



TRENDWATCH

CHARTBOOK 2008

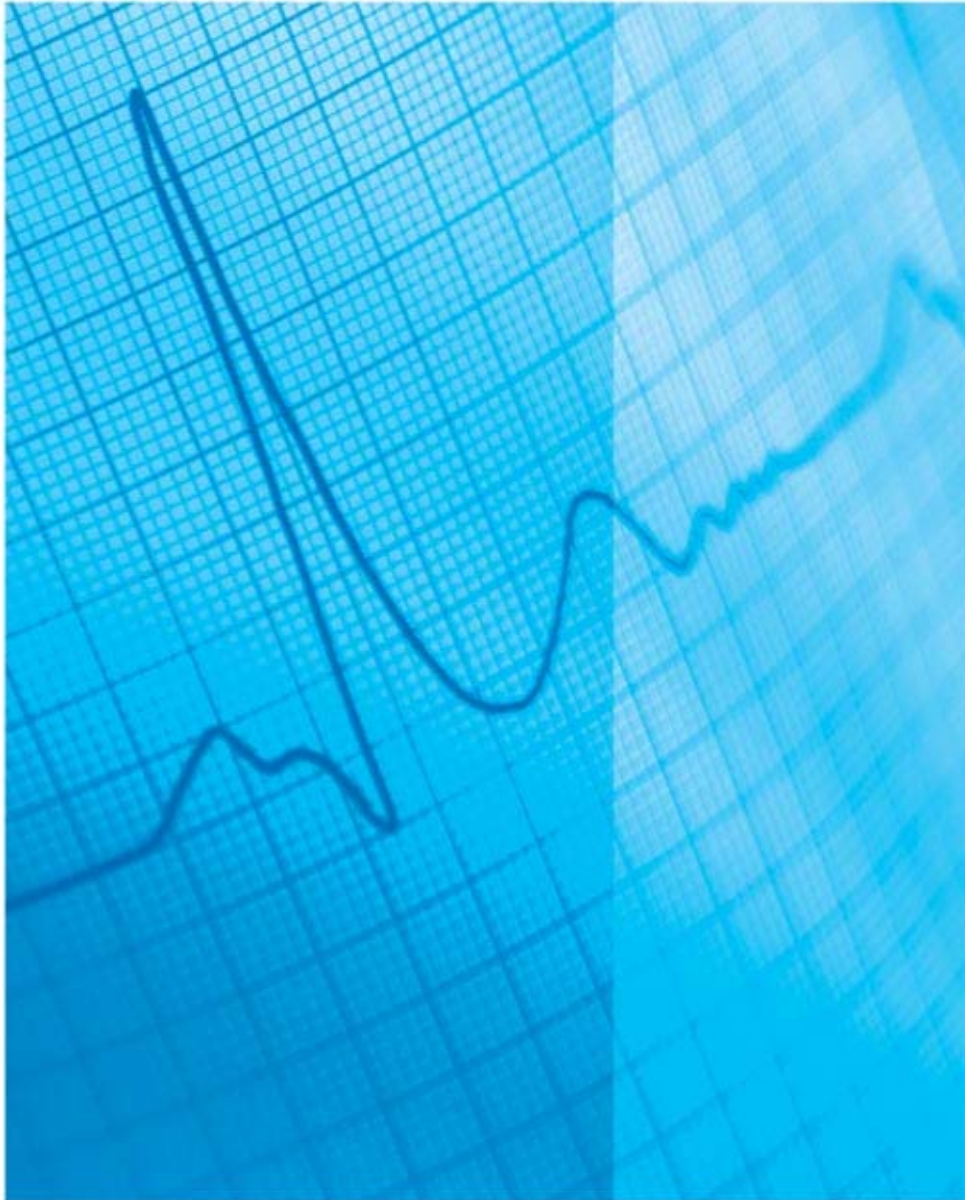


Trends Affecting Hospitals and Health Systems

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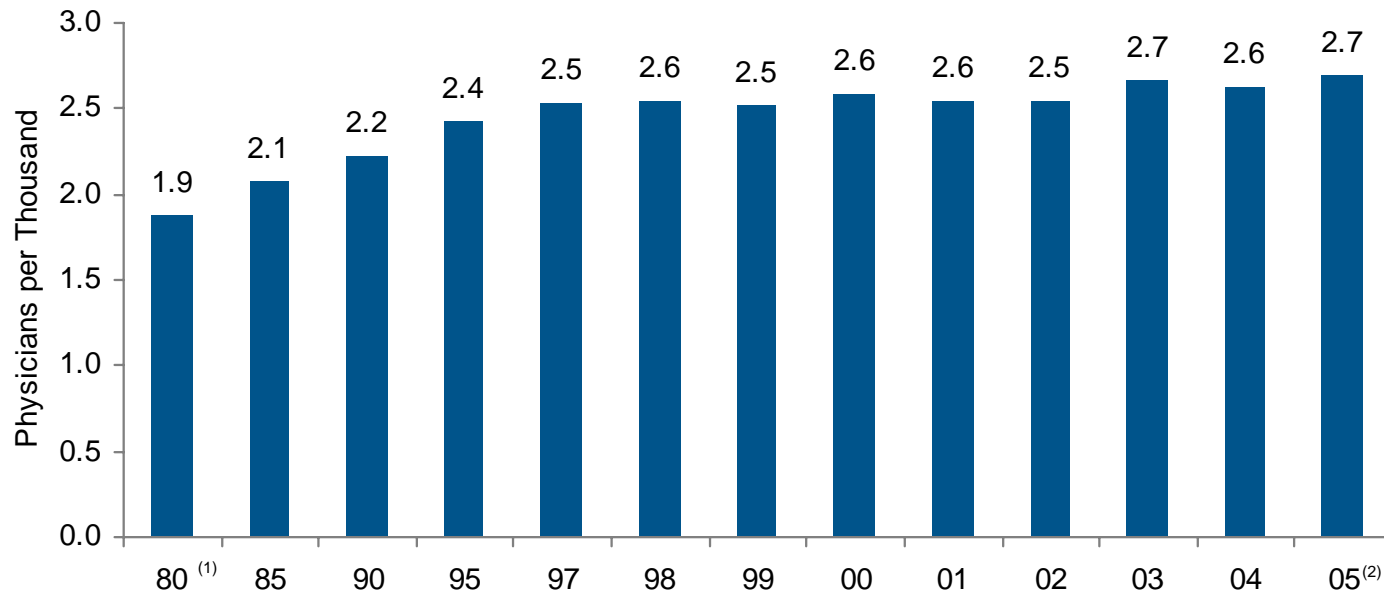
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CHAPTER 5

