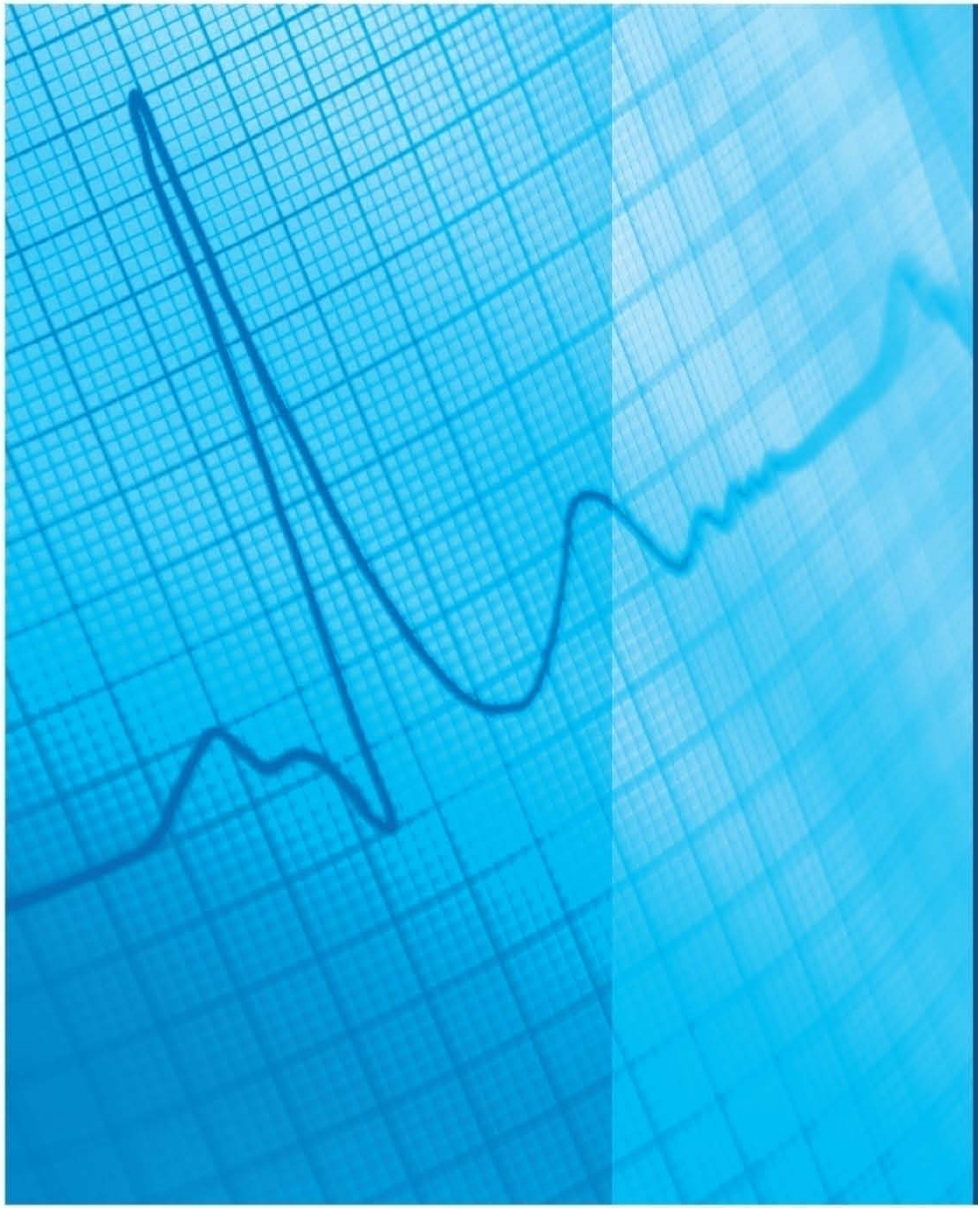


CHAPTER 5

Workforce

TABLE OF CONTENTS

CHAPTER 5.0: **Workforce**

Chart 5.1: Total Number of Active Physicians per 1,000 Persons, 1980 – 2008

Chart 5.2: Total Number of Active Physicians per 1,000 Persons by State, 2008

Chart 5.3: Medical and Dental Residents in Training in Community Hospitals, 1989 – 2009

Chart 5.4: Total Full-time Equivalent Employees Working in Hospitals, 1989 – 2009

Chart 5.5: Full-time Equivalent Employees per Adjusted Admission, 1989 – 2009

Chart 5.6: Number of RN Full-time Equivalent Employees and RN FTEs per Adjusted Admission, 1989 – 2009

Chart 5.7: RN Full-time Equivalents as a Percentage of Total Hospital Full-time Equivalents, 1989 – 2009

