



# CHAPTER 5

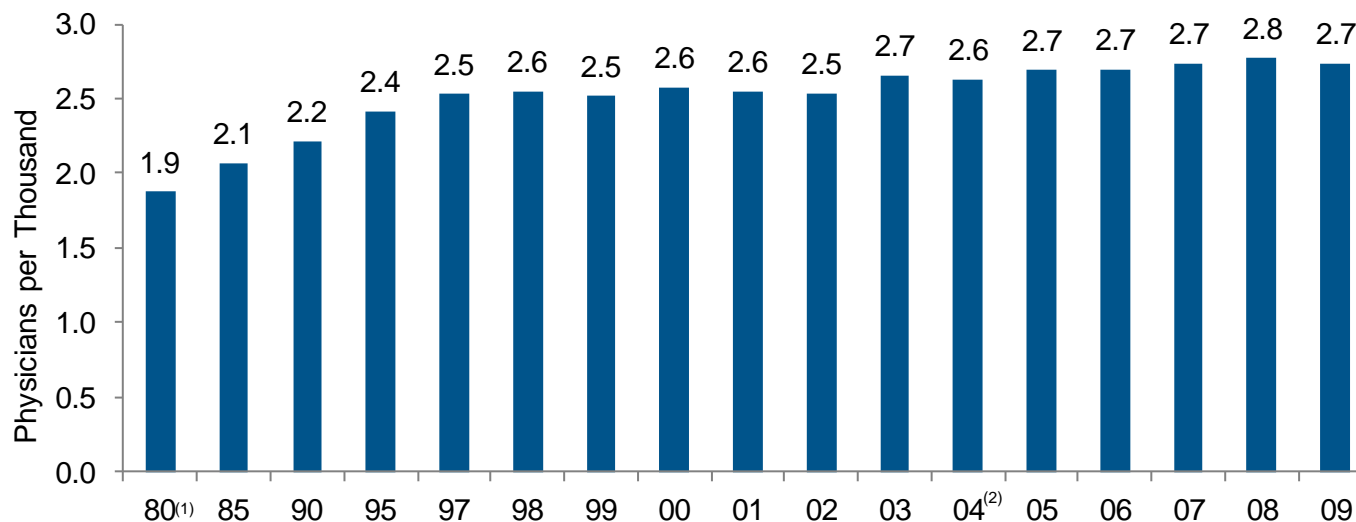
Workforce

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### Chart 5.1: Total Number of Active Physicians per 1,000 Persons, 1980 – 2009

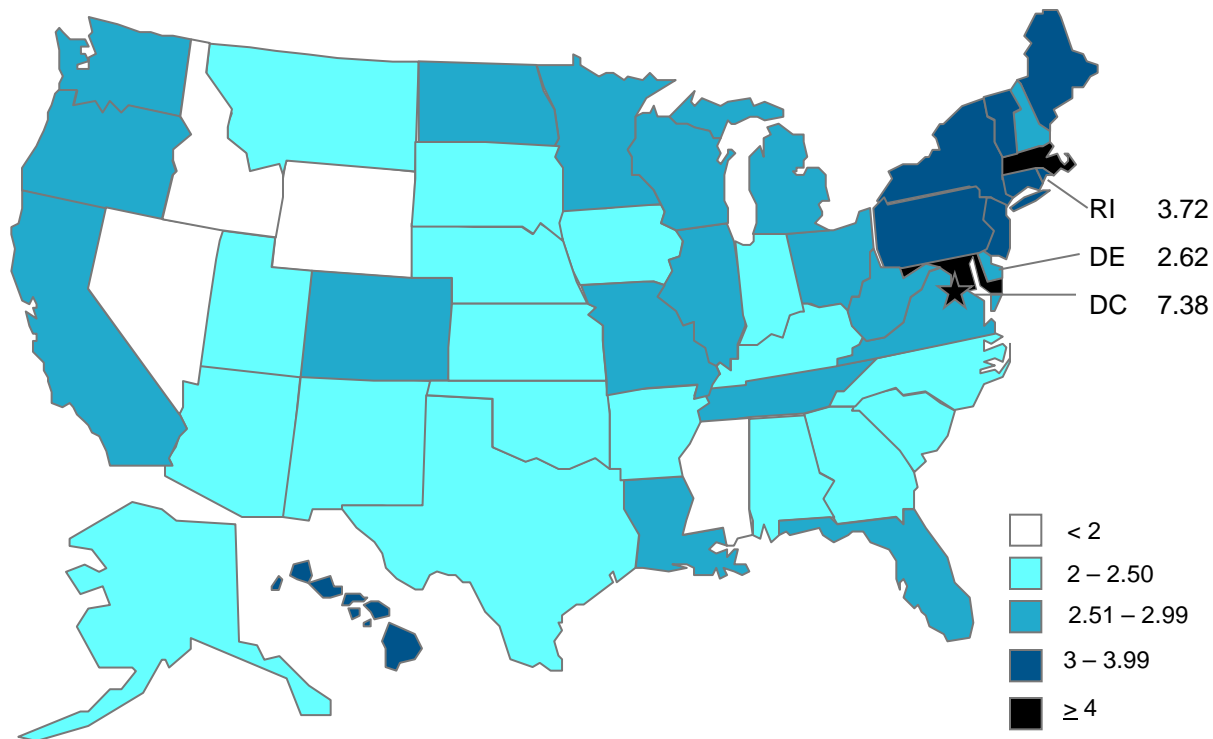


Source: National Center for Health Statistics. *Health, United States, 1982, 1996-97, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010 and 2011*. Hyattsville, MD.

