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# Career Search by Title

Salary Range **Education Level** School Type - Any -- Any -- Any -

Acupuncturist Athletic Trainer **Behavior Specialist Biomedical Engineer** Biostatistician Child Care Health Advocate Clinical Lab Technician Clinical Lab Technologist Community Health Worker Cytotechnologist **Dental Assistant Dental Hygienist Dental Laboratory Technician** 

Dietetic Technician, Registered

**Direct Support Professional** Dosimetrist Electroneurodiagnostic Technician **Electronic Health Records** Specialist **Emergency Medical Dispatcher** 

EMT/Paramedic Health Care Administrator Health Educator

Health Information Management Health Information Technician Health Unit Coordinator Home Health Aide Industrial Hygienist Licensed Nursing Assistant (LNA) Licensed Practical Nurse (LPN) Massage Therapist Medical Administrative Assistant Medical Assistant Medical Billing/Coding Specialist **Medical Interpretation** Medical Office Manager

**Medical Secretary** 

Medical Technologist **Medical Transcriptionist Medication Nurse Assistant** Mental Health Caseworker

**Nuclear Medicine Technician** 

Nurse Midwife Nutritionist Occupational Therapy Assistant Orthopedic Technician Orthotist/Prothetist Perfusionist Personal Care Assistant Pharmacy Technician **Phlebotomist** Physical Therapy Assistant Physician's Assistant **Psychiatric Nurse Radiation Therapist** Radiologic Technologist **Recovery Support Worker** Registered Nurse (Associates Degree) Registered Nurse (Bachelors Degree) Registered Nurse Anesthetist Research Scientist Social Worker Sonographer

Speech-Language Pathology **Assistant** Substance Abuse Counselor Surgical Technologist Therapeutic Recreation Specialist

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### Find a Health Career

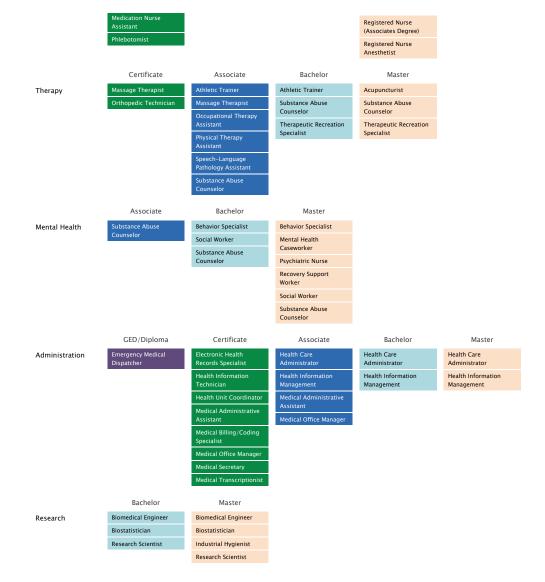
Below is a guide map for planning your New Hampshire health care career. Here you can see how jobs in different health fields are related and plan for future career steps across all of the New Hampshire health care sectors.

These jobs are categorized by the group headings. The color coding relates to what level of education is required for each position, beginning with a GED or high school diploma, all the way up to a Medical Degree.

The two search functions allow you to search this database:

- Find Your Career is an individualized search designed specifically for students and HPOP participants, helping align skills and goals with ideal jobs.
- Career Search by Title allows all users to search the database through broad search terms

Career Search b	by Title allows all users to	search the database throu	igh broad search terms.			
	GED/Diploma	Certificate	Associate	Bachelor	Master	
Patient Support	Direct Support Professional Home Health Aide Medical Interpretation Personal Care Assistant	Medical Interpretation Medication Nurse Assistant	Athletic Trainer Dietetic Technician, Registered Medical Interpretation	Athletic Trainer  Behavior Specialist  Community Health Worker  Health Educator  Medical Interpretation  Nutritionist  Social Worker	Behavior Specialist Child Care Health Advocate Community Health Worker Health Educator Industrial Hygienist Nutritionist	
	GED (D) 1	G 115 1			Recovery Support Worker Social Worker	NO 101 0
	GED/Diploma	Certificate	Associate	Bachelor	Master	MD/PhD
Medical Support	Direct Support Professional EMT/Paramedic Home Health Aide Personal Care Assistant	EMT/Paramedic Health Information Technician Licensed Nursing Assistant (LNA) Medical Assistant Medication Nurse Assistant Orthopedic Technician Phlebatomist Radiation Therapist Sonographer	Dietetic Technician, Registered EMT/Paramedic Licensed Practical Nurse (LPN) Medical Assistant Radiation Therapist Radiologic Technologist Surgical Technologist	Nutritionist  Registered Nurse (Bachelors Degree)	Nurse Midwife Nutritionist Physician's Assistant Psychiatric Nurse Registered Nurse (Associates Degree) Registered Nurse Anesthetist	Orthotist/Prothetist
Technology	GED/Diploma  Electroneurodiagnostic Technician  Nuclear Medicine Technician  Pharmacy Technician	Certificate Health Information Technician Radiation Therapist Sonographer	Associate  Clinical Lab Technician  Clinical Lab Technologist  Cytotechnologist  Medical Technologist  Radiation Therapist  Radiologic Technologist  Surgical Technologist	Master Registered Nurse Anesthetist	MD/PhD  Dosimetrist  Orthotist/Prothetist  Perfusionist	
Dental	GED/Diploma  Dental Laboratory Technician	Certificate  Dental Assistant	Associate  Dental Hygienist	Bachelor  Dental Hygienist		
Nursing	Certificate Licensed Nursing Assistant (LNA)	Associate  Licensed Practical Nurse (LPN)	Bachelor  Registered Nurse (Bachelors Degree)	Master Nurse Midwife Psychiatric Nurse		



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# Acupuncturist

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The term "acupuncture" describes a family of procedures involving the stimulation of anatomical points on the body using a variety of techniques. The acupuncture technique that has been most often studied scientifically involves penetrating the skin with thin, solid, metallic needles that are manipulated by the hands or by electrical stimulation.

Practiced in China and other Asian countries for thousands of years, acupuncture is one of the key components of traditional Chinese medicine. In TCM, the body is seen as a delicate balance of two opposing and inseparable forces: yin and yang. Yin represents the cold, slow, or passive principle, while yang represents the hot, excited, or active principle. According to TCM, health is achieved by maintaining the body in a "balanced state"; disease is due to an internal imbalance of yin and yang. This imbalance leads to blockage in the flow of qi (vital energy) along pathways known as meridians. Qi can be unblocked, according to TCM, by using acupuncture at certain points on the body that connect with these meridians. Sources vary on the number of meridians, with numbers ranging from 14 to 20. One commonly cited source describes meridians as 14 main channels "connecting the body in a web-like interconnecting matrix" of at least 2,000 acupuncture points.

#### Tasks include:

- Insert needles to provide acupuncture treatment.
- Maintain and follow standard quality, safety, environmental and infection control policies and procedures.
- Adhere to local, state and federal laws, regulations and statutes.
- Identify correct anatomical and proportional point locations based on patients' anatomy and positions, contraindications, and precautions related to treatments such as intradermal needles, moxibution, electricity, guasha, and bleeding.
- Maintain detailed and complete records of health care plans and prognoses.
- Analyze physical findings and medical histories to make diagnoses according to Oriental medicine traditions.
- Treat patients using tools such as needles, cups, ear balls, seeds, pellets, and nutritional supplements.
- Develop individual treatment plans and strategies.
- Evaluate treatment outcomes and recommend new or altered treatments as necessary to further promote, restore, or maintain health.
- Collect medical histories and general health and life style information from patients.

More Information: http://nccam.nih.gov/health/acupuncture/introduction.htm

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010:220Number of Projected Jobs 2020:264Jobs Percentage Change:20.0%Total Annual Openings:8

Growth Outlook: Very Favorable

 June 2013 Entry Level Wage:
 \$23.41

 June 2013 Mean Wage:
 \$34.35

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June 2013 Experienced Wage: \$40.19
Salary Range: \$80,000+

### **Education Requirements:**

Programs:

School: New England School of Acupuncture (MA)

Program: Acupuncture Science

Time to Complete: 2 years
Education Levels: Master

School Type: Out of State School

#### License and Certification Requirements:

Coding Certification Required:YesCoding License Required:YesCertification(s) Required:Yes

List of Required Certifications: National Certification Commission for Acupuncture and Oriental

Medicine (NCCAOM) - Certification in Acupuncture

Certifying Body: National Certification Commission for Acupuncture and Oriental

Medicine (NCCAOM)

Certification Requirements: To be certified, you must pass three examinations: Foundations

of Oriental Medicine; Acupuncture with Point Location, and Biomedicine. Completion of an academic program or

apprenticeship in acupuncture is required to be eligible to take the exams. You must also complete the CCAOM Clean Needle

Technique (CNT) course.

License Required: Yes

Licensing Body/Regulatory Agency:

License Requirements:

New Hampshire Board of Acupuncture Licensing (NHBAL)

To be licensed, you must have current, active National

Certification Commission for Acupuncture and Oriental Medicine (NCCAOM) certification; hold a baccalaureate, Registered Nurse, or Physician Assistant Degree from an accredited institution or meet the waiver requirements spelled out in the Application for Waiver of Degree form, and pay the required fees and file the

official licensure application.

#### Career Categories:

Types of Work: Therapy

Workplace Environment: Private Medical Practice or Private Company

Types of Interaction: Direct Patient Interaction

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# Athletic Trainer

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Athletic trainers specialize in preventing, diagnosing, and treating muscle and bone injuries and illnesses. They work with people of all ages and all skill levels, from young children to soldiers and professional athletes. They work under the direction of a physician, as well as other healthcare providers.

Athletic trainers typically do the following:

- · Apply protective or injury-preventive devices such as tape, bandages, and braces
- · Recognize and evaluate injuries
- Provide first aid or emergency care
- Develop and carry out rehabilitation programs for injured athletes
- Plan and implement comprehensive programs to prevent injury and illness from athletics
- Do administrative tasks, such as keeping records and writing reports on injuries and treatment programs

Athletic trainers are usually one of the first healthcare providers on the scene when injuries occur. Athletic trainers work under the direction of a licensed physician and with other healthcare providers. They often discuss specific injuries and treatment options or evaluate and treat patients as directed by a physician. Some athletic trainers meet with a team physician or consulting physician regularly. An athletic trainer's administrative responsibilities may include regular meetings with an athletic director or other administrative officer to deal with budgets, purchasing, policy implementation, and other business-related issues.

Athletic trainers should not be confused with fitness trainers and instructors, including personal trainers.

More Information: http://www.bls.gov/ooh/healthcare/athletic-trainers.htm

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 106 Number of Projected Jobs 2020: 133 Jobs Percentage Change: 25.5% Total Annual Openings: 6

Growth Outlook: Very Favorable
June 2013 Entry Level Wage: \$21.46
June 2013 Mean Wage: \$31.90

*Salary Range:* \$60,000 - \$80,000

\$37.12

#### **Education Requirements:**

June 2013 Experienced Wage:

Programs:

School: Colby-Sawyer College Program: Athletic Training

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Time to Complete: 4 years
Education Levels: Bachelor

School: Colby-Sawyer College Program: Exercise Science

Time to Complete: 4 years
Education Levels: Bachelor

School: Manchester CC
Program: Exercise Science

Time to Complete: 2 years
Education Levels: Associate

School Type: New Hampshire Community College

School: New England College

Program:KinesiologyTime to Complete:4 yearsEducation Levels:Bachelor

School: Plymouth State University
Program: Exercise and Sport Physiology

Time to Complete: 4 years
Education Levels: Bachelor

#### License and Certification Requirements:

Coding Certification Required: Yes
Coding License Required: Yes
Certification(s) Required: Yes

List of Required Certifications: BOC Certified Athletic Trainer

Certifying Body: Board of Certification for the Athletic Trainer (BOCATC)

Certification Requirements: To be certified, you must pass the certification examination. A

Bachelor's degree is required to take the exam.

License Required: Yes

Licensing Body/Regulatory Agency:

License Requirements: To be licensed, yo

New Hampshire Office of Licensed Allied Health Professionals
To be licensed, you must be certified by the Board of Certification

for the Athletic Trainer (BOCATC).

### Career Categories:

Types of Work: Patient Support Therapy

Workplace Environment: Private Medical Practice or Private Company

School or Institution

Types of Interaction: Direct Patient Interaction

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# **Behavior Specialist**

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Specialists in the field of behavioral science may work as community counselors, family counselors, substance abuse counselors, researchers, doctors and more. Aspiring behavioral specialists might consider enrolling in a Master of Science or Doctor of Philosophy in Behavioral Science program.

More Information: http://education-portal.com/articles/Behavioral\_Specialist\_Certification\_and\_Deg...

#### Career Outlook:

Career Outlook data applies to the entire United States, not just New Hampshire.

Number of Jobs 2010:662Number of Projected Jobs 2020:835Jobs Percentage Change:26.1%Total Annual Openings:316

### **Education Requirements:**

Programs:

Education Levels: Bachelor

Education Levels: Master

There are several educational paths to obtaining this job. Please consult your Case Manager for specific details about these opportunities.

#### License and Certification Requirements:

Coding Certification Required: Optional Coding License Required: No

Major Optional Certifications:

Board Certified Behavior Analyst

Certifying Body:

Behavior Analyst Certification Board

#### Career Categories:

Types of Work: Patient Support Mental Health

Workplace Environment: Community-Based Setting or Patients' Homes

Private Medical Practice or Private Company

Types of Interaction: Direct Patient Interaction

Independently

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# **Biomedical Engineer**

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Biomedical engineers typically do the following:

- Design systems and products, such as artificial organs, artificial devices that replace body parts, and machines for diagnosing medical problems.
- Install, adjust, maintain, repair, or provide technical support for biomedical equipment
- Evaluate the safety, efficiency, and effectiveness of biomedical equipment
- Train clinicians and other personnel on the proper use of equipment
- Work with life scientists, chemists, and medical scientists to research the engineering aspects of biological systems of humans and animals

Biomedical engineers may design instruments, devices, and software; bring together knowledge from many technical sources to develop new procedures; or conduct research needed to solve clinical problems.

They often serve a coordinating function, using their background in both engineering and medicine. In industry, they may create products where an in-depth understanding of living systems and technology is essential. They frequently work in research and development or in quality assurance.

Biomedical engineers design electrical circuits, software to run medical equipment, or computer simulations to test new drug therapies. They also design and build artificial body parts to replace injured limbs. In some cases, they develop the materials needed to make the replacement body parts. They also design rehabilitative exercise equipment.

The work of these engineers spans many professional fields. For example, although their expertise is based in engineering and biology, they often design computer software to run complicated instruments, such as three-dimensional x-ray machines. Alternatively, many of these engineers use their knowledge of chemistry and biology to develop new drug therapies. Others draw heavily on mathematics and statistics to build models to understand the signals transmitted by the brain or heart.

More Information: http://www.bls.gov/ooh/architecture-and-engineering/biomedical-engineers.htm

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 48

Number of Projected Jobs 2020: 76

Jobs Percentage Change: 58.3%

Total Annual Openings: 4

Growth Outlook: Favorable
June 2013 Entry Level Wage: \$24.54
June 2013 Mean Wage: \$42.78
June 2013 Experienced Wage: \$51.91
Salary Range: \$80,000+

# Education Requirements:

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#### Programs:

Education Levels: Bachelor

Education Levels: Master

There are several educational paths to obtaining this job. Please consult your Case Manager for specific details about these opportunities.

#### License and Certification Requirements:

Coding Certification Required:NoCoding License Required:OptionalLicense Required:No

Licensing Body/Regulatory Agency: New Hampshire Board of Licensure for Professional Engineers

#### Career Categories:

Types of Work: Research

Workplace Environment: Laboratory

Private Medical Practice or Private Company

Types of Interaction: Independently

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# Biostatistician

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Biostatisticians may work on healthcare-related topics in the public or private sector. This may include performing research for a government agency or setting the statistical parameters for a new study by a pharmaceutical company. Work generally takes place in an office setting, but may extend into the field.

Daily duties for research or pharmaceutical biostatisticians may include analyzing genetic data and disease occurrence. This information may be used in developing clinical trials to assess drug treatments. Academic and government biostatisticians may review data of populations exposed to environmental chemicals and conditions to understand the risks and effects. For example, they may be required to analyze the impact of oil spills on the environment.

A bachelor's degree is sufficient for entering the field of biostatistics; however, the U.S. Bureau of Labor Statistics (BLS) notes that advanced work typically requires a Master of Science (M.S.) or Doctor of Philosophy (Ph.D.) in Biostatistics, Mathematics or Statistics (*www.bls.gov*). Aspiring biostatisticians attending a school that doesn't offer a biostatistics undergraduate degree, may consider completing a bachelor's degree program in statistics or applied mathematics. Programs may include coursework in developing population samples, computer modeling and data analysis.

M.S. and Ph.D. curriculum generally offer more specific and advanced courses including the design and completion of a biomedical study. Students may be required to outline their methods and present their study findings.

More Information: http://education-portal.com/articles/Biostatistician\_Job\_Description\_and\_Info\_Ab...

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010:67Number of Projected Jobs 2020:82Jobs Percentage Change:22.4%Total Annual Openings:3

Growth Outlook: Favorable

#### **Education Requirements:**

Programs:

Education Levels: Bachelor

Education Levels: Master

There are several educational paths to obtaining this job. Please consult your Case Manager for specific details about these opportunities.

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### License and Certification Requirements:

Coding Certification Required:NoCoding License Required:NoCertification(s) Required:No

### Career Categories:

Types of Work: Research

Workplace Environment: Laboratory

School or Institution

Types of Interaction: Independently

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# Child Care Health Advocate

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The basic role of the Child Care Health Advocate (CCHA) is to be the on-site coordinator for health and safety issues. They typically operate within early care and education programs (ECE). If the ECE program has a Child Care Health Consultant (CCHC), the CCHA will serve as a link between the ECE staff and the CCHC to identify and prioritize areas to be evaluated or improved. The CCHA works with the CCHC to promote health and safety in the ECE program on a daily basis. Since the CCHC may be responsible for many ECE programs and is not on-site daily, the CCHA can provide this daily consistency for the ECE program and provide needed resources and referrals.

According to Healthy Child Care America, the CCHA is responsible for making sure that each family has a medical home (a consistent place where medical care is received such as a doctor's office), adequate insurance coverage, and access to health and dental care. The CCHA also assesses the immunization and health screening status of children, links families with resources to obtain those services, makes sure the ECE program follows regulations and standards, and works to decrease the occurrence of infectious disease and injury. CCHAs will work with the CCHC to develop tracking and monitoring systems for health and safety improvements.

In addition, the CCHA will help develop parent workshops, newsletters and bulletin boards that focus on health and safety to encourage families to become more involved in their children's health care. Children with disabilities and other special needs will require special care plans, and the CCHA can help families get the services and documents they need for a safe and successful child care experience.

#### More Information:

http://www.ucsfchildcarehealth.org/pdfs/Curricula/CCHA/2\_CCHA\_RoleofCCHA\_0606.pd...

Master

#### Career Outlook:

No New Hampshire State or Federal data is available for this position.

#### **Education Requirements:**

Programs:

Education Levels:

There are several educational paths to obtaining this job. Please consult your Case Manager for specific details about these opportunities.

#### License and Certification Requirements:

Coding Certification Required: No Coding License Required: No

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### Career Categories:

Types of Work: Patient Support

Workplace Environment: Community-Based Setting or Patients' Homes

School or Institution

Types of Interaction: Direct Patient Interaction

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# Clinical Lab Technician

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Medical laboratory technicians usually work under the supervision of medical laboratory technologists or laboratory managers. Technicians perform tests and procedures that physicians or other healthcare personnel order.

More Information: http://www.bls.gov/ooh/healthcare/medical-and-clinical-laboratory-technologists-...

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#### Career Outlook:

Career Outlook data applies to the entire United States, not just New Hampshire.

Number of Jobs 2010: 331 Number of Projected Jobs 2020: 374 Jobs Percentage Change: 13.0% 107 Total Annual Openings:

### **Education Requirements:**

Programs:

School: River Valley CC Program: Medical Lab Tech

Time to Complete: 2 years Education Levels: Associate

School Type: New Hampshire Community College

#### License and Certification Requirements:

Coding Certification Required: Optional Coding License Required: No Certification(s) Required:

Certifying Body: American Society for Clinical Pathology

American Medical Technologist

#### Career Categories:

Types of Work:

Technology

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# Clinical Lab Technologist

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Medical laboratory technologists perform complex tests and procedures, and they typically supervise technicians. Medical laboratory technologists typically do the following:

- · Analyze body fluids such as blood, urine, and tissue samples to determine normal or abnormal findings
- Collect and study blood samples for use in transfusions by identifying the number of cells, the cell
  morphology or the blood group, blood type, and compatibility with other blood types
- · Operate sophisticated laboratory equipment such as microscopes and cell counters
- Use automated equipment and computerized instruments capable of performing a number of tests at the same time
- Log data from medical tests and enter results into a patient's medical record
- Discuss results and findings of laboratory tests and procedures with physicians
- · Supervise or train medical laboratory technicians

Technologists perform tests and procedures that physicians or other healthcare personnel order. They also perform more complex tests and laboratory procedures than technicians do. For example, technologists may prepare specimens and operate automated analyzers or perform manual tests that are based on detailed instructions.

Technologists in small laboratories perform many types of tests; in large laboratories, they generally specialize.

More Information: http://www.bls.gov/ooh/healthcare/medical-and-clinical-laboratory-technologists-...

#### Career Outlook:

Career Outlook data applies to the entire United States, not just New Hampshire.

Number of Jobs 2010: 331
Number of Projected Jobs 2020: 374
Jobs Percentage Change: 13.0%
Total Annual Openings: 107

#### **Education Requirements:**

Programs:

School: River Valley CC Program: Medical Lab Tech

Time to Complete: 2 years
Education Levels: Associate

School Type: New Hampshire Community College

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#### License and Certification Requirements:

Coding Certification Required:OptionalCoding License Required:NoCertification(s) Required:No

Certifying Body: American Society for Clinical Pathology

American Medical Technologist

Career Categories:

Types of Work: Technology

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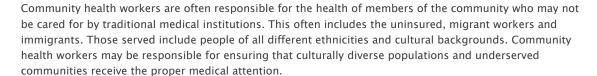
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# Community Health Worker

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Community health workers may be lay members of the community rather than trained medical personnel and work for pay or as volunteers. Those that work in this field may go by many different titles, including community health adviser, health advocate, community health representative, health promoter or health educator. Community health workers often provide some basic direct services as well, such as first aid and some types of health screening.

Primary responsibilities of community health workers may include treating minor illnesses, looking after pregnant women and caring for children. Additional duties may involve family planning services, promotion of sanitation and hygiene, screening for communicable diseases, performing health education activities, collecting statistics, maintaining records and providing health care referrals.

Education requirements for community health workers vary depending on their employer. Community health workers must have some post-secondary education. Generally, a bachelor's degree is required, and employers normally look for those who are able to speak the language of the community they will serve. In some cases this means that community health workers must be bilingual. Many times, community health workers are required to undergo post-hire training between nine and 100 hours through coursework, continuing education or mentoring.

More Information: http://education-portal.com/articles/Community\_Health\_Worker\_Job\_Description\_Dut...

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

# Education Requirements:

Programs:

Education Levels:

Bachelor

Education Levels:

Master

There are several educational paths to obtaining this job. Please consult your Case Manager for specific details about these opportunities.

#### License and Certification Requirements:

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Coding Certification Required: No Coding License Required: No

Career Categories:

Types of Work: Patient Support

Workplace Environment: Community-Based Setting or Patients' Homes

Types of Interaction:

Direct Patient Interaction
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# Cytotechnologist

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Cytotechnologists prepare slides of body cells and examine these cells with a microscope for abnormalities that may signal the beginning of a cancerous growth. Cytotechnologists are a type of medical laboratory technologist.

More Information: http://www.bls.gov/ooh/healthcare/medical-and-clinical-laboratory-technologists-...

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 518 535 Number of Projected Jobs 2020: Jobs Percentage Change: 3.3% Total Annual Openings: 12

Growth Outlook: Less Favorable June 2013 Entry Level Wage: \$22.94 June 2013 Mean Wage: \$29.46 June 2013 Experienced Wage: \$32.71

Salary Range: \$40,000 - \$60,000

**Education Requirements:** 

Programs:

School: River Valley CC Program: Medical Lab Tech

Time to Complete: 2 years Education Levels: Associate

School Type: New Hampshire Community College

#### License and Certification Requirements:

Coding Certification Required: Optional Coding License Required: No Certification(s) Required: Nο

Major Optional Certifications: American Society for Clinical Pathology (ASCP) Board of

Certification (BOC)

Certifying Body: American Society for Clinical Pathology (ASCP)

License Required: No

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### Career Categories:

Types of Work: Technology

Workplace Environment: Laboratory Types of Interaction: Independently

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# Dental Assistant

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A dental assistant in the state of New Hampshire may perform basic supportive dental procedures specified by the state dental practice act (see below) under the direct or general supervision of a licensed dentist. There are no education or training requirements for this level of dental assisting.

Diagnosis, treatment planning, and prescriptions (including prescriptions for drugs and medicaments or authorization for restorative prosthodontic, or orthodontic appliances); surgical procedures on hard or soft tissues within the oral cavity; or any other intra-oral procedure that contributes to, or results in, an irremediable alteration of the oral anatomy Dental assistants who hold the national DANB Certified Dental Assistant (CDA) Certification are qualified in the state of New Hampshire to perform the functions listed on the opposite page. \*Dental assistants in the state of New Hampshire can earn status as a Graduate Dental Assistant by graduating from a CODA-accredited program of dental assisting.

More Information: http://www.danb.org/PDFs/Charts/NewHampshire.pdf

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#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 1,531 Number of Projected Jobs 2020: 1,849 Jobs Percentage Change: 20.8% Total Annual Openings: 64

Growth Outlook: Very Favorable

 June 2013 Entry Level Wage:
 \$32.62

 June 2013 Mean Wage:
 \$37.49

 June 2013 Experienced Wage:
 \$39.93

 Salary Range:
 \$80,000+

#### **Education Requirements:**

Programs:

School: NHTI-Concord CC
Program: Dental Assisting

Time to Complete: 1 year Education Levels: Certificate

School Type: New Hampshire Community College

#### License and Certification Requirements:

Coding Certification Required: Optional Coding License Required: No

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Certification(s) Required: No

Major Optional Certifications: Certified Dental Assistants
Graduate Dental Assistants

Certifying Body: Dental Assisting National Board, Inc.

Career Categories:

Types of Work: Dental

Workplace Environment: Private Medical Practice or Private Company

Types of Interaction: Direct Patient Interaction

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# **Dental Hygienist**

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Dental hygienists are preventive oral health professionals who have graduated from an accredited dental hygiene program in an institution of higher education, licensed in dental hygiene to provide educational, clinical, research, administrative, and therapeutic services supporting total health through the promotion of optimum oral health.

In performing the dental hygiene process of care, the dental hygienist assesses the patient's oral tissues and overall health determining the presence or absence of disease, other abnormalities and disease risks; develops a dental hygiene diagnosis based on clinical findings; formulates evidence-based, patient-centered treatment care plans; performs the clinical procedures outlined in the treatment care plan; educates patients regarding oral hygiene and preventive oral care; and evaluates the outcomes of educational strategies and clinical procedures provided.

Clinical procedures provided typically include removal of plaque, calculus, and stains from the teeth, exposing and processing dental X-rays, applying cavity-preventive agents, such as fluorides and pit and fissure sealants, and administering antimicrobial agents. In some states, they also administer local anesthetics and nitrous oxide; place and carve filling materials, temporary fillings, and periodontal dressings; remove sutures; perform root-planing as a periodontal therapy; and smooth and polish restorations. In addition, they can provide clinical and laboratory diagnostic tests for interpretation by other health professionals.

More Information: http://explorehealthcareers.org/documents/document/195

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010:1,172Number of Projected Jobs 2020:1,483Jobs Percentage Change:26.5%Total Annual Openings:55

Growth Outlook: Very Favorable

 June 2013 Entry Level Wage:
 \$32.62

 June 2013 Mean Wage:
 \$37.49

 June 2013 Experienced Wage:
 \$39.93

*Salary Range:* \$60,000 - \$80,000

### **Education Requirements:**

Programs:

School: NHTI-Concord CC
Program: Dental Hygiene
Time to Complete: 2 years (at least)
Education Levels: Associate

School Type: New Hampshire Community College

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Education Levels: Bachelor

#### License and Certification Requirements:

Coding Certification Required: No
Coding License Required: Yes
License Required: Yes

Licensing Body/Regulatory Agency: New

License Requirements:

New Hampshire Board of Dental Examiners

To be licensed you must be at least 18 years of age or older, a high school graduate and complete an educational specialty program of at least 2 years that is recognized by the American Dental Association Commission of Accreditation of Dental and Dental Auxiliary Educational Programs. You must also pass national and regional examinations acceptable to the Board.

#### Career Categories:

Types of Work:

Dental

Workplace Environment: Types of Interaction: Private Medical Practice or Private Company

Direct Patient Interaction

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# **Dental Laboratory Technician**

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Dental laboratory technicians typically do the following:

- Follow detailed work orders and prescriptions from a dentist, to create a dental appliance
- Mix plaster and other pastes to fill molds from impressions taken by a dentist
- · Cover molds and frameworks with mixtures and allow them to set
- · Place the dental appliance on an apparatus that mimics the patient's bite and jaw movement
- Examine the appliance, noting the size and shape of adjacent teeth and gaps in the gumline
- Sculpt or carve parts of an appliance, such as individual teeth
- Adjust prosthetics to allow for a more natural look or to improve function
- Repair dental appliances that may be cracked or damaged, such as dentures and crowns

Dental laboratory technicians work with small handtools, such as files and polishers. They work with many different materials to make prosthetic appliances, including wax, plastic, and porcelain. In some cases, technicians work with computer programs to create appliances or to get impressions sent from a dentist's office.

In small laboratories, technicians do all stages of the work. In large laboratories, technicians may work on only one step of the process, such as waxing or polishing appliances.

Dental laboratory technicians can specialize in one of six areas: orthodontic appliances, crowns and bridges, complete dentures, partial dentures, implants, and ceramics. Technicians may have different job titles, depending on their specialty. For example, technicians who make porcelain and acrylic restorations, such as veneers and bridges, are called *dental ceramists*.

More Information: http://www.bls.gov/ooh/production/dental-laboratory-technicians.htm

#### Career Outlook:

Career Outlook data applies to the entire United States, not just New Hampshire.

Number of Jobs 2010:331Number of Projected Jobs 2020:374Jobs Percentage Change:13.0%Total Annual Openings:107

#### **Education Requirements:**

Programs:

Education Levels:

GED/Diploma

This job requires a minimum of a GED or a High School Diploma and on-the-job training. Please consult your Case Manager for specific details about this opportunities.

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#### License and Certification Requirements:

Coding Certification Required:OptionalCoding License Required:NoCertification(s) Required:No

Major Optional Certifications: Certified Dental Technician with Certificates of Competency in

skill areas available

Certifying Body: National Board for Certification in Dental Laboratory Technology

#### Career Categories:

Types of Work: Dental

Workplace Environment: Private Medical Practice or Private Company

Types of Interaction: Direct Patient Interaction

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# Dietetic Technician, Registered

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A dietetic technician, registered, often working in partnership with registered dietitians, screens, evaluates and educates patients; manages and prevents diseases such as diabetes and obesity and monitors patients' and clients' progress. DTRs work in settings such as hospitals and clinics, extended-care facilities, home health-care programs, schools, correctional facilities, restaurants, food companies, foodservice providers, public health agencies, government and community programs such as Meals on Wheels, health clubs, weight management clinics and wellness centers.

DTRs have met one of the following criteria to earn the credential:

- Completion of a two-year Associate degree granted by a U.S. regionally accredited college/university, completion of dietetic technician program requirements in an ACEND-accredited program, pass a national written examination administered by the Commission on Dietetic Registration (CDR), and completion of continuing professional educational requirements to maintain registration.
- Completion of a Baccalaureate degree granted by a U.S. regionally accredited college/university, or
  foreign equivalent, completion of an ACEND-accredited DPD program, completion of an ACENDaccredited Dietetic Technician supervised practice, pass a national written examination administered by
  CDR and completion of continuing professional educational requirements to maintain registration.
- Completion of a Baccalaureate degree granted by a U.S. regionally accredited college/university, or foreign equivalent, completion of an ACEND-accredited DPD or CP program, pass a national written examination administered by CDR and completion of continuing professional educational requirements to maintain registration.

More Information: http://www.eatright.org/HealthProfessionals/content.aspx

#### Career Outlook:

Career Outlook data applies to the entire United States, not just New Hampshire.

Number of Jobs 2010: 79
Number of Projected Jobs 2020: 89
Jobs Percentage Change: 0.1%
Total Annual Openings: 2

Growth Outlook: Favorable
June 2013 Entry Level Wage: \$8.42
June 2013 Mean Wage: \$13.92
June 2013 Experienced Wage: \$16.67

*Salary Range:* \$20,000 - \$40,000

#### **Education Requirements:**

Programs:

School: University of New Hampshire

Program: Dietetic Technician

Time to Complete: 2 years

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Education Levels: Associate

#### License and Certification Requirements:

Coding Certification Required:YesCoding License Required:NoCertification(s) Required:Yes

List of Required Certifications: Dietetic Technicians-Registered
Certifying Body: Commission on Dietetic Registration

Certification Requirements: To be certified, you must complete a minimum of 450 supervised

practice hours, complete the Registration Examination for Dietetic

Technicians and have at least an Associate

#### Career Categories:

Types of Work: Patient Support Medical Support

Workplace Environment: Community-Based Setting or Patients' Homes

Hospital

Types of Interaction: Direct Patient Interaction

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# **Direct Support Professional**

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Direct Support Professionals provide services to children & adults with developmental disabilities, as well as the elderly. Our mission is to help our consumers live happy, healthy, and fulfilling lives. Depending on the needs of the consumers, Direct Support Professionals provide assistance with living skills development, health maintenance and medication administration, personal care, and behavioral development.

Direct Support Professionals work in a number of settings including Group Homes (small residential homes that serve 2–5 people), Day Programs (living skills & pre-employment training), Home & community Based Services (in-home care and supports), and Vocational Rehabilitation (job skill training and job placement).

Working under the direction of a Program Manager, Direct Support Professionals work to provide services that enrich the lives of our consumers. An emphasis is placed on creating a family-like environment that encourages the consumers to experience a full life. Direct Support Professionals assist the consumers in participating in traditional daily and weekly activities such as shopping at the grocery store, going to movies, enjoying hobbies, etc. Direct Support Professionals also advocate for consumers to be fully integrated into community life.

More Information: http://www.aires.org/pdf/Job%20DescriptionDirect%20Support%20Professional.pdf

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010:2,090Number of Projected Jobs 2020:2,573Jobs Percentage Change:23.1%Total Annual Openings:93

Growth Outlook: Very Favorable
June 2013 Entry Level Wage: \$10.27
June 2013 Mean Wage: \$13.69
June 2013 Experienced Wage: \$15.41

*Salary Range:* \$20,000 - \$40,000

#### **Education Requirements:**

Programs:

Education Levels: GED/Diploma

This job requires a minimum of a GED or a High School Diploma and on-the-job training. Please consult your Case Manager for specific details about this opportunities.

#### License and Certification Requirements:

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Coding Certification Required: No Coding License Required: No

Career Categories:

Types of Work: Patient Support Medical Support

Workplace Environment: Community-Based Setting or Patients' Homes

Types of Interaction: Direct Patient Interaction

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# Dosimetrist

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The medical dosimetrist is a member of the radiation oncology team who has knowledge of the overall characteristics and clinical relevance of radiation oncology in the management of cancer or other disease processes, with special expertise in radiation therapy treatment planning. Major Duties

- 1. Design a treatment plan by means of computer and/or manual computation with optimal beam geometry to deliver a prescribed radiation dose and spare critical structures in accordance with the Radiation Oncologist's prescription.
- 2. Identify and contour normal and dose-limiting structures by utilizing images from one or more data sets. Assumes proficiency in image registration with various image data sets to include CT, MRI and PFT
- 3. Create and transfer reference images and localization markers for portal verification and treatment delivery to include DRRs, CBCTs and other IGRT methods, as specified.
- 4. Supervise, perform, or assist in simulations and tumor localization using specified imaging devices including, but not limited to CT, MRI, and PET.
- 5. Supervise, perform, or assist in the planning and implementation of the fabrication of compensation filters, custom shields, wedges, and other beam modifying devices.
- 6. Supervise, perform, or assist in the planning and implementation of the production of moulds, casts, and other immobilization devices.
- 7. Communicate with the radiation therapist(s) and assume an advisory role in the implementation of the treatment plan including: the correct use of immobilization devices, compensators, wedges, field arrangement, and other treatment or imaging parameters.
- 8. Perform calculations for the accurate delivery of the prescribed dose, document all pertinent information in the patient record, and verify the mathematical accuracy of all calculations by an approved method.
- 9. Provide assistance and technical support to the Medical Physicist, in radiation safety and protection, qualitative machine calibrations, quality assurance of treatment plans and radiation oncology equipment.
- 10. Operates and performs quality assurance, under the direction of the Medical Physicist, on the treatment planning computer(s).
- 11. Supervise, perform, or assist in the application of specific methods of patient and/or beam dosimetry as directed by the Medical Physicist.
- 12. Assist in brachytherapy procedures by performing treatment planning and dose calculations. May perform or assist in the receiving, loading, and shipping of radioactive materials.
- 13. Utilize radiation monitoring devices to measure radioactivity and perform assays.
- 14. Teach applied aspects of medical dosimetry to students, radiation therapists and residents.
- 15. Participate in clinical research.
- 16. Participate in continuing education.
- 17. Participate in quality improvement processes.

More Information: http://www.medicaldosimetry.org/generalinformation/description.cfm

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010:

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Number of Projected Jobs 2020: 75
Jobs Percentage Change: 8.7%
Total Annual Openings: 2

Growth Outlook: Less Favorable

#### **Education Requirements:**

Programs:

Education Levels:

MD/PhD

There are several educational paths to obtaining this job. Please consult your Case Manager for specific details about these opportunities.

#### License and Certification Requirements:

Coding Certification Required:NoCoding License Required:NoCertification(s) Required:No

#### Career Categories:

Types of Work:

Technology

Workplace Environment:

Hospital Laboratory

Types of Interaction:

Direct Patient Interaction

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# Electroneurodiagnostic Technician

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Neurodiagnostic Technology is the medical diagnostic field devoted to the recording and study of electrical activity in the brain and nervous system. Neurodiagnostic technologists possess the knowledge, skills, and attributes to obtain interpretable recordings of patients' nervous system function. They work in collaboration with medical researchers, clinicians, physicians, and other health professionals.

The neurodiagnostic technologist can be involved in one or more of the following diagnostic procedures: electroencephalography (EEG), evoked potential (EP), long term monitoring (LTM), polysomnography (PSG), nerve conduction studies (NCS), and intraoperative neuromonitoring (IONM). The technologist takes the medical history; documents the clinical condition of patients; understands and employs the optimal use of EG, EP, PSG, and NCS equipment; and applies adequate recording electrodes. Among other duties, the neurodiagnostic technologist also understands the interface between EEG, EP, PSG, and NCS equipment and other electrophysiological devices and procedures; recognizes and understands EEG/EP/NCS/sleep activity displayed; manages medical emergencies in the laboratory; and prepares a descriptive report of recorded activity for the interpreting physician. The responsibilities of the technologist may also include laboratory management and the supervision of neurodiagnostic technologists. Considerable individual initiative, reasoning skill, and sound judgment are all expected of the neurodiagnostic professional.

More Information: http://www.caahep.org/Content.aspx

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

#### **Education Requirements:**

Programs:

Education Levels: GED/Diploma

This job requires a minimum of a GED or a High School Diploma and on-the-job training. Please consult your Case Manager for specific details about this opportunities.

#### License and Certification Requirements:

Coding Certification Required: No
Coding License Required: No
Certification(s) Required: No

#### Career Categories:

Types of Work: Technology

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Workplace Environment:

Hospital

Types of Interaction: Laboratory Integrated Team Member

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# Electronic Health Records Specialist

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Medical records and health information technicians organize and manage health information data by ensuring its quality, accuracy, accessibility, and security in both paper and electronic systems. They use various classification systems to code and categorize patient information for insurance reimbursement purposes, for databases and registries, and to maintain patients' medical and treatment histories.

All technicians document patients' health information, including the medical history, symptoms, examination and test results, treatments, and other information about healthcare provider services. Medical records and health information technicians' duties vary with the size of the facility in which they work.

Medical records and health information technicians typically do the following:

- Review patient records for timeliness, completeness, accuracy, and appropriateness of health data
- · Organize and maintain data for clinical databases and registries
- Track patient outcomes for quality assessment
- Use classification software to assign clinical codes for reimbursement and data analysis
- Electronically record data for collection, storage, analysis, retrieval, and reporting
- Protect patients' health information for confidentiality, authorized access for treatment, and data security

Although medical records and health information technicians do not provide direct patient care, they work regularly with physicians and other healthcare professionals. They meet with these workers to clarify diagnoses or to get additional information to make sure that records are complete and accurate.

The increasing use of electronic health records (EHRs) will continue to change the job responsibilities of medical records and health information technicians. Technicians will need to be familiar with, or be able to learn, EHR computer software, follow EHR security and privacy practices, and analyze electronic data to improve healthcare information as more healthcare providers and hospitals adopt EHR systems.

Medical records and health information technicians can specialize in many aspects of health information. Most work as medical coders, sometimes called coding specialists, or as cancer registrars.

More Information: http://www.bls.gov/ooh/healthcare/medical-records-and-health-information-technic...

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 1,080
Number of Projected Jobs 2020: 1,260
Jobs Percentage Change: 16.7%
Total Annual Openings: 40

Growth Outlook: Not Favorable
June 2013 Entry Level Wage: \$12.74
June 2013 Mean Wage: \$17.30
June 2013 Experienced Wage: \$19.60

*Salary Range:* \$20,000 - \$40,000

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### **Education Requirements:**

Programs:

School: Manchester CC Program: Medical Coding

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

School: NHTI-Concord CC Program: Medical Coding

Time to Complete: 1 year Education Levels: Certificate

School Type: New Hampshire Community College

School: White Mountains CC Program: Medical Coding

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

### License and Certification Requirements:

Coding Certification Required:OptionalCoding License Required:NoCertification(s) Required:No

Major Optional Certifications: Registration as a RHIT (Registered Health Information Technician)

Registered RHIA (Registered Health Information Administrator)

Certifying Body: The American Health Information Management Association

(AHIMA)

### Career Categories:

Types of Work: Administration

Workplace Environment: Private Medical Practice or Private Company

Types of Interaction: Support Role

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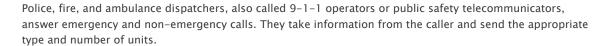
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## **Emergency Medical Dispatcher**

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Police, fire and ambulance dispatchers typically do the following:

- Answer 9-1-1 telephone calls
- Determine, from the caller, the type of emergency and its location
- Decide the appropriate emergency response based on agency policies and procedures
- · Relay information to the appropriate emergency or non-emergency service agency or agencies
- Coordinate sending emergency response personnel
- · Give over-the-phone medical help and other instructions before emergency personnel get to the scene
- · Monitor and track the status of police, fire, and ambulance units on assignment
- Synchronize responses with other area communication centers
- · Keep detailed records about calls

Dispatchers answer calls for service when someone needs help from police, fire fighters, emergency services, or a combination of the three. They take both emergency and non-emergency calls.

Dispatchers must stay calm while collecting vital information from callers to determine the severity of a situation. They then give the appropriate first responder agencies information about the call.

Some dispatchers only take calls. Others only use radios to send appropriate personnel. Many dispatchers do both tasks.

Dispatchers keep detailed records about the calls that they take. They may use a computer system to log important facts, such as the name and location of the caller.

More Information: http://www.bls.gov/ooh/office-and-administrative-support/police-fire-and-ambulan...

### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 743 Number of Projected Jobs 2020: 817 10.0% Jobs Percentage Change: Total Annual Openings: 22

Growth Outlook: Less Favorable

June 2013 Entry Level Wage: \$15.21 June 2013 Mean Wage: \$18.84 June 2013 Experienced Wage: \$20.66

Salary Range: \$40,000 - \$60,000

### **Education Requirements:**

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#### Programs:

Education Levels: GED/Diploma

This job requires a minimum of a GED or a High School Diploma and on-the-job training. Please consult your Case Manager for specific details about this opportunities.

#### License and Certification Requirements:

Coding Certification Required: Yes Coding License Required: No Certification(s) Required: Yes

List of Required Certifications: **Emergency Medical Dispatch** 

Cardio-pulmonary Resuscitation

Certifying Body: **Bureau of Emergency Communications** 

Department of Safety Commissioner

Certification Requirements: The Bureau of Emergency Communications provides the following

> required training to newly hired as telecommunicators: (1) A course in basic telecommunications leading to a certification in basic telecommunications; (2) A course preparing persons to give pre-hospitalization care at the scene of a sudden illness or injury; (3) A basic course in cardio-pulmonary resuscitation leading to a certification in cardio-pulmonary resuscitation; (4) A basic course in emergency medical dispatch leading to a certification in emergency medical dispatch; and (5) Any other training for all telecommunicators determined by the executive director of the

bureau to be necessary for adequate performance as a

telecommunicator.

### Career Categories:

Types of Work: Administration

School or Institution Workplace Environment:

Types of Interaction: Coordinator

Integrated Team Member

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## EMT/Paramedic

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Emergency medical technicians (EMTs) and paramedics care for the sick or injured in emergency medical settings. People's lives often depend on their quick reaction and competent care. EMTs and paramedics respond to emergency calls, performing medical services and transporting patients to medical facilities. A 911 operator sends EMTs and paramedics to the scene of an emergency, where they often work with police and firefighters.

EMTs and paramedics typically do the following:

- Respond to 911 calls for emergency medical assistance, such as cardiopulmonary resuscitation (CPR) or bandaging a wound
- Assess a patient's condition and determine a course of treatment
- Follow guidelines that they learned in training and that they receive from physicians who oversee their work
- Use backboards and restraints to keep patients still and safe in an ambulance for transport
- Help transfer patients to the emergency department of a healthcare facility and report their observations and treatment to the staff
- Create a patient care report; documenting the medical care they gave the patient
- · Replace used supplies and check or clean equipment after use

When taking a patient to the hospital, one EMT or paramedic may drive the ambulance while another monitors the patient's vital signs and gives additional care. Some paramedics work as part of a helicopter's flight crew to transport critically ill or injured patients to a hospital.

EMTs and paramedics also take patients from one medical facility to another. Some patients may need to be transferred to a hospital that specializes in treating their injury or illness or to a facility that provides long-term care, such as a nursing home.

If a patient has a contagious disease, EMTs and paramedics decontaminate the interior of the ambulance and may need to report these cases to the proper authorities.

The specific responsibilities of EMTs and paramedics depend on their level of training and the state they work in. The National Registry of Emergency Medical Technicians (NREMT) provides national certification of EMTs and paramedics at four levels: EMT-Basic, EMT-Intermediate (which has two levels, respectively called 1985 and 1999), and Paramedic. Some states, however, have their own certification programs and use different titles.

More Information: http://www.bls.gov/ooh/healthcare/emts-and-paramedics.htm

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 1,340 Number of Projected Jobs 2020: 1,696 Jobs Percentage Change: 26.6% Total Annual Openings: 63

Growth Outlook: Very Favorable

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June 2013 Entry Level Wage:\$10.89June 2013 Mean Wage:\$16.45June 2013 Experienced Wage:\$19.23

*Salary Range:* \$20,000 - \$40,000

### **Education Requirements:**

Programs:

Education Levels: Certificate

Education Levels: GED/Diploma

Education Levels: Associate

This job requires a minimum of a GED or a High School Diploma and on-the-job training. Please consult your Case Manager for specific details about this opportunities.

### License and Certification Requirements:

Coding Certification Required: No
Coding License Required: Yes
License Required: Yes

Licensing Body/Regulatory Agency: Division of Fire Standards and Training & Emergency Medical

Services (NH Dept. of Safety)

License Requirements: To be licensed you must be at least 18 years of age or older,

complete a training program, and pass the New Hampshire EMS practical examination and National Registry computer-based

testing.

### Career Categories:

Types of Work: Medical Support

Workplace Environment: Community-Based Setting or Patients' Homes

Hospital

Types of Interaction: Direct Patient Interaction

Integrated Team Member

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## Health Care Administrator

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s, plan,

Medical and health services managers, also called healthcare executives or healthcare administrators, plan, direct, and coordinate medical and health services. They might manage an entire facility or specialize in managing a specific clinical area or department, or manage a medical practice for a group of physicians. As healthcare changes, medical and health services managers must be able to adapt to changes in laws, regulations, and technology.

Medical and health services managers typically do the following:

- · Work to improve efficiency and quality in delivering healthcare services
- Keep up to date on new laws and regulations so the facility complies with them
- Supervise assistant administrators in facilities that are large enough to need them
- Manage finances of the facility, such as patient fees and billing
- · Create work schedules
- Represent the facility at investor meetings or on governing boards
- Keep and organize records of the facility's services, such as the number of inpatient beds used
- Communicate with members of the medical staff and department heads

In group medical practices, managers work closely with physicians, nurses, laboratory technicians, and other healthcare employees.

More Information: http://www.bls.gov/ooh/Management/Medical-and-health-services-managers.htm

### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010:1,301Number of Projected Jobs 2020:1,547Jobs Percentage Change:18.9%Total Annual Openings:57

Growth Outlook: Very Favorable

 June 2013 Entry Level Wage:
 \$31.01

 June 2013 Mean Wage:
 \$46.76

 June 2013 Experienced Wage:
 \$54.63

 Salary Range:
 \$80,000+

### **Education Requirements:**

Programs:

School: Colby-Sawyer College
Program: Health Care Management

Time to Complete: 4 years
Education Levels: Bachelor

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School: Dartmouth

Program: Clinical Health Services Research

Time to Complete: 2 years Education Levels: Master

School:DartmouthProgram:Health CareTime to Complete:2 yearsEducation Levels:Master

School: Dartmouth

Program: Health Care Delivery Science

Time to Complete: 2 years Education Levels: Master

School: Dartmouth

Program: Health Care Leadership

Time to Complete: 2 years
Education Levels: Master

School: Franklin Pierce (Concord, Lebanon, Portsmouth, Online)

Program: Health Care Administration

Time to Complete: 2 years
Education Levels: Associate

Online Options: Full

Partial

School: Franklin Pierce (Concord, Lebanon, Portsmouth, Online)

Program: Health Care Administration

Time to Complete: 4 years

Education Levels: Bachelor

Online Options: Full Partial

School: Franklin Pierce University
Program: Health Care Administration

Time to Complete: 2 years
Education Levels: Master

Online Options: Full Partial

School: Granite State College
Program: Health Care Management

Time to Complete: 4 years
Education Levels: Bachelor

School: New England College Program: Health Administration

Time to Complete: 4 years
Education Levels: Bachelor

Online Options: Full

School: New England College
Program: Health Care Administration

Time to Complete: 2 years Education Levels: Master

Online Options: Full

School: New England College
Program: Health Care Management

Education Levels: Master

Time to Complete:

Online Options: Partial

School: Southern New Hampshire University

2 years

Program: Health Management

Time to Complete: 4 years
Education Levels: Bachelor

Online Options: Full

School: Southern New Hampshire University

Program: Healthcare Management

Time to Complete: 2 years Education Levels: Master

### License and Certification Requirements:

Coding Certification Required:NoCoding License Required:NoCertification(s) Required:No

### Career Categories:

Types of Work: Administration

Workplace Environment: Long-Term Care Facility

Private Medical Practice or Private Company

Types of Interaction: Integrated Team Member

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## Health Educator

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Health educators teach people about behaviors that promote wellness. They develop programs and materials to encourage people to make healthy decisions.

Health educators typically do the following:

- Assess the needs of the people they serve
- Develop programs and events to teach people about health topics
- Create and distribute health-related posters, pamphlets, and other educational materials
- Evaluate the effectiveness of programs and materials
- · Help people find health services or information
- · Supervise staff who implement health education programs
- Collect and analyze data to learn about their audience and improve programs
- Advocate for improved health resources and policies

The duties of health educators vary based on where they work. Most work in health care facilities, colleges, public health departments, nonprofits, and private businesses. Health educators who teach health classes in middle and high schools are considered teachers.

More Information: http://www.bls.gov/ooh/community-and-social-service/health-educators.htm

### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 285 Number of Projected Jobs 2020: 391 Jobs Percentage Change: 37.2% Total Annual Openings: 17

Growth Outlook: Very Favorable June 2013 Entry Level Wage: \$19.09 June 2013 Mean Wage: \$27.54 June 2013 Experienced Wage: \$31.77

Salary Range: \$60,000 - \$80,000

### **Education Requirements:**

Programs:

School: Colby-Sawyer College Program: **Health Promotion** 

Time to Complete: 4 years Education Levels: Bachelor

School: Plymouth State University

Program: Health Education (health promotion track)

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Time to Complete: 4 years
Education Levels: Bachelor

School: Plymouth State University

Program: Health Education (school health track)

Time to Complete: 4 years
Education Levels: Bachelor

Education Levels: Master

### License and Certification Requirements:

Coding Certification Required: Optional Coding License Required: No

Major Optional Certifications: Certified Health Education Specialist (CHES)

Certifying Body: National Commission for Health Education Credentialing, Inc.

### Career Categories:

Types of Work: Patient Support

Workplace Environment: Hospital

Private Medical Practice or Private Company

School or Institution

Types of Interaction: Independently

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## **Health Information Management**

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Medical records and health information technicians organize and manage health information data by ensuring its quality, accuracy, accessibility, and security in both paper and electronic systems. They use various classification systems to code and categorize patient information for insurance reimbursement purposes, for databases and registries, and to maintain patients' medical and treatment histories. All technicians document patients' health information, including the medical history, symptoms, examination and test results, treatments, and other information about healthcare provider services. Medical records and health information technicians' duties vary with the size of the facility in which they work.

Medical records and health information technicians typically do the following:

- Review patient records for timeliness, completeness, accuracy, and appropriateness of health data
- · Organize and maintain data for clinical databases and registries
- Track patient outcomes for quality assessment
- Use classification software to assign clinical codes for reimbursement and data analysis
- Electronically record data for collection, storage, analysis, retrieval, and reporting
- Protect patients' health information for confidentiality, authorized access for treatment, and data security

Although medical records and health information technicians do not provide direct patient care, they work regularly with physicians and other healthcare professionals. They meet with these workers to clarify diagnoses or to get additional information to make sure that records are complete and accurate.

The increasing use of electronic health records (EHRs) will continue to change the job responsibilities of medical records and health information technicians. Technicians will need to be familiar with, or be able to learn, EHR computer software, follow EHR security and privacy practices, and analyze electronic data to improve healthcare information as more healthcare providers and hospitals adopt EHR systems.

Medical records and health information technicians can specialize in many aspects of health information. Most work as medical coders, sometimes called coding specialists, or as cancer registrars.

More Information: http://www.bls.gov/ooh/healthcare/medical-records-and-health-information-technic...

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 1,080 Number of Projected Jobs 2020: 1,260 16.7% Jobs Percentage Change: Total Annual Openings: 40

Growth Outlook: Not Favorable June 2013 Entry Level Wage: \$12.74 June 2013 Mean Wage: \$17.30 June 2013 Experienced Wage: \$19.60

Salary Range: \$20,000 - \$40,000

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### **Education Requirements:**

Programs:

Online Options:

School: Manchester CC

Program: Health Information Management

Time to Complete: 2 years
Education Levels: Associate

School Type: New Hampshire Community College

Full

School: New England College Program: Health Informatics

Time to Complete: 2 years
Education Levels: Master

School: Southern New Hampshire University

Program: Health Informatics

Time to Complete: 4 years
Education Levels: Bachelor

Online Options: Full

### License and Certification Requirements:

Coding Certification Required:OptionalCoding License Required:NoCertification(s) Required:No

Major Optional Certifications: Registered Health Information Administrator (RHIA)

Certifying Body: American Health Information Management Association (AHIMA)

### Career Categories:

Types of Work: Administration

Workplace Environment: Hospital

Long-Term Care Facility

Private Medical Practice or Private Company

Types of Interaction: Support Role

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## Health Information Technician

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Medical records and health information technicians organize and manage health information data by ensuring its quality, accuracy, accessibility, and security in both paper and electronic systems. They use various classification systems to code and categorize patient information for insurance reimbursement purposes, for databases and registries, and to maintain patients' medical and treatment histories.

All technicians document patients' health information, including the medical history, symptoms, examination and test results, treatments, and other information about healthcare provider services. Medical records and health information technicians' duties vary with the size of the facility in which they work.

Medical records and health information technicians typically do the following:

- Review patient records for timeliness, completeness, accuracy, and appropriateness of health data
- · Organize and maintain data for clinical databases and registries
- Track patient outcomes for quality assessment
- Use classification software to assign clinical codes for reimbursement and data analysis
- Electronically record data for collection, storage, analysis, retrieval, and reporting
- Protect patients' health information for confidentiality, authorized access for treatment, and data security

Although medical records and health information technicians do not provide direct patient care, they work regularly with physicians and other healthcare professionals. They meet with these workers to clarify diagnoses or to get additional information to make sure that records are complete and accurate.

The increasing use of electronic health records (EHRs) will continue to change the job responsibilities of medical records and health information technicians. Technicians will need to be familiar with, or be able to learn, EHR computer software, follow EHR security and privacy practices, and analyze electronic data to improve healthcare information as more healthcare providers and hospitals adopt EHR systems.

Medical records and health information technicians can specialize in many aspects of health information. Most work as medical coders, sometimes called coding specialists, or as cancer registrars.

More Information: http://www.bls.gov/ooh/healthcare/medical-records-and-health-information-technic...

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 1,080 Number of Projected Jobs 2020: 1,260 Jobs Percentage Change: 16.7% Total Annual Openings: 40

Growth Outlook: Not Favorable
June 2013 Entry Level Wage: \$12.74
June 2013 Mean Wage: \$17.30
June 2013 Experienced Wage: \$19.60

*Salary Range:* \$20,000 - \$40,000

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### **Education Requirements:**

Programs:

School: Manchester CC Program: Medical Coding

Time to Complete: 1 year Education Levels: Certificate

School Type: New Hampshire Community College

School: NHTI-Concord CC Program: Medical Coding

Time to Complete: 1 year Education Levels: Certificate

School Type: New Hampshire Community College

School: White Mountains CC Program: Medical Coding

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

### License and Certification Requirements:

Coding Certification Required: Optional
Coding License Required: No
Certification(s) Required: No

Major Optional Certifications: Registered Health Information Technician (RHIT)

Certifying Body: American Health Information Management Association (AHIMA)

### Career Categories:

Types of Work: Medical Support Technology Administration

Workplace Environment: Hospital

Long-Term Care Facility

Private Medical Practice or Private Company

Types of Interaction: Support Role

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## Health Unit Coordinator

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Health Unit Coordinators are members of the supporting cast that helps maintain a health care facility's service and performance. These trained individuals may also be known as unit clerks, ward clerks, or unit secretaries. Some of their daily operations include preparing special documents such as birth/death certificates, maintaining patient charts and records, coordinating patient activities for the unit, ordering supplies, and communicating with the dietary department. They may also perform other duties such as graphing the temperature, pulse, and blood pressure readings for patients, as well as transcribing medical orders and completing admission and discharge forms.

Health unit coordinators usually work under the supervision of the registered nursing staff or the health information administrator. One of their main responsibilities is to act as a liaison between the patients and staff. They must have excellent communication skills in order to serve as this vital link between the physicians, nursing staff, various departments, patients, and visitors. Since these unit coordinators may serve as receptionists on patient floors, they must possess a pleasant and professional disposition in dealing with the public.

Anyone interested in this health related profession should pay close attention to detail, be reliable and dependable, and have the ability to follow instructions and procedures.

More Information: http://www.mshealthcareers.com/careers/healthunitcoord.htm

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 1,301 Number of Projected Jobs 2020: 1,547 Jobs Percentage Change: 18.9% Total Annual Openings: 57

Growth Outlook: Very Favorable

 June 2013 Entry Level Wage:
 \$31.01

 June 2013 Mean Wage:
 \$46.76

 June 2013 Experienced Wage:
 \$54.63

 Salary Range:
 \$80,000+

#### **Education Requirements:**

Programs:

School: Lakes Region CC
Program: Health Unit Coordinator

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

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### License and Certification Requirements:

Coding Certification Required:OptionalCoding License Required:NoCertification(s) Required:No

Major Optional Certifications: National Health Unit Coordinators Examination
Certifying Body: National Association of Health Unit Coordinators

### Career Categories:

Types of Work: Administration

Workplace Environment: Hospital Types of Interaction: Coordinator

Direct Patient Interaction Integrated Team Member

Support Role

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### Home Health Aide

View

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Home health and personal care aides help people who are disabled, chronically ill, or cognitively impaired. They also help older adults who may need assistance. They help with activities such as bathing and dressing, and they provide services such as light housekeeping. In some states, home health aides may be able to give a client medication or check the client's vital signs under the direction of a nurse or other healthcare practitioner.

Home health and personal care aides typically do the following:

- · Help clients in their daily personal tasks, such as bathing or dressing
- Do light housekeeping, such as laundry, washing dishes, and vacuuming in a client's home
- Organize a client's schedule and plan appointments
- · Arrange transportation to doctors' offices or for other kinds of outings
- Shop for groceries and prepare meals
- Provide companionship

Aides often keep track of when a client's prescriptions need to be filled or when the client has his or her next doctor's appointment. Aides may prepare leisure activities, including exercise, to keep their clients active and healthy. They may go for walks with their clients or play games with them. In some states, home health aides may be able to provide some medical services. Aides may be expected to complete unpleasant tasks such as emptying a client's bedpan or changing soiled bed linens.

More Information: http://www.bls.gov/ooh/healthcare/home-health-and-personal-care-aides.htm

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 2,309 Number of Projected Jobs 2020: 3,750 Jobs Percentage Change: 62.4% Total Annual Openings: 174

Growth Outlook: Very Favorable

 June 2013 Entry Level Wage:
 \$10.37

 June 2013 Mean Wage:
 \$11.81

 June 2013 Experienced Wage:
 \$12.53

*Salary Range:* \$20,000 - \$40,000

### Education Requirements:

Programs:

Education Levels: GED/Diploma

This job requires a minimum of a GED or a High School Diploma and on-the-job training. Please consult your Case Manager for specific details about this opportunities.

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### License and Certification Requirements:

Coding Certification Required: Yes
Coding License Required: No
Certification(s) Required: Yes

List of Required Certifications: Home Health Aide Certification
Certifying Body: New Hampshire Board of Nursing

Certification Requirements: To be certified you must complete a home health aide competency evaluation program approved by the State.

### Career Categories:

Types of Work: Patient Support Medical Support

Workplace Environment: Community-Based Setting or Patients' Homes

Types of Interaction: Direct Patient Interaction

Independently

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## Industrial Hygienist

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Industrial hygiene is the science of anticipating, recognizing, evaluating, and controlling workplace conditions that may cause workers' injury or illness. Industrial hygienists use environmental monitoring and analytical methods to detect the extent of worker exposure and employ engineering, work practice controls, and other methods to control potential health hazards.

More Information: http://www.osha.gov/Publications/OSHA3143/OSHA3143.htm

### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 106 Number of Projected Jobs 2020: 133 Jobs Percentage Change: 25.5% Total Annual Openings: 6

Growth Outlook: Very Favorable
June 2013 Entry Level Wage: \$23.08
June 2013 Mean Wage: \$33.51
June 2013 Experienced Wage: \$38.73

Salary Range: \$60,000 - \$80,000

### Education Requirements:

Programs:

School: Keene State College

Program: Safety and Occupational Health Applied Science

Time to Complete: 2 years
Education Levels: Master

#### License and Certification Requirements:

Coding Certification Required: Optional Coding License Required: No Certification(s) Required: No

Major Optional Certifications: Certified Industrial Hygienist

Certifying Body: American Board of Industrial Hygiene

### Career Categories:

Types of Work: Patient Support Research

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## Licensed Nursing Assistant (LNA)

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Licensed Nursing Assistants (LNAs) work under the direction of RNs and LPNs and provide basic patient care and assist with nursing procedures. LNAs care for elderly, newborns, and children with special needs, those recovering from illness, injury or surgery, or individuals with disabilities in their own homes. LNAs typically have a great deal of patient contact as they are responsible for monitoring patient vital signs such as temperature, blood pressure, and pulse. The duties of a LNA often include helping with "activities of daily living," including personal hygiene, meal preparation, and assistance with self-administration of medicine.

More Information: http://www.homecarenh.org/careers/cc\_lna.php

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010:8,647Number of Projected Jobs 2020:10,405Jobs Percentage Change:20.3%Total Annual Openings:288

Growth Outlook: Very Favorable
June 2013 Entry Level Wage: \$10.98
June 2013 Mean Wage: \$13.99
June 2013 Experienced Wage: \$15.51

*Salary Range:* \$20,000 - \$40,000

### Education Requirements:

Programs:

School: Lakes Region CC

Program: Licensed Nursing Assistant

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

School: River Valley CC Program: Nursing Assistant

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

Yes

### License and Certification Requirements:

Coding Certification Required:

 Information for HPOP Participants

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Coding License Required: Yes Certification(s) Required: Yes

List of Required Certifications: Certificate of Medication Administration

Certifying Body: New Hampshire Board of Nursing

Certification Requirements: To be certified you must be competent in the nursing assistant

curriculum.

License Required: Yes

Licensing Body/Regulatory Agency: New Hampshire Board of Nursing

License Requirements: To be licensed you must: graduate from a Board-approved

nursing assistant education program; or demonstrate comparable nursing educational preparation recognized by the Board; submit a notarized criminal history record release form along with a complete set of fingerprints taken by a qualified law enforcement agency or authorized employee of the Department of Safety, and

pass a written examination.

### Career Categories:

Types of Work: Medical Support Nursing

Workplace Environment: Community-Based Setting or Patients' Homes

Hospital

Long-Term Care Facility

Private Medical Practice or Private Company

Types of Interaction: Direct Patient Interaction

Integrated Team Member

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## Licensed Practical Nurse (LPN)

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Licensed practical and licensed vocational nurses (known as LPNs or LVNs, depending on the state in which they work) provide basic medical care. They work under the direction of registered nurses and doctors.

Licensed practical and licensed vocational nurses typically do the following:

- Monitor patients' health for example, by checking their blood pressure
- · Administer basic nursing care, including changing bandages and inserting catheters
- Provide for the basic comfort of patients, such as helping them bathe or dress
- Discuss health care with patients and listen to their concerns
- · Report patients' status to registered nurses and doctors
- · Keep records on patients' health

Duties of LPNs vary, depending on their work setting, For example, they may teach family members how to care for a relative; help to deliver, care for, and feed infants; collect samples for testing and do routine laboratory tests; or feed patients who need help eating.

Because medical care is regulated, LPNs and LVNs may be limited to doing certain tasks, depending on their state. In some states, for example, LPNs with proper training can give medication or start intravenous (IV) drips, while in other states they cannot. State regulations govern the extent to which LPNs and LVNs must be directly supervised; for example, an LPN may provide certain forms of care only with instructions from a registered nurse.

Experienced licensed practical and licensed vocational nurses oversee and direct other LPNs or LVNs and unlicensed medical staff.

More Information: http://www.bls.gov/ooh/healthcare/licensed-practical-and-licensed-vocational-nur...

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### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010:2,663Number of Projected Jobs 2020:3,187Jobs Percentage Change:19.7%Total Annual Openings:123

Growth Outlook: Very Favorable

 June 2013 Entry Level Wage:
 \$19.03

 June 2013 Mean Wage:
 \$22.63

 June 2013 Experienced Wage:
 \$24.42

*Salary Range:* \$40,000 - \$60,000

### Education Requirements:

Programs:

School: Great Bay CC

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Program: Nursing
Time to Complete: 2 years
Education Levels: Associate

School Type: New Hampshire Community College

School: Lakes Region CC

Program:NursingTime to Complete:2 yearsEducation Levels:Associate

School Type: New Hampshire Community College

School: Manchester CC

Program:NursingTime to Complete:2 yearsEducation Levels:Associate

School Type: New Hampshire Community College

School: Nashua CC
Program: Nursing
Time to Complete: 2 years
Education Levels: Associate

School Type: New Hampshire Community College

School: NHTI-Concord CC

Program:NursingTime to Complete:2 yearsEducation Levels:Associate

School Type: New Hampshire Community College

School: River Valley CC
Program: Nursing
Time to Complete: 2 years
Education Levels: Associate

School Type: New Hampshire Community College

School: White Mountains CC

Program: Nursing
Time to Complete: 2 years
Education Levels: Associate

School Type: New Hampshire Community College

### License and Certification Requirements:

Coding Certification Required: Yes
Coding License Required: Yes
Certification(s) Required: Yes

Certifying Body: New Hampshire Board of Nursing

License Required: Yes

Licensing Body/Regulatory Agency: New Hampshire Board of Nursing

License Requirements: To be licensed you must: graduate from an approved program in

practical nursing or demonstrate comparable education; submit a notarized criminal history record release form along with a complete set of fingerprints taken by a qualified law enforcement agency or authorized employee of the Department of Safety, and

pass a written examination.

Career Categories:

Types of Work: Medical Support Nursing

Workplace Environment: Community-Based Setting or Patients' Homes

Hospital

Private Medical Practice or Private Company

Types of Interaction: Direct Patient Interaction

Integrated Team Member

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## Massage Therapist

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Massage therapists treat clients by using touch to manipulate the soft-tissue muscles of the body. With their touch, therapists relieve pain, rehabilitate injuries, reduce stress, increase relaxation, and aid in the general wellness of clients.

Massage therapists typically do the following:

- Talk with clients about symptoms, medical history, and desired results
- Evaluate clients to locate painful or tense areas of the body
- Manipulate muscles or other soft tissues of the body
- Provide clients with guidance on how to improve posture, stretching, strengthening, and overall relaxation

Massage therapists use their hands, fingers, forearms, elbows, and sometimes feet to knead muscles and soft tissue of the body to treat injuries and to promote general wellness. A massage can be as short as 5–10 minutes or could last more than an hour.

Therapists also may use lotions and oils, massage tables or chairs, and medical heat lamps when treating a client. Massage therapists may offer clients information about additional relaxation techniques to practice between sessions.

Massage therapists can specialize in many different types of massage, called modalities. Swedish massage, deep-tissue massage, and sports massage are just a few of the many modalities of massage therapy. Most massage therapists specialize in several modalities, which require different techniques.

Usually, the type of massage given depends on the client's needs and physical condition. For example, therapists may use a special technique for elderly clients that they would not use for athletes. Some forms of massage are given solely to one type of client; for example, prenatal massage is given to pregnant women.

More Information: http://www.bls.gov/ooh/healthcare/massage-therapists.htm

### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 1.432 1,574 Number of Projected Jobs 2020: 9 9% Jobs Percentage Change: Total Annual Openings: 37 Growth Outlook: Favorable June 2013 Entry Level Wage: \$11.46 June 2013 Mean Wage: \$21.74 June 2013 Experienced Wage: \$26.88

*Salary Range:* \$40,000 - \$60,000

### **Education Requirements:**

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Programs:

School: Great Bay CC

Program: Massage/Holistic Massage Therapy

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

School: Great Bay CC

Program: Massage/Holistic Massage Therapy

Time to Complete: 2 years
Education Levels: Associate

School Type: New Hampshire Community College

School: Nashua CC

Program: Massage/Holistic Massage Therapy

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

School: Nashua CC

Program: Massage/Holistic Massage Therapy

Time to Complete: 2 years
Education Levels: Associate

School Type: New Hampshire Community College

School: River Valley CC

Program: Massage/Holistic Massage Therapy

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

School: White Mountains CC

Program: Massage/Holistic Massage Therapy

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

### License and Certification Requirements:

Coding Certification Required:YesCoding License Required:YesCertification(s) Required:Yes

List of Required Certifications: National Certification Board of Therapeutic Massage and

Bodywork

Certifying Body: National Certification Board of Therapeutic Massage and

**Bodywork** 

Certification Requirements: To be certified, you must pass the National Certification Board for

Therapeutic Massage and Bodywork (MCBTMB) written

examination.

License Required: Yes

Licensing Body/Regulatory Agency: Licensing and Regulative Services (NH DHHS)

License Requirements:

To be licensed you must be at least 18 years of age or older and not be convicted of sexually related crime, or crime involving moral turpitude in the ten years immediately preceding application. You must graduate from a massage school with a 750 hour curriculum meeting specific content areas outlined in

Administrative Rules; have Current Adult CPR and First Aid certifications; pass NCBTMB written examination or the Massage and Bodywork Licensing Examination (MBLEx), and currently have the NCBTMB certification.

Career Categories:

Types of Work:

Therapy

Workplace Environment:

Community-Based Setting or Patients' Homes

Hospital

Private Medical Practice or Private Company

Types of Interaction: Direct Patient Interaction

Independently

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## Medical Administrative Assistant

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Medical records and health information technicians organize and manage health information data by ensuring its quality, accuracy, accessibility, and security in both paper and electronic systems. They use various classification systems to code and categorize patient information for insurance reimbursement purposes, for databases and registries, and to maintain patients' medical and treatment histories.All technicians document patients' health information, including the medical history, symptoms, examination and test results, treatments, and other information about healthcare provider services. Medical records and health information technicians' duties vary with the size of the facility in which they work.

Medical records and health information technicians typically do the following:

- Review patient records for timeliness, completeness, accuracy, and appropriateness of health data
- · Organize and maintain data for clinical databases and registries
- Track patient outcomes for quality assessment
- Use classification software to assign clinical codes for reimbursement and data analysis
- Electronically record data for collection, storage, analysis, retrieval, and reporting
- Protect patients' health information for confidentiality, authorized access for treatment, and data security

Although medical records and health information technicians do not provide direct patient care, they work regularly with physicians and other healthcare professionals. They meet with these workers to clarify diagnoses or to get additional information to make sure that records are complete and accurate.

The increasing use of electronic health records (EHRs) will continue to change the job responsibilities of medical records and health information technicians. Technicians will need to be familiar with, or be able to learn, EHR computer software, follow EHR security and privacy practices, and analyze electronic data to improve healthcare information as more healthcare providers and hospitals adopt EHR systems.

Medical records and health information technicians can specialize in many aspects of health information. Most work as medical coders, sometimes called coding specialists, or as cancer registrars.

More Information: http://www.bls.gov/ooh/healthcare/medical-records-and-health-information-technic...

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 1,080 Number of Projected Jobs 2020: 1,260 16.7% Jobs Percentage Change: Total Annual Openings: 40

Growth Outlook: Very Favorable

June 2013 Entry Level Wage: \$12.74 June 2013 Mean Wage: \$17.30 June 2013 Experienced Wage: \$19.60

Salary Range: \$20,000 - \$40,000

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#### **Education Requirements:**

Programs:

School: Great Bay CC

Program: Medical Administrative Assistant

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

School: Lakes Region CC

Program: Medical Administrative Assistant

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

School: River Valley CC

Program: Medical Administrative Assistant

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

School: White Mountains CC

Program: Medical Administrative Assistant

Time to Complete: 2 years
Education Levels: Associate

School Type: New Hampshire Community College

#### License and Certification Requirements:

Coding Certification Required: Optional Coding License Required: No Certification(s) Required: No

Major Optional Certifications: Medical Administrative Assistant Certification (CMAA)

Certifying Body: National Healthcareer Association

### Career Categories:

Types of Work: Administration

Workplace Environment: Hospital

Private Medical Practice or Private Company

Types of Interaction: Support Role

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### Medical Assistant

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Medical assistants complete administrative and clinical tasks in the offices of physicians, podiatrists, chiropractors, and other health practitioners. Their duties vary with the location, specialty, and size of the practice.

Medical assistants typically do the following:

- Take patient history and measure vital signs
- · Help the physician with patient examinations
- Give patient injections as directed by the physician
- Schedule patient appointments
- Prepare blood for laboratory tests

Electronic health records (EHRs) are changing medical assistants' jobs. More and more physicians are adopting EHRs, moving all their patient information online. Assistants need to learn the EHR software that their office uses.

Medical assistants take and record patients' personal information. They must be able to keep that information confidential and discuss it only with other medical personnel who are involved in treating the patient.

Medical assistants should not be confused with physician assistants, who examine, diagnose, and treat patients under a physician's supervision.

More Information: http://www.bls.gov/ooh/healthcare/medical-assistants.htm

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 1,491
Number of Projected Jobs 2020: 1,807
Jobs Percentage Change: 21.2%
Total Annual Openings: 55

Growth Outlook: Very Favorable
June 2013 Entry Level Wage: \$13.10
June 2013 Mean Wage: \$15.67
June 2013 Experienced Wage: \$16.96

*Salary Range:* \$20,000 - \$40,000

#### **Education Requirements:**

Programs:

School: Manchester CC
Program: Medical Assistant

Time to Complete: 1 year

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Education Levels: Certificate

New Hampshire Community College School Type:

School: Manchester CC **Medical Assistant** Program:

Time to Complete: 2 years Education Levels: Associate

School Type: New Hampshire Community College

School: River Valley CC Program: Medical Assistant

Time to Complete: 1 year Education Levels: Certificate

School Type: New Hampshire Community College

White Mountains CC School: Program: Medical Assistant

Time to Complete: 1 vear Education Levels: Certificate

School Type: New Hampshire Community College

### License and Certification Requirements:

Coding Certification Required: Optional Coding License Required: No Certification(s) Required: No

Major Optional Certifications: Certified Medical Assistant with title variations Certifying Body: The National Commission for Certifying Agencies

### Career Categories:

Types of Work: Medical Support

Workplace Environment: Hospital

Private Medical Practice or Private Company

Types of Interaction: **Direct Patient Interaction** Integrated Team Member

Support Role

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## Medical Billing/Coding Specialist

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Medical records and health information technicians organize and manage health information data by ensuring its quality, accuracy, accessibility, and security in both paper and electronic systems. They use various classification systems to code and categorize patient information for insurance reimbursement purposes, for databases and registries, and to maintain patients' medical and treatment histories.All technicians document patients' health information, including the medical history, symptoms, examination and test results, treatments, and other information about healthcare provider services. Medical records and health information technicians' duties vary with the size of the facility in which they work.

Medical records and health information technicians typically do the following:

- Review patient records for timeliness, completeness, accuracy, and appropriateness of health data
- · Organize and maintain data for clinical databases and registries
- Track patient outcomes for quality assessment
- Use classification software to assign clinical codes for reimbursement and data analysis
- Electronically record data for collection, storage, analysis, retrieval, and reporting
- Protect patients' health information for confidentiality, authorized access for treatment, and data security

Although medical records and health information technicians do not provide direct patient care, they work regularly with physicians and other healthcare professionals. They meet with these workers to clarify diagnoses or to get additional information to make sure that records are complete and accurate.

The increasing use of electronic health records (EHRs) will continue to change the job responsibilities of medical records and health information technicians. Technicians will need to be familiar with, or be able to learn, EHR computer software, follow EHR security and privacy practices, and analyze electronic data to improve healthcare information as more healthcare providers and hospitals adopt EHR systems.

Medical records and health information technicians can specialize in many aspects of health information. Most work as medical coders, sometimes called coding specialists, or as cancer registrars.

More Information: http://www.bls.gov/ooh/healthcare/medical-records-and-health-information-technic...

### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 1,080 Number of Projected Jobs 2020: 1,260 16.7% Jobs Percentage Change: Total Annual Openings: 40

Growth Outlook: Not Favorable June 2013 Entry Level Wage: \$12.74 June 2013 Mean Wage: \$17.30 June 2013 Experienced Wage: \$19.60

\$20,000 - \$40,000

Salary Range:

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### **Education Requirements:**

Programs:

School: Manchester CC Program: Medical Coding

Time to Complete: 1 year Education Levels: Certificate

School Type: New Hampshire Community College

School: NHTI-Concord CC Program: Medical Coding

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

School: White Mountains CC Program: Medical Coding

Time to Complete: 1 year Education Levels: Certificate

School Type: New Hampshire Community College

### License and Certification Requirements:

Coding Certification Required:OptionalCoding License Required:NoCertification(s) Required:No

Major Optional Certifications: Certified Coding Specialist (CCS)

Certifying Body: American Health Information Management Association (AHIMA)

### Career Categories:

Types of Work: Administration

Workplace Environment: Hospital

Private Medical Practice or Private Company

Types of Interaction: Support Role

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## **Medical Interpretation**

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Medical interpreters work with non–English speaking patients in hospitals, physician's offices, clinics, rehabilitation facilities, nursing homes and mental health clinics. They act as conduits between patients and medical professionals by listening to the professional and orally translating information into a patient's native language in layman's terms. The medical interpreter then translates the patient's response back to the professional, using proper medical terminology. Interpreters may translate such information as the reason for a medical visit, past medical history and family medical history, as well as explaining medical and surgical procedures, giving medical care instructions, providing drug information and scheduling follow–up appointments.

During the visit, cultural misunderstandings between a professional and patient may occur. Medical interpreters must anticipate these events and try to avoid them. Interpreters also are privy to sensitive information, so they must maintain patient confidentiality at all times.

More Information: http://education-portal.com/articles/Medical\_Interpreter\_Job\_Description\_and\_Edu...

### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 205
Number of Projected Jobs 2020: 281
Jobs Percentage Change: 37.1%
Total Annual Openings: 14

Growth Outlook: Very Favorable
June 2013 Entry Level Wage: \$20.18
June 2013 Mean Wage: \$24.22
June 2013 Experienced Wage: \$26.23

*Salary Range:* \$40,000 - \$60,000

Education	Requirements
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Programs:

Education Levels: GED/Diploma

Education Levels: Certificate

Education Levels: Associate

Education Levels: Bachelor

There are several educational paths to obtaining this job. Please consult your Case Manager for specific details about these opportunities.

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### License and Certification Requirements:

Coding Certification Required:OptionalCoding License Required:NoCertification(s) Required:No

### Career Categories:

Types of Work: Patient Support

Workplace Environment: Hospital

Private Medical Practice or Private Company

Types of Interaction: Coordinator

Direct Patient Interaction

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# Medical Office Manager

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Medical records and health information technicians organize and manage health information data by ensuring its quality, accuracy, accessibility, and security in both paper and electronic systems. They use various classification systems to code and categorize patient information for insurance reimbursement purposes, for databases and registries, and to maintain patients' medical and treatment histories.

All technicians document patients' health information, including the medical history, symptoms, examination and test results, treatments, and other information about healthcare provider services. Medical records and health information technicians' duties vary with the size of the facility in which they work.

Medical records and health information technicians typically do the following:

- Review patient records for timeliness, completeness, accuracy, and appropriateness of health data
- · Organize and maintain data for clinical databases and registries
- Track patient outcomes for quality assessment
- Use classification software to assign clinical codes for reimbursement and data analysis
- Electronically record data for collection, storage, analysis, retrieval, and reporting
- Protect patients' health information for confidentiality, authorized access for treatment, and data security

Although medical records and health information technicians do not provide direct patient care, they work regularly with physicians and other healthcare professionals. They meet with these workers to clarify diagnoses or to get additional information to make sure that records are complete and accurate.

The increasing use of electronic health records (EHRs) will continue to change the job responsibilities of medical records and health information technicians. Technicians will need to be familiar with, or be able to learn, EHR computer software, follow EHR security and privacy practices, and analyze electronic data to improve healthcare information as more healthcare providers and hospitals adopt EHR systems.

More Information: http://www.bls.gov/ooh/healthcare/medical-records-and-health-information-technic...

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 1,080
Number of Projected Jobs 2020: 1,260
Jobs Percentage Change: 16.7%
Total Annual Openings: 40

Growth Outlook: Not Favorable
June 2013 Entry Level Wage: \$12.74
June 2013 Mean Wage: \$17.30
June 2013 Experienced Wage: \$19.60

*Salary Range:* \$20,000 - \$40,000

#### **Education Requirements:**

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#### Programs:

Education Levels: Associate

Education Levels: Certificate

There are several educational paths to obtaining this job. Please consult your Case Manager for specific details about these opportunities.

## License and Certification Requirements:

Coding Certification Required:OptionalCoding License Required:NoCertification(s) Required:No

Major Optional Certifications: Certified Medical Manager

Certifying Body: Professional Association of Health Care Office Management

## Career Categories:

Types of Work: Administration

Workplace Environment: Hospital

Private Medical Practice or Private Company

Types of Interaction: Integrated Team Member

Support Role

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# **Medical Secretary**

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Perform secretarial duties using specific knowledge of medical terminology and hospital, clinic, or laboratory procedures. Duties may include scheduling appointments, billing patients, and compiling and recording medical charts, reports, and correspondence.

#### Duties include:

- Answer telephones and direct calls to appropriate staff.
- Schedule and confirm patient diagnostic appointments, surgeries, or medical consultations.
- Greet visitors, ascertain purpose of visit, and direct them to appropriate staff.
- Operate office equipment, such as voice mail messaging systems, and use word processing, spreadsheet, or other software applications to prepare reports, invoices, financial statements, letters, case histories, or medical records.
- Complete insurance or other claim forms.
- Interview patients to complete documents, case histories, or forms, such as intake or insurance forms.
- Receive and route messages or documents, such as laboratory results, to appropriate staff.
- Compile and record medical charts, reports, or correspondence, using typewriter or personal computer.
- Transmit correspondence or medical records by mail, e-mail, or fax.
- Maintain medical records, technical library, or correspondence files.

More Information: http://www.onetonline.org/link/summary/43-6013.00

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 229
Number of Projected Jobs 2020: 235
Jobs Percentage Change: 2.6%
Total Annual Openings: 8
June 2013 Entry Level Wage: \$13.39
June 2013 Mean Wage: \$17.12
June 2013 Experienced Wage: \$19.00

Salary Range: \$20,000 - \$40,000

#### **Education Requirements:**

#### Programs:

School: Lakes Region CC
Program: Medical Secretary

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

School: Manchester CC

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Program: Medical Secretary

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

## License and Certification Requirements:

Coding Certification Required:OptionalCoding License Required:NoCertification(s) Required:No

## Career Categories:

Types of Work: Administration

Workplace Environment: Hospital

Long-Term Care Facility

Private Medical Practice or Private Company

Types of Interaction: Support Role

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# Medical Technologist

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Medical laboratory technologists (also known as medical laboratory scientists) technicians collect samples and perform the tests to analyze body fluids, tissue, and other substances.

Medical laboratory technologists and medical laboratory technicians have different job responsibilities: technologists perform complex tests and procedures, and they typically supervise technicians. Medical laboratory technologists typically do the following:

- · Analyze body fluids such as blood, urine, and tissue samples to determine normal or abnormal findings
- Collect and study blood samples for use in transfusions by identifying the number of cells, the cell morphology or the blood group, blood type, and compatibility with other blood types
- · Operate sophisticated laboratory equipment such as microscopes and cell counters
- Use automated equipment and computerized instruments capable of performing a number of tests at the same time
- Log data from medical tests and enter results into a patient's medical record
- Discuss results and findings of laboratory tests and procedures with physicians
- Supervise or train medical laboratory technicians

Technologists in small laboratories perform many types of tests; in large laboratories, they generally specialize. The following are examples of types of specialized medical laboratory technologists:

More Information: http://www.bls.gov/ooh/healthcare/medical-and-clinical-laboratory-technologists-...

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## Career Outlook:

Career Outlook data is specific to New Hampshire State.

#### **Education Requirements:**

Programs:

School: River Valley CC Program: Medical Lab Tech

Time to Complete: 2 years
Education Levels: Associate

School Type: New Hampshire Community College

## License and Certification Requirements:

Coding Certification Required: No
Coding License Required: No
Certification(s) Required: No

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## Career Categories:

Types of Work: Technology

Workplace Environment: Laboratory
Types of Interaction: Independently

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# **Medical Transcriptionist**

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Medical transcriptionists listen to voice recordings that physicians and other health professionals make and convert them into written reports. They interpret medical terminology and abbreviations in preparing patients' medical histories, discharge summaries, and other documents. The documents they produce become part of a patient's permanent file.

Medical transcriptionists typically do the following:

- Listen to the recorded dictation of a doctor or other health professional
- Transcribe the dictation into diagnostic test results, operative reports, referral letters, and other documents
- Edit drafts prepared by speech recognition software, making sure that the transcription is correct and has a consistent style
- Translate medical abbreviations or jargon into the appropriate long form
- Recognize inconsistencies within a report and follow up with the healthcare provider to ensure accuracy
- Submit written reports for physicians to approve
- Follow patient confidentiality guidelines and legal documentation requirements

Medical transcriptionists use audio playback equipment, often including a headset and foot pedal - to control the recording playback speed — that are connected to their computer. They use word-processing and other specialized software, as well as medical reference materials as needed.

To do their work, medical transcriptionists must become familiar with medical words, anatomy and physiology, diagnostic procedures, pharmacology, and treatment assessments. Their ability to understand and correctly transcribe what the health professional has said is critical to reducing the chance that patients will get ineffective or even harmful treatments. They are part of the team that ensures high-quality patient

Medical transcriptionists who work in doctors' offices may have other duties, such as answering phones or greeting patients.

More Information: http://www.bls.gov/ooh/healthcare/medical-transcriptionists.htm

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 433 Number of Projected Jobs 2020: 434 0.2% Jobs Percentage Change: Total Annual Openings:

Growth Outlook: Less Favorable

June 2013 Entry Level Wage: \$14.54 June 2013 Mean Wage: \$18.15 June 2013 Experienced Wage: \$19.96

Salary Range: \$20,000 - \$40,000

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#### **Education Requirements:**

Programs:

School: Lakes Region CC
Program: Medical Transcription

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

School: NHTI-Concord CC

Program: Medical Transcription

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

## License and Certification Requirements:

Coding Certification Required:OptionalCoding License Required:NoCertification(s) Required:No

Major Optional Certifications: Certified Medical Transcriptionist

Certifying Body: Association for Healthcare Documentation Integrity

#### Career Categories:

Types of Work: Administration

Workplace Environment: Hospital

Private Medical Practice or Private Company

Types of Interaction: Support Role

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# Medication Nurse Assistant

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A Medication Nursing Assistant (MNA) is a Licensed Nursing Assistant (LNA) who has completed a Board approved medication administration program conducted by a Board approved Registered Nurse. Board approved medication administration programs must offer a minimum of 30 hours of theoretical content and 30 hours of clinical content.

Licensed Nursing Assistants (LNAs) work under the direction of RNs and LPNs and provide basic patient care and assist with nursing procedures. LNAs care for elderly, newborns, and children with special needs, those recovering from illness, injury or surgery, or individuals with disabilities in their own homes. LNAs typically have a great deal of patient contact as they are responsible for monitoring patient vital signs such as temperature, blood pressure, and pulse. The duties of a LNA often include helping with "activities of daily living," including personal hygiene, meal preparation, and assistance with self-administration of medicine.

More Information: http://www.nh.gov/nursing/nursing-assistant/definition-role-mna.htm

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#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 8,647 Number of Projected Jobs 2020: 10,405 Jobs Percentage Change: 20.3% Total Annual Openings: 288

Growth Outlook: Very Favorable

 June 2013 Entry Level Wage:
 \$10.98

 June 2013 Mean Wage:
 \$13.99

 June 2013 Experienced Wage:
 \$15.51

*Salary Range:* \$20,000 - \$40,000

#### **Education Requirements:**

Programs:

School: Lakes Region CC

Program: Licensed Nursing Assistant

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

## License and Certification Requirements:

Coding Certification Required: Yes
Coding License Required: No

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Certification(s) Required: List of Required Certifications: Certification Requirements:

New Hampshire Board of Nursing

To be certified you must: have a Board issued LNA license; successfully meet the eligibility requirements and complete a Board-approved medication administration education program as described in Nur 800; pass required examination described in Nur 300 and Nur 800, and submit application and appropriate

fees to the Board.

## Career Categories:

Types of Work: Patient Support Medical Support Nursing

Workplace Environment: Community-Based Setting or Patients' Homes

Yes

Hospital

Long-Term Care Facility

Types of Interaction: Direct Patient Interaction

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## Mental Health Caseworker

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Mental Health Caseworkers are a category of Community Health Workers, working in comprehensive mental health services such as therapy and counseling, assistance with daily living, client advocacy, and establishing entitlement to services.

Community Health Workers are frontline public health workers who are trusted members of and/or have an unusually close understanding of the community they serve. This trusting relationship enables CHWs to serve as a liaison/link/intermediary between health/social services and the community to facilitate access to services and improve the quality and cultural competence of service delivery.

The CHW's responsibilities can include:

- helping individuals, families, groups and communities develop their capacity and access to resourcesincluding health insurance, food, housing, quality care and health information
- facilitating communication and client empowerment in interactions with health care/social service systems
- helping health care and social service systems become culturally relevant and responsive to their service population
- helping people understand their health condition(s) and develop strategies to improve their health and well being
- helping build understanding and social capital to support healthier behaviors and lifestyle choices among people
- delivering health information using culturally appropriate terms and concepts
- linking people to health care/social service resources
- providing informal counseling, support and follow-up
- · advocating for local health needs
- providing health services, such as monitoring blood pressure and providing first aid
- making home visits to chronically ill patients, pregnant women and nursing mothers, individuals at high risk of health problems, and the elderly
- translating and interpreting for clients and health care/social service providers

More Information: http://explorehealthcareers.org/documents/document/164

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

 June 2013 Entry Level Wage:
 \$14.04

 June 2013 Mean Wage:
 \$18.56

 June 2013 Experienced Wage:
 \$20.81

*Salary Range:* \$20,000 - \$40,000

## Education Requirements:

## Programs:

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School:Antioch University – New EnglandProgram:Clinical Mental Health Counseling

Time to Complete: 2 years Education Levels: Master

School: Antioch University – New England

Program: Clinical Mental Health Counseling (Substance Abuse/Addictions

Counseling)

Time to Complete: 2 years Education Levels: Master

School: New England College (Concord, Dover)

Program: Human Services (non-licensure track)

Time to Complete: 2 years
Education Levels: Master

Online Options: Partial

School: New England College (Concord, Dover)

Program: Mental Health Counseling (licensure track)

Time to Complete: 2 years Education Levels: Master

Online Options: Partial

#### License and Certification Requirements:

Coding Certification Required: Optional Coding License Required: No

Major Optional Certifications: Independent Clinical Social Worker

Certifying Body: New Hampshire Board of Mental Health Practice

#### Career Categories:

Types of Work: Mental Health

Workplace Environment: Community-Based Setting or Patients' Homes

Private Medical Practice or Private Company

Types of Interaction: Coordinator

Direct Patient Interaction Integrated Team Member

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## Nuclear Medicine Technician

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Nuclear medicine technicians assist technologists in their daily duties, particularly using a scanner to create images of various areas of a patient's body. They prepare radioactive drugs and administer them to patients undergoing the scans. The radioactive drugs cause abnormal areas of the body to appear different from normal areas in the images.

Nuclear medicine technicians assist in the following:

- Explain imaging procedures to the patient and answer questions
- Follow safety procedures to protect the patient and themselves from excessive radiation exposure
- Examine machines to make sure that they are safe and working properly
- Prepare radioactive drugs and administer them to the patient
- · Monitor the patient to check for unusual reactions to drugs
- Operate equipment that creates images of areas in the body, such as images of organs
- Keep detailed records of procedures

Radioactive drugs, known as radiopharmaceuticals, give off radiation, allowing special scanners to monitor tissue and organ functions. Abnormal areas show higher-than-expected or lower-than-expected concentrations of radioactivity. Physicians then interpret the images to help diagnose the patient's condition. For example, tumors can be seen in organs during a scan because of their concentration of the radioactive

More Information: http://www.bls.gov/ooh/healthcare/nuclear-medicine-technologists.htm

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

78 Number of Jobs 2010: 88 Number of Projected Jobs 2020: Jobs Percentage Change: 12.8% Total Annual Openings:

Growth Outlook: **Favorable** June 2013 Entry Level Wage: \$31.67 June 2013 Mean Wage: \$36.73 June 2013 Experienced Wage: \$39.26 Salary Range: \$80,000+

## **Education Requirements:**

Programs:

Education Levels: GED/Diploma

This job requires a minimum of a GED or a High School Diploma and on-the-job training. Please consult your Case Manager for specific details about this opportunities.

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### License and Certification Requirements:

Coding Certification Required:OptionalCoding License Required:NoCertification(s) Required:No

Major Optional Certifications: Nuclear Medicine Technology Certification

Certifying Body: The American Registry of Radiologic Technologists

## Career Categories:

Types of Work: Technology

Workplace Environment: Hospital

Private Medical Practice or Private Company
Types of Interaction: Direct Patient Interaction

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## **Nurse Midwife**

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Midwifery as practiced by certified nurse-midwives and certified midwives encompasses a full range of primary health care services for women from adolescence beyond menopause. These services include primary care, gynecologic and family planning services, preconception care, care during pregnancy, childbirth and the postpartum period, care of the normal newborn during the first 28 days of life, and treatment of male partners for sexually transmitted infections. Midwives provide initial and ongoing comprehensive assessment, diagnosis and treatment. They conduct physical examinations; prescribe medications including controlled substances and contraceptive methods; admit, manage and discharge patients; order and interpret laboratory and diagnostic tests and order the use of medical devices. Midwifery care also includes health promotion, disease prevention, and individualized wellness education and

counseling. These services are provided in partnership with women and families in diverse settings such as

ambulatory care clinics, private offices, community and public health systems, homes, hospitals and birth

CNMs are educated in two disciplines: midwifery and nursing. They earn graduate degrees, complete a midwifery education program accredited by the Accreditation Commission for Midwifery Education (ACME), and pass a national certification examination administered by the American Midwifery Certification Board (AMCB) to receive the professional designation of CNM. CMs are educated in the discipline of midwifery. They earn graduate degrees, meet health and science education requirements, complete a midwifery education program accredited by ACME, and pass the same national certification examination as CNMs to receive the professional designation of CM.

CNMs and CMs must demonstrate that they meet the *Core Competencies for Basic Midwifery Practice* of the American College of Nurse–Midwives (ACNM) upon completion of their midwifery education programs and must practice in accordance with ACNM *Standards for the Practice of Midwifery*. ACNM competencies and standards are consistent with or exceed the global competencies and standards for the practice of midwifery as defined by the International Confederation of Midwives. To maintain the designation of CNM or CM, midwives must be recertified every 5 years through AMCB and must meet specific continuing education requirements.

### More Information:

http://www.midwife.org/ACNM/files/ACNMLibraryData/UPLOADFILENAME/00000000266/De...

### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 13,961 Number of Projected Jobs 2020: 17,055 Jobs Percentage Change: 22.2% Total Annual Openings: 562

Growth Outlook: Less Favorable

 June 2013 Entry Level Wage:
 \$41.05

 June 2013 Mean Wage:
 \$53.12

 June 2013 Experienced Wage:
 \$59.16

 Salary Range:
 \$80,000+

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#### **Education Requirements:**

Programs:

School: Columbia University (NY)

Program: Nurse Midwifery

Time to Complete: 2 years Education Levels: Master

School: Georgetown University (online)

Program: Nurse Midwifery

Time to Complete: 2 years Education Levels: Master

Online Options: Full

School: New York University (NY)

Program: Nurse Midwifery

Time to Complete: 2 years Education Levels: Master

School: Philadelphia University (online)

Program: Nurse Midwifery

Time to Complete: 2 years Education Levels: Master

Online Options: Full

School: Stony Brook University (NY)

Program: Nurse Midwifery

Time to Complete: 2 years Education Levels: Master

School: SUNY (NY)
Program: Nurse Midwifery

Time to Complete: 2 years Education Levels: Master

School: Yale University (CT)
Program: Nurse Midwifery

Time to Complete: 2 years Education Levels: Master

#### License and Certification Requirements:

Coding Certification Required:YesCoding License Required:NoCertification(s) Required:Yes

List of Required Certifications: New Hampshire Certified Midwife credential

Certifying Body: New Hampshire Midwifery Council

Certification Requirements: To be certified you must pass the: North American Registry of

Midwives (NARM) written exam; NH written exam (brief test of the NH midwifery statute and Scope of Practice Rules), and NH Oral Exam (tests knowledge of practical skills; abnormal and

emergency conditions; and characteristics, use, and

contraindications for pharmaceuticals approved for use by the NH

Certified Midwives).

Career Categories:

Types of Work: Medical Support Nursing

Workplace Environment: Community-Based Setting or Patients' Homes

Hospital

Private Medical Practice or Private Company

Types of Interaction: Direct Patient Interaction

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## **Nutritionist**

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Dietitians and nutritionists are experts in food and nutrition. They advise people on what to eat in order to lead a healthy lifestyle or achieve a specific health-related goal.

Dietitians and nutritionists typically do the following:

- · Explain nutrition issues
- · Assess patients' and clients' health needs and diet
- Develop meal plans, taking both cost and clients' preferences into account
- Evaluate the effects of meal plans and change the plans as needed
- Promote better nutrition by giving talks to groups about diet, nutrition, and the relationship between good eating habits and preventing or managing specific diseases
- Keep up with the latest nutritional science research

Some dietitians and nutritionists provide customized information for specific individuals. For example, a dietitian or nutritionist might teach a patient with high blood pressure how to use less salt when preparing meals. Others work with groups of people who have similar needs. A dietitian or nutritionist might, for example, plan a diet with reduced fat and sugar to help overweight people lose weight.

Although all dietitians and nutritionists do similar tasks, there are several specialties within the occupations. The following are examples of types of dietitians and nutritionists:

Clinical dietitians provide medical nutrition therapy. They work in hospitals, long-term care facilities, and other institutions. They create both individualized and group nutritional programs based on the health needs of patients or residents. Clinical dietitians may further specialize, such as working only with patients with kidney diseases. They may work with other healthcare professionals.

*Management dietitians* plan meal programs. They work in food service settings such as cafeterias, hospitals, and food corporations. They may be responsible for buying food and for carrying out other business-related tasks. Management dietitians may oversee kitchen staff or other dietitians.

Community dietitians educate the public on topics related to food and nutrition. They often work with specific groups of people, such as pregnant women. They work in public health clinics, government and non-profit agencies, health maintenance organizations (HMOs), and other settings.

More Information: http://www.bls.gov/ooh/Healthcare/Dietitians-and-nutritionists.htm

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 311
Number of Projected Jobs 2020: 357
Jobs Percentage Change: 14.8%
Total Annual Openings: 16

Growth Outlook: Very Favorable

 June 2013 Entry Level Wage:
 \$23.20

 June 2013 Mean Wage:
 \$28.37

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June 2013 Experienced Wage: \$30.96

*Salary Range:* \$40,000 - \$60,000

## **Education Requirements:**

Programs:

School: University of New Hampshire

Program:NutritionTime to Complete:4 yearsEducation Levels:Bachelor

School: University of New Hampshire

Program: Nutrition (Dietetics)

Time to Complete: 4 years
Education Levels: Bachelor

School: University of New Hampshire Program: Nutrition (Nutrition and Wellness)

Time to Complete: 4 years
Education Levels: Bachelor

School: University of New Hampshire Program: Nutrition (Nutritional Sciences)

Time to Complete: 4 years
Education Levels: Bachelor

School: University of New Hampshire

Program: Nutritional Sciences

Time to Complete: 2 years
Education Levels: Master

### License and Certification Requirements:

Coding Certification Required: No
Coding License Required: Yes
License Required: Yes

Licensing Body/Regulatory Agency: Commission on Dietetic Registration

License Requirements: To be licensed you must complete a course of study in nutrition;

complete the application, and pass a written exam.

## Career Categories:

Types of Work: Patient Support Medical Support

Workplace Environment: Community-Based Setting or Patients' Homes

Long-Term Care Facility School or Institution

Types of Interaction: Direct Patient Interaction

Independently

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# Occupational Therapy Assistant

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Occupational therapy assistants work under the direction of occupational therapists in treating patients with

injuries, illnesses, or disabilities through the therapeutic use of everyday activities. They help these patients develop, recover, and improve the skills needed for daily living and working. Occupational therapy assistants are typically directly involved in giving therapy.

Occupational therapy assistants typically do the following:

- Help patients do therapeutic activities, such as specific stretches and other exercises
- Work with children who have development disabilities, leading them in play activities that promote coordination
- Teach patients how to use special equipment; for example, showing a patient with Parkinson's disease how to use devices that make eating easier
- Record patients' progress, report to occupational therapists, and do other administrative tasks

Occupational therapy assistants collaborate with occupational therapists to develop a treatment plan for each patient. Then, the occupational therapy assistant carries out the plan with the patient. Activities in the plans range from teaching the proper way to move from a bed into a wheelchair to the best way to stretch and limber one's muscles.

For example, an occupational therapy assistant might work with injured workers to help them get back into the work force by teaching them how to work around lost motor skills. An occupational therapy assistant might work with people with learning disabilities to teach them skills that let them be more independent.

Assistants monitor activities to make sure patients are doing them correctly. They also encourage the patients. They record the patient's progress so the therapist can change the treatment plan if the patient is not getting the desired results.

More Information: http://www.bls.gov/ooh/healthcare/occupational-therapy-assistants-and-aides.htm

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 129 Number of Projected Jobs 2020: 153 Jobs Percentage Change: 18.6% Total Annual Openings:

Growth Outlook: Favorable June 2013 Entry Level Wage: \$17.80 June 2013 Mean Wage: \$24.45 June 2013 Experienced Wage: \$27.78

\$40,000 - \$60,000 Salary Range:

**Education Requirements:** 

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Programs:

School: River Valley CC

Program: Occupational Therapy Assistant

Time to Complete: 2 vears Education Levels: Associate

School Type: New Hampshire Community College

#### License and Certification Requirements:

Coding Certification Required: Yes Coding License Required: Yes Certification(s) Required: Yes

List of Required Certifications: Certification in Occupational Therapy

Certifying Body:

National Board for Certification in Occupational Therapy (NBCOT) To be certified you must: graduate with an accredited/approved Certification Requirements:

> entry-level occupational therapy degree; complete all fieldwork requirements; submit an official final college or university transcript that indicates the date of graduation and degree title or NBCOT Academic Credential Verification Form (ACVF); agree to abide by the NBCOT Code of Conduct, and attain a passing score

on the NBCOT OTR or COTA certification examination.

License Required:

Licensing Body/Regulatory Agency: License Requirements:

New Hampshire Office of Licensed Allied Health Professionals

To be certified you must: be at least 17 years of age; complete an academic program in occupational therapy accredited by the American Council for Occupational Therapy Education (ACOTE) or its successor organization; complete a minimum of two months of supervised fieldwork experience, and pass a written national certification examination. Applicants for Certification for the use of Physical Agent Modalities (PAMs) who are not currently licensed in NH as a Physical Therapist Assistant must also either hold a currently valid certificate issued by the Hand Therapy Certification Commission or complete professional education consisting of six hours in ultrasound modalities and 15 hours relating to electrical stimulation modalities; and demonstrate competencies in a supervised clinical application (SCA)

## Career Categories:

Types of Work: Therapy

Workplace Environment: Long-Term Care Facility

Private Medical Practice or Private Company

Types of Interaction: **Direct Patient Interaction** 

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# Orthopedic Technician

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The Orthopedic Technologist (OT) is a specifically trained allied health care individual who assists the orthopedic surgeon in the practice of medicine. An OT is an extension of the orthopedic surgeon and assists in the care of sick and disabled persons. OTs must have the ability to relate well to other people, be considerate of their conditions and able to communicate with patients in understanding their anxieties and fears. An OT is familiar with routine office and departmental procedures and is able to perform certain basic nursing functions.

An expert in plaster and synthetic cast application, an OT is responsible for instructing patients about the dangers of this form of treatment. An OT has the skill to remove casts with care and fragility, is equipped with the general principles of traction techniques, prepares or sets up specific types of traction requested by the orthopedic surgeon and is able to assess patients in traction, detect deficiencies in the apparatus and make adjustments as necessary.

The OT may perform as a first assistant to the orthopedic surgeon in the operating suite. To do this, OTs must understand medical and surgical asepsis. This would include preparing for surgical procedures, assembling and preparing the fracture table to the specifications of the orthopedic surgeon.

The OT is able to fit and adjust canes, crutches and walkers, as well as giving patient instruction on the use of these walking aids. Other important responsibilities of the OT are the ability to apply simple braces, prosthetics, perform minor adjustments and repairs, as well as fabricate splints for various conditions under the direction of the orthopedic surgeon.

More Information: http://www.naot.org/sections/about.orthotics.php

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

### **Education Requirements:**

Programs:

School: NHTI-Concord CC
Program: Orthopaedic Technology

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

### License and Certification Requirements:

Coding Certification Required: Optional

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Coding License Required: No Certification(s) Required: No

Major Optional Certifications: Orthopedic Technologist Certified

Certifying Body: National Board for Certification of Orthopedic Technologists, Inc.

Career Categories:

Types of Work: Medical Support Therapy

Workplace Environment: Hospital

Private Medical Practice or Private Company

Types of Interaction: Direct Patient Interaction

Integrated Team Member

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# Orthotist/Prothetist

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Orthotists and prosthetists, also called O&P professionals, design medical supportive devices and measure and fit patients for them. These devices include artificial limbs (arms, hands, legs, and feet), braces, and other medical or surgical devices.

Orthotists and prosthetists typically do the following:

- Evaluate and interview patients to determine their needs
- Measure patients to design and fit medical devices
- Design orthopedic and prosthetic devices based on physicians' prescriptions
- Take a mold of the part of the body that will be fitted with a brace or artificial limb
- Select materials to be used for the orthotic or prosthetic device
- Fit, test, and adjust devices on patients
- Instruct patients in how to use and care for their devices
- Repair or update prosthetic and orthotic devices
- Document care in patients' records

O&P professionals may work in both orthotics and prosthetics, or they may choose to specialize in one. Orthotists are specifically trained to work with medical supportive devices, such as braces and inserts. Prosthetists are specifically trained to work with prostheses, such as artificial limbs and other body parts.

Some O&P professionals may construct devices for their patients. Others supervise the construction of the orthotic or prosthetic devices by medical appliance technicians.

More Information: http://www.bls.gov/ooh/healthcare/orthotists-and-prosthetists.htm

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 33

Number of Projected Jobs 2020: 34

Jobs Percentage Change: 3.0%

Total Annual Openings: 1

Growth Outlook: Not Favorable
June 2013 Entry Level Wage: \$19.75

 June 2013 Mean Wage:
 \$37.79

 June 2013 Experienced Wage:
 \$46.81

 Salary Range:
 \$80,000+

## Education Requirements:

Programs:

Education Levels: MD/PhD

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There are several educational paths to obtaining this job. Please consult your Case Manager for specific details about these opportunities.

## License and Certification Requirements:

Coding Certification Required: Optional Coding License Required: No

Major Optional Certifications: Certified Orthotist

Certified Prosthetist

Certified Orthotist/Prosthetist

Certifying Body: American Board for Certification in Orthotics, Prosthetics and

**Pedorthics** 

## Career Categories:

Types of Work: Medical Support Technology

Workplace Environment: Hospital

Private Medical Practice or Private Company

Types of Interaction: Direct Patient Interaction

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## Perfusionist

View

Edit

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eart. A heart-

During certain operations, such as open heart surgery, the doctors must stop the patient's heart. A heart-lung machine is used to keep the patient's blood flowing until the heart can be restarted.

The person who operates the heart-lung machine is called a cardiac perfusionist. If the patient requires additional blood products or medications during the procedure, the perfusionist can administer these through the heart-lung machine. The perfusionist also monitors and controls the patient's body temperature by increasing or decreasing the temperature of the patient's blood as it passes through the machine.

In addition to these critical responsibilities in the operating theater, the perfusionist also evaluates and selects new equipment, orders supplies, and oversees technical support staff.

More Information: http://explorehealthcareers.org/documents/document/document/175

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

 June 2013 Entry Level Wage:
 \$14.15

 June 2013 Mean Wage:
 \$19.75

 June 2013 Experienced Wage:
 \$22.56

*Salary Range:* \$40,000 - \$60,000

### **Education Requirements:**

Programs:

Education Levels: MD/PhD

There are several educational paths to obtaining this job. Please consult your Case Manager for specific details about these opportunities.

#### License and Certification Requirements:

Coding Certification Required: Yes
Coding License Required: No
Certification(s) Required: Yes

Certifying Body: American Board of Cardiovascular Perfusion

Certification Requirements: To be certified you must pass a two part examination.

Additionally you must graduate from or be currently enrolled in, an accredited cardiovascular perfusion education program, and anticipating graduation prior to the date of the examination with satisfactory clinical competency and a minimum of seventy-five (75) clinical perfusions performed during the education program.

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## Career Categories:

Types of Work: Technology

Workplace Environment: Hospital

Types of Interaction: Direct Patient Interaction

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## Personal Care Assistant

View

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Home health and personal care aides help people who are disabled, chronically ill, or cognitively impaired. They also help older adults who may need assistance. They help with activities such as bathing and dressing, and they provide services such as light housekeeping. In some states, home health aides may be able to give a client medication or check the client's vital signs under the direction of a nurse or other healthcare practitioner.

Home health and personal care aides typically do the following:

- · Help clients in their daily personal tasks, such as bathing or dressing
- Do light housekeeping, such as laundry, washing dishes, and vacuuming in a client's home
- Organize a client's schedule and plan appointments
- · Arrange transportation to doctors' offices or for other kinds of outings
- Shop for groceries and prepare meals
- Provide companionship

Aides often keep track of when a client's prescriptions need to be filled or when the client has his or her next doctor's appointment. Aides may prepare leisure activities, including exercise, to keep their clients active and healthy. They may go for walks with their clients or play games with them. In some states, home health aides may be able to provide some medical services. Aides may be expected to complete unpleasant tasks such as emptying a client's bedpan or changing soiled bed linens.

Some aides are hired directly by the client or the client's family. In these situations, the client or the client's family supervises the aide and gives the aide tasks to do.

*Personal care aides* — also called homemakers, caregivers, companions, and personal attendants — provide clients with companionship and help with daily tasks in a client's home. They are often hired in addition to other medical health workers, such as hospice workers, who may visit a client's home. Personal care aides do not provide any type of medical service.

More Information: http://www.bls.gov/ooh/healthcare/home-health-and-personal-care-aides.htm

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010:3,865Number of Projected Jobs 2020:6,051Jobs Percentage Change:56.6%Total Annual Openings:250

Growth Outlook: Very Favorable

 June 2013 Entry Level Wage:
 \$9.30

 June 2013 Mean Wage:
 \$11.30

 June 2013 Experienced Wage:
 \$12.31

*Salary Range:* \$20,000 - \$40,000

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#### **Education Requirements:**

Programs:

Education Levels: GED/Diploma

This job requires a minimum of a GED or a High School Diploma and on-the-job training. Please consult your Case Manager for specific details about this opportunities.

## License and Certification Requirements:

Coding Certification Required: No Coding License Required: No

## Career Categories:

Types of Work: Patient Support Medical Support

Workplace Environment: Community-Based Setting or Patients' Homes

Types of Interaction: Direct Patient Interaction

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# Pharmacy Technician

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ork in retail

Pharmacy technicians help licensed pharmacists dispense prescription medication. They work in retail pharmacies and hospitals.

Pharmacy technicians typically do the following:

- Take from customers or health professionals the information needed to fill a prescription
- Count tablets and measure amounts of other medication for prescriptions
- Compound or mix medications, such as preparing ointments
- Package and label prescriptions
- · Accept payment for prescriptions and process insurance claims
- Do routine pharmacy tasks, such as answering phone calls from customers

Pharmacy technicians work under the supervision of pharmacists, who must review all prescriptions before they are given to patients. If a customer's question is about the medication or health matters, the pharmacy technician arranges for the customer to speak with the pharmacist.

Pharmacy technicians working in hospitals and other medical facilities prepare a greater variety of medications, such as intravenous medications. They may make rounds in the hospital, giving medications to patients.

More Information: http://www.bls.gov/ooh/healthcare/pharmacy-technicians.htm

### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 1,411
Number of Projected Jobs 2020: 1,652
Jobs Percentage Change: 17.1%
Total Annual Openings: 48

Growth Outlook: Very Favorable
June 2013 Entry Level Wage: \$10.46
June 2013 Mean Wage: \$13.87
June 2013 Experienced Wage: \$15.57

Salary Range: \$20,000 - \$40,000

### **Education Requirements:**

Programs:

Education Levels: GED/Diploma

This job requires a minimum of a GED or a High School Diploma and on-the-job training. Please consult your Case Manager for specific details about this opportunities.

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## License and Certification Requirements:

Coding Certification Required: Optional Coding License Required: Yes Certification(s) Required: No

Major Optional Certifications: http://www.nh.gov/pharmacy/laws/tech\_rules.htm

License Required:

Licensing Body/Regulatory Agency: New Hampshire Board of Pharmacy

## Career Categories:

Types of Work: Technology

Workplace Environment: Private Medical Practice or Private Company

Types of Interaction: Support Role

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## **Phlebotomist**

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A Phlebotomy Technician (Phlebotomist) is an integral member of the medical laboratory team whose primary function is the collection of blood samples from patients by venipuncture or microtechniques. The Phlebotomy Technician facilitates the collection and transportation of laboratory specimens, and is often the patient's only contact with the medical laboratory. The need to assure quality and patient safety mandates strict professional behavior and standards of practice for Phlebotomists.

The primary function of a Phlebotomy Technician is to obtain patient blood specimens by venipuncture or microtechniques. The Phlebotomy Technician aids in the collection and transportation of other laboratory specimens, and may be involved with patient data entry. A Phlebotomy Technician also draws blood for transfusions, donations and research.

Phlebotomy Technicians must like challenge and responsibility. They must be accurate, work well under pressure and communicate effectively. They must be able to deal with patients and be able to calm patients. Safety is key and all safety precautions must be taken to prevent the transmission of infectious diseases.

Duties differ by doctor office, hospital and laboratory but may include:

- Drawing blood from patients or donors in hospitals, blood banks, clinics, doctor offices, laboratories or similar facility for medical purposes
- Assembles equipment (such as needles, blood collection devices, gauze, tourniquet, cotton, and alcohol)
- · Verifies or records identity of patient or donor
- · Converses with patients to allay fear of procedure
- Applies tourniquet to arm, locates vein, swabs area with disinfectant, and inserts needle into vein to draw blood into collection tube. (May also prick finger instead of inserting needle.)
- · Labels and stores blood container for processing
- May conduct interview, take vital signs and test blood samples to screen donors at a blood bank
- Be able to analyze information and make appropriate recommendations

More Information: http://www.phlebotomyguide.org/phlebotomist-job-description/

### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 555
Number of Projected Jobs 2020: 620
Jobs Percentage Change: 11.7%
Total Annual Openings: 17

Growth Outlook: Very Favorable

 June 2013 Entry Level Wage:
 \$13.18

 June 2013 Mean Wage:
 \$16.96

 June 2013 Experienced Wage:
 \$18.86

*Salary Range:* \$20,000 - \$40,000

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#### **Education Requirements:**

Programs:

School: Manchester CC
Program: Phlebotomy
Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

School:River Valley CCProgram:PhlebotomyTime to Complete:1 yearEducation Levels:Certificate

School Type: New Hampshire Community College

#### License and Certification Requirements:

Coding Certification Required: Optional Certification(s) Required: No

Major Optional Certifications:Registered Phlebotomy TechnicianCertifying Body:American Medical Technologists

#### Career Categories:

Types of Work: Medical Support Nursing

Workplace Environment: Hospital

Private Medical Practice or Private Company

Types of Interaction: Direct Patient Interaction

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# Physical Therapy Assistant

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Physical therapist assistants work under the direction of physical therapists. They help patients who are recovering from injuries, illnesses, and surgery regain movement and manage pain. Physical therapist assistants are involved in the direct care of patients. Physical therapist assistants typically do the following:

- Observe patients before and during therapy, noting their status and reporting to a physical therapist
- Help patients do specific exercises
- Use a variety of techniques, such as massage and stretching, to treat patients
- Use devices and equipment, such as walkers, to help patients
- Educate a patient and family members about what to do after treatment

Physical therapist assistants help physical therapists provide care to patients. Under the direction and supervision of physical therapists, they give therapy through exercise; therapeutic methods, such as electrical stimulation, mechanical traction, and ultrasound; massage; and gait and balance training. Physical therapist assistants record patients' responses to treatment and report the results of each treatment to the physical therapist.

More Information: http://www.bls.gov/ooh/healthcare/physical-therapist-assistants-and-aides.htm

## Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010:398Number of Projected Jobs 2020:533Jobs Percentage Change:33.9%Total Annual Openings:19

Growth Outlook: Very Favorable
June 2013 Entry Level Wage: \$18.78
June 2013 Mean Wage: \$23.84
June 2013 Experienced Wage: \$26.38

*Salary Range:* \$40,000 - \$60,000

### **Education Requirements:**

Programs:

School: River Valley CC

Program: Physical Therapist Assistant

Time to Complete: 2 years
Education Levels: Associate

School Type: New Hampshire Community College

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#### License and Certification Requirements:

Coding Certification Required: No
Coding License Required: Yes
License Required: Yes

Licensing Body/Regulatory Agency:

License Requirements:

New Hampshire Office of Licensed Allied Health Professionals

To be licensed you must; graduate from a professional physical therapy education program accredited by the Commission on the Accreditation of Physical Therapy Education (CAPTE) or by another Board-approved accrediting organization and pass the national

proficiency examination.

### Career Categories:

Types of Work:

Therapy

Workplace Environment:

Private Medical Practice or Private Company

Types of Interaction:

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# Physician's Assistant

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Physician assistants, also known as PAs, practice medicine under the direction and supervision of physicians and surgeons. They are formally trained to examine patients, diagnose injuries and illnesses, and provide treatment.

Physician assistants typically do the following:

- Work under the supervision of a physician or surgeon
- · Review patients' medical histories
- Do physical exams to check patients' health
- Order and interpret diagnostic tests, such as x rays or blood tests
- Make preliminary diagnoses concerning a patient's injury or illness
- Provide treatment, such as setting broken bones and giving immunizations
- Counsel patients and their families; for example, answering questions about how to care for a child with asthma
- Prescribe medicine, when needed
- Record a patient's progress
- Complete insurance paperwork

Physician assistants are different from medical assistants. Medical assistants do routine clinical and clerical tasks; they do not practice medicine.

Physician assistants work in all areas of medicine, including primary care and family medicine, emergency medicine, and psychiatry. The work of physician assistants depends in large part on their specialty and what their supervising physician needs them to do. For more information, see the profile on physicians and surgeons.

For example, a physician assistant working in surgery may close incisions and provide care before and after the operation. A physician assistant working in pediatrics may examine a child or give routine vaccinations. In rural areas and inner cities, physician assistants may be the primary care providers at clinics where a physician is present only 1 or 2 days per week. In these locations, physician assistants confer with the physician and other healthcare workers as needed and as required by law.

Some physician assistants make house calls or visit nursing homes to treat patients, reporting back to the physician afterward. Some physician assistants supervise medical technicians and medical assistants.

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010:459Number of Projected Jobs 2020:573Jobs Percentage Change:24.8%Total Annual Openings:20

Growth Outlook: Very Favorable

 June 2013 Entry Level Wage:
 \$38.40

 June 2013 Mean Wage:
 \$49.70

 June 2013 Experienced Wage:
 \$55.35

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Salary Range: \$80,000+

# **Education Requirements:**

Programs:

School: Franklin Pierce University
Program: Physician Assistant Studies
Time to Complete: 2+ years (27 months)

Education Levels: Master

# License and Certification Requirements:

Coding Certification Required: Yes
Coding License Required: Yes
Certification(s) Required: Yes

List of Required Certifications: Certified Physician's Assistant

Certifying Body: National Commission on Certification of Physician Assistants

(NCCPA)

Certification Requirements: To be certified you must graduate from a physician assistant

program and pass the Physician Assistant National Certifying

Examination (PANCE).

License Required: Yes

Licensing Body/Regulatory Agency: New Hampshire Board of Medicine

License Requirements: To be licensed you must: complete a statement from the Registered Supervisory Physician and the Alternate Registered Supervisory Physician accepting responsibility; graduate from a

Physician Assistant program; be certified by the National Commission on Certification of Physician Assistants (NCCPA); work under the supervision of a licensed physician, and submit a notarized criminal history record release form along with a complete set of fingerprints taken by a qualified law enforcement agency or authorized employee of the Department of Safety.

Career Categories:

Types of Work: Medical Support

Workplace Environment: Hospital

Private Medical Practice or Private Company

Types of Interaction: Direct Patient Interaction

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# **Psychiatric Nurse**

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Psychiatric mental health nursing is a specialty within nursing. Psychiatric mental health registered nurses work with individuals, families, groups, and communities, assessing their mental health needs. The PMHN develops a nursing diagnosis and plan of care, implements the nursing process, and evaluates it for effectiveness. Psychiatric Mental Health Advanced Practice Registered Nurses (PMH–APRNs) offer primary care services to the psychiatric–mental health population. PMH–APRNs assess, diagnose, and treat individuals and families with psychiatric disorders or the potential for such disorders using their full scope of therapeutic skills, including the prescription of medication and administration of psychotherapy. PMH–APRNs often own private practices and corporations as well as consult with groups, communities, legislators, and corporations.

Advanced practice registered nurses (APRN) earn master's or doctoral degrees in psychiatric-mental health nursing. APRNs apply the nursing process to assess, diagnose, and treat individuals or families with psychiatric disorders and identify risk factors for such disorders. They also contribute to policy development, quality improvement, practice evaluation, and healthcare reform. Psychiatric mental health nursing (PMHN) as a Clinical Nurse Specialist or Nurse Practitioner is considered an advanced specialty in nursing. APRNs practice as Clinical Nurse Specialists (CNSs) or Nurse Practitioners (NPs). The doctoral degree for the advanced clinical practice of psychiatric nursing is the Doctor of Nursing Practice (DNP). APRNs also earn additional degrees (PhD and EdD) which prepare them to work as professors, researchers, or administrators.

More Information: http://www.apna.org/i4a/pages/index.cfm

# Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 13,961
Number of Projected Jobs 2020: 17,055
Jobs Percentage Change: 22.2%
Total Annual Openings: 562

Growth Outlook: Less Favorable

# **Education Requirements:**

Programs:

School: Rivier College

Program: Nursing (Adult Psychiatric/Mental Health Nurse Practitioner)

Time to Complete: 2 years Education Levels: Master

School: Rivier College

Program: Nursing (Mental Health Nurse Practitioner)

Time to Complete: 2 years
Education Levels: Master

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# License and Certification Requirements:

Certification Requirements:

Coding Certification Required:YesCoding License Required:NoCertification(s) Required:YesList of Required Certifications:RN-BC

Certifying Body: American Nurses Credentialing Center

To be certified you must: complete examination; hold a current, active RN license; have practiced the equivalent of 2 years full—time as a registered nurse; have a minimum of 2,000 hours of clinical practice in psychiatric and mental health nursing within the last 3 years, and complete 30 hours of continuing education in psychiatric and mental health nursing within the last 3 years.

Career Categories:

Types of Work: Medical Support Nursing Mental Health

Workplace Environment: Community-Based Setting or Patients' Homes

Long-Term Care Facility

Private Medical Practice or Private Company

Types of Interaction: Integrated Team Member

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# Radiation Therapist

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Radiation therapists treat cancer and other diseases in patients by giving radiation treatments. Duties

Radiation therapists typically do the following:

- · Examine machines to make sure they are safe and work properly
- · Explain treatment plans to the patient and answer questions about treatment
- Follow safety procedures to protect the patient and themselves from overexposure
- X-ray the patient to determine the exact location of the area requiring treatment
- Check the computer programs to make sure that they will give the correct dose of radiation to the correct area of the patient's body
- Operate the equipment to treat the patient with radiation
- · Monitor the patient to check for unusual reactions to the treatment
- Keep detailed records of treatment

Most radiation therapy uses machines called linear accelerators. These machines direct high-energy x rays at specific cancer cells in a patient's body, shrinking or removing them.

Radiation therapists are part of the oncology team that treats patients with cancer. They often work with the following specialists:

- · Radiation oncologists, physicians who specialize in radiation therapy
- Oncology nurses, nurses who specialize in patients with cancer
- Radiation physicists, physicists who calibrate linear accelerators
- Dosimetrists, workers who calculate the correct dose of radiation to use in the treatment

More Information: http://www.bls.gov/ooh/healthcare/radiation-therapists.htm

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# Career Outlook:

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Number of Jobs 2010: 69 Number of Projected Jobs 2020: 75 Jobs Percentage Change: 8.7% Total Annual Openings: 2

Growth Outlook: Less Favorable

June 2013 Entry Level Wage: \$32.13 June 2013 Mean Wage: \$41.41 June 2013 Experienced Wage: \$46.05 Salary Range: \$80,000+

# **Education Requirements:**

Programs:

School: NHTI-Concord CC

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Program: Radiation Therapy

Time to Complete: 1 year Education Levels: Certificate

School Type: New Hampshire Community College

School: NHTI-Concord CC Program: Radiation Therapy

Time to Complete: 2 years
Education Levels: Associate

School Type: New Hampshire Community College

## License and Certification Requirements:

Coding Certification Required: Yes
Coding License Required: No
Certification(s) Required: Yes

List of Required Certifications: Radiation Therapy Certification

Certifying Body: American Registry of Radiologic Technologists

Certification Requirements: To be certified you must: not have engaged in conduct that is

inconsistent with the ARRT Rules of Ethics; successfully complete a radiation therapy education program, and pass the ARRT

Radiation Therapy Examination.

# Career Categories:

Types of Work: Medical Support Technology

Workplace Environment: Hospital

Private Medical Practice or Private Company

Types of Interaction: Integrated Team Member

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# Radiologic Technologist

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Radiologic technologists perform diagnostic imaging examinations, such as  $\boldsymbol{x}$  rays, on patients.

Radiologic technologists typically do the following:

- · Adjust and maintain imaging equipment
- Precisely follow orders from physicians on what areas of the body to image
- Prepare patients for procedures, including taking a medical history and answering questions about the procedure
- Protect the patient by shielding exposed areas that do not need to be imaged
- Position the patient and the equipment in the location needed to get the correct image
- Operate the computerized equipment to take the images
- Work with radiologists reading the images to determine whether other images need to be taken
- · Keep detailed patient records

Healthcare professionals use many types of diagnostic equipment to diagnose patients. Radiologic technologists specialize in x-ray, computed tomography (CT), and magnetic resonance imaging (MRI) equipment. They may be called CT technicians or MRI technicians, depending on the equipment they work with. Radiologic technologists might also specialize in mammography. Mammographers use low-dose x-ray systems to produce images of the breast. Technologists may be certified in multiple specialties.

Healthcare professionals who specialize in other diagnostic equipment include nuclear medicine technologists, diagnostic medical sonographers, cardiovascular technologists and technicians, and vascular technologists. For more information, see the profiles on nuclear medicine technologists, diagnostic medical sonographers, and cardiovascular technologists and technicians and vascular technologists.

Some radiologic technologists prepare a mixture for the patient to drink that allows soft tissue to be seen on the images that the radiologist reviews.

More Information: http://www.bls.gov/ooh/healthcare/radiologic-technologists.htm

### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 1,047 Number of Projected Jobs 2020: 1,259 Jobs Percentage Change: 20.2% Total Annual Openings: 37

Growth Outlook: Very Favorable
June 2013 Entry Level Wage: \$22.04

 June 2013 Mean Wage:
 \$28.86

 June 2013 Experienced Wage:
 \$32.27

Salary Range: \$40,000 - \$60,000

## **Education Requirements:**

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Programs:

School: NHTI-Concord CC
Program: Radiologic Technology

Time to Complete: 2 years
Education Levels: Associate

School Type: New Hampshire Community College

### License and Certification Requirements:

Coding Certification Required: Yes
Coding License Required: No
Certification(s) Required: Yes

List of Required Certifications: Nuclear Medicine Technology Certification

Certifying Body: American Registry of Radiologic Technologists

Certification Requirements: To be certified you must: not have engaged in conduct that is

inconsistent with the ARRT Rules of Ethics; successfully complete a Nuclear Medicine Technology educational program, and pass

the ARRT Nuclear Medicine Technology examination.

# Career Categories:

Types of Work: Medical Support Technology

Workplace Environment: Hospital

Private Medical Practice or Private Company

Types of Interaction: Integrated Team Member

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# **Recovery Support Worker**

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A recovery support worker is someone who works as part of a team, which provides mental health services and focuses directly on the needs of services users, working across boundaries of care, organization and role. They will provide Support, give Time to the service user, and thus promote their Recovery.

STR workers play a key part in the coordination of care. They undertake a range of tasks to:

- · promote independent living
- provide companionship and friendship
- provide regular and practical support
- provide support with daily living
- facilitate people living ordinary lives
- help the service user to gain access to resources
- provide information on health promotion
- help to identify early signs of relapse
- support service users with involvement/participation with their treatment

STR workers may be found in a variety of service settings, including:

- acute service care
- · community settings, such as:
  - o community Mental Health Teams
  - o assertive Outreach Teams
  - crisis resolution/home treatment teams
  - early intervention teams
  - day care centers
- primary care teams
- tertiary services such as A&E
- services provided by the private and voluntary sectors
- · housing, employment and befriending schemes

More Information: http://www.nhscareers.nhs.uk/explore-by-career/wider-healthcare-team/careers-in-...

# Career Outlook:

Career Outlook data applies to the entire United States, not just New Hampshire.

Number of Jobs 2010: 202
Number of Projected Jobs 2020: 237
Jobs Percentage Change: 17.2%
Total Annual Openings: 66
June 2013 Entry Level Wage: \$11.00
June 2013 Mean Wage: \$15.22
June 2013 Experienced Wage: \$17.33

*Salary Range:* \$20,000 - \$40,000

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# **Education Requirements:**

Programs:

School: Antioch University – New England Program: Clinical Mental Health Counseling

Time to Complete: 2 years Education Levels: Master

School: Antioch University - New England

Program: Clinical Mental Health Counseling (Substance Abuse/Addictions

Counseling)

Time to Complete: 2 years Education Levels: Master

School:New England College (Concord, Dover)Program:Human Services (non-licensure track)

Time to Complete: 2 years Education Levels: Master

Online Options: Partial

School:New England College (Concord, Dover)Program:Mental Health Counseling (licensure track)

Time to Complete: 2 years
Education Levels: Master
Online Options: Partial

# License and Certification Requirements:

Coding Certification Required:YesCoding License Required:NoCertification(s) Required:Yes

List of Required Certifications: Certified Recovery Support Worker

Certifying Body: New Hampshire Board of Licensing for Alcohol and Other Drug

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# Career Categories:

Types of Work: Patient Support Mental Health

Workplace Environment: Community-Based Setting or Patients' Homes

Long-Term Care Facility

Types of Interaction: Integrated Team Member

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# Registered Nurse (Associates Degree)

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Registered nurses (RNs) provide and coordinate patient care, educate patients and the public about various health conditions, and provide advice and emotional support to patients and their family members.

Registered nurses typically do the following:

- · Record patients' medical histories and symptoms
- Give patients medicines and treatments
- Set up plans for patients' care or contribute to existing plans
- Observe patients and record the observations
- Consult with doctors and other healthcare professionals
- Operate and monitor medical equipment
- Help perform diagnostic tests and analyze results
- Teach patients and their families how to manage their illnesses or injuries
- Explain what to do at home after treatment

Registered nurses sometimes work to promote general health by educating the public on warning signs and symptoms of disease. They might also run general health screenings or immunization clinics, blood drives, or other outreach programs.

Most registered nurses work as part of a team with physicians and other healthcare specialists.

Some nurses have jobs in which they do not work directly with patients, but they must still have an active registered nurse license. For example, they may work as nurse educators, healthcare consultants, public policy advisors, researchers, hospital administrators, salespeople for pharmaceutical and medical supply companies, or as medical writers and editors.

Registered nurses' duties and titles often depend on where they work and the patients they work with.

They can focus on the following specialties:

- A specific health condition, such as a diabetes management nurse who helps patients with diabetes or an oncology nurse who helps cancer patients
- A specific part of the body, such as a dermatology nurse working with patients who have skin problems
- A specific group of people, such as a geriatric nurse who works with the elderly or a pediatric nurse who works with children and teens
- A specific workplace, such as an emergency or trauma nurse who works in a hospital or stand-alone emergency department or a school nurse working in an elementary, middle, or high school rather than in a hospital or doctor's office.

More Information: http://www.bls.gov/ooh/Healthcare/Registered-nurses.htm

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### Career Outlook:

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### **Education Requirements:**

Programs:

School: Franklin Pierce (Concord, Lebanon, Portsmouth, Online)

Program: Nursing Education Levels: Master

School: Rivier College

Program: Nursing (Family Nursing)

Education Levels: Master

School: Rivier College

Program: Nursing (Nursing Education)

Education Levels: Master

School: University of New Hampshire Program: Family Nurse Practitioner

Time to Complete: 2–3 years Education Levels: Master

School: University of New Hampshire

Program:NursingTime to Complete:2 yearsEducation Levels:Master

School: University of New Hampshire

Program: Nursing (Clinical Nurse Leader track)

Time to Complete: 2 years Education Levels: Master

School: University of New Hampshire Program: Nursing (Clinical Nurse Leader)

Time to Complete: 2 years (32 credits)

Education Levels: Master

School: University of New Hampshire

Program: Nursing (Evidence-Based Nursing)

Time to Complete: 2 years (32 credits)

Education Levels: Master

School:University of New HampshireProgram:Nursing (Family Nurse Practitioner)Time to Complete:2 years (3-4 years part time)

Education Levels: Master

School: University of New Hampshire at Manchester

Program: Family Nurse Practitioner

Time to Complete: 2–3 years
Education Levels: Master

# License and Certification Requirements:

Coding Certification Required:NoCoding License Required:YesCertification(s) Required:No

License Required:

Licensing Body/Regulatory Agency: License Requirements: Yes

New Hampshire Board of Nursing

To be licensed you must graduate from an approved registered nursing program or demonstrate comparable education and submit a notarized criminal history record release form along with a complete set of fingerprints taken by a qualified law enforcement agency or authorized employee of the Department of Safety. To continue or re-enter practice, validate 400 hours active-in-practice within four years prior to application.

Career Categories:

Types of Work:

Medical Support Nursing

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# Registered Nurse (Bachelors Degree)

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Registered nurses (RNs) provide and coordinate patient care, educate patients and the public about various health conditions, and provide advice and emotional support to patients and their family members.

Registered nurses typically do the following:

- Record patients' medical histories and symptoms
- Give patients medicines and treatments
- Set up plans for patients' care or contribute to existing plans
- Observe patients and record the observations
- Consult with doctors and other healthcare professionals
- · Operate and monitor medical equipment
- Help perform diagnostic tests and analyze results
- Teach patients and their families how to manage their illnesses or injuries
- Explain what to do at home after treatment

Registered nurses sometimes work to promote general health by educating the public on warning signs and symptoms of disease. They might also run general health screenings or immunization clinics, blood drives, or other outreach programs.

Most registered nurses work as part of a team with physicians and other healthcare specialists.

Some nurses have jobs in which they do not work directly with patients, but they must still have an active registered nurse license. For example, they may work as nurse educators, healthcare consultants, public policy advisors, researchers, hospital administrators, salespeople for pharmaceutical and medical supply companies, or as medical writers and editors.

Registered nurses' duties and titles often depend on where they work and the patients they work with.

They can focus on the following specialties:

- A specific health condition, such as a diabetes management nurse who helps patients with diabetes or an oncology nurse who helps cancer patients
- A specific part of the body, such as a dermatology nurse working with patients who have skin problems
- A specific group of people, such as a geriatric nurse who works with the elderly or a pediatric nurse who works with children and teens
- A specific workplace, such as an emergency or trauma nurse who works in a hospital or stand-alone emergency department or a school nurse working in an elementary, middle, or high school rather than in a hospital or doctor's office.

More Information: http://www.bls.gov/ooh/Healthcare/Registered-nurses.htm

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### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 13,961 Number of Projected Jobs 2020: 17,055

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Jobs Percentage Change:22.2%Total Annual Openings:562

Growth Outlook: Very Favorable

 June 2013 Entry Level Wage:
 \$24.08

 June 2013 Mean Wage:
 \$31.33

 June 2013 Experienced Wage:
 \$34.96

*Salary Range:* \$60,000 - \$80,000

# **Education Requirements:**

Programs:

School: Colby-Sawyer College

Program:NursingTime to Complete:4 yearsEducation Levels:Bachelor

School: Franklin Pierce University
Program: Nursing (RN to BS)

Time to Complete: 2+ years
Education Levels: Bachelor

Online Options: Partial

School: Plymouth State University

Program: Nursing (RN Completion Program)

Time to Complete: 4 years
Education Levels: Bachelor

School:Rivier CollegeProgram:NursingTime to Complete:4 yearsEducation Levels:Bachelor

School: Saint Anselm College
Program: Nursing (RN to BS)

Education Levels: Bachelor

# License and Certification Requirements:

Coding Certification Required:NoCoding License Required:YesCertification(s) Required:NoLicense Required:Yes

Licensing Body/Regulatory Agency: New Hampshire Board of Nursing

License Requirements: To be licensed you must graduate from an approved registered nursing program or demonstrate comparable education and

submit a notarized criminal history record release form along with a complete set of fingerprints taken by a qualified law enforcement agency or authorized employee of the Department of Safety. To continue or re-enter practice, validate 400 hours active-in-practice within four years prior to application.

### Career Categories:

Types of Work: Medical Support Nursing

Workplace Environment: Hospital

Long-Term Care Facility

Private Medical Practice or Private Company

Types of Interaction: Direct Patient Interaction

Integrated Team Member

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# Registered Nurse Anesthetist

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Certified Registered Nurse Anesthetists, or CRNAs, are some of the most advanced and highest paid of all nurses. CRNAs administer anesthesia during surgery, when an anesthesiologist physician is not available to do so. In fact, CRNAs actually predate anesthesiologists (physicians who administer anesthesiology). According to the American Association of Nurse Anesthetists (AANA), CRNAs are "pioneers in the field of anesthesiology," having come into existence during the civil war in the 1800s, when anesthesia itself was new, and was utilized to ease pain for soldiers and surgical patients.

CRNAs often work as part of a team with anesthesiologists. CRNAs enable more surgeries to be completed, with fewer anesthesiologists on staff. Depending on state regulations and the bylaws of the employing facility, CRNAs may be supervised by an anesthesiologist or work independently. Although CRNAs are very well-paid compared to other nurses, they are much more cost-effective for hospitals than employing multiple anesthesiologists. Therefore, CRNAs enjoy excellent job stability and high demand for their services, and it is highly unlikely that CRNAs would ever be entirely replaced by anesthesiologists.

CRNAs function much like anesthesiologists (physicians who specialize in the administration of anesthesia and pain management). CRNAs are responsible for pre- and post-operative care as it relates to the delivery of anesthesia. A CRNA does a pre-op assessment of the patient, administers the anesthesia during the surgery, brings the patient back out of anesthesia, and then follows up to ensure the patient's recovery from the anesthesia. According to the AANA, during surgery, the CRNA monitors the patient's vital signs and adjusts the level of anesthesia accordingly, while coordinating with the surgical team.

More Information: http://healthcareers.about.com/od/nursingcareers/p/CRNAprofile.htm

# Career Outlook:

Career Outlook data is specific to New Hampshire State.

June 2013 Entry Level Wage: \$66.13 June 2013 Mean Wage: \$74.96 June 2013 Experienced Wage: \$79.38 \$80,000+ Salary Range:

# **Education Requirements:**

Programs:

School: Central Connecticut State University

Program: **Nurse Anesthesiology** 

Time to Complete: 2 years Education Levels:

School: **Drexel University** Program: Nurse Anesthesiology

Time to Complete: 2 vears Education Levels: Master

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Online Options: Partial

School: Northeastern University
Program: Nurse Anesthesiology

Time to Complete: 2 years Education Levels: Master

School: University of Rhode Island Program: Nurse Anesthesiology

Time to Complete: 2 years Education Levels: Master

# License and Certification Requirements:

Coding Certification Required: Yes
Coding License Required: No
Certification(s) Required: Yes

List of Required Certifications: Nurse Anesthetists National Certification

Certifying Body: National Board of Certification & Recertification for Nurse

Anesthetists

Certification Requirements: To be certified you must be a registered nurse, complete a nurse

anesthesia educational program, and pass the national

certification examination.

# Career Categories:

Types of Work: Medical Support Technology Nursing

Workplace Environment: Hospital

Long-Term Care Facility

Private Medical Practice or Private Company

Types of Interaction: Direct Patient Interaction

Integrated Team Member

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# Research Scientist

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Medical research scientists use scientific methods to study countless aspects of our world. Those who specialize in medical research study diseases, drugs, microorganisms, genetics and many other areas of human and animal health. They work toward improved understanding of diseases and of environmental hazards. They play a critical role in the development of new therapeutic treatments and innovative diagnostic techniques. The medicines we take, the inoculations that protect us from infectious diseases and the processes that preserve our food were all developed by medical research scientists.

Medical research scientists can pursue a variety of specialties. These include anatomy, biochemistry, biophysics, cell biology, embryology, genetics, immunology, microbiology, molecular biology, pathology, pharmacology, physiology and many others.

More Information: http://www.nebraskahealthcareers.com/clinical-laboratory-services/medical-resear...

#### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 358

Number of Projected Jobs 2020: 479

Jobs Percentage Change: 33.8%

Total Annual Openings: 14

Growth Outlook: Very Favorable

 June 2013 Entry Level Wage:
 \$20.70

 June 2013 Mean Wage:
 \$29.99

 June 2013 Experienced Wage:
 \$34.64

Salary Range: \$60,000 - \$80,000

#### **Education Requirements:**

Programs:

Education Levels: Bachelor

Education Levels: Master

There are several educational paths to obtaining this job. Please consult your Case Manager for specific details about these opportunities.

# License and Certification Requirements:

Coding Certification Required:NoCoding License Required:NoCertification(s) Required:No

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# Career Categories:

Types of Work: Research

Workplace Environment: Laboratory

School or Institution
Types of Interaction: Independently

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# Social Worker

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Provide assistance to mentally or emotionally disturbed patients, collaborating with the psychiatric team in the diagnosis and treatment plan. Help patients to respond constructively to treatment and assist in adjustment leading to and following discharge. Interpret treatment to patient's family and help to reduce fear and other attitudes obstructing acceptance of care and treatment. Serve as a link between patient, psychiatric agency, and community.

More Information: http://www.nhes.nh.gov/elmi/products/licertocc/documents/socwrkic.pdf

#### Career Outlook:

Career Outlook data applies to the entire United States, not just New Hampshire.

Number of Jobs 2010: 662
Number of Projected Jobs 2020: 835
Jobs Percentage Change: 26.1%
Total Annual Openings: 316
June 2013 Entry Level Wage: \$15.94
June 2013 Mean Wage: \$21.49
June 2013 Experienced Wage: \$24.27

*Salary Range:* \$40,000 - \$60,000

Education	Requirements
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Programs:

School: New England College (Concord, Dover)

Program: Mental Health Counseling (licensure track)

Time to Complete: 2 years
Education Levels: Master

Online Options: Partial

School:Plymouth State UniversityProgram:Social Work (Aging Services)

Time to Complete: 4 years
Education Levels: Bachelor

School: Plymouth State University

Program: Social Work (Child/Family Services)

Time to Complete: 4 years
Education Levels: Bachelor

School: Plymouth State University
Program: Social Work (Health Services)

Time to Complete: 4 years

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Education Levels: Bachelor

School: Plymouth State University

Program: Social Work (Mental Health Services)
Time to Complete: 4 years

Time to Complete: 4 years
Education Levels: Bachelor

School: Plymouth State University

Program: Social Work (Social Services for Hispanic Communities)

Time to Complete: 4 years
Education Levels: Bachelor

School: University of New Hampshire

Program: Social Work

Time to Complete: 2 years (3–4 years part time)

Education Levels: Master

School: University of New Hampshire

Program: Social Work
Time to Complete: 4 years
Education Levels: Bachelor

School: University of New Hampshire

Program: Social Work/Kinesiology

Time to Complete: 2.5 years (3-4 years part time)

Education Levels: Maste

School: University of New Hampshire at Manchester

Program: Social Work
Time to Complete: 2 years
Education Levels: Master

# License and Certification Requirements:

Coding Certification Required: Yes
Coding License Required: No
Certification(s) Required: Yes

List of Required Certifications: Social Worker, Independent Clinical

Certifying Body: New Hampshire Board of Mental Health Practice

Certification Requirements: New nampsfire Board of Mental Health Practice

To be certified you must complete a Master's or Doctoral degree

in social work, Master's level specialist program in social work and meet school social work competencies. Additionally you need two years of 3000 hours post-master's, supervised, paid clinical

experience and 100 hours of supervision and to pass the

Association of Social Work Boards examination.

# Career Categories:

Types of Work: Patient Support Mental Health

Workplace Environment: Community-Based Setting or Patients' Homes

Types of Interaction: Direct Patient Interaction Integrated Team Member

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# Sonographer

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A Diagnostic Medical Sonographer is a Diagnostic Ultrasound Professional that is qualified by professional credentialing and academic and clinical experience to provide diagnostic patient care services using ultrasound and related diagnostic procedures. The scope of practice of the Diagnostic Medical Sonographer includes those procedures, acts and processes permitted by law, for which the individual has received education and clinical experience, has demonstrated competency, and has completed the appropriate ARDMS certification(s) which is the standard of practice in ultrasound.

The Diagnostic Medical Sonographer is responsible for the independent operation of sonographic equipment, and for performing and communicating results of diagnostic examinations using sonography. The Diagnostic Medical Sonographer is responsible for daily operations of the sonographic laboratory, patient schedule, equipment maintenance, the report of equipment failures, and quality assessment (QA). The sonographer maintains a high standard of medical ethics at all times and is self-motivated to increase level of understanding and knowledge of the field, disease, and new procedures as they evolve.

Sonographer's essential functions include:

- Performs clinical assessment and diagnostic sonography examinations.
- Uses cognitive sonographic skills to identify, record, and adapt procedures as appropriate to anatomical, pathological, diagnostic information and images.
- Uses independent judgment during the sonographic exam to accurately differentiate between normal and pathologic findings.
- Analyses sonograms, synthesizes sonographic information and medical history, and communicates findings to the appropriate physician.
- Coordinates work schedule with Departmental Director and/or scheduling desk to assure workload coverage.
- Assumes responsibility for the safety, mental and physical comfort of patients while they are in the sonographer's care.
- Assists with the daily operations of the sonographic laboratory.
- Maintains a daily log of patients seen/completes exam billing forms.
- Maintains ultrasound equipment and work area, and maintains adequate supplies.
- Participates in the maintenance of laboratory accreditation.
- Establishes and maintains ethical working relationships and good rapport with all interrelating hospitals, referral or commercial agencies.
- Performs other work-related duties as assigned.

More Information: http://www.sdms.org/career/dmsjobdescription.asp

# Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 217
Number of Projected Jobs 2020: 291
Jobs Percentage Change: 34.1%
Total Annual Openings: 10

Growth Outlook: Very Favorable
June 2013 Entry Level Wage: \$31.92

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 June 2013 Mean Wage:
 \$36.88

 June 2013 Experienced Wage:
 \$39.37

*Salary Range:* \$60,000 - \$80,000

# **Education Requirements:**

Programs:

School: NHTI-Concord CC

Program: Diagnostic Medical Sonography

Time to Complete: 1 year
Education Levels: Certificate

School Type: New Hampshire Community College

# License and Certification Requirements:

Coding Certification Required:OptionalCoding License Required:NoCertification(s) Required:No

Major Optional Certifications: Certification in Sonography

Certifying Body: American Registry of Radiologic Technologists

# Career Categories:

Types of Work: Medical Support Technology

Workplace Environment: Hospital

Private Medical Practice or Private Company

Types of Interaction: Independently

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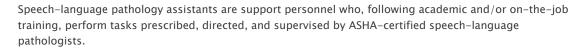
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# Speech-Language Pathology Assistant

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According to the American Speech-Language-Hearing Association, a speech-language pathology assistant may conduct the following tasks under the supervision of a speech-language pathologist:

- Assist speech-language and hearing screenings (without interpretation)
- Assist with informal documentation as directed by the speech-language pathologist
- Follow documented treatment plans or protocols developed by the supervising speech-language pathologist
- Document patient/client performance (e.g., tallying data for the speech-language pathologist to use; preparing charts, records, and graphs) and report this information to the supervision speech-language pathologist
- Assist the speech-language pathologist during assessment of patients/clients
- Assist with clerical duties such as preparing materials and scheduling activities as directed by the speech-language pathologist
- Perform checks and maintenance of equipment
- Support the supervising speech-language pathologist in research projects, in-service training, and public relations programs
- Assist with departmental operations (scheduling, record keeping, safety/maintenance of supplies and equipment)
- Collect data for monitoring quality improvement
- Exhibit compliance with regulations, reimbursement requirements, and speech-language pathology assistant's job responsibilities

More Information: http://www.asha.org/certification/faq\_slpasst/

## Career Outlook:

Career Outlook data is specific to New Hampshire State.

 June 2013 Entry Level Wage:
 \$23.20

 June 2013 Mean Wage:
 \$31.68

 June 2013 Experienced Wage:
 \$35.92

*Salary Range:* \$60,000 - \$80,000

## **Education Requirements:**

Programs:

School: Nashua CC

Program: Speech-Language Pathology Assistant

Time to Complete: 2 years
Education Levels: Associate

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School Type: New Hampshire Community College

# License and Certification Requirements:

Coding Certification Required:NoCoding License Required:YesCertification(s) Required:NoLicense Required:Yes

Licensing Body/Regulatory Agency:

License Requirements:

New Hampshire Office of Licensed Allied Health Professionals To be licensed you need an Associate's degree or higher in

speech-language pathology, communications sciences and disorders, or communications disorders. You must be directed and supervised by a NH licensed Speech-Language Pathologist.

# Career Categories:

Types of Work:

Therapy

Workplace Environment:

Private Medical Practice or Private Company

Types of Interaction: Direct Patient Interaction

Support Role

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# Substance Abuse Counselor

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Substance abuse counseling is a demanding form of community outreach that requires patience, compassion, and a keen desire to help others who in crisis. A good portion of the addict population are people who need help in many areas of their lives. Often these people are unaware of the kinds of assistance available, whether they are eligible, or how to go about finding help. Counselors refer patients to a variety of other services that may help provide a stable platform from which they can fight their drug addiction. The abuser may be directed to a family agency, food pantry, physician or psychiatrist, vocational training center, lawyer, welfare agent or other professionals depending on the needs of the individual.

Counselors see people in both group and private sessions. Each case varies according to the personality of the individual. In the words of one counselor, "You never know what will come up. I spend a lot my time making referrals, but most of what I do is crisis intervention." Crisis intervention demands a sympathetic, nonjudgmental attitude and a supportive approach no matter what situation the addict is in, and, as one counselor put it, "You see everything."

Many people who are drawn to this career have deep-seated personal or religious beliefs about its social value. Between drug addiction and the range of other problems that often accompany it, such as homelessness, mental illness, and AIDS, death is an unfortunately common sight. One of the great challenges of this noble avocation is learning to control emotions of anger, frustration and even bonds of friendship that can undermine the counselor-patient relationship.

More Information: http://www.princetonreview.com/careers.aspx

# Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 231

Number of Projected Jobs 2020: 273

Jobs Percentage Change: 0.2%

Total Annual Openings: 9

Growth Outlook: Very Favorable

 June 2013 Entry Level Wage:
 \$13.31

 June 2013 Mean Wage:
 \$18.54

 June 2013 Experienced Wage:
 \$21.15

*Salary Range:* \$20,000 - \$40,000

# **Education Requirements:**

Programs:

School:Antioch University – New EnglandProgram:Clinical Mental Health Counseling

Time to Complete: 2 years
Education Levels: Master

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School: Antioch University - New England

Program: Clinical Mental Health Counseling (Substance Abuse/Addictions

Counseling)

Time to Complete: 2 years Education Levels: Master

School: New England College (Concord, Dover)

Program: Mental Health Counseling (licensure track)

Time to Complete: 2 years Education Levels: Master

Online Options: Partial

Education Levels: Associate

Education Levels: Bachelor

# License and Certification Requirements:

Coding Certification Required: Yes
Coding License Required: No
Certification(s) Required: Yes

List of Required Certifications: Licensed Alcohol and Drug Counselor (LADC)

Certifying Body: New Hampshire Board of Licensed Alcohol and Other Drug Use

Professional

Certification Requirements: To be certified you must pass testing procedures of a nationally

recognized credentialing entity. Additionally you need either an associate's degree in substance use counseling, addiction studies, or equivalent program; a minimum of 270 hours of training and education; 6,000 hours of supervised alcohol and drug abuse work experience; 300 hours of supervised practical training OR a bachelor's degree in a clinical mental health, social work, psychology, substance use counseling, addiction studies, human services discipline, or equivalent program; 270 hours of alcohol and drug use education within the degree–granting program or separately completed 4,000 hours of supervised work experience, and completed 300 hours of supervised practical training within the degree–granting program, as part of the supervised work experience or separately.

Career Categories:

Types of Work: Therapy Mental Health

Workplace Environment: Community-Based Setting or Patients' Homes

Private Medical Practice or Private Company

School or Institution

Types of Interaction: Direct Patient Interaction

Independently

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# Surgical Technologist

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Surgical technologists, also called operating room technicians, assist in surgical operations. They prepare operating rooms, arrange equipment, and help doctors and nurses during surgeries.

Surgical technologists typically do the following:

- · Prepare operating rooms for surgery
- Sterilize equipment and make sure that there are adequate supplies for surgery
- Prepare patients for surgery, such as washing and disinfecting incision sites
- · Help surgeons and nurses during surgery by passing them instruments and other sterile supplies

Surgical technologists work as members of a healthcare team alongside physicians and surgeons, registered nurses, and other healthcare workers.

Before an operation, surgical technologists prepare the operating room by setting up surgical instruments and equipment. They also prepare patients for surgery by washing and disinfecting incision sites, positioning patients on the operating table, and covering patients with sterile drapes. Surgical technologists prepare sterile solutions used in surgery and check that all surgical equipment is working properly. They help the surgical team put on sterile gowns and gloves.

During an operation, surgical technologists pass instruments and supplies to surgeons and first assistants. Technologists also may prepare, care for, and dispose of specimens taken for laboratory analysis. In addition, they apply dressings. After an operation, surgical technologists may help transfer patients to recovery rooms and may clean and restock operating rooms.

More Information: http://www.bls.gov/ooh/healthcare/surgical-technologists.htm

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### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 307 Number of Projected Jobs 2020: 341 Jobs Percentage Change: 11.1% Total Annual Openings: 8

Growth Outlook: Favorable
June 2013 Entry Level Wage: \$17.70
June 2013 Mean Wage: \$23.20
June 2013 Experienced Wage: \$25.95
Salary Range: \$80,000+

### **Education Requirements:**

Programs:

School: Great Bay CC
Program: Surgical Technology

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Time to Complete: 2 years
Education Levels: Associate

School Type: New Hampshire Community College

# License and Certification Requirements:

Coding Certification Required:OptionalCoding License Required:NoCertification(s) Required:No

Major Optional Certifications: Operating Room Surgical Technician Certification

Tech in Surgery- Certified Certified Surgical Technologist National Healthcareer Association

Certifying Body: National Healthcareer Association
National Center for Competency Testing

National Board of Surgical Technology and Surgical Assisting

# Career Categories:

Types of Work: Medical Support Technology

Workplace Environment: Hospital

Types of Interaction