

Distance Education Opportunities from New Hampshire Postsecondary Institutions, 2016

During the 2015-2016 academic year, New Hampshire’s postsecondary educational institutions offered 1,483 degree and certificate programs in 37 different fields of study.¹ Of all degree and certificate programs offered, 276, 18.6 percent, were offered via distance education. Among the 23 degree-granting postsecondary educational institutions with a physical presence in New Hampshire approved to offer Associate’s degree or higher level programs, 15 institutions offered distance education options. Distance education programs were offered in 22 of the 37 general academic fields of study.

According to the National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS) glossary, a *distance education program* is one for which all required coursework for completion can be completed via *distance education courses*. *Distance education courses* use technology to deliver instruction to students who are separated from the instructor and to support regular and substantive interaction between students and instructor, synchronously or asynchronously. Technologies may include Internet, one-way or two-way transmissions through open broadcasts, closed circuit, cable, microwave, broadband lines,

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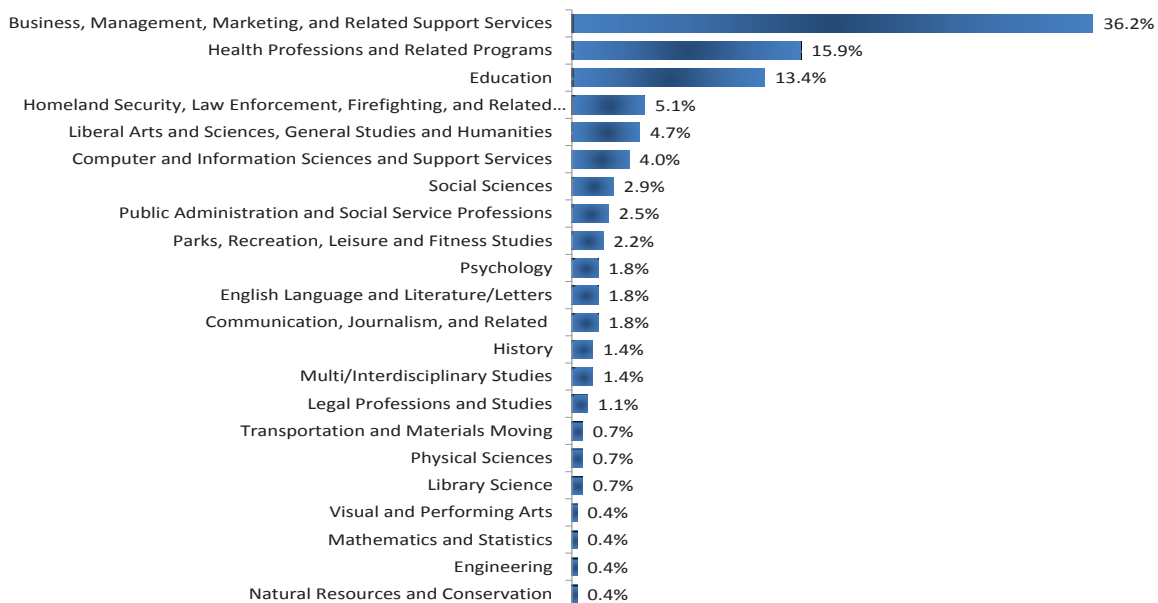
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Share of Distance Education Instructional Programs Offered by New Hampshire Educational Institutions, by Field of Study, 2016



¹ National Center for Education Statistics, Integrated Postsecondary Education Data System. Program offerings were derived from completions data (awards or degrees conferred by program and award level) granted between July 1, 2015 and June 30, 2016.

The Classification of Instructional Programs (CIP) is used to organize, code, and track fields of study and program completers. The two-digit CIP codes are organized into five general categories:

1. Academic and Occupational/Vocational Programs
2. Residency Programs
3. Military Science, Leadership and Operational Art
4. Personal Improvement and Leisure (Avocational) Programs
5. High School/Secondary Diplomas and Certificates

Only programs falling in the Academic and Occupational/Vocational Programs classification are valid for Integrated Postsecondary Education Data System (IPEDS) reporting.

Source: National Center for Education Statistics Introduction to the Classification of Instructional Programs: 2010 Edition (CIP-2010). https://nces.ed.gov/ipeds/cipcode/files/introduction_cip2010.pdf

fiber optics, satellite, or wireless communication devices; audio conferencing; and video cassette, DVDs, and CD-ROMs, if used in conjunction with the above. Distance education courses are delivered exclusively via distance education, but may include requirements to come to a campus for orientation, testing or academic support services.²

