

# California Healthcare Employment Outlook

---

By

**Amar Mann**

**Analysis and Information  
Branch Chief**

**San Francisco Office**

**September 12, 2013**



# What is the Bureau of Labor Statistics?

---

- The federal agency which produces the most important statistics on the state of the economy
  - ▶ Employment and Unemployment
  - ▶ Prices
  - ▶ Wages and Benefits
  - ▶ Projections

# Objectives

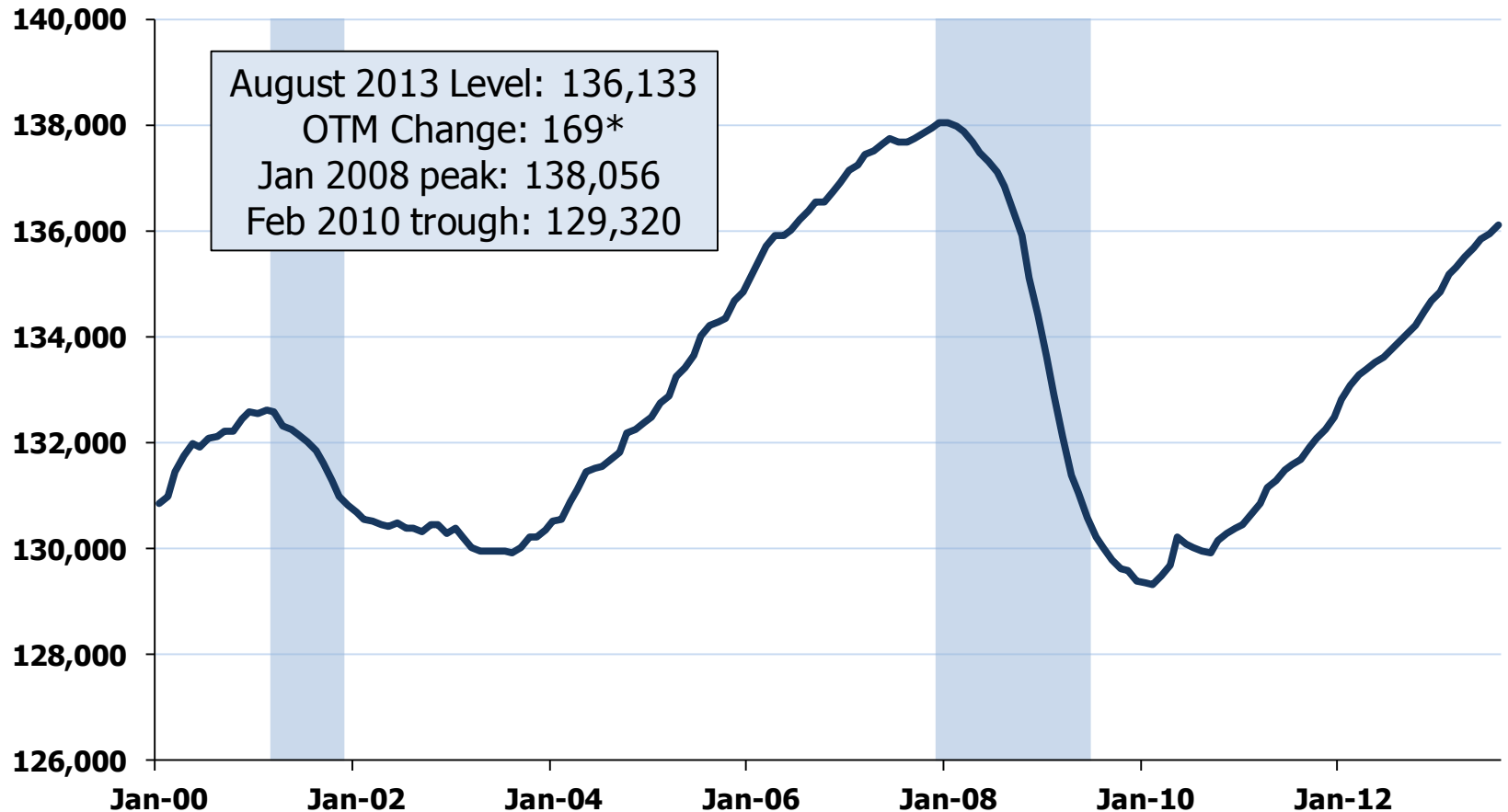
---

- Analyze current and past data on Healthcare and Hospitals Employment
- Show uses of government data on Healthcare and Hospitals
- Examine projections for healthcare jobs
- Explain how we obtain data
- Learn what we should measure and can improve

# B<sub>4</sub>

## Employment in total nonfarm January 2000–August 2013

Seasonally adjusted, in thousands



Bureau of Labor Statistics, Current Employment Statistics survey, September 06, 2013.  
 Shaded areas represent recessions as denoted by the National Bureau of Economic Research.  
 Most recent 2 months of data are preliminary.  
 \* denotes significance.

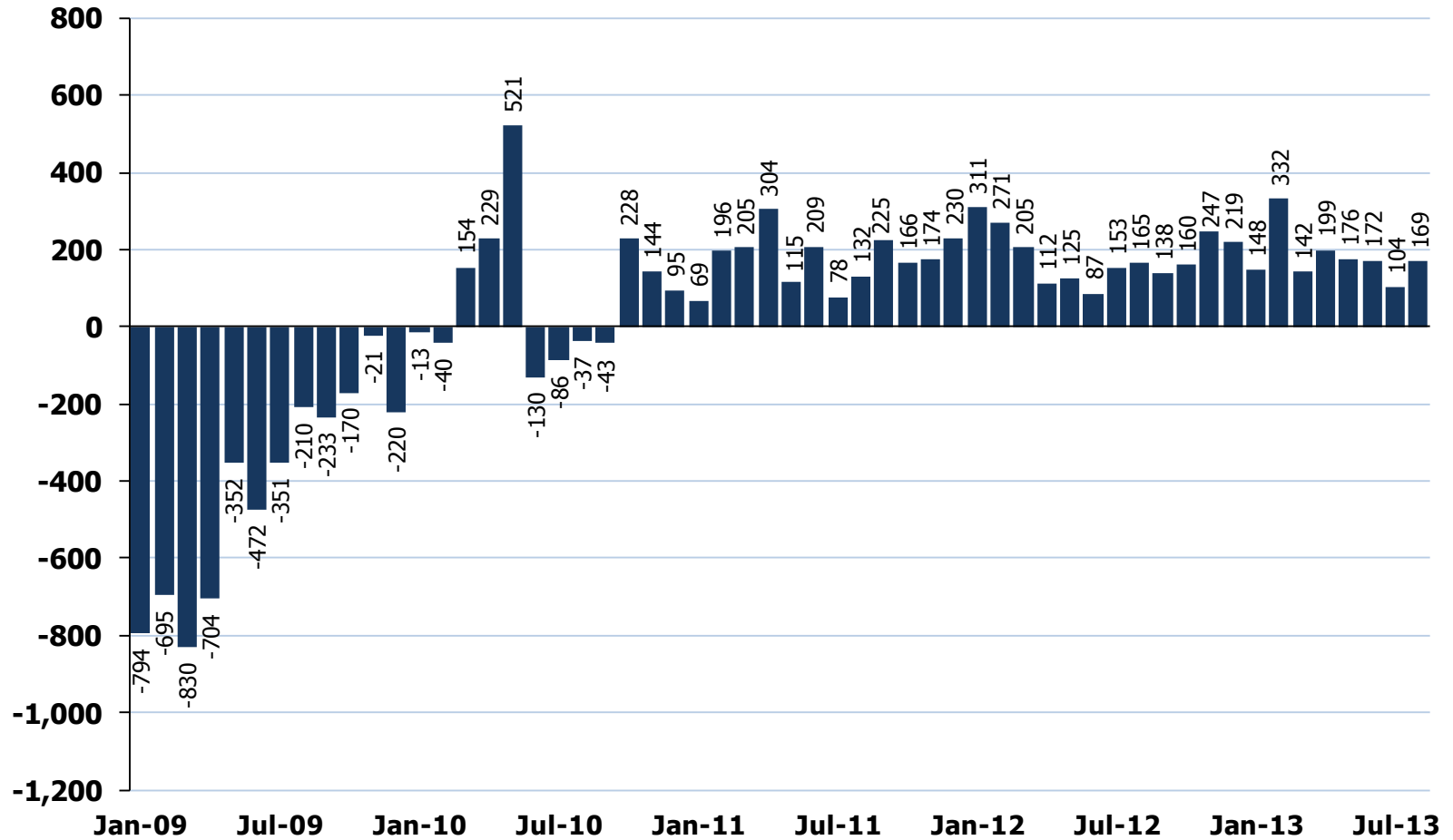


# B<sub>5</sub>

## Employment in total nonfarm

Over-the-month change, January 2009–August 2013

Seasonally adjusted, in thousands



Bureau of Labor Statistics, Current Employment Statistics survey, September 06, 2013.  
 Most recent 2 months of data are preliminary.



