



TRENDWATCH CHARTBOOK 2007

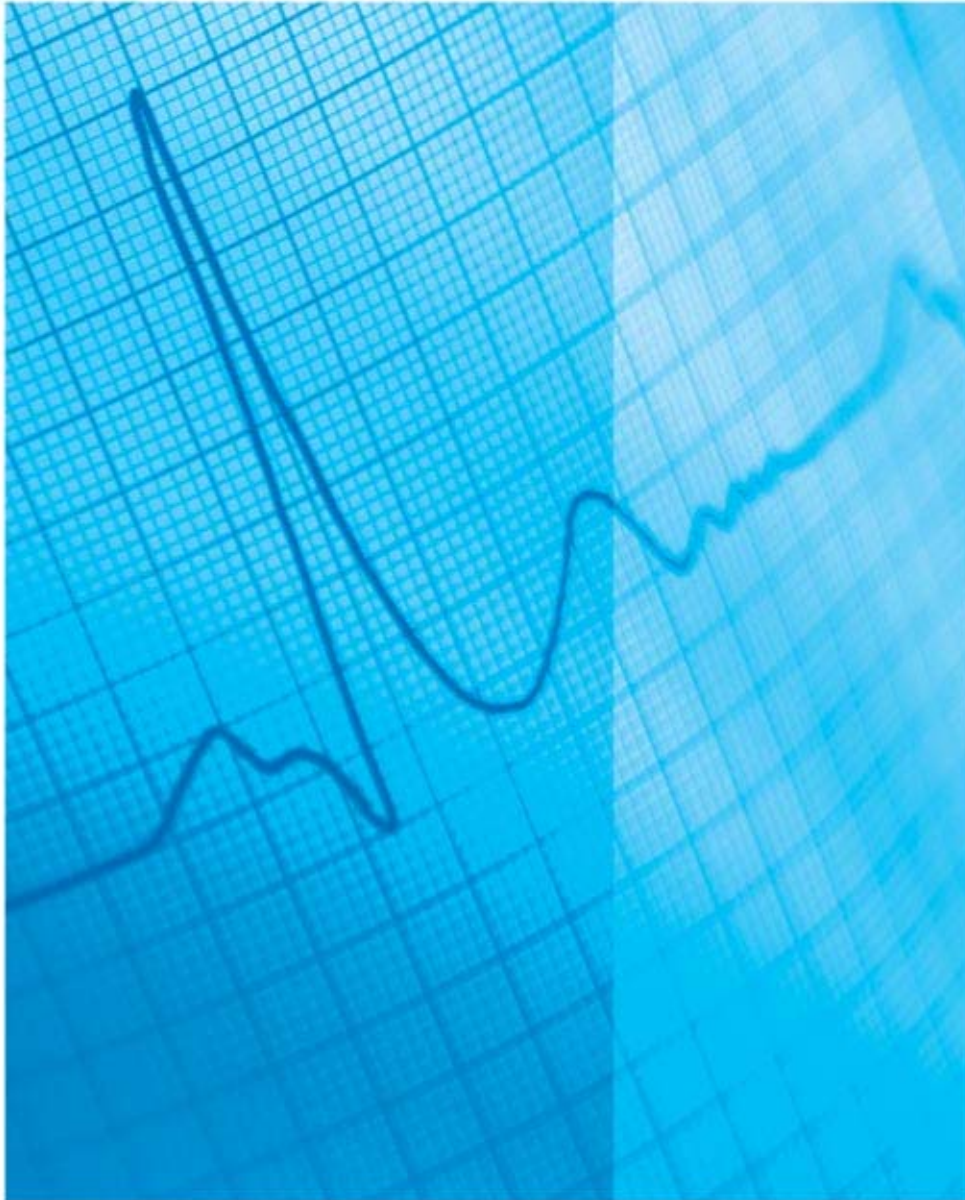
Trends Affecting Hospitals and Health Systems