Workforce

Chart 5.1: Total Number of Active Physicians per 1,000 Persons, 1980 – 2005

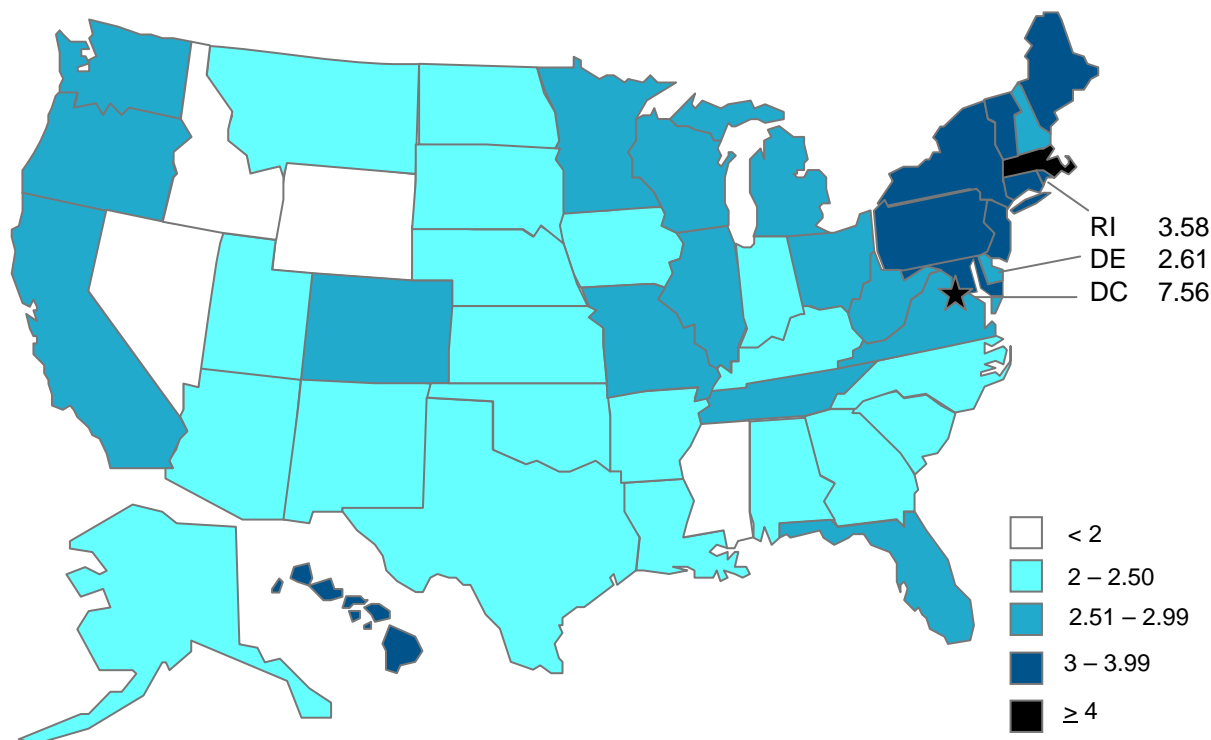


Source: CDC, NCHS *Health United States*, 1982, 1996-97, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007.

⁽¹⁾ 1980 does not include doctors of osteopathy.