Chart 5.8: Number of Physicians by Age, 1980, 1990, 2000, and 2009

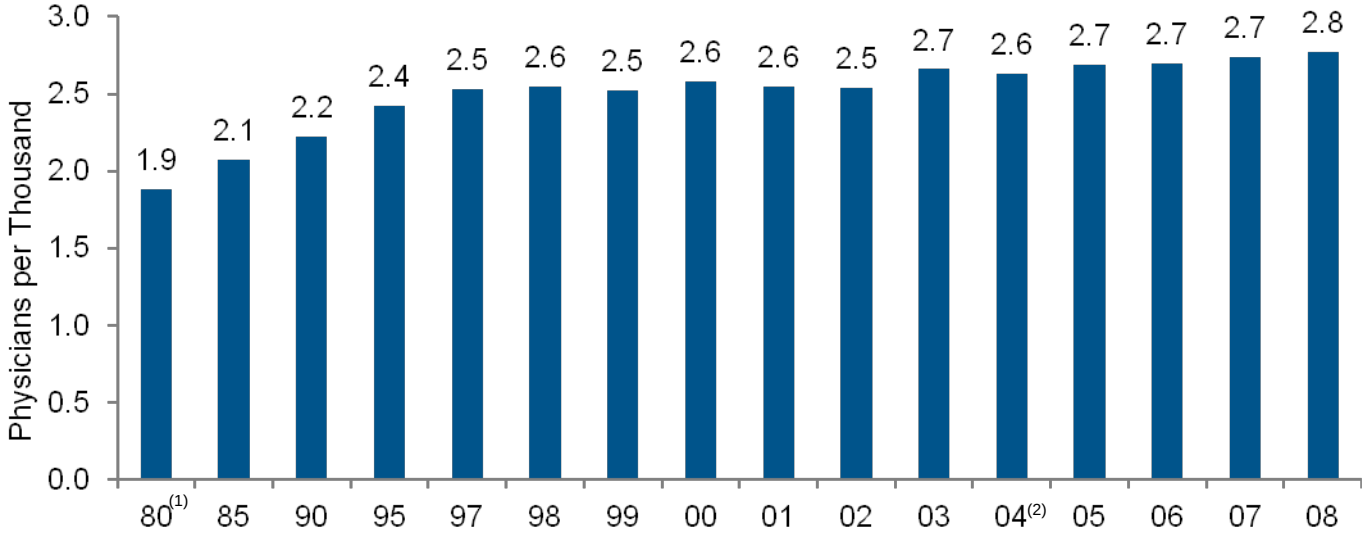
Chart 5.9: RN Employment by Type of Provider, 1980 – 2008

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 – 2009

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

Chart 5.1: Total Number of Active Physicians per 1,000 Persons, 1980 – 2008



Source: National Center for Health Statistics. *Health, United States, 1982, 1996-97, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 , 2009, and 2010.* Hyattsville, MD.

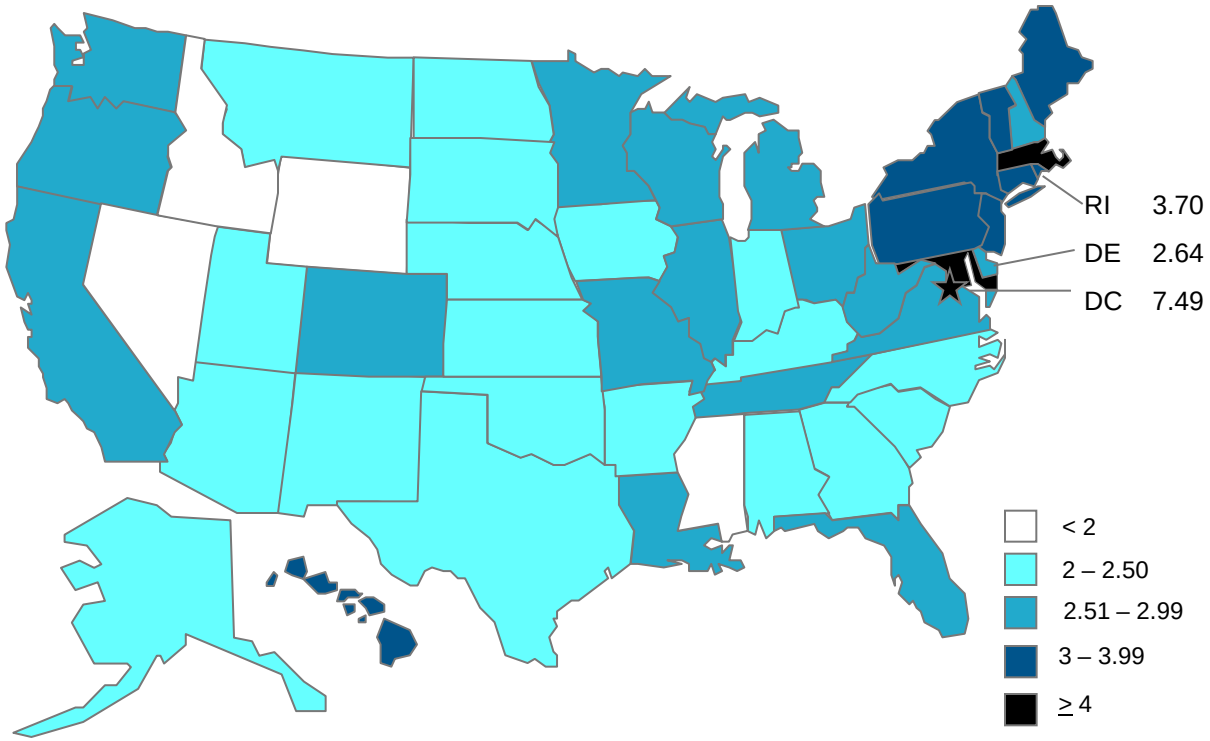
(1) 1980 does not include doctors of osteopathy.

