193	208	209	209
Buncombe	509	527	563	577	625	614	617	632	642	656	685	729	708	697	731	767	765	749	783	785	773	739	753	729	719	710	714
Burke	80	95	114	117	157	171	193	180	174	173	182	200	198	184	192	197	196	196	195	188	181	167	171	151	151	156	151
Cabarrus	138	135	136	136	135	120	121	126	126	116	115	141	135	142	148	147	154	162	182	184	180	182	218	192	195	195	197
Caldwell	109	99	107	102	109	109	105	110	102	112	117	129	116	116	107	109	120	97	104	109	108	122	124	99	101	89	94
Camden	2	6	3	2	2	1	2	1	1	2	5	5	2	2	2	2	4	4	4	10	7	5	6	8	3	3	9
Carteret	110	112	123	123	128	131	142	144	147	145	149	154	140	142	146	146	148	147	155	160	163	164	176	172	179	183	190
Caswell	2	5	5	5	4	2	5	6	9	15	21	21	22	22	24	30	32	37	33	27	31	36	42	39	36	41	19
Catawba	249	257	263	270	276	253	239	232	226	230	238	233	245	249	254	247	248	234	259	253	242	232	224	260	273	281	286
Chatham	35	43	45	41	45	44	54	49	47	47	51	64	57	53	54	82	96	99	103	99	86	87	90	83	89	85	82
Cherokee	37	42	44	42	61	65	64	66	64	66	64	69	78	84	85	98	109	112	118	104	102	103	109	101	90	80	73
Chowan	40	48	55	57	59	62	65	68	63	58	62	68	68	63	66	66	63	66	68	65	60	54	47	49	46	49	56
Clay	12	9	8	10	9	8	7	6	6	7	6	10	4	6	7	27	34	31	32	31	32	29	31	21	23	31	26
Cleveland	271	267	264	277	271	271	260	255	259	255	251	266	264	261	270	281	272	261	249	235	250	259	256	241	247	259	282
Columbus	51	63	68	81	85	80	88	91	97	97	105	133	124	129	129	140	145	138	150	144	145	147	127	136	135	135	145
Craven	174	181	193	190	209	213	210	211	212	234	253	285	241	242	250	239	255	269	284	266	271	262	272	249	248	245	247
Cumberland	337	357	384	394	432	461	481	502	521	577	629	706	726	775	783	834	957	996	999	950	898	893	926	867	877	857	886
Currituck	1	5	6	2	2	3	3	6	3	5	10	17	22	23	18	19	20	24	24	24	31	28	25	29	21	24	42
Dare	1	4	6	8	8	13	21	20	24	21	25	29	35	30	29	35	34	34	34	41	45	50	49	38	39	44	47
Davidson	107	109	120	114	119	128	136	140	139	138	133	149	146	159	169	188	183	172	183	181	176	194	185	170	162	156	162
Davie	50	45	47	44	47	48	51	49	48	51	47	48	46	52	47	48	47	55	51	57	64	62	76	48	46	53	53
Duplin	55	50	53	49	52	46	45	41	41	48	51	57	54	61	75	82	96	92	83	77	81	88	96	86	85	83	91
Durham	1,132	1,087	1,110	1,166	1,170	1,090	1,057	1,031	1,000	970	1,003	1,032	1,023	996	1,020	945	885	789	789	758	738	714	681	633	651	640	639
Edgecombe	127	86	88	85	90	93	82	71	70	76	86	109	103	104	109	103	113	119	111	114	104	99	91	86	94	89	88
Forsyth	823	825	873	920	939	934	945	930	966	1,011	1,038	1,146	1,178	1,205	1,203	1,190	1,161	1,116	1,105	1,130	1,152	1,118	1,153	1,101	1,106	1,087	1,027
Franklin	34	47	46	43	42	40	36	34	36	38	41	46	48	58	52	62	64	65	68	66	65	65	80	57	60	68	59
Gaston	190	209	220	231	235	249	257	241	249	266	269	288	245	251	261	275	312	306	313	332	330	319	309	319	317	322	346
Gates	3	3	4	6	6	6	7	7	6	5	6	6	4	9	12	12	15	17	11	18	25	24	25	20	21	21	23
Graham	2	1	3	3	2	2	2	3	4	3	2	4	2	6	11	12	15	14	14	14	8	18	10	15	13	12	16
Granville	126	133	162	175	236	283	298	276	257	254	233	253	256	252	246	231	224	213	205	196	188	204	190	198	195	208	204
Greene	12	14	14	15	15	19	21	21	20	22	25	25	25	25	28	23	26	30	37	42	44	39	39	40	38	37	38
Guilford	537	550	580	571	604	611	597	581	562	570	599	676	644	663	699	731	740	692	728	761	741	756	710	716	692	683	706
Halifax	132	123	123	115	122	131	131	126	126	135	150	183	168	162	161	152	153	148	147	154	153	150	153	140	122	118	109
Hamett	110	106	105	118	124	122	121	114	125	125	119	130	127	135	161	177	172	170	177	188	207	188	163	159	155	163	157
Haywood	185	175	177	189	179	173	173	161	178	177	182	182	171	167	175	187	191	186	190	171	167	161	155	154	147	138	135
Henderson	105	114	129	122	153	153	159	164	170	185	164	180	190	217	213	199	210	216	224	203	207	215	255	226	234	234	216
Hertford	80	86	96	100	94	92	91	89	89	96	96	103	89	91	83	80	100	88	83	78	86	85	69	73	78	81	81
Hoke	41	33	36	33	33	28	28	22	25	33	33	41	34	41	40	41	55	64	73	69	78	95	72	78	78	69	83
Hyde	2	3	2	1	1	1	2	2	2	2	2	1	1	2	5	4	4	6	4	5	6	4	6	7	6	4	7
Iredell	148	165	176	179	175	168	158	147	130	138	160	170	165	183	191	183	178	169	177	189	197	203	204	179	184	191	205
Jackson	57	65	62	69	68	67	56	59	62	69	62	64	80	85	72	70	74	70	77	69	68	73	67	64	61	58	62

Note: Includes active, instate LPNs licensed as of October 31 of the respective year.

Johnston	139	146	149	140	129	114	117	106	112	128	131	138	123	128	136	149	166	148	166	162	163	160	185	175	177	186	189			
Jones	3	3	4	1	2	2	2	2	2	2	5	8	6	8	11	20	23	25	23	22	18	19	32	27	19	18	23			
Lee	129	146	134	133	122	118	117	111	110	117	124	153	166	177	169	161	178	157	166	171	154	143	145	140	131	135	141			
Lenoir	177	191	203	214	226	245	255	236	231	242	251	273	267	275	279	274	262	228	217	212	216	210	209	206	195	202	213			
Lincoln	72	77	77	82	90	84	64	56	57	55	60	65	63	66	78	77	78	78	82	84	68	71	79	75	77	79	79			
McDowell	38	48	48	49	44	43	49	58	67	74	79	99	89	90	94	97	102	94	106	123	114	128	138	133	127	121	125			
Macon	43	39	42	45	48	50	40	48	44	46	44	40	44	44	46	59	61	60	69	72	76	79	86	81	83	91	70	66	67	64
Madison	5	7	7	12	14	19	22	22	24	22	26	21	24	27	29	33	34	40	42	41	41	44	49	35	40	47	41			
Martin	39	37	37	40	42	39	35	33	33	40	43	38	29	31	35	41	50	41	44	45	38	36	41	43	42	48	46			
Mecklenburg	722	703	732	754	797	798	793	779	815	867	916	947	1,003	1,064	1,102	1,051	1,060	1,070	1,090	1,100	1,118	1,114	1,206	1,091	1,108	1,107	1,141			
Mitchell	28	31	32	40	40	38	45	53	54	49	55	67	62	68	67	65	57	56	45	45	49	52	50	48	44	50	48			
Montgomery	43	46	50	47	45	47	44	40	36	41	43	47	46	39	45	62	77	80	74	84	88	85	79	75	84	82	70			
Moore	137	123	133	148	162	163	158	158	164	172	170	174	182	193	192	203	230	229	253	252	253	258	281	257	259	256	252			
Nash	75	112	123	146	158	165	184	171	152	150	149	190	152	158	164	160	188	200	212	230	214	201	200	187	215	221	212			
New Hanover	230	250	257	266	276	282	293	296	306	332	362	368	385	367	362	370	385	386	402	431	451	457	472	464	507	500	516			
Northampton	20	24	21	27	30	28	22	22	25	20	19	28	25	34	39	37	48	45	48	43	49	48	41	45	49	51	50			
Onslow	171	170	178	202	223	234	237	242	250	255	280	302	300	300	288	313	316	317	310	304	284	309	230	242	246	246	245			
Orange	270	252	246	252	263	268	266	266	260	263	244	248	257	264	256	255	243	217	217	200	195	189	163	148	142	146	164			
Pamlico	3	3	2	3	2	2	1	5	5	4	7	11	14	16	14	13	14	15	13	11	15	15	22	20	17	12	10			
Pasquotank	142	120	119	129	128	137	139	133	136	138	131	132	129	120	117	122	126	115	119	122	136	134	138	143	140	139	138			
Pender	21	22	26	26	24	22	21	20	24	22	21	33	35	38	46	52	56	55	68	66	57	58	73	74	77	81	80			
Perquimans	2	4	4	2	2	2	1	3	3	6	14	15	15	13	12	18	23	17	17	17	15	15	27	22	27	26	22			
Person	54	56	52	50	51	59	58	56	58	58	61	61	62	57	51	52	65	71	75	65	68	71	79	62	64	53	35			
Pitt	143	147	179	203	207	203	194	199	206	231	254	293	272	261	275	306	330	286	289	294	277	257	253	262	271	262	256			
Polk	40	39	35	28	38	38	35	39	40	45	47	50	44	44	51	51	49	43	50	57	54	58	66	52	52	59	59			
Randolph	119	118	119	140	151	153	169	185	177	178	192	189	163	161	166	164	184	188	180	169	174	172	195	165	165	169	175			
Richmond	75	74	70	77	88	84	83	76	74	82	89	105	112	116	126	146	165	151	148	143	123	120	120	107	105	96	94			
Robeson	126	135	148	138	138	158	155	148	146	148	151	180	167	172	191	208	215	218	218	234	255	275	235	253	249	255	258			
Rockingham	41	51	63	66	75	76	69	68	69	82	81	96	88	106	113	128	147	154	163	184	202	181	192	183	190	181	153			
Rowan	168	174	183	197	219	223	220	234	238	256	272	286	275	288	299	316	342	353	327	299	300	304	295	270	271	278	297			
Rutherford	76	75	91	106	106	105	108	101	100	101	107	123	123	133	140	147	161	155	158	160	175	182	160	179	199	188	188			
Sampson	52	54	56	58	52	48	45	51	55	51	55	58	59	59	73	81	89	96	118	127	128	123	125	135	152	150	146			
Scotland	87	91	97	108	111	108	106	97	90	93	101	105	105	109	116	127	131	121	126	109	112	113	90	111	107	102	108			
Stanly	80	73	75	76	79	83	85	83	86	92	93	95	100	105	110	131	136	137	153	137	148	149	144	158	155	150	142			
Stokes	32	30	27	30	34	37	31	42	38	35	34	40	43	48	51	58	73	81	90	88	88	81	88	70	71	74	81			
Surry	68	66	65	55	69	74	76	72	79	83	93	104	100	116	122	135	142	154	161	159	172	184	188	182	183	183	163			
Swain	30	38	40	39	41	47	50	41	38	39	43	42	38	37	35	40	44	41	45	38	34	30	24	31	26	34	33			
Transylvania	35	33	38	41	42	46	45	49	48	48	60	61	73	65	63	63	58	62	60	57	66	73	66	64	54	56	47	45		
Tyrrell	3	1	1	1	1	1	1	1	3	1	1	2	1	3	3	3	2	3	2	3	4	5	4	5	2	2	2			
Union	78	82	86	79	78	84	92	95	101	112	120	134	119	125	127	125	144	146	153	149	145	150	171	152	152	157	168			
Vance	93	92	89	92	96	100	94	87	94	92	89	99	102	104	109	106	104	95	96	88	95	103	104	88	100	97	85			
Wake	606	660	702	680	686	686	723	730	743	768	809	837	838	860	903	917	944	910	905	924	920	949	1,002	945	956	966	1,014			
Warren	18	21	19	16	15	16	26	24	22	24	30	27	23	19	25	32	39	38	39	47	39	44	45	35	34	36	26			
Washington	14	15	11	12	10	10	11	9	9	13	16	21	20	20	25	31	31	32	38	33	31	33	34	34	34	33	28			
Watauga	81	78	86	100	92	93	108	108	116	111	120	123	105	111	116	123	134	112	109	113	112	106	99	102	71	63	56			
Wayne	386	387	397	382	388	396	386	370	346	328	319	336	330	331	337	341	352	357	355	329	318	287	298	304	294	262	262			
Wilkes	75	81	82	96	111	124	113	109	111	105	97	101	101	103	113	125	126	115	110	105	100	97	112	91	83	75	76			
Wilson	180	200	199	221	232	221	206	175	179	174	175	190	167	165	160	182	196	168	165	178	162	151	150	146	158	171	180			
Yadkin	36	37	38	38	39	38	36	36	37	37	41	42	40	38	37	35	37	47	53	54	52	51	75	48	49	47	38			
Yancey	16	18	13	16	15	16	16	16	16	16	20	22	24	24	32	33	39	38	43	44	46	39	45	38	38	35	38			
State Total	12,153	12,364	12,919	13,286	13,880	13,974	14,015	13,772	13,895	14,361	14,878	16,148	15,845	16,249	16,719	17,215	17,931	17,414	17,740	17,665	17,643	17,545	17,797	16,887	16,946	16,918	16,960			
State Total per 10,000 Population	20.89	21.03	21.69	22.08	22.84	22.67	22.41	21.78	21.69	22.15	22.65	24.35	23.37	23.57	23.76	23.97	24.44	23.25	23.20	22.65	22.23	21.80	21.74	20.26	19.97	19.76	19.58			

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

Nurse Practitioners, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alamance	2	2	5	6	5	3	4	4	4	5	4	3	4	4	5	6	8	7	14	15	14	19	18	22	21	26	26
Alexander	1	1	1	2	2	1	1	-	1	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Alleghany	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	2	3	3	2	2	2	1
Anson	-	-	-	-	-	-	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	4
Ashe	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	4	3	3	4	5	4
Avery	3	4	4	2	2	2	2	1	1	2	3	5	6	6	8	8	8	11	8	7	2	5	7	7	5	5	5
Beaufort	4	4	3	3	4	4	4	4	4	4	4	4	5	5	6	6	7	7	4	7	7	7	8	7	9	9	7
Bertie	-	-	-	1	1	1	1	1	1	1	1	-	-	-	-	-	-	1	2	2	1	3	3	2	1	1	3
Bladen	3	4	4	2	2	1	2	1	1	1	1	1	2	2	2	1	4	5	7	7	7	6	6	6	7	5	4
Brunswick	2	2	1	1	1	1	1	1	1	2	2	2	2	2	4	4	4	4	3	3	4	8	8	11	8	8	14
Buncombe	8	8	12	16	20	20	24	26	35	34	31	32	30	32	33	33	36	34	49	56	65	75	78	78	94	92	102
Burke	4	4	4	4	5	7	7	6	6	8	8	7	8	8	7	7	6	6	11	11	11	10	11	14	15	16	21
Cabarrus	3	3	2	2	2	2	3	2	2	2	1	1	1	1	5	8	12	12	15	19	26	27	29	36	34	38	39
Caldwell	5	6	5	5	5	5	6	5	5	5	5	5	4	3	3	5	4	5	5	6	10	11	11	12	13	14	9
Camden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Carteret	3	4	6	5	5	5	5	5	5	6	6	5	4	3	4	3	5	8	5	7	8	14	18	13	20	19	21
Caswell	3	4	3	4	4	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	3	4	4	5	5	5	3
Catawba	-	-	1	2	1	3	2	2	3	2	3	4	6	5	10	9	10	17	19	25	31	36	45	52	56	55	59
Chatham	14	12	12	13	10	7	7	5	6	8	6	6	5	4	9	10	11	11	9	12	11	12	14	17	19	18	12
Cherokee	-	-	-	-	-	-	1	-	-	-	-	1	1	2	1	2	3	2	3	6	4	6	5	6	5	6	4
Chowan	-	-	-	-	-	-	-	-	-	-	-	2	2	2	1	1	2	3	2	2	2	1	2	2	3	4	3
Clay	1	-	-	-	-	-	-	-	1	-	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	4
Cleveland	1	2	3	3	4	3	3	3	2	2	2	2	2	2	3	4	4	4	7	13	12	17	18	18	19	23	28
Columbus	4	4	4	7	7	7	6	5	6	6	6	6	8	8	7	6	8	9	9	11	10	9	13	14	14	16	15
Craven	2	5	6	5	7	6	8	8	8	7	7	6	6	6	4	4	6	5	9	11	15	17	23	26	28	25	
Cumberland	8	6	9	8	9	9	8	8	12	14	14	15	13	13	19	16	22	24	32	43	50	61	66	68	72	69	77
Currituck	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3	3	2	3	2
Dare	1	2	3	2	3	3	4	5	4	5	6	6	4	2	3	3	3	5	7	8	8	7	8	11	10	9	13
Davidson	1	3	2	2	3	3	3	3	4	3	3	3	4	4	4	4	7	8	6	10	11	13	13	15	17	17	18
Davie	2	1	1	1	-	-	-	1	-	-	-	2	2	2	2	4	5	4	4	5	3	5	5	4	4	5	4
Duplin	3	6	7	8	7	6	7	4	4	4	5	5	2	2	2	2	2	2	4	5	4	3	5	5	6	6	15
Durham	12	9	14	19	17	19	18	20	24	27	31	35	40	44	58	52	59	64	101	123	129	159	183	189	189	210	235
Edgecombe	9	8	8	6	6	6	7	8	5	2	1	2	1	1	2	2	2	3	4	3	6	9	7	6	6	5	7
Forsyth	8	12	11	15	14	12	13	12	14	16	16	15	16	21	22	25	27	34	48	62	70	81	88	88	97	113	141
Franklin	-	1	2	2	2	2	3	3	1	2	3	2	1	1	2	3	3	4	3	4	2	1	3	3	3	3	3
Gaston	2	2	6	5	4	3	3	6	5	5	6	6	7	9	10	9	10	15	19	19	22	27	37	36	36	39	39
Gates	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	2	1	1	1	2	-	-	1	1	1	1	-
Graham	1	1	-	1	-	-	-	2	1	2	1	1	1	1	1	-	-	1	1	1	1	2	2	2	1	1	2
Granville	5	4	5	6	5	5	6	7	7	5	4	4	5	5	4	3	2	1	4	5	5	10	9	11	9	9	10
Greene	1	2	4	3	3	2	2	1	1	2	1	1	-	-	2	3	3	4	2	4	4	1	2	3	6	5	4
Guilford	17	20	24	28	33	35	37	34	35	35	43	48	46	48	53	52	55	62	77	83	91	101	119	131	131	137	148
Halifax	-	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	6	8	6	6	8	8	6	6	9	9	7
Harnett	2	2	4	5	4	4	3	1	1	2	1	-	2	2	2	1	3	2	5	7	6	7	6	6	7	7	5
Haywood	2	3	3	3	3	2	2	1	1	1	1	2	3	3	3	3	5	5	3	5	7	11	11	12	13	14	10
Henderson	4	4	6	7	9	10	11	9	9	10	9	9	10	13	14	12	14	16	15	17	19	19	17	19	26	30	34
Hertford	4	4	4	4	4	4	4	4	4	4	3	3	3	3	2	3	5	4	5	5	7	7	7	8	9	10	6
Hoke	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	1	1	1	2	2	1	2	2	3	3	5
Hyde	-	1	1	-	1	1	1	1	1	-	-	-	-	-	-	1	1	1	1	-	-	2	1	-	1	-	4
Iredell	-	2	2	2	2	1	2	1	2	2	3	2	4	6	8	7	8	8	7	10	12	14	15	24	24	26	32
Jackson	-	2	2	1	2	2	2	2	2	2	1	1	2	2	4	4	3	6	8	10	12	13	15	14	13	14	15

Note: Includes active, in-state NPs licensed as of October 31 of the respective year.