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

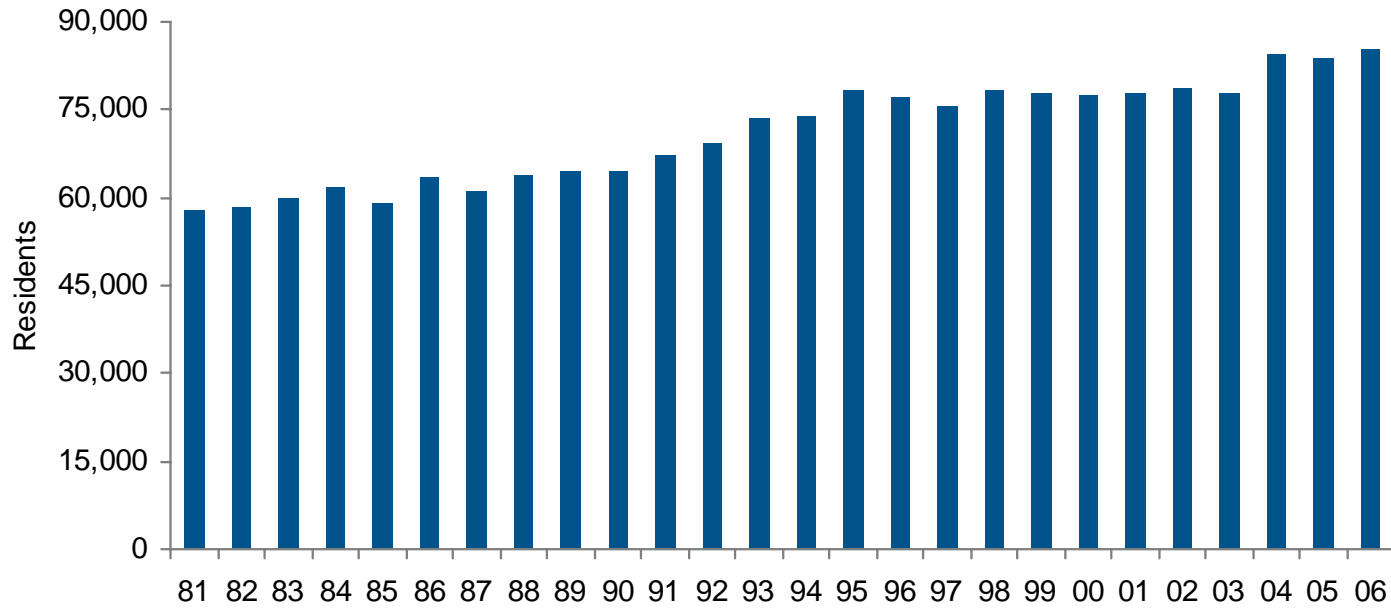
Chart 5.2: Total Number of Active Physicians⁽¹⁾ per 1,000 Persons by State, 2005



Source: CDC, NCHS, *Health United States*, 2007.

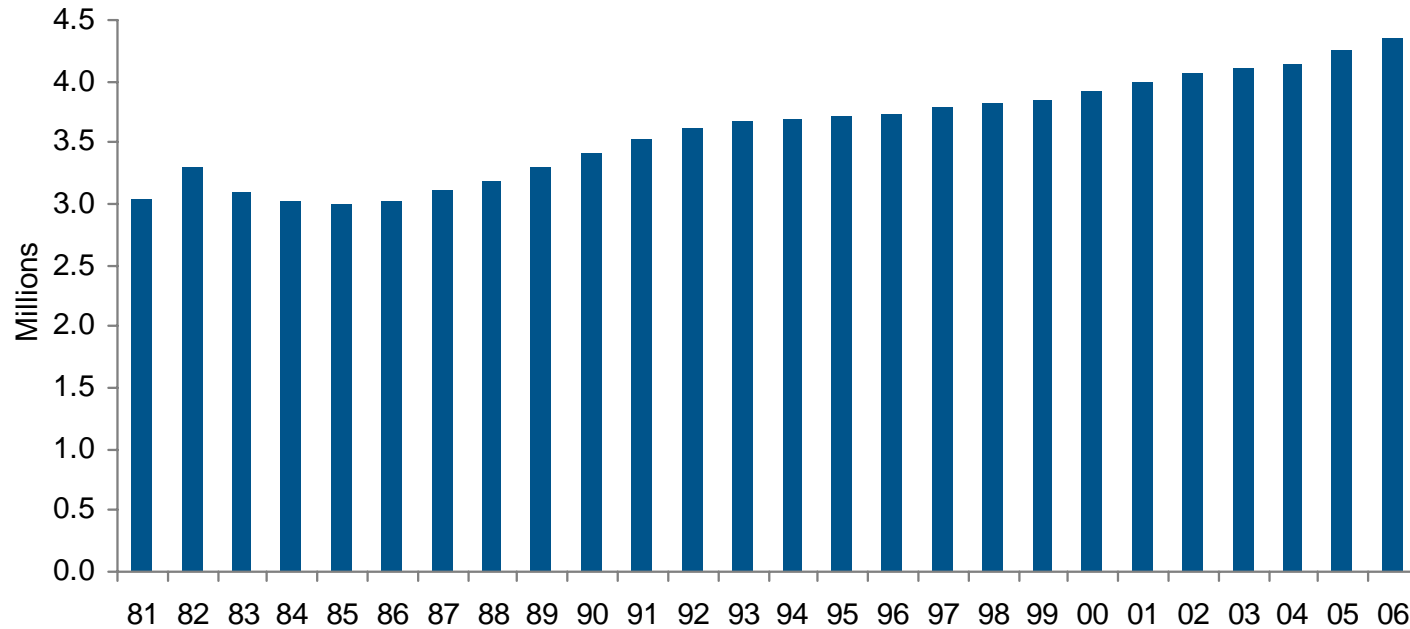
⁽¹⁾ Includes active federal and non-federal doctors of medicine and active doctors of osteopathy.

