

Occupations in New Hampshire with High Growth Rates and Job Openings, 2015 Q2 to 2017 Q2

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Newly released employment projections for second quarter 2015 to second quarter 2017 show that a wide variety of occupations are expected to have substantial job openings and better-than-average employment growth. Overall, employment in New Hampshire is projected to increase by 2.5 percent over the two-year period, a gain of more than 17,100 jobs.

Many occupations are projected to have exceptional prospects for employment growth or are expected to have numerous job openings over the two-year period. Job openings can arise from employment growth, as industries expand and require more workers, or from the need to replace workers that retire or move on to other occupations.

Fourteen occupations in New Hampshire have a very bright outlook because they have a minimum growth rate of five percent, double the statewide average growth rate of 2.5 percent, and a minimum of 40 job openings each year. These jobs are expected to spur employment opportunities for workers with educational attainment ranging from no formal education to a Doctorate.

Four of the fourteen jobs with the brightest outlook are computer-related occupations and require some form of postsecondary education. Of these occupations, *Web developers* are projected to be the fastest-growing, increasing by 8.0 percent over two years with 48 job openings expected each year. *Web developers* design and create websites. This is a

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New Hampshire Short-term Employment Projections, Second Quarter 2015 to Second Quarter 2017 Occupations with the Brightest Outlook for Employment Growth and Job Openings

Occupation Title	Entry Level Education	Base Period 2015 Q2 Employment	Projected Employment Growth 2017 Q2	Projected Total Annual Job Openings
Physical Therapists	Doctorate or professional degree	1,474	5.2%	74
Nurse Practitioners	Master's degree	784	5.7%	40
Computer and Information Systems Managers	Bachelor's degree	1,868	5.4%	66
Management Analysts	Bachelor's degree	2,469	5.1%	91
Market Research Analysts and Marketing Specialists	Bachelor's degree	1,861	5.4%	70
Personal Financial Advisors	Bachelor's degree	1,083	6.4%	60
Computer Systems Analysts	Bachelor's degree	2,307	5.5%	89
Software Developers, Applications	Bachelor's degree	4,595	6.2%	200
Civil Engineers	Bachelor's degree	1,200	5.2%	65
Web Developers	Associate's degree	950	8.0%	48
Industrial Machinery Mechanics	High school diploma or equivalent	2,212	5.8%	116
Computer-Controlled Machine Tool Operators, Metal and Plastic	High school diploma or equivalent	1,773	5.9%	100
Home Health Aides	No formal education required	1,716	6.4%	90
Personal Care Aides	No formal education required	5,842	5.1%	188

relatively small occupation in New Hampshire at present, with fewer than a thousand workers in second quarter 2015.

Nearly 4,600 workers were employed as *Software developers, applications* in second quarter 2015. Much higher-than-average employment growth of 6.2 percent is expected, and growth combined with the need to replace workers will result in 200 job openings per year. *Computer systems analysts* are also projected to increase in number, with 89 annual job openings. Employment of *Computer information systems managers* is projected to grow by 5.4 percent and there will be a need to fill 66 job openings per year. Workers in this occupation are generally expected to have five years or more experience in addition to a four-year degree.

The Health care and social assistance industry sector is projected to grow by 3.4 percent by second quarter 2017 for several reasons, among them an increase in the population of older persons and an emphasis on preventive care. Most occupations in the sector should see increases in employment. Four bright outlook occupations in health care involve direct care for individuals. Two typically require no formal education for entry-level employment: *Home health aides* and *Personal care aides*. The number of *Home health aides* is projected to grow by 6.4 percent, and *Personal care aides* are expected to grow at a slightly lower rate, 5.1 percent. In both occupations, there will be a need to fill vacancies as current workers move on to other occupations. Workers in these two occupations both provide care to

individuals. *Home health aides* provide routine health care such as dressing wounds, and monitoring health status, while *Personal care aides* assist persons with activities of daily living.

Two other bright outlook occupations in health care require training beyond four years of college: *Nurse practitioners* and *Physical therapists*. There were fewer than 800 *Nurse Practitioners* employed in New Hampshire in second quarter 2015, but employment in this occupation is expected to grow by 5.7 percent, much faster than average for all occupations. Job openings from employment growth will be greater than job openings from replacement needs, for a total of 40 openings overall. *Physical therapists* are projected to grow at 5.2 percent with 74 job openings per year. *Nurse practitioners* usually require a master's degree or higher, while *Physical therapists* must have a Doctorate; both must obtain a New Hampshire license to practice.