Johnston	4	4	4	4	4	4	4	3	4	3	3	2	2	2	5	6	7	5	10	11	11	18	18	21	23	24	17	
Jones	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	4	3	1	-	3	
Lee	-	-	1	1	1	1	1	2	2	1	1	1	1	1	4	3	5	6	6	6	5	6	8	9	8	10	14	
Lenoir	3	3	4	4	4	5	6	6	7	7	5	5	6	6	7	6	8	6	7	10	12	10	9	6	8	10	7	
Lincoln	-	-	1	-	1	1	1	1	1	1	-	-	-	-	1	1	1	1	-	1	2	2	1	2	3	1	5	
McDowell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	2	5	8	7	5	6	8	8	11	
Macon	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2	3	2	2	3	4	
Madison	1	3	3	3	3	2	3	4	4	4	4	4	3	3	3	4	4	3	3	3	3	3	3	3	3	2	3	
Martin	2	1	1	-	-	1	2	2	2	2	1	1	-	-	1	1	2	2	3	1	1	1	1	-	-	-	2	
Mecklenburg	4	10	8	13	14	14	17	22	24	30	34	48	54	49	55	62	60	70	91	119	122	136	161	178	197	224	243	
Mitchell	2	1	1	1	-	-	-	-	-	-	1	2	2	2	1	1	1	1	3	3	4	5	6	6	7	7	6	
Montgomery	-	-	-	-	-	1	1	1	1	1	2	2	4	2	4	4	5	4	2	4	5	4	5	4	3	4	3	
Moore	3	3	3	2	3	4	3	3	3	3	3	3	3	3	3	4	10	12	11	15	15	15	17	16	19	24	26	
Nash	4	6	5	5	5	5	5	6	5	7	6	5	6	7	7	7	6	7	13	17	18	16	17	18	18	19	14	
New Hanover	12	12	15	16	16	16	18	14	13	14	13	14	18	22	24	26	27	27	37	41	48	58	66	71	75	78	91	
Northampton	-	1	2	2	1	-	-	-	-	-	-	-	-	-	2	1	2	2	2	3	3	3	3	2	3	3	3	
Onslow	3	3	5	5	4	3	3	3	6	7	5	5	7	6	5	3	5	13	8	11	13	15	21	24	25	30	34	
Orange	11	19	25	23	27	34	40	35	37	34	32	34	35	43	49	49	57	68	65	72	90	89	102	110	116	114		
Pamlico	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	1	2	2	3	2	4	3	3	
Pasquotank	5	5	3	4	4	4	4	3	3	3	2	3	2	3	4	3	4	3	6	6	7	7	9	13	15	13	10	
Pender	1	4	2	2	4	4	3	3	3	3	3	1	2	2	6	6	7	6	5	6	6	11	9	9	12	11	9	
Perquimans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	1	1
Person	1	1	1	1	1	1	1	1	1	1	1	-	-	-	1	-	2	3	3	2	1	2	2	3	3	2	4	
Pitt	8	12	13	12	18	16	16	19	23	22	32	37	33	35	29	32	36	38	42	49	52	65	67	74	82	89	100	
Polk	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	3	4	3	4	3	4	5	5	6	6	8	
Randolph	2	-	1	1	1	1	1	2	2	2	3	2	3	2	5	5	6	8	5	4	7	11	11	13	12	13	13	
Richmond	3	3	3	4	4	4	3	3	3	2	3	2	2	3	2	2	3	3	9	9	9	8	11	13	14	14	10	
Robeson	2	4	4	4	3	3	3	2	2	2	2	2	5	5	6	5	6	10	14	13	16	22	22	23	25	24		
Rockingham	4	6	6	6	6	6	6	5	5	5	5	6	6	6	6	7	8	10	12	12	12	13	12	14	15	13		
Rowan	2	2	3	3	4	5	5	4	3	3	4	4	4	4	5	5	7	10	7	8	11	14	17	22	23	26	21	
Rutherford	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	2	4	2	4	6	7	9	7	7	
Sampson	2	5	4	6	9	5	4	4	4	4	5	7	4	4	5	3	5	9	8	7	8	6	10	11	10	13	10	
Scotland	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	4	4	5	7	5	3	2	5	
Stanly	3	3	6	6	6	6	6	6	7	6	5	4	3	4	5	5	7	5	7	7	8	7	12	10	10	16		
Stokes	-	1	-	-	1	1	2	3	2	3	2	1	2	1	4	4	4	2	3	3	2	2	1	2	2	2	5	
Surry	3	3	3	1	2	3	2	3	3	3	4	3	3	3	4	5	6	12	14	13	16	15	14	16	16	17	18	
Swain	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	4	4	4	2	4	5	5	4	4	3	
Transylvania	-	1	1	1	1	1	1	1	1	1	2	2	1	1	3	3	3	4	3	2	2	2	2	1	1	1	2	
Tyrrell	-	-	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	
Union	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	3	4	5	5	5	6	14	
Vance	2	3	3	3	3	4	3	4	4	3	3	2	-	-	1	1	1	2	4	4	6	6	6	8	7	8	11	
Wake	22	25	24	26	30	33	40	41	44	41	43	46	45	46	58	60	71	79	101	109	112	132	141	156	167	178	199	
Warren	2	3	2	1	1	-	-	1	1	1	-	-	-	-	1	1	1	1	3	3	3	3	1	2	3	2	1	
Washington	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	
Watauga	1	1	-	1	1	1	-	-	-	-	-	1	1	2	2	-	2	2	5	10	8	9	10	11	13	15	15	
Wayne	1	-	2	2	2	2	1	2	2	4	4	3	5	6	7	8	9	8	10	18	21	18	24	26	25	23	23	
Wilkes	6	6	6	6	7	6	6	5	5	4	3	3	4	5	5	4	5	6	8	8	9	11	9	11	12	14	12	
Wilson	4	6	5	3	3	2	2	2	2	3	3	3	3	3	4	4	4	4	6	8	8	12	14	16	15	16	17	
Yadkin	1	1	3	1	1	1	1	1	1	1	2	2	1	1	-	-	-	-	4	4	5	5	6	8	8	6	5	
Yancey	3	3	4	4	3	3	3	3	2	2	3	5	3	3	7	4	4	4	4	6	6	5	5	7	8	7	8	
State Total	279	339	382	397	423	421	453	443	471	485	497	528	545	578	690	694	803	910	1,108	1,321	1,425	1,656	1,845	1,992	2,122	2,256	2,440	
State Total per 10,000 Population	0.48	0.58	0.64	0.66	0.70	0.68	0.72	0.70	0.74	0.75	0.76	0.80	0.80	0.84	0.98	0.97	1.09	1.21	1.45	1.69	1.80	2.06	2.25	2.39	2.50	2.63	2.82	

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

Optometrists, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
Alamance	10	11	12	12	13	14	15	15	17	17	14	15	16	16	15	16	19	20	20	19	19	18	17	17	17	15	16	
Alexander	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	1	1	1	1	1	
Alleghany	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	
Anson	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	3	3	3	2	2	2	1	1	1	1	1	1	
Ashe	1	2	2	2	2	2	3	3	4	3	3	3	3	3	3	3	2	4	4	3	3	2	3	3	3	3	3	
Avery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	1	
Beaufort	2	2	2	2	2	2	2	3	3	3	3	3	2	5	5	5	5	5	5	6	7	8	7	7	7	7	7	
Bertie	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Bladen	1	1	1	1	2	2	3	2	2	2	2	2	2	3	2	3	2	3	2	2	2	2	2	2	2	2	2	
Brunswick	2	2	2	2	2	2	2	2	1	1	1	3	3	6	3	3	3	4	4	4	4	5	5	6	8	7	9	
Buncombe	12	12	12	13	13	13	14	13	13	13	15	13	16	16	17	17	18	19	22	25	23	26	28	29	30	29	26	
Burke	3	3	5	5	5	6	5	4	4	4	4	5	5	6	6	7	7	7	4	4	4	4	4	4	4	4	3	
Cabarrus	8	8	9	9	11	9	10	7	7	7	8	7	7	7	7	8	9	7	9	9	8	11	12	13	12	14	16	
Caldwell	4	3	4	3	3	4	5	5	5	5	4	4	3	3	2	2	2	4	4	4	4	4	3	4	4	4	5	
Camden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Carteret	2	2	2	3	3	2	2	2	3	5	5	5	7	6	7	7	6	7	7	8	7	9	8	8	9	9	6	
Caswell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1	1	2	2	1	1	
Catawba	13	12	13	12	10	13	13	14	15	16	20	20	20	19	18	18	18	16	17	19	20	20	18	18	18	17	15	
Chatham	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	5	5	5	5	4	3	
Cherokee	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	5	5	5	5	6	6	6	5	5	5	
Chowan	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Clay	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	
Cleveland	4	5	5	8	12	11	10	10	10	9	10	9	9	13	13	13	14	12	10	9	9	11	11	10	10	10	10	
Columbus	3	3	4	4	3	3	3	3	3	3	3	4	3	4	4	4	4	4	4	4	4	3	3	4	4	4	3	
Craven	4	4	6	6	6	6	6	7	7	8	7	7	7	8	11	11	9	11	11	11	12	11	13	12	12	13	13	
Cumberland	7	6	6	9	12	13	13	14	17	18	17	18	13	16	20	20	21	21	24	26	26	26	22	26	29	29	28	
Currituck	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	
Dare	2	1	1	1	2	1	1	2	2	3	3	2	3	3	3	3	3	5	5	6	6	4	3	4	5	4	4	
Davidson	8	11	11	11	10	11	11	10	9	11	11	11	10	10	10	9	10	10	10	10	10	11	13	14	14	15	12	
Davie	1	1	1	1	1	1	3	2	2	2	2	2	2	2	2	2	2	2	3	3	4	3	3	3	3	3	6	
Duplin	3	3	3	3	3	3	4	4	4	4	5	4	4	4	4	4	5	6	5	6	7	6	6	7	6	7	7	
Durham	6	8	10	11	13	12	13	14	15	14	13	11	12	13	15	17	17	20	19	18	20	17	19	20	18	21	25	
Edgecombe	2	2	2	3	3	3	2	3	13	12	15	6	3	2	2	2	3	2	2	2	2	3	4	4	4	4	4	
Forsyth	19	18	19	18	24	25	28	32	34	34	36	37	36	37	36	39	36	36	37	37	40	38	39	40	43	39	44	
Franklin	1	1	1	1	1	2	3	2	1	3	2	3	3	2	4	6	4	3	3	4	4	3	2	2	2	2	3	
Gaston	14	14	16	16	14	18	19	18	18	19	20	21	19	18	23	21	21	21	21	21	22	23	23	24	23	22	25	
Gates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Graham	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	-	
Granville	2	2	2	2	2	3	3	5	5	6	6	6	5	4	4	4	3	3	3	3	4	4	4	3	3	3	4	
Greene	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Guilford	21	24	27	27	29	28	30	31	33	35	33	30	31	33	36	34	34	38	38	41	41	42	45	45	46	52	46	
Halifax	3	3	3	3	3	3	5	5	5	4	5	5	5	5	6	6	6	6	5	5	5	5	5	5	5	5	5	
Harnett	4	4	5	5	5	5	6	6	5	6	5	5	6	6	6	6	10	8	7	6	6	6	9	10	11	8	9	
Haywood	6	6	7	7	7	6	6	7	7	7	8	9	8	9	8	8	8	7	7	7	7	6	4	4	5	5	5	
Henderson	5	4	6	6	7	9	9	8	6	6	5	5	5	6	6	6	8	8	9	9	9	7	7	7	9	8	7	
Hertford	3	4	4	4	4	4	6	3	2	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	
Hoke	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	
Hyde	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Iredell	8	7	10	10	11	10	12	12	11	10	11	11	11	11	11	11	12	11	12	10	12	13	14	16	17	15	15	
Jackson	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	4	4

Note: Includes active, instate optometrists licensed as of October 31 of the respective year.

Johnston	5	5	4	5	6	6	7	7	7	9	8	8	8	9	10	10	12	12	12	12	12	13	11					
Jones	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Lee	5	5	4	4	5	5	7	6	5	6	6	8	8	8	9	7	8	8	8	8	7	6	8					
Lenoir	5	5	5	5	6	5	5	5	4	4	4	6	5	5	6	5	5	5	5	5	5	6	5					
Lincoln	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	5	7	7					
McDowell	3	3	3	3	3	3	3	2	2	1	2	2	2	2	1	1	1	1	1	1	1	3	2					
Macon	2	2	2	2	3	4	4	4	3	4	4	4	4	4	3	3	4	4	4	4	4	4	4					
Madison	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2					
Martin	2	2	2	2	2	3	2	2	3	4	4	3	3	3	3	3	2	1	1	1	1	2	1					
Mecklenburg	29	32	32	32	37	41	44	52	53	58	56	59	60	61	66	64	73	75	78	79	82	91	100					
Mitchell	2	2	2	2	2	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	4	3	3					
Montgomery	1	2	1	2	2	2	2	3	2	2	2	2	2	2	3	2	2	2	2	1	1	1	1					
Moore	1	1	1	2	2	3	4	5	6	7	8	8	9	9	11	13	12	11	10	10	11	12	14					
Nash	8	8	8	8	10	11	12	10	3	4	1	11	15	12	13	13	16	12	11	12	8	9	8					
New Hanover	6	6	6	7	8	7	10	11	11	14	16	18	19	21	21	22	21	22	22	22	26	28	31					
Northampton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Onslow	4	4	5	5	4	5	6	7	7	9	12	8	11	12	11	10	10	11	12	11	12	11	14					
Orange	3	3	5	6	7	6	5	5	7	6	8	7	10	11	13	12	11	13	15	17	15	15	16					
Pamlico	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Pasquotank	4	4	4	5	5	7	6	5	4	5	4	3	3	4	4	4	4	4	4	6	3	4	4					
Pender	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	2	3	3	5	4					
Perquimans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Person	2	2	2	2	2	2	1	1	3	3	3	2	2	2	2	2	2	2	2	3	2	3	4					
Pitt	4	5	7	7	6	7	13	11	11	12	11	13	13	14	15	16	17	19	18	16	17	16	16					
Polk	1	1	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	4	4	4	4	3					
Randolph	7	8	7	7	6	9	7	9	7	6	6	7	8	7	9	8	10	11	12	11	11	10	12					
Richmond	4	4	4	4	5	5	5	5	5	6	5	4	5	4	5	7	6	5	4	4	4	3	3					
Robeson	10	11	12	11	11	11	12	10	10	10	10	12	10	10	11	11	12	13	13	13	13	14	13					
Rockingham	7	9	9	9	9	9	10	10	10	10	11	10	11	10	8	9	10	12	9	8	6	7	6					
Rowan	13	13	13	11	11	12	13	12	13	13	14	13	12	12	13	15	15	14	16	11	11	13	14					
Rutherford	5	5	5	5	5	6	7	7	7	8	9	7	9	7	6	6	6	6	6	6	6	5	5					
Sampson	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	4	4	5	5	4	4	4	5					
Scotland	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	5	5	4	5	4	5	4	4					
Stanly	2	4	4	3	3	4	5	6	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4					
Stokes	1	1	2	2	2	2	1	1	1	1	1	2	2	1	2	3	3	3	3	3	3	4	4					
Surry	7	6	6	7	7	7	7	6	6	6	6	7	7	8	8	8	8	9	9	8	7	9	10					
Swain	1	1	1	-	-	1	1	1	1	1	1	-	-	-	-	1	1	-	-	-	-	-	1					
Transylvania	3	3	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3					
Tyrrell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Union	5	5	5	6	6	6	7	7	7	8	8	10	7	7	7	7	7	8	7	8	8	8	7					
Vance	4	4	4	4	4	4	4	4	4	5	5	7	7	7	7	6	6	6	7	6	8	7	6					
Wake	20	19	25	26	30	34	35	40	47	50	53	56	51	59	61	65	69	74	79	83	82	85	96					
Warren	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Washington	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
Watauga	3	3	3	3	3	4	3	4	4	5	4	4	4	4	4	5	5	6	5	5	5	5	5					
Wayne	6	6	8	8	8	10	9	8	8	7	8	12	12	14	12	11	14	14	13	10	9	10	12					
Wilkes	7	6	7	6	6	6	6	6	6	5	5	5	5	5	5	5	7	7	6	6	6	7	5					
Wilson	5	5	5	6	6	5	6	6	6	6	7	8	9	10	9	8	9	8	9	8	9	10	10					
Yadkin	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	1					
Yancey	-	1	1	1	1	2	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1					
State Total	410	425	465	477	508	536	570	582	601	620	640	645	655	672	704	719	738	749	773	794	816	815	821	846	885	899	1,005	1,03
State Total per 10,000 Population	0.70	0.72	0.78	0.79	0.84	0.87	0.91	0.92	0.94	0.96	0.97	0.97	0.97	0.97	1.00	1.00	1.01	1.00	1.01	1.02	1.03	1.01	1.00	1.01	1.04	1.05	1.03	

