

Employment Outlook: 2010-20

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Overview

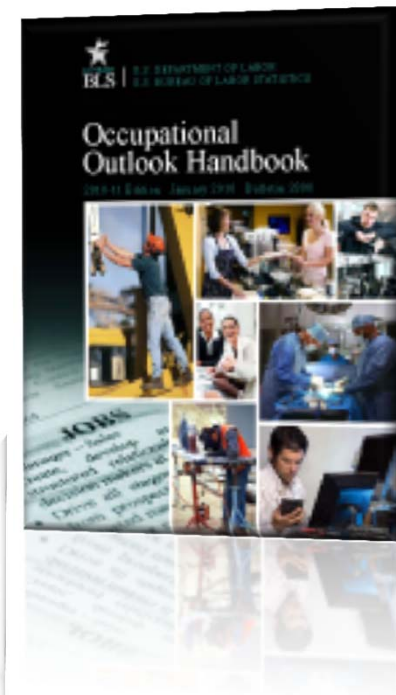
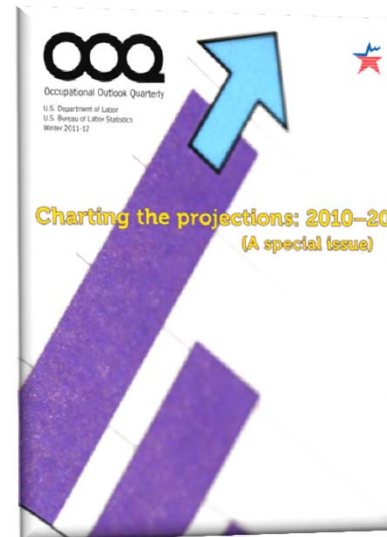
- Background information
- Population and labor force
- Economic and Industry growth
- Occupational growth

Employment Projections Background

- 10-year projections made every 2 years
- 2010-20 projections cover over 700 occupations and 300 industries
- Projections are used to produce the *Occupational Outlook Handbook*—which has been published since 1949

Employment Projections Products

- *Occupational Outlook Handbook*
- *Occupational Outlook Quarterly*
- Long-term employment projections by industry and occupation
- Technical materials—replacement rates, education and training categories, and more

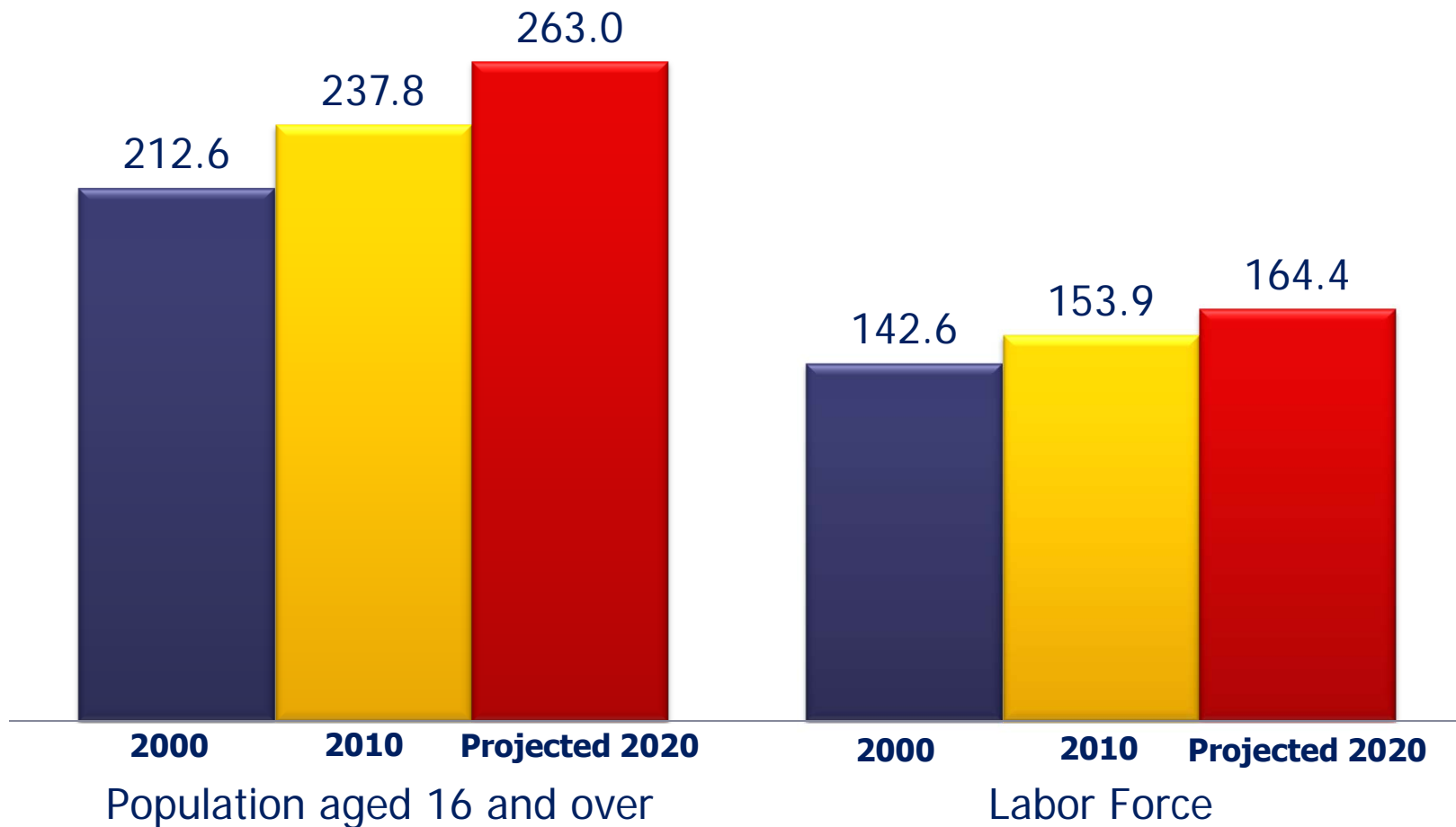


Employment Outlook: 2010-20

Population and
Labor Force
Growth

Population and Labor Force

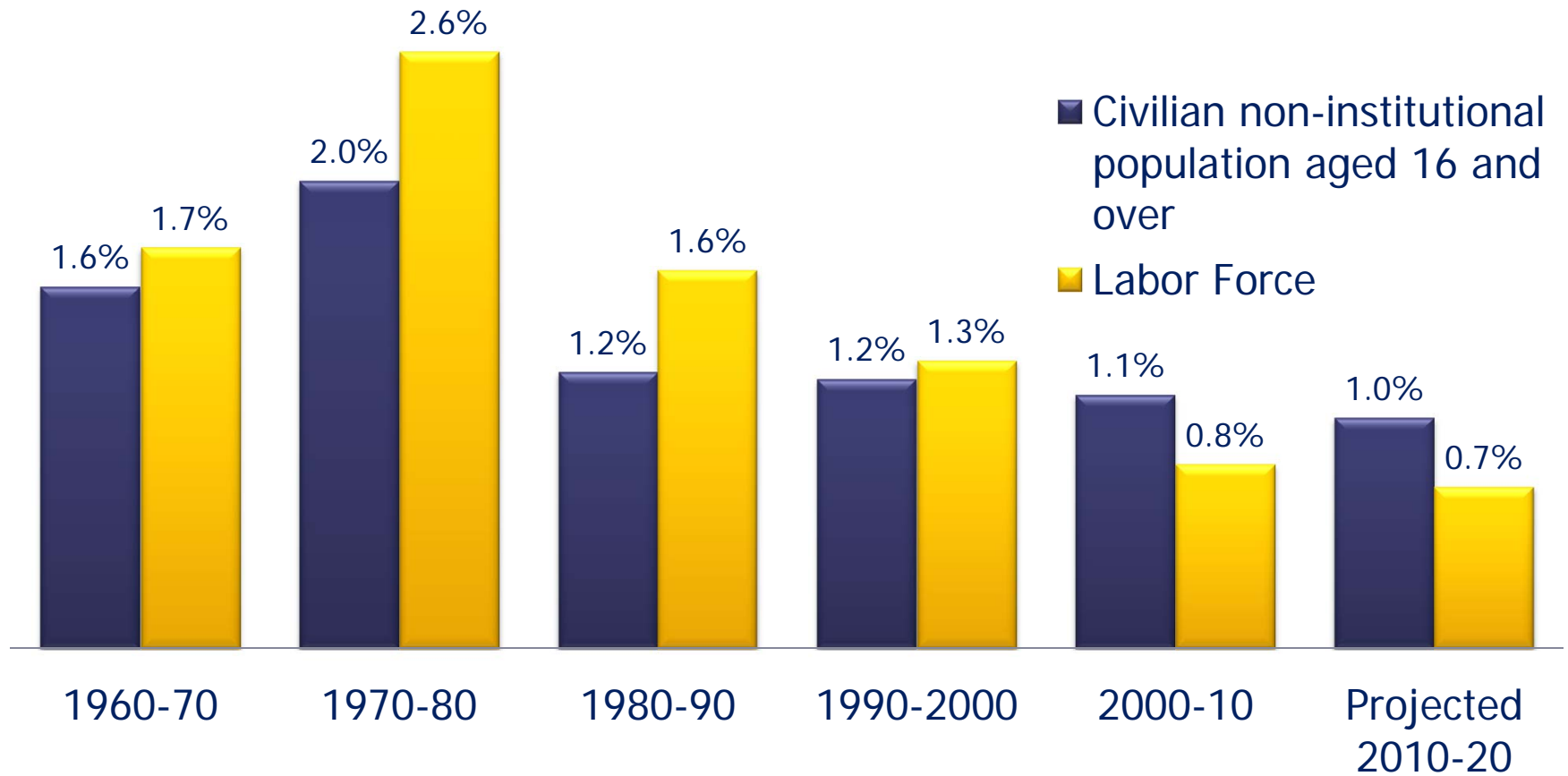
Millions of persons



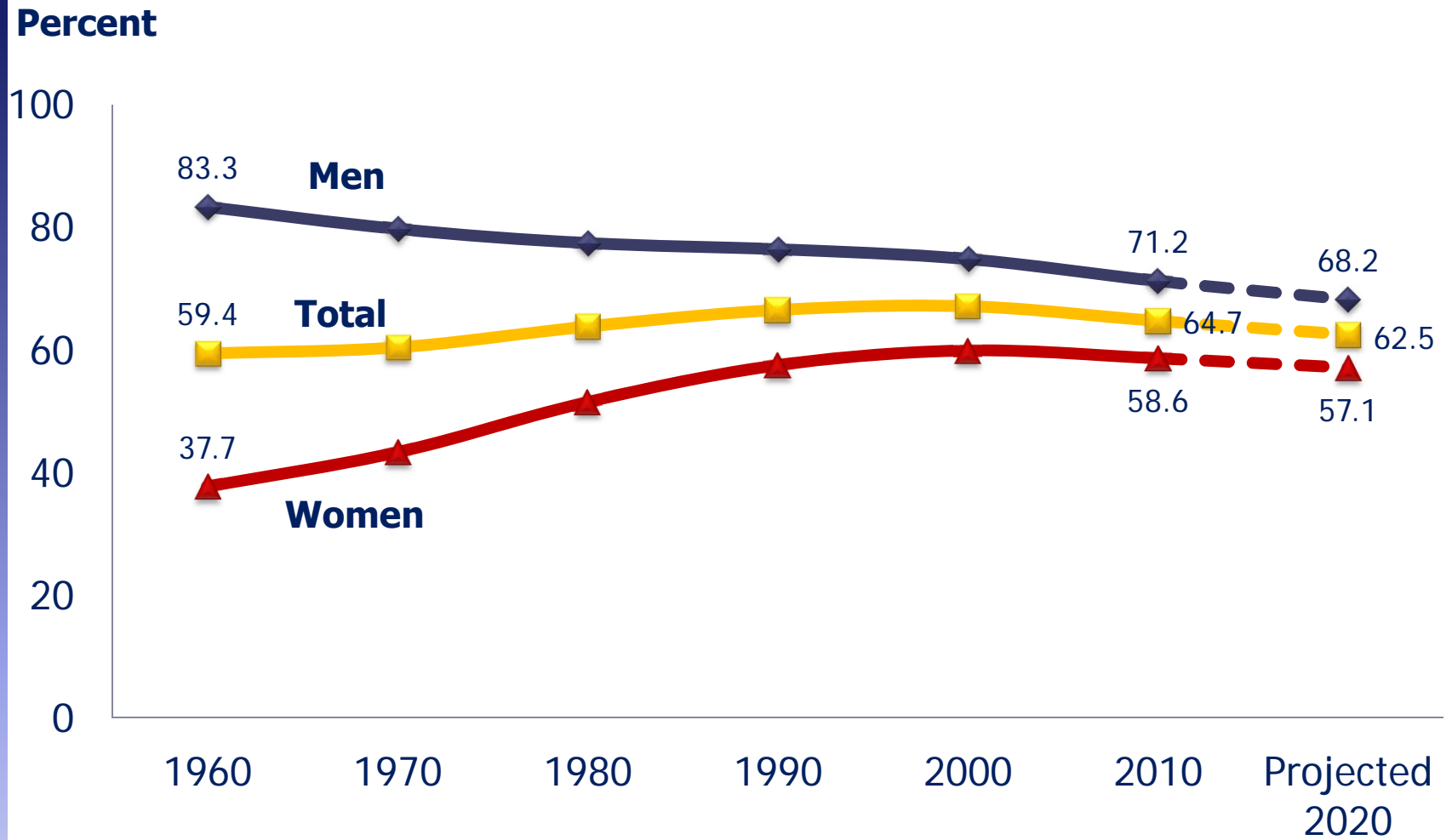
Population Data Source: U.S. Census Bureau