Chart 5.3: Medical and Dental Residents in Training in Community Hospitals, 1981 – 2006



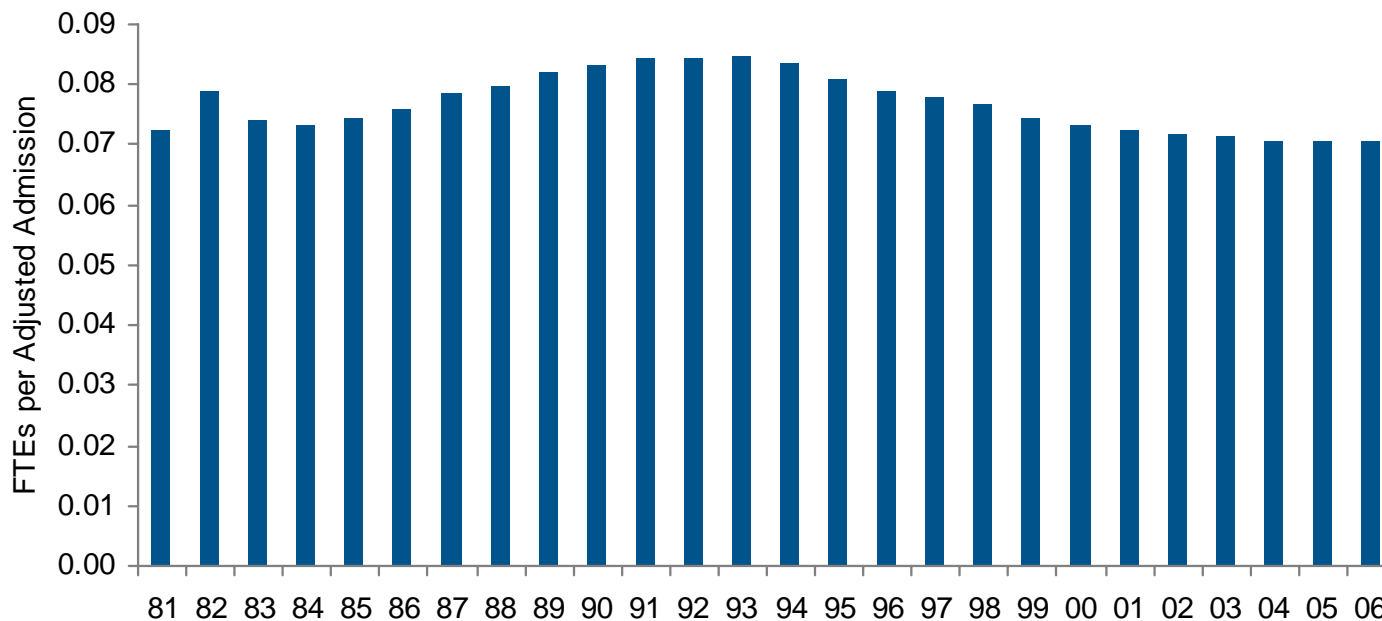
Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2006, for community hospitals.

Chart 5.4: Total Full-time Equivalent Employees Working in Hospitals, 1981 – 2006



Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2006, for community hospitals.

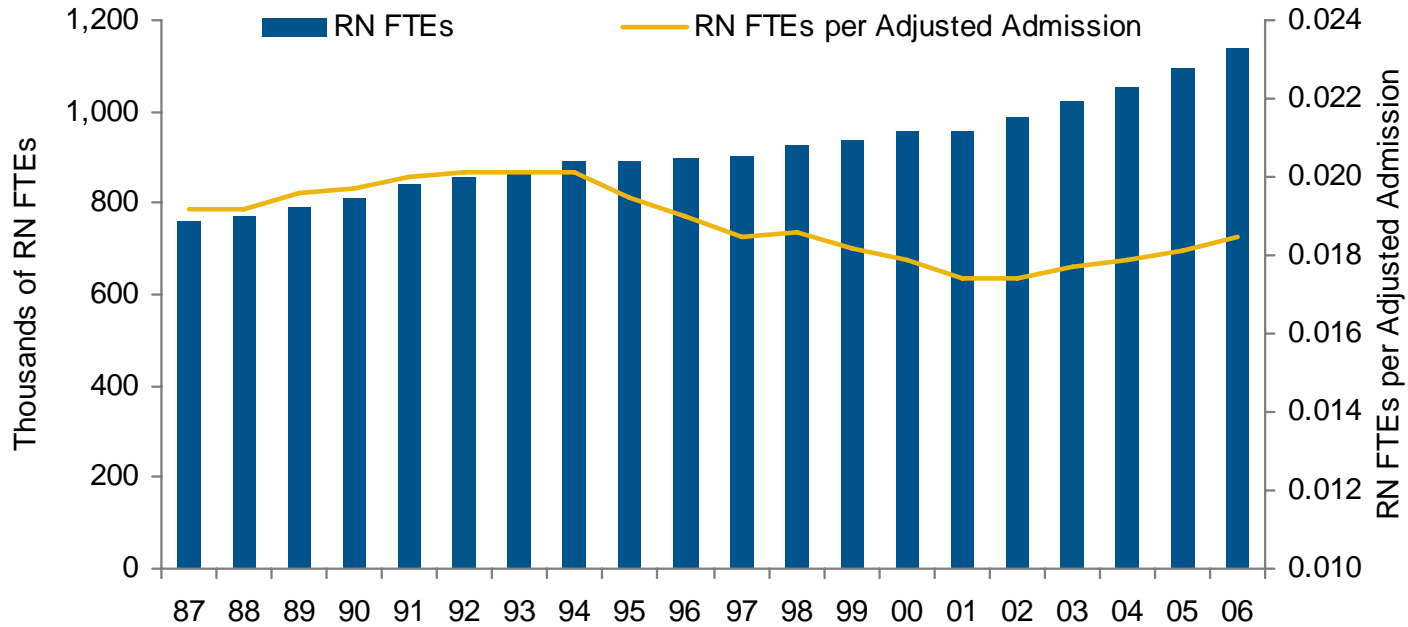
Chart 5.5: Full-time Equivalent Employees per Adjusted Admission,⁽¹⁾ 1981 – 2006



Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2006, for community hospitals.