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

American Hospital Association

Avalere

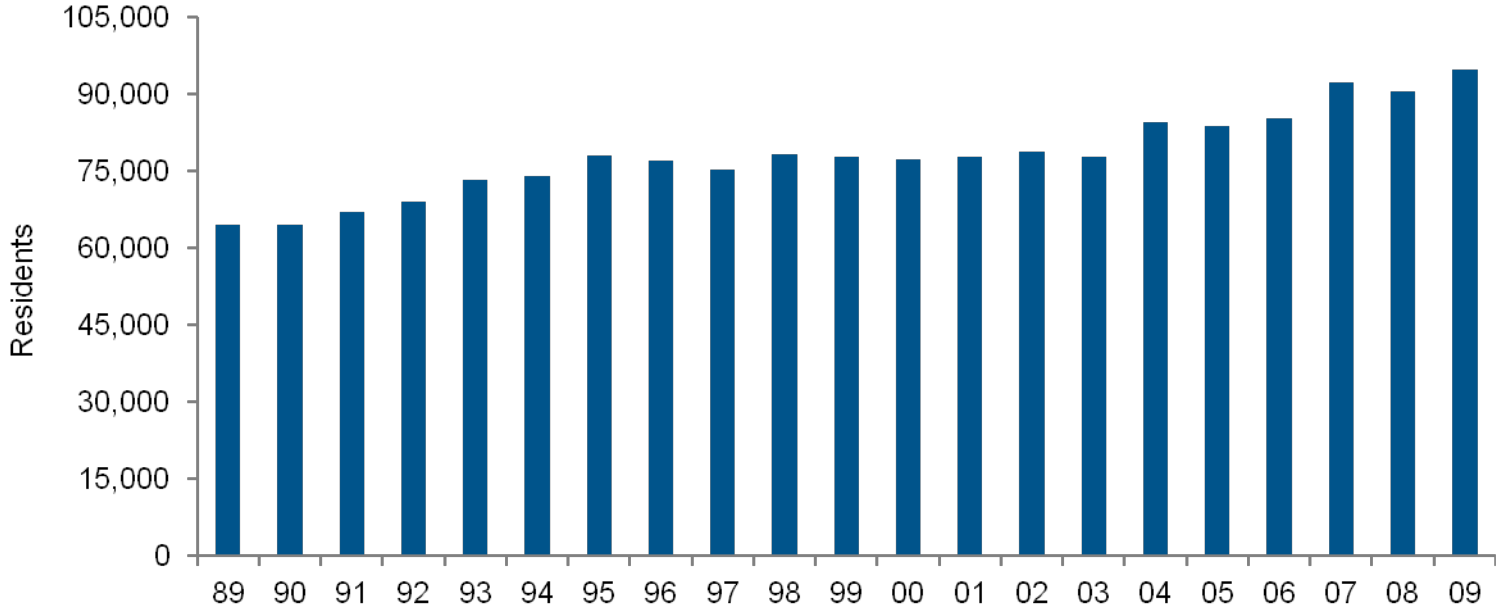
Chart 5.2: Total Number of Active Physicians[1] per 1,000 Persons by State, 2008



Source: National Center for Health Statistics. (2011). *Health, United States, 2010*. Hyattsville, MD.

(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, 1989 – 2009

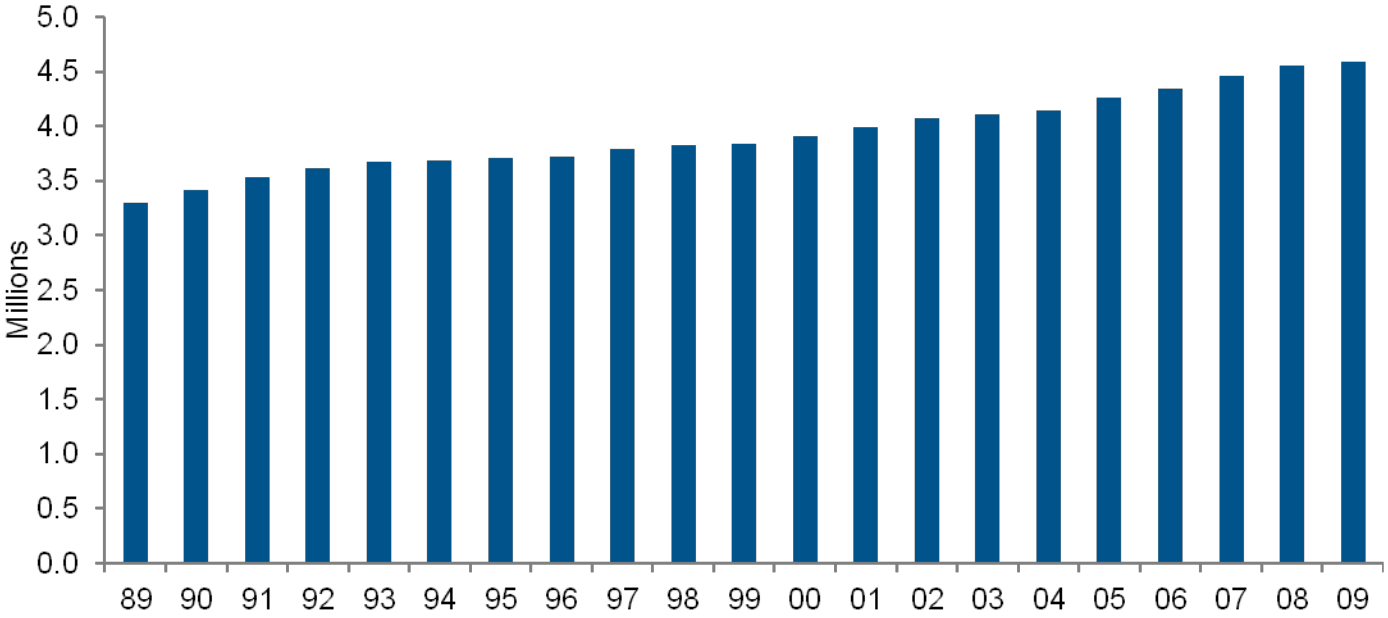


Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2009, for community hospitals.