<sup>(1)</sup> 1980 does not include doctors of osteopathy.

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

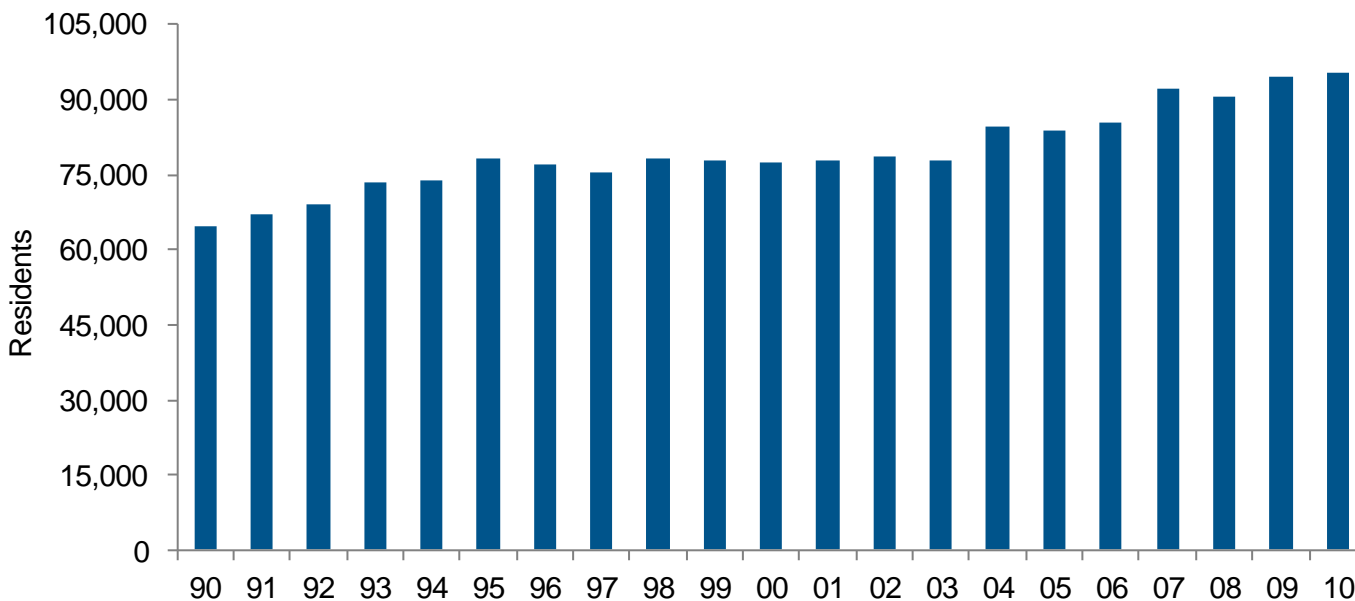
### Chart 5.2: Total Number of Active Physicians<sup>(1)</sup> per 1,000 Persons by State, 2009



Source: National Center for Health Statistics. (2012). *Health, United States, 2011*. Hyattsville, MD.