Projected overall employment gains in the Manufacturing industry sector through second quarter 2017 will benefit workers looking for jobs as *Computer-controlled machine tool operators, metal and plastic*. This occupation is expected to have a 5.9 percent growth rate and 100 annual job openings. A high school diploma is usually required for entry-level employment, with additional on-the-job training to fully develop skills. Employment for *Industrial machinery mechanics* is expected to grow by 5.8 percent, with 116 job openings per year.

Three business and finance occupations are projected to have employment growth rates over five percent and at least 60 annual job openings: *Market research analysts and marketing specialists*, *Management analysts*, and *Personal financial advisors*. Each of these occupations usually requires a Bachelor's degree for entry-level employment.

Civil engineers round out the bright outlook list with a projected growth rate of 5.2 percent and 65 annual job openings. This is the only occupation of the group to have more projected job openings from replacement needs than due to growth, which suggests that there will be more opportunities from the need to replace more workers leaving the occupation than from new jobs. Employment growth is expected to come from the need to repair infrastructure such as roads and bridges. A Bachelor's degree is required for entry-level employment in this occupation, along with licensure as a professional engineer.

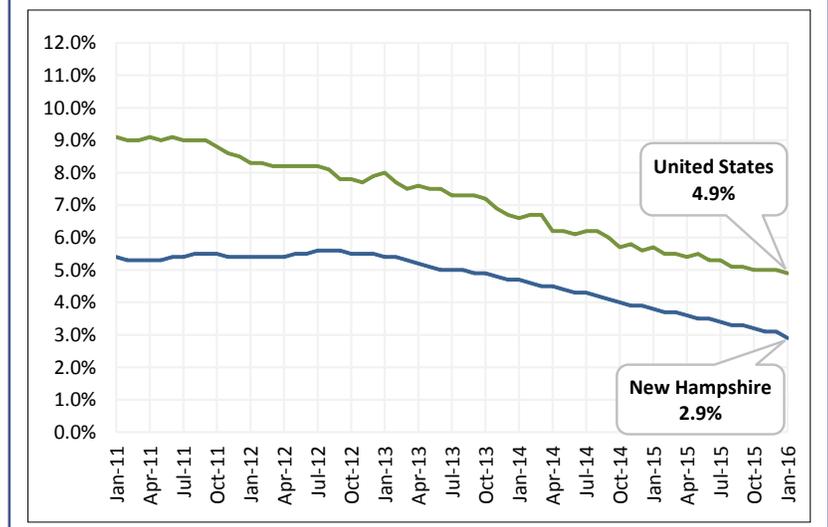
These are only some of more than 700 occupations in the latest short-term projections. Short-term projections attempt to determine which occupations will be in demand in the two-year period starting 2015 second quarter. There are many other occupations with good growth prospects that were not highlighted. A detailed summary of industry and occupational can be found on our website at <http://www.nhes.nh.gov/elmi/products/proj.htm>. These projections can also be found on NNetwork, New Hampshire's online Labor Market Information system at: <http://nnetwork.nhes.state.nh.us/nnetwork/>.

Seasonally Adjusted Estimates

Unemployment Estimates by Region

Seasonally Adjusted	Jan-16	Dec-15	Jan-15
United States	4.9%	5.0%	5.7%
Northeast	4.7%	4.8%	5.7%
New England	4.6%	4.7%	5.3%
Connecticut	5.5%	5.4%	6.1%
Maine	3.8%	4.0%	4.9%
Massachusetts	4.7%	4.9%	5.2%
New Hampshire	2.9%	3.1%	3.8%
Rhode Island	5.3%	5.4%	6.5%
Vermont	3.4%	3.5%	3.8%
Mid Atlantic	4.8%	4.9%	5.8%
New Jersey	4.5%	4.8%	6.4%
New York	4.9%	5.0%	5.7%
Pennsylvania	4.6%	4.7%	5.3%