Population Growth Rate

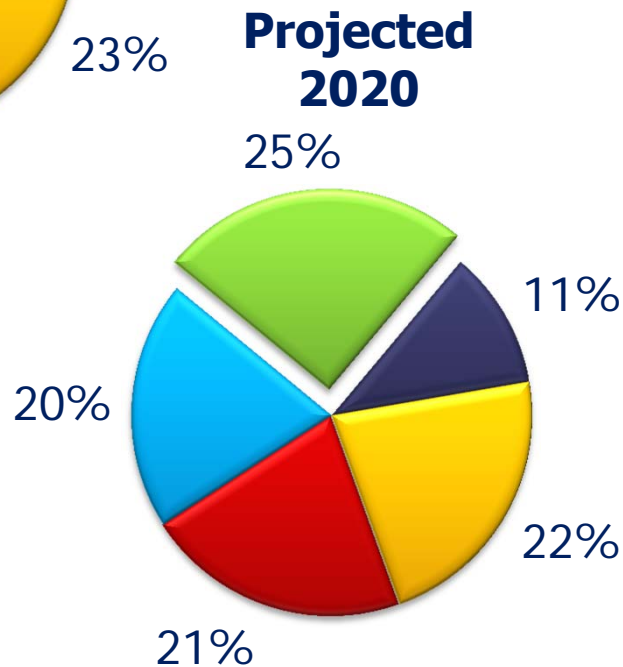
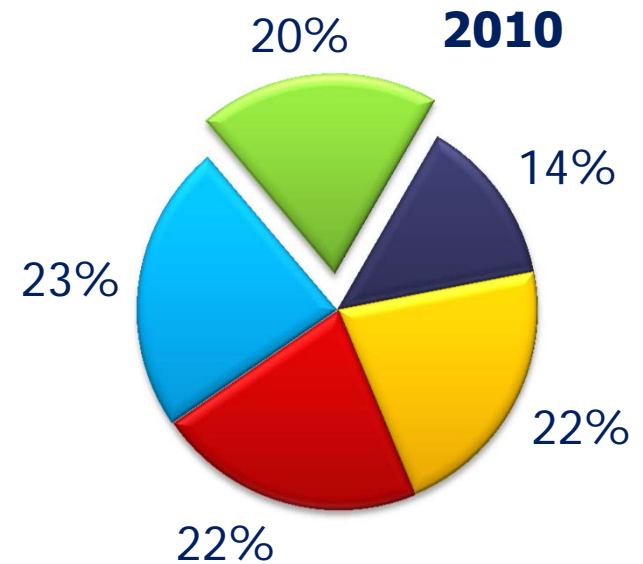
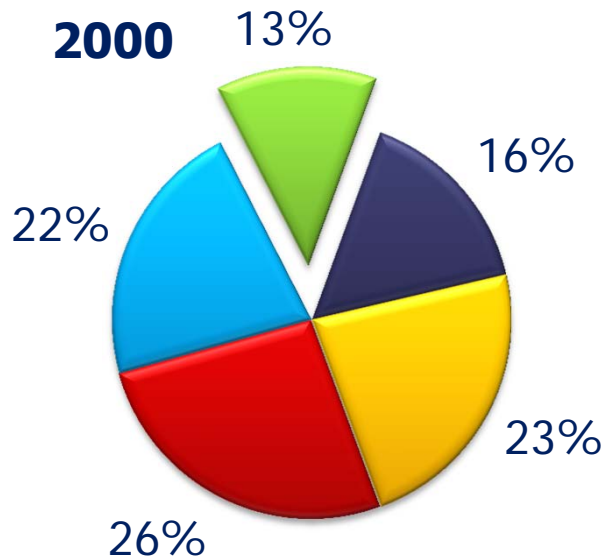
Annual rates of change



Labor Force Participation Rates

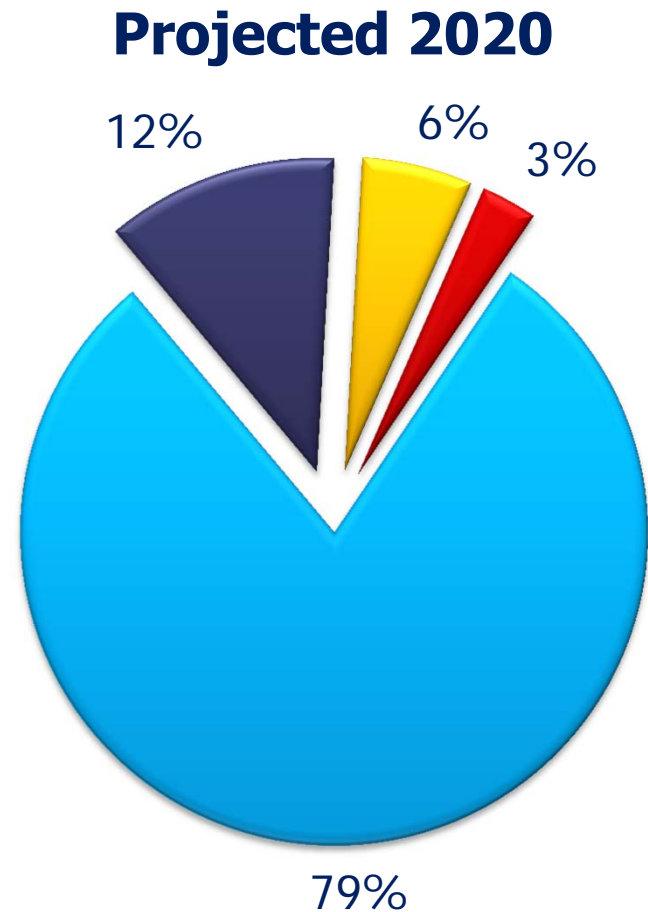
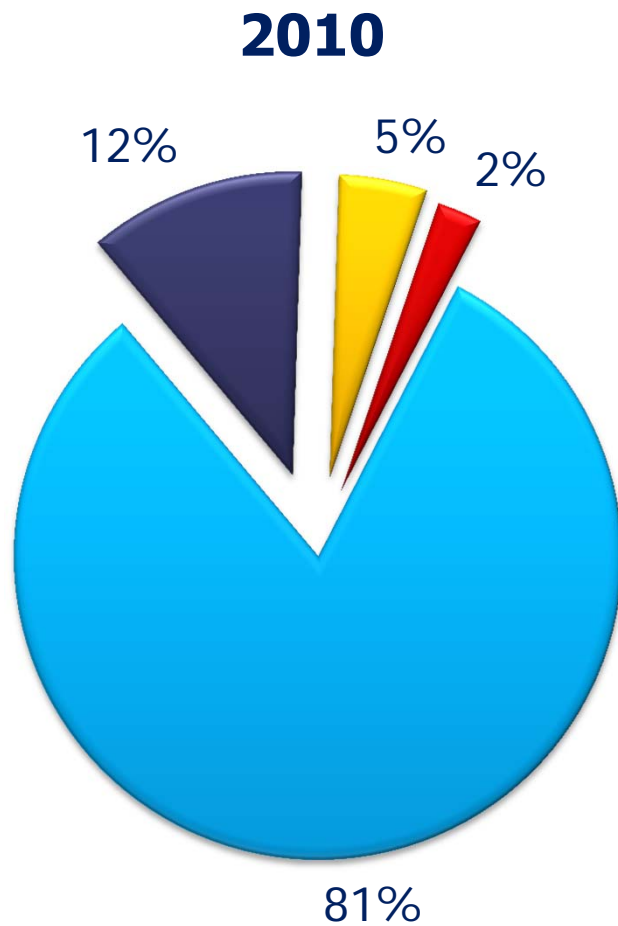


Labor Force Share by Age Group



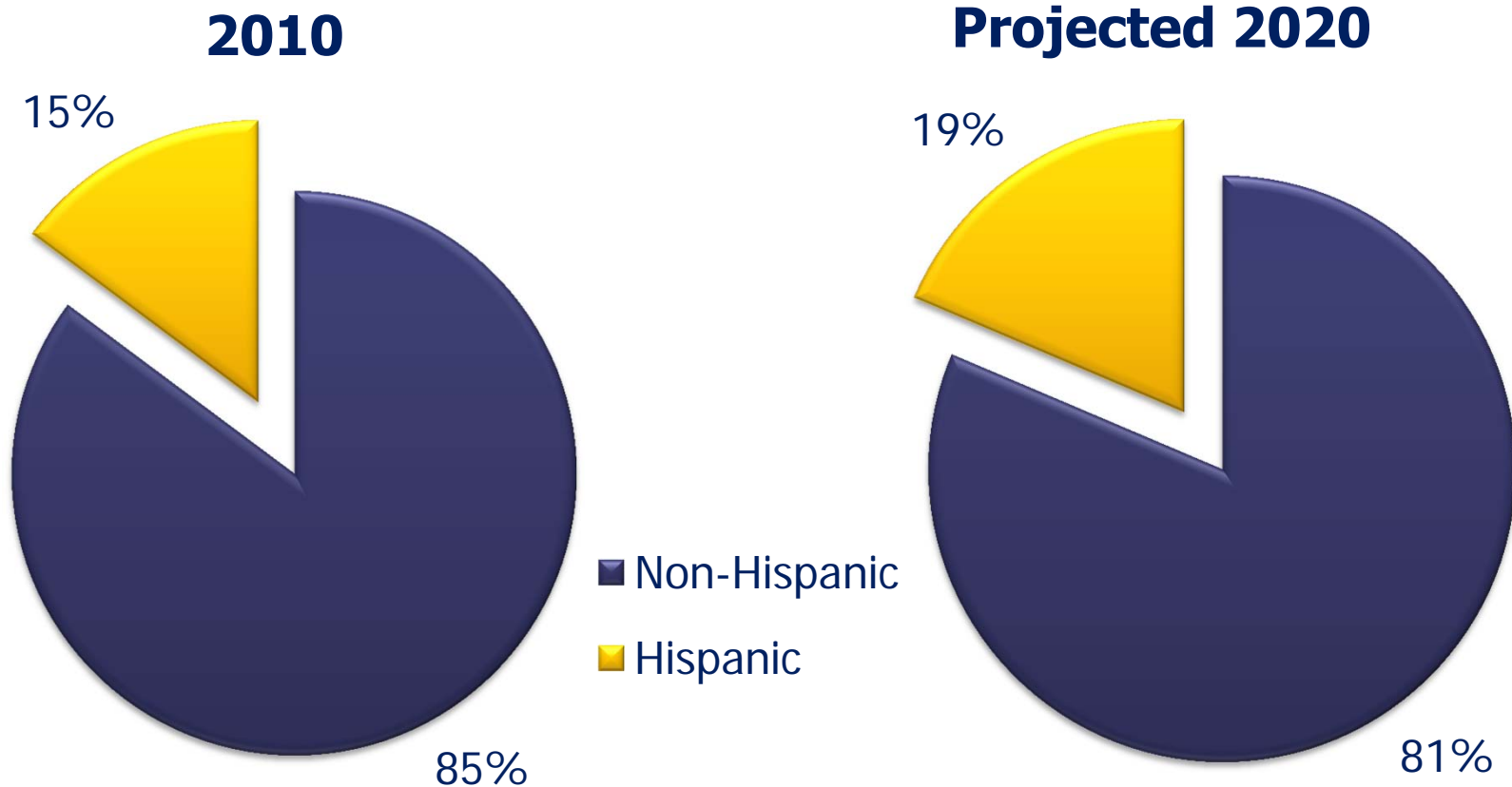
- 16 to 24
- 25 to 34
- 35 to 44
- 45 to 54
- 55 and older