Fields of Study

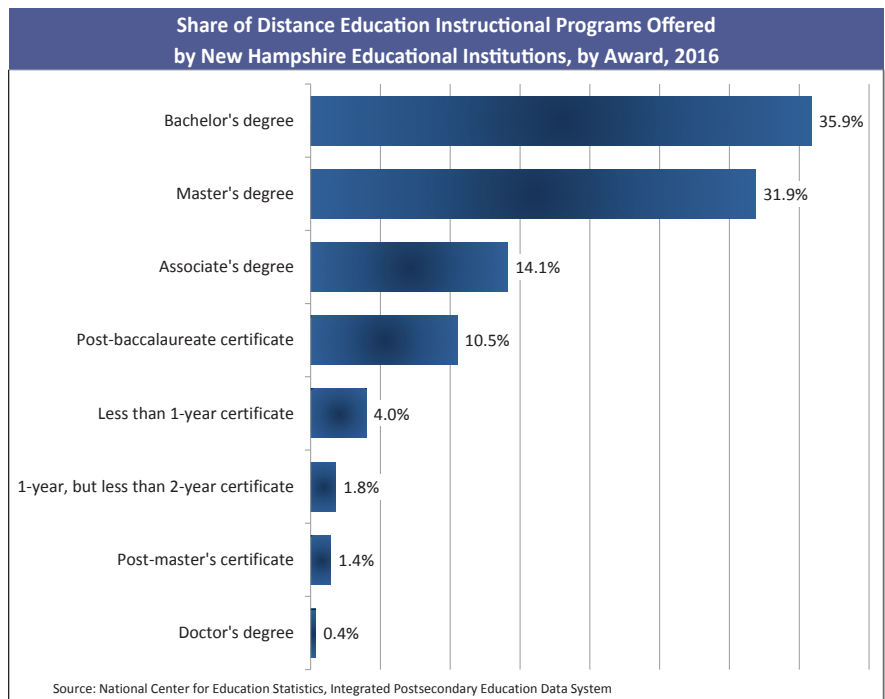
The largest number of distance education offerings were instructional programs in *Business, Management, Marketing, and Related Support Services*, with 100 programs offered by New Hampshire postsecondary education institutions. That was more than double the number of programs offered in other general academic fields of study. Programs in this academic field accounted for one of every three degree programs offered via distance learning from New Hampshire educational institutions. More specifically, there were 23 distance education programs

offered in *Business administration and management, general*; this academic major was offered for five different educational levels, ranging from a certificate program of less than one year to a Master’s degree. The next highest number of programs offered was Accounting,

with 14 distance education programs offered, and *Marketing and marketing management, general*, with ten distance education programs.

Distance education programs were offered for 44 *Health Professions and Related Programs*. There were 12 programs offered in *Health/Health Care Administration/Management*, and five programs for *Registered Nursing/Registered Nurse*.³ The Health Professions group included the sole distance education offering at the Doctorate level, a Doctor of Nursing Practice.

There were 37 distance education programs offered in *Education*. New Hampshire educational institutions offered the most distance education programs in *Early Childhood Education and Teaching; Education, General*;



² IPEDS Survey Materials Glossary <https://surveys.nces.ed.gov/ipeds/VisGlossaryAll.aspx>

³ All distance education nursing programs must include clinical experience supervised by an approved clinical preceptor. Distance education providers in other jurisdictions contracting with a facility in New Hampshire to provide clinical experience to nursing students must register intent with the New Hampshire Board of Nursing prior to offering the program.

and Educational Leadership and Administration, General.

About two-thirds of all distance education degree programs offered by New Hampshire educational institutions were in these three academic fields of study. Another 20 percent of instructional programs were offered in *Homeland Security, Law Enforcement, Firefighting, and Related Protective Services; Liberal Arts and Sciences, General Studies and Humanities; Computer and Information Sciences and Support Services; Social Sciences; and Public Administration and Social Service Professions.*

Academic Degrees Awarded

The majority of distance education programs offered by New Hampshire postsecondary institutions were Bachelor’s and Master’s degrees. Almost 36 percent of offered distance education programs awarded a Bachelor’s degree and roughly 32 percent awarded a Master’s degree. Another 14 percent of offered distance education programs awarded an Associate’s degree.

Just over 11 percent of distance education programs offered an award of either a post-baccalaureate or post-Master’s certificate. A post-baccalaureate certificate is an award requiring completion of academic study beyond the bachelor’s degree, and is designed for those who have completed a baccalaureate; however, it does not meet the requirements of a Master’s degree. Similarly, a post-Master’s certificate is an award for study beyond the Master’s degree but not meeting the requirements of a doctorate.

Nearly six percent of distance education programs resulted in award of a certificate below the Associate’s degree level, and

required either less than one year or between one and two years of postsecondary study.

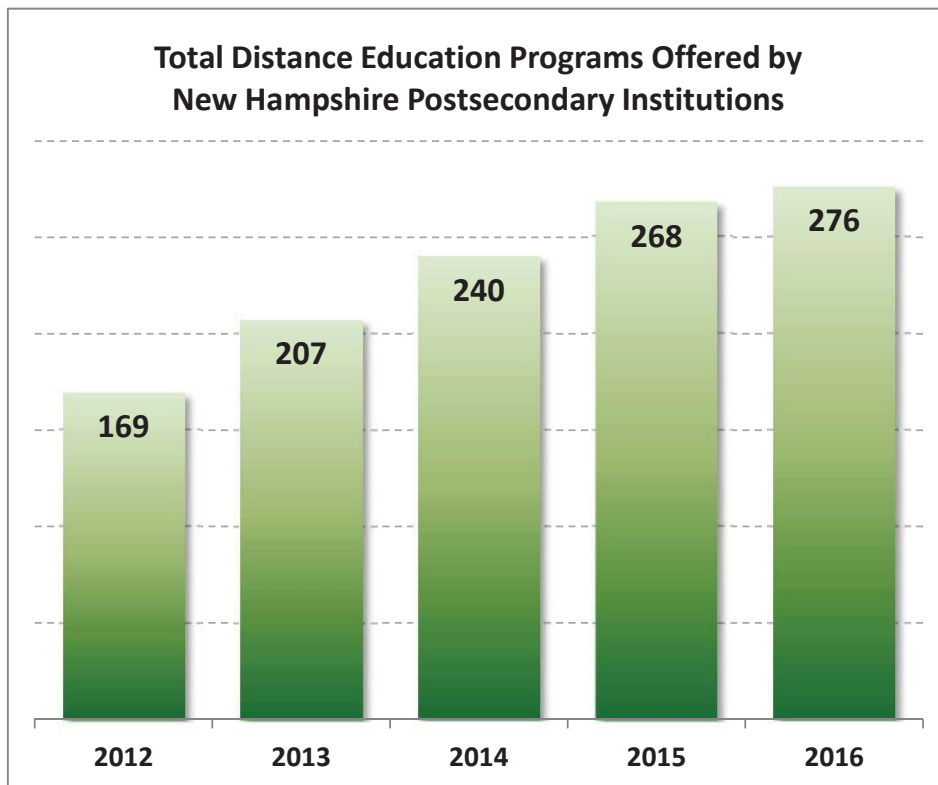
Field of Study by Degree

The academic degree most-offered via distance education was a Master’s degree in *Business, Management, Marketing, and Related Support Services* programs.