Local Area Unemployment Statistics (LAUS) Unemployment Rate, NH and US



Current Employment Statistics (CES) by Place of Establishment

	Number of Jobs			Change From Previous	
	Jan-16	Dec-15	Jan-15	Month	Year
Total Nonfarm	660,700	661,100	652,600	-400	8,100
Total Private	570,400	571,700	561,800	-1,300	8,600
Mining and Logging	1,000	1,000	1,000	0	0
Construction	25,400	25,400	24,000	0	1,400
Manufacturing	65,700	66,400	66,900	-700	-1,200
Durable Goods	49,100	49,500	50,000	-400	-900
Non-Durable Goods	16,600	16,900	16,900	-300	-300
Trade, Transportation, and Utilities	138,800	138,500	137,900	300	900
Wholesale Trade	28,200	28,300	27,500	-100	700
Retail Trade	95,100	94,700	95,100	400	0
Transportation, Warehousing, and Utilities	15,500	15,500	15,300	0	200
Information	12,700	12,500	11,900	200	800
Financial Activities	36,900	36,600	34,900	300	2,000
Finance and Insurance	29,800	29,500	28,300	300	1,500
Real Estate and Rental and Leasing	7,100	7,100	6,600	0	500
Professional and Business Services	77,200	77,600	74,900	-400	2,300
Professional, Scientific, and Technical Services	33,800	33,300	32,800	500	1,000
Administrative and Support and Waste Management and Remediation Services	34,500	35,800	33,200	-1,300	1,300
Education and Health Services	117,900	118,800	117,200	-900	700
Educational Services	29,700	30,600	29,400	-900	300
Health Care and Social Assistance	88,200	88,200	87,800	0	400
Leisure and Hospitality	69,300	69,100	68,200	200	1,100
Arts, Entertainment, and Recreation	11,600	11,400	11,200	200	400
Accommodation and Food Services	57,700	57,700	57,000	0	700
Other Services	25,500	25,800	24,900	-300	600
Government	90,300	89,400	90,800	900	-500
Federal Government	7,400	7,600	7,300	-200	100
State Government	24,200	23,800	24,900	400	-700
Local Government	58,700	58,000	58,600	700	100

Current month is preliminary; past months are revised

Prior data and area data are available on our web site at: www.nhes.nh.gov/elmi/statistics/ces-data.htm

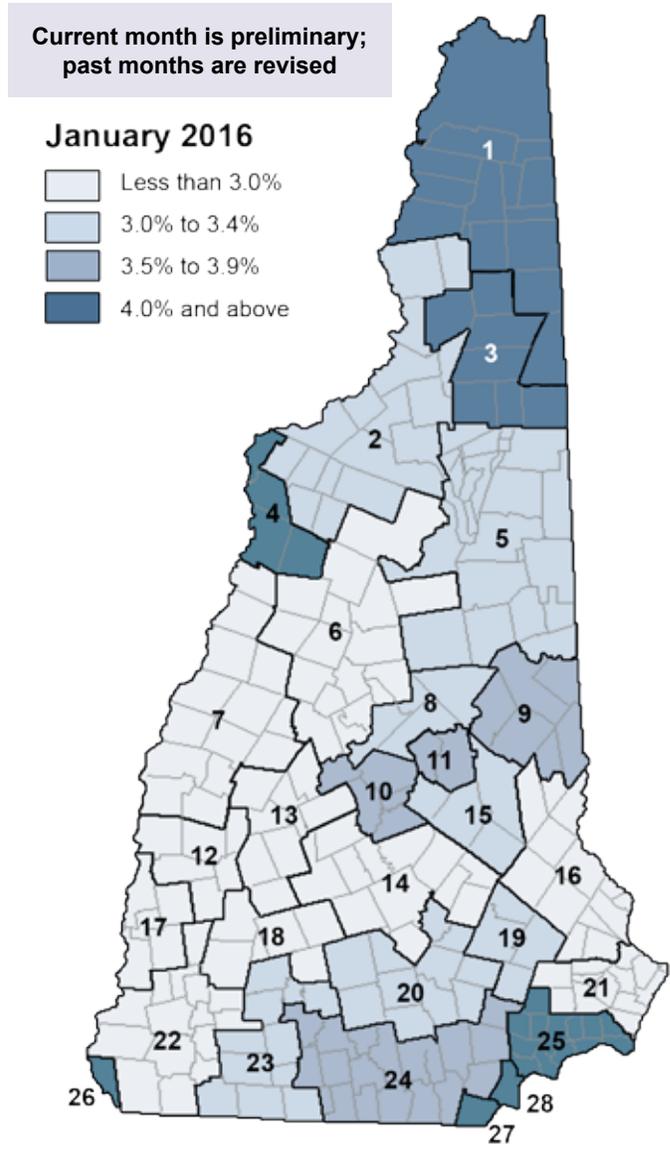
Not Seasonally Adjusted Estimates by Place of Residence

Labor Force Estimates			
New Hampshire	Jan-16	Dec-15	Jan-15
Total Civilian Labor Force	738,320	737,770	739,220
Employed	714,470	716,500	706,920
Unemployed	23,850	21,270	32,300
Unemployment Rate	3.2%	2.9%	4.4%
United States (# in thousands)	Jan-16	Dec-15	Jan-15
Total Civilian Labor Force	157,347	157,245	156,050
Employed	149,037	149,703	146,552
Unemployed	8,309	7,542	9,498
Unemployment Rate	5.3%	4.8%	6.1%