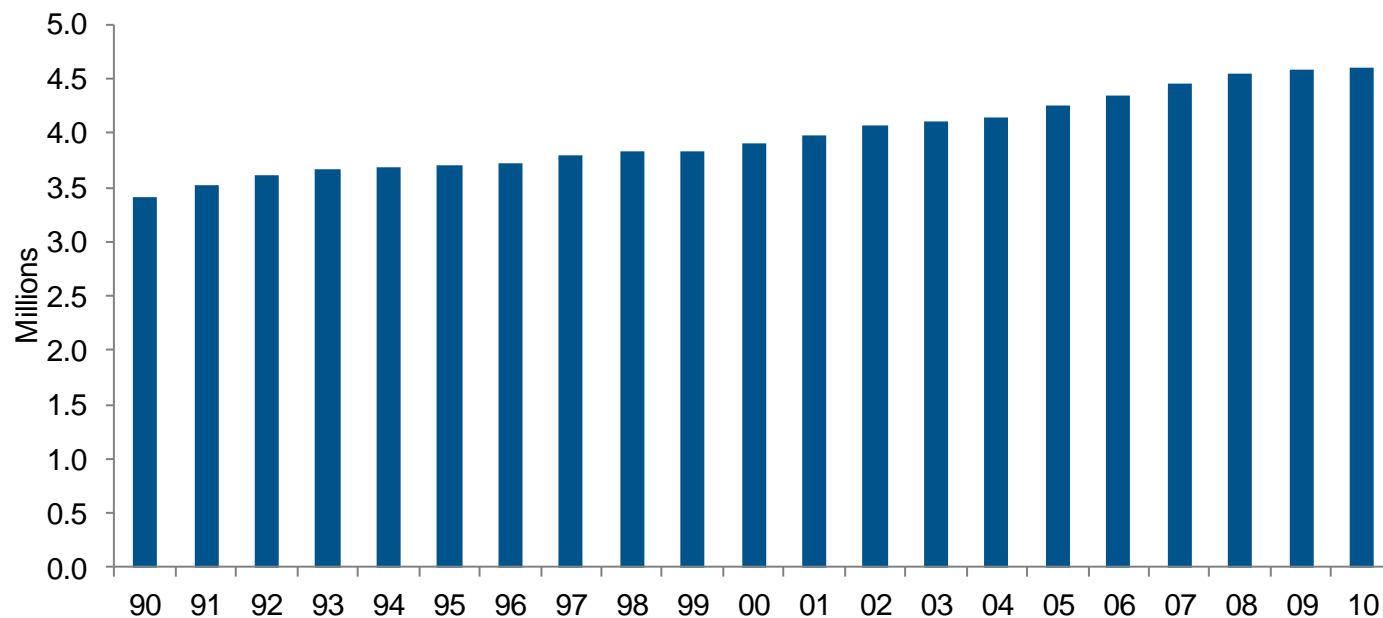
<sup>(1)</sup> Includes active federal and non-federal doctors of medicine and active doctors of osteopathy.

### Chart 5.3: Medical and Dental Residents in Training in Community Hospitals, 1990 – 2010



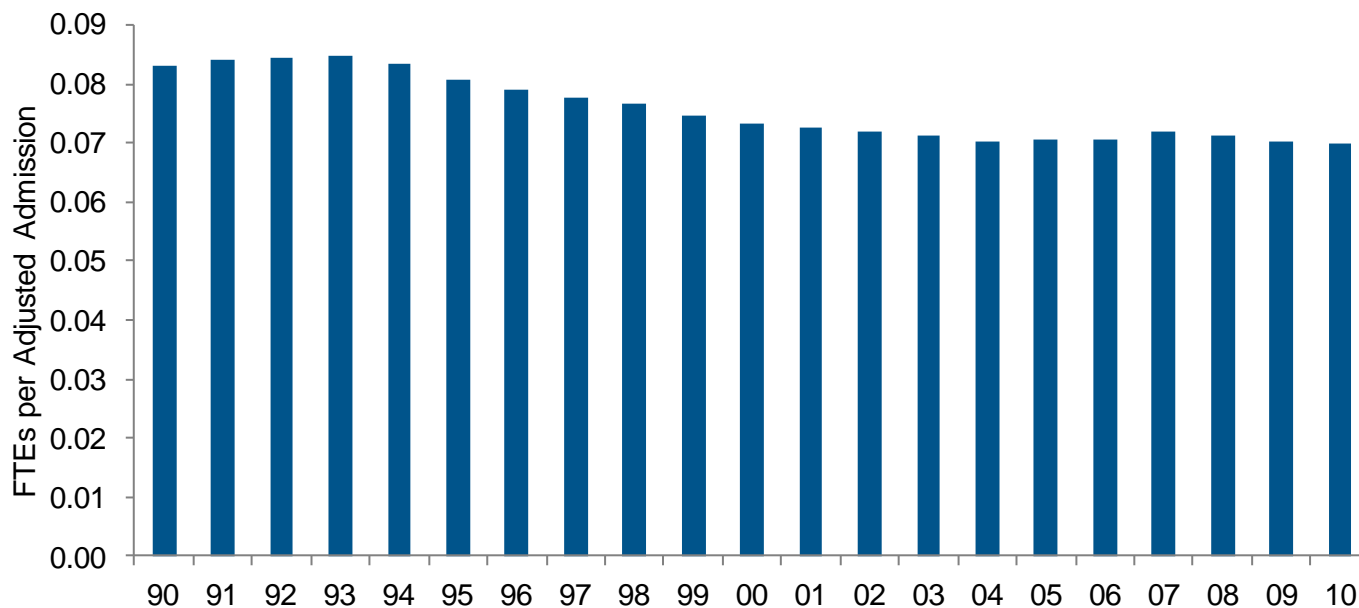
Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2010, for community hospitals.

### Chart 5.4: Total Full-time Equivalent Employees Working in Hospitals, 1990 – 2010



Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2010, for community hospitals.