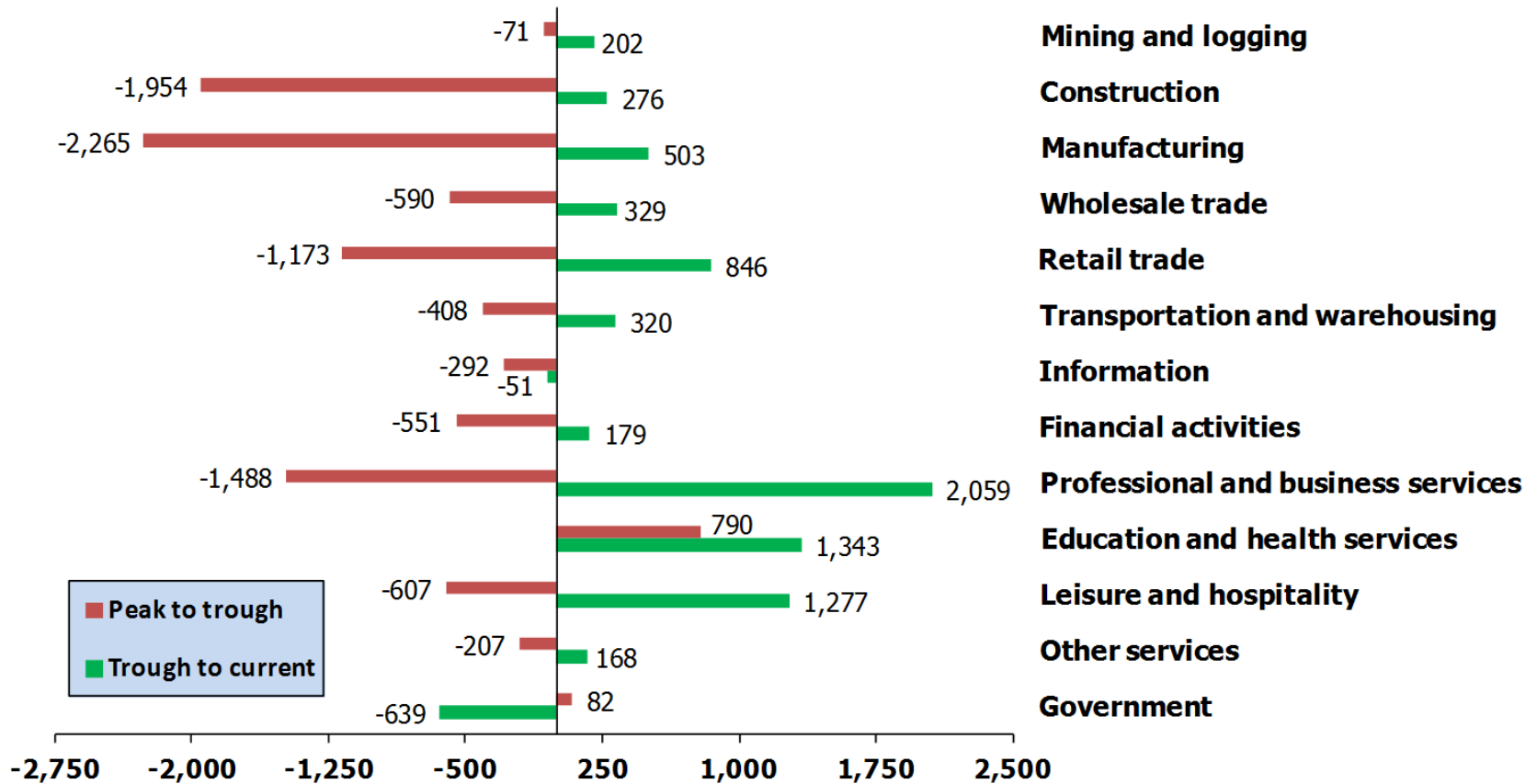
# B<sub>6</sub>

## Employment change by selected supersector

Total nonfarm peak to trough and trough to current<sup>†</sup>

Seasonally adjusted, in thousands

**Total nonfarm  
peak to trough: -8,736  
trough to current: 6,813**



<sup>†</sup> The total nonfarm employment peak was in January 2008; The total nonfarm employment trough was in February 2010.

Source: Bureau of Labor Statistics, Current Employment Statistics Survey, September 6, 2013.

Note: Most recent 2 months of data are preliminary.

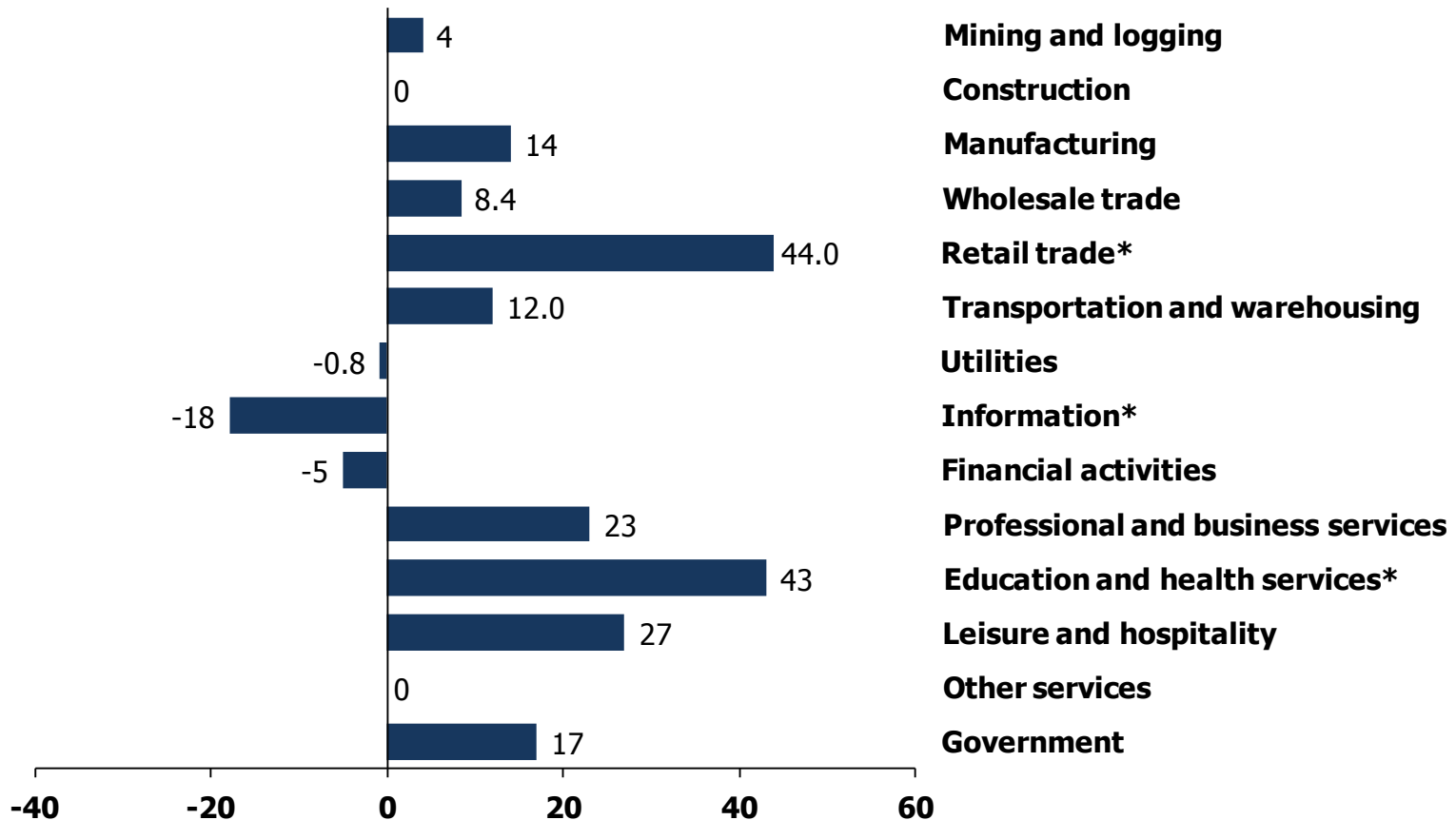


# B<sup>7</sup>employment in total nonfarm

Over-the-month change, August 2013

Seasonally adjusted, in thousands

**Total nonfarm:  
169\***



Bureau of Labor Statistics, Current Employment Statistics survey, September 06, 2013.

Data are preliminary.

\* denotes significance.

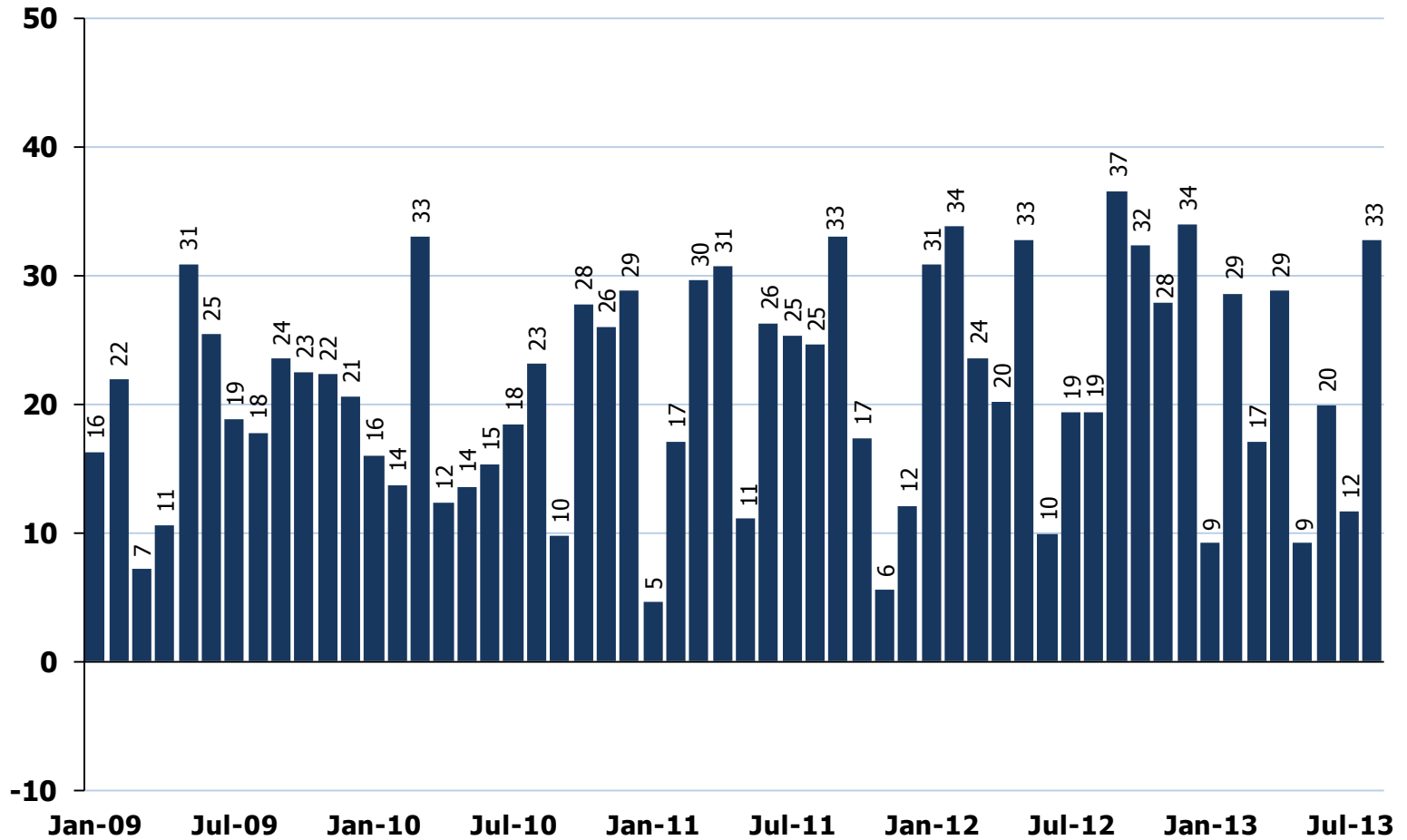




# Employment in health care

Over-the-month change, January 2009–August 2013

Seasonally adjusted, in thousands



Bureau of Labor Statistics, Current Employment Statistics survey, September 06, 2013.  
 Most recent 2 months of data are preliminary.