New Hampshire postsecondary educational institutions offered 34 programs at this award level. Programs awarding a Master’s degree in *Education* programs were the second-most offered, while programs awarding a Bachelor’s degree in *Health Professions and Related Programs* ranked third.

Instructional Program Groups	Academic Awards Offered Via Distance Education							
	Associate's Degree	Bachelor's Degree	Master's Degree	Professional Practice Doctorate	Certificate Program, Less than 1 Year	Certificate Program, 1-2 Years	Post-baccalaureate Certificate	Post-Master's Certificate
Business, Management, Marketing, and Related Support Services	17	30	34		6		13	
Health Professions and Related Programs	5	18	12	1	2	1	4	1
Education	2	5	22		1		4	3
Homeland Security, Law Enforcement, Firefighting, and Related Protective Service	5	5	1		1	1	1	
Liberal Arts and Sciences, General Studies and Humanities	6	7						
Computer and Information Sciences and Support Services	1	5	2				3	
Public Administration and Social Service Professions	1	2	2			1	1	
Social Sciences	1	4	3					
Parks, Recreation, Leisure and Fitness Studies		1	3				2	
Communication, Journalism, and Related Programs		4	1					
English Language and Literature/Letters		3	2					
Psychology		4	1					
Multi/Interdisciplinary Studies	1	2	1					
History		3	1					
Legal Professions and Studies			2			1		
Library Science					1	1		
Physical Sciences		2						
Transportation and Materials Moving		1	1					
Natural Resources and Conservation		1						
Engineering							1	
Mathematics and Statistics		1						
Visual and Performing Arts		1						
Total by Award	39	99	88	1	11	5	29	4

Source: National Center for Education Statistics, Integrated Postsecondary Education Data System



Source: National Center for Education Statistics, Integrated Postsecondary Education Data System

Distance education programs awarding a Bachelor's degree were the most diverse in instructional program areas, with programs offered in 19 different fields of study. Programs awarding a Master's degree were offered in 15 different fields of study, while programs awarding an Associate's degree were awarded in nine fields of study.

Distance Education is Growing

Since 2012, when distance education was first compiled by the National Center for Education Statistics, the number of distance education programs offered by New Hampshire postsecondary educational institutions has grown steadily.

There are many benefits to distance education. Distance education programs are accredited, providing students a measure of quality. Flexibility of scheduling, freedom

from restrictions of location, and the students' ability to work at their own pace have made distance education an avenue for students who otherwise might not be able to access postsecondary education. Student participation and interaction with instructors and other students is just as important to the success of a student accessing distance education as one sitting in a classroom. While distance education may not completely replace classroom education, it opens doors for lifelong learning and career success.

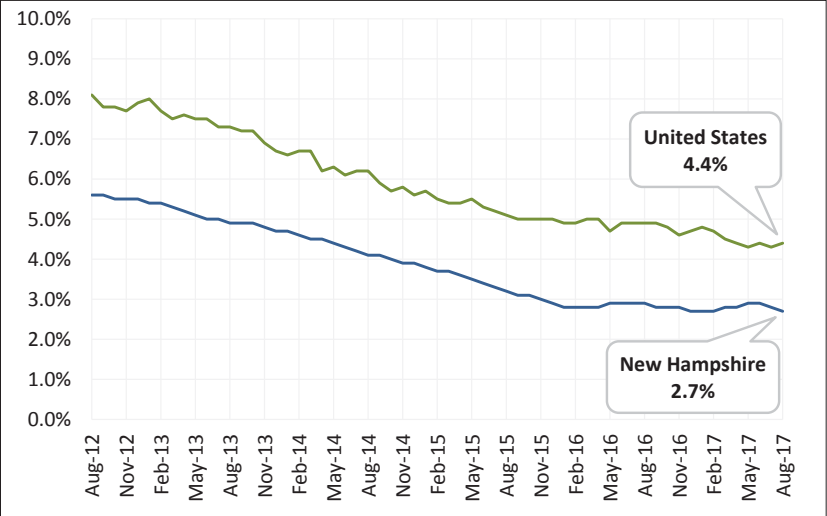
Anita Josten, Economist

Seasonally Adjusted Estimates

Unemployment Estimates by Region

Seasonally Adjusted	Aug-17	Jul-17	Aug-16
United States	4.4%	4.3%	4.9%
Northeast	4.5%	4.5%	4.8%
New England	4.0%	4.1%	3.9%
Connecticut	4.8%	5.0%	4.9%
Maine	3.8%	3.7%	4.0%
Massachusetts	4.2%	4.3%	3.4%
New Hampshire	2.7%	2.8%	2.9%
Rhode Island	4.3%	4.3%	5.3%
Vermont	3.0%	3.1%	3.2%
Mid Atlantic	4.7%	4.6%	5.1%
New Jersey	4.5%	4.2%	5.0%
New York	4.8%	4.7%	4.9%
Pennsylvania	4.9%	5.0%	5.5%