American Hospital Association

Avalere

Chart 5.4: Total Full-time Equivalent Employees Working in Hospitals, 1989 – 2009

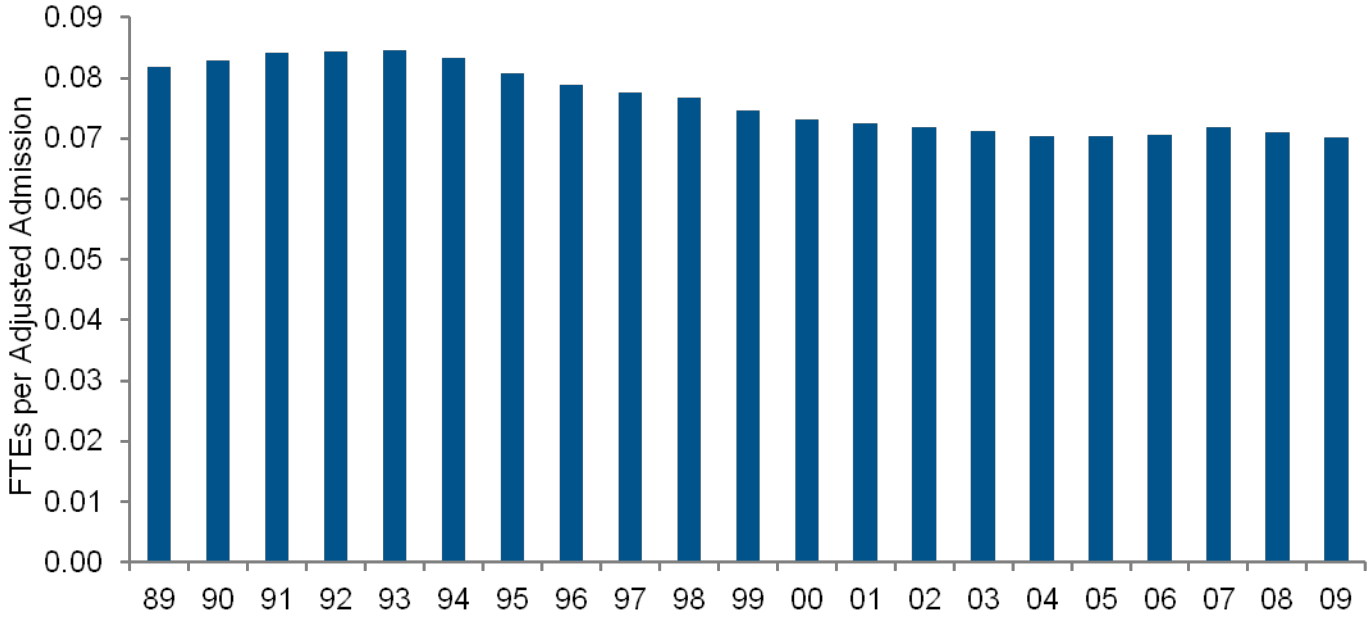


Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2009, for community hospitals.

American Hospital Association

Avalere™

Chart 5.5: Full-time Equivalent Employees per Adjusted Admission,[1] 1989 – 2009



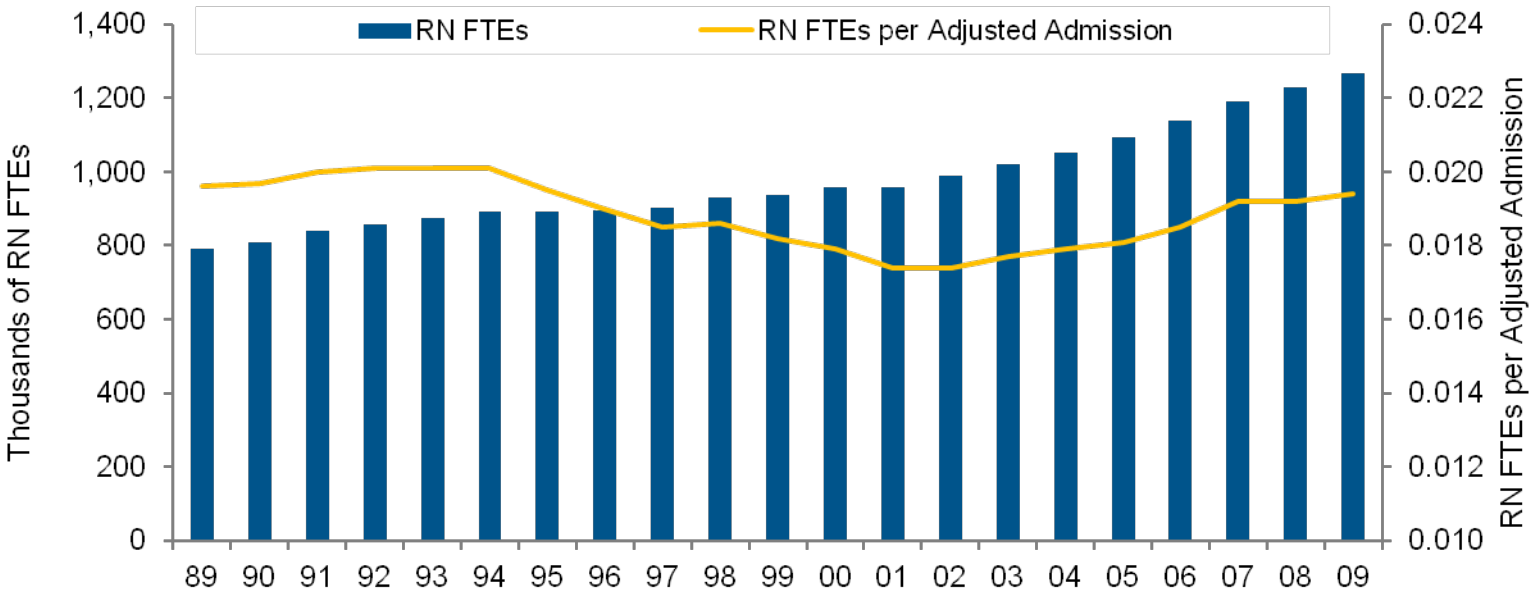
Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2009, for community hospitals.