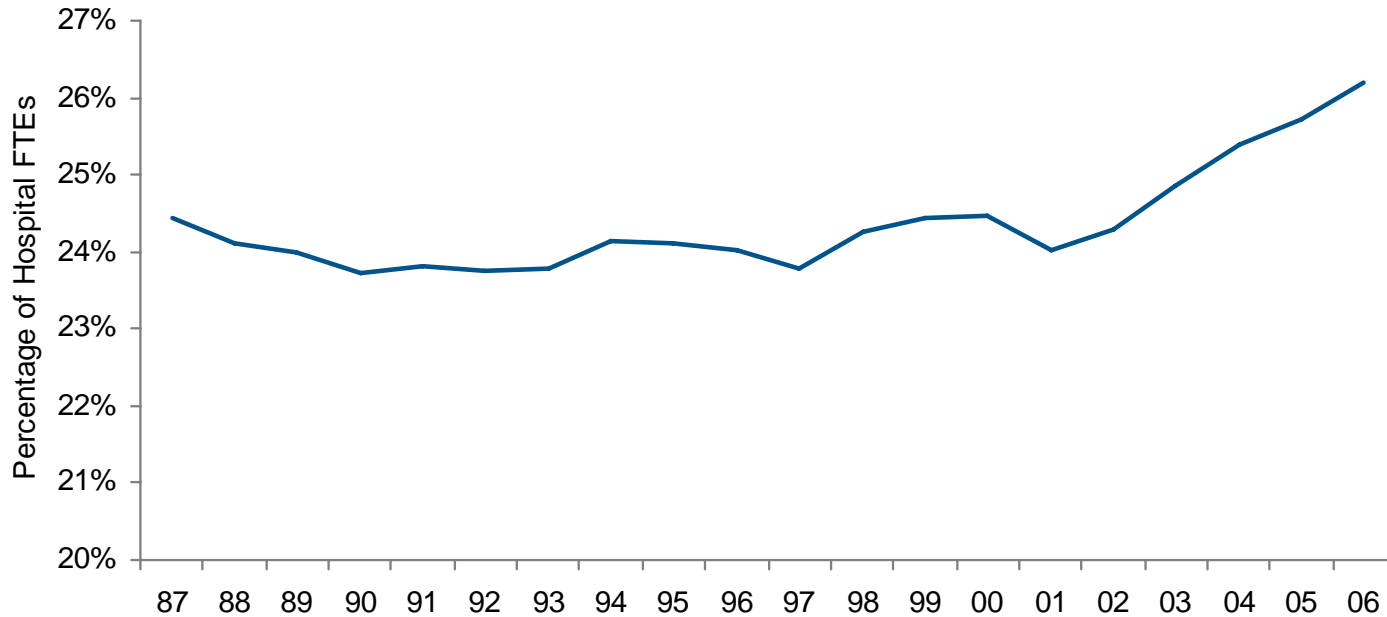
⁽¹⁾ An aggregate measure of workload reflecting the number of inpatient admissions, plus an estimate of the volume of outpatient services, expressed in units equivalent to an inpatient admission in terms of level of effort.

Chart 5.6: Number of RN Full-time Equivalent Employees and RN FTEs per Adjusted Admission, 1987 – 2006