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



Current Employment Statistics (CES) by Place of Establishment

	Number of Jobs			Change From Previous	
	Aug-17	Jul-17	Aug-16	Month	Year
Total Nonfarm	684,600	680,400	670,300	4,200	14,300
Total Private	591,500	589,000	578,100	2,500	13,400
Mining and Logging	1,000	1,000	1,000	0	0
Construction	28,600	28,500	25,500	100	3,100
Manufacturing	68,500	69,000	68,100	-500	400
Durable Goods	51,700	51,900	50,800	-200	900
Non-Durable Goods	16,800	17,100	17,300	-300	-500
Trade, Transportation, and Utilities	139,900	139,300	140,500	600	-600
Wholesale Trade	28,000	28,100	27,800	-100	200
Retail Trade	94,900	94,400	96,500	500	-1,600
Transportation, Warehousing, and Utilities	17,000	16,800	16,200	200	800
Information	12,300	12,300	12,500	0	-200
Financial Activities	38,100	38,000	37,200	100	900
Financial and Insurance	30,800	30,700	30,200	100	600
Real Estate and Rental and Leasing	7,300	7,300	7,000	0	300
Professional and Business Services	80,500	80,000	78,000	500	2,500
Professional, Scientific, and Technical Services	35,000	34,400	34,100	600	900
Administrative and Support and Waste Management and Remediation Services	36,600	36,300	34,800	300	1,800
Education and Health Services	123,700	123,600	121,200	100	2,500
Educational Services	31,900	32,100	31,200	-200	700
Health Care and Social Assistance	91,800	91,500	90,000	300	1,800
Leisure and Hospitality	73,000	71,600	69,700	1,400	3,300
Arts, Entertainment, and Recreation	12,000	11,700	11,500	300	500
Accommodation and Food Services	61,000	59,900	58,200	1,100	2,800
Other Services	25,900	25,700	24,400	200	1,500
Government	93,100	91,400	92,200	1,700	900
Federal Government	7,500	7,500	7,700	0	-200
State Government	25,700	25,700	24,700	0	1,000
Local Government	59,900	58,200	59,800	1,700	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

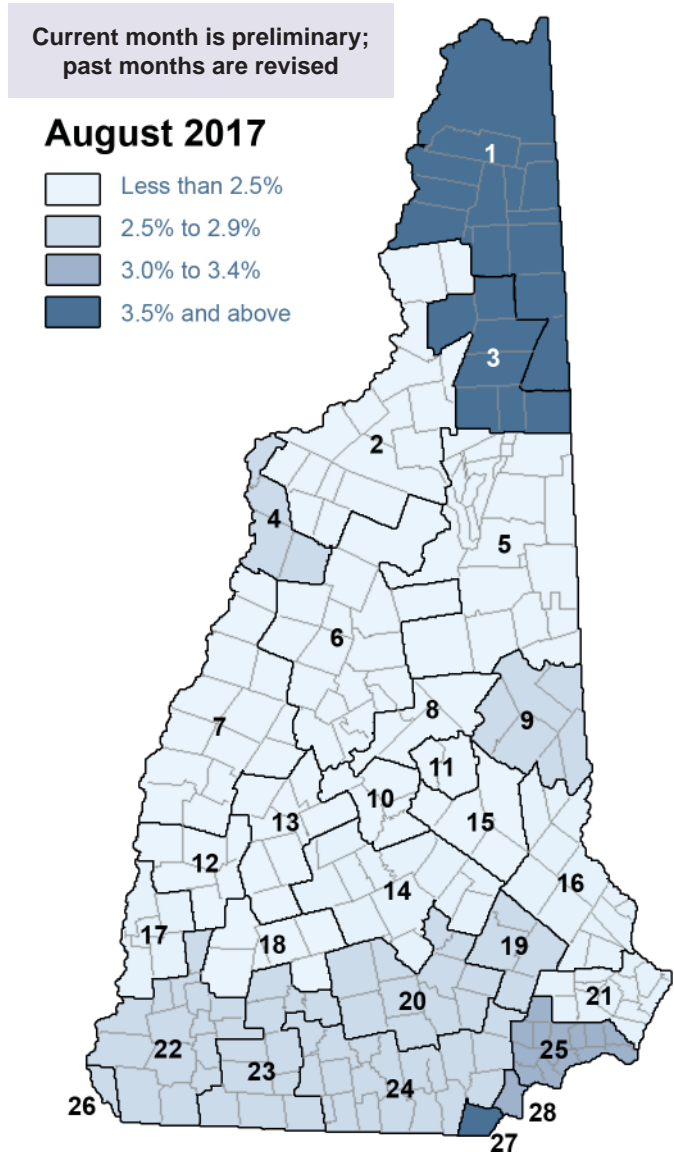
Not Seasonally Adjusted Estimates by Place of Residence

Labor Force Estimates			
New Hampshire	Aug-17	Jul-17	Aug-16
Total Civilian Labor Force	757,800	764,160	758,170
Employed	738,360	744,710	737,240
Unemployed	19,440	19,450	20,930
Unemployment Rate	2.6%	2.5%	2.8%
United States (# in thousands)	Aug-17	Jul-17	Aug-16
Total Civilian Labor Force	160,863	161,911	159,800
Employed	153,576	154,470	151,804
Unemployed	7,287	7,441	7,996
Unemployment Rate	4.5%	4.6%	5.0%