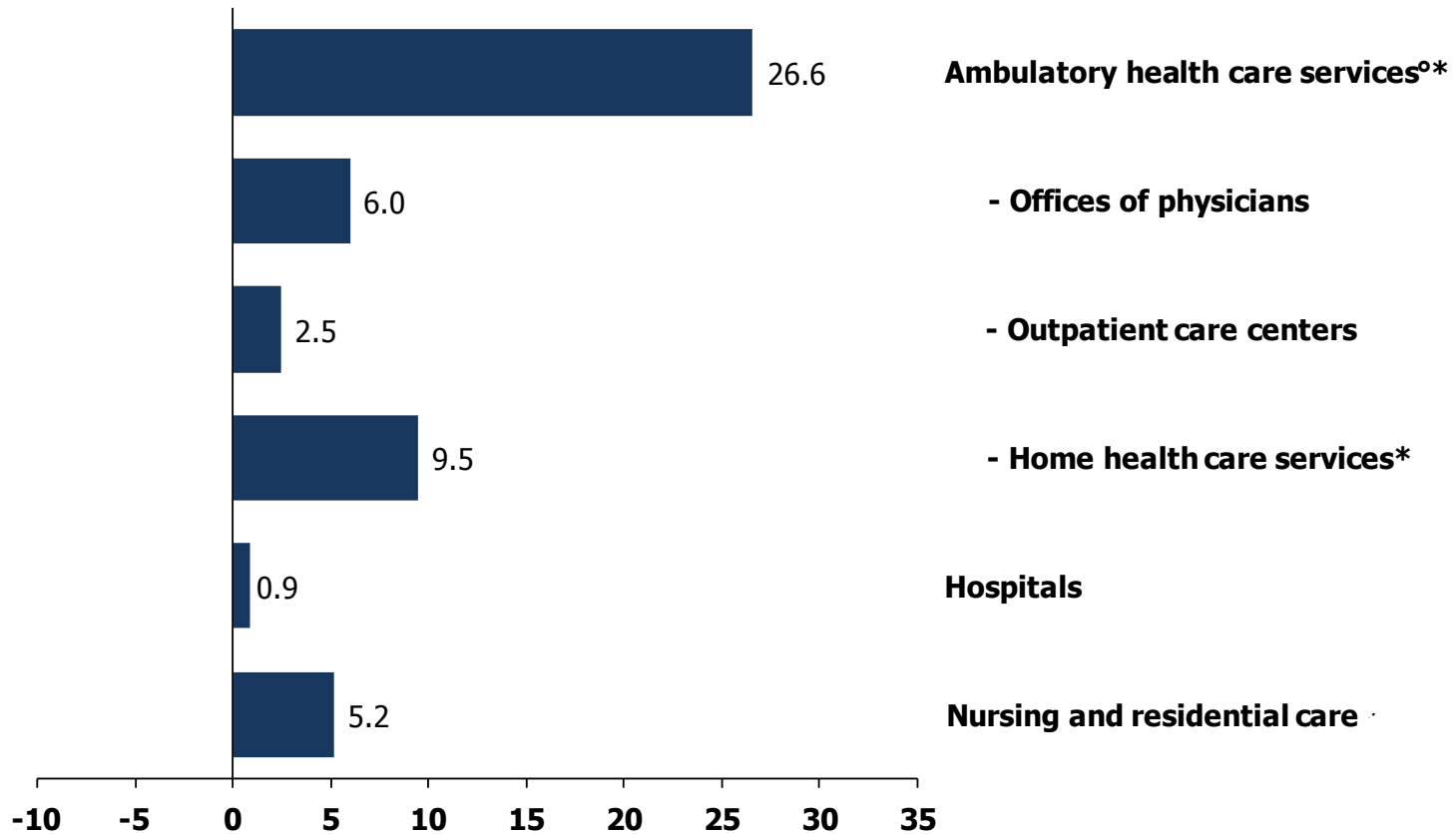
B<sub>9</sub>

# Employment in selected health care industries

Over-the-month change, August 2013

Seasonally adjusted, in thousands

**Health care industries: 33\***



Bureau of Labor Statistics, Current Employment Statistics survey, September 06, 2013.

Data are preliminary.

<sup>o</sup>Includes additional component industries not shown separately.

\* denotes significance.