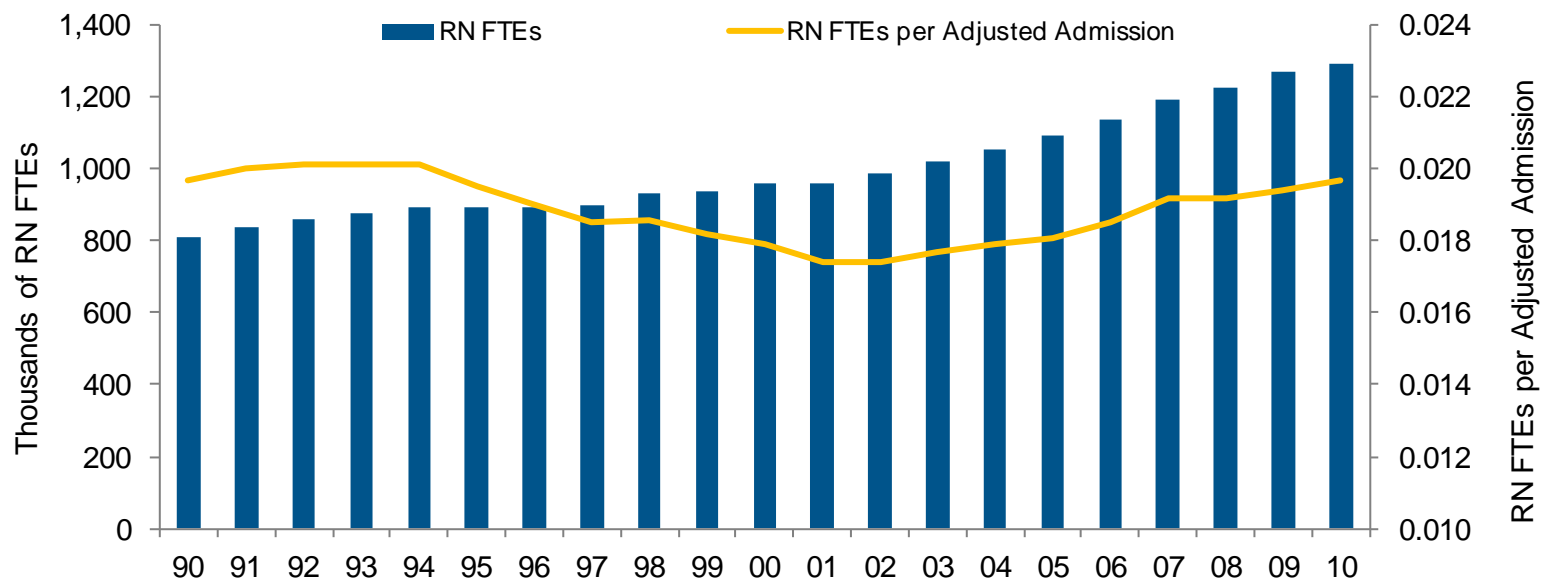
Chart 5.5: Full-time Equivalent Employees per Adjusted Admission,<sup>(1)</sup>  
1990 – 2010



Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2010, for community hospitals.

<sup>(1)</sup> 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.

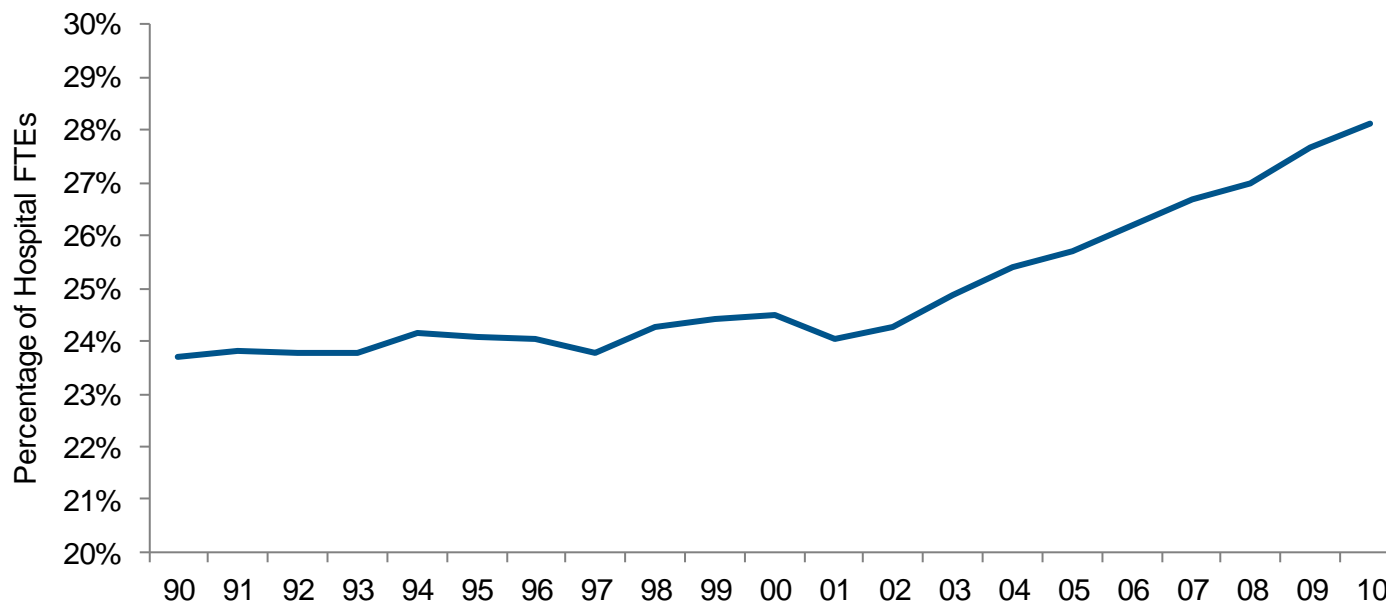
Chart 5.6: Number of RN Full-time Equivalent Employees and RN FTEs per Adjusted Admission, 1990 – 2010



Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2010, for community hospitals.

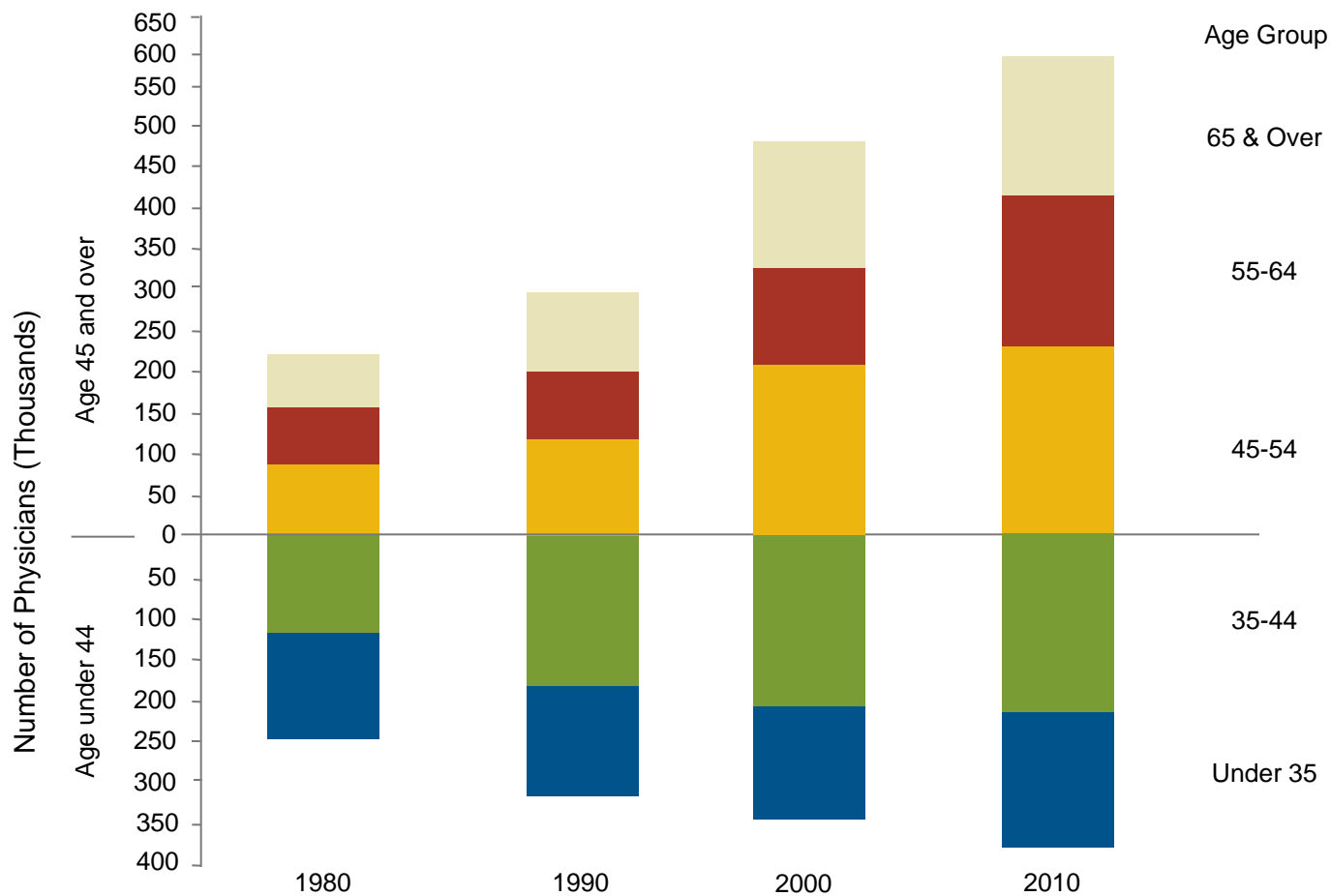


### Chart 5.7: RN Full-time Equivalents as a Percentage of Total Hospital Full-time Equivalents, 1990 – 2010



Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2010, for community hospitals.