Unemployment Rates by Area			
Counties	Aug-17	Jul-17	Aug-16
Belknap	2.2%	2.2%	2.5%
Carroll	2.3%	2.2%	2.6%
Cheshire	2.5%	2.6%	2.8%
Coös	3.1%	3.1%	3.3%
Grafton	2.2%	2.2%	2.3%
Hillsborough	2.8%	2.7%	3.0%
Merrimack	2.2%	2.3%	2.5%
Rockingham	2.8%	2.7%	2.9%
Strafford	2.3%	2.3%	2.5%
Sullivan	2.1%	2.2%	2.4%

Map Key	Labor Market Areas	Aug-17	Jul-17	Aug-16
1	Colebrook, NH-VT LMA, NH Portion	3.8%	3.4%	3.8%
2	Littleton, NH-VT LMA, NH Portion	2.3%	2.4%	2.6%
3	Berlin NH Micropolitan NECTA	3.5%	3.4%	3.6%
4	Haverhill, NH LMA	2.5%	2.6%	2.6%
5	Conway, NH-ME LMA, NH Portion	2.2%	2.1%	2.4%
6	Plymouth, NH LMA	2.2%	2.2%	2.2%
7	Lebanon, NH-VT Micropolitan NECTA, NH Portion	2.0%	2.1%	2.1%
8	Meredith, NH LMA	2.2%	2.0%	2.0%
9	Wolfeboro, NH LMA	2.5%	2.5%	2.9%
10	Franklin, NH LMA	2.4%	2.4%	2.9%
11	Laconia, NH Micropolitan NECTA	2.4%	2.4%	2.6%
12	Expanded Claremont, NH estimating area	2.2%	2.3%	2.5%
13	New London, NH LMA	2.3%	2.3%	2.4%
14	Concord, NH Micropolitan NECTA	2.2%	2.1%	2.4%
15	Belmont, NH LMA	2.1%	2.1%	2.5%
16	Dover-Durham, NH-ME Metropolitan NECTA, NH Portion	2.3%	2.3%	2.5%
17	Charlestown, NH LMA	2.0%	2.0%	2.2%
18	Hillsborough, NH LMA	2.3%	2.3%	2.7%
19	Raymond, NH LMA	2.5%	2.4%	2.6%
20	Manchester, NH Metropolitan NECTA	2.6%	2.5%	2.8%
21	Portsmouth, NH-ME Metropolitan NECTA, NH Portion	2.3%	2.3%	2.4%
22	Keene, NH Micropolitan NECTA	2.6%	2.7%	2.7%
23	Peterborough, NH LMA	2.6%	2.5%	2.7%
24	Nashua, NH-MA NECTA Division, NH Portion	2.9%	2.9%	3.1%
25	Seabrook-Hampstead Area, NH Portion, Haverhill-Newburyport-Amesbury MA-NH NECTA Division	3.0%	2.9%	3.4%
26	Hinsdale Town, NH Portion, Brattleboro, VT-NH LMA	2.7%	2.7%	3.9%
27	Pelham Town, NH Portion, Lowell-Billerica-Chelmsford, MA-NH NECTA Division	3.7%	3.6%	3.9%
28	Salem Town, NH Portion, Lawrence-Metuen-Salem, MA-NH NECTA Division	3.4%	3.3%	3.4%

Unemployment Rates by Region			
Not Seasonally Adjusted	Aug-17	Jul-17	Aug-16
United States	4.5%	4.6%	5.0%
Northeast	4.6%	4.8%	4.9%
New England	3.8%	4.2%	3.9%
Connecticut	4.6%	5.0%	5.2%
Maine	3.1%	3.5%	3.3%
Massachusetts	3.7%	4.4%	3.4%
New Hampshire	2.6%	2.5%	2.8%
Rhode Island	4.2%	4.8%	5.5%
Vermont	3.0%	3.0%	3.1%
Mid Atlantic	4.9%	5.0%	5.2%
New Jersey	4.8%	4.7%	5.0%
New York	4.9%	4.9%	4.9%
Pennsylvania	5.1%	5.3%	5.9%



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.

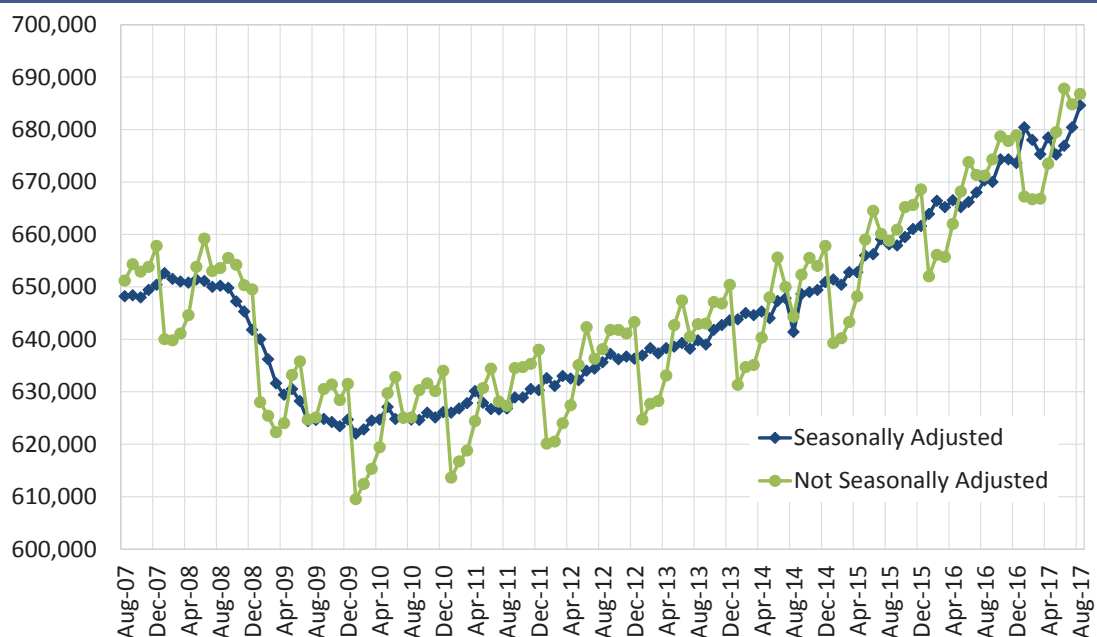
Monthly Estimates by Place of Establishment