TABLE OF CONTENTS

CHAPTER 5.0: **Workforce**

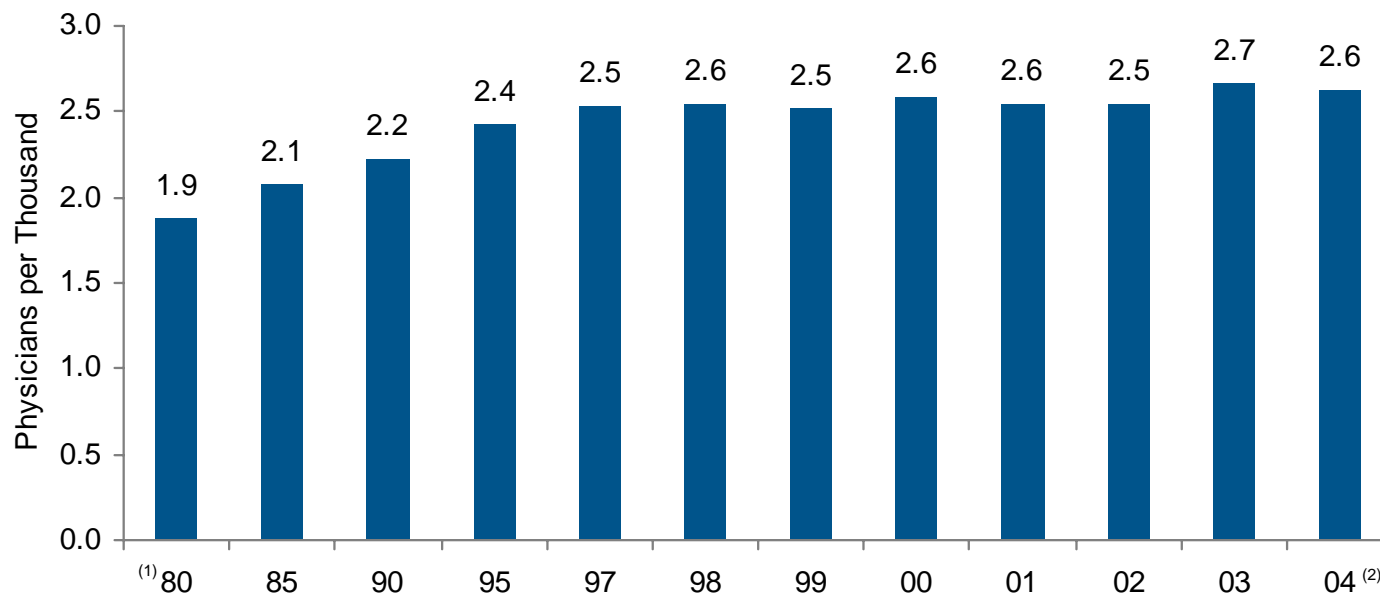
- Chart 5.1: Total Number of Active Physicians per 1,000 Persons, 1980 – 2004
- Chart 5.2: Total Number of Active Physicians per 1,000 Persons by State, 2004
- Chart 5.3: Medical and Dental Residents in Training in Community Hospitals, 1981 – 2005
- Chart 5.4: Total Full-time Equivalent Employees Working in Hospitals, 1981 – 2005
- Chart 5.5: Full-time Equivalent Employees per Adjusted Admission, 1981 – 2005
- Chart 5.6: Number of RN Full-time Equivalent Employees and RN FTEs per Adjusted Admission, 1987 – 2005
- Chart 5.7: RN Full-time Equivalents as a Percentage of Total Hospital Full-time Equivalents, 1987 – 2005
- Chart 5.8: Number of Physicians by Age, 1980, 1990, and 2005
- Chart 5.9: RN Employment by Type of Provider, 1980 – 2004
- Chart 5.10: Distribution of RN Workforce by Age Group, 1980 – 2020 (Projected)
- Chart 5.11: Annual Percentage Change in Entry Level Baccalaureate Nursing Enrollment, 1990 – 2006
- Chart 5.12: National Supply and Demand Projections for FTE RNs, 2000 – 2020



CHAPTER 5

Workforce

Chart 5.1: Total Number of Active Physicians per 1,000 Persons, 1980 – 2004

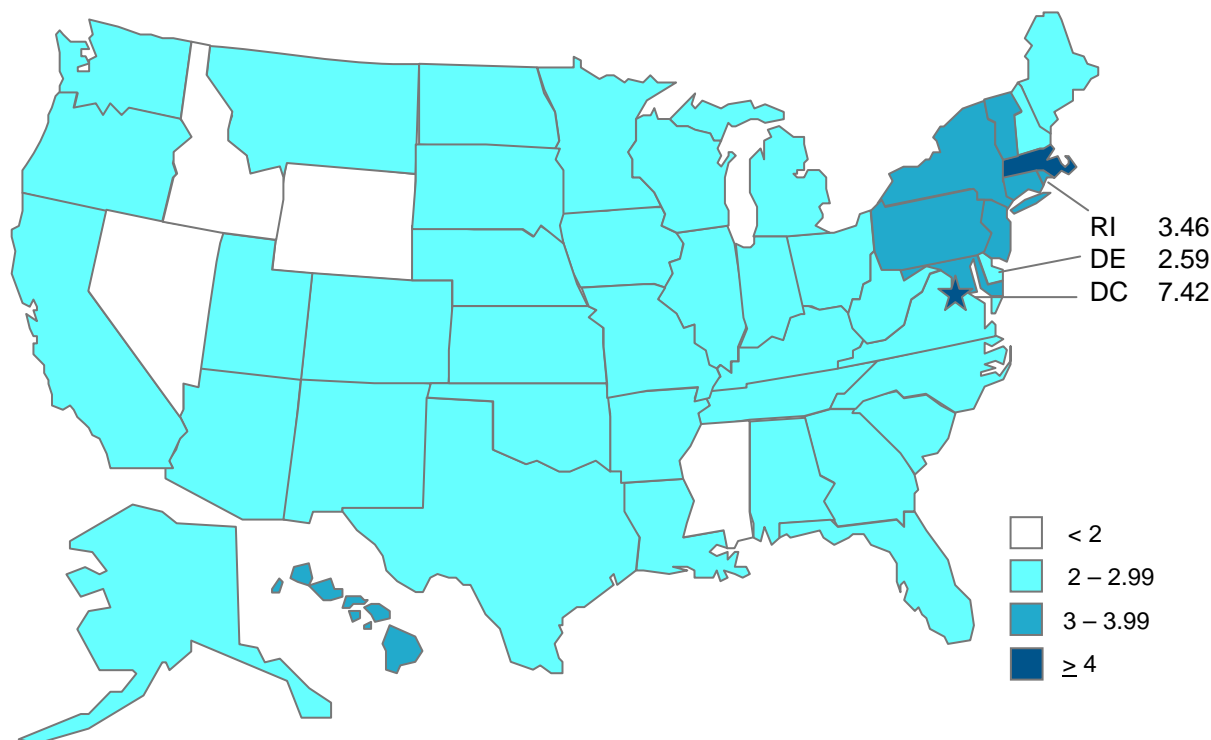


Source: CDC, NCHS *Health United States*, 1982, 1996-97, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006.

(1) 1980 does not include doctors of osteopathy.