Unemployment Rates by Area			
Counties	Jan-16	Dec-15	Jan-15
Belknap	3.4%	3.0%	4.8%
Carroll	3.6%	3.3%	4.9%
Cheshire	3.0%	2.7%	4.3%
Coös	5.0%	4.2%	6.3%
Grafton	2.8%	2.5%	3.8%
Hillsborough	3.3%	3.0%	4.6%
Merrimack	2.9%	2.5%	4.2%
Rockingham	3.4%	3.1%	4.9%
Strafford	2.9%	2.6%	4.2%
Sullivan	2.6%	2.3%	3.7%

Map Key	Labor Market Areas	Jan-16	Dec-15	Jan-15
1	Colebrook, NH-VT LMA, NH Portion	4.9%	4.6%	5.9%
2	Littleton, NH-VT LMA, NH Portion	3.4%	3.1%	4.6%
3	Berlin NH Micropolitan NECTA	6.0%	4.6%	7.2%
4	Haverhill, NH LMA	4.3%	3.2%	5.3%
5	Conway, NH-ME LMA, NH Portion	3.3%	3.2%	4.5%
6	Plymouth, NH LMA	2.8%	2.7%	4.1%
7	Lebanon, NH-VT Micropolitan NECTA, NH Portion	2.4%	2.3%	3.3%
8	Meredith, NH LMA	3.4%	2.9%	4.7%
9	Wolfeboro, NH LMA	3.9%	3.4%	5.5%
10	Franklin, NH LMA	3.8%	3.1%	5.4%
11	Laconia, NH Micropolitan NECTA	3.5%	3.3%	4.9%
12	Claremont-Newport, NH LMA	2.6%	2.4%	3.8%
13	New London, NH LMA	2.6%	2.5%	3.8%
14	Concord, NH Micropolitan NECTA	2.7%	2.4%	4.0%
15	Belmont, NH LMA	3.4%	2.8%	4.9%
16	Dover-Durham, NH-ME Metropolitan NECTA, NH Portion	2.9%	2.6%	4.2%
17	Charlestown, NH LMA	2.8%	2.4%	3.9%
18	Hillsborough, NH LMA	2.9%	2.8%	4.1%
19	Raymond, NH LMA	3.3%	2.8%	4.5%
20	Manchester, NH Metropolitan NECTA	3.1%	2.8%	4.3%
21	Portsmouth, NH-ME Metropolitan NECTA, NH Portion	2.8%	2.5%	4.2%
22	Keene, NH Micropolitan NECTA	2.8%	2.6%	4.1%
23	Peterborough, NH LMA	3.3%	2.8%	4.5%
24	Nashua, NH-MA NECTA Division, NH Portion	3.5%	3.2%	4.8%
25	Seabrook-Hampstead Area, NH Portion, Haverhill-Newburyport-Amesbury MA-NH NECTA Division	4.1%	3.6%	5.8%
26	Hinsdale Town, NH Portion, Brattleboro, VT-NH LMA	4.0%	3.4%	5.0%
27	Pelham Town, NH Portion, Lowell-Billerica-Chelmsford, MA-NH NECTA Division	4.6%	4.0%	6.4%
28	Salem Town, NH Portion, Lawrence-Metuen-Salem, MA-NH NECTA Division	4.0%	3.7%	5.6%

Unemployment Rates by Region			
Not Seasonally Adjusted	Jan-16	Dec-15	Jan-15
United States	5.3%	4.8%	6.1%
Northeast	5.2%	4.4%	6.3%
New England	5.1%	4.4%	5.9%
Connecticut	6.0%	4.9%	6.6%
Maine	4.6%	3.9%	5.9%
Massachusetts	4.9%	4.6%	5.8%
New Hampshire	3.2%	2.9%	4.4%
Rhode Island	6.2%	5.1%	7.5%
Vermont	4.0%	3.1%	4.4%
Mid Atlantic	5.2%	4.4%	6.4%
New Jersey	4.7%	4.3%	6.9%
New York	5.5%	4.7%	6.4%
Pennsylvania	5.2%	4.1%	6.0%



New Hampshire unemployment and labor force estimates are calculated using a regression model which depends on Current Population Survey (CPS) estimates. City and town estimates are calculated using the Bureau of Labor Statistics "Handbook Method" and then adjusted to the State levels.