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

Pharmacists, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alamance	52	54	55	56	54	56	63	66	67	70	74	78	77	77	86	76	82	83	93	90	93	99	100	102	102	100	104
Alexander	8	8	9	11	9	10	11	13	14	12	14	16	14	15	11	11	12	13	12	12	14	15	15	17	15	14	18
Alleghany	3	3	4	3	5	5	5	4	5	4	5	5	4	4	5	5	6	5	5	4	4	4	5	5	3	5	7
Anson	6	7	9	9	10	9	10	11	9	11	11	9	10	8	8	9	11	11	12	15	10	12	10	10	10	11	8
Ashe	6	7	6	8	9	11	11	9	12	12	12	13	12	12	13	13	11	12	14	12	11	15	14	17	19	19	15
Avery	8	7	8	9	10	8	7	10	9	10	13	14	13	16	16	14	18	15	14	13	13	13	16	16	17	17	18
Beaufort	22	22	23	24	22	25	26	26	26	25	28	29	26	28	27	26	28	29	26	28	28	30	29	28	32	30	31
Bertie	5	5	6	7	6	8	5	6	7	7	9	7	8	8	9	9	8	8	8	8	8	8	10	6	5	8	8
Bladen	10	10	13	9	11	13	14	10	11	14	14	16	16	16	15	13	12	13	13	13	13	13	13	13	14	14	15
Brunswick	12	16	14	20	19	21	24	26	26	29	28	32	35	33	30	36	34	39	37	39	48	46	57	57	56	62	66
Buncombe	102	104	125	126	126	129	137	134	146	156	163	185	186	186	203	192	199	207	210	205	207	221	223	236	232	255	248
Burke	38	45	52	47	46	45	47	46	50	48	51	57	64	64	66	63	64	64	68	67	70	72	79	73	75	71	75
Cabarrus	44	40	45	45	44	46	54	57	55	62	63	67	69	69	75	80	90	93	103	95	104	115	123	123	127	145	137
Caldwell	32	32	28	28	23	31	31	36	36	33	38	40	37	38	37	44	44	45	46	44	41	41	36	38	36	36	39
Camden	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-
Carteret	22	23	25	27	26	28	32	33	36	40	39	40	44	44	44	44	42	46	47	48	49	45	45	46	50	53	48
Caswell	6	6	7	5	5	4	5	4	5	4	4	5	5	5	5	5	5	6	8	7	9	8	7	7	7	6	6
Catawba	79	77	82	81	89	89	95	98	92	101	110	107	113	111	117	118	114	116	119	115	122	126	118	120	132	129	125
Chatham	13	13	12	12	13	14	15	17	17	16	13	16	14	13	14	18	15	15	15	19	18	25	19	22	27	28	24
Cherokee	8	9	14	15	15	16	15	13	15	14	17	16	14	15	15	15	17	17	18	19	21	25	23	24	25	23	27
Chowan	9	9	11	10	10	8	7	9	8	7	7	9	9	9	9	11	11	11	11	11	8	7	11	10	9	10	11
Clay	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4	5	4	5	7	6	7	5	5	5	5	6	7
Cleveland	46	46	48	51	51	48	49	45	48	51	52	56	53	60	59	62	58	59	53	57	55	55	61	58	58	62	55
Columbus	24	28	31	29	28	28	28	31	36	36	38	39	37	37	44	43	44	42	47	49	51	51	57	52	43	49	48
Craven	30	30	28	30	35	33	40	38	41	40	44	44	47	51	53	52	54	54	57	60	60	63	57	55	64	66	66
Cumberland	69	75	77	85	89	101	102	103	103	105	120	132	138	137	152	151	165	171	158	174	169	180	177	182	183	187	200
Currituck	-	1	1	1	1	2	2	2	2	2	2	2	2	1	2	3	2	2	2	2	1	3	2	2	3	4	4
Dare	2	5	5	7	10	11	15	14	14	14	18	14	15	15	18	18	18	18	22	21	22	22	22	24	31	33	32
Davidson	41	44	48	46	49	50	47	48	50	53	55	56	68	66	64	63	65	71	66	83	76	77	83	89	84	87	83
Davie	13	11	11	11	12	10	11	15	16	17	16	14	12	14	14	9	13	11	14	12	15	14	17	18	23	25	23
Duplin	18	16	16	18	20	18	19	17	20	21	21	21	22	23	25	24	28	30	31	29	27	26	26	25	30	28	25
Durham	129	149	164	172	174	194	209	231	248	281	308	369	359	369	424	437	444	484	496	496	587	642	651	653	615	622	633
Edgecombe	27	20	20	21	21	22	24	20	23	27	27	27	29	26	21	21	24	25	29	30	25	27	21	22	21	22	21
Forsyth	152	168	186	187	185	202	204	216	236	266	284	315	308	329	356	371	371	365	368	374	382	372	377	379	395	402	419
Franklin	14	14	13	12	15	17	17	18	17	19	18	19	16	16	17	18	16	14	13	16	15	14	17	15	20	18	16
Gaston	78	84	87	83	88	93	95	92	96	105	110	119	119	117	125	129	131	133	133	143	147	142	145	154	152	152	146
Gates	1	3	4	3	2	1	3	3	4	3	3	3	3	3	2	3	3	2	2	2	2	3	1	2	2	3	3
Graham	3	3	3	3	3	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4
Granville	19	21	26	27	28	29	32	33	33	32	31	33	33	33	36	34	31	33	33	33	38	40	38	42	44	42	42
Greene	1	2	2	2	2	3	4	5	6	7	7	5	4	5	4	4	4	4	5	4	5	4	3	6	4	6	6
Guilford	194	209	223	232	221	234	247	255	257	290	295	315	326	334	350	367	363	380	396	408	406	411	416	429	424	421	388
Halifax	25	26	27	30	28	27	32	29	33	34	35	36	36	36	39	37	38	35	35	41	41	38	37	36	36	36	33
Harnett	25	26	28	31	28	29	29	30	34	44	41	50	49	51	52	47	55	57	64	62	59	60	61	62	58	56	57
Haywood	30	29	28	29	27	28	29	31	30	32	34	32	35	34	34	34	36	38	38	36	41	43	40	36	42	41	38
Henderson	35	39	43	41	40	47	45	48	56	55	54	55	49	51	56	56	56	61	54	56	59	66	69	62	66	70	75
Hertford	12	10	12	13	12	16	17	18	19	17	18	18	18	19	19	18	21	24	23	26	20	24	21	19	18	17	16
Hoke	9	9	11	10	8	10	11	11	9	9	9	8	9	8	10	9	8	10	11	10	13	15	15	17	16	13	11
Hyde	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	-	-	-	-
Iredell	43	45	51	56	55	65	61	61	64	71	68	71	74	75	85	85	82	93	91	83	100	113	117	127	125	120	126
Jackson	11	14	16	16	12	14	15	16	15	16	17	18	18	16	16	15	14	15	15	18	18	18	20	18	17	20	20

Note: Includes active, instate pharmacists licensed as of October 31 of the respective year.

Johnston	33	33	34	38	34	36	34	36	47	43	47	49	44	45	54	57	55	61	62	70	76	82	85	88	92	87	
Jones	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	4	2	2	2	
Lee	21	20	21	24	27	28	29	27	31	28	32	36	28	28	30	31	32	33	33	31	32	32	32	37	35	37	
Lenoir	29	33	35	40	37	42	40	40	41	39	45	52	58	62	70	75	72	71	72	76	78	77	82	86	83	75	
Lincoln	23	24	25	28	29	25	25	23	28	31	30	32	31	29	30	34	36	37	35	38	39	42	44	46	44	41	
McDowell	16	16	15	13	15	13	14	15	15	17	17	21	19	23	20	23	21	20	21	20	23	26	30	24	20	22	
Macon	11	9	8	10	11	11	10	12	12	13	16	16	18	19	22	18	19	17	19	19	20	18	25	24	22	19	
Madison	6	9	10	10	11	8	8	8	8	6	8	8	8	9	8	7	8	11	10	11	7	8	7	8	7	7	
Martin	11	13	14	13	14	12	12	12	11	13	9	12	13	10	13	12	14	16	14	17	16	15	17	16	19	21	17
Mecklenburg	215	218	241	249	257	278	298	313	347	383	407	464	473	502	511	520	552	578	626	666	732	733	724	724	745	748	
Mitchell	9	10	10	8	8	7	7	9	11	12	9	11	12	11	12	12	11	9	8	8	9	11	13	13	15	12	
Montgomery	8	9	8	9	10	12	11	10	12	12	12	11	12	13	14	13	14	15	14	13	12	13	16	13	12	15	16
Moore	27	25	26	29	31	33	34	36	44	45	44	49	42	44	44	47	50	49	50	53	61	59	61	65	72	71	68
Nash	37	42	44	47	45	47	46	53	48	48	53	54	55	55	62	59	57	54	59	65	64	62	60	58	62	64	
New Hanover	63	65	75	71	80	89	89	96	102	103	111	118	116	131	145	148	156	160	167	175	178	194	186	191	184	177	182
Northampton	6	6	5	5	5	6	5	6	6	6	6	6	6	7	6	6	6	7	6	6	7	4	5	4	4	4	
Onslow	27	25	29	31	31	40	36	40	42	43	47	50	46	48	52	60	58	58	62	64	63	58	64	63	59	63	
Orange	87	89	118	117	115	130	139	128	138	155	157	180	185	181	227	232	241	246	252	277	224	210	224	241	232	217	208
Pamlico	2	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	5	5	6	5	4	6	5	4	5
Pasquotank	16	15	20	20	16	17	18	18	19	18	19	20	22	20	21	25	27	24	25	26	29	26	34	33	31	32	35
Pender	5	5	5	8	8	9	8	11	11	14	12	17	14	11	15	16	15	17	17	17	17	20	23	27	28	25	
Perquimans	1	1	1	2	1	1	1	2	2	2	2	2	3	3	3	4	3	5	4	6	6	3	3	4	4	3	
Person	19	18	19	18	15	13	14	13	15	15	16	15	16	17	13	15	15	19	22	22	21	26	23	25	26	25	25
Pitt	71	72	86	87	87	89	97	100	108	115	122	138	138	142	150	165	168	164	166	174	185	189	181	192	182	176	174
Polk	8	9	9	8	8	8	8	9	8	9	7	11	13	11	10	12	11	13	12	14	12	11	14	15	13	12	11
Randolph	32	34	36	41	43	43	43	50	48	49	54	51	54	54	60	57	56	55	47	53	60	53	58	54	55	52	57
Richmond	19	20	21	14	21	22	23	25	24	19	19	25	26	25	26	27	27	29	33	33	31	30	28	30	31	29	32
Robeson	45	43	44	44	47	49	49	47	54	56	55	58	57	60	61	67	65	67	64	61	64	64	70	69	72	71	75
Rockingham	38	43	47	47	51	54	52	49	48	49	53	53	61	61	61	66	60	64	61	66	59	66	62	68	71	77	
Rowan	52	53	52	53	51	51	51	52	61	68	70	74	73	68	75	69	78	77	84	96	94	91	93	103	98	97	
Rutherford	24	31	31	28	28	26	26	27	34	33	30	31	33	30	30	29	28	34	32	33	33	33	35	38	38	43	42
Sampson	26	23	25	26	29	32	31	30	29	29	31	31	29	30	32	33	34	32	35	36	33	33	30	34	33	33	
Scotland	17	15	18	17	18	19	19	16	15	17	22	25	22	23	23	24	21	21	21	23	26	24	28	26	28	25	
Stanly	22	22	22	22	21	22	22	23	26	26	30	29	31	31	33	32	32	28	29	32	31	32	35	38	37	41	39
Stokes	10	10	11	12	12	12	12	16	16	14	15	15	16	16	16	16	18	17	15	17	19	18	20	20	19	17	
Surry	37	44	42	40	47	49	51	48	48	50	50	58	48	50	57	60	58	60	58	54	51	53	50	54	51	50	53
Swain	5	6	7	7	7	7	7	8	8	9	8	7	8	9	9	9	11	12	8	6	5	6	5	4	5	7	
Transylvania	10	11	11	13	14	14	15	17	15	16	18	17	16	17	18	19	15	12	14	16	14	16	19	22	18	20	23
Tyrrell	2	3	2	2	-	-	-	-	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Union	23	26	30	24	24	24	24	26	32	34	32	36	36	38	38	40	39	47	43	45	51	55	57	51	56	67	79
Vance	13	11	14	14	15	14	17	21	22	21	24	24	27	26	25	29	30	31	35	26	26	29	33	32	33	37	31
Wake	194	217	226	239	246	264	288	303	344	376	422	460	469	475	526	561	575	589	630	652	677	690	721	733	738	766	784
Warren	7	4	4	9	8	7	5	6	6	7	6	5	6	7	7	6	5	6	5	7	7	8	8	8	7	8	8
Washington	3	3	5	5	4	7	9	8	8	8	7	9	7	6	6	7	5	6	7	6	8	6	6	6	6	6	6
Watauga	17	21	20	15	17	16	21	18	19	22	21	20	25	27	28	29	26	25	30	33	37	31	37	39	34	30	38
Wayne	42	44	49	49	48	52	56	53	57	60	55	56	58	61	63	63	66	70	71	77	80	80	82	83	88	92	76
Wilkes	22	20	24	27	29	23	24	23	27	28	29	30	25	29	31	33	29	27	27	29	33	31	31	32	34	30	30
Wilson	32	37	38	41	41	47	54	48	49	46	57	57	55	64	61	61	65	59	65	66	66	57	61	70	72	62	64
Yadkin	12	13	14	14	13	11	11	12	10	12	12	14	14	19	20	16	19	18	13	16	10	13	12	12	13	16	10
Yancey	4	4	4	5	4	5	5	3	3	2	5	5	6	8	7	6	5	6	5	6	5	7	8	6	6	8	8
State Total	3,003	3,160	3,423	3,496	3,546	3,745	3,911	4,019	4,280	4,558	4,809	5,210	5,235	5,361	5,740	5,883	5,992	6,172	6,284	6,497	6,720	6,917	7,060	7,183	7,218	7,295	7,293
State Total per 10,000 Population	5.16	5.37	5.75	5.81	5.84	6.08	6.25	6.36	6.68	7.03	7.32	7.86	7.72	7.78	8.16	8.19	8.17	8.24	8.22	8.33	8.47	8.55	8.62	8.62	8.51	8.52	8.42