(2) 2004 includes both federal and non-federal physicians. Prior to 2003, data included non-federal physicians only.

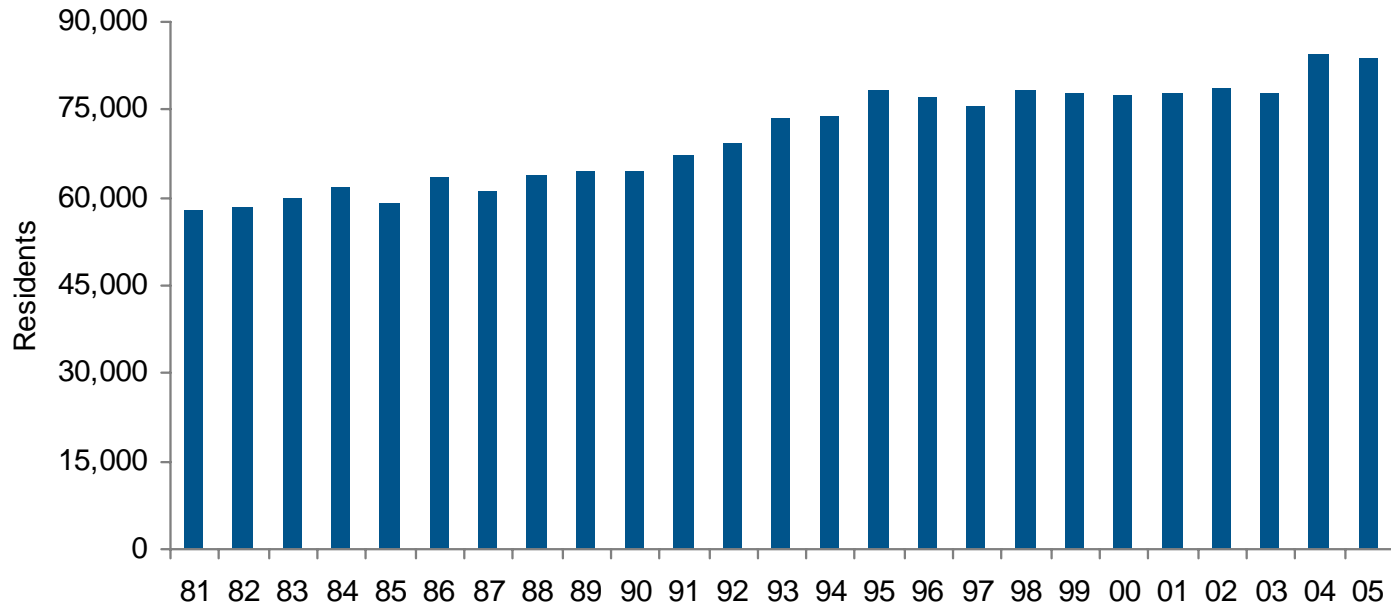
Chart 5.2: Total Number of Active Physicians⁽¹⁾ per 1,000 Persons by State, 2004



Source: CDC, NCHS, *Health United States*, 2006.

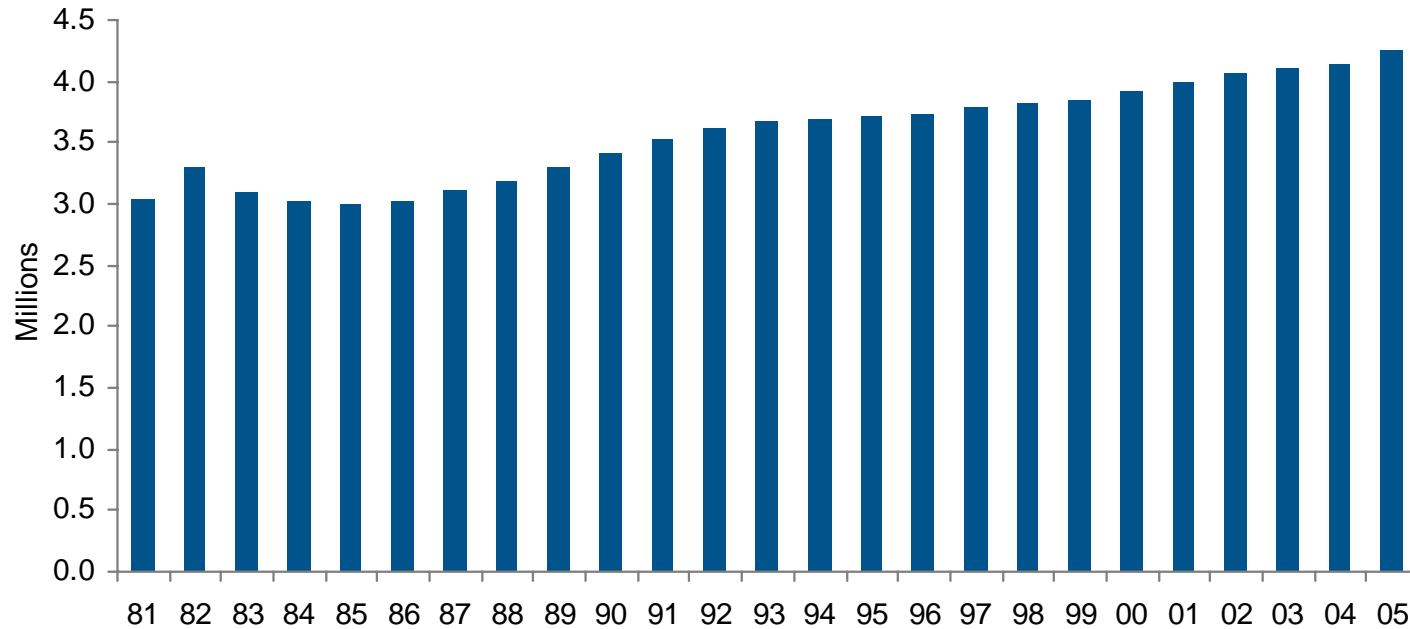
⁽¹⁾ Includes active federal and non-federal doctors of medicine and active doctors of osteopathy.