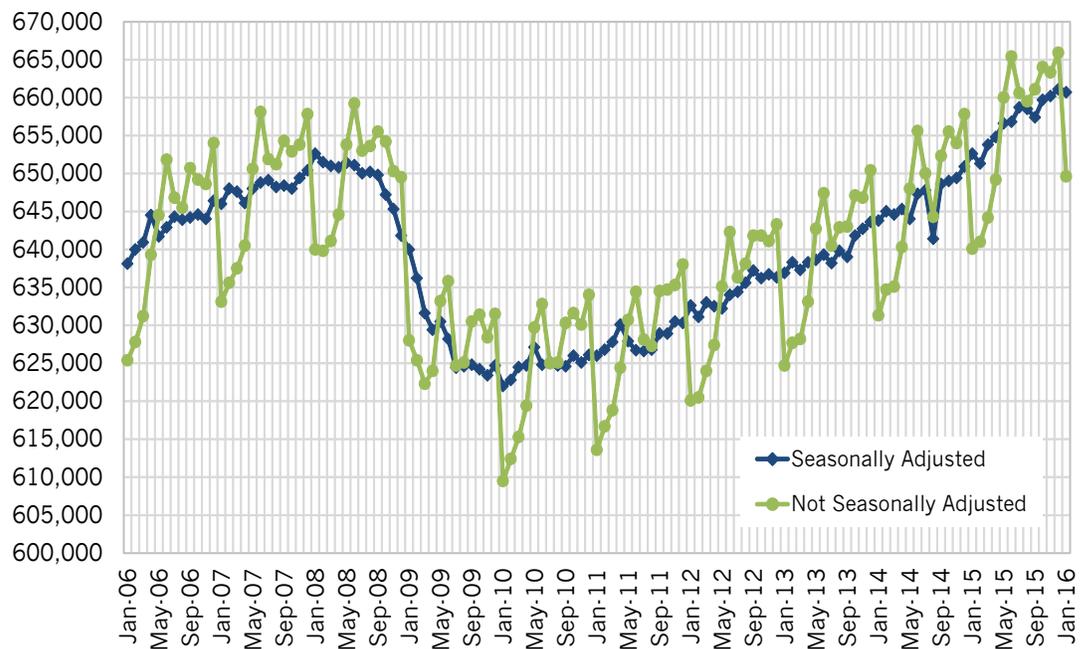
Monthly Estimates by Place of Establishment

New Hampshire Nonfarm Employment Statewide Not Seasonally Adjusted

Current month is preliminary; past months are revised

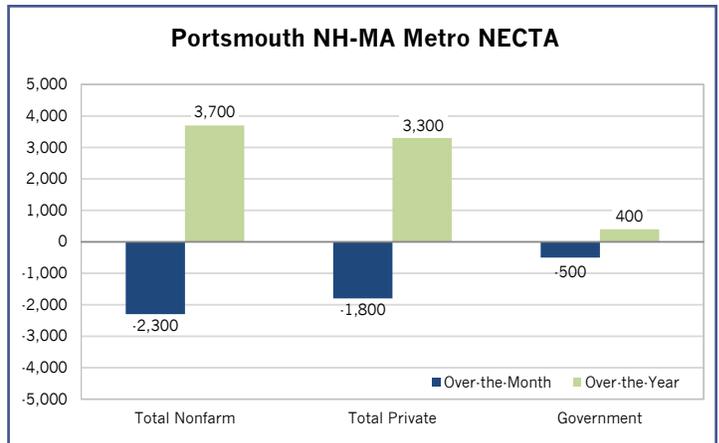
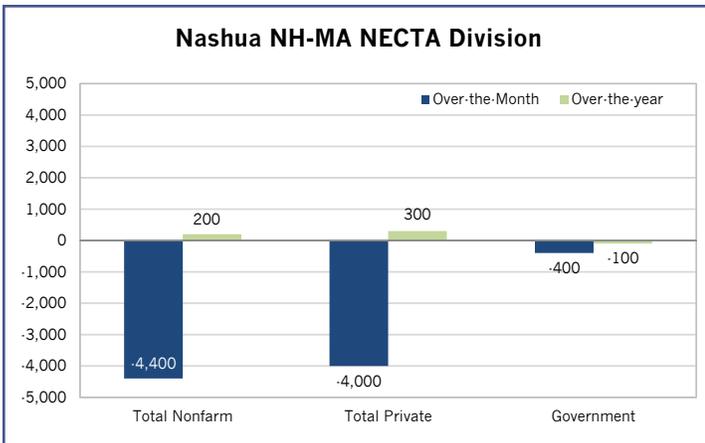
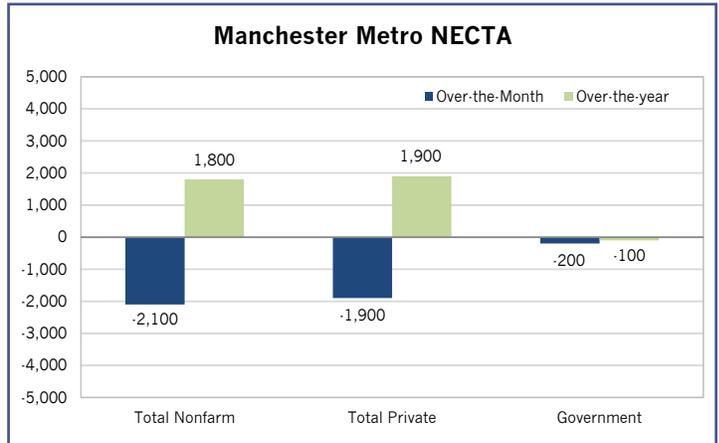
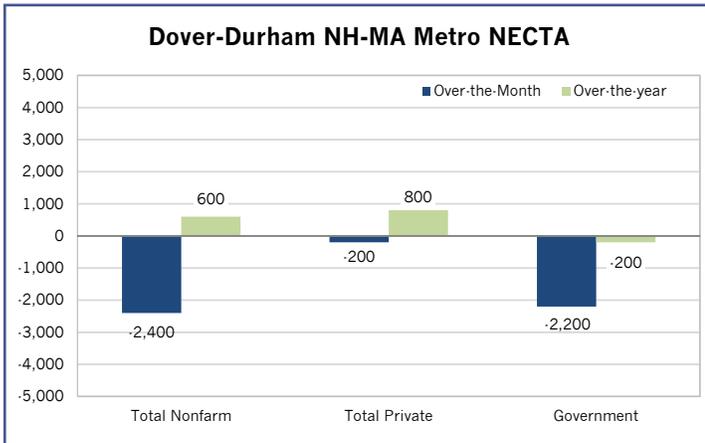
	Number of Jobs			Change From Previou	
	Jan-16	Dec-15	Jan-15	Month	Year
Total Nonfarm	649,600	665,900	640,100	-16,300	9,500
Total Private	560,200	571,900	550,200	-11,700	10,000
Mining and Logging	900	1,000	900	-100	0
Construction	23,000	25,600	21,800	-2,600	1,200
Manufacturing	65,500	66,100	66,500	-600	-1,000
Durable Goods	49,000	49,300	49,800	-300	-800
Non-Durable Goods	16,500	16,800	16,700	-300	-200
Trade, Transportation, and Utilities	138,800	143,300	136,900	-4,500	1,900
Wholesale Trade	28,200	28,300	27,200	-100	1,000
Retail Trade	95,300	98,700	94,600	-3,400	700
Transportation, Warehousing, and Utilities	15,300	16,300	15,100	-1,000	200
Information	12,700	12,500	11,900	200	800
Financial Activities	36,600	36,400	34,600	200	2,000
Professional and Business Services	75,500	77,400	73,300	-1,900	2,200
Education and Health Services	117,900	119,500	117,000	-1,600	900
Leisure and Hospitality	64,100	64,600	62,800	-500	1,300
Other Services	25,200	25,500	24,500	-300	700
Government	89,400	94,000	89,900	-4,600	-500
Federal Government	7,400	7,700	7,300	-300	100
State Government	21,600	25,700	22,400	-4,100	-800
Local Government	60,400	60,600	60,200	-200	200