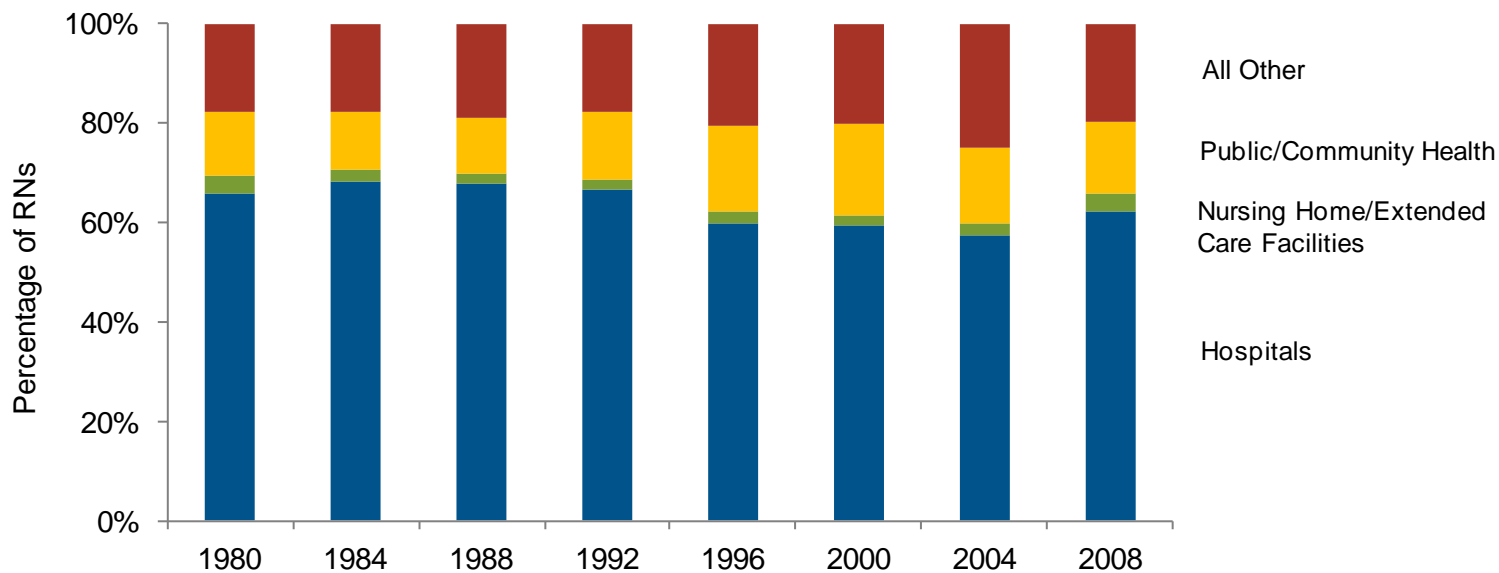
Chart 5.8: Number of Physicians<sup>(1)</sup> by Age, 1980, 1990, 2000, and 2010



Source: American Medical Association. (2012 Edition). *Physician Characteristics and Distribution in the U.S.*

<sup>(1)</sup> Includes inactive physicians and residents.