Labor Force Share by Race



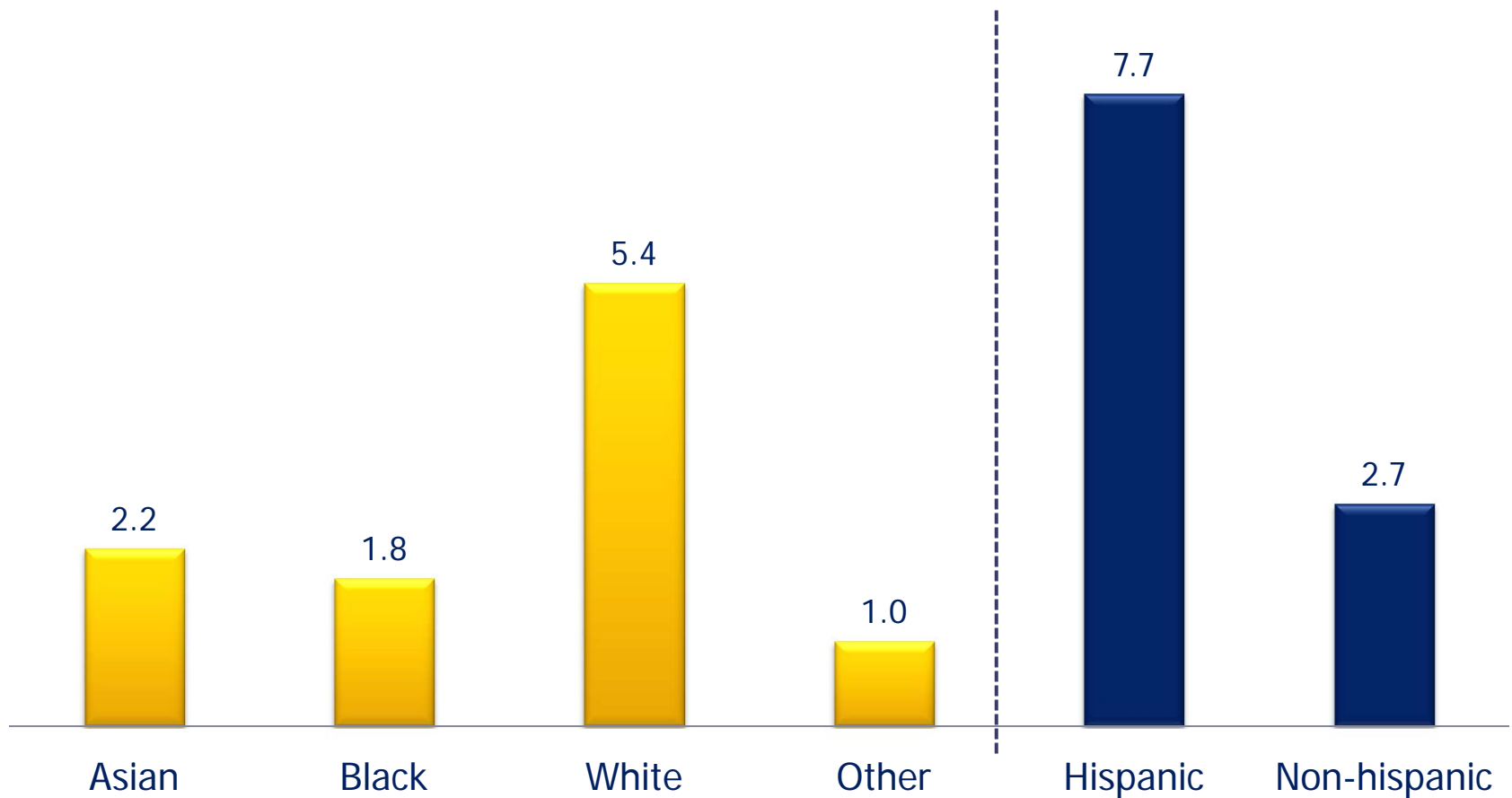
- Black
- Asian
- All other
- White

Labor Force Share by Ethnicity



Labor Force Growth by Race and Ethnicity

Change in millions, projected 2010-20

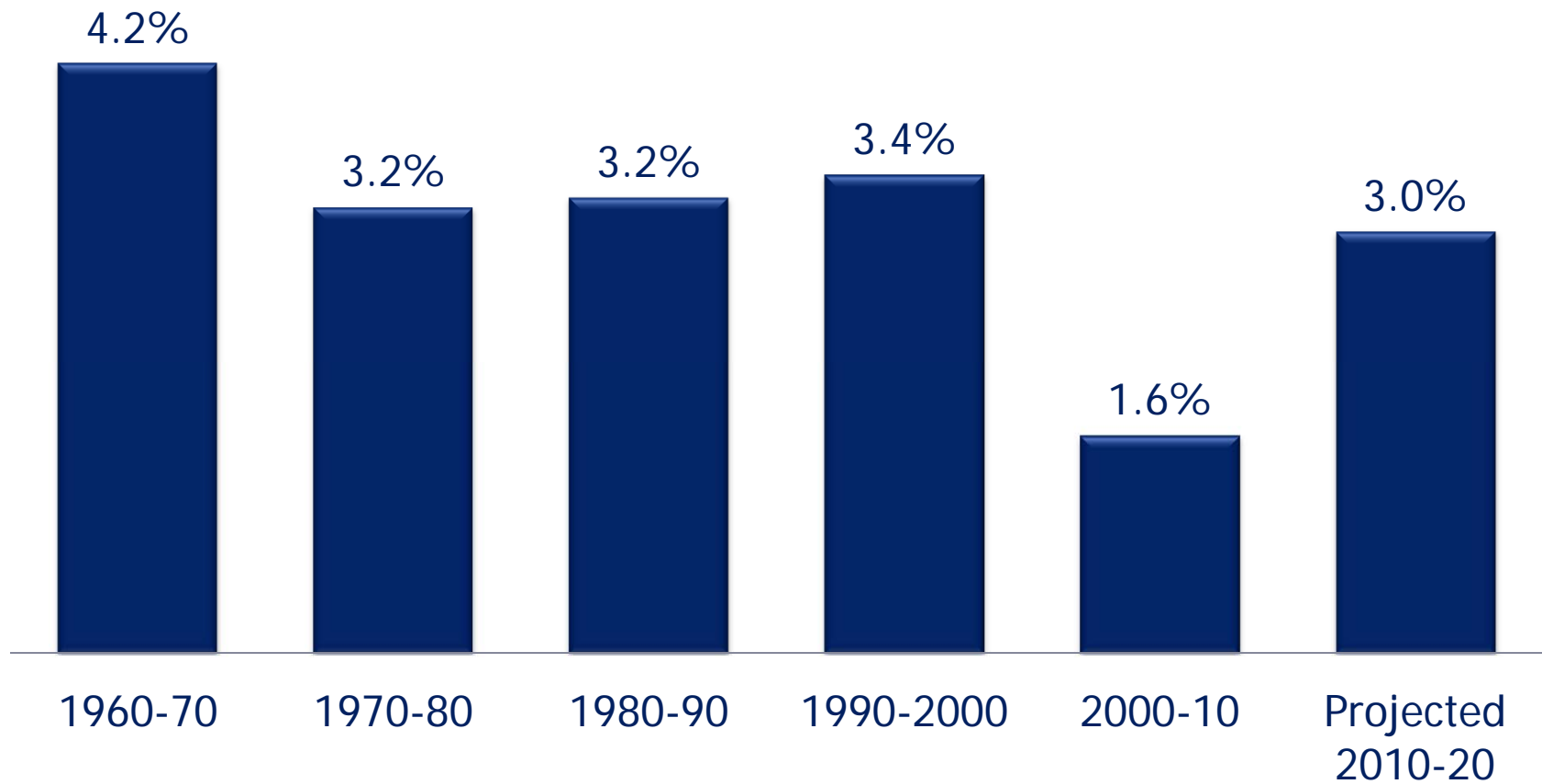


Employment Outlook: 2010-20

Economic and Industry Growth

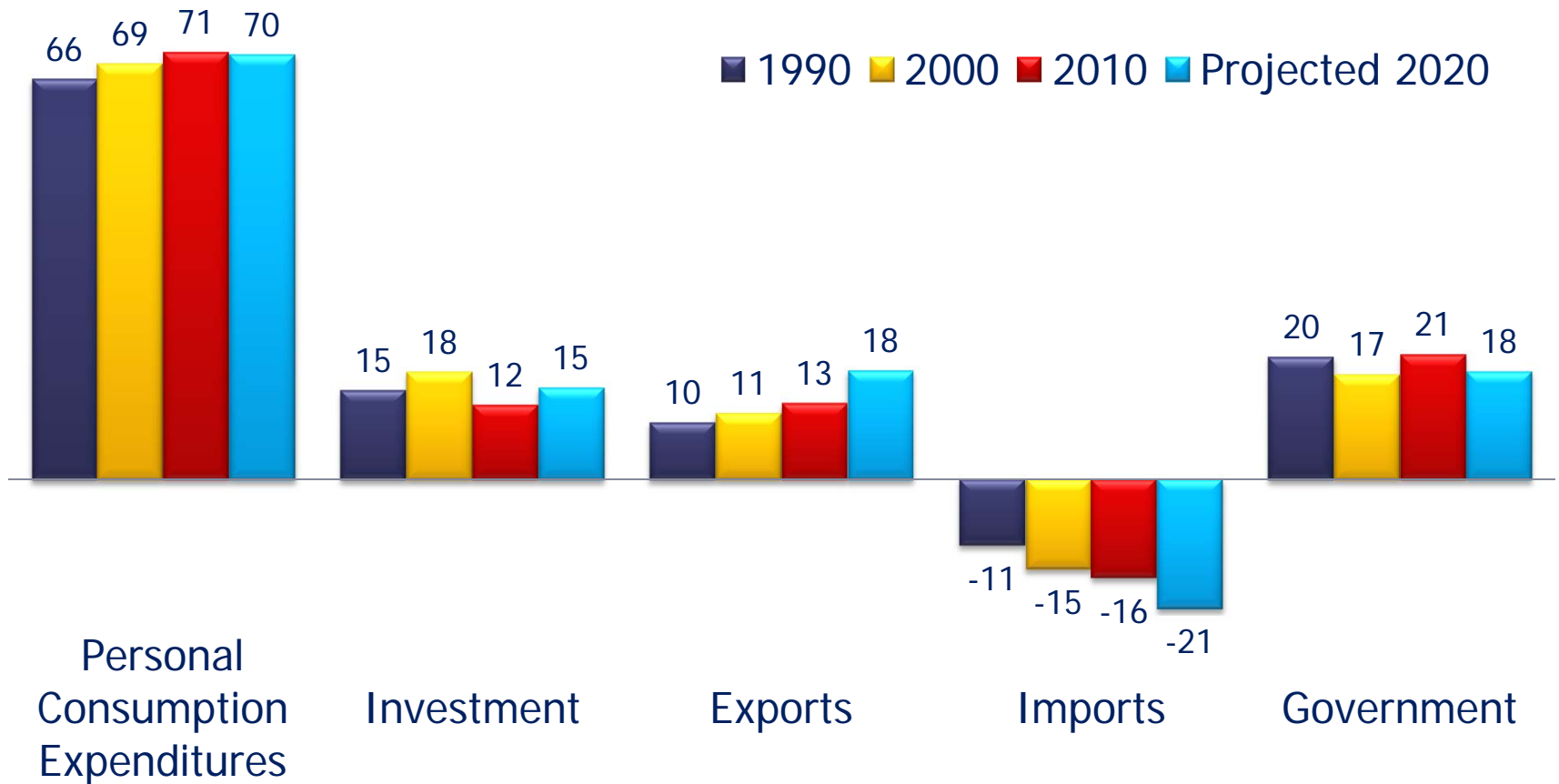
Real Gross Domestic Product Growth

Annual rate of change



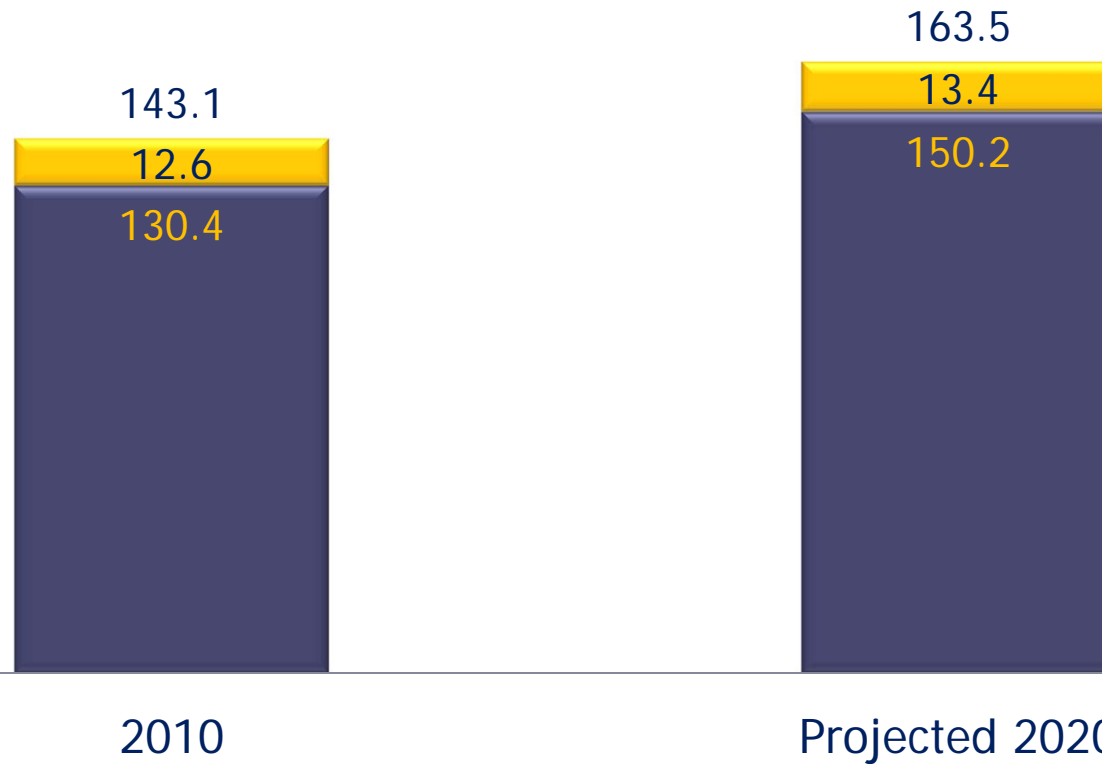
Nominal GDP by Component

Percent of GDP



Employment

- All other employment
- Nonagricultural wage and salary employment



Total Nonfarm Payroll Employment

In millions

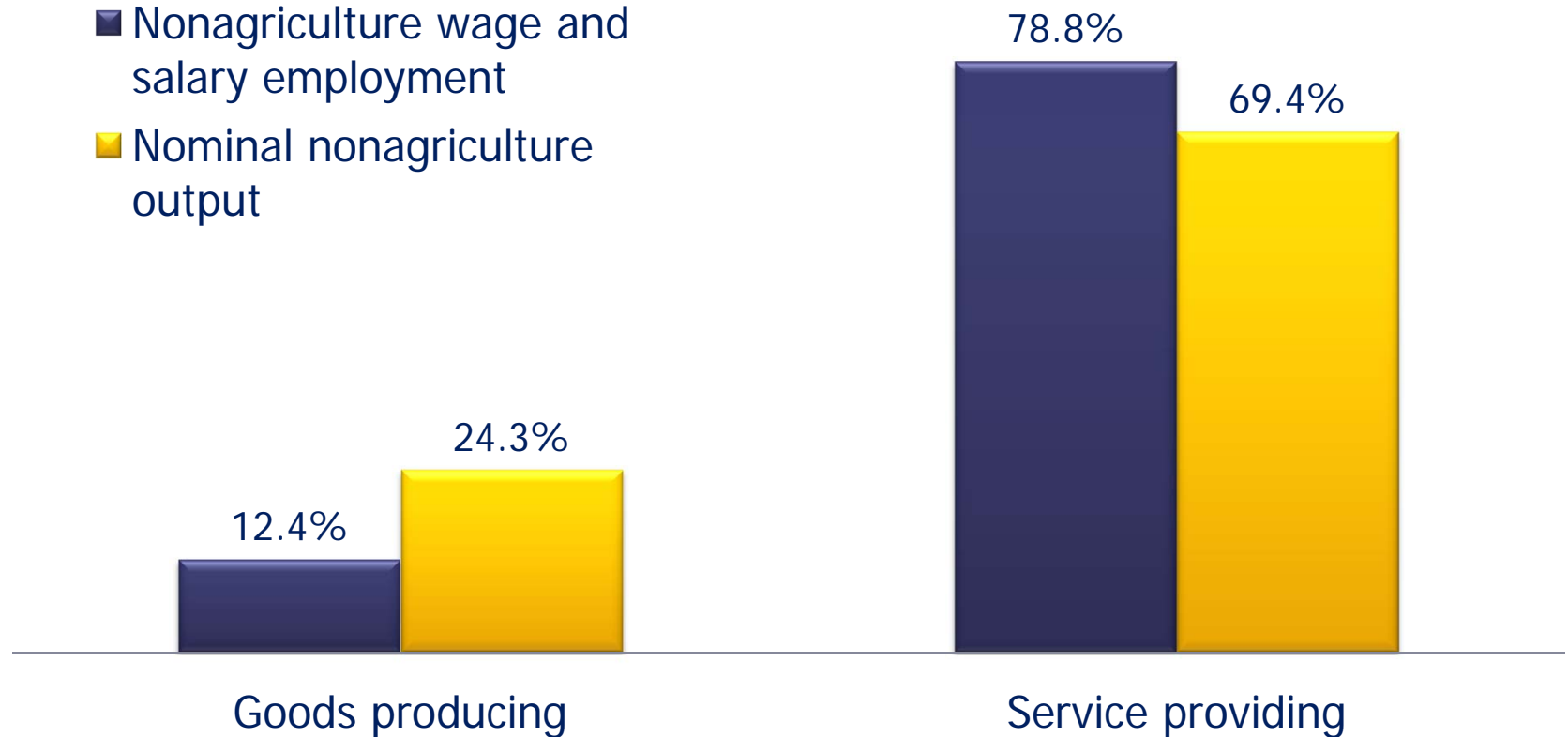


NOTE: BLS does not project specific data for years to 2020. The interim years between 2010 and the 2020 projection point are expressed by a straight dashed line only.