Total Nonfarm Employment Trend for January 2016

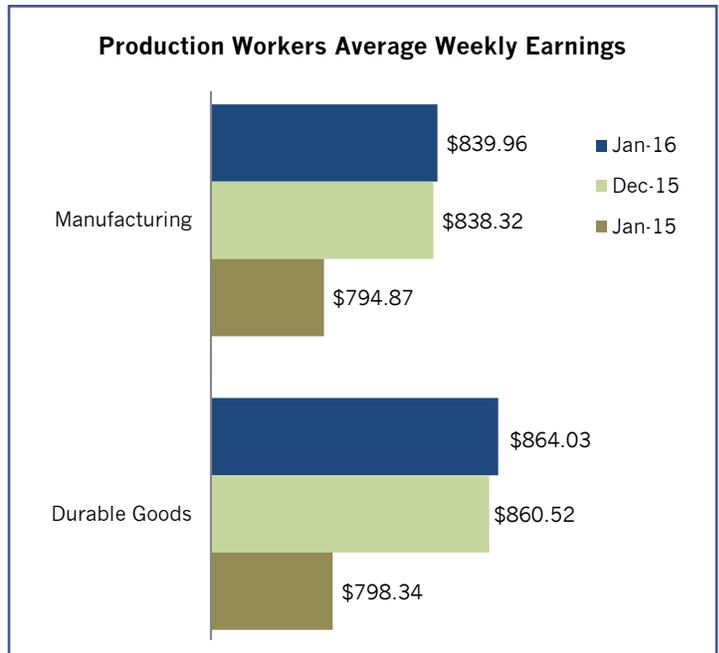
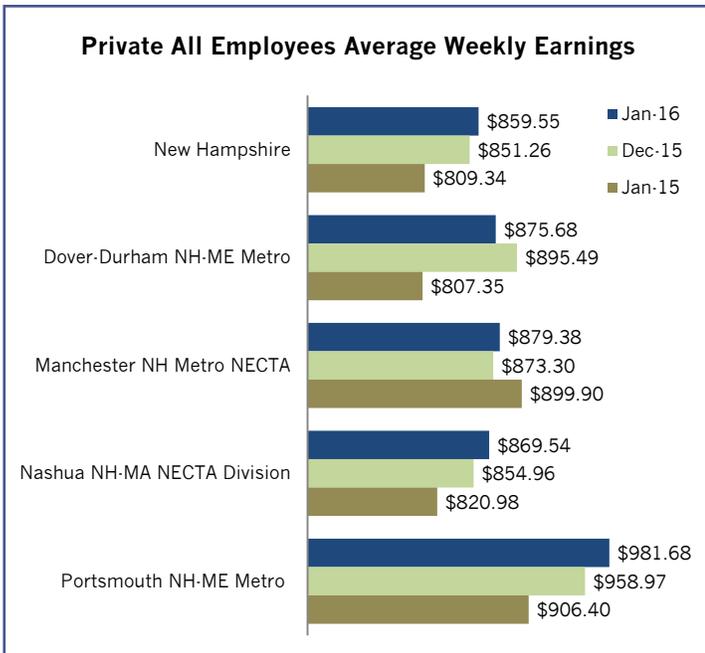