Chart 5.3: Medical and Dental Residents in Training in Community Hospitals, 1981 – 2005



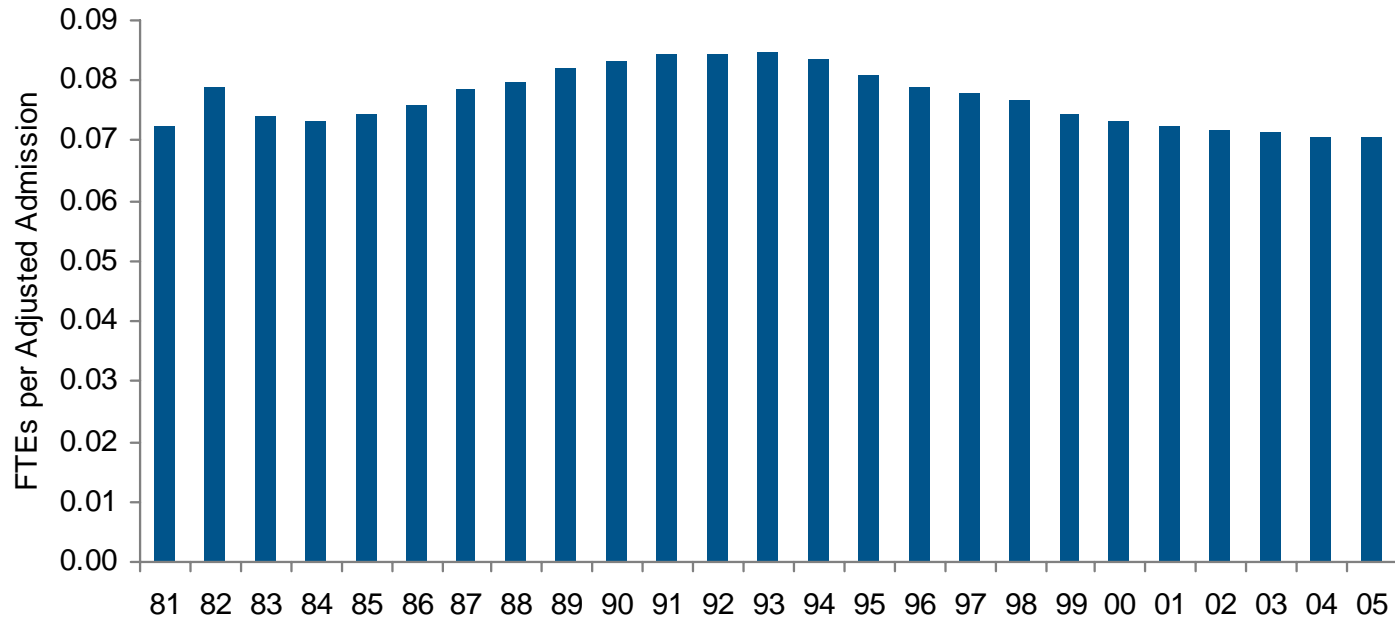
Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2005, for community hospitals.

Chart 5.4: Total Full-time Equivalent Employees Working in Hospitals, 1981 – 2005



Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2005, for community hospitals.

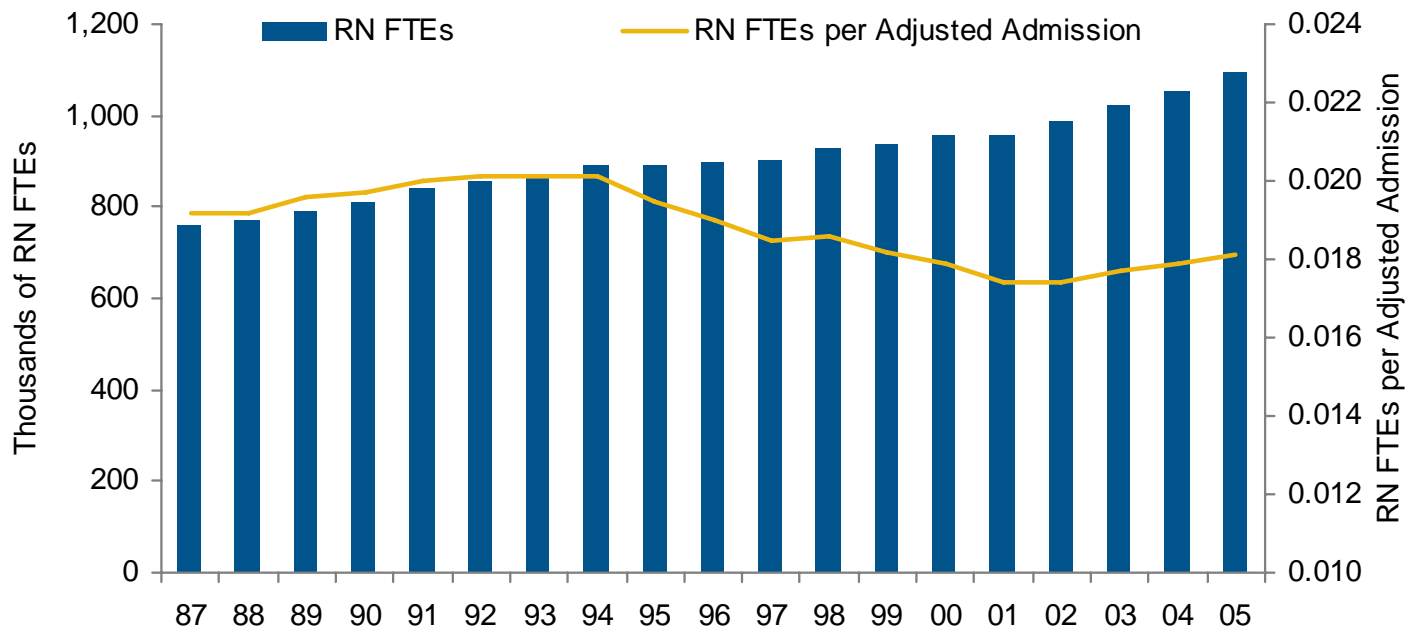
Chart 5.5: Full-time Equivalent Employees per Adjusted Admission,⁽¹⁾
1981 – 2005



Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2005, for community hospitals.

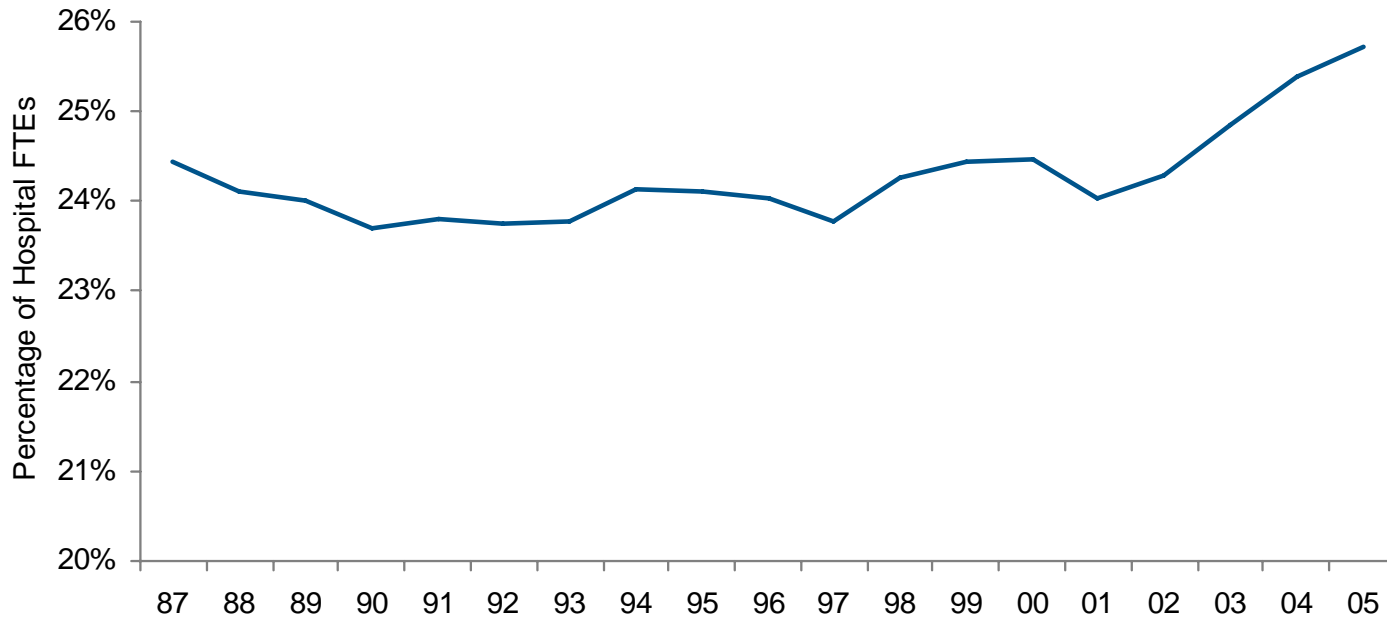
⁽¹⁾ An aggregate measure of workload reflecting the number of inpatient admissions, plus an estimate of the volume of outpatient services, expressed in units equivalent to an inpatient admission in terms of level of effort.

Chart 5.6: Number of RN Full-time Equivalent Employees and RN FTEs per Adjusted Admission, 1987 – 2005



