

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/>.