Not Seasonally Adjusted Estimates by Place of Establishment

Nonfarm Employment by Metropolitan Statistical Areas - January 2016



Total Private Average Weekly Earnings Data



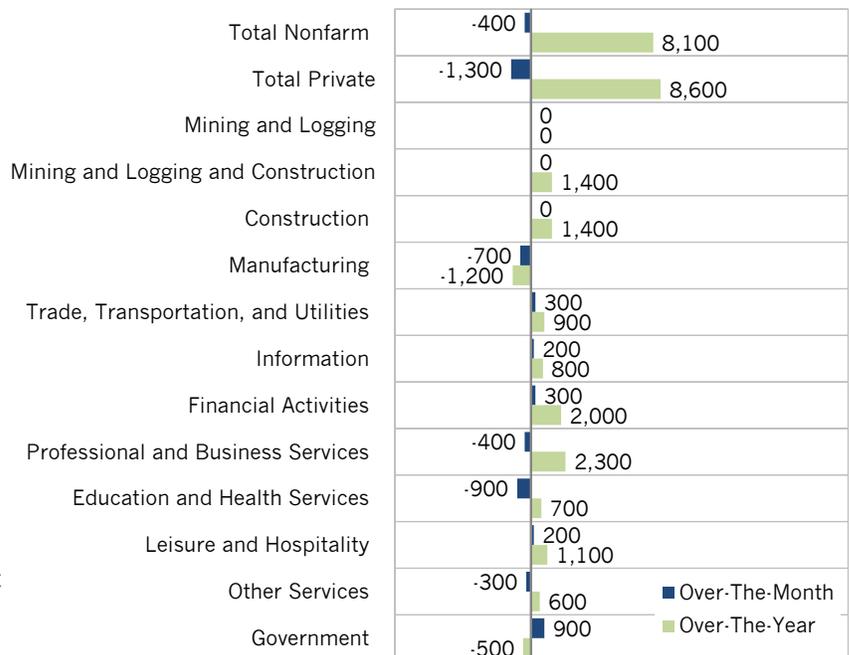
Sector data for the four areas and hours and earnings data are available on our web site: www.nhes.nh.gov/elmi/statistics/ces-data.htm

Monthly Analysis of Current Employment Statistics (CES)

Seasonally Adjusted Statistical Analysis of Nonfarm Employment

- Preliminary total nonfarm employment decreased by 400 jobs from December 2015 to January 2016, shifting employment down to 660,700 jobs.
- Over-the-month, private Education and health services decreased by 900 jobs.
- All of the loss was attributed to private Educational Services.
- Between January 2015 and January 2016, total nonfarm employment increased by 8,100 jobs.
- Over half of the increase was driven by Professional and business services and Financial activities, up 2,300 and 2,000 jobs, respectively.
- Changes in seasonally adjusted data reflect underlying economic changes and allow for comparisons of different time periods.