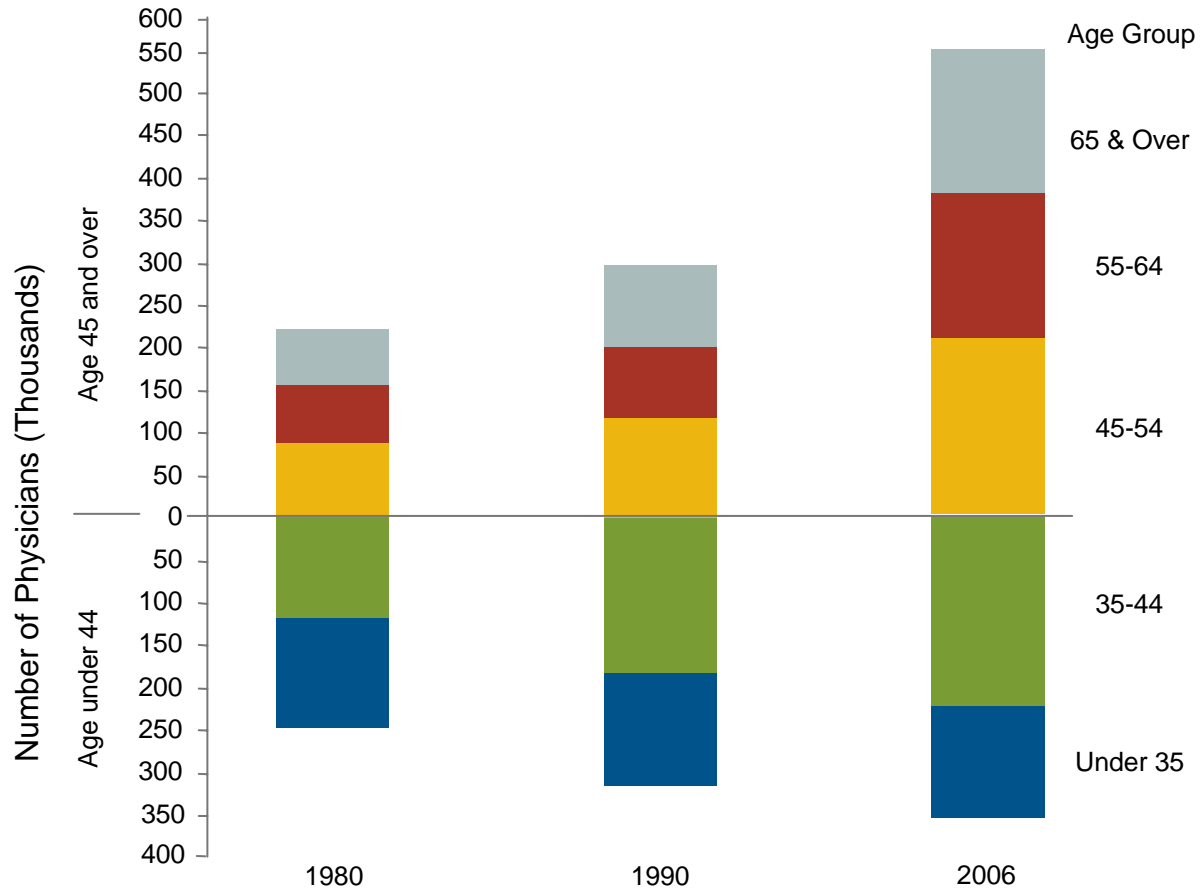
Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2006, for community hospitals.

Chart 5.7: RN Full-time Equivalents as a Percentage of Total Hospital Full-time Equivalents, 1987 – 2006



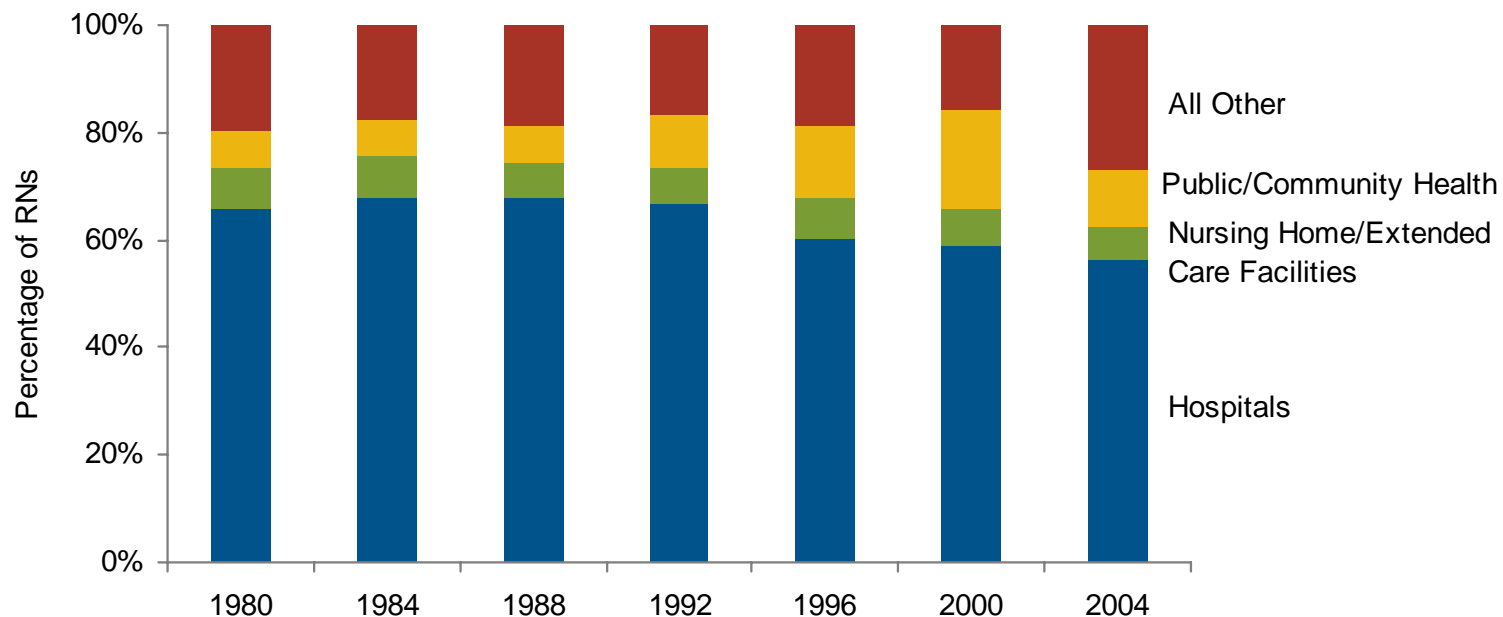
Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2006, for community hospitals.