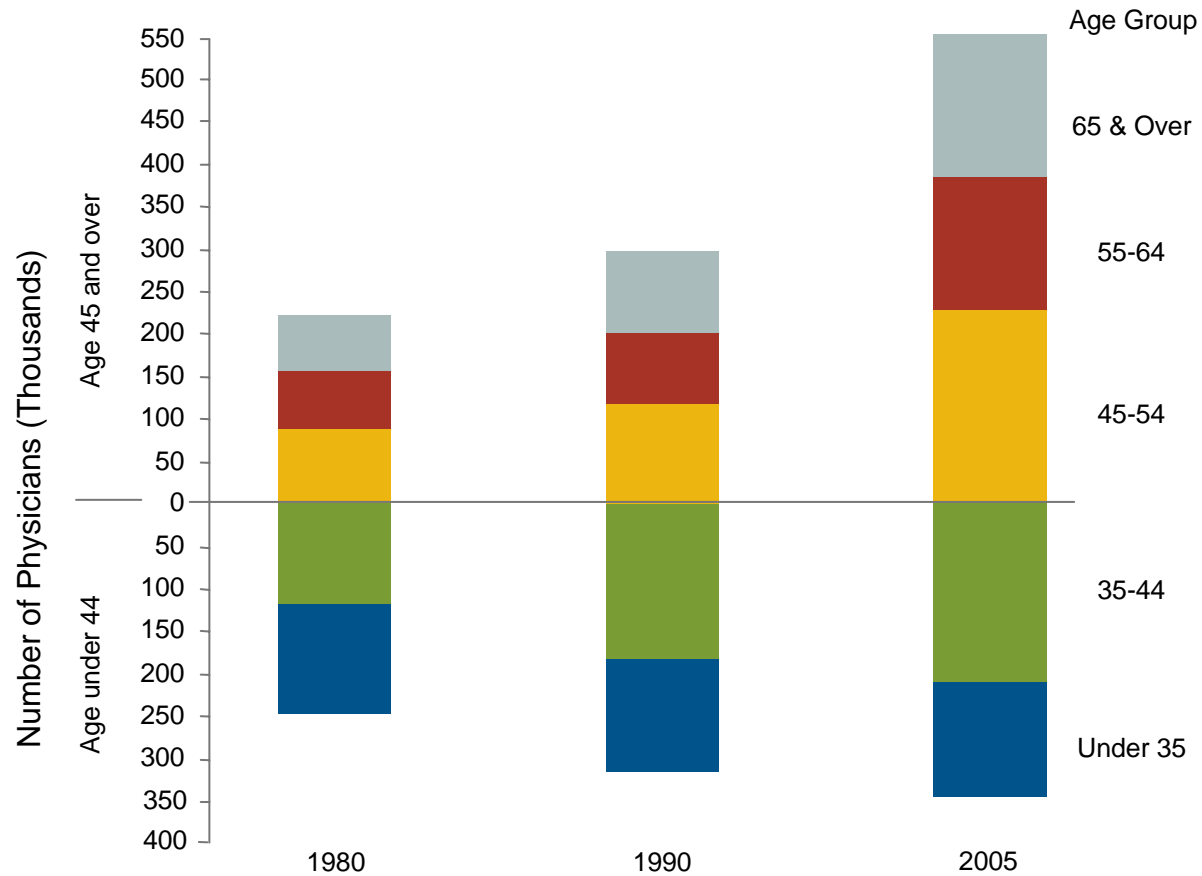
Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2005, for community hospitals.

Chart 5.7: RN Full-time Equivalents as a Percentage of Total Hospital Full-time Equivalents, 1987 – 2005



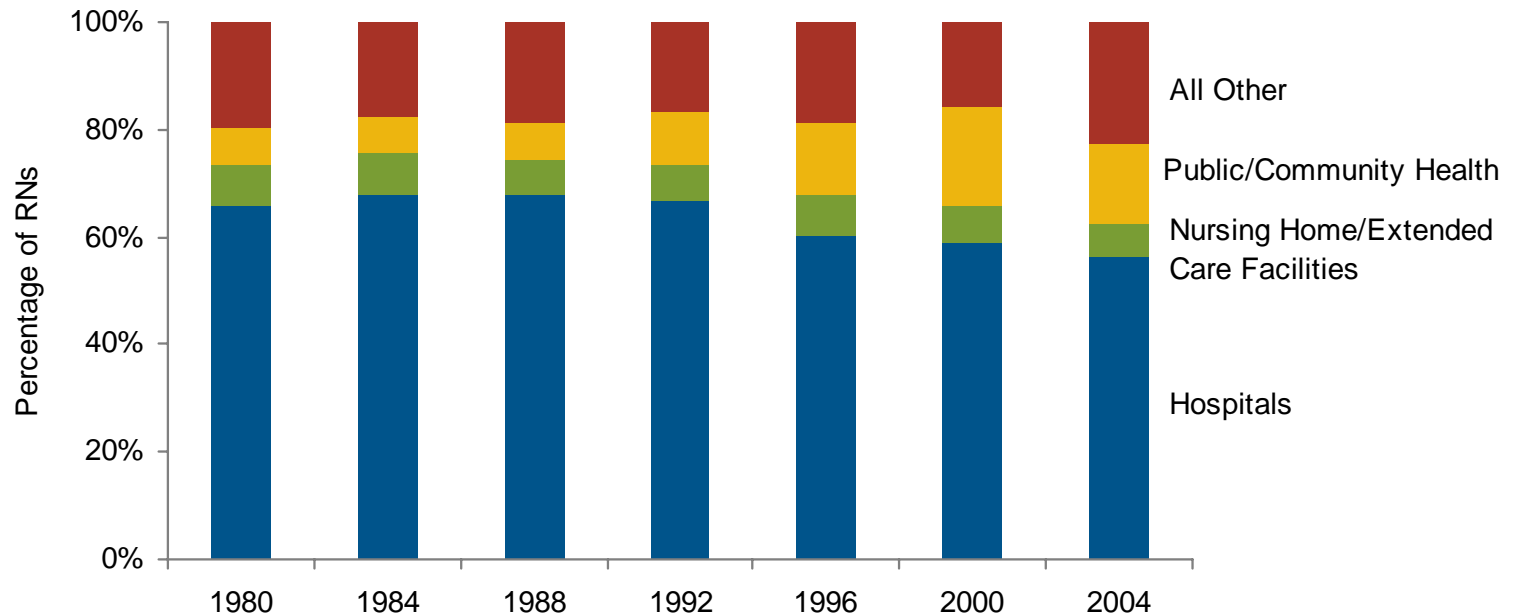
Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2005, for community hospitals.

Chart 5.8: Number of Physicians by Age, 1980, 1990, and 2005



Source: American Medical Association, *Physician Characteristics and Distribution in the US*, 2007 Edition.