New Hampshire Nonfarm Employment Statewide Not Seasonally Adjusted

**Current month is preliminary;
past months are revised**

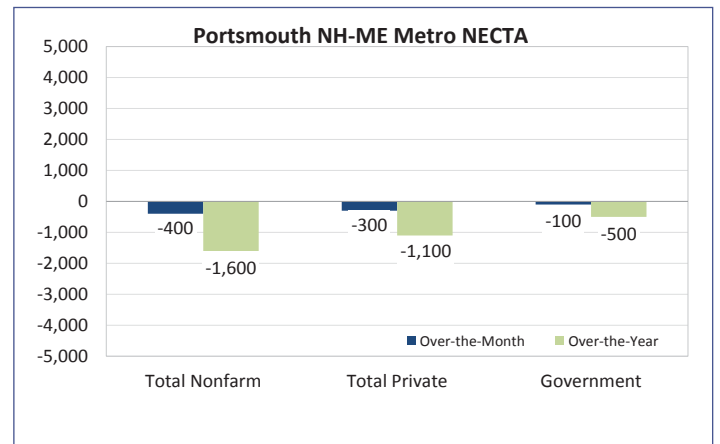
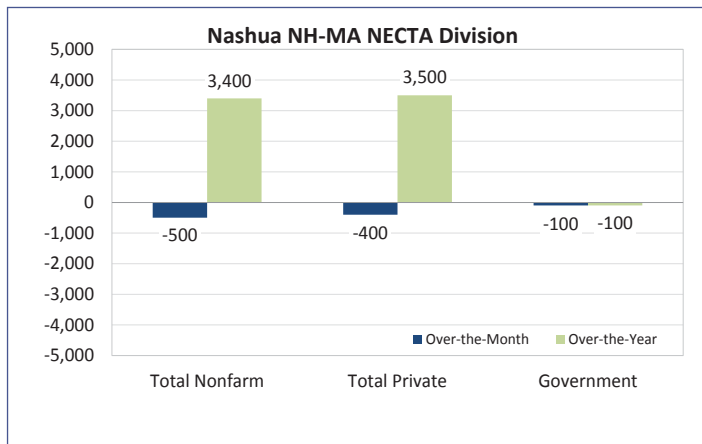
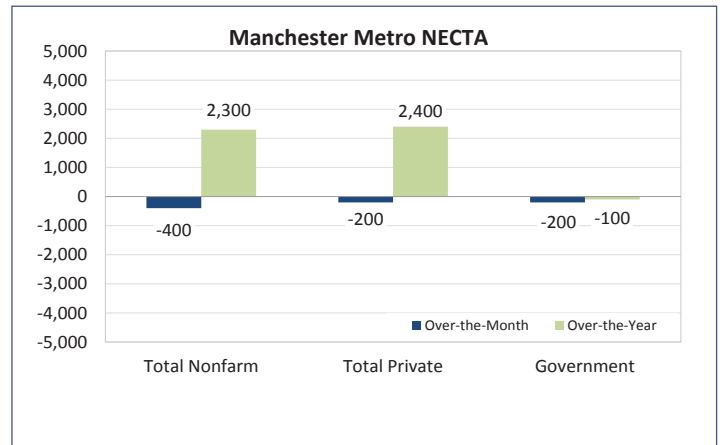
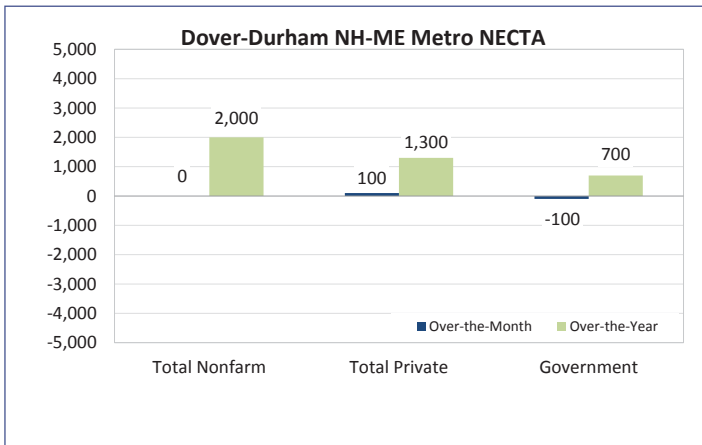
	Number of Jobs			Change From Previous	
	Aug-17	Jul-17	Aug-16	Month	Year
Total Nonfarm	686,800	684,800	671,200	2,000	15,600
Total Private	607,200	606,000	592,000	1,200	15,200
Mining and Logging	1,100	1,100	1,100	0	0
Construction	29,900	30,200	26,700	-300	3,200
Manufacturing	69,000	69,000	68,700	0	300
Durable Goods	52,100	52,100	51,200	0	900
Non-Durable Goods	16,900	16,900	17,500	0	-600
Trade, Transportation, and Utilities	141,500	141,300	140,900	200	600
Wholesale Trade	28,300	28,300	28,000	0	300
Retail Trade	96,200	96,400	97,300	-200	-1,100
Transportation, Warehousing, and Utilities	17,000	16,600	15,600	400	1,400
Information	12,400	12,400	12,600	0	-200
Financial Activities	38,900	38,900	37,800	0	1,100
Professional and Business Services	81,500	81,000	79,100	500	2,400
Education and Health Services	121,300	121,900	119,600	-600	1,700
Leisure and Hospitality	85,400	84,000	80,500	1,400	4,900
Other Services	26,200	26,200	25,000	0	1,200
Government	79,600	78,800	79,200	800	400
Federal Government	7,500	7,500	7,700	0	-200
State Government	22,700	22,900	21,800	-200	900
Local Government	49,400	48,400	49,700	1,000	-300