Employment and Output: 2010

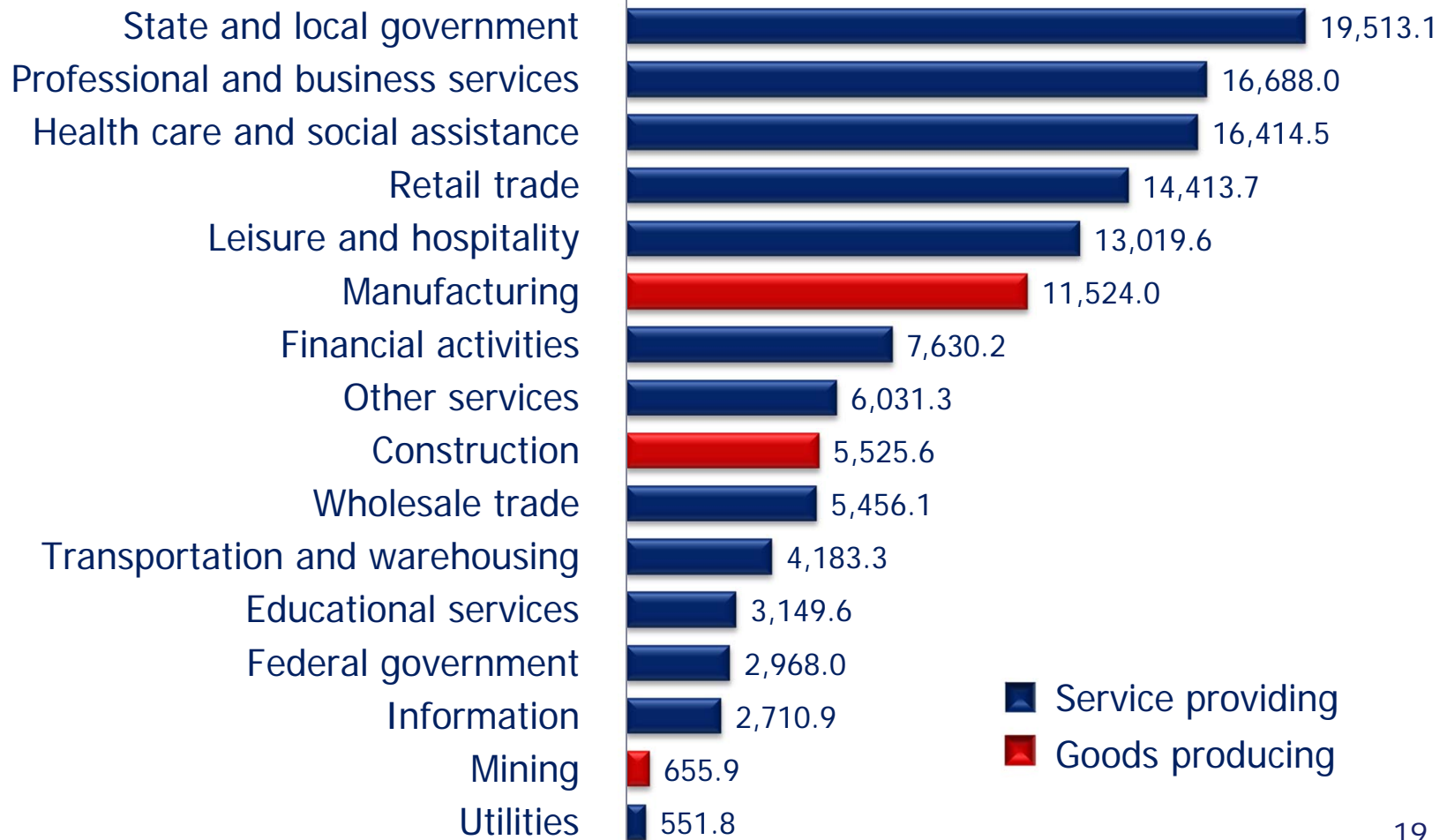
Percent distribution

- Nonagriculture wage and salary employment
- Nominal nonagriculture output



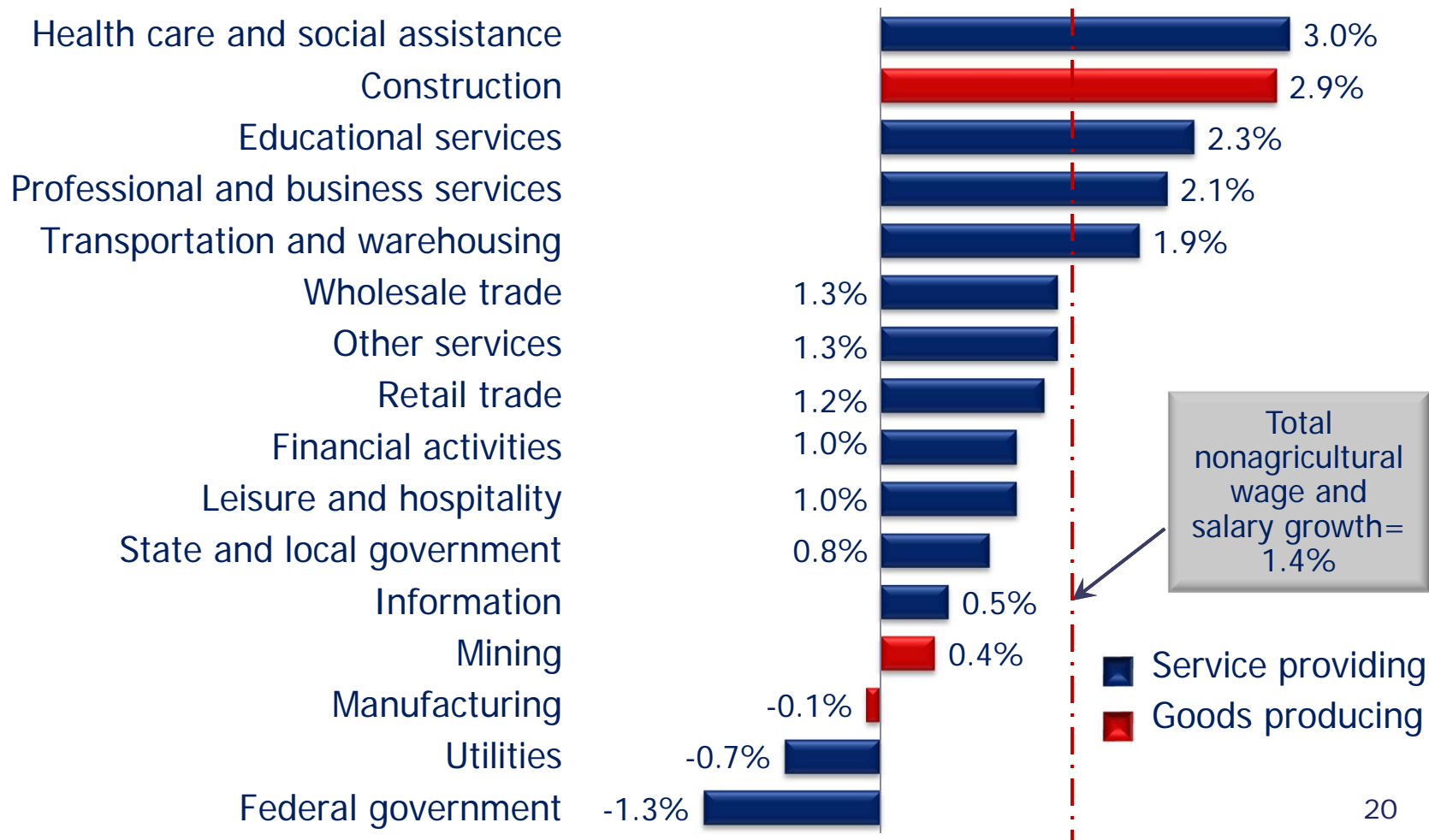
Employment by Industry Sector: 2010

Thousands of wage and salary jobs



Percent Change in Employment by Industry Sector: Projected 2010-20

Annual rate of change for wage and salary employment



Employment Change by Industry Sector: Projected 2010-20

Thousands of wage and salary jobs



Employment Outlook: 2010-20

Occupational Growth

Percent Change vs. Numeric Change

Percent employment growth in two occupations, projected 2010-20



Numeric employment growth in two occupations, projected 2010-20, in thousands

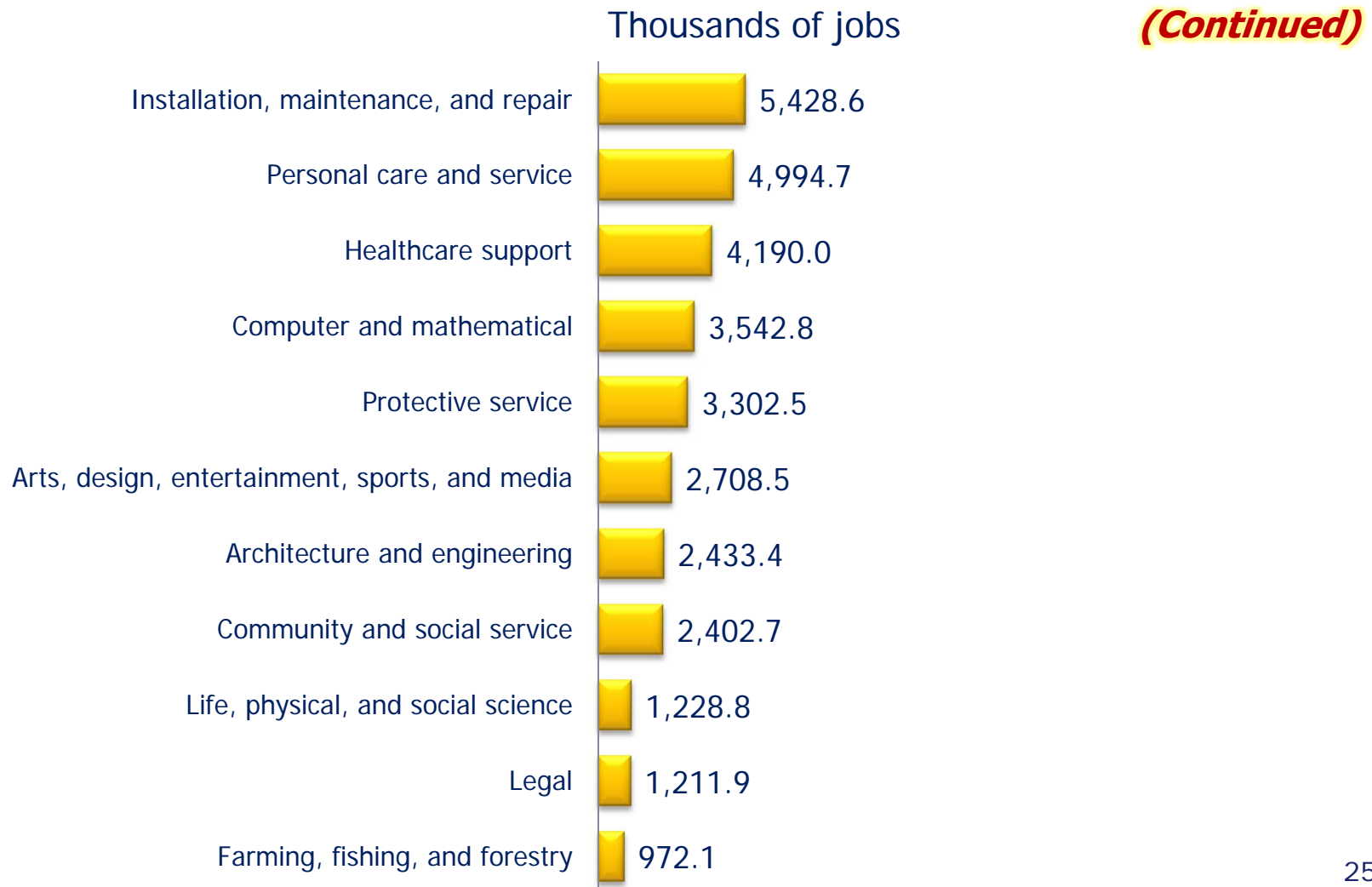


Employment by Major Occupational Group: 2010



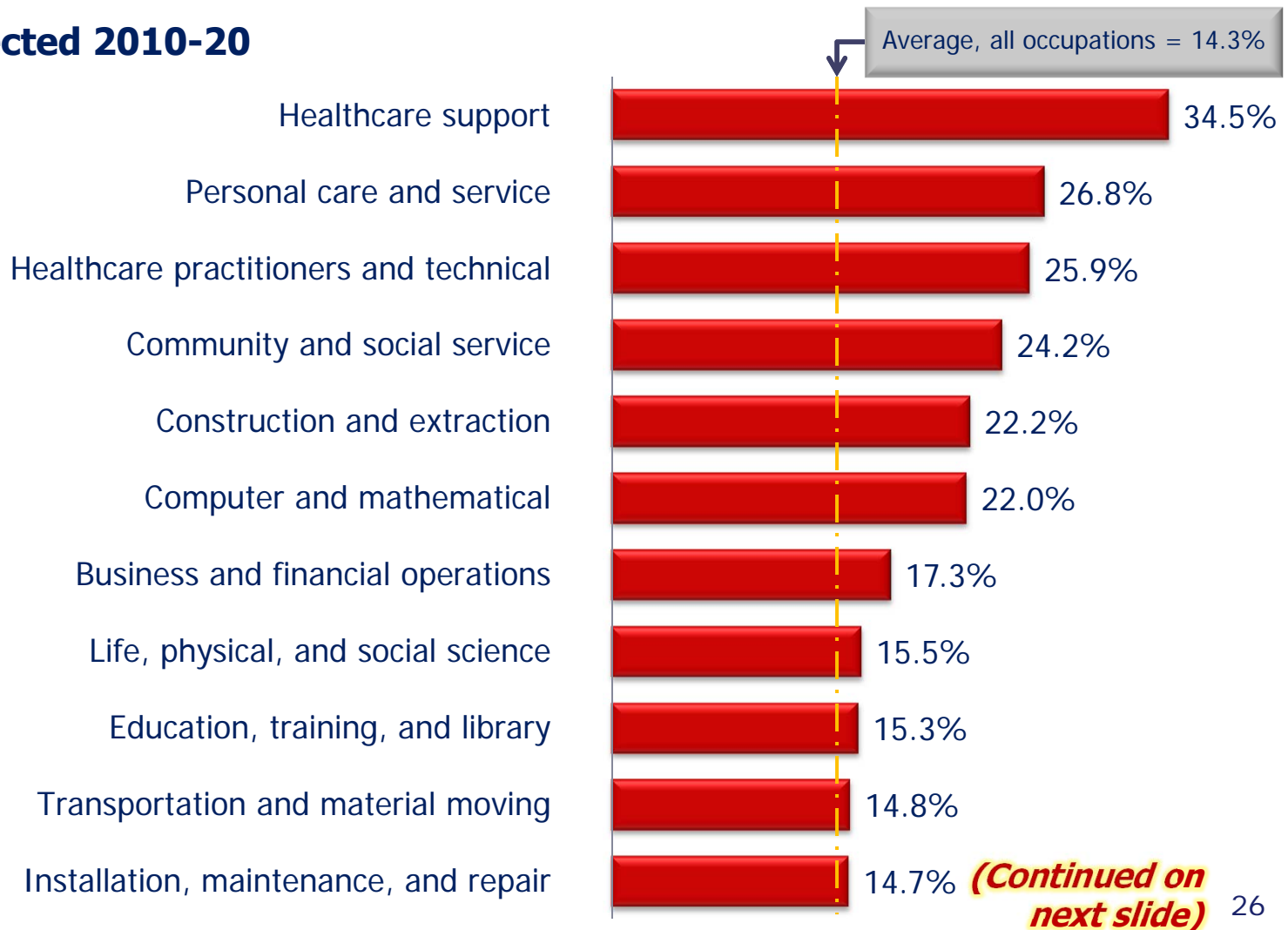