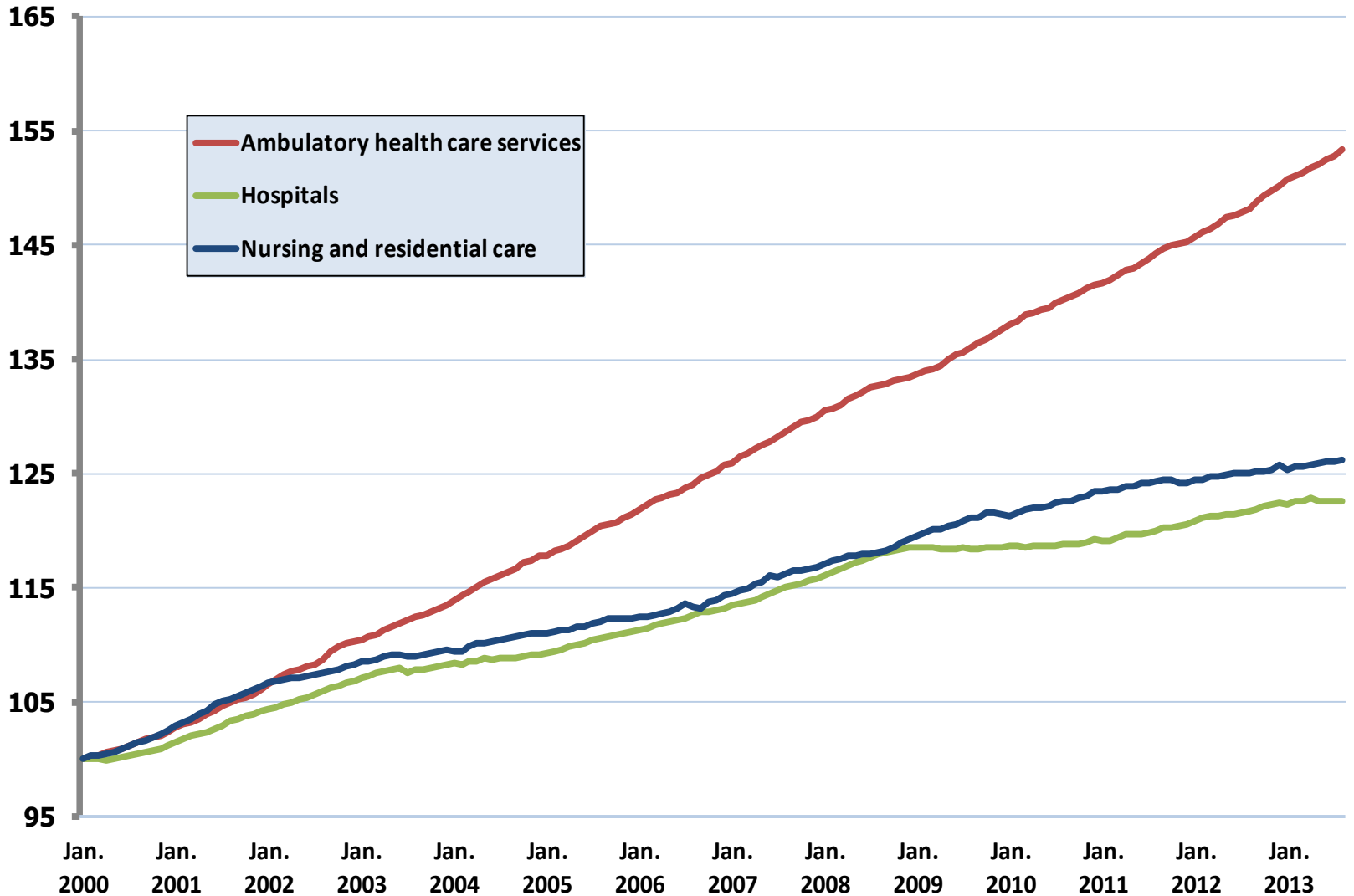


**B**  
**10**

# Index of employment in major health care services

## January 2000–August 2013

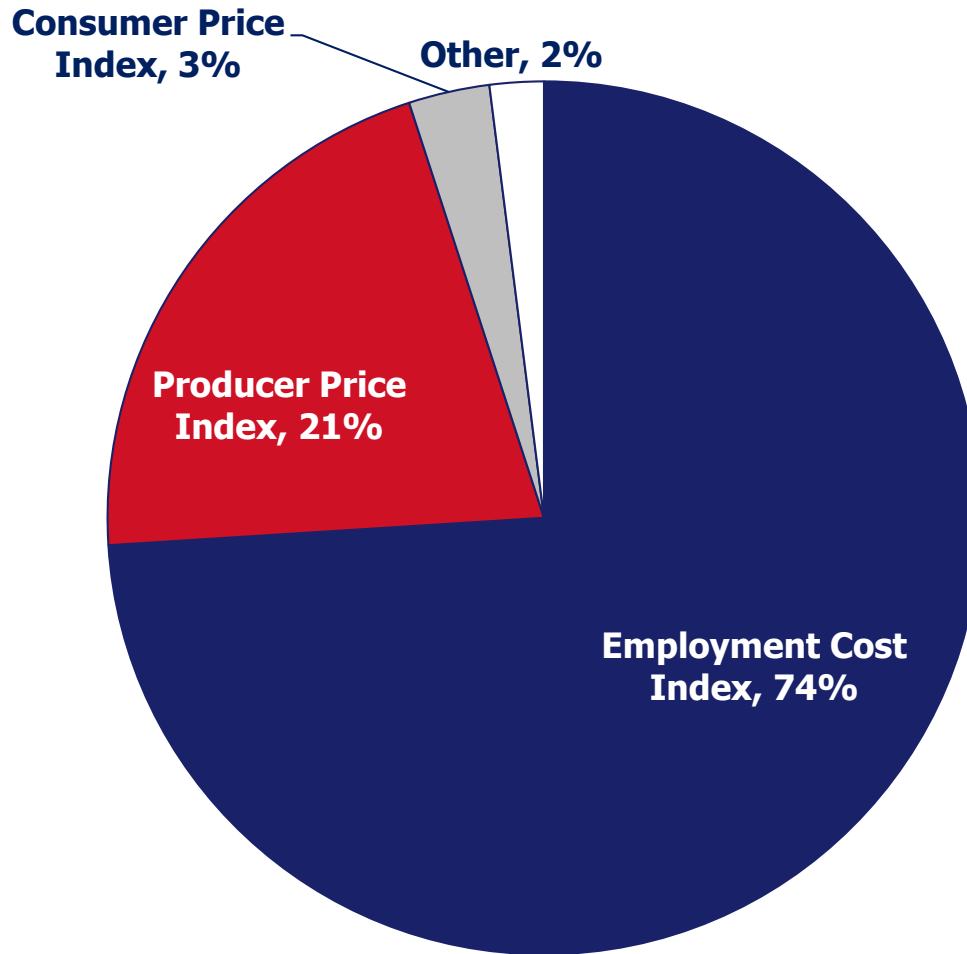
Seasonally adjusted



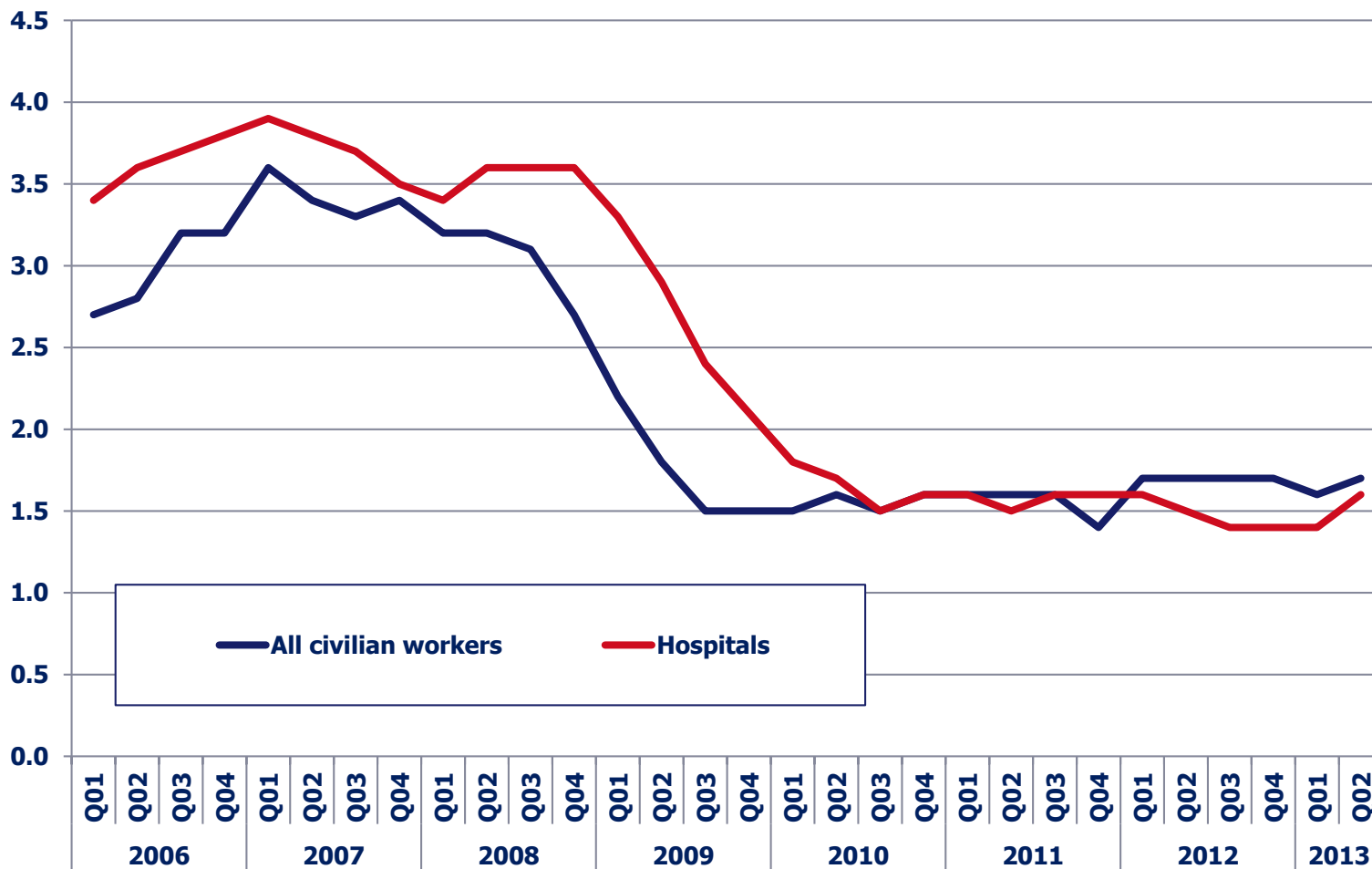
Bureau of Labor Statistics, Current Employment Statistics survey, September 06, 2013.  
Most recent 2 months of data are preliminary.



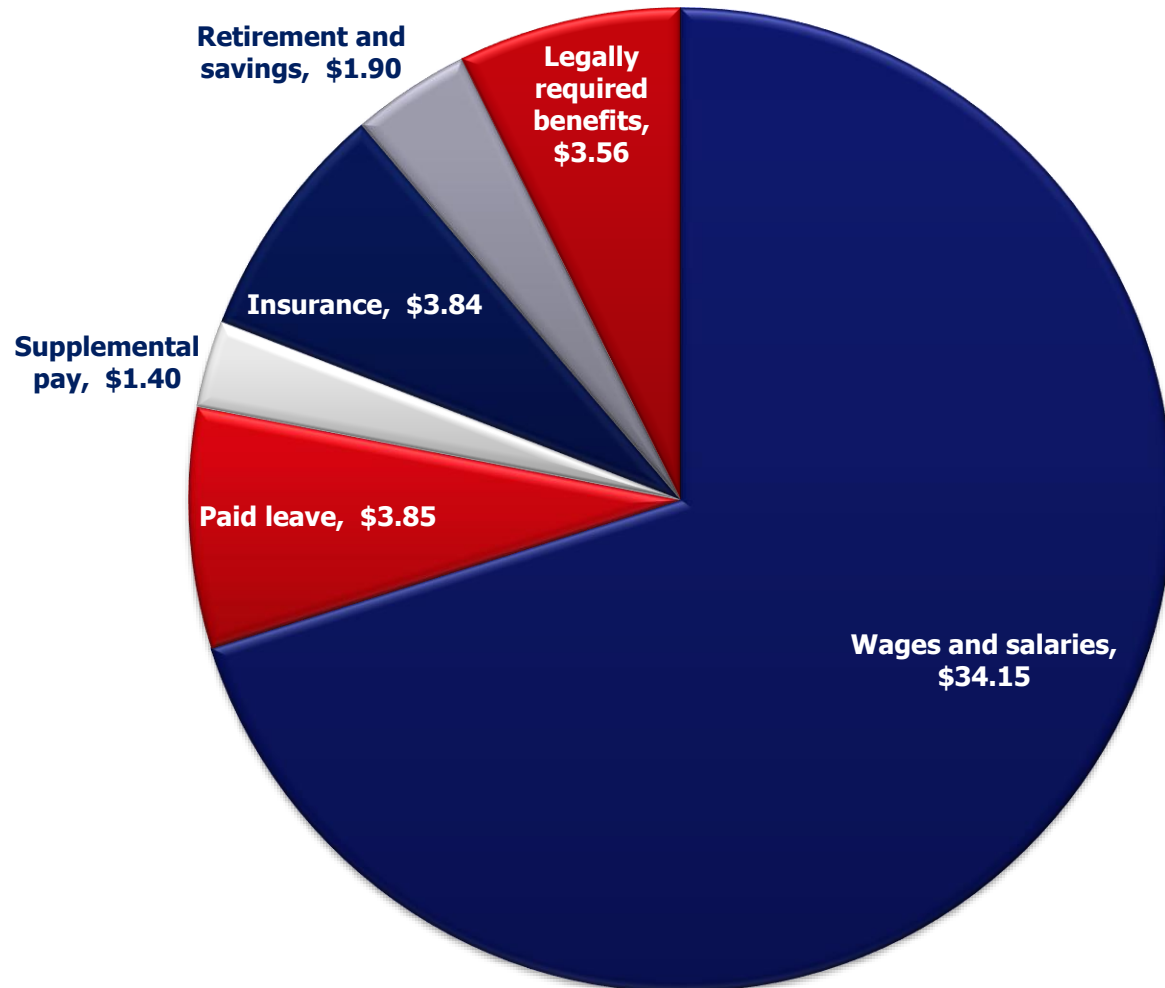
# Sources of Market Basket Weights for the Prospective Payment System Hospital Input Price Index



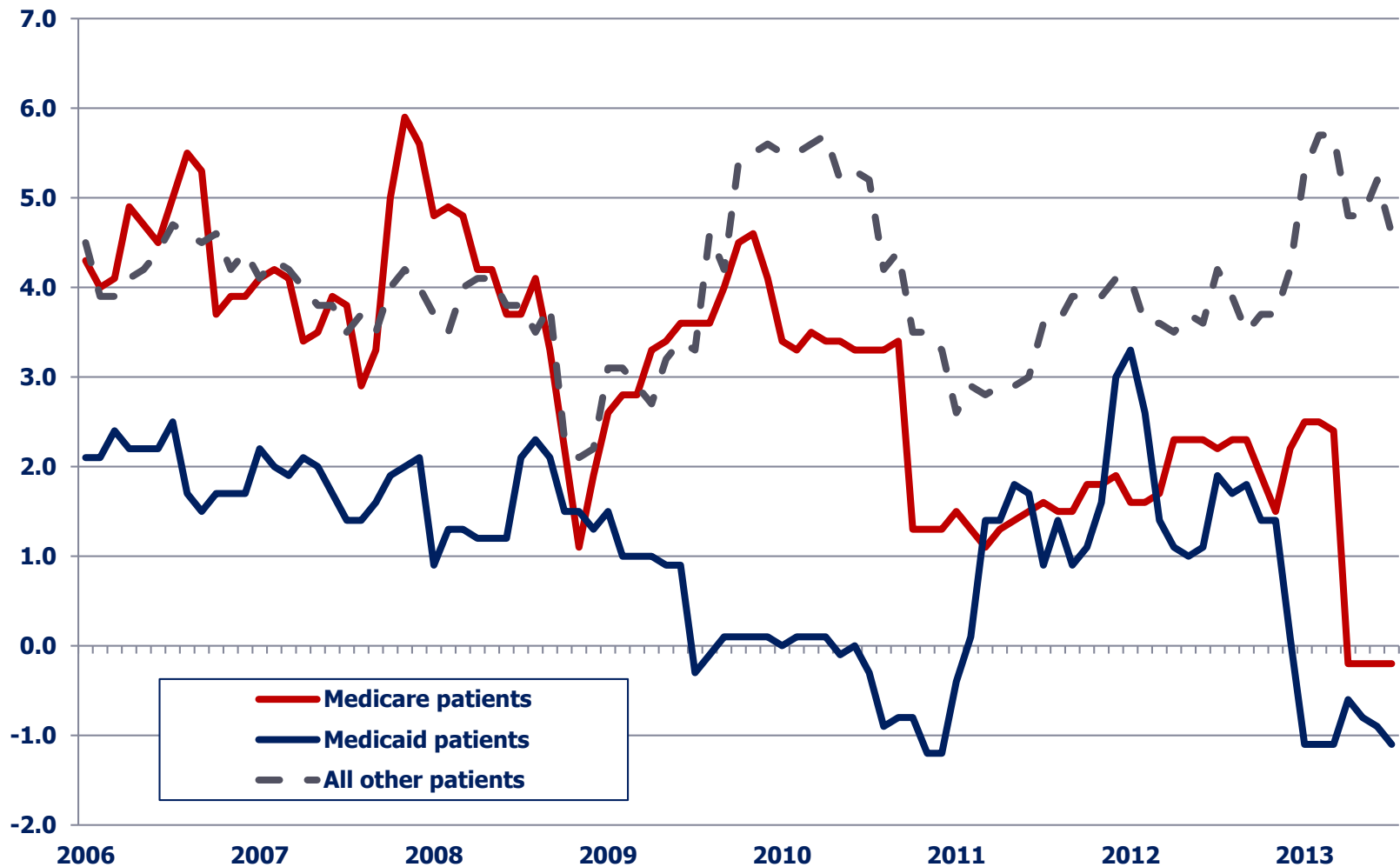
# 12-month Percent Change in Wages and Salaries