Chart 5.8: Number of Physicians by Age, 1980, 1990, and 2006



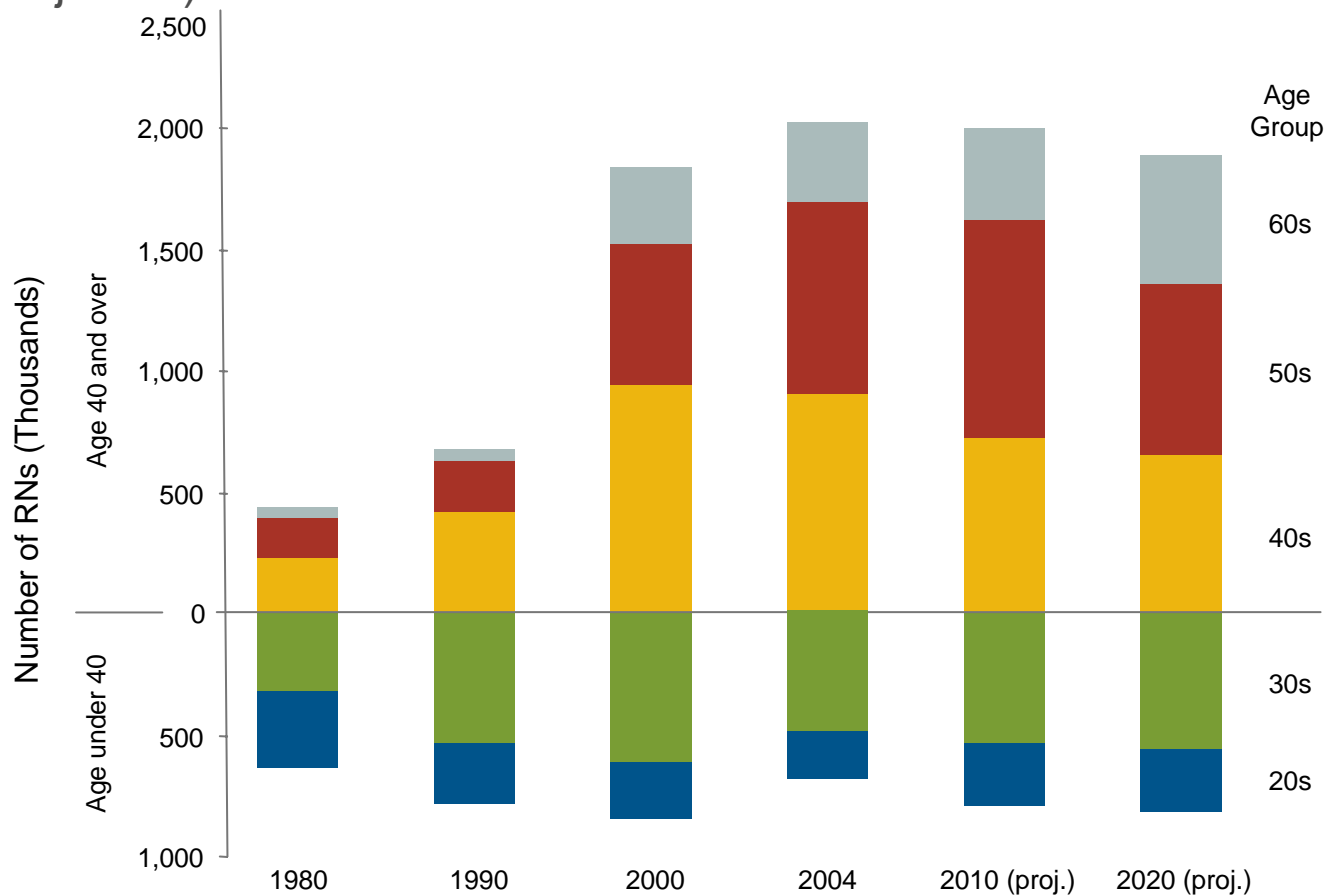
Source: American Medical Association. (2008 Edition). *Physician Characteristics and Distribution in the US*.

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



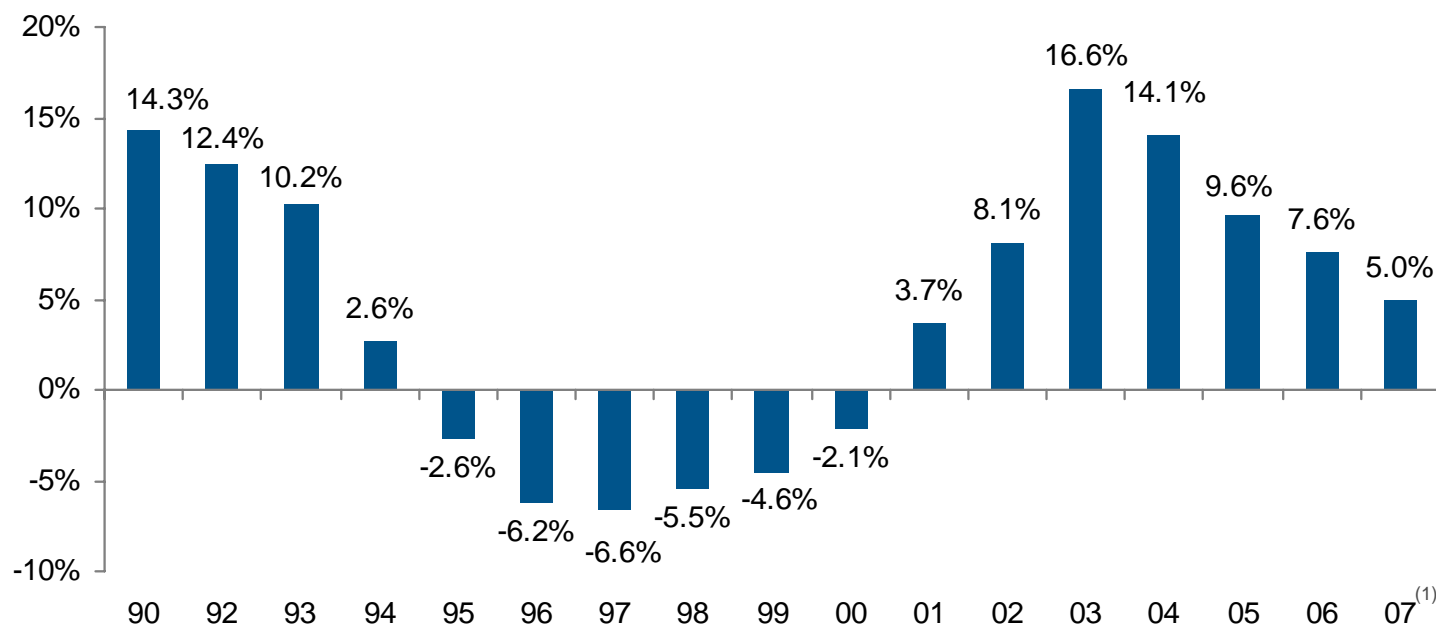
Source: Bureau of Health Professions, Health Resources and Services Administration. (1980-2004). *Findings from the National Survey of Registered Nurses*. Link: <https://bhpr.hrsa.gov/healthworkforce/nursing.htm>.