Total Nonfarm Employment Trend through August 2017

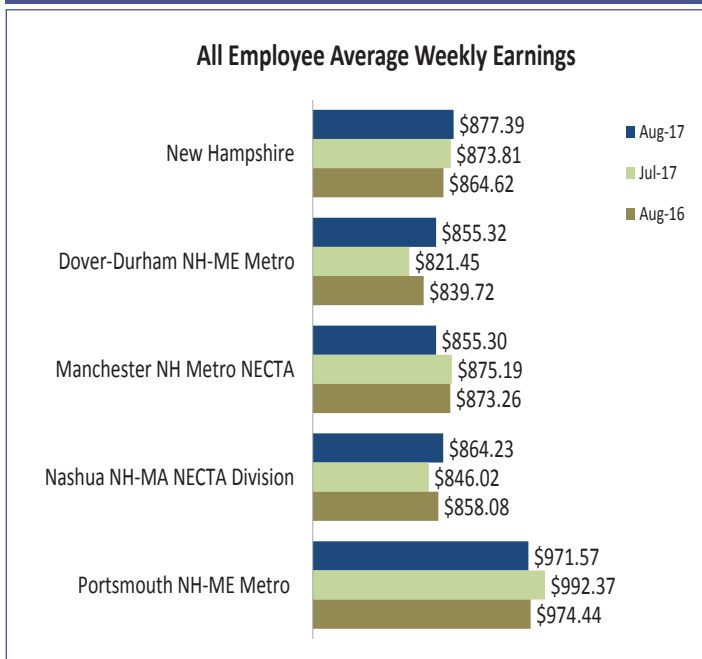


Not Seasonally Adjusted Estimates by Place of Establishment

Nonfarm Employment by Metropolitan Statistical Areas - August 2017



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:

Total Nonfarm employment increased by 4,200 jobs in August, according to preliminary seasonally adjusted estimates.

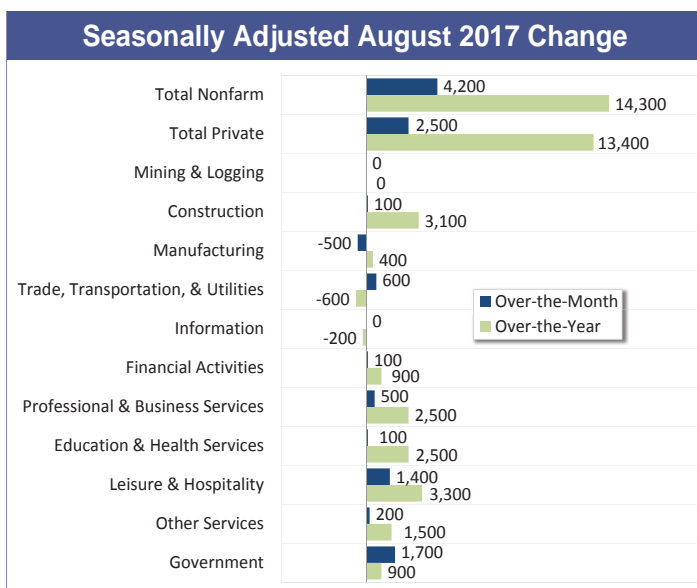
The supersector with the largest over-the-month increase in employment was Government, gaining 1,700 jobs. *Leisure and Hospitality* added 1,400 jobs, while *Trade, Transportation, and Utilities* expanded payrolls by 600 positions over-the-month. *Professional and Business Services* experienced over-the-month employment gains of 500 jobs, and *Other Services* added 200 jobs from the July. *Construction, Financial Activities, and Private Education and Health Services* each added 100 positions over-the-month.

One supersector experienced an employment decline from July to August. *Manufacturing* employment fell by 500 jobs over-the-month.

Total seasonally adjusted Nonfarm employment increased 14,300 jobs from August 2016 to August 2017. *Leisure and Hospitality* and *Construction* posted the largest gains, adding 3,300 and 3,100 jobs, respectively. *Professional and Business Services* and *Private Education and Health Services*, each added 2,500 jobs over-the-year, and *Other Services* expanded by 1,500 jobs from August 2016. *Government* and *Financial Activities* each added 900 jobs over-the-year, and *Manufacturing* expanded 400 jobs from August 2016.

Two supersectors experienced employment contractions from August 2016 to August 2017. *Trade, Transportation, and Utilities* employment decreased 600 jobs, while *Information* lost 200 jobs over-the-year.