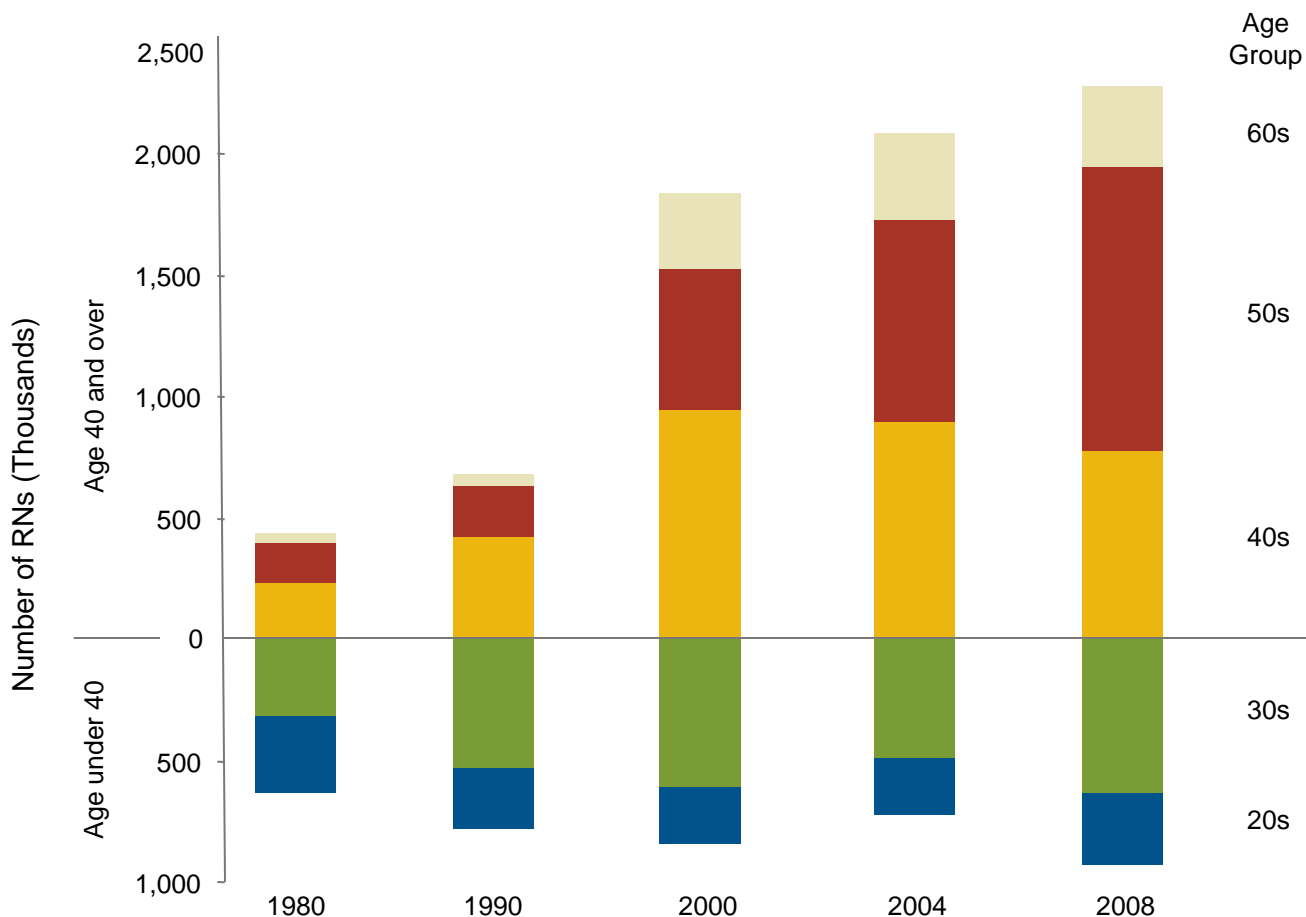
Chart 5.9: RN Employment by Type of Provider, 1980 – 2008<sup>(1)</sup>



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>.

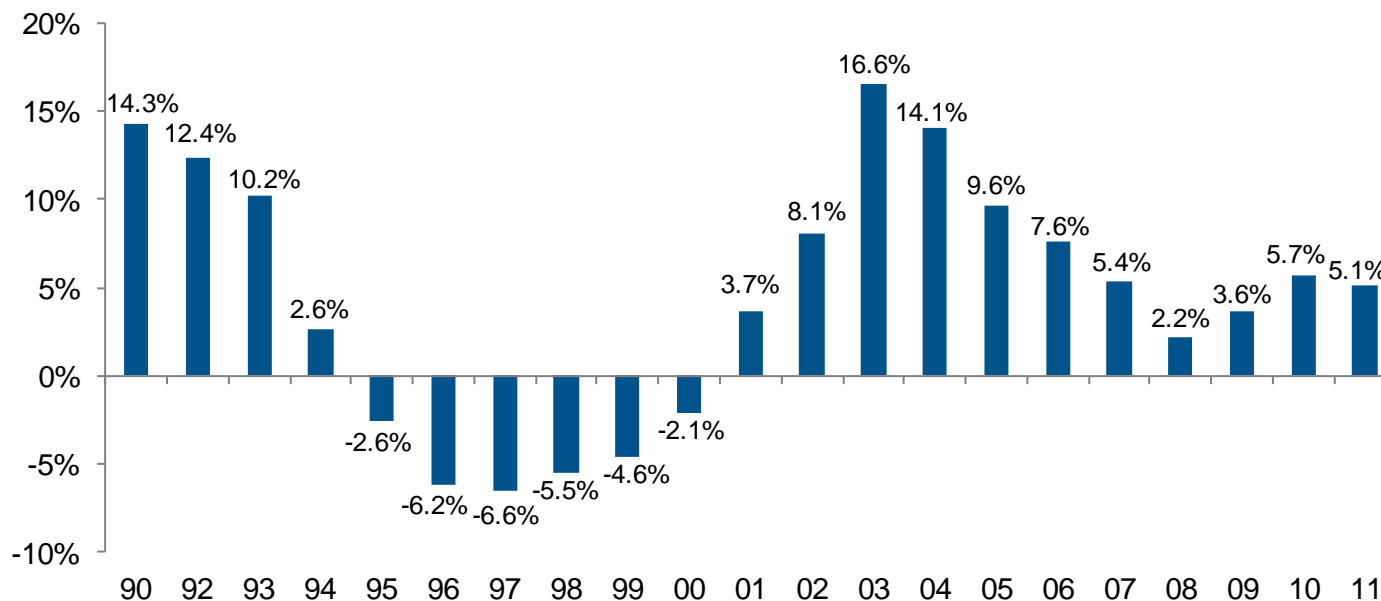
<sup>(1)</sup> Total percent by setting may not equal the estimated total of all registered nurses due to incomplete information provided by respondents and the effect of rounding.