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

Physical Therapist Assistants, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alamance	2	1	1	1	-	-	2	4	2	4	2	2	2	2	3	6	5	5	6	6	5	5	6	7	10	11	10
Alexander	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	1	1	1	1	-	2	1	1	2	2
Alleghany	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	2	3	4	3	2	3	3	3	4	4	3	3
Anson	1	1	-	-	-	-	-	2	1	1	2	3	2	2	2	3	3	3	3	3	3	2	3	3	5	4	3
Ashe	1	1	1	1	2	2	2	2	2	3	3	1	1	1	2	4	7	7	6	6	8	6	6	8	6	8	9
Avery	-	-	-	-	2	1	2	2	1	2	2	1	1	1	1	2	2	3	7	6	5	5	4	5	6	5	4
Beaufort	1	-	-	-	-	-	-	-	-	1	2	2	3	3	5	5	7	8	9	8	9	15	16	19	15	13	14
Bertie	-	-	-	-	1	-	-	-	-	-	-	-	-	1	2	3	5	4	4	1	2	5	6	2	2	2	3
Bladen	1	-	1	1	2	1	2	2	3	3	2	3	2	4	5	3	4	4	5	3	4	4	4	5	3	3	3
Brunswick	-	4	3	2	3	3	3	3	4	6	5	6	5	6	7	9	7	6	5	7	8	8	8	7	8	11	9
Buncombe	14	14	18	22	24	25	25	30	27	29	25	25	28	30	38	50	56	61	66	52	59	54	53	57	60	69	74
Burke	16	19	19	23	23	22	22	19	19	17	18	17	19	17	18	23	22	25	29	36	39	32	32	32	29	30	34
Cabarrus	2	3	4	6	8	9	9	9	12	11	9	12	12	11	11	15	17	23	29	35	39	37	37	35	42	39	38
Caldwell	-	-	1	-	-	-	-	2	1	4	6	4	5	5	7	10	11	15	16	16	22	20	20	20	20	20	19
Camden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-	-
Carteret	-	1	1	1	1	-	-	1	-	-	-	2	1	6	3	4	4	5	7	7	6	5	5	6	7	10	12
Caswell	-	-	-	-	-	-	-	-	-	1	2	3	-	-	-	1	2	1	2	2	3	3	3	3	1	3	3
Catawba	2	3	4	6	8	7	8	7	10	7	6	13	15	17	21	31	34	42	37	33	41	40	42	43	54	63	64
Chatham	1	2	2	1	1	-	1	-	-	-	1	-	1	-	-	-	1	-	2	2	3	4	5	6	4	5	3
Cherokee	1	1	1	-	-	-	-	-	1	-	-	1	2	2	2	3	3	4	4	4	4	6	6	6	7	10	11
Chowan	-	-	-	-	-	-	-	-	1	-	-	-	1	1	1	2	3	5	7	6	5	6	5	5	5	6	7
Clay	-	-	-	-	-	-	-	-	-	-	-	1	2	1	3	4	4	4	3	4	1	-	1	1	-	-	-
Cleveland	3	1	1	2	3	4	4	5	4	4	5	4	4	4	5	10	12	15	16	17	16	17	17	18	17	16	21
Columbus	1	1	-	-	1	2	2	2	3	3	4	6	4	6	7	8	9	9	10	10	12	11	10	9	11	12	12
Craven	1	-	1	1	-	-	1	-	-	-	2	4	3	3	4	7	13	12	20	16	19	21	21	20	19	20	20
Cumberland	16	17	19	24	21	27	30	32	27	37	40	42	49	54	49	67	66	73	70	74	82	82	81	83	87	89	85
Currituck	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1	-	1	1	1	2	2	1	2	2
Dare	-	-	-	-	-	-	-	-	-	-	-	1	1	2	1	1	3	3	2	-	-	1	1	1	1	4	5
Davidson	-	-	2	2	1	1	2	2	3	2	6	7	9	6	5	9	8	11	20	18	18	18	24	24	21	24	25
Davie	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	1	2	4	4	2	1	2	2	3	4	3	5
Duplin	-	-	-	-	-	-	1	1	1	2	1	2	3	3	3	2	4	5	4	6	4	6	8	7	8	4	5
Durham	8	7	2	5	6	5	6	4	6	6	10	9	10	9	11	11	8	12	15	22	19	17	18	20	22	22	22
Edgecombe	1	3	1	1	1	1	1	1	1	2	1	1	2	3	3	4	5	6	8	6	5	6	6	9	10	26	22
Forsyth	3	4	8	7	9	9	10	9	10	9	6	11	17	16	19	24	20	32	34	38	41	45	44	45	49	57	57
Franklin	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	1	1	4	5	2	3	4	4	3	5	6	6
Gaston	5	4	6	8	9	12	17	17	22	21	23	25	27	25	33	41	42	49	48	45	50	48	50	45	48	48	52
Gates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	1
Graham	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	3	3
Granville	-	1	1	1	2	2	2	1	1	2	2	2	1	1	2	1	2	1	1	4	6	6	8	3	5	7	8
Greene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	1	2	2	2
Guilford	3	4	3	4	7	8	8	5	6	12	23	18	19	29	39	54	57	56	45	40	43	46	51	58	64	63	71
Halifax	1	1	1	2	5	4	4	3	3	3	4	4	5	6	7	12	15	14	12	12	15	14	17	16	17	14	16
Harnett	1	-	1	2	2	4	5	6	8	9	8	7	7	7	6	7	9	8	11	13	12	13	14	12	11	15	19
Haywood	2	2	2	-	-	-	2	2	-	-	1	-	1	2	3	4	5	9	11	15	19	15	17	18	21	20	23
Henderson	4	3	6	8	7	6	5	5	5	7	6	6	7	14	17	21	17	21	25	28	24	27	31	30	28	29	35
Hertford	-	-	-	1	1	1	-	1	-	1	2	3	5	5	6	8	8	10	9	9	10	9	10	10	10	13	11
Hoke	-	-	1	1	1	1	1	1	3	3	4	2	2	1	5	4	4	4	4	5	4	7	4	4	4	3	6
Hyde	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1
Iredell	3	2	1	1	2	3	4	3	4	2	5	7	5	10	11	18	20	20	22	24	24	24	33	33	29	35	44
Jackson	1	-	-	-	-	-	1	1	1	1	1	1	1	4	4	5	8	12	13	13	11	12	13	10	12	15	15

Note: Includes active, instate PTAs licensed as of October 31 of the respective year.

Physical Therapists, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
Alamance	7	9	10	10	12	19	20	18	19	17	19	19	24	23	29	33	39	42	41	48	59	63	61	68	66	65	66	
Alexander	-	-	1	1	1	2	1	1	1	1	1	1	1	2	1	1	3	3	3	3	4	3	4	5	4	4	3	3
Alleghany	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	1	1	1	1	1	2	2	3	3	3	3	2	
Anson	2	2	1	1	1	2	3	3	2	3	3	3	2	2	1	1	1	2	1	2	1	1	-	1	1	3	5	
Ashe	1	2	2	1	1	2	2	1	2	3	4	3	4	3	4	5	5	5	6	7	6	7	7	8	8	5	5	
Avery	2	2	1	1	3	3	4	3	5	3	5	4	5	4	4	3	4	4	4	4	4	4	5	6	7	7	7	
Beaufort	2	2	1	3	3	3	3	3	2	3	4	3	5	5	6	6	7	11	11	10	10	13	12	15	11	12	12	
Bertie	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	3	1	2	3	3	-	1	1	2	
Bladen	-	-	2	1	1	2	2	2	-	-	1	1	-	-	-	-	1	1	1	1	2	4	3	2	-	1	3	4
Brunswick	2	2	4	5	4	5	6	4	5	6	6	5	6	6	6	8	9	9	10	12	13	12	19	24	23	30	28	
Buncombe	38	46	48	62	63	67	75	78	81	86	88	98	106	116	119	135	163	176	172	166	159	149	169	177	188	194	206	
Burke	11	11	10	10	10	7	9	12	11	16	21	20	19	24	22	25	26	28	33	33	38	34	35	31	28	34	31	
Cabarrus	4	3	4	6	7	8	8	7	7	10	12	10	12	11	11	11	14	18	18	24	25	25	30	35	35	43	45	
Caldwell	3	3	4	3	3	4	6	6	5	5	3	3	4	5	5	8	10	8	9	12	12	14	15	18	16	12	11	
Camden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
Carteret	2	3	6	4	5	6	4	5	6	6	6	5	6	5	4	6	10	13	16	15	19	20	24	21	26	20	27	
Caswell	-	-	-	-	-	-	-	1	2	1	1	1	1	1	1	-	-	2	2	2	-	1	3	3	4	3	3	
Catawba	6	7	11	13	12	14	17	20	22	21	25	29	37	43	43	48	47	50	48	53	58	54	66	63	65	67	68	
Chatham	2	2	2	2	4	2	2	3	1	2	2	2	5	5	7	7	4	7	9	11	11	10	6	7	7	4	7	
Cherokee	-	-	2	1	1	1	1	2	3	4	3	3	3	3	3	4	5	5	6	6	6	6	5	7	9	8	9	
Chowan	1	1	1	1	-	1	1	1	1	2	2	2	2	2	3	3	2	3	2	4	4	3	3	3	2	-	1	
Clay	-	-	-	-	-	1	1	1	-	1	1	1	1	1	3	2	3	2	1	1	3	3	3	3	2	2	3	
Cleveland	8	8	7	7	9	8	8	7	7	7	8	8	10	9	9	12	18	17	19	20	22	26	24	24	26	29	27	
Columbus	1	1	2	2	4	3	3	3	4	4	5	2	4	4	4	7	7	8	8	8	12	12	14	14	13	15	12	
Craven	9	7	9	8	9	9	10	11	12	16	18	19	17	18	18	20	21	26	27	27	24	28	28	37	46	45	42	
Cumberland	25	22	24	33	31	31	32	36	31	34	36	43	47	55	70	69	71	76	74	86	92	93	99	106	96	94	94	
Currituck	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	1	2	1	2	2	2	1	1	2	3	3	3	
Dare	1	2	2	2	2	2	2	1	1	1	2	1	4	3	5	6	6	6	9	11	10	9	9	11	14	16	19	
Davidson	3	6	4	4	3	5	4	3	4	5	7	10	12	11	10	14	18	19	20	24	22	23	24	25	27	29	32	
Davie	1	1	1	2	2	2	2	1	-	-	1	-	-	-	3	2	2	3	1	1	2	1	2	4	5	4	5	
Duplin	5	5	2	4	3	2	5	1	1	1	1	1	2	1	2	2	2	2	1	7	5	4	3	3	7	8	5	
Durham	67	68	76	85	82	84	105	97	107	119	131	135	148	152	146	163	162	174	177	167	195	191	195	202	186	211	230	
Edgecombe	4	5	2	2	1	3	-	1	2	1	2	1	1	2	3	5	5	5	4	4	7	6	6	11	7	17	16	
Forsyth	42	46	40	50	48	50	55	63	67	79	82	86	92	116	122	144	143	163	168	173	185	188	193	206	205	226	233	
Franklin	3	2	1	1	1	1	1	1	1	-	-	1	1	1	2	2	5	4	5	3	3	3	9	7	7	8	9	
Gaston	10	10	11	11	10	12	12	12	14	11	13	15	15	18	20	28	38	39	34	43	46	46	49	52	49	56	59	
Gates	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	
Graham	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	2	1	1	1	2	3	
Granville	8	9	7	5	8	8	9	10	8	6	4	7	7	8	5	7	9	9	8	9	13	10	14	14	22	16	15	
Greene	1	1	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	1	1	1	1	
Guilford	38	37	38	45	50	56	59	75	80	84	90	99	108	124	132	157	160	161	180	185	185	180	202	204	204	223	226	
Halifax	2	2	1	1	7	5	6	6	6	6	6	6	4	3	8	8	7	8	7	10	11	12	12	11	10	8	11	
Harnett	1	2	1	1	3	3	3	3	2	4	4	3	2	4	2	4	5	6	8	14	13	11	16	17	23	21	24	
Haywood	2	3	4	5	7	6	5	7	7	7	8	8	10	10	8	9	10	12	14	18	19	18	23	24	23	27	24	
Henderson	9	11	8	9	9	10	8	9	11	10	10	11	15	19	21	28	25	31	41	41	44	43	52	45	55	61	63	
Hertford	1	1	1	2	1	1	1	1	1	2	2	2	2	2	3	3	4	3	1	3	4	4	4	3	3	4	4	
Hoke	1	1	1	-	-	1	1	1	-	1	-	1	-	1	1	1	1	1	1	1	2	2	6	4	4	4	4	
Hyde	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	1	1	1	1	
Iredell	5	4	5	6	7	6	11	10	9	8	10	12	14	15	17	23	31	39	40	39	46	46	48	52	58	62	69	
Jackson	5	6	7	5	5	4	4	5	5	5	5	5	8	5	7	7	9	13	15	17	19	16	22	25	24	25	28	

Note: Includes active, instate PTs licensed as of October 31 of the respective year.

Johnston	3	3	2	2	4	2	3	4	7	3	3	7	5	8	9	10	10	14	15	16	15	23	28	28	29	29	
Jones	-	1	1	1	1	-	1	1	1	1	1	1	1	1	2	2	3	3	3	2	2	1	2	2	2	2	
Lee	2	3	5	4	6	5	5	4	6	6	6	7	7	7	8	12	11	13	14	19	19	18	18	18	19	21	
Lenoir	7	5	8	9	7	11	12	18	18	19	13	15	16	13	17	17	22	24	25	25	23	21	19	18	21		
Lincoln	2	2	2	2	-	1	1	1	1	1	1	1	2	2	4	6	9	9	16	17	18	13	18	15	12		
McDowell	1	2	1	1	3	3	2	2	2	3	3	2	2	3	6	3	3	3	4	5	6	6	4	5	2		
Macon	2	2	2	3	3	2	4	3	5	5	5	4	6	5	5	6	6	9	10	13	13	15	17	18	15		
Madison	-	-	-	-	1	1	2	2	2	1	4	1	2	1	3	3	6	8	4	4	3	4	2	4	5		
Martin	1	4	-	1	2	6	3	4	5	4	2	3	3	2	4	3	5	5	8	7	7	6	6	7	7		
Mecklenburg	77	76	90	95	92	96	112	113	126	147	177	201	217	231	267	283	320	330	328	336	311	349	370	367	423		
Mitchell	2	2	2	2	2	2	2	2	1	1	1	2	2	1	2	3	1	3	4	3	4	8	7	8	6		
Montgomery	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	3	2	3	3	4	4	2	4	2	5		
Moore	7	7	8	10	11	13	13	14	15	18	20	21	20	22	23	31	27	32	35	40	37	35	40	39	48		
Nash	7	10	14	18	16	12	16	15	14	22	25	27	30	27	28	33	41	37	44	41	44	50	46	43	39		
New Hanover	11	18	21	25	26	23	27	27	28	32	37	40	46	55	72	86	87	105	110	107	104	112	130	135	143		
Northampton	1	-	1	-	-	1	1	2	1	-	-	-	-	-	-	-	-	3	-	2	1	1	2	-	3		
Onslow	6	7	9	9	6	8	8	9	13	15	17	14	11	14	12	17	20	23	27	31	38	35	33	35	36		
Orange	65	65	70	82	74	73	93	89	86	87	100	107	124	118	134	129	143	136	140	121	114	130	130	126	142		
Pamlico	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	2	-	3	1	1	2	3	1	1	2		
Pasquotank	4	4	2	3	3	3	5	4	7	4	5	5	8	8	11	10	13	9	12	12	15	19	18	18	17		
Pender	1	1	2	1	1	1	-	1	-	-	-	1	1	1	2	3	3	5	3	7	7	6	4	6	5		
Perquimans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	-	-	-	-	-	-		
Person	1	1	2	2	3	3	4	2	1	1	2	2	4	4	3	3	5	6	4	5	7	7	9	11	8		
Pitt	21	24	23	27	24	29	33	33	37	42	49	47	52	50	61	63	67	74	78	82	75	84	84	86	85		
Polk	1	1	2	1	1	1	1	3	3	3	3	3	2	3	3	3	2	3	4	5	5	7	5	7	8		
Randolph	2	3	2	3	3	4	4	5	5	5	5	6	8	7	8	13	14	14	16	13	14	14	18	16	21		
Richmond	1	2	3	2	2	2	1	1	2	3	2	4	3	3	7	9	10	11	11	9	13	11	10	10	10		
Robeson	2	2	4	4	5	6	7	5	6	7	7	7	10	11	14	14	13	13	22	24	23	24	28	27			
Rockingham	3	3	5	5	7	7	6	7	9	9	13	13	14	14	17	14	21	23	22	20	20	18	18	19	18		
Rowan	8	9	8	9	8	8	9	6	11	10	8	7	12	15	16	15	17	22	27	29	30	34	42	39	37		
Rutherford	3	4	4	4	4	4	5	6	4	4	5	4	8	8	6	7	9	12	12	14	12	13	13	11	13		
Sampson	3	3	3	3	3	3	3	3	2	1	2	3	4	6	5	4	6	4	5	6	6	9	9	9	9		
Scotland	2	2	3	3	3	2	3	2	4	2	3	2	2	4	6	4	4	5	9	10	10	10	9	10	9		
Stanly	2	2	1	1	1	3	2	2	3	2	2	3	6	6	8	9	8	10	10	10	11	11	13	12	13		
Stokes	-	-	1	-	1	1	1	1	1	1	2	2	2	2	2	1	3	5	7	7	7	7	9	10	7		
Surry	3	2	3	6	5	2	3	3	3	3	3	6	8	7	8	9	12	6	12	12	13	20	19	16	14		
Swain	1	2	1	2	2	1	2	-	2	1	3	2	4	4	4	3	2	2	1	2	3	2	3	4	5		
Transylvania	1	3	2	1	2	2	2	3	1	2	2	2	5	5	6	8	8	6	8	7	9	11	10	11	10		
Tyrrell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Union	1	1	2	3	2	4	5	3	3	5	5	8	8	8	11	12	14	14	16	15	17	18	20	22	23		
Vance	3	3	2	3	3	4	3	3	5	6	4	4	6	6	7	6	8	8	12	14	14	13	15	14	14		
Wake	55	57	60	64	70	77	91	93	95	110	122	143	163	202	244	277	291	293	310	320	315	358	374	397	455		
Warren	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4	2	2	2	2	3	2	1		
Washington	1	1	1	1	-	-	2	1	1	-	-	1	1	1	1	1	1	1	1	2	1	2	1	1	1		
Watauga	8	7	9	10	7	7	8	8	11	18	25	26	27	23	17	23	23	21	26	26	23	25	26	23	24		
Wayne	11	8	11	11	10	11	15	10	10	7	12	11	13	10	12	12	19	25	23	23	22	25	26	27	28		
Wilkes	2	2	2	2	1	2	2	2	2	4	3	5	7	5	8	12	14	14	11	13	13	15	14	12	13		
Wilson	6	5	7	9	10	12	8	10	9	11	11	13	15	12	14	13	12	15	14	18	22	22	23	19	22		
Yadkin	-	-	-	-	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4		
Yancey	1	1	2	2	1	2	2	2	-	-	1	1	1	2	2	2	1	1	3	4	4	3	4	3	3		
State Total	677	716	771	862	869	924	1,038	1,058	1,101	1,223	1,335	1,434	1,583	1,755	1,836	2,121	2,329	2,541	2,660	2,815	2,940	2,884	3,168	3,303	3,594		
State Total per 10,000 Population	1.17	1.25	1.33	1.47	1.46	1.54	1.71	1.72	1.76	1.93	2.08	2.21	2.41	2.65	2.71	3.08	3.31	3.54	3.63	3.76	3.85	3.70	3.99	4.10	4.09	4.31	4.42