Changes in seasonally adjusted data reflect underlying economic changes and allow for the comparison of different time periods.



Unadjusted:

Preliminary unadjusted estimates for August show that Total Nonfarm employment increased 2,000 jobs over-the-month. A gain of 1,400 jobs from July in *Leisure and Hospitality* was the primary cause for this increase. *Government* employment expanded by 800 jobs over-the month, while *Professional and Business Services* added 500 jobs from July. *Trade, Transportation, and Utilities* employment grew by 200 positions from July to August.

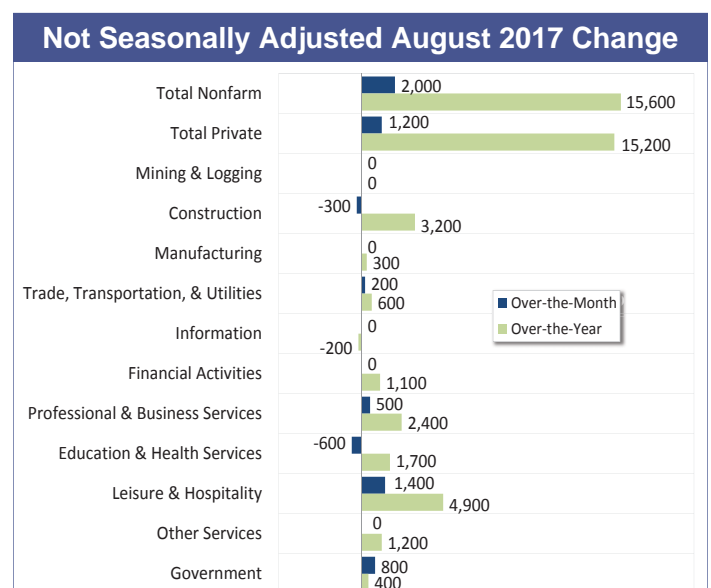
Two supersectors lost jobs over-the-month. *Private Education and Health Services* employment declined by 600 positions, and *Construction* shed 300 jobs from July.

Total Nonfarm employment gained 15,600 jobs over-the-year, led by an increase of 4,900 jobs in *Leisure and Hospitality*. *Construction* added the second largest number of jobs, up 3,200 positions from August 2016. *Professional and Business Services* followed with an additional 2,400 workers over-the-year, and *Private Education and Health Services* payrolls expanded by 1,700 from August 2016 to August 2017. *Other Services* employment expanded by 1,200 jobs from August 2016, while *Financial Activities* experienced an over-the-year gain of 1,100 jobs. *Trade, Transportation, and Utilities* gained 600 jobs from August 2016, and *Government* and *Manufacturing* added 400 and 300 positions over-the year respectively.

The only supersector experiencing an employment decrease over-the-year was *Information*, dropping 200 jobs from August 2016.

Changes in not seasonally adjusted data are due to seasonal patterns in hiring, as well as underlying economic changes.

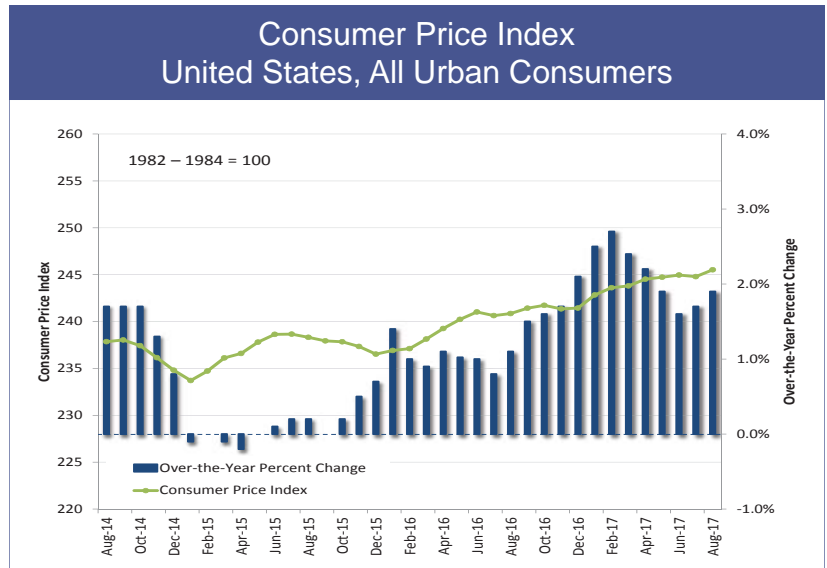
Ellie Goodbread, Research Analyst



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)				
			Change From Previous	
Aug-17	Jul-17	Aug-16	Month	Year
245.519	244.786	240.849	0.3%	1.9%

Northeast, All Urban Consumers Not Seasonally Adjusted (CPI-U) (1982-1984=100)				
			Change From Previous	
Aug-17	Jul-17	Aug-16	Month	Year
259.508	258.833	255.545	0.3%	1.6%



Unemployment Compensation Claims Activity						
	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17
Initial Claims	2,713	2,701	2,350	2,778	2,437	2,254
Continued Weeks Claimed	20,268	17,967	15,424	13,880	18,434	16,454
Average payment for a week of unemployment	\$316.35	\$321.94	\$325.76	\$338.97	\$319.43	\$320.74

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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Nashua 882-5177	Portsmouth 436-3702
Salem 893-9185	Somersworth 742-3600

Claims calls: 1-800-266-2252

New Hampshire Employment Security
Economic and Labor Market Information Bureau

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Current Employment Statistics 228-4175
Local Area Unemployment Statistics 228-4167
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