(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.

American Hospital Association

Avalere

Chart 5.6: Number of RN Full-time Equivalent Employees and RN FTEs per Adjusted Admission, 1989 – 2009

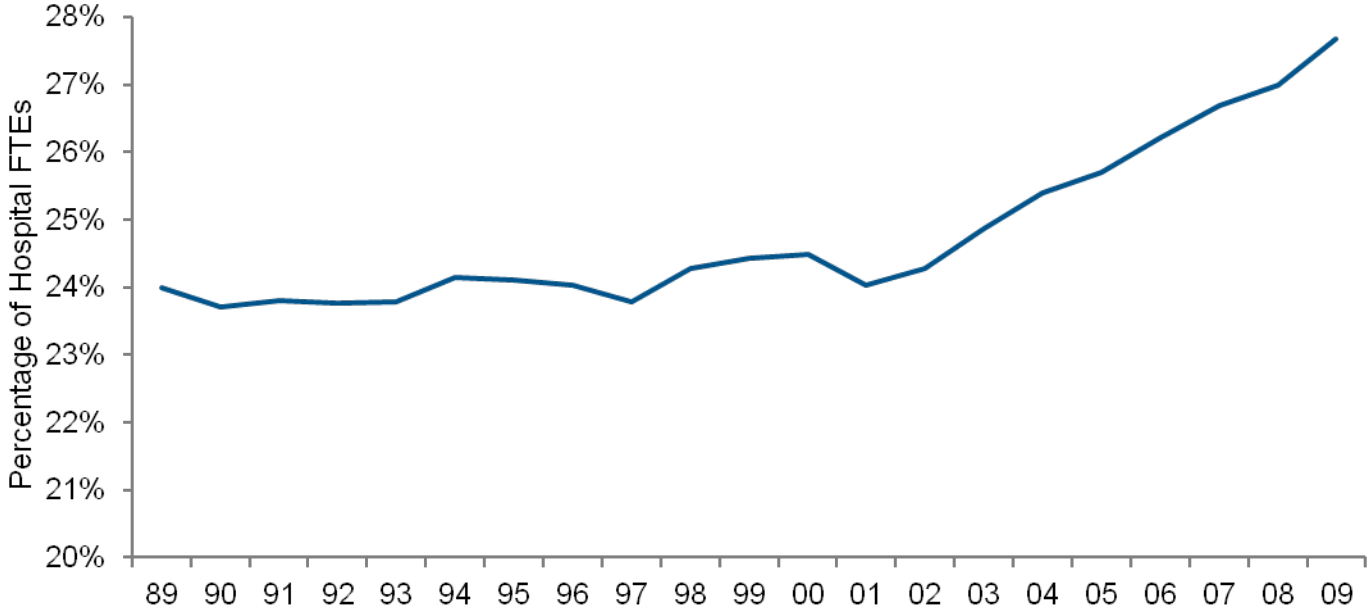


Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2009, for community hospitals.

American Hospital Association

Avalere

Chart 5.7: RN Full-time Equivalents as a Percentage of Total Hospital Full-time Equivalents, 1989 – 2009