# Employer Costs per hour worked for Registered Nurses



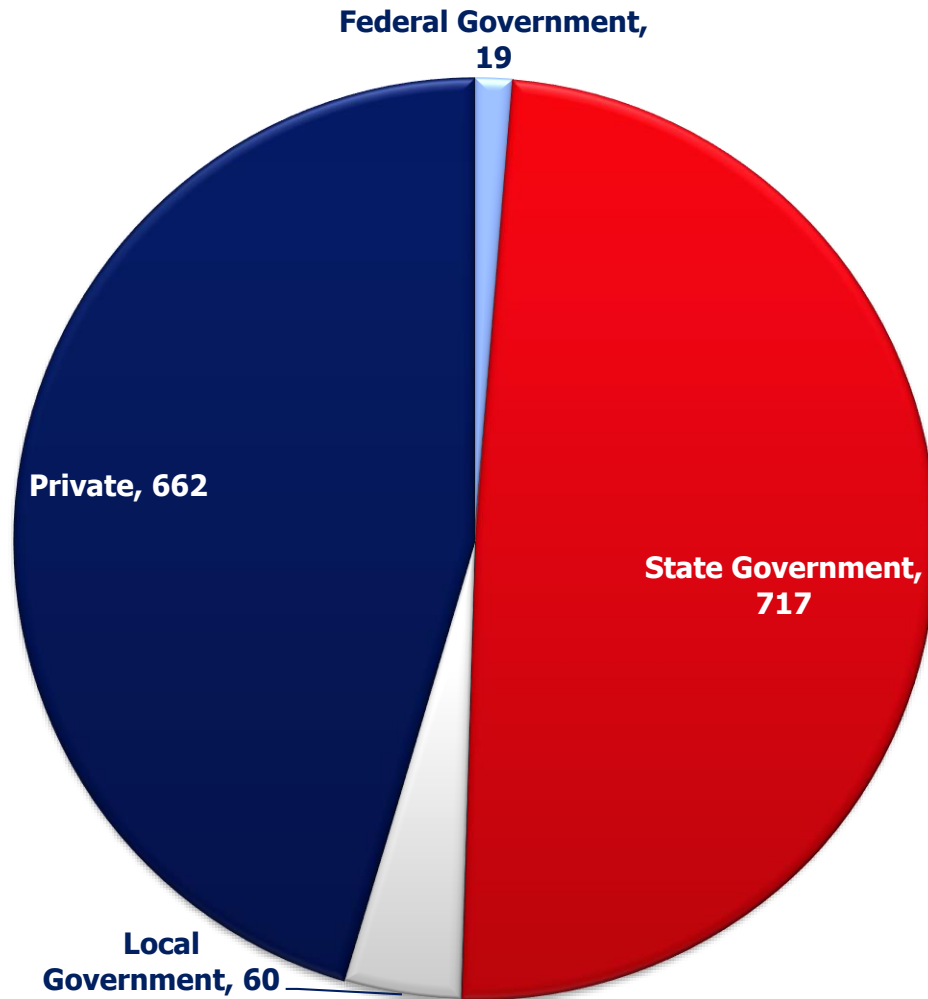
# 12-month Percent Change in PPI for General and Surgical Hospitals by Payor Type