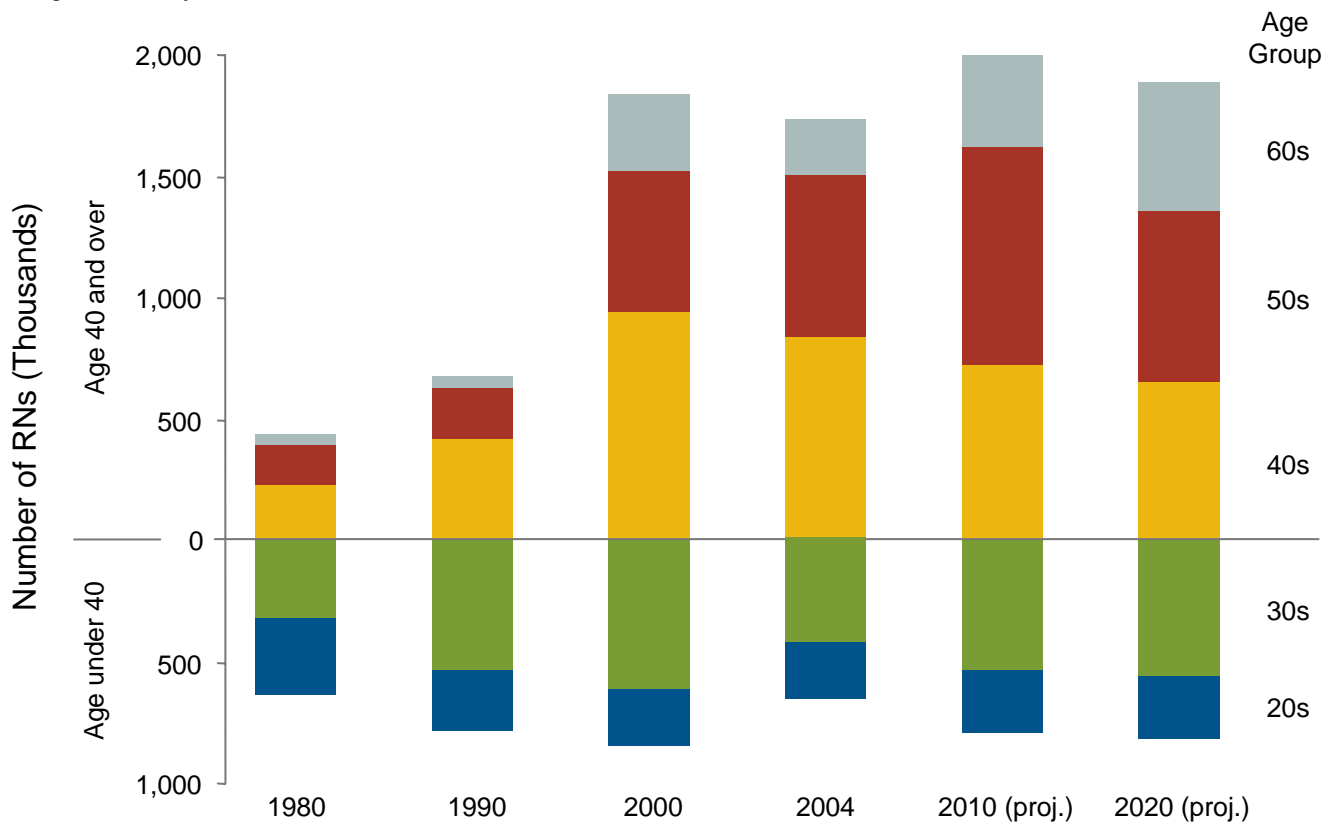
Chart 5.9: RN Employment by Type of Provider, 1980 – 2004



Source: 2000 & 2004 preliminary findings from *The Registered Nurse Population: National Sample Survey of Registered Nurses March 2004*. Link: <http://bhpr.hrsa.gov/healthworkforce/reports/rnpopulation/chart6-dlink.htm>.

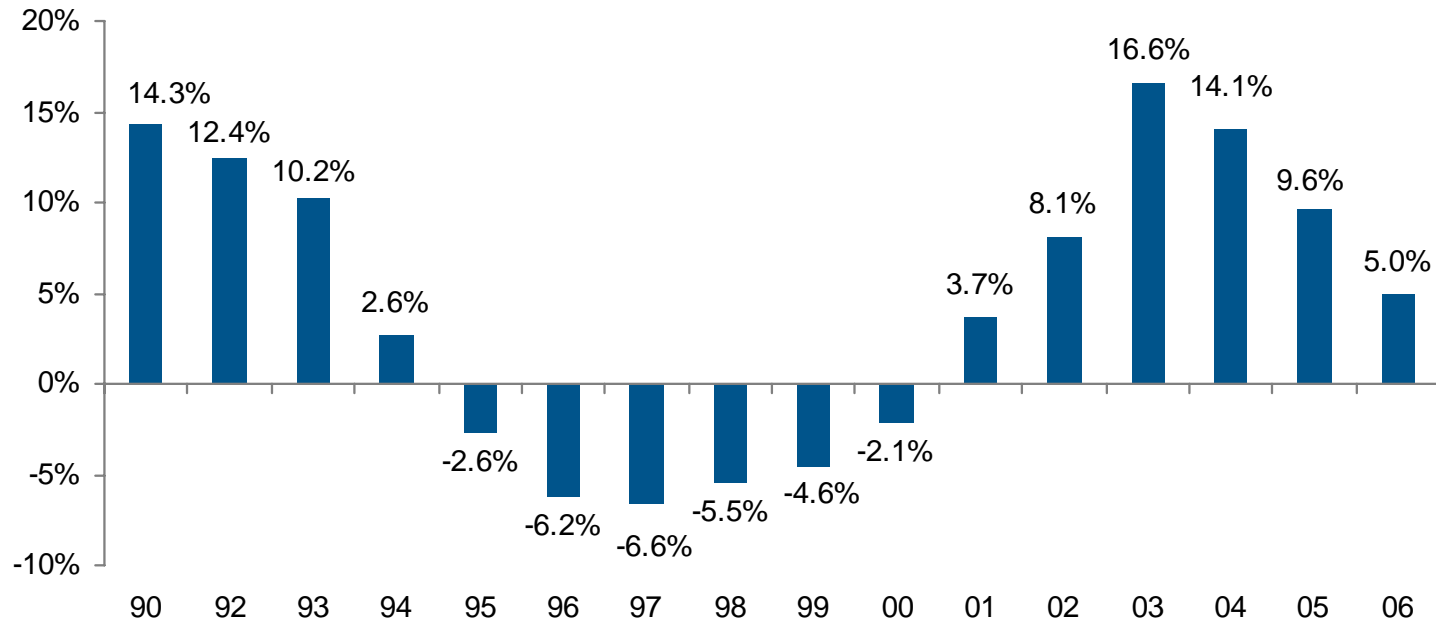
1980-1996 findings from the National Sample Survey of Registered Nurses, 1980-2000, National Center for Health Workforce Analysis, Bureau of Health Professions, Health Resources and Services Administration.