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

Physician Assistants, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
Alamance	1	1	2	3	3	3	3	2	1	2	3	5	6	5	12	17	17	13	10	19	18	24	22	25	23	23	24	
Alexander	-	-	-	-	-	-	-	-	1	1	2	3	3	2	2	2	3	1	4	5	5	5	6	4	4	4	5	10
Alleghany	-	-	-	-	-	-	-	1	1	2	3	3	2	4	1	2	4	4	4	4	4	6	5	4	5	5	4	2
Anson	4	3	4	3	2	2	2	2	2	2	2	2	2	2	1	4	3	2	2	3	3	4	3	5	6	6	4	4
Ashe	4	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	5	4
Avery	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	2	2	2	1	-	-	1	2	2	1	-	-	1
Beaufort	1	1	2	2	1	1	1	1	-	1	-	2	2	2	3	5	5	4	5	5	7	10	10	9	8	10	10	10
Bertie	2	2	2	3	2	2	1	2	-	1	1	1	2	2	4	3	3	4	6	5	6	6	7	8	6	6	8	
Bladen	2	2	2	2	1	2	1	2	2	2	2	2	2	2	2	3	3	4	5	5	5	6	6	6	6	7	8	
Brunswick	-	-	-	-	-	1	1	2	2	2	2	3	4	4	6	4	6	6	7	10	15	16	21	22	21	23	28	
Buncombe	14	14	21	32	41	43	46	41	44	48	47	44	54	47	49	51	59	65	66	72	86	86	93	94	100	101	120	
Burke	13	13	13	12	13	13	13	11	11	13	13	14	13	11	12	13	13	17	17	18	22	21	18	18	17	19	21	21
Cabarrus	-	-	-	-	1	2	3	4	5	3	6	4	3	4	10	9	10	9	13	14	15	18	17	23	26	25	32	
Caldwell	1	3	1	1	2	2	2	2	2	2	2	4	6	5	8	8	8	9	7	11	9	9	9	11	12	13	12	
Camden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carteret	6	6	1	3	3	3	5	4	4	4	4	2	2	4	9	9	13	14	8	7	9	10	13	12	15	17	16	
Caswell	1	2	2	2	2	1	2	1	2	2	3	1	3	2	2	2	2	3	4	1	1	1	1	2	3	3	2	
Catawba	5	5	8	8	11	9	9	10	11	11	11	10	11	16	15	20	23	22	22	21	34	38	40	42	46	46	54	
Chatham	1	-	-	-	-	-	-	-	-	-	-	-	1	1	3	3	5	5	3	1	2	1	4	4	2	4	1	
Cherokee	-	1	1	1	1	2	2	2	2	2	2	2	2	2	2	4	4	3	4	6	8	6	7	8	8	7	10	
Chowan	1	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	1	
Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	2	2	
Cleveland	4	4	4	4	3	5	6	3	2	5	5	3	4	9	5	7	10	8	7	11	14	13	13	13	15	15	17	
Columbus	6	7	6	11	9	14	14	8	9	10	10	13	12	10	9	8	11	13	12	12	13	16	17	17	19	19	19	
Craven	-	1	1	1	-	-	2	2	2	-	-	2	2	3	8	8	8	14	17	16	16	13	19	20	21	18	21	
Cumberland	7	6	11	14	14	17	21	24	23	27	27	28	26	24	48	48	60	66	46	58	65	89	95	115	135	138	147	
Currituck	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dare	3	1	2	3	3	3	4	4	5	4	4	5	6	8	7	7	7	7	2	5	5	6	5	6	7	7	9	
Davidson	-	1	2	1	1	1	3	2	2	3	3	2	2	3	4	4	6	8	4	10	8	10	15	14	14	16	17	
Davie	6	5	4	3	5	5	4	3	3	5	8	4	5	4	6	7	5	4	2	6	2	4	3	4	6	6	4	
Duplin	-	1	1	1	2	2	2	3	2	2	3	6	5	4	4	5	5	5	3	3	3	4	5	3	4	3	6	
Durham	32	46	56	64	70	79	93	101	112	114	118	124	128	137	131	129	131	130	142	148	161	172	189	216	230	246		
Edgecombe	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	1	2	4	3	2	3	5	4	3	4	4	7	
Forsyth	35	36	43	51	60	71	85	83	94	96	97	115	125	125	124	125	146	154	151	172	182	193	207	216	218	235	241	
Franklin	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	2	1	1	1	1	2	2	3	2	2	2	2	2
Gaston	4	4	5	3	3	4	6	4	4	4	3	9	9	4	13	12	16	20	19	23	28	34	44	49	52	53	54	
Gates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	1	-	1	1	-	2	2	2	1	1
Graham	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	3	2	3	3
Granville	4	6	6	7	5	5	5	5	7	7	3	3	5	4	4	4	6	3	9	8	10	9	10	10	10	13	16	
Greene	3	3	2	2	1	1	1	1	1	-	-	-	1	2	-	-	1	1	2	1	1	2	2	1	3	4	4	
Guilford	23	21	25	25	34	39	50	59	61	66	69	75	79	77	96	97	107	118	95	95	110	132	139	159	174	167	167	
Halifax	2	2	3	2	3	3	3	2	2	4	3	4	6	8	7	7	5	5	8	9	6	10	9	8	10	10	9	
Harnett	8	8	3	3	3	2	3	2	4	3	3	9	10	9	3	4	5	4	4	5	16	21	23	21	24	27	23	
Haywood	1	1	1	1	2	2	1	1	2	2	2	2	2	2	5	4	3	5	5	4	5	6	9	12	13	11	11	
Henderson	1	2	2	5	3	2	2	1	1	2	3	3	5	5	12	11	13	17	11	11	14	16	18	22	21	21	23	
Hertford	1	-	1	1	1	1	1	1	1	1	1	1	1	1	4	3	3	5	5	3	7	7	8	10	10	13	11	
Hoke	3	4	3	2	2	2	2	3	3	3	3	5	7	6	2	2	2	2	2	5	6	8	7	9	8	7	9	
Hyde	1	1	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	4	2	-	-	-	
Iredell	5	3	6	6	6	5	5	6	9	10	6	4	7	8	15	14	14	12	10	13	15	18	23	25	26	28	32	
Jackson	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	4	6	7	8	7	8	8	

Note: Includes active, instate PAs licensed as of October 31 of the respective year.

Johnston	-	-	-	-	-	-	-	-	-	1	2	3	7	8	8	7	6	12	12	11	14	19	21	20	24	27	
Jones	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	2	2	2	2	1	
Lee	-	1	2	1	1	1	3	4	4	8	9	10	10	10	9	9	10	10	9	13	16	15	15	16	14	13	
Lenoir	-	-	-	1	2	2	2	2	2	5	4	4	4	4	7	4	2	6	7	9	10	9	10	8	7	8	10
Lincoln	1	3	4	4	4	4	4	4	4	3	3	3	3	5	6	7	8	3	5	3	3	3	2	3	4	4	
McDowell	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	1	5	6	9	12	13	13	15	15	12	
Macon	3	2	2	3	3	3	3	3	2	2	2	2	2	4	4	7	6	4	6	5	5	5	8	8	8	5	
Madison	2	-	1	1	1	1	1	1	1	-	-	-	-	2	1	2	1	2	1	1	1	1	1	1	1	1	
Martin	2	5	5	5	5	5	7	5	4	2	3	2	1	1	1	1	-	1	2	4	5	4	4	4	3	2	
Mecklenburg	9	8	6	7	8	12	13	11	20	27	35	51	59	63	67	73	87	103	126	128	159	174	197	209	220	247	
Mitchell	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	2	2	-	-	-	-	-	
Montgomery	1	1	1	1	1	1	1	1	1	-	-	-	-	2	2	2	2	7	6	6	6	6	8	7	8	5	
Moore	2	1	2	4	5	3	4	5	5	7	8	12	10	12	15	14	16	10	11	17	23	27	25	28	30	36	
Nash	-	-	-	-	-	2	4	2	2	3	1	3	6	6	10	11	10	13	12	15	19	19	24	26	28	29	29
New Hanover	3	3	3	5	6	9	8	12	11	11	7	13	16	19	20	31	37	39	33	36	49	52	60	74	87	93	112
Northampton	1	-	-	1	2	2	3	3	4	2	3	2	2	2	-	-	-	-	3	2	3	2	2	2	2	2	
Onslow	1	2	2	2	2	2	2	2	1	1	2	2	5	6	4	5	11	9	11	10	14	15	15	23	29	28	27
Orange	15	12	13	17	20	20	22	19	21	24	23	25	28	29	53	62	61	58	34	37	31	35	33	38	40	42	46
Pamlico	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	2	1	2	2	2	2	2	2	2	1
Pasquotank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	4	3	4	5	8	13	10	13	13
Pender	1	-	1	-	-	-	-	-	-	-	-	-	-	-	2	2	3	2	2	2	5	4	4	5	4	3	
Perquimans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Person	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	3	2	3	2	3	2	3	5	8	8
Pitt	4	3	7	8	8	10	16	20	27	26	33	27	29	33	32	30	29	25	29	33	52	53	58	66	71	81	
Polk	1	1	1	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	3	-	1	2	1	1	1	4	
Randolph	-	-	-	-	1	2	2	2	2	1	1	2	4	4	4	3	4	7	6	9	5	6	7	10	11	12	12
Richmond	-	1	1	1	1	2	1	-	-	-	-	-	-	2	1	3	4	5	6	4	4	6	9	6	6	5	5
Robeson	10	10	8	9	9	10	11	11	13	11	8	14	21	25	22	22	20	28	29	38	39	38	38	47	42	45	
Rockingham	5	3	3	2	3	4	5	6	5	3	3	4	4	4	4	6	6	6	8	7	13	14	13	12	16	18	
Rowan	9	9	12	11	10	12	11	8	10	11	9	9	6	6	8	11	14	14	16	14	21	13	18	24	27	36	
Rutherford	2	2	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	1	4	7	10	9	10	9	8	8	
Sampson	4	2	2	1	3	4	4	4	5	4	2	3	2	3	4	5	5	8	13	9	10	11	9	10	11	12	
Scotland	-	-	-	-	1	1	1	1	2	-	1	2	1	2	3	3	5	5	3	5	7	8	9	9	11	13	15
Stanly	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	3	2	4	7	9	7	9	13	13	9	
Stokes	-	-	-	-	-	-	-	-	-	-	1	1	-	3	2	2	1	-	2	3	3	4	5	3	4	5	3
Surry	3	9	10	11	9	12	14	12	11	11	12	14	11	11	13	12	15	17	16	17	16	15	17	18	16	17	
Swain	-	-	-	-	-	1	1	1	1	1	2	2	1	1	-	1	2	1	1	3	3	5	6	8	8	10	
Transylvania	4	4	5	3	2	2	2	2	2	2	1	1	1	1	2	3	4	4	4	3	5	3	3	5	5	3	
Tyrrell	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	1	-
Union	-	-	-	-	-	-	1	1	1	4	5	7	8	6	6	9	12	8	8	10	14	18	20	25	22	17	
Vance	2	1	1	1	1	2	2	3	2	3	5	6	5	3	2	4	5	5	8	11	9	11	11	13	12	14	
Wake	9	8	10	9	15	14	17	20	22	32	43	42	46	55	71	76	87	87	98	129	145	157	166	168	185	210	
Warren	-	-	2	1	2	1	1	1	1	1	-	-	-	-	-	-	-	-	1	1	3	3	3	2	2	-	
Washington	1	1	1	1	1	1	1	1	-	-	-	-	-	-	1	1	-	-	-	-	1	1	1	3	3	3	3
Watauga	-	-	-	-	-	-	1	1	1	1	-	1	1	1	-	-	-	-	-	-	-	-	-	1	1	1	1
Wayne	6	10	10	11	10	10	10	9	9	8	8	9	9	8	8	12	10	11	10	9	12	14	20	21	26	25	29
Wilkes	7	7	7	7	6	7	8	8	9	10	10	9	7	7	10	10	11	13	10	14	16	16	16	15	17	18	15
Wilson	1	3	2	-	1	1	-	-	-	-	-	-	-	2	1	2	1	2	2	4	8	9	8	8	12	13	12
Yadkin	1	2	2	3	3	2	2	1	2	2	3	2	4	2	5	6	8	10	5	4	4	3	4	4	3	4	5
Yancey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	2	2	3	2	2	-	1	1	1
State Total	318	338	380	423	467	523	598	593	649	694	726	807	886	920	1,083	1,134	1,268	1,344	1,282	1,440	1,654	1,880	2,032	2,213	2,390	2,498	2,674
State Total per 10,000 Population	0.55	0.57	0.64	0.70	0.77	0.85	0.96	0.94	1.01	1.07	1.11	1.22	1.31	1.33	1.54	1.58	1.73	1.79	1.68	1.85	2.08	2.34	2.48	2.65	2.82	2.92	3.09

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

Physicians, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alamance	98	97	107	111	113	122	123	136	133	136	139	136	138	141	146	164	146	158	164	163	165	175	175	179	179	184	197
Alexander	9	10	12	12	10	9	10	9	10	11	10	11	8	9	11	11	10	12	12	14	11	13	15	14	12	13	17
Alleghany	8	6	6	8	7	5	6	5	7	9	7	7	11	9	9	9	9	10	11	10	15	18	14	14	13	13	16
Anson	8	12	10	13	13	18	15	23	18	12	12	14	10	12	13	18	18	19	20	23	21	15	19	20	19	19	17
Ashe	10	8	12	11	11	13	15	15	13	16	14	14	15	17	17	15	16	21	24	20	21	26	25	22	26	22	22
Avery	23	19	22	23	24	21	24	22	23	23	27	30	29	22	25	21	42	44	38	37	31	28	28	33	30	20	25
Beaufort	40	43	43	41	47	47	46	43	46	48	47	50	51	50	52	52	58	60	59	64	64	66	63	67	66	61	65
Bertie	6	6	6	7	9	8	10	10	10	7	6	4	9	9	10	10	8	10	10	10	11	12	13	14	13	12	9
Bladen	12	12	10	10	11	17	18	18	17	15	16	13	13	13	17	16	18	17	19	21	19	22	17	20	26	23	24
Brunswick	20	21	20	20	22	26	27	35	30	33	32	39	40	37	38	40	49	54	49	66	68	74	75	75	76	85	81
Buncombe	313	313	327	338	349	357	371	372	406	403	428	436	475	470	493	530	520	557	574	602	637	658	686	689	713	718	762
Burke	96	95	95	93	99	101	106	110	116	109	107	113	119	125	128	154	145	153	160	177	194	160	162	166	171	170	171
Cabarrus	71	84	83	91	92	92	92	94	103	103	110	120	123	137	146	160	183	201	219	232	259	274	280	300	304	309	330
Caldwell	41	45	45	54	56	54	52	56	61	60	65	59	56	63	66	64	66	73	68	66	71	75	77	81	81	75	72
Camden	1	1	1	1	1	1	1	1	1	3	4	2	3	-	-	-	-	-	-	1	3	4	3	3	3	3	1
Carteret	41	38	41	44	47	45	51	53	51	52	47	54	54	55	59	63	63	77	68	73	78	84	93	84	91	91	89
Caswell	5	4	3	7	7	6	3	6	9	12	5	6	6	8	9	6	7	5	10	13	11	11	14	13	12	14	9
Catawba	119	123	125	124	133	134	149	151	169	172	188	189	193	202	217	200	226	234	246	264	270	325	335	323	328	335	343
Chatham	19	22	25	26	27	19	25	23	21	25	26	20	26	24	25	28	26	29	41	34	39	34	36	39	35	41	40
Cherokee	16	20	23	22	23	21	22	20	24	22	22	22	24	24	26	27	29	30	36	42	46	44	40	40	38	37	37
Chowan	16	19	16	18	17	17	18	20	20	20	19	19	16	20	21	20	20	25	26	27	28	27	27	26	27	27	28
Clay	3	3	4	4	4	2	3	3	3	6	6	4	3	2	2	5	6	6	4	5	5	4	6	5	6	7	7
Cleveland	82	80	82	91	88	93	96	93	102	108	101	108	97	107	110	108	108	117	133	137	135	135	141	146	146	150	163
Columbus	26	27	30	31	35	37	40	46	38	40	37	39	38	38	41	40	39	37	42	46	46	48	55	53	56	52	56
Craven	87	83	85	91	97	107	110	115	114	109	113	104	114	119	132	136	134	152	167	182	181	180	182	191	198	210	208
Cumberland	183	151	154	175	173	204	227	238	262	233	247	251	276	299	335	356	371	410	395	436	462	442	457	453	450	467	470
Currituck	3	2	3	4	3	3	3	3	5	5	5	6	3	3	3	5	5	6	5	8	7	6	6	6	6	6	6
Dare	13	14	13	13	10	10	15	21	20	19	16	16	19	14	13	14	16	16	18	29	32	34	34	37	43	47	51
Davidson	60	64	64	71	74	72	74	73	75	77	77	82	79	87	93	101	103	106	108	113	115	116	120	121	119	120	120
Davie	15	14	14	12	12	14	18	15	11	13	13	10	12	15	17	18	17	20	21	21	21	23	22	22	20	21	19
Duplin	22	21	21	26	26	26	27	28	28	23	22	24	20	23	23	24	30	31	29	33	38	35	34	33	31	28	34
Durham	704	711	787	796	898	885	949	1,082	1,066	1,108	1,145	1,185	1,196	1,254	1,528	1,397	1,325	1,341	1,351	1,356	1,376	1,433	1,501	1,560	1,596	1,651	1,661
Edgecombe	20	24	20	23	24	34	37	38	35	33	38	29	30	36	38	35	38	39	41	36	36	41	39	37	38	37	
Forsyth	593	616	666	691	765	740	807	856	860	892	889	909	952	975	1,100	1,016	1,004	1,020	1,051	1,082	1,098	1,143	1,201	1,243	1,248	1,270	1,324
Franklin	9	11	10	11	11	14	12	16	13	18	17	16	15	20	20	17	19	20	26	28	27	29	30	29	28	31	36
Gaston	120	120	128	128	132	137	139	134	145	146	153	149	156	181	193	203	210	238	249	277	291	311	322	327	330	342	348
Gates	2	2	-	4	3	2	3	3	3	3	3	2	2	2	2	1	2	1	3	1	3	3	2	3	3	3	1
Graham	4	5	7	5	5	4	4	4	4	3	3	4	4	3	3	4	5	6	5	4	4	4	3	4	3	3	4
Granville	48	50	43	48	45	44	45	52	57	51	46	53	50	62	63	63	65	63	73	67	82	75	76	77	76	71	68
Greene	1	2	1	2	3	5	4	7	6	3	3	3	4	2	3	1	3	1	1	3	3	4	4	6	5	5	7
Guilford	469	475	476	494	518	524	558	578	622	622	630	646	669	703	727	735	768	817	853	910	895	924	948	974	994	1,006	1,042
Halifax	34	37	39	50	52	46	48	51	47	48	54	56	55	46	50	55	56	59	64	69	68	70	74	76	78	77	83
Harnett	24	28	29	29	30	34	39	38	39	38	36	42	38	40	41	50	50	52	54	61	58	61	65	63	65	64	63
Haywood	50	47	48	49	53	54	59	59	61	57	60	63	59	61	63	64	65	77	81	88	87	84	88	94	101	98	100
Henderson	81	85	86	84	84	92	98	105	111	98	105	108	127	129	136	139	136	144	181	201	201	210	212	222	235	226	229
Hertford	22	24	26	27	28	24	24	29	29	28	24	26	24	28	29	32	31	37	35	34	37	35	40	38	39	40	40
Hoke	7	7	6	7	6	7	8	5	6	6	7	6	6	8	8	10	11	10	18	14	16	15	15	13	13	14	13
Hyde	2	2	2	4	5	3	3	2	2	3	2	4	2	1	1	1	2	1	1	1	2	1	2	1	2	1	1
Iredell	76	73	82	84	87	94	96	96	110	112	121	121	131	135	142	163	164	172	186	214	222	221	231	240	247	253	255
Jackson	38	32	33	38	39	42	43	46	50	54	55	58	62	57	63	67	70	72	69	78	78	75	74	72	76	78	81

Note: Includes active, instate, non-federal, non-resident-in-training MDs and DOs licensed as of October 31 of the respective year.