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Employment by Major Occupational Group: 2010



Percent Change in Employment by Major Occupational Group

Projected 2010-20



Percent Change in Employment by Major Occupational Group

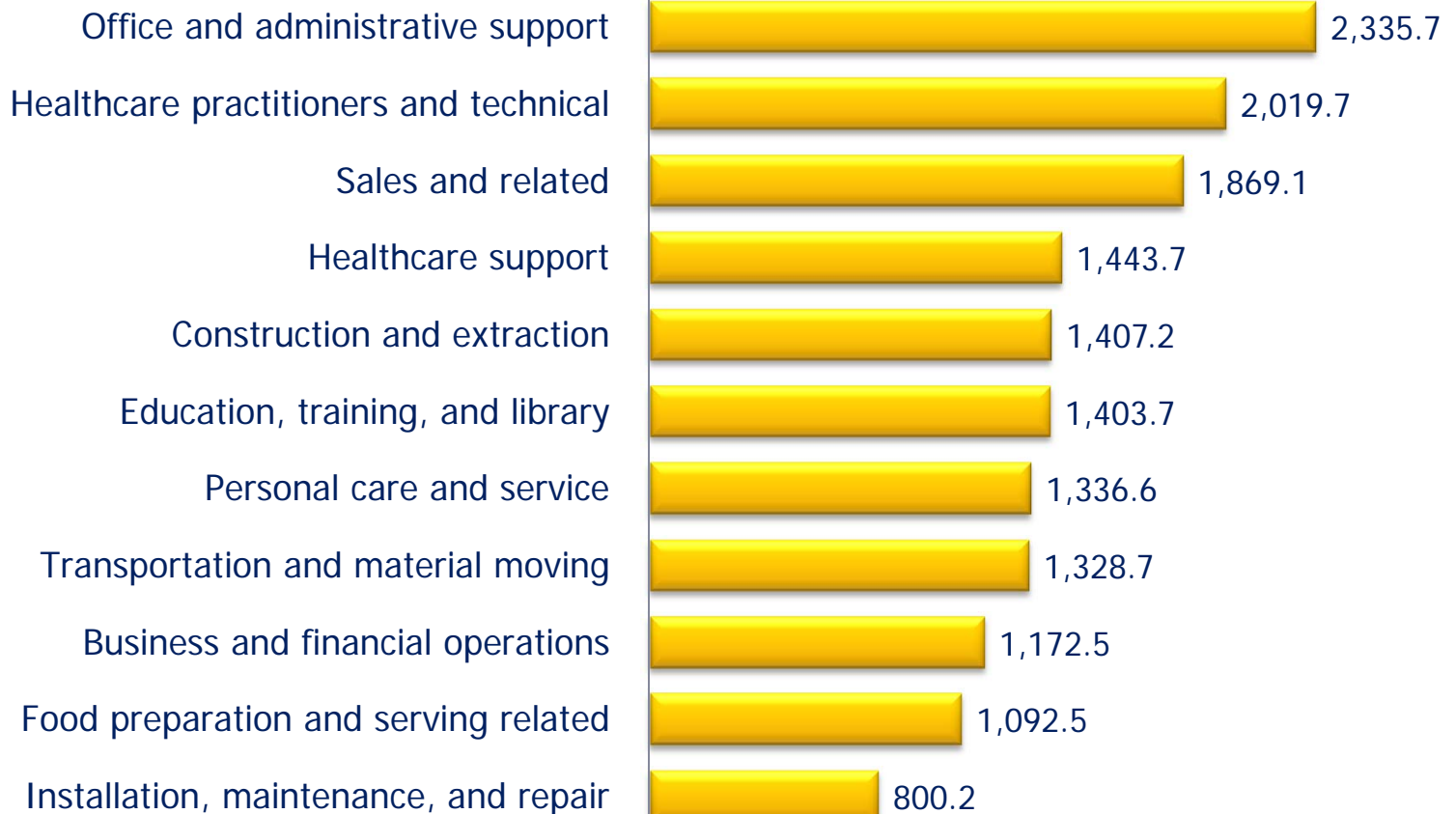
Projected 2010-20

(Continued)



Employment Change by Major Occupational Group

Thousands of jobs, projected 2010-20



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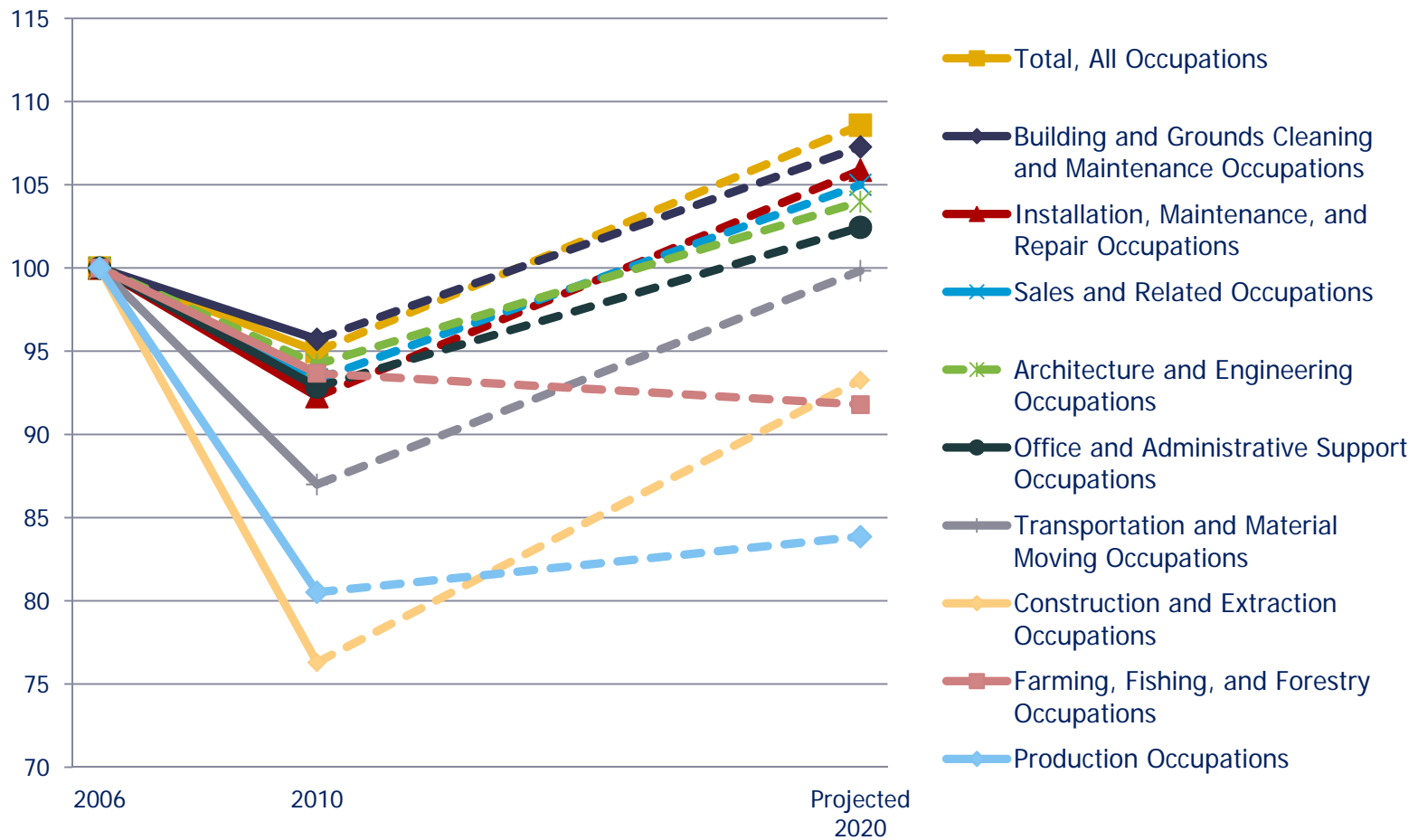
Employment Change by Major Occupational Group

Thousands of jobs, projected 2010-20 *(Continued)*



Employment Trends for Occupational Groups whose Employment Declined 2006-10

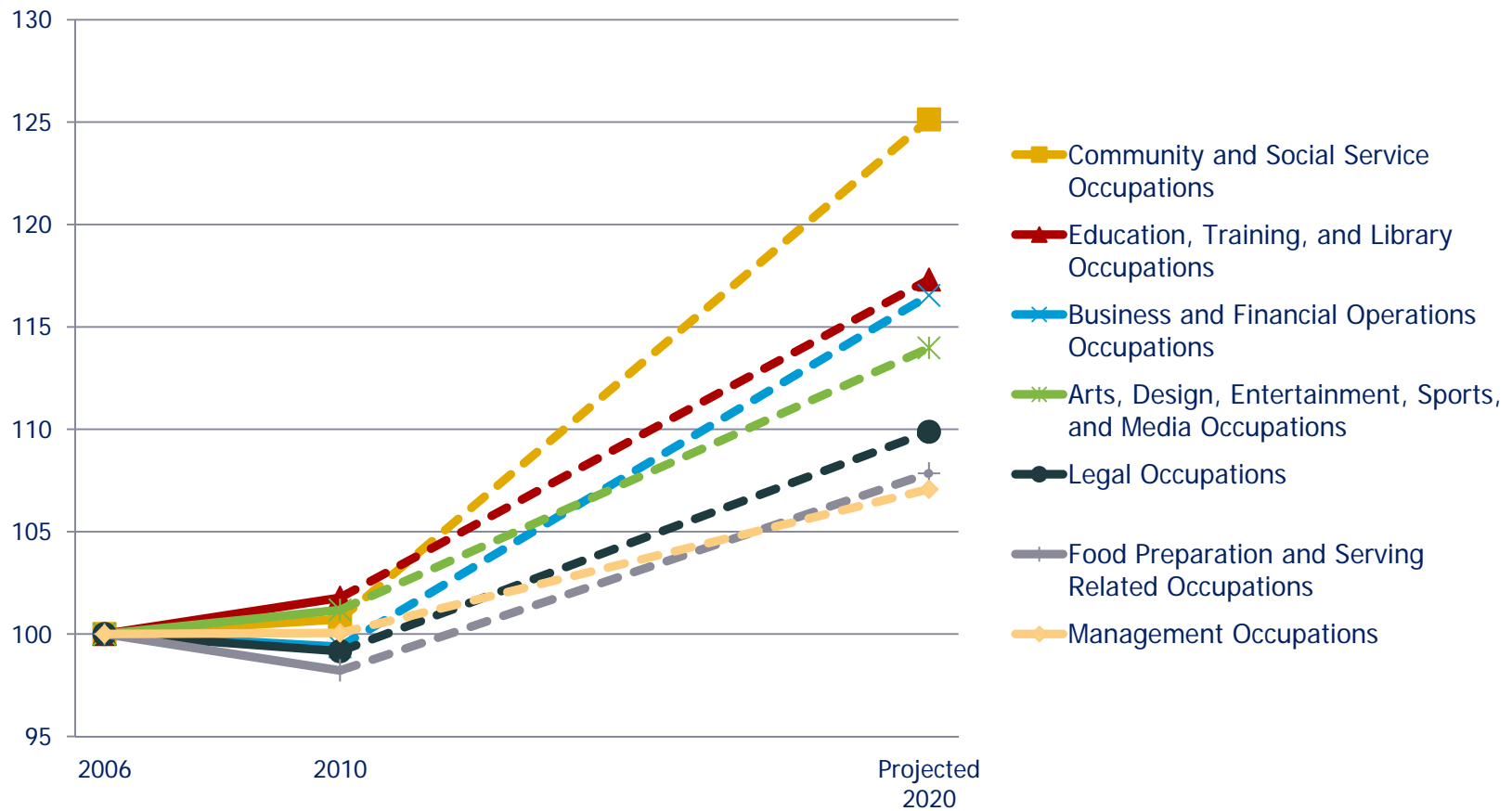
Percent of 2006 employment



NOTE: BLS does not project specific data for years to 2020. The interim years between 2010 and the 2020 projection point are expressed by a straight dashed line only.