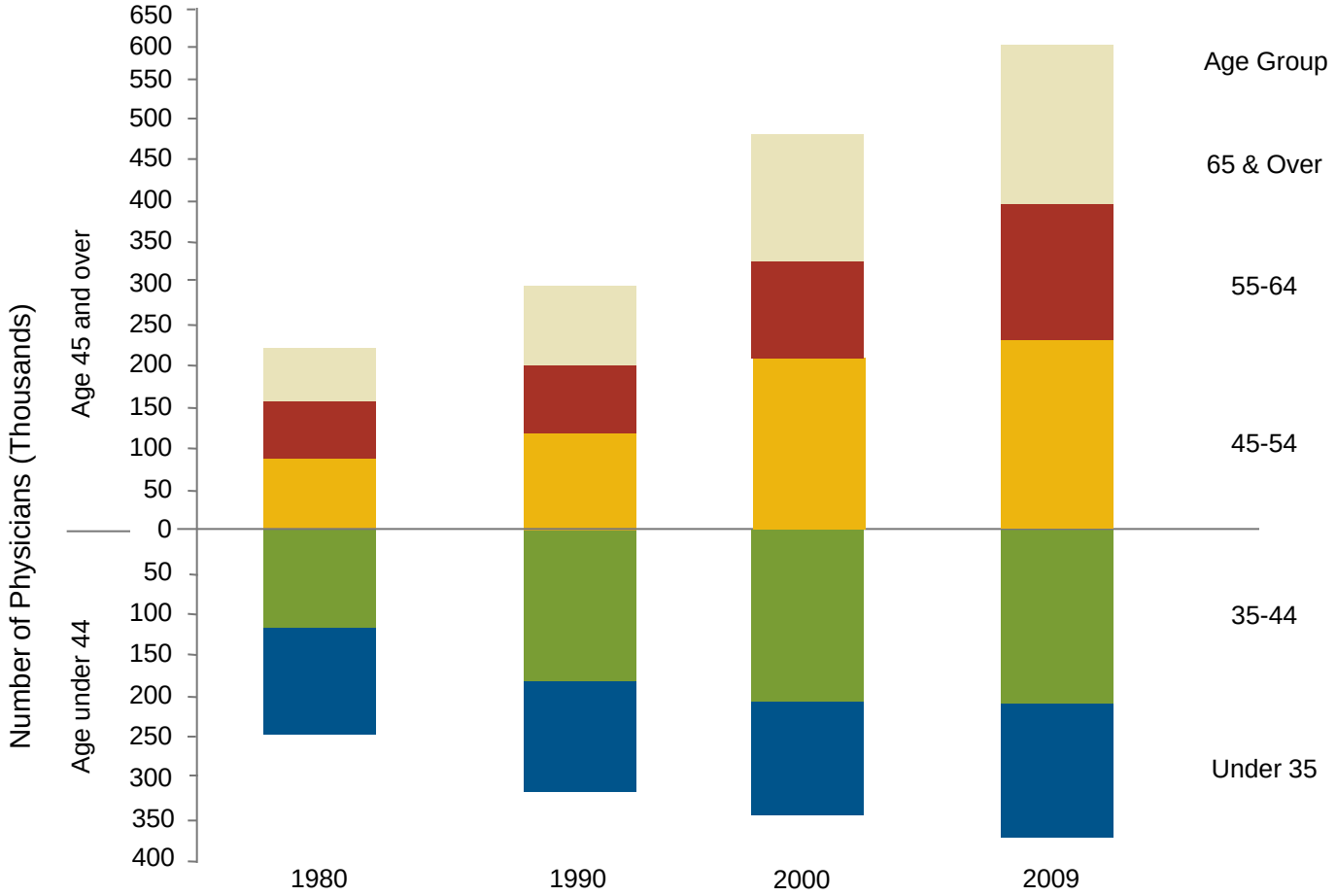


Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2009, for community hospitals.

American Hospital Association

Avalere

Chart 5.8: Number of Physicians by Age, 1980, 1990, 2000, and 2009

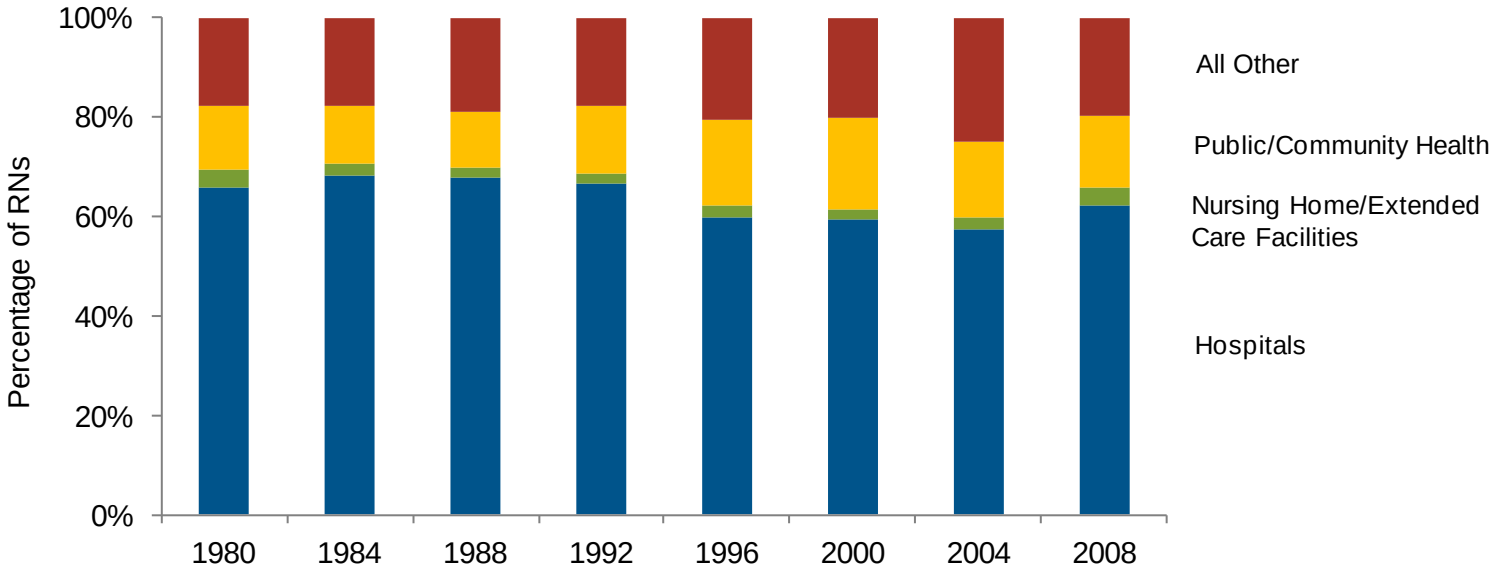


Source: American Medical Association. (2011 Edition). *Physician Characteristics and Distribution in the US*.