Johnston	38	42	42	42	45	44	44	44	47	49	49	52	46	50	50	52	67	64	69	67	71	77	85	91	89	94	105	102	
Jones	7	9	6	3	3	1	9	6	12	12	14	14	8	12	9	10	14	14	14	14	15	13	23	22	21	20	23	21	24
Lee	39	39	41	52	50	50	50	54	60	61	60	55	57	63	67	72	64	71	70	75	83	85	85	83	84	87	86	75	
Lenoir	71	71	73	74	75	70	80	80	84	79	76	73	82	86	88	86	86	86	92	98	103	98	101	106	113	120	118	116	
Lincoln	27	32	33	33	36	33	32	27	27	26	28	30	33	33	36	38	47	54	61	61	65	62	61	58	61	60	57	44	
McDowell	17	18	17	17	17	18	20	22	23	23	28	29	32	37	37	38	32	33	42	47	49	56	66	69	63	67	65	69	
Macon	17	18	18	22	25	23	30	30	27	26	26	29	32	37	38	36	36	42	47	47	49	56	66	69	63	67	65	69	
Madison	10	11	9	13	11	6	8	9	9	8	7	8	8	7	7	11	12	11	12	11	12	11	11	11	12	14	14	15	
Martin	13	14	15	16	17	17	16	11	13	15	17	10	13	14	14	17	17	20	21	24	24	19	23	19	21	19	19	19	
Mecklenburg	627	635	674	685	702	753	816	869	958	973	1,072	1,082	1,203	1,229	1,327	1,400	1,442	1,565	1,624	1,713	1,691	1,695	1,733	1,773	1,850	1,916	2,035		
Mitchell	11	13	12	16	16	17	21	21	23	18	16	16	16	17	18	19	19	21	22	19	21	25	23	22	22	24	25		
Montgomery	11	11	12	15	17	17	18	17	14	14	9	9	9	6	9	10	10	8	10	11	11	15	15	15	15	12	13	11	
Moore	79	82	86	99	101	98	101	107	115	113	120	123	123	127	129	140	147	173	177	192	197	203	212	218	221	222	237		
Nash	8	74	74	87	82	87	97	102	101	115	108	118	121	123	129	131	139	149	162	168	156	155	163	159	169	176	183		
New Hanover	193	183	196	199	213	215	233	235	255	255	274	277	311	304	322	362	375	403	437	461	465	483	509	530	548	559	591		
Northampton	9	11	10	8	7	8	9	5	8	6	7	7	7	8	8	9	7	9	9	9	11	11	10	8	9	9	9	9	
Onslow	65	64	49	49	59	61	71	82	96	88	87	81	95	99	119	134	129	133	133	133	151	171	147	135	137	124	120	119	
Orange	561	570	629	586	655	694	656	774	738	739	804	769	903	829	950	935	862	938	927	955	948	1,030	1,070	1,094	1,130	1,109	1,135		
Pamlico	5	5	5	4	3	4	4	4	3	5	4	3	5	4	5	4	4	4	4	7	4	6	8	6	9	8	7		
Pasquotank	51	48	47	47	48	48	52	54	54	52	49	54	56	65	66	65	70	78	86	91	102	96	94	102	97	96	101		
Pender	7	7	7	8	8	9	7	8	10	12	11	13	11	17	19	19	19	16	15	18	15	22	22	18	19	18	17		
Perquimans	1	1	1	-	1	3	2	3	4	1	3	4	4	4	2	2	2	3	3	3	3	2	2	2	2	2	2	2	
Person	13	13	14	14	15	14	16	17	16	15	13	12	15	15	16	17	21	20	22	23	28	30	35	32	31	35	37		
Pitt	171	178	205	226	245	258	269	326	344	362	373	398	398	446	523	487	490	514	530	537	520	542	577	590	596	611	647		
Polk	22	25	24	30	25	24	23	26	29	29	25	22	27	15	16	24	22	22	22	27	23	19	20	24	18	23	25	25	
Randolph	48	44	49	50	55	53	56	55	65	66	66	63	62	62	63	73	80	84	89	100	111	121	117	124	123	132	120		
Richmond	28	27	26	26	27	28	29	27	27	27	25	29	31	32	33	42	44	43	45	54	55	56	53	52	51	45	46		
Robeson	71	72	68	78	82	82	87	92	92	82	73	78	77	84	87	89	94	95	101	103	114	133	139	138	136	135	139	140	
Rockingham	52	61	60	69	66	64	66	62	71	74	77	73	67	78	81	88	86	91	94	97	98	98	107	106	100	108	108		
Rowan	89	91	89	94	95	94	95	96	105	99	102	95	107	109	115	116	123	131	135	151	156	158	158	159	150	146	152		
Rutherford	33	35	39	43	44	49	45	48	47	40	45	45	46	51	52	57	62	65	71	81	78	78	80	85	83	85	86		
Sampson	40	40	43	45	47	41	43	48	41	42	40	40	39	38	40	40	38	41	39	39	43	47	46	46	46	51	48		
Scotland	29	30	32	33	34	32	29	28	28	31	37	39	36	41	46	39	43	47	47	60	58	57	60	56	55	54	63		
Stanly	27	28	32	33	34	36	37	37	37	33	38	42	40	48	51	50	51	59	63	62	66	66	66	80	81	84	79		
Stokes	14	13	13	13	12	11	11	10	10	11	11	9	10	11	11	12	12	12	12	15	15	19	17	17	17	16	15	15	
Surry	44	46	42	43	41	47	50	55	57	55	54	59	61	59	63	68	66	78	91	91	95	103	101	103	110	108	102		
Swain	9	8	9	11	10	10	10	9	9	8	9	9	9	9	11	13	10	11	11	12	16	13	12	11	13	21	18	17	
Transylvania	22	22	21	21	22	25	28	26	27	29	32	31	33	33	33	34	29	28	29	32	35	42	40	42	41	42	43	42	
Tyrrell	-	-	1	1	1	1	-	-	1	1	1	1	1	1	2	2	2	1	1	1	2	2	1	1	1	1	1	1	
Union	36	35	39	47	47	47	54	57	57	54	59	63	63	65	67	69	73	69	94	92	112	113	113	128	128	128	120		
Vance	25	26	27	28	30	32	32	32	41	42	39	45	43	47	52	46	47	48	45	47	55	59	62	64	63	64	67		
Wake	469	480	521	511	540	566	619	657	726	735	825	817	920	958	1,006	1,027	1,072	1,157	1,225	1,281	1,328	1,395	1,423	1,473	1,498	1,504	1,627		
Warren	7	6	8	6	6	8	6	10	11	8	7	6	7	7	12	10	9	9	9	11	13	12	14	10	9	8	9	3	
Washington	7	7	7	8	8	10	8	7	7	5	5	5	5	5	5	4	3	5	6	8	7	7	7	8	8	8	10	7	
Watauga	35	41	44	48	49	52	56	52	59	56	55	55	60	55	55	81	64	66	75	85	93	93	91	91	91	106	105		
Wayne	89	95	100	107	107	110	118	109	114	107	103	113	111	131	139	140	136	143	155	166	170	172	173	181	179	183	186		
Wilkes	21	25	29	31	33	35	37	35	37	41	40	43	43	48	48	54	53	55	66	62	70	72	67	66	64	69	65		
Wilson	71	80	85	85	91	94	95	93	91	87	89	95	85	84	86	91	91	91	91	93	105	102	105	112	105	108	106	106	
Yadkin	7	10	10	13	14	12	17	17	19	15	17	15	15	16	17	18	18	19	19	16	22	19	18	17	18	17	18		
Yancey	11	10	15	8	8	8	9	9	11	10	6	9	10	9	9	12	11	11	11	13	15	12	14	12	13	15	15	16	
State Total	7,242	7,328	7,713	7,972	8,426	8,605	9,094	9,664	10,062	10,088	10,498	10,641	11,266	11,632	12,704	12,870	12,949	13,782	14,366	15,135	15,470	15,925	16,392	16,769	17,090	17,349	17,895		
State Total per 10,000 Population	12.45	12.46	12.95	13.25	13.87	13.96	14.54	15.28	15.71	15.56	15.98	16.04	16.61	16.88	18.05	17.92	17.65	18.40	18.79	19.41	19.49	19.78	20.02	20.11	20.14	20.26	20.66		

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

Primary Care Physicians, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alamance	50	49	54	55	57	56	57	65	60	63	64	61	64	58	62	74	60	65	64	67	70	77	76	74	75	82	91
Alexander	8	9	11	11	9	8	9	8	8	9	8	8	5	5	7	8	7	7	10	9	9	11	13	13	10	11	11
Alleghany	7	3	3	5	4	3	4	4	4	7	5	5	8	6	6	7	9	10	8	12	11	9	11	11	11	11	12
Anson	5	8	7	8	8	10	8	15	12	9	9	9	6	8	9	11	13	13	13	14	12	8	12	12	11	12	9
Ashe	6	5	8	8	8	8	10	11	10	12	11	11	13	12	12	11	13	18	16	13	15	17	17	17	18	16	17
Avery	14	13	14	14	15	14	14	15	14	16	17	15	15	10	13	15	22	23	16	16	17	17	18	15	15	11	14
Beaufort	22	21	22	22	24	22	20	17	19	19	20	23	23	21	21	24	31	29	25	27	30	30	32	32	30	28	30
Bertie	5	5	4	4	5	3	3	6	7	4	4	3	7	8	8	8	7	8	9	8	10	9	10	12	11	10	7
Bladen	8	8	7	7	8	13	13	11	11	11	11	8	8	11	11	11	13	14	12	15	13	16	13	15	20	19	20
Brunswick	12	14	13	12	13	18	18	22	17	19	18	18	20	19	19	18	28	30	20	31	31	36	40	38	37	38	38
Buncombe	129	117	129	124	132	136	134	137	144	148	155	157	163	166	180	189	172	196	211	230	237	265	283	284	296	295	312
Burke	49	45	49	48	49	47	47	51	54	48	48	50	48	53	55	55	54	56	61	70	80	70	67	70	71	71	74
Cabarrus	33	34	35	37	39	39	40	43	45	50	51	52	58	61	62	70	79	90	103	107	117	123	130	131	137	138	155
Caldwell	27	26	26	30	32	34	35	37	36	37	41	37	36	38	40	38	39	45	44	42	44	43	45	48	46	43	41
Camden	1	1	1	1	1	1	1	1	1	2	2	1	1	-	-	-	-	1	-	1	1	2	2	2	2	2	1
Carteret	23	23	24	25	24	24	27	27	24	26	27	30	28	27	30	33	29	37	30	37	38	37	41	40	44	44	42
Caswell	5	4	3	4	4	4	2	4	5	6	3	5	5	6	7	6	6	4	7	8	10	10	13	12	10	12	8
Catawba	66	60	60	60	64	62	65	65	64	68	75	78	74	79	87	84	83	84	93	102	104	132	131	129	132	133	135
Chatham	13	13	14	15	17	13	15	15	14	17	15	14	17	17	18	20	19	18	21	23	30	27	29	30	28	32	25
Cherokee	10	10	12	16	17	16	15	15	14	15	15	14	14	15	17	15	17	16	21	24	22	22	22	23	23	23	23
Chowan	10	14	12	12	10	9	10	14	13	13	13	12	11	12	12	13	11	13	13	14	11	13	14	14	13	15	17
Clay	3	3	4	3	3	1	2	2	2	4	4	2	3	2	2	4	6	6	3	3	5	4	6	5	5	5	6
Cleveland	48	41	43	45	44	44	42	39	47	47	48	45	45	46	46	47	49	56	65	66	63	65	75	77	75	75	81
Columbus	17	18	19	21	23	20	24	30	25	26	24	22	20	19	22	25	21	22	25	25	24	25	27	26	27	27	31
Craven	43	35	38	36	39	41	38	44	39	40	40	40	43	44	50	58	49	57	65	72	67	66	71	75	73	80	73
Cumberland	96	73	79	84	76	100	97	106	102	102	106	110	120	135	148	152	148	184	184	207	203	205	210	206	213	209	209
Currituck	3	2	3	4	3	3	3	3	5	5	4	5	3	3	3	3	3	3	3	5	6	5	5	5	5	4	4
Dare	9	11	10	9	9	8	9	14	13	15	14	14	15	13	12	12	13	13	14	14	16	20	17	20	27	26	27
Davidson	42	43	41	41	41	42	44	43	43	47	46	49	51	53	57	64	62	69	63	67	71	69	70	72	72	69	71
Davie	10	11	7	8	8	7	9	10	8	9	10	6	6	10	12	12	11	12	13	14	11	14	14	14	13	14	15
Duplin	14	15	17	21	23	23	21	25	22	18	15	17	16	18	18	17	20	24	22	26	27	25	25	25	25	22	28
Durham	280	224	245	245	290	271	284	343	294	355	364	366	372	395	513	484	407	414	402	443	431	434	470	484	513	524	546
Edgecombe	12	16	13	17	18	24	25	23	22	20	15	15	15	15	19	21	22	23	22	21	18	21	24	23	22	23	23
Forsyth	255	221	243	241	268	239	263	296	268	304	286	273	288	287	342	308	302	309	329	349	363	384	408	406	404	424	429
Franklin	8	10	9	8	8	11	8	13	11	13	13	10	10	12	12	9	11	12	11	17	16	15	17	18	16	15	21
Gaston	67	60	68	66	67	67	69	67	70	73	77	74	81	87	88	101	107	113	110	121	130	138	147	144	146	157	160
Gates	2	2	-	3	2	2	2	3	3	3	3	2	2	2	2	1	2	1	2	1	2	2	2	3	3	3	1
Graham	4	5	7	5	5	3	4	4	4	3	3	4	4	3	3	4	5	6	5	3	3	4	3	4	3	3	4
Granville	19	19	19	20	18	18	21	27	30	26	22	29	26	24	24	31	25	27	29	30	34	30	31	33	30	29	33
Greene	1	2	1	2	3	4	4	7	4	3	3	3	4	2	3	1	3	1	1	2	3	3	4	6	5	5	7
Guilford	225	205	206	203	214	203	220	234	246	248	238	252	248	256	266	265	269	302	329	353	348	366	369	391	400	414	430
Halifax	23	23	22	30	30	22	22	22	22	24	26	26	28	28	25	28	27	32	37	40	34	38	35	36	40	41	42
Harnett	17	22	21	19	21	25	24	24	24	22	24	21	23	23	23	33	32	37	36	38	37	37	43	41	47	47	37
Haywood	30	24	24	25	27	26	27	30	27	25	30	32	27	30	31	29	27	33	35	38	38	37	40	41	43	43	43
Henderson	42	40	39	37	37	41	41	53	51	48	48	49	53	51	57	58	55	55	76	74	80	89	89	94	107	103	108
Hertford	15	15	17	17	17	13	14	18	16	17	16	15	14	16	17	19	19	22	22	22	24	23	21	19	17	20	20
Hoke	3	3	3	5	5	7	7	5	5	6	7	6	5	7	6	6	9	9	17	13	16	15	14	12	11	11	9
Hyde	2	2	2	4	5	3	3	2	2	2	1	4	2	1	1	1	2	1	1	1	2	1	2	1	2	1	1
Iredell	46	42	47	43	42	42	43	43	44	49	50	49	51	52	55	61	61	68	78	89	93	91	96	101	98	101	116
Jackson	25	19	16	21	18	21	20	26	23	32	30	29	31	26	29	29	30	32	36	40	38	38	39	35	38	38	43

Note: Includes active, in-state, non-federal, non-resident-in-training MDs and DOs indicating a primary specialty of Family Practice, General Practice, Internal Medicine, Ob/Gyn or Pediatrics, and licensed as of October 31 of the respective year.