### Chart 5.10: Distribution of RN Workforce by Age Group, 1980 – 2008



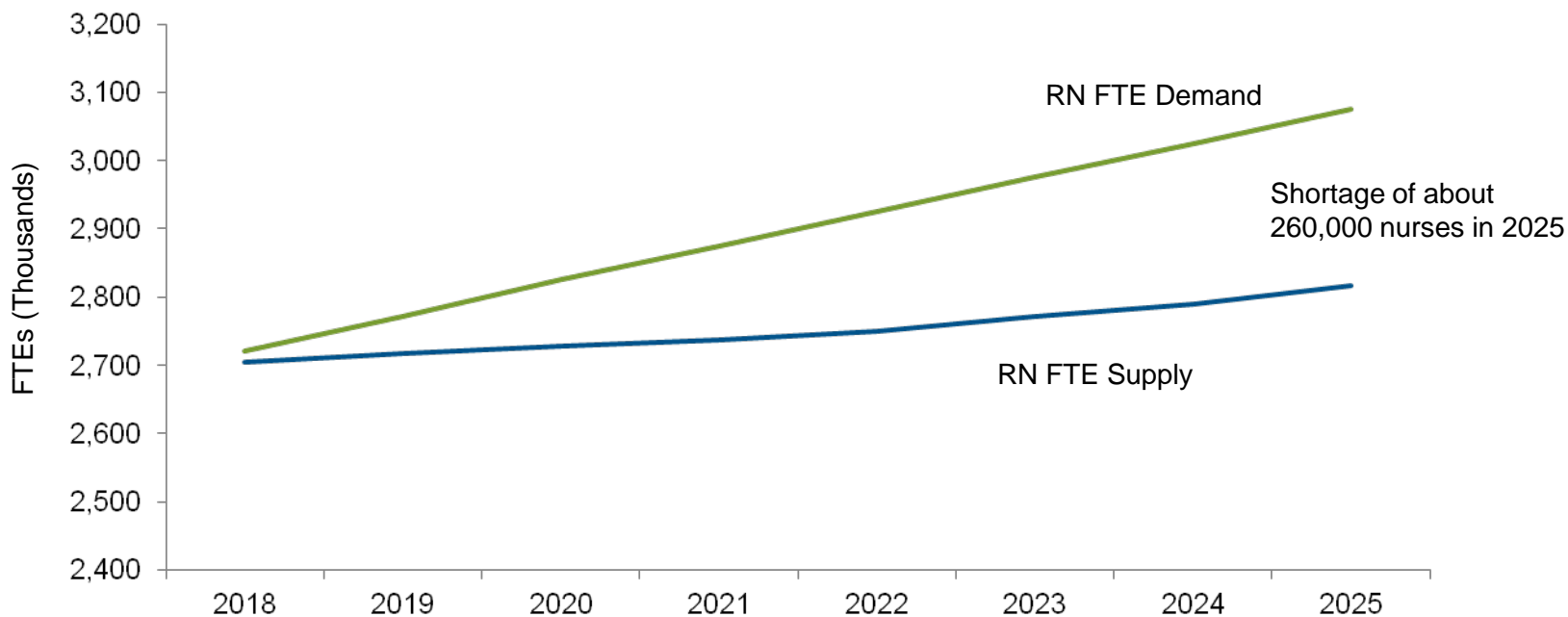
Source: Bureau of Health Professions, Health Resources and Services Administration. (1980-2004). *Findings from the National Survey of Registered Nurses*. Link: <http://bhpr.hrsa.gov/healthworkforce/rnsurvey04/2.htm#age>. Bureau of Health Professions, Health Resources and Services Administration. (2010).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

### Chart 5.11: Annual Percentage Change in Entry Level Baccalaureate Nursing Enrollment, 1990 – 2011



Source: American Association of Colleges of Nursing. (1994-2011). *Percent Change in Enrollments in Entry-Level Baccalaureate Nursing Programs: 1994-2011*. 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, 2018 – 2025



Source: Copyrighted and published by Project HOPE/Health Affairs as Buerhaus PI, Auerbach DI, Staiger DO. The Recent Surge In Nurse Employment: Causes and Implications. *Health Affairs*, 2009; 28(4):w657-68. The published article is archived and available online at [www.healthaffairs.org](http://www.healthaffairs.org).