American Hospital Association

Avalere

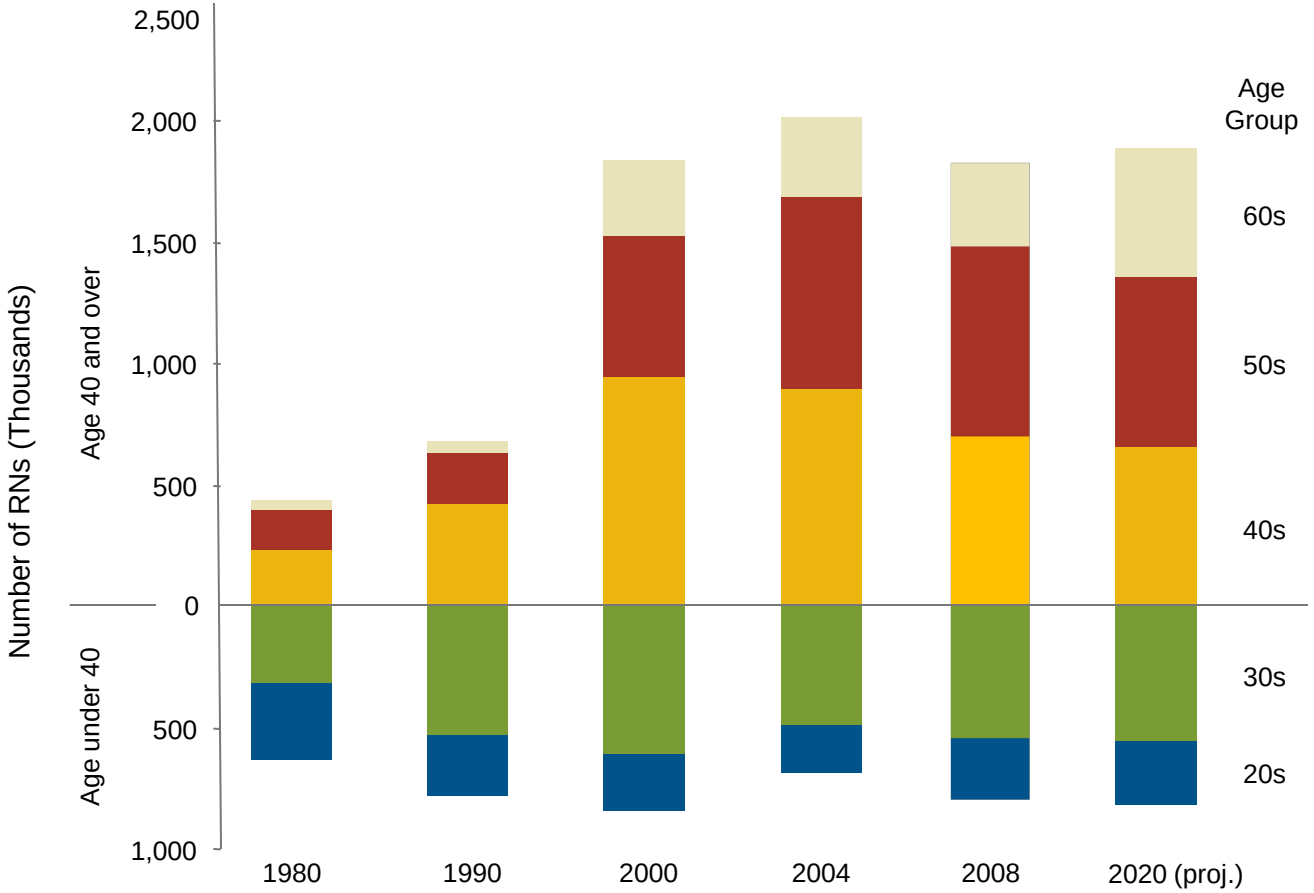
Chart 5.9: RN Employment by Type of Provider, 1980 – 2008[1]



Source: Bureau of Health Professions, Health Resources and Services Administration. (2010). *Findings from the 2008 National Sample Survey of Registered Nurses*. Link: http://bhpr.hrsa.gov/healthworkforce/rnsurvey/2008/nssrn2008.pdf.

(1) Total percent by setting may not equal the estimated total of all registered nurses due to incomplete information provided by respondents and the effect of rounding.