Johnston	25	27	26	25	26	27	25	28	25	30	35	30	32	31	30	46	44	46	41	49	46	49	56	54	59	66	63	
Jones	7	8	4	3	3	1	6	5	9	9	11	6	8	5	6	7	8	9	10	7	17	17	17	14	15	15	13	19
Lee	24	25	27	30	31	34	31	29	29	29	32	27	32	33	34	36	31	37	32	36	38	39	39	41	42	44	42	
Lenoir	34	33	33	33	35	32	36	36	36	35	32	30	35	34	35	34	32	36	33	41	38	39	44	51	49	47	46	
Lincoln	19	20	21	21	22	21	19	16	18	17	19	19	23	21	22	24	29	34	31	37	35	35	33	36	38	36	33	
McDowell	15	16	15	15	15	15	16	17	15	16	16	19	20	21	21	19	20	22	23	22	20	20	21	22	21	21	21	
Macon	12	11	11	12	12	12	16	16	14	14	17	17	16	18	18	16	14	17	22	21	24	30	32	28	32	31	36	
Madison	10	11	9	11	9	5	7	8	7	8	6	8	7	7	7	11	9	9	10	10	9	11	11	12	13	13	15	
Martin	11	11	13	12	14	13	13	10	11	13	15	8	10	10	12	14	13	16	14	19	13	16	12	14	13	14	15	
Mecklenburg	272	251	273	262	270	284	298	336	343	378	412	390	419	442	483	500	527	573	629	671	620	640	655	691	724	755	798	
Mitchell	7	9	8	13	14	14	16	15	16	15	14	13	12	11	10	11	10	13	15	13	13	16	14	14	15	18	16	
Montgomery	7	7	9	11	12	10	11	11	9	9	5	4	4	5	5	4	3	6	9	9	10	11	11	11	9	10	10	
Moore	34	29	28	31	30	30	32	37	35	30	31	34	31	32	31	36	40	47	48	54	58	57	63	68	69	72	79	
Nash	7	41	41	44	41	41	43	46	44	51	52	46	49	47	50	53	59	67	70	78	71	76	77	71	73	83	89	
New Hanover	84	67	72	75	85	80	86	88	87	87	95	89	91	98	106	120	126	134	161	167	166	174	180	200	210	207	225	
Northampton	9	11	10	8	7	8	7	4	6	6	6	6	6	7	7	5	5	7	5	7	8	8	7	6	7	6	6	
Onslow	32	29	23	26	30	27	27	35	39	43	44	43	56	55	62	63	56	61	65	79	82	71	60	68	59	58	62	
Orange	267	195	217	206	256	242	224	294	253	283	316	297	345	336	389	358	287	325	318	335	336	379	385	409	424	408	413	
Pamlico	4	5	4	4	3	4	4	4	3	4	3	3	5	4	5	4	3	3	6	4	6	7	8	6	8	7	6	
Pasquotank	26	21	24	24	24	23	23	21	23	22	22	22	24	23	24	28	29	33	34	37	37	37	36	40	38	36	38	
Pender	5	4	5	6	5	6	5	7	6	9	8	11	8	12	13	14	13	11	10	12	9	13	13	12	11	11	11	
Perquimans	1	1	1	-	1	2	2	3	3	1	2	3	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	
Person	8	8	10	8	9	9	10	11	10	10	10	8	11	10	11	11	11	11	10	12	12	15	18	16	17	20	21	
Pitt	86	76	93	99	109	100	93	138	134	145	140	151	148	170	209	179	181	191	206	212	186	220	222	233	235	233	260	
Polk	11	14	12	15	12	11	11	12	13	15	14	11	12	8	8	13	11	11	10	10	9	8	13	11	12	12	11	
Randolph	27	27	26	27	28	28	28	30	30	34	36	33	32	31	32	38	48	50	46	54	66	68	64	70	70	74	67	
Richmond	13	16	15	14	15	17	16	17	18	14	16	19	18	19	19	26	23	24	24	33	36	35	33	32	34	31	34	
Robeson	42	38	35	44	45	43	43	49	42	39	42	42	44	45	45	46	48	52	56	62	70	77	79	78	75	75	74	
Rockingham	33	40	40	41	40	37	38	31	32	40	45	42	44	44	46	46	49	52	57	58	53	52	57	55	51	56	59	
Rowan	43	52	51	53	55	54	50	52	56	57	55	50	56	58	61	63	60	64	67	76	74	75	74	76	72	74	71	
Rutherford	21	23	27	24	25	24	22	26	24	22	27	24	26	28	29	31	33	34	36	43	44	44	43	45	44	45	47	
Sampson	27	25	27	27	28	27	26	28	24	24	23	23	24	21	23	24	22	22	22	22	22	26	27	26	25	33	30	
Scotland	18	18	20	21	20	21	20	16	17	17	20	19	18	22	26	23	20	22	22	28	24	26	28	30	31	30	31	
Stanly	19	19	22	21	23	23	23	22	22	20	23	24	23	22	25	24	28	30	34	35	32	34	33	43	45	47	40	
Stokes	10	9	8	9	9	8	8	7	7	8	7	6	6	7	7	8	9	10	12	13	16	14	14	13	13	12	13	
Surry	27	24	25	24	23	27	27	29	31	28	29	32	34	34	36	37	37	43	49	52	52	57	55	56	62	61	62	
Swain	6	5	5	9	8	7	6	6	6	6	7	7	7	8	10	7	6	6	4	9	9	8	8	10	18	16	16	
Transylvania	14	15	14	14	15	16	16	18	15	17	16	16	18	17	18	19	16	18	15	20	26	25	24	24	25	27	25	
Tyrrell	-	-	1	1	1	1	-	-	1	1	1	1	1	1	2	2	1	1	1	1	2	1	1	1	1	1	1	
Union	21	24	25	28	28	28	28	30	26	26	32	32	31	29	32	33	40	34	37	44	55	61	62	72	67	64	72	
Vance	14	14	14	16	18	18	18	15	18	20	20	21	21	20	21	19	21	21	16	20	23	28	31	32	31	34	37	
Wake	227	212	229	216	218	230	245	286	301	320	362	346	384	390	408	411	439	503	540	565	553	595	617	642	651	656	695	
Warren	5	4	5	5	5	6	2	6	8	6	6	4	6	10	10	9	6	6	9	11	9	11	8	8	7	8	3	
Washington	6	6	6	7	7	9	6	6	6	5	5	6	5	5	4	3	4	5	6	5	4	3	4	5	5	6	6	
Watauga	17	20	22	23	24	27	28	24	24	26	28	27	27	26	26	36	28	26	27	36	38	37	38	37	39	49	44	
Wayne	38	41	41	49	48	50	48	48	48	43	44	48	42	50	52	55	52	61	67	76	67	78	80	82	79	84	79	
Wilkes	14	16	19	20	22	23	23	20	22	26	25	25	26	25	28	28	29	33	38	35	38	41	39	39	35	38	38	
Wilson	36	38	41	38	42	44	41	37	37	38	33	38	34	29	30	35	36	33	33	39	39	42	47	46	46	43	47	
Yadkin	5	8	8	11	12	10	13	14	13	11	14	13	12	12	15	15	15	15	11	19	17	16	16	16	16	16	16	
Yancey	11	9	14	8	8	8	9	10	9	6	8	7	8	9	9	10	10	10	12	14	11	13	12	13	15	15	16	
State Total	3,644	3,327	3,505	3,549	3,756	3,708	3,782	4,193	4,073	4,318	4,457	4,385	4,581	4,695	5,174	5,250	5,150	5,614	5,886	6,380	6,364	6,696	6,908	7,125	7,265	7,401	7,660	
State Total per 10,000 Population	6.26	5.66	5.89	5.90	6.18	6.02	6.05	6.63	6.66	6.79	6.61	6.76	6.81	7.35	7.31	7.02	7.49	7.70	8.18	8.02	8.32	8.44	8.55	8.56	8.64	8.84		

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

Podiatrists, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alamance	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	2	3	2	2	3	4	2	4	4
Alexander	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alleghany	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-
Anson	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ashe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Avery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beaufort	1	1	1	1	1	2	2	1	2	2	2	1	1	1	1	1	1	1	1	2	3	3	4	5	4	4	4
Bertie	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bladen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	1	1	2	2	2	2
Buncombe	2	4	3	3	3	3	5	6	6	8	8	8	8	8	9	7	7	7	7	7	8	7	7	7	9	8	10
Burke	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cabarrus	1	1	1	1	1	3	2	2	2	3	3	3	3	2	3	4	3	3	3	3	3	5	4	4	3	3	4
Caldwell	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	2	2	2	2	3	2	1	1
Camden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carteret	-	-	-	1	1	1	1	1	1	1	1	2	1	2	2	2	1	1	1	1	1	2	1	2	2	3	3
Caswell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1
Catawba	1	1	1	1	1	1	1	1	2	3	4	4	4	4	4	5	5	5	5	5	6	6	6	6	7	8	9
Chatham	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Cherokee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chowan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cleveland	3	2	2	2	2	2	2	2	2	2	2	3	3	4	4	4	5	4	3	3	3	3	3	3	3	3	3
Columbus	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1
Craven	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	4	3
Cumberland	4	5	5	6	5	6	5	4	5	6	6	6	6	8	8	8	8	9	7	7	6	8	8	10	10	11	9
Currituck	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dare	-	-	-	-	-	-	-	-	-	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Davidson	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Davie	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Duplin	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	2
Durham	2	2	4	6	6	5	5	4	5	4	4	4	4	4	4	7	8	9	8	8	9	9	8	8	6	8	6
Edgecombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	2	3	2	2	3	2
Forsyth	11	11	12	13	12	12	13	15	16	19	20	18	19	18	18	17	16	15	15	15	17	16	18	21	20	20	17
Franklin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gaston	2	2	2	2	2	3	3	2	2	3	3	4	4	4	4	4	4	4	3	3	3	5	5	5	6	6	6
Gates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Graham	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Granville	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1
Greene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guilford	8	8	8	9	9	9	9	12	12	13	14	15	16	16	17	17	17	18	19	18	16	15	16	16	18	17	16
Halifax	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Harnett	-	-	-	1	1	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
Haywood	-	-	-	-	1	1	1	1	1	-	-	-	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3
Henderson	-	-	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	2	3	4
Hertford	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hyde	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iredell	1	3	2	2	2	2	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3
Jackson	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1

Note: Includes active, instate podiatrists licensed as of October 31 of the respective year.

Psychological Associates, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
Alamance	3	2	2	4	4	3	5	3	5	4	5	5	6	7	6	3	4	4	4	3	5	5	4	4	5	4	4	
Alexander	-	-	-	-	-	-	1	1	-	-	1	1	1	1	1	1	1	1	2	1	1	-	-	-	-	4	5	
Alleghany	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Anson	1	1	2	2	2	2	3	2	3	3	2	3	2	2	4	4	4	5	5	5	5	3	3	4	4	5	4	
Ashe	1	1	2	2	2	2	1	2	1	1	1	1	1	1	-	-	2	2	2	1	2	2	2	3	3	3	5	
Avery	1	3	3	4	4	5	5	3	2	4	3	2	3	3	4	4	4	5	4	4	4	4	3	3	2	2	1	
Beaufort	2	2	2	3	2	3	3	3	4	4	4	4	4	4	4	5	4	3	5	4	4	3	4	5	3	6	5	
Bertie	-	-	-	-	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	1	1	1	1	2	
Bladen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Brunswick	1	1	1	1	2	3	3	3	4	2	2	3	2	1	1	2	3	4	4	4	2	2	1	1	1	1	1	
Buncombe	10	13	20	22	28	29	35	31	32	29	35	38	38	38	39	44	53	49	53	53	55	57	57	58	62	63	51	
Burke	6	10	21	23	29	36	38	41	43	39	31	33	29	31	37	38	42	44	43	42	39	40	46	45	43	41	40	
Cabarrus	6	4	5	5	4	5	5	8	10	9	8	7	9	6	10	11	12	13	18	18	18	21	24	22	21	19	19	
Caldwell	1	2	3	2	4	5	8	8	6	5	7	8	9	9	9	8	7	7	7	7	9	6	7	4	5	3	5	
Camden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Carteret	-	-	1	2	2	3	2	2	2	2	3	2	1	1	1	2	3	4	4	4	2	2	1	1	1	1	2	
Caswell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	3	3	5	1	1	1	1	1	
Catawba	1	2	2	3	8	11	12	10	12	12	11	9	11	11	12	12	17	17	16	16	22	19	19	20	22	23	24	
Chatham	-	-	1	2	-	1	2	1	-	1	3	2	2	3	6	6	6	5	6	5	5	5	6	7	6	6	5	
Cherokee	2	3	4	4	2	2	3	4	4	4	5	4	6	5	5	5	5	5	4	3	2	3	3	3	4	4	4	
Chowan	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	
Clay	1	1	1	1	-	1	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	
Cleveland	2	2	1	3	5	4	5	6	7	7	10	10	10	8	11	11	15	16	16	15	13	10	9	8	10	8	7	
Columbus	-	-	-	-	2	2	2	1	1	1	1	1	1	1	2	2	1	4	4	4	2	3	2	1	1	-	-	
Craven	1	3	2	2	3	5	5	9	8	7	9	8	9	9	8	11	13	13	17	19	16	14	18	16	16	15	15	
Cumberland	7	11	13	13	12	16	18	18	21	17	19	21	25	25	29	38	41	38	39	32	30	34	32	33	31	27	25	
Currituck	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	2	1	1	1	1	1	2	2	2	1	1	
Dare	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	
Davidson	2	2	3	4	6	7	11	11	8	9	6	7	7	10	7	8	9	8	8	7	7	7	8	6	7	5	6	
Davie	2	2	2	2	2	2	2	2	2	2	2	2	1	1	-	-	1	1	1	1	-	2	1	1	1	-	-	
Duplin	-	1	-	1	2	3	1	1	1	2	2	1	1	2	2	2	2	2	1	2	1	2	2	2	1	1	2	
Durham	5	4	9	12	11	13	12	16	14	15	19	22	20	21	26	25	29	30	29	26	31	25	20	19	19	15	17	
Edgecombe	1	2	3	5	4	5	7	9	6	5	7	3	5	5	4	5	5	6	7	5	4	4	4	5	4	4	4	
Forsyth	16	24	25	25	26	25	24	28	29	28	29	30	28	26	35	36	33	39	33	34	31	29	30	27	29	27	29	
Franklin	-	-	-	-	1	1	1	1	1	-	1	-	1	2	3	3	2	2	2	2	2	3	2	1	3	1	2	1
Gaston	2	5	6	7	7	9	10	10	7	9	8	10	10	11	14	15	14	16	14	15	17	13	14	15	12	9	11	
Gates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
Graham	1	1	2	1	1	1	-	1	1	1	1	1	1	1	1	1	1	-	1	-	-	-	-	-	-	-	-	
Granville	3	7	9	11	12	15	20	21	21	19	15	15	15	15	21	21	29	25	21	28	29	23	24	27	25	26	29	
Greene	-	-	-	1	2	4	3	1	1	3	2	4	4	4	4	2	3	5	3	3	4	4	3	4	6	5	5	
Guilford	22	21	27	32	32	38	49	42	46	46	53	52	53	49	51	61	60	58	57	51	52	52	56	56	52	53	53	
Halifax	-	-	3	2	4	4	4	3	3	3	5	4	4	5	5	6	4	5	5	7	6	3	2	4	5	2	3	
Harnett	-	-	1	1	3	2	1	2	3	3	3	3	4	5	4	4	5	5	5	6	7	6	6	5	7	8	10	
Haywood	2	4	7	3	4	4	5	6	4	6	5	7	5	5	6	5	5	5	5	4	4	7	8	7	5	7	8	
Henderson	4	4	4	4	5	5	3	5	8	9	5	5	7	7	6	7	8	9	8	9	9	6	5	4	5	3	4	
Hertford	-	1	4	3	3	3	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	6	7	8	7	4	
Hoke	2	2	4	4	3	2	3	4	2	2	3	2	3	4	5	6	8	4	5	4	4	3	4	2	3	3	3	
Hyde	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	
Iredell	2	2	2	2	2	3	5	6	4	7	8	7	9	10	9	11	12	11	9	13	15	12	12	11	11	13	13	
Jackson	-	2	5	5	6	9	9	8	7	8	8	9	13	13	16	10	10	15	15	14	14	13	15	13	12	10	14	

Note: Includes active, instate psychological associates licensed as of October 31 of the respective year.