Source: U.S. Bureau of Labor Statistics – Producer Price Index

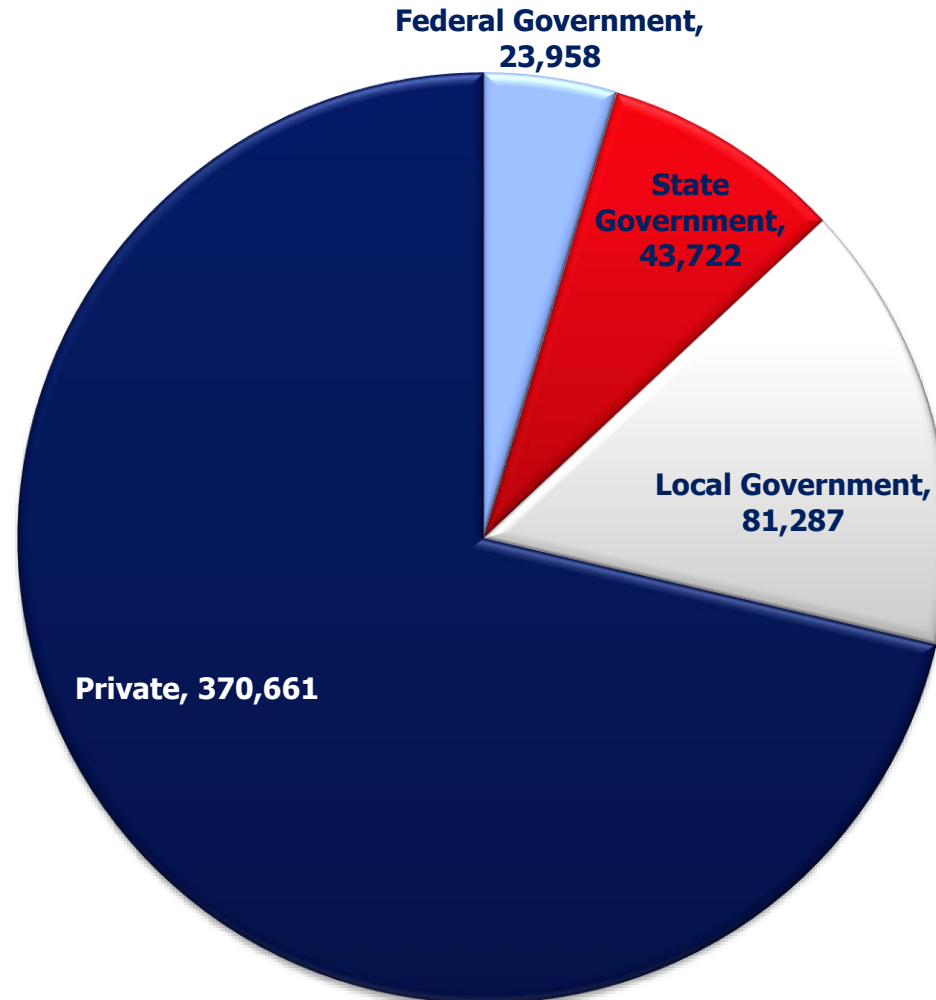
# CALIFORNIA HEALTHCARE

# Number of Hospitals in California

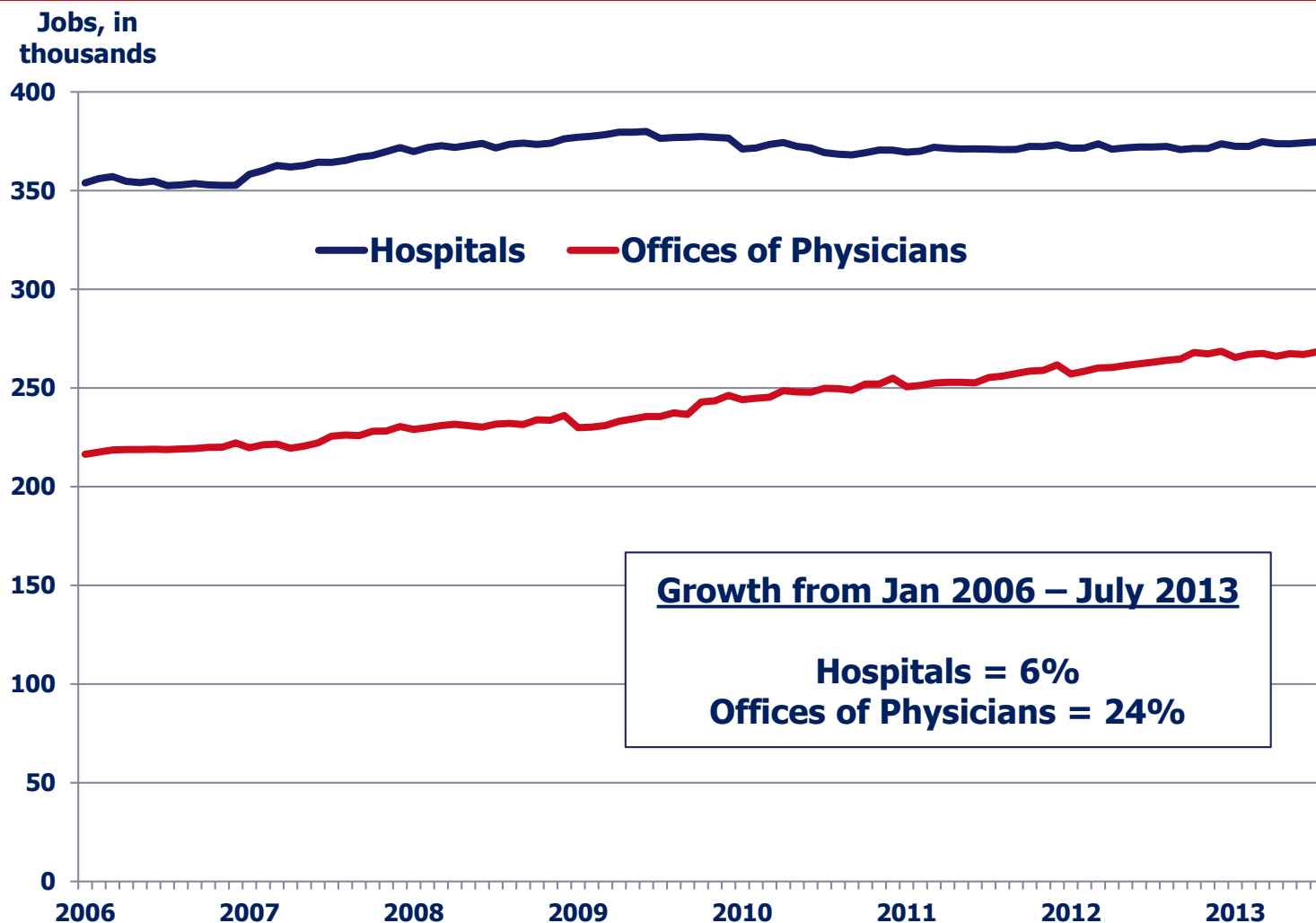




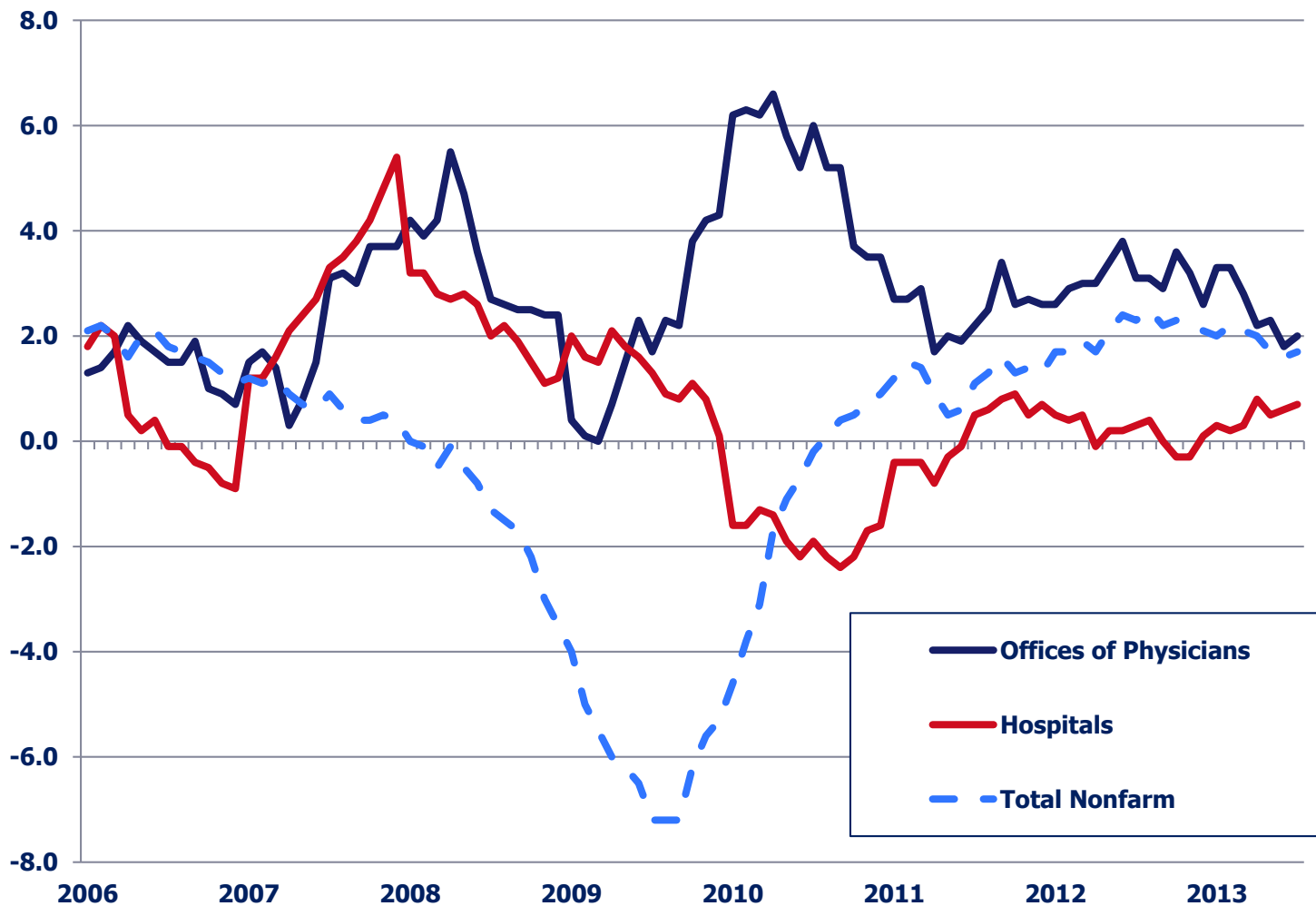
# Number of Hospital Employees in California



# Employment Growth in Offices of Physicians outpacing Hospitals in California

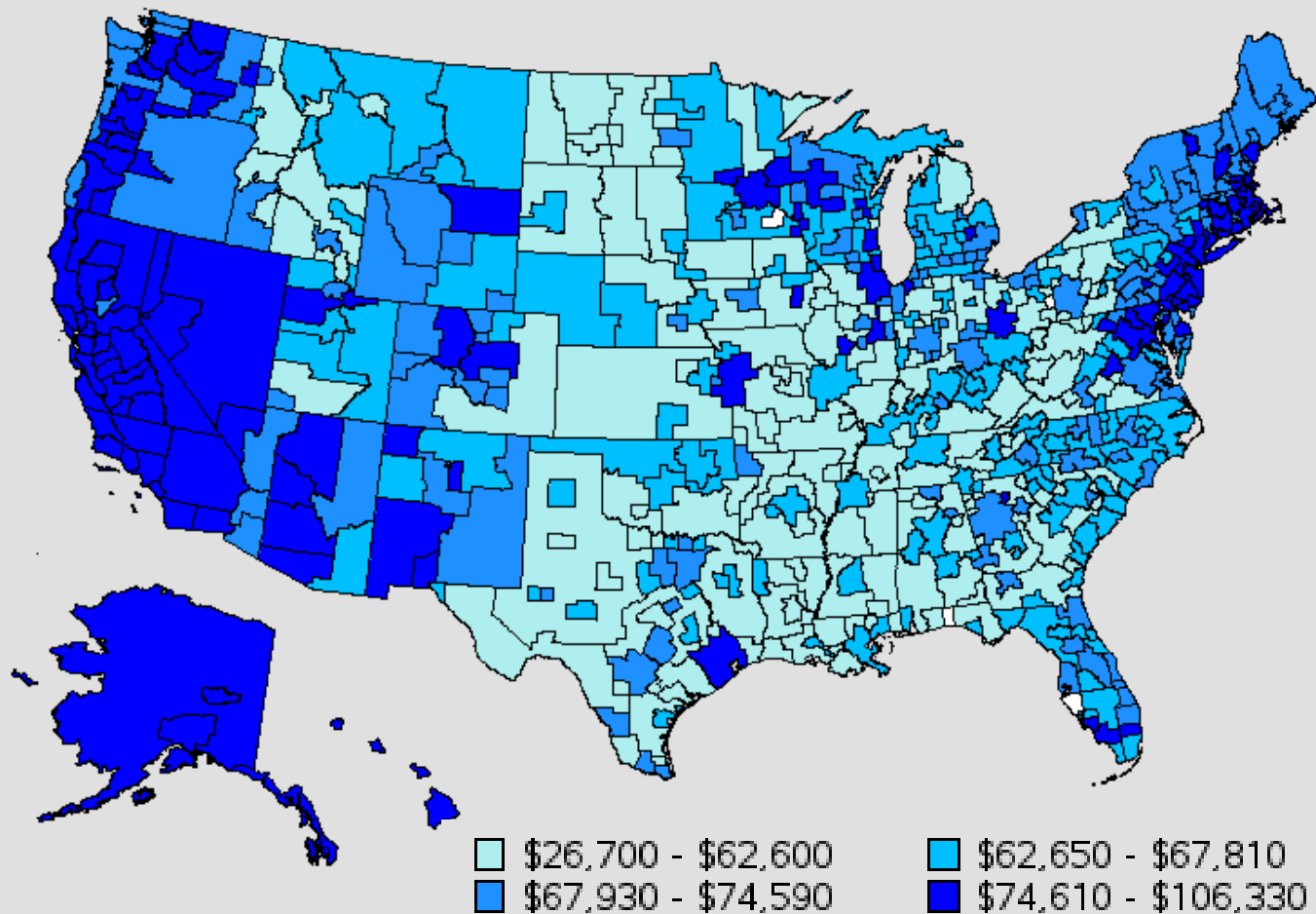


# 12-month Percent Change in California Employment



# High Wages for Healthcare Occupations on West Coast

Annual mean wage of healthcare practitioners and technical occupations, by area, May 2012