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



Source: Bureau of Health Professions, Health Resources and Services Administration. (1980-2004). *Findings from the National Survey of Registered Nurses*. Link: <https://bhpr.hrsa.gov/healthworkforce/nursing.htm>. 2010 and 2020 projections derived from The Lewin Group analysis of the *National Sample Survey of Registered Nurses, 2000*.

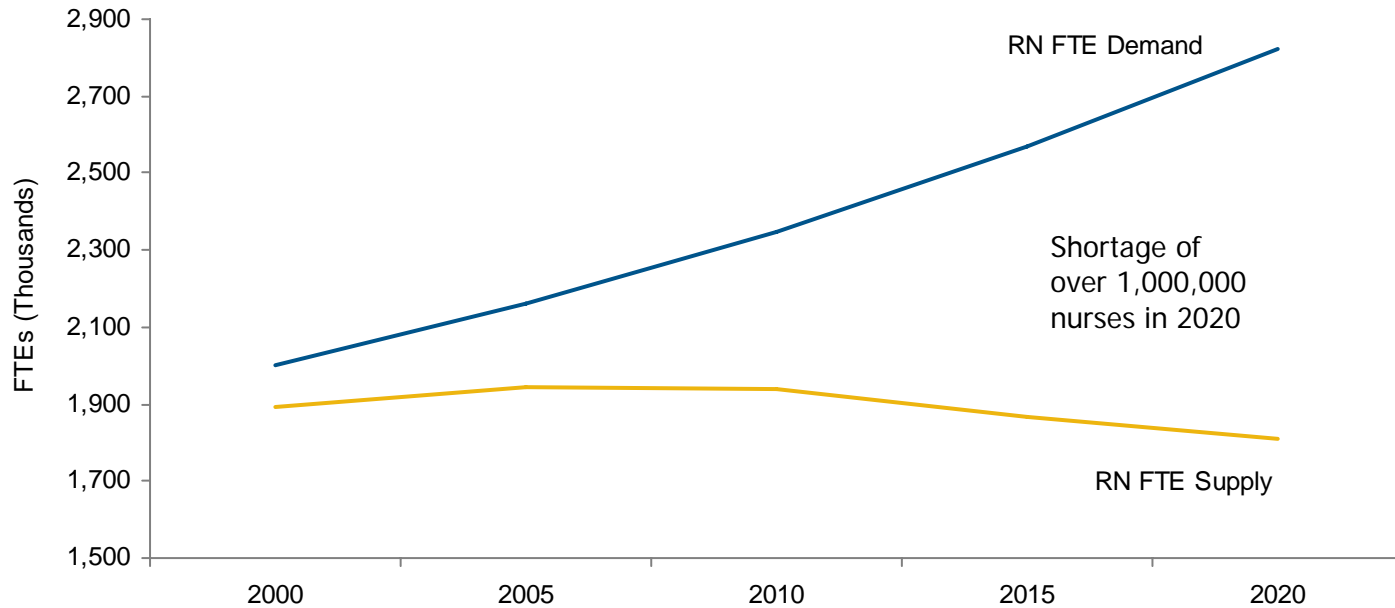
Chart 5.11: Annual Percentage Change in Entry Level Baccalaureate Nursing Enrollment, 1990 – 2007



Source: American Association of Colleges of Nursing. (1994-2007). *Percent Change in Enrollments in Entry-Level Baccalaureate Nursing Programs: 1994-2007*. Link: <http://www.aacn.nche.edu/Media/ppt/94-07EnrChgs.ppt>, and Berlin, L.E. et al. *Enrollment and Graduations in Baccalaureate and Graduate Programs in Nursing*. Washington, DC: AACN.

⁽¹⁾ 2007 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). *What Is Behind HRSA's Projected Supply, Demand, and Shortage of Registered Nurses?* Link: <ftp://ftp.hrsa.gov/bhpr/workforce/behindshortage.pdf>.