Chart 5.10: Distribution of RN Workforce by Age Group, 1980 – 2020 (Projected)



Source: 2010 & 2020 projections derived from The Lewin Group analysis of National Sample Survey of Registered Nurses, 2000; 1980, 1990, and 2000 estimates from National Sample Survey of Registered Nurses, National Center for Health Workforce Analysis, Bureau of Health Professions, Health Resources and Services Administration. Data released March 2004. Link: <http://bhpr.hrsa.gov/healthworkforce/rnsurvey04/>.

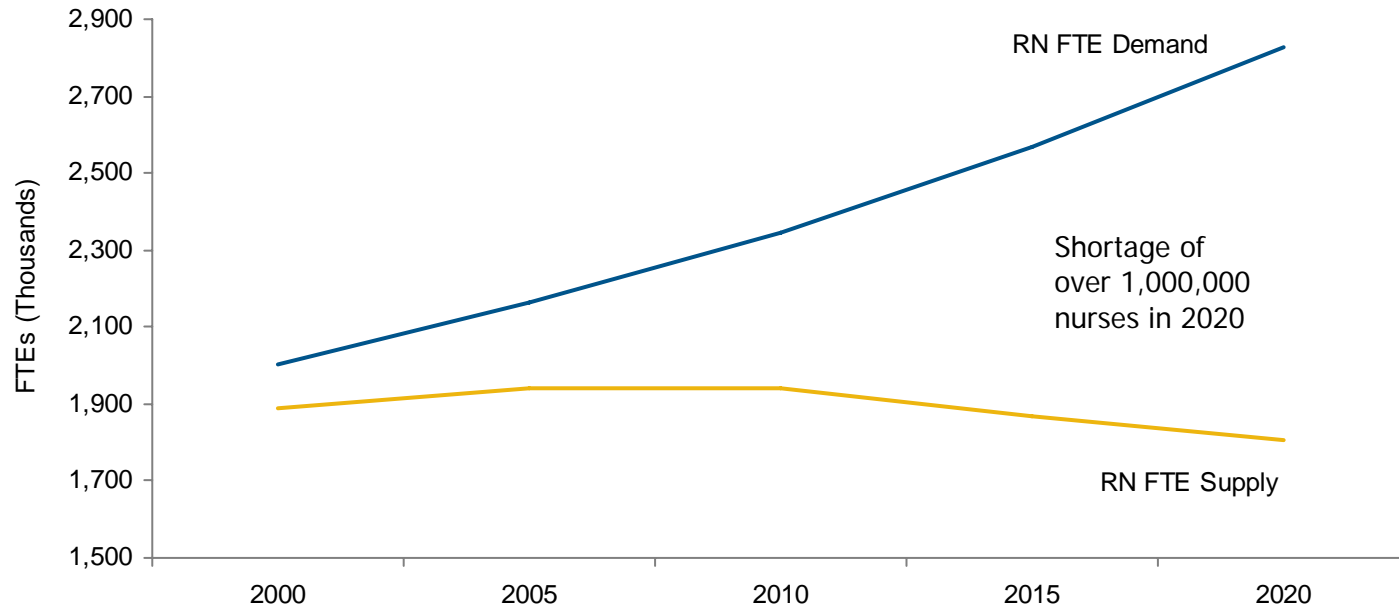
Chart 5.11: Annual Percentage Change in Entry Level Baccalaureate Nursing Enrollment, 1990 – 2006



Source: Berlin LE et al. Enrollment and Graduations in Baccalaureate and Graduate Programs in Nursing. Washington, DC: American Association of Colleges of Nursing, 1990-1991 – 1996-1997. American Association of Colleges of Nursing, 1994 - 2006. Link: <http://bhpr.hrsa.gov/healthworkforce/reports/rnpopulation/preliminaryfindings.htm>.

Note: 2006 data are preliminary as of December 2006.

Chart 5.12: National Supply and Demand Projections for FTE RNs, 2000 – 2020



Source: National Center For Health Workforce Analysis, Bureau of Health Professions, Health Resources and Services Administration, 2004. Link: <http://bhpr.hrsa.gov/healthworkforce/reports/rnpopulation/preliminaryfindings.htm>.