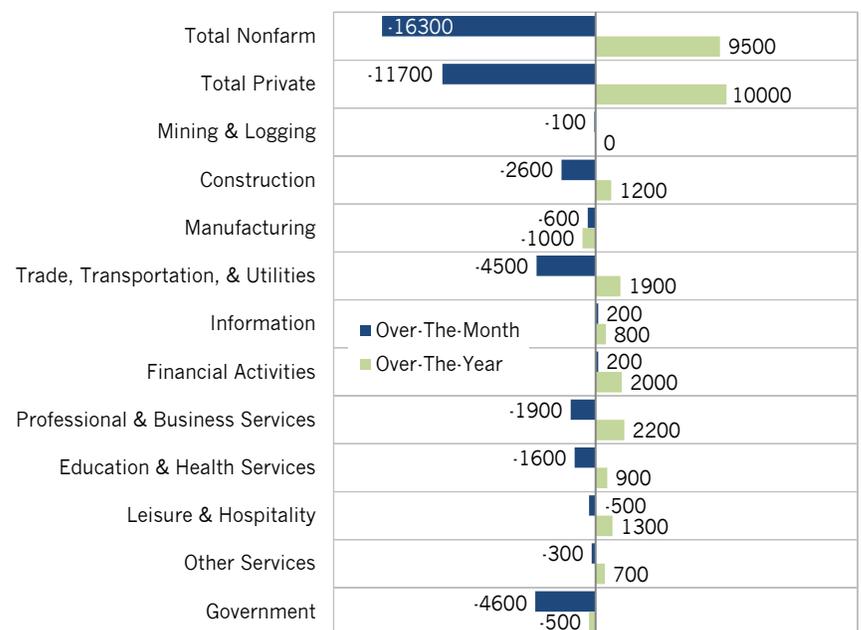
Seasonally Adjusted January 2016 Change



Not Seasonally Adjusted Statistical Analysis of Nonfarm Employment

- New Hampshire's not seasonally adjusted total nonfarm employment decreased by 16,300 jobs between December 2015 and January 2016.
- Over-the-month, 55 percent of the decline was attributed to Government and Trade, transportation, and utilities, down 4,600 and 4,500 jobs, respectively.
- From January 2015 to January 2016, total nonfarm employment increased by 9,500 jobs.
- Professional and business services contributed 2,200 jobs to the employment increase.
- Changes in not seasonally adjusted data are due to seasonal patterns in hiring, as well as underlying economic changes.

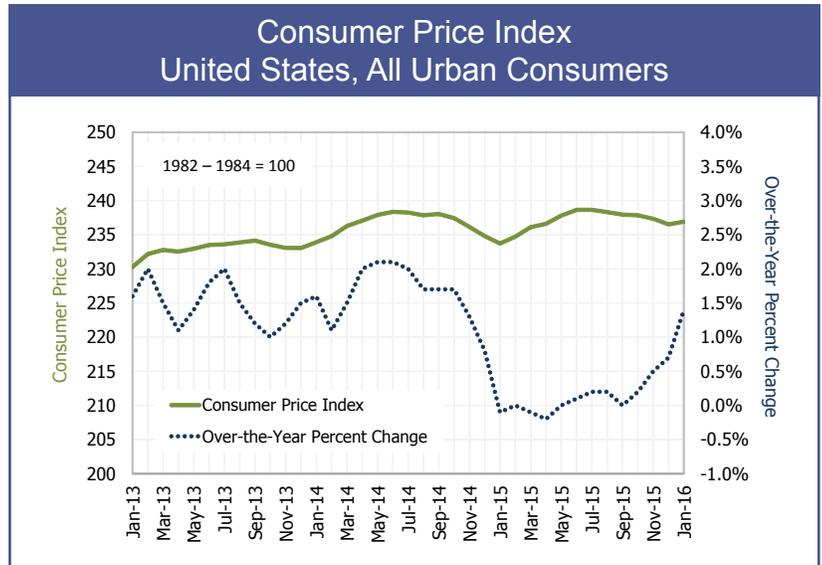
Not Seasonally Adjusted January 2016 Change



For further analysis, see the *Detailed Monthly Analysis of Industry Employment Data* on our web site: www.nhes.nh.gov/elmi/statistics/ces-data.htm

Consumer Price Index				
United States, All Urban Consumers Not Seasonally Adjusted (CPI-U) (1982-1984=100)				
Jan-16	Dec-15	Jan-15	Change from Previous	
			Month	Year
236.916	236.525	233.707	0.2%	1.4%

Northeast, All Urban Consumers Not Seasonally Adjusted (CPI-U) (1982-1984=100)				
Jan-16	Dec-15	Jan-15	Change from Previous	
			Month	Year
251.739	251.67	250.016	0.0%	0.7%



Unemployment Compensation Claims Activity						
	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
Initial Claims	2,726	2,195	2,520	3,164	4,792	4,341
Continued Weeks Claimed	21,810	15,429	14,711	18,144	19,396	26,880
Average payment for a week of unemployment	\$296.43	\$319.55	\$326.24	\$338.71	\$309.36	\$300.62

New Hampshire Economic Conditions is published monthly in coordination with the Bureau of Labor Statistics and the Employment and Training Administration of the U.S. Department of Labor.

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