Employment Trends for Occupational Groups with Little Employment Change 2006-10

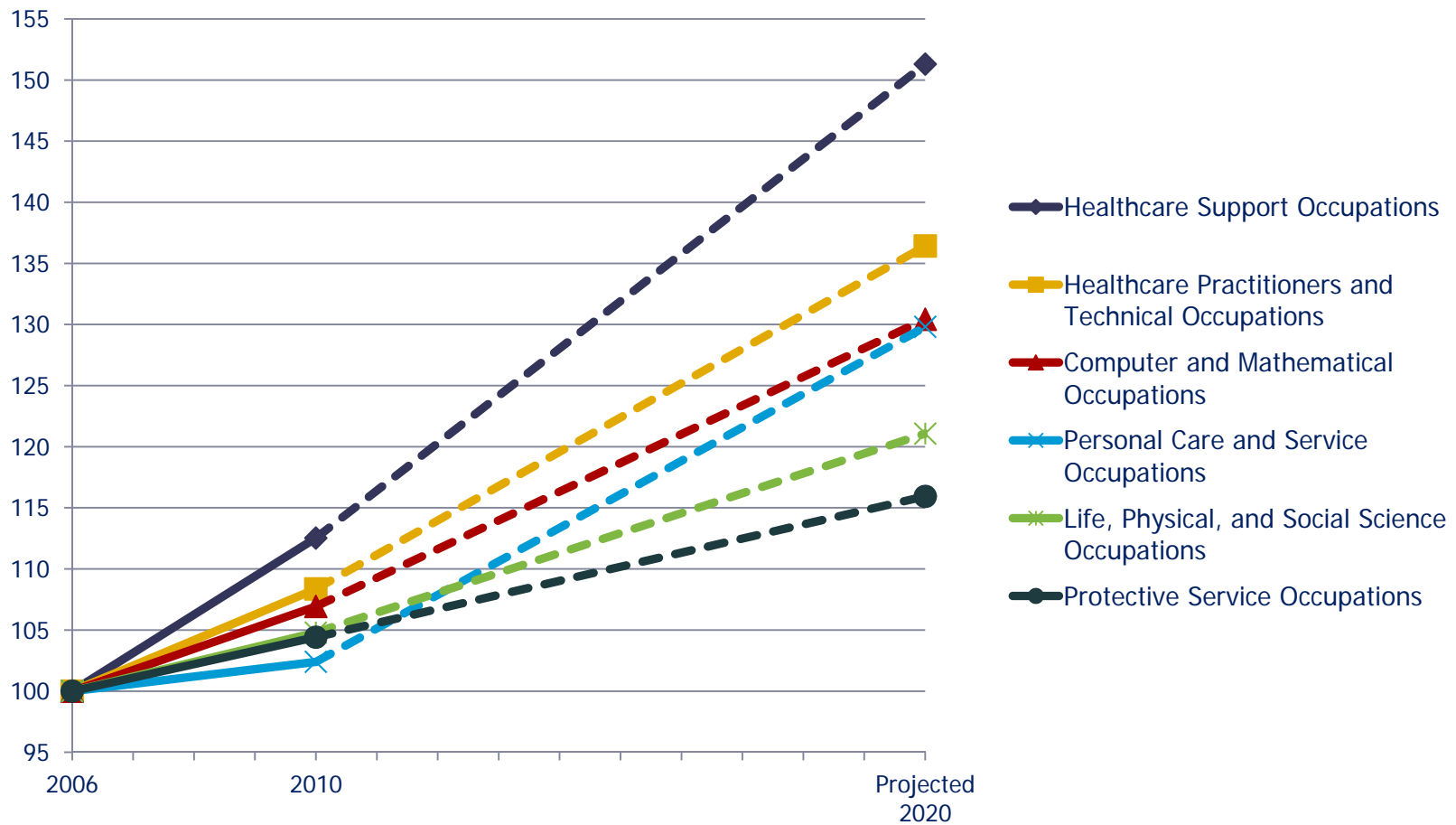
Percent of 2006 employment



NOTE: BLS does not project specific data for years to 2020. The interim years between 2010 and the 2020 projection point are expressed by a straight dashed line only.

Employment Trends for Occupational Groups whose Employment Increased 2006-10

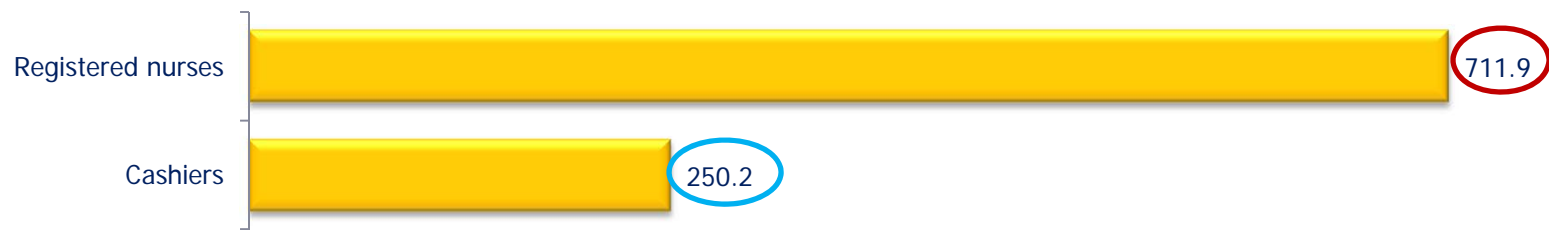
Percent of 2006 employment



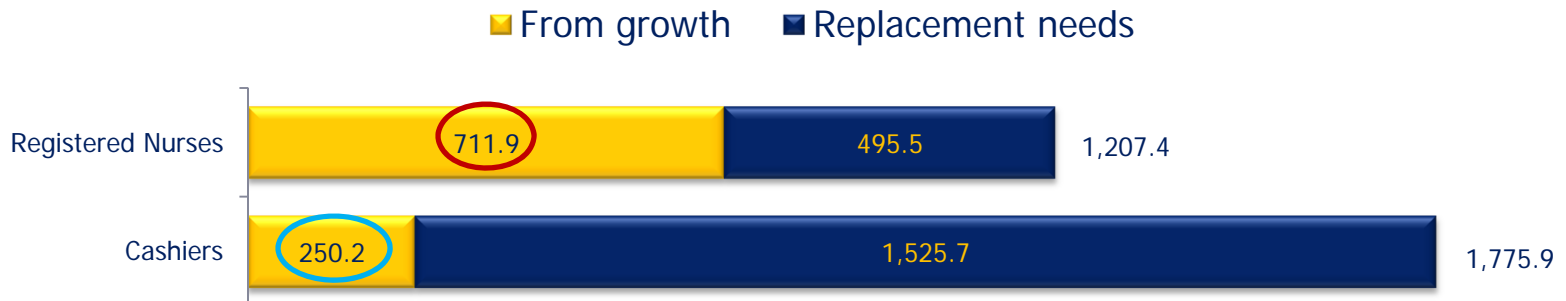
NOTE: BLS does not project specific data for years to 2020. The interim years between 2010 and the 2020 projection point are expressed by a straight dashed line only.

Employment Growth vs. Replacement Needs

Numeric employment growth in two occupations, projected 2010-20, in thousands



Job openings for two occupations, projected 2010-20, in thousands



Job Openings by Major Occupational Group

Thousands of job openings, projected 2010-20

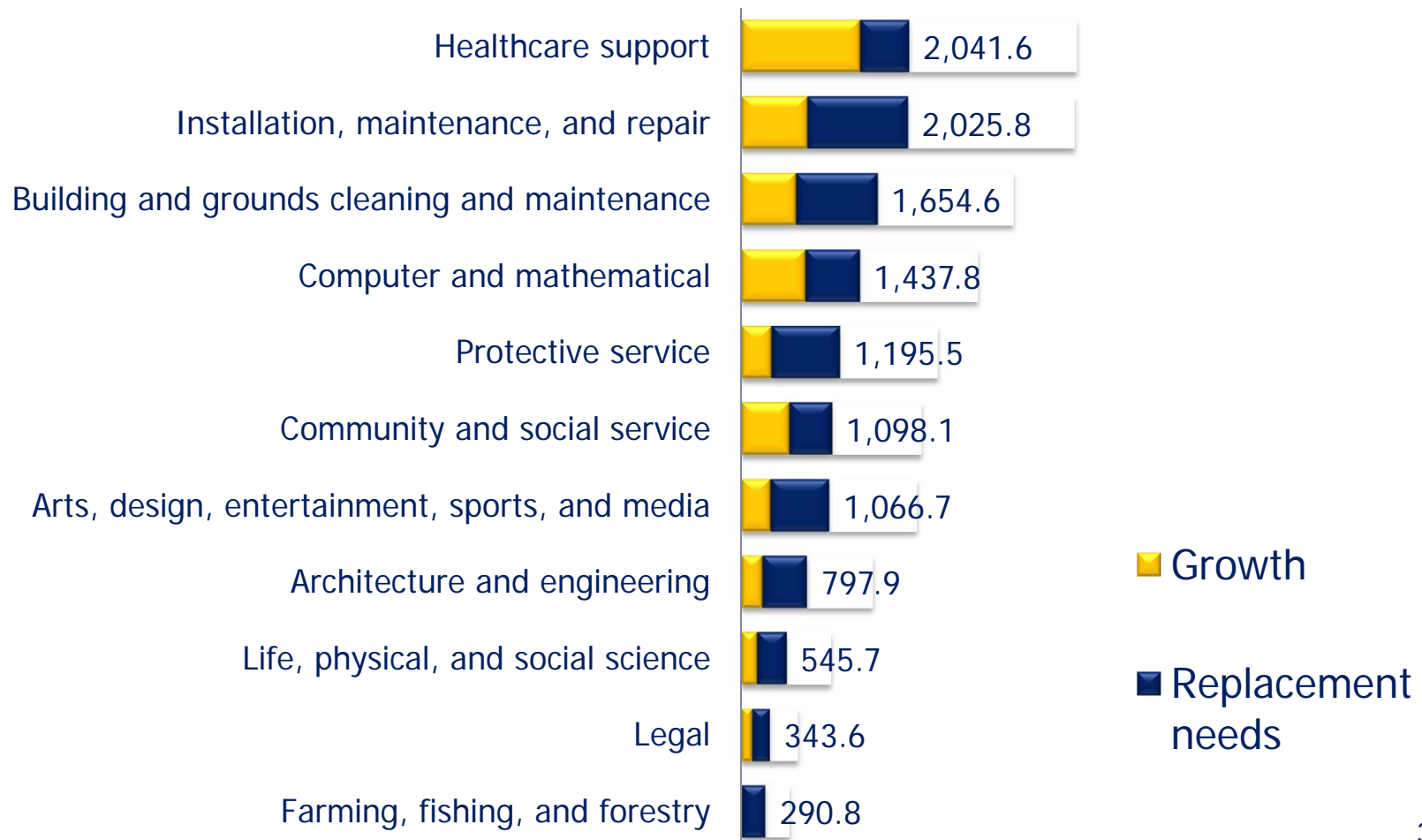


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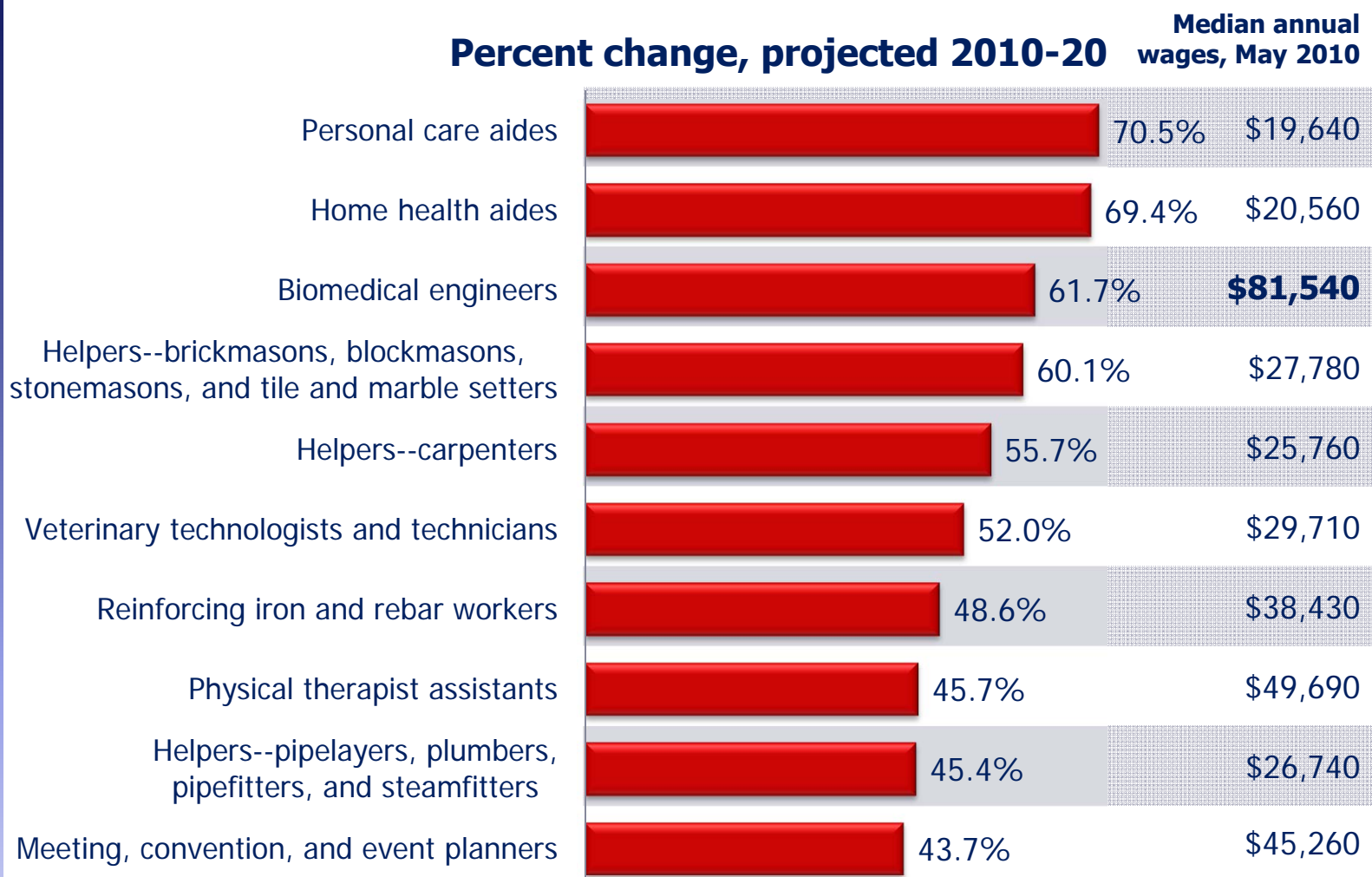