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

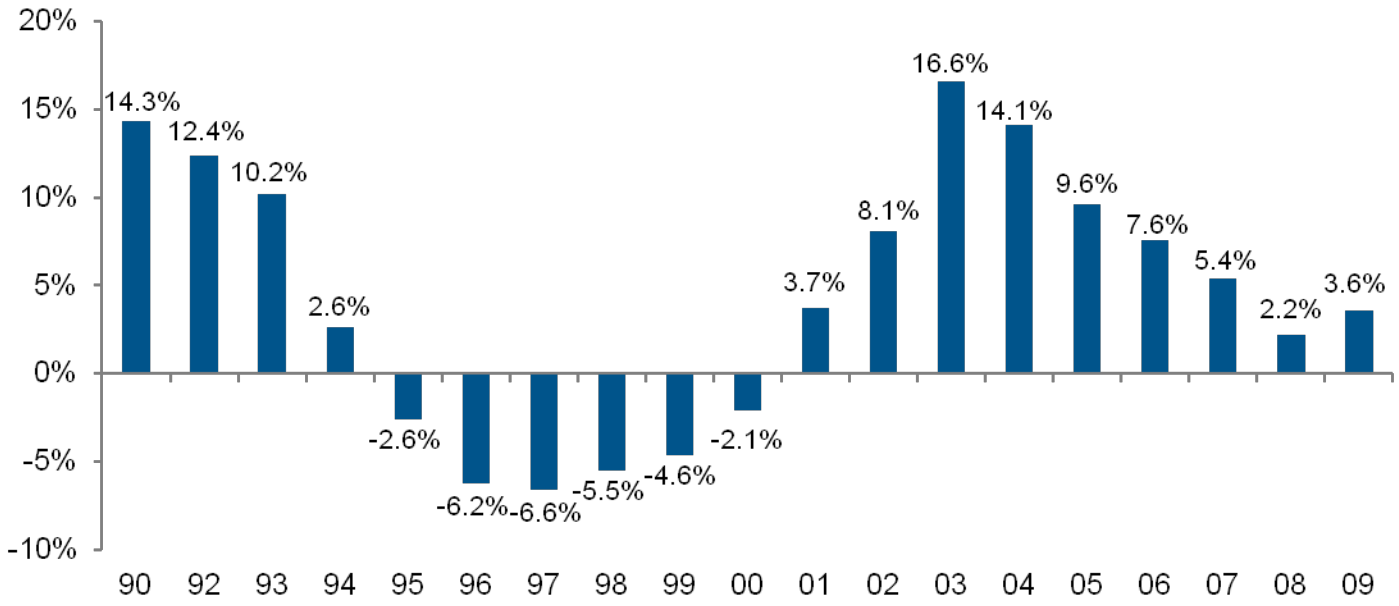


Source: Bureau of Health Professions, Health Resources and Services Administration. (1980-2004). *Findings from the National Survey of Registered Nurses*. Link: http://bhpr.hrsa.gov/healthworkforce/rnsurvey04/2.htm#age. Bureau of Health Professions, Health Resources and Services Administration. (2010). *Findings from the 2008 National Sample Survey of Registered Nurses*. Link: http://bhpr.hrsa.gov/healthworkforce/rnsurvey/2008/nssrn2008.pdf. 2020 projections derived from The Lewin Group analysis of the *National Sample Survey of Registered Nurses*, 2000.

American Hospital Association

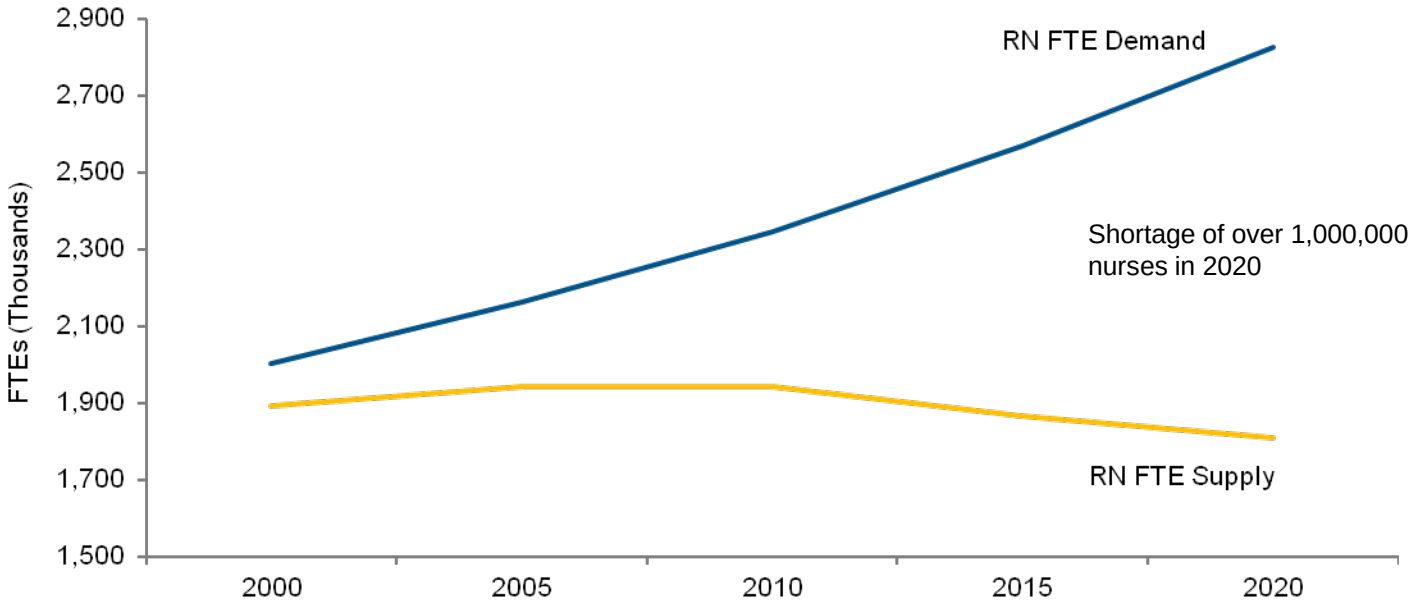
Avalere

Chart 5.11: Annual Percentage Change in Entry Level Baccalaureate Nursing Enrollment, 1990 – 2009



Source: American Association of Colleges of Nursing. (1994-2009). *Percent Change in Enrollments in Entry-Level Baccalaureate Nursing Programs: 1994-2009.* Link: http://www.aacn.nche.edu/Media/pdf/EnrollChanges.pdf, and Berlin, L.E. et al. *Enrollment and Graduations in Baccalaureate and Graduate Programs in Nursing*. Washington, DC: AACN.

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: http://dwd.wisconsin.gov/healthcare/pdf/behind_the_shortage.pdf.