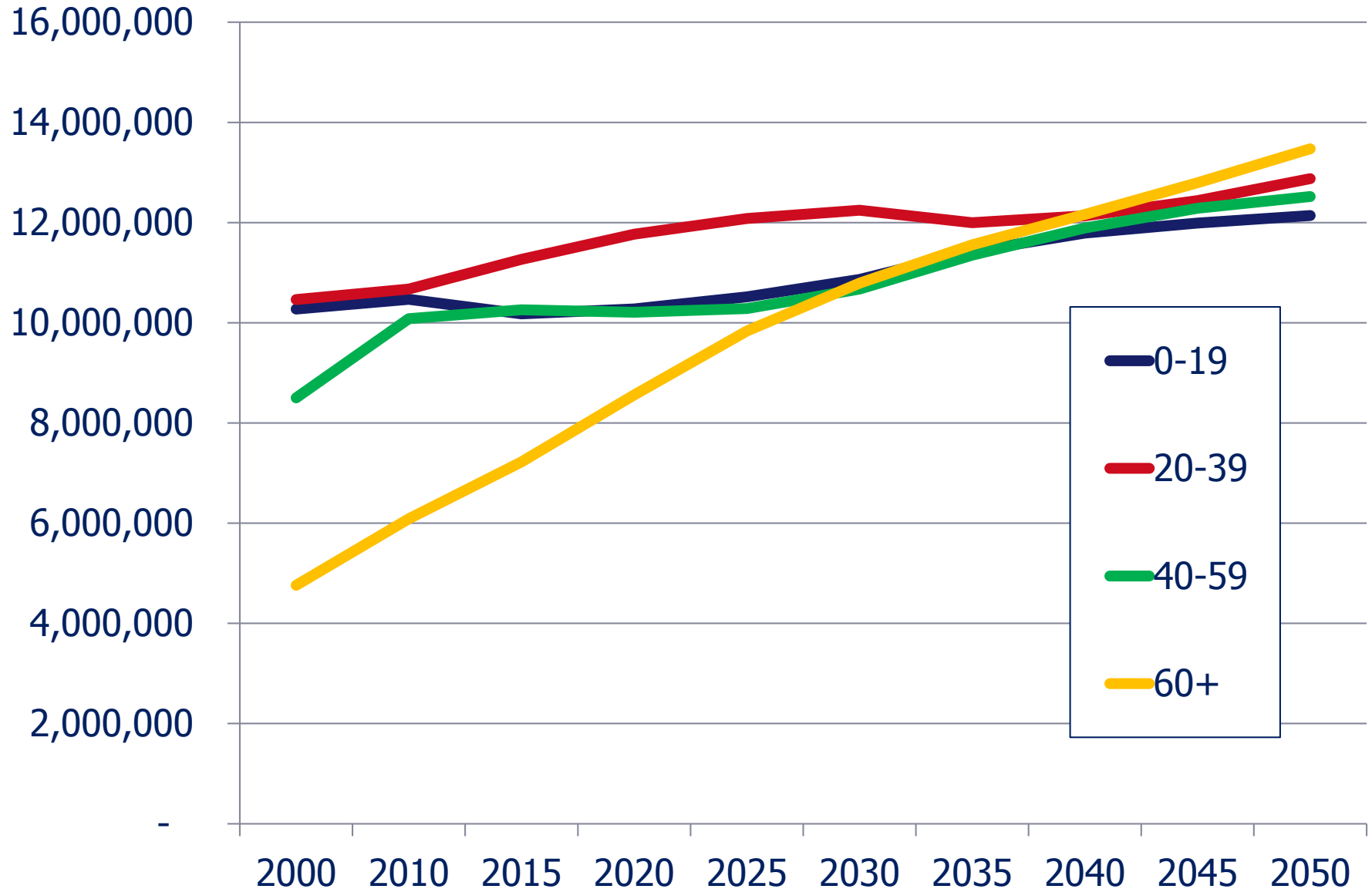


# Top Paying Metropolitan Areas for Registered Nurses Nationwide

(May 2012 - Top 10 Metropolitan Areas are All Located in California)

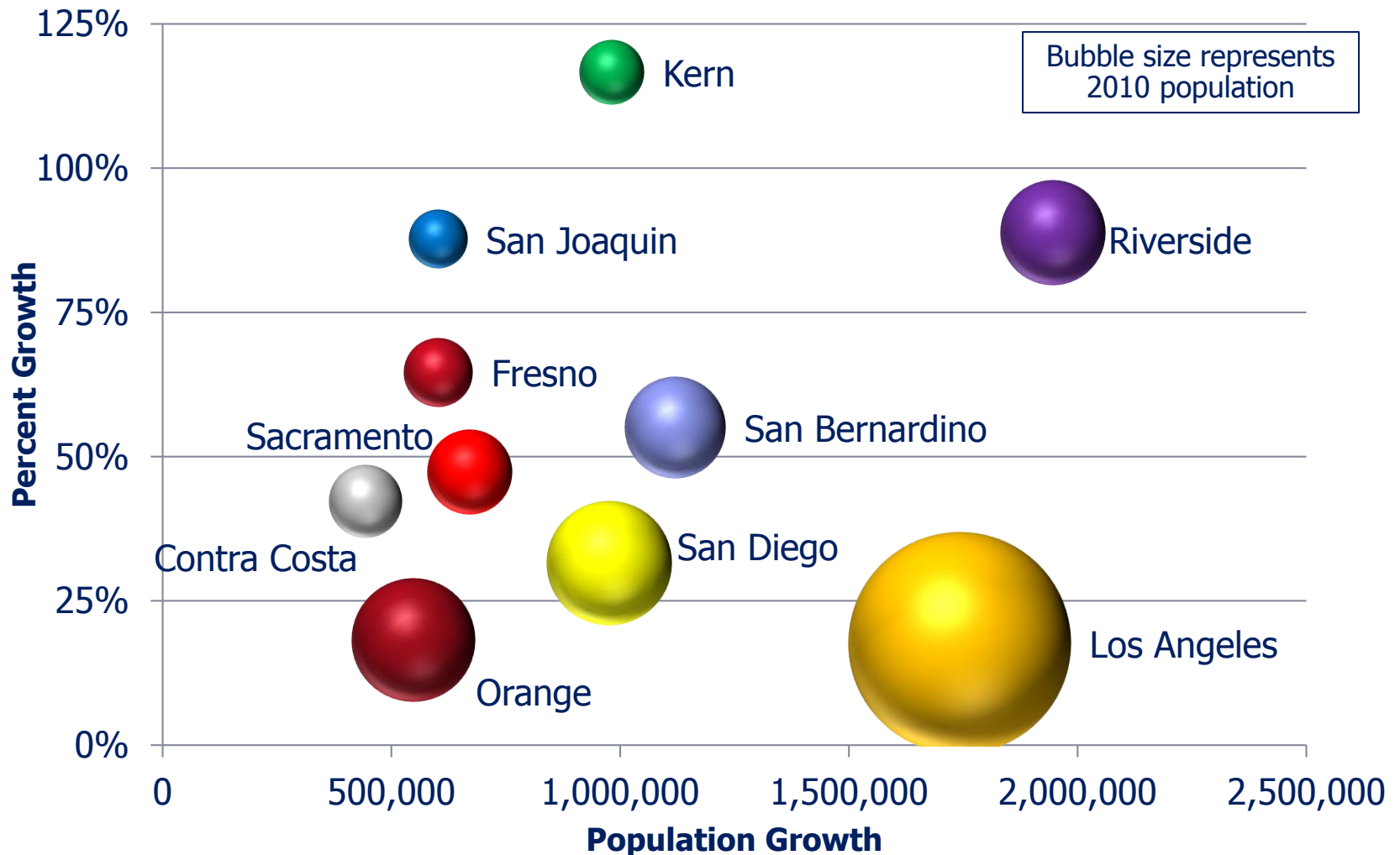
Metropolitan area	Employment	Employment per thousand jobs	Location quotient	Annual mean wage
San Jose-Sunnyvale-Santa Clara, CA	13,190	14.67	0.73	<b>\$122,990</b>
Vallejo-Fairfield, CA	3,140	26	1.29	<b>\$119,310</b>
Oakland-Fremont-Hayward, CA Metropolitan Division	18,410	18.96	0.94	<b>\$113,520</b>
San Francisco-San Mateo-Redwood City, CA Metropolitan Division	16,920	16.92	0.84	<b>\$110,630</b>
Sacramento--Arden-Arcade--Roseville, CA	15,160	18.55	0.92	<b>\$107,710</b>
Salinas, CA	2,420	15.51	0.77	<b>\$105,610</b>
Napa, CA	1,730	27.71	1.37	<b>\$104,440</b>
Santa Rosa-Petaluma, CA	3,500	20.27	1	<b>\$102,990</b>
Modesto, CA	3,720	24.33	1.2	<b>\$100,780</b>
Santa Cruz-Watsonville, CA	1,540	18.43	0.91	<b>\$98,050</b>