Job Openings by Major Occupational Group

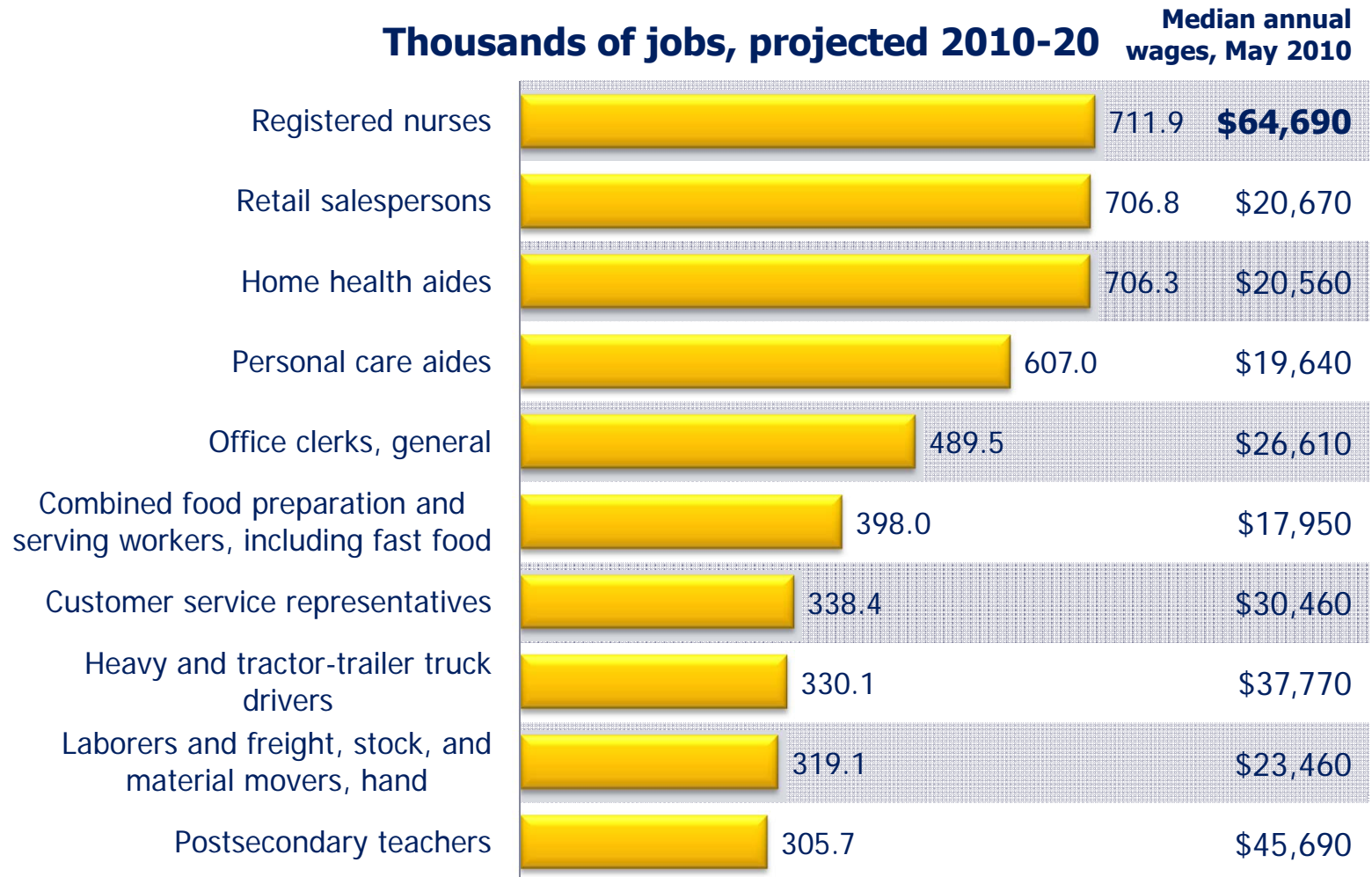
Thousands of job openings, projected 2010-20 *(Continued)*



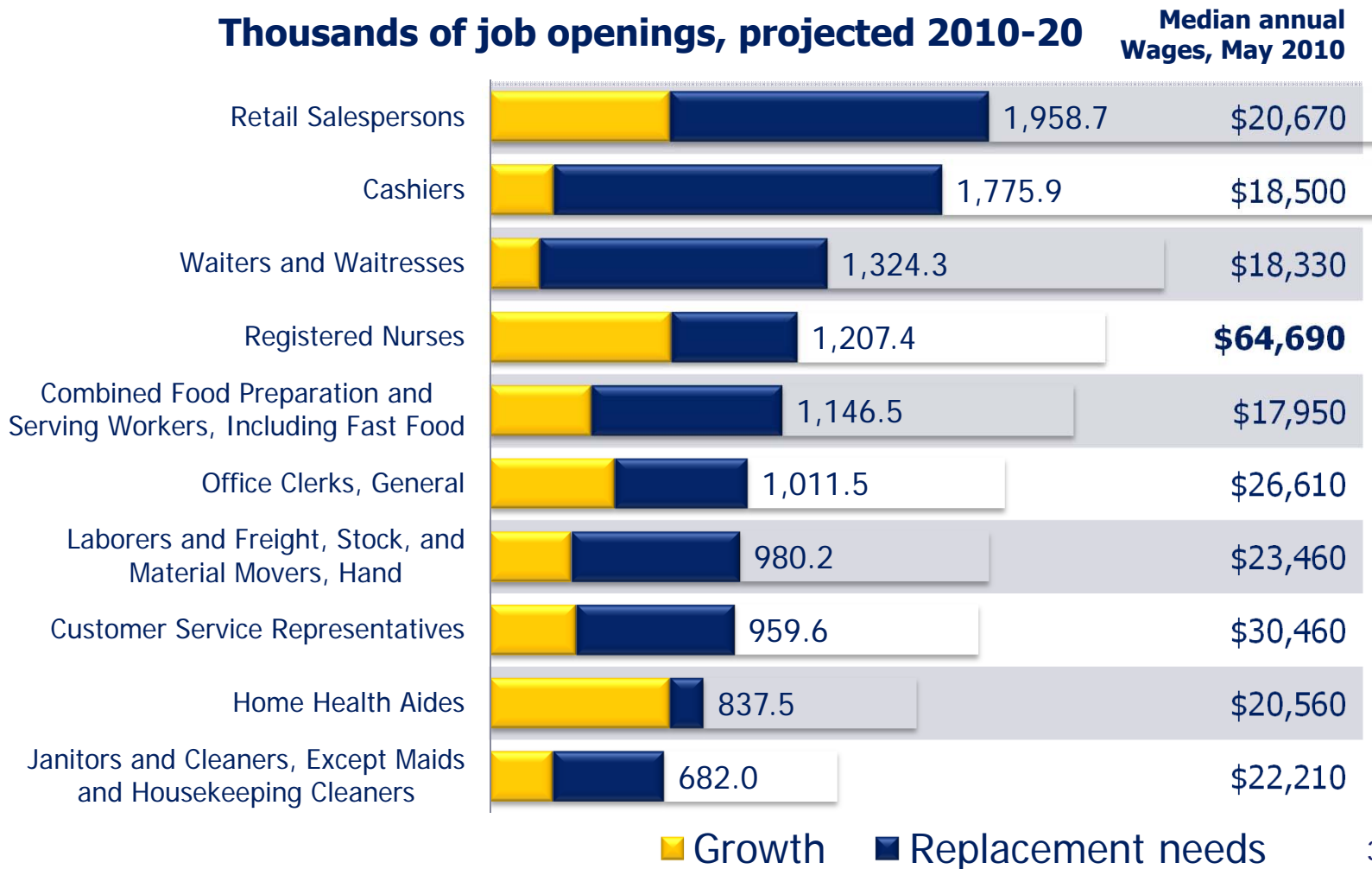
Fastest Growing Occupations



Occupations with the Largest Job Growth



Occupations with the Most Job Openings



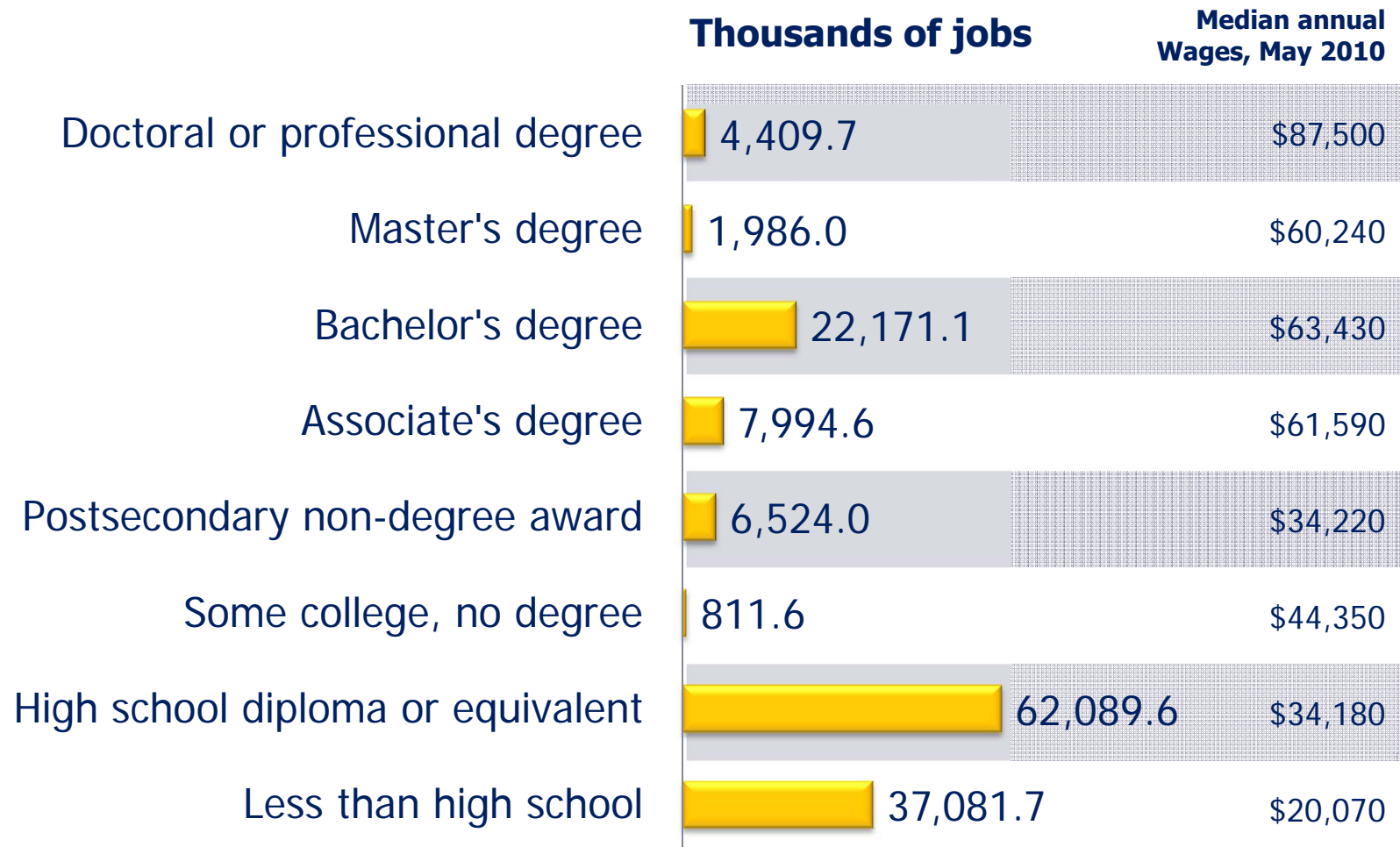
Fastest Declining Occupations

Median annual wages, May 2010	Percent change, projected 2010-20	
\$26,280	-53.4%	Shoe machine operators and tenders
\$53,080	-48.5%	Postal Service mail sorters, processors, and processing machine operators
\$53,100	-48.2%	Postal Service clerks
\$38,970	-35.6%	Fabric and apparel patternmakers
\$60,300	-27.8%	Postmasters and mail superintendents
\$20,600	-25.8%	Sewing machine operators
\$24,920	-23.3%	Switchboard operators, including answering service
\$23,490	-21.8%	Textile cutting machine setters, operators, and tenders
\$25,870	-18.2%	Textile knitting and weaving machine setters, operators, and tenders
\$33,130	-17.9%	Semiconductor processors