Psychologists, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
Alamance	8	6	9	10	12	10	11	11	8	10	11	11	10	10	13	13	13	13	13	11	10	9	9	10	9	9	9	
Alexander	-	-	-	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	1	1	-	-	-	-	-	1	
Alleghany	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Anson	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ashe	-	-	-	-	-	1	1	-	-	-	-	1	-	1	1	1	1	2	2	1	1	1	1	1	1	3	3	
Avery	-	-	-	-	-	-	-	2	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	2	2	2	
Beaufort	1	1	2	2	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	
Bertie	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bladen	-	-	-	-	-	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	
Brunswick	-	-	-	-	1	1	1	1	1	1	2	3	3	3	3	1	1	1	1	1	1	2	2	2	3	3	3	
Buncombe	24	22	26	29	30	33	33	34	41	42	46	44	47	56	61	65	69	76	77	77	80	78	82	88	91	98	104	
Burke	11	13	16	18	18	20	22	23	21	20	24	25	29	28	27	26	28	26	31	32	33	31	32	34	35	33	37	
Cabarrus	-	1	2	2	3	3	3	4	5	6	9	10	7	6	9	11	12	12	10	13	13	15	16	17	16	16	15	
Caldwell	-	1	1	-	-	-	-	-	-	2	2	1	1	1	2	2	2	2	2	2	3	2	2	1	1	3	4	
Camden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Carteret	1	1	1	1	1	1	1	1	3	3	4	3	6	6	6	8	10	11	10	10	9	8	8	8	8	6	6	
Caswell	1	1	2	1	1	-	-	1	2	1	1	1	1	1	-	-	1	-	-	-	-	-	-	-	1	1	1	
Catawba	2	5	6	5	5	7	7	7	10	9	10	11	11	11	7	8	12	13	12	13	14	11	12	14	14	11	11	
Chatham	1	-	1	-	1	1	1	1	2	2	3	2	2	2	3	4	4	5	7	6	5	4	2	2	3	3	3	
Cherokee	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	2	3	
Chowan	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cleveland	-	1	1	2	1	1	2	2	4	5	5	4	3	3	6	4	6	5	5	4	5	3	4	5	3	2	2	
Columbus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Craven	2	2	3	4	5	5	6	8	8	9	9	6	8	7	10	10	10	10	10	10	10	12	13	12	13	12	13	
Cumberland	10	10	10	9	13	15	18	22	27	29	23	23	35	39	40	42	46	43	46	39	41	33	34	33	37	33	38	
Currituck	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Dare	1	1	1	1	2	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	
Davidson	-	2	1	2	3	4	4	3	3	2	2	3	3	4	3	3	3	3	3	5	6	4	3	3	3	3	3	
Davie	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Duplin	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	-	-	-	-	-	-	
Durham	61	57	63	64	66	64	83	90	112	95	112	117	119	124	125	127	142	133	132	138	150	145	160	182	200	191	207	
Edgecombe	-	-	1	1	1	1	-	-	1	-	1	2	1	1	2	2	2	3	3	4	4	2	2	2	1	2	2	
Forsyth	28	40	46	55	59	64	68	68	79	79	85	84	81	81	88	85	87	84	85	88	93	84	88	83	85	83	84	
Franklin	-	-	-	1	1	1	1	1	-	-	1	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	
Gaston	6	5	4	7	4	5	6	7	6	7	7	6	7	6	7	8	9	10	11	12	13	11	12	12	13	14	14	
Gates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Graham	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Granville	14	17	19	20	23	24	28	30	30	27	27	26	25	25	30	30	38	34	36	29	33	32	35	31	36	38	43	
Greene	-	-	-	-	-	1	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Guilford	45	48	48	54	62	70	75	81	91	90	91	92	91	90	91	93	98	105	106	101	104	97	101	97	98	94	96	
Halifax	3	2	2	2	4	5	4	5	7	6	6	5	5	5	5	4	4	4	5	5	5	4	4	4	4	4	4	
Harnett	-	2	-	-	-	-	2	2	2	2	1	1	1	3	5	5	5	6	6	5	5	4	4	4	4	4	3	4
Haywood	2	2	3	3	2	3	3	3	3	2	2	2	2	2	2	5	4	4	2	3	3	2	1	2	2	2	3	
Henderson	4	5	5	5	5	5	5	5	6	6	5	7	6	6	7	7	9	10	9	11	11	8	8	12	11	9	9	
Hertford	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	-	1	-	1	
Hoke	-	-	1	1	1	1	1	1	1	1	1	1	2	2	2	1	3	1	1	-	1	1	1	1	1	1	1	
Hyde	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Iredell	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	8	8	9	11	11	11	10	10	10	9	9	
Jackson	9	9	12	10	10	8	10	9	11	9	11	10	9	10	9	10	10	11	11	12	12	14	14	16	17	15	17	

Note: Includes active, instate psychologists licensed as of October 31 of the respective year.

Registered Nurses, 1979-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alamance	280	309	334	352	372	384	390	404	408	425	463	488	524	543	578	603	665	687	718	732	763	776	853	806	809	798	806
Alexander	30	38	37	42	44	47	45	45	43	50	57	61	52	57	72	84	101	103	91	98	99	100	124	79	77	87	105
Alleghany	24	24	22	20	23	23	22	23	22	26	33	38	36	34	43	42	46	52	49	54	73	79	89	81	81	76	56
Anson	42	58	57	57	56	60	63	68	69	71	75	79	78	66	70	96	111	103	104	117	126	135	137	126	123	129	131
Ashe	42	37	38	43	42	39	42	45	50	49	55	57	72	69	74	96	104	136	144	137	154	147	169	135	125	121	119
Avery	73	78	78	78	75	78	78	95	96	99	97	104	106	110	126	133	144	151	154	140	149	157	157	163	142	133	142
Beaufort	140	139	174	172	177	194	198	199	192	199	212	237	246	278	270	282	317	345	366	370	403	411	452	373	375	386	398
Bertie	27	35	35	33	35	36	36	27	21	31	36	31	43	43	47	55	66	76	81	87	88	100	105	101	106	101	95
Bladen	55	61	61	60	66	72	71	72	76	80	84	82	93	95	107	131	146	164	168	169	174	175	162	157	157	158	148
Brunswick	67	81	76	86	82	82	91	113	120	125	138	139	161	180	179	200	222	251	264	278	289	319	385	411	398	409	427
Buncombe	1,153	1,236	1,300	1,377	1,480	1,528	1,561	1,641	1,730	1,797	1,893	2,002	2,133	2,289	2,454	2,560	2,599	2,678	2,824	2,938	3,079	3,144	3,256	3,381	3,408	3,459	3,583
Burke	472	470	508	545	565	595	598	621	625	616	608	641	679	689	721	768	786	808	841	849	875	885	950	899	895	917	929
Cabarrus	375	408	428	455	453	449	455	463	480	479	521	545	579	628	716	828	939	1,025	1,155	1,192	1,234	1,241	1,366	1,371	1,391	1,419	1,511
Caldwell	139	164	169	174	192	191	208	222	217	216	243	255	283	314	307	333	350	358	366	369	373	410	392	381	383	377	368
Camden	5	5	5	5	4	3	3	5	2	3	4	5	7	9	10	7	12	12	16	26	17	22	26	21	25	18	17
Carteret	144	173	187	182	177	192	196	196	199	221	238	247	257	277	304	320	359	381	390	408	411	424	450	433	438	434	449
Caswell	12	14	16	13	16	12	13	15	18	21	29	26	28	29	37	38	54	54	58	65	71	76	79	68	54	49	58
Catawba	412	466	493	558	600	640	680	730	767	785	813	873	965	1,050	1,089	1,127	1,178	1,196	1,253	1,331	1,420	1,465	1,505	1,558	1,597	1,648	1,682
Chatham	61	72	80	74	78	72	83	92	90	85	95	116	127	127	137	144	169	191	175	182	216	213	259	222	211	226	228
Cherokee	52	54	62	67	74	84	85	83	83	94	94	102	103	114	132	142	146	154	164	189	200	210	212	226	220	196	194
Chowan	39	51	51	60	65	65	78	78	81	80	75	82	96	115	116	117	114	108	121	134	131	120	126	131	129	140	147
Clay	18	12	18	12	21	22	22	25	24	27	32	27	32	29	26	32	40	51	59	56	59	70	59	51	53	43	41
Cleveland	355	365	383	384	392	399	413	415	422	423	424	420	435	469	498	525	565	600	641	690	735	755	787	787	792	802	844
Columbus	151	156	168	178	191	187	188	199	211	230	259	288	325	338	326	327	375	399	428	441	462	492	456	475	459	448	444
Craven	250	288	314	327	373	411	433	486	514	539	542	561	584	575	613	616	669	737	757	800	830	850	890	883	878	908	944
Cumberland	812	855	923	918	957	1,004	1,046	1,088	1,197	1,296	1,370	1,416	1,494	1,609	1,738	1,796	1,945	2,038	2,067	2,127	2,235	2,275	2,208	2,157	2,189	2,181	2,222
Currituck	6	8	6	4	4	5	3	5	9	6	12	19	18	24	17	21	31	40	36	41	55	65	58	63	48	48	65
Dare	20	21	20	32	31	39	46	56	56	62	68	83	81	88	86	95	111	120	127	138	162	176	182	202	223	228	225
Davidson	313	326	334	327	354	366	383	366	370	383	410	437	449	485	524	581	638	680	693	693	703	726	734	711	708	684	695
Davie	67	65	69	66	69	72	76	90	97	97	108	96	103	101	103	111	148	158	162	160	152	137	152	119	118	119	112
Duplin	117	114	111	112	111	117	116	123	132	120	134	148	158	176	185	198	197	214	232	229	236	233	270	269	259	256	261
Durham	2,131	2,294	2,504	2,635	2,856	2,899	2,951	3,203	3,423	3,586	3,679	3,954	4,042	4,110	4,335	4,417	4,299	4,136	4,240	4,309	4,442	4,501	4,573	4,689	4,798	4,874	5,065
Edgecombe	270	157	151	138	155	181	186	195	183	171	175	191	205	213	221	233	259	268	272	290	285	280	293	279	282	273	306
Forsyth	2,053	2,106	2,251	2,383	2,492	2,569	2,600	2,748	2,841	2,978	3,088	3,330	3,440	3,597	3,760	3,882	3,955	4,011	4,101	4,276	4,415	4,524	4,645	4,719	4,985	5,180	5,395
Franklin	48	56	61	63	54	64	60	56	52	51	61	59	73	87	114	140	156	182	215	221	216	196	211	206	187	197	202
Gaston	465	507	534	581	605	634	641	660	665	698	738	782	848	920	999	1,020	1,123	1,170	1,254	1,271	1,294	1,314	1,322	1,321	1,355	1,375	1,458
Gates	4	4	5	4	2	2	3	4	2	2	4	11	9	12	16	9	13	25	29	25	28	23	29	18	22	24	23
Graham	6	6	6	6	5	7	6	7	7	8	6	7	10	14	19	17	26	32	27	28	37	37	38	33	32	31	31
Granville	165	191	218	212	212	230	257	276	280	277	277	282	306	326	339	370	391	420	436	434	455	477	488	496	496	518	508
Greene	15	16	15	16	13	16	21	22	21	24	25	27	29	31	29	31	46	49	53	57	68	68	64	64	66	64	71
Guilford	1,934	2,149	2,279	2,380	2,491	2,539	2,689	2,794	2,885	2,941	3,084	3,191	3,318	3,472	3,652	3,768	3,938	4,059	4,211	4,326	4,456	4,516	4,461	4,616	4,666	4,753	4,891
Halifax	152	163	176	176	187	196	205	231	239	242	256	284	307	308	345	357	371	386	403	404	411	430	412	430	417	419	388
Harnett	125	130	132	131	146	166	185	191	194	193	187	181	205	208	228	236	246	269	276	322	337	362	370	333	354	364	357
Haywood	140	146	151	166	177	187	184	201	194	197	200	208	225	240	235	247	276	315	350	376	358	362	382	377	392	405	411
Henderson	296	322	348	333	335	339	332	340	352	378	411	459	489	527	562	619	658	664	694	728	753	800	906	878	916	930	923
Hertford	94	103	106	108	110	113	127	145	149	152	163	169	171	183	194	212	226	225	218	225	227	233	243	252	256	266	269
Hoke	56	60	61	53	46	45	48	49	43	50	54	59	64	66	59	68	72	78	90	102	114	103	90	79	93	101	107
Hyde	2	7	5	6	6	7	5	3	3	6	7	9	9	13	10	14	14	18	20	25	30	32	30	27	21	22	24
Iredell	448	452	471	483	516	541	562	577	589	664	725	798	837	890	965	1,000	1,039	1,039	1,051	1,057	1,160	1,214	1,343	1,363	1,437	1,473	1,519
Jackson	86	100	102	106	104	115	111	126	122	131	148	155	166	179	200	222	245	253	277	277	284	289	321	300	314	301	314

Note: Includes active, instate RNs licensed as of October 31 of the respective year.

Respiratory Therapists, 2004-2005

COUNTY	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
Alamance																										22	18	
Alexander																											1	3
Alleghany																											5	4
Anson																											9	9
Ashe																											7	10
Avery																											6	6
Beaufort																											18	18
Bertie																											4	3
Bladen																											14	13
Brunswick																											19	18
Buncombe																											162	156
Burke																											21	19
Cabarrus																											51	52
Caldwell																											17	18
Camden																											-	-
Carteret																											30	37
Caswell																											-	-
Catawba																											68	69
Chatham																											4	4
Cherokee																											15	14
Chowan																											3	3
Clay																											-	-
Cleveland																											31	35
Columbus																											25	28
Craven																											51	56
Cumberland																											122	122
Currituck																											-	-
Dare																											5	4
Davidson																											27	27
Davie																											4	3
Duplin																											9	10
Durham																											168	188
Edgecombe																											17	16
Forsyth																											264	276
Franklin																											9	9
Gaston																											34	38
Gates																											-	-
Graham																											-	-
Granville																											6	7
Greene																											-	-
Guilford																											197	204
Halifax																											23	24
Harnett																											37	31
Haywood																											20	21
Henderson																											45	44
Hertford																											18	19
Hoke																											4	4
Hyde																											-	-
Iredell																											47	52
Jackson																											21	26

Note: Includes active, in-state respiratory therapists licensed as of October 31 of the respective year. Respiratory therapists were added to the HPDS in 2004. No data are available from 1979-2003.

Johnston																																									22	27
Jones																																									3	3
Lee																																								23	23	
Lenoir																																									35	36
Lincoln																																									14	14
McDowell																																									12	11
Macon																																									16	16
Madison																																								-	-	
Martin																																									18	17
Mecklenburg																																									372	399
Mitchell																																									5	6
Montgomery																																									7	8
Moore																																									64	61
Nash																																									37	44
New Hanover																																									108	111
Northampton																																								-	-	
Onslow																																									26	24
Orange																																									94	98
Pamlico																																								1	-	
Pasquotank																																									26	24
Pender																																									7	6
Perquimans																																								-	-	
Person																																									6	6
Pitt																																									121	121
Polk																																									9	7
Randolph																																									15	17
Richmond																																									20	26
Robeson																																									45	48
Rockingham																																									25	28
Rowan																																									29	34
Rutherford																																									20	20
Sampson																																									15	15
Scotland																																									21	23
Stanly																																									23	23
Stokes																																									4	4
Surry																																									23	27
Swain																																									4	4
Transylvania																																									5	5
Tyrrell																																								-	-	
Union																																									25	23
Vance																																									14	16
Wake																																									201	221
Warren																																								-	-	
Washington																																									3	4
Watauga																																									25	22
Wayne																																									40	35
Wilkes																																									14	17
Wilson																																									21	20
Yadkin																																								-	-	
Yancey																																									-	1
State Total																																									3,278	3,413
State Total per 10,000 Population																																									3.83	3.94

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

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Appendix 2

History of the North Carolina Health Professions Data System

PHARMACISTS • PHYSICAL • THER
PHYSICAL • THERAPIST • ASSISTA
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D • PRACTICAL • NURSES • DENTIST
AL • HYGIENISTS • OPTOMETRISTS

History of the North Carolina Health Professions Data System

Compiled by Priscilla A. Guild and Gordon H. DeFriese

In 1973, the Division of Education and Research in Community Medical Care of the UNC-CH School of Medicine approached the Cecil G. Sheps Center for Health Services Research of the University of North Carolina at Chapel Hill with a request that the Center begin efforts to compile a statewide database on physician personnel practicing in North Carolina. Funds were made available to the Center from the School of Medicine to facilitate the compilation of data from the Physician Masterfile of the American Medical Association and the North Carolina State Board of Medical Examiners (now the North Carolina Medical Board). Then, in 1974, the National Center for Health Statistics (NCHS) solicited proposals from every state for the development of various components of the Cooperative Health Statistics System, with a statewide health manpower statistics component being one of these subsystems. The North Carolina State Center for Health Statistics asked the Sheps Center staff to assist with the preparation of the several proposals required for North Carolina to participate in this national program. The Sheps Center took the lead in preparing both the Health Manpower and the Health Care Facilities components of the North Carolina application. Both components, in addition to the Vital Statistics component prepared by the State Center, were funded. The Sheps Center then undertook to work with the 14 independent health professional licensure boards to establish a common data set on all 20 licensed health professions in North Carolina.

In this same period of time, the North Carolina Area Health Education Centers Program was being created through the award of federal funds from the Federal Bureau of Health Professions. Subsequently, the North Carolina General Assembly appropriated state funds for the further support of the North Carolina AHEC Program, and in this appropriation were funds for the development and maintenance of a statewide information system by which the supply and distribution of licensed health personnel could be tracked. It was these funds made available through the initial state appropriation to the AHEC Program which first made possible the annual analysis and dissemination of health manpower data. Thus, the funds from the Cooperative Health Statistics System, plus the AHEC funds for analysis and dissemination, were combined to enable the North Carolina health manpower information system to become a reality. This system, from the beginning, has been a joint effort of the Sheps Center, the NC State Center for Health Statistics, and the North Carolina Area Health Education Centers Program.

Federal funding from the Cooperative Health Statistics System ended in 1981. For the first year after this funding ended the North Carolina State Health Planning and Development Agency supplemented the AHEC dollars to continue the collection and dissemination of the health manpower data and the responsibility for the health facilities data went back to the North Carolina Division of Facility Services in the Department of Human Resources. During this time, the North Carolina Hospital Association took the initiative to ask the Duke Endowment to facilitate the continuation of this system for a two-year period so that alternative funding arrangements could be explored. The Duke Endowment made the necessary funds available, through the North Carolina Hospital Foundation, to support the continuation of efforts of the manpower statistics system. During this two-year period, a special change budget request through the University of North Carolina General Administration was approved which permanently established a unit for Health Policy Analysis within the Cecil G. Sheps Center for Health Services Research at UNC-Chapel Hill, a major function of which was the annual accumulation of statistical data on licensed health professionals in the state. It is this continuing funding, plus the ongoing support of the North Carolina Area Health Education Centers Program, which enables the

current system of health professional statistics for North Carolina to be available for health planning and program development purposes. Through these efforts of the independent professional licensure boards, key state governmental agencies, the University of North Carolina, the North Carolina Hospital Association, and the Duke Endowment, our state has one of the most comprehensive and longest term systems of health professional data in the nation. All of these organizations deserve our appreciation for making certain that this valuable informational resource is available and accessible to all individuals and organizations who need this information for planning or program development purposes.

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