# California Population by Age



Source: State of California, Department of Finance, Demographic Research Unit

# Top Ten California Counties in Population Growth, 2010-2050

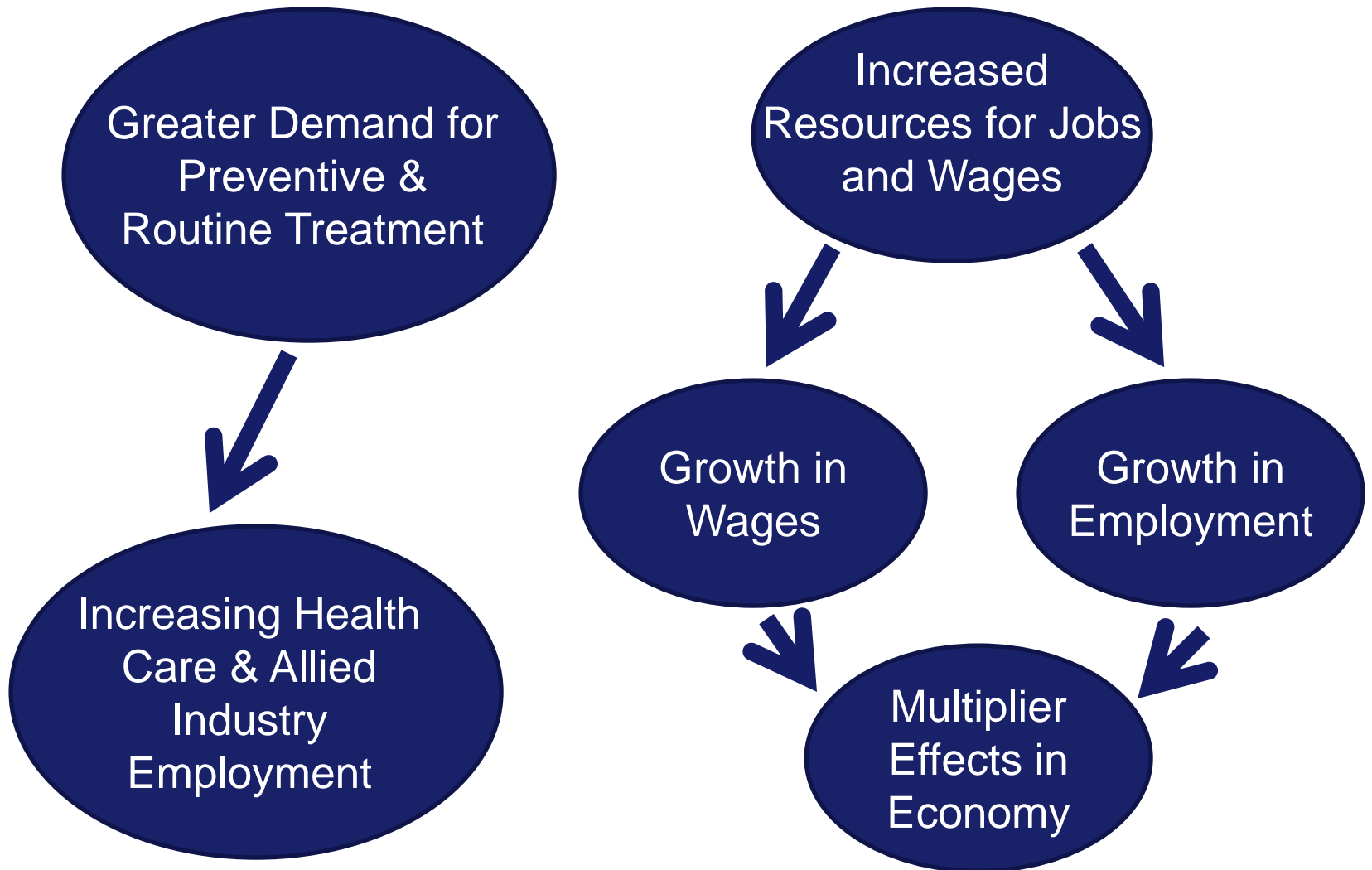


# Economic Effects of Health Care Reform





# Economic Effects of Health Care Reform – cont.



# Employment by Major Occupational Group in California

Occupational Title	Annual Average Employment		Employment Change		2012 First Quarter Wages
	2010	2020	Numerical	%	Median Annual
Food Preparation and Serving Related Occupations	1,248,500	1,572,000	323,500	25.9	\$19,451
Office and Administrative Support Occupations	2,487,000	2,789,700	302,700	12.2	\$35,914
Sales and Related Occupations	1,581,400	1,880,800	299,400	18.9	\$28,164
Personal Care and Service Occupations	730,300	933,100	202,800	27.8	\$22,808
Business and Financial Operations Occupations	821,000	983,500	162,500	19.8	\$68,837
Transportation and Material Moving Occupations	936,700	1,096,500	159,800	17.1	\$29,524
<b>Healthcare Practitioners and Technical Occupations</b>	<b>735,600</b>	<b>893,100</b>	<b>157,500</b>	<b>21.4</b>	<b>\$77,945</b>
Management Occupations	1,099,900	1,214,400	114,500	10.4	\$108,870
Construction and Extraction Occupations	607,900	721,800	113,900	18.7	\$50,489
Computer and Mathematical Occupations	468,800	576,600	107,800	23.0	\$88,960
Education, Training, and Library Occupations	983,700	1,089,600	105,900	10.8	\$53,909



Source: California Employment Development Department, 2010-2020 Occupational Projections

# Employment by Major Occupational Group in California

Occupational Title (cont.....)	Annual Average Employment		Employment Change		2012 First Quarter Wages
	2010	2020	Numerical	%	Median Annual
<b>Healthcare Support Occupations</b>	<b>388,200</b>	<b>483,600</b>	<b>95,400</b>	<b>24.6</b>	<b>\$29,066</b>
Building and Grounds Cleaning and Maintenance Occupations	556,500	647,900	91,400	16.4	\$24,350
Installation, Maintenance, and Repair Occupations	498,700	574,200	75,500	15.1	\$45,887
Arts, Design, Entertainment, Sports, and Media Occupations	407,400	461,800	54,400	13.4	\$55,770
Community and Social Service Occupations	230,300	274,300	44,000	19.1	\$47,446
Production Occupations	815,700	858,900	43,200	5.3	\$29,378
Architecture and Engineering Occupations	316,500	358,000	41,500	13.1	\$88,008
Protective Service Occupations	366,100	405,000	38,900	10.6	\$47,055
Life, Physical, and Social Science Occupations	185,600	224,200	38,600	20.8	\$70,470
Legal Occupations	137,400	152,500	15,100	11.0	\$102,580
Farming, Fishing, and Forestry Occupations	315,100	319,800	4,700	1.5	\$18,816

# Healthcare Occupations with the Largest Job Growth in California

Occupational Title	Annual Average Employment		Employment Change	
	2010	2020	Numerical	Percent
Registered Nurses	251,800	306,100	<b>54,300</b>	21.6
Home Health Aides	61,100	93,100	<b>32,000</b>	52.4
Nursing Aides, Orderlies, and Attendants	109,500	134,100	<b>24,600</b>	22.5
Medical Assistants	80,900	99,000	<b>18,100</b>	22.4
Licensed Practical and Licensed Vocational Nurses	64,500	79,000	<b>14,500</b>	22.5
Pharmacy Technicians	29,000	38,600	<b>9,600</b>	33.1
Emergency Medical Technicians and Paramedics	15,900	22,600	<b>6,700</b>	42.1
Pharmacists	23,600	29,900	<b>6,300</b>	26.7
Dental Assistants	43,700	49,000	<b>5,300</b>	12.1
Physicians and Surgeons, All Other	29,900	34,600	<b>4,700</b>	15.7

# Fastest Growing Healthcare Occupations in California

Occupational Title	Annual Average Employment		Employment Change	
	2010	2020	Numerical	Percent
Home Health Aides	61,100	93,100	32,000	<b>52.4</b>
Emergency Medical Technicians and Paramedics	15,900	22,600	6,700	<b>42.1</b>
Diagnostic Medical Sonographers	5,300	7,300	2,000	<b>37.7</b>
Occupational Therapy Assistants	2,000	2,700	700	<b>35.0</b>
Pharmacy Technicians	29,000	38,600	9,600	<b>33.1</b>
Pharmacy Aides	8,100	10,700	2,600	<b>32.1</b>
Veterinary Technologists and Technicians	8,400	11,000	2,600	<b>31.0</b>
Physical Therapist Assistants	4,600	6,000	1,400	<b>30.4</b>
Athletic Trainers	1,000	1,300	300	<b>30.0</b>
Physical Therapist Aides	6,400	8,300	1,900	<b>29.7</b>

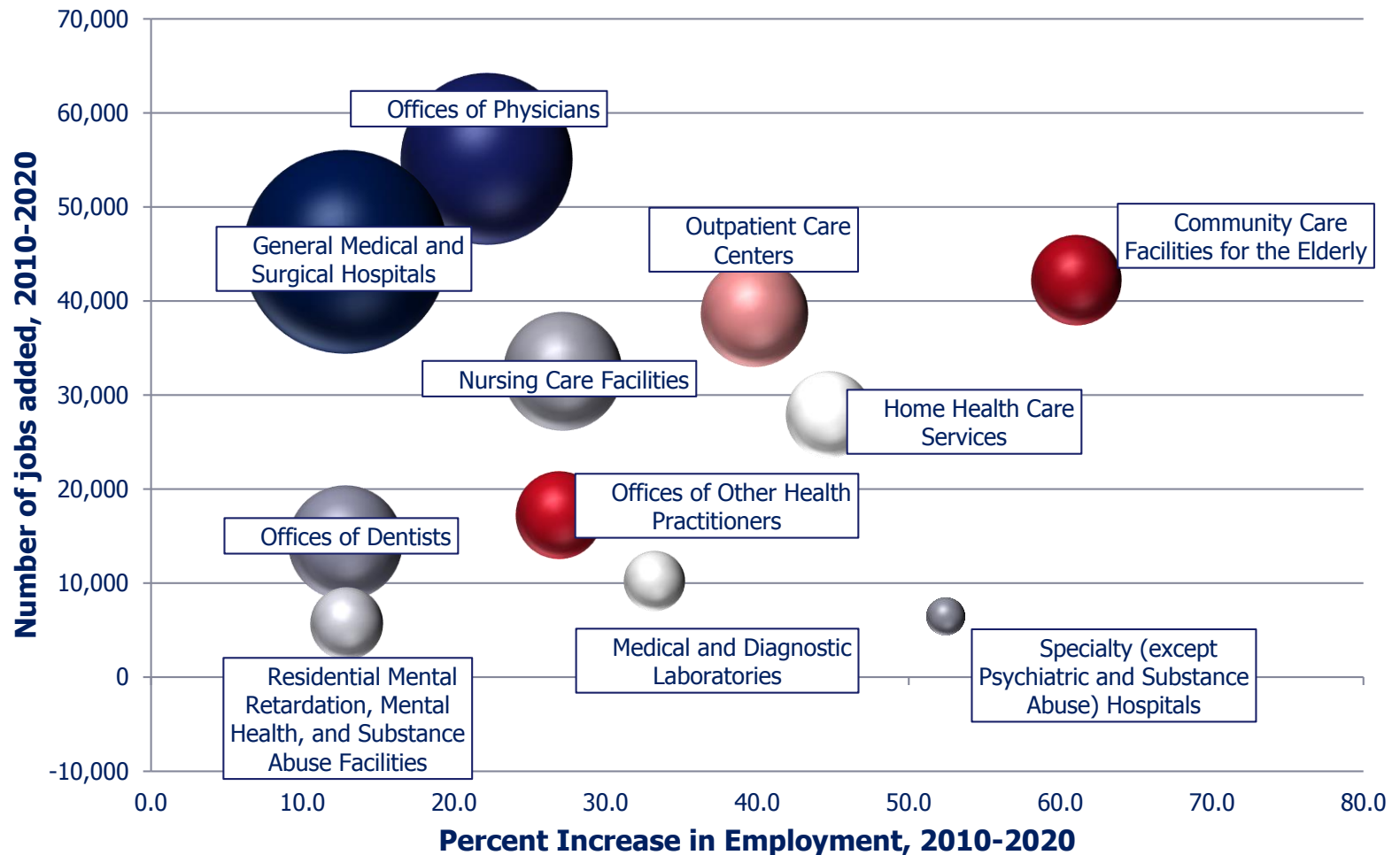


Source: California Employment Development Department, 2010-2020 Occupational Projections

# Average Annual Job Openings (Growth + Replacement Needs) California Healthcare Occupations

Occupational Title	Average Annual Job Openings		
	New Jobs	Replacement Needs	Total Jobs
Registered Nurses	5,420	4,560	<b>9,980</b>
Home Health Aides	3,200	790	<b>3,990</b>
Nursing Aides, Orderlies, and Attendants	2,470	1,410	<b>3,880</b>
Licensed Practical and Licensed Vocational Nurses	1,450	1,720	<b>3,170</b>
Medical Assistants	1,810	1,240	<b>3,050</b>
Pharmacy Technicians	960	500	<b>1,460</b>
Dental Assistants	530	920	<b>1,450</b>
Pharmacists	630	600	<b>1,230</b>
Physicians and Surgeons, All Other	470	590	<b>1,060</b>
Emergency Medical Technicians and Paramedics	670	320	<b>990</b>

# California Healthcare Projections by Industry



# About BLS data...

---

- How we collect the data
- How can we improve
- How we can help you



# **BLS San Francisco Regional Office Economic Analysis & Information**

---

**415-625-2270**  
**[www.bls.gov](http://www.bls.gov)**



**[www.bls.gov](http://www.bls.gov)**