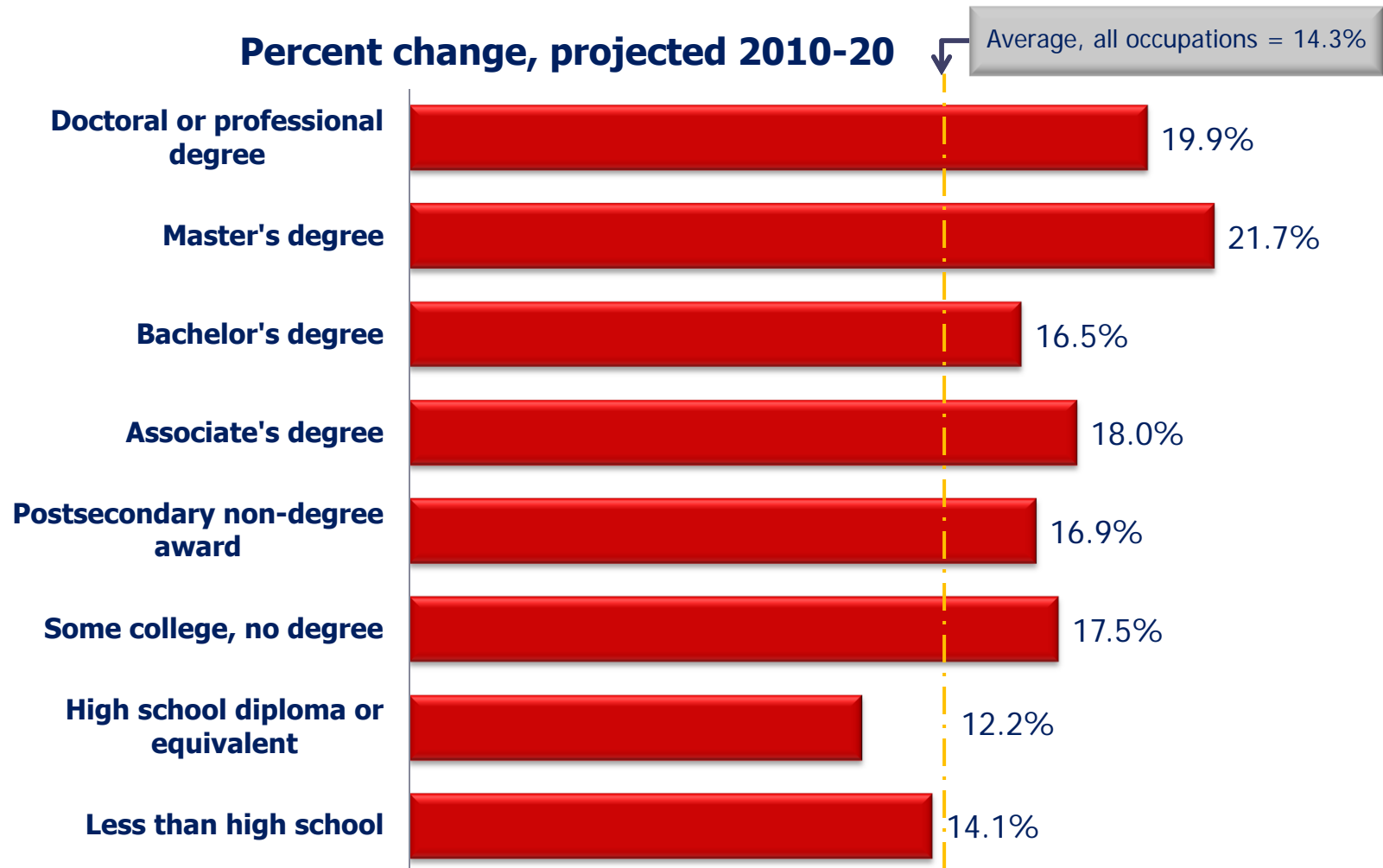
Education and Training Classification

- New classification system introduced with 2010-20 projections
- Consists of three categories of information for each occupation:
 - ▶ Typical education needed for entry
 - ▶ Work experience in a related occupation
 - ▶ Typical on-the-job training needed to attain competency in the occupation

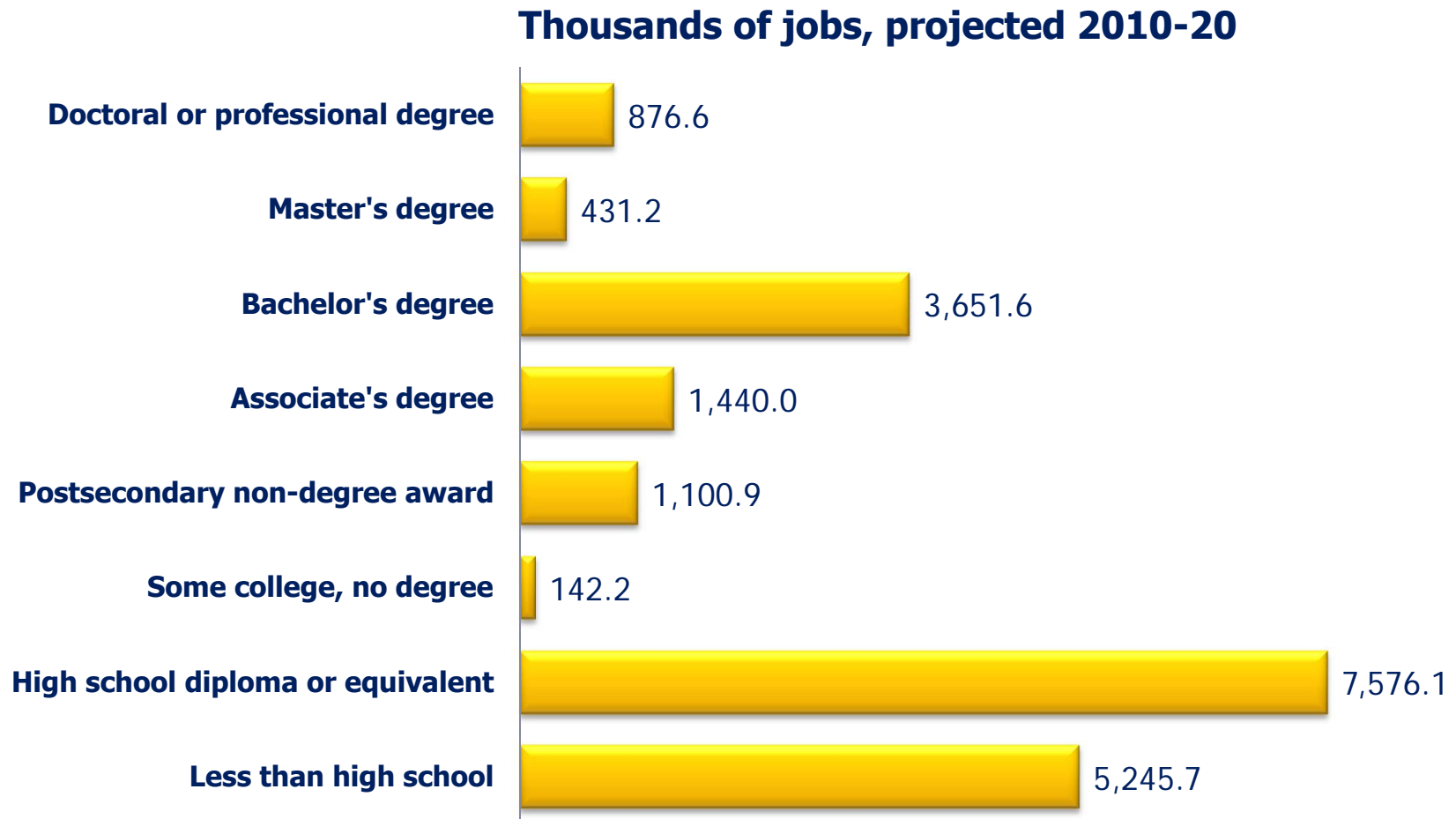
Employment by Typical Entry-level Education Category: 2010



Percent Change in Employment by Typical Entry-level Education Category



Employment Change by Typical Entry-level Education Category



Doctoral or Professional Degree Occupations with the Largest Job Growth

W	T	Thousands of jobs, projected 2010-20	Median annual wages, May 2010
N	N	Postsecondary teachers	305.7 \$62,050
N	I/R	Physicians and surgeons	168.3 ≥\$166,400
N	N	Physical therapists	77.4 \$76,310
N	N	Lawyers	73.6 \$112,760
N	N	Pharmacists	69.7 \$111,570
N	N	Medical scientists, except epidemiologists	36.4 \$76,700
N	I/R	Clinical, counseling, and school psychologists	33.7 \$66,810
N	I/R	Dentists, general	27.6 \$141,040
N	N	Veterinarians	22.0 \$82,040
N	N	Chiropractors	14.9 \$67,200

Master's Degree Occupations with the Largest Job Growth

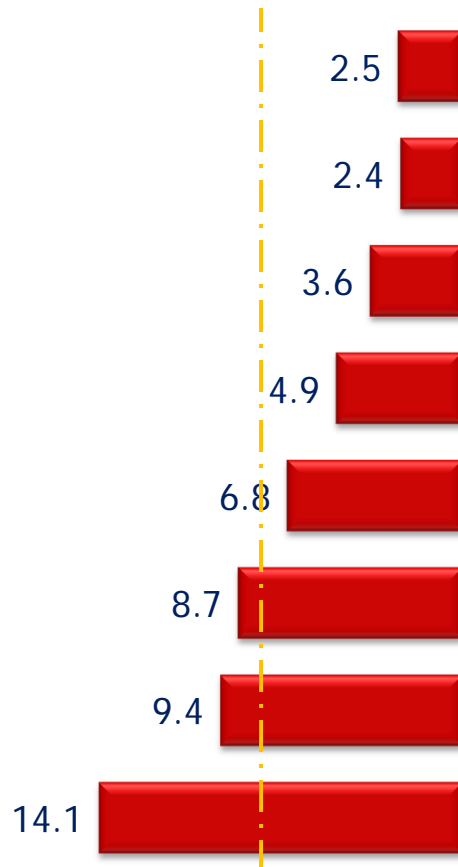
W	T	Thousands of jobs, projected 2010-20	Median annual wages, May 2010
N	N	Educational, guidance, school, and vocational counselors	53.4 \$53,380
N	N	Healthcare social workers	51.2 \$47,230
N	I/R	Mental health counselors	43.6 \$38,150
N	N	Rehabilitation counselors	36.6 \$32,350
N	N	Occupational therapists	36.4 \$72,320
N	N	Speech-language pathologists	28.8 \$66,920
1-5	N	Education administrators, postsecondary	27.8 \$83,710
5+	N	Instructional coordinators	27.3 \$58,830
N	N	Physician assistants	24.7 \$86,410
1-5	N	Education administrators, elementary and secondary school	23.2 \$86,970

High School Diploma Occupations with the Largest Job Growth

W	T	Thousands of jobs, projected 2010-20	Median annual wages, May 2010
N	S	Office clerks, general	489.5 \$26,610
N	S	Customer service representatives	338.4 \$30,460
1-5	S	Heavy and tractor-trailer truck drivers	330.1 \$37,770
N	S	Childcare workers	262.0 \$19,300
N	M	Bookkeeping, accounting, and auditing clerks	259.0 \$34,030
N	S	Receptionists and information clerks	248.5 \$25,240
N	M	Sales representatives, wholesale and manufacturing, except technical and scientific products	223.4 \$52,440
N	M	Medical secretaries	210.2 \$30,530
1-5	N	First-line supervisors of office and administrative support workers	203.4 \$47,460
N	A	Carpenters	196.0 \$39,530

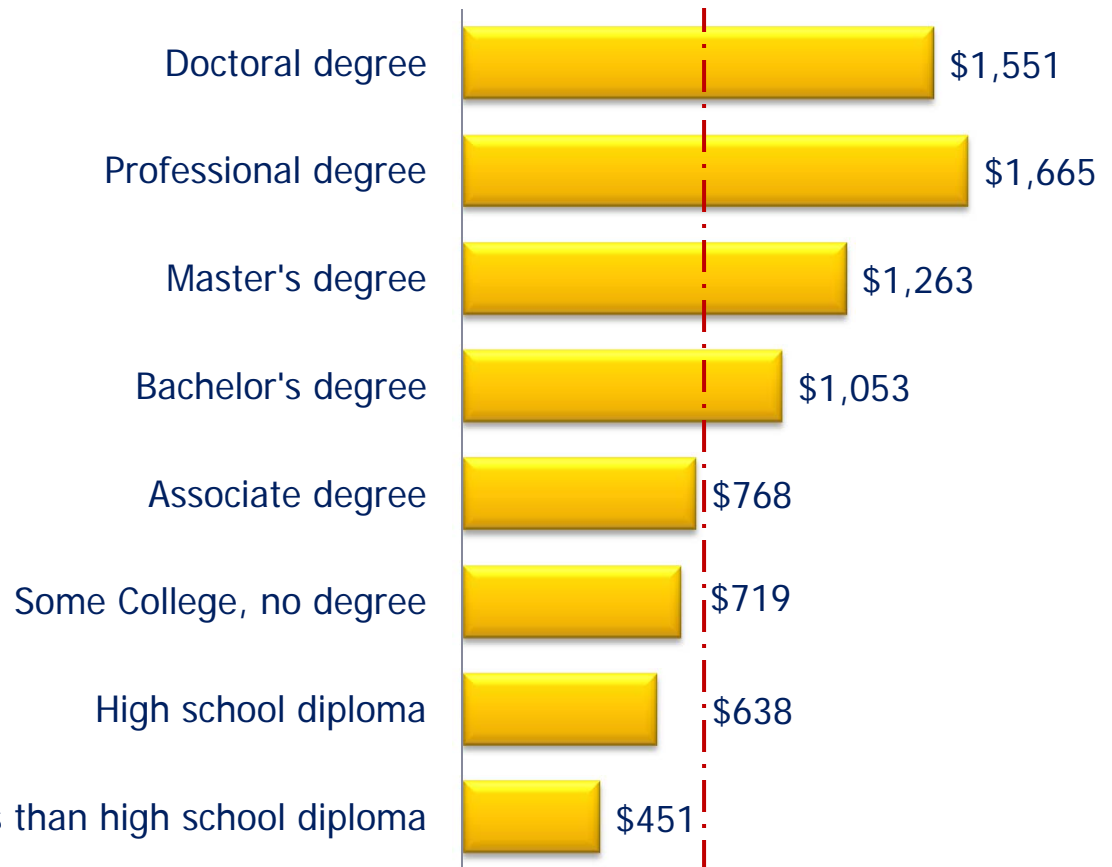
Education pays...

Unemployment rate, 2011



Average, all occupations = 7.6

Median weekly earnings, 2011



Average, all occupations = \$797

NOTE: Data for persons aged 25 and over.

Contact Information

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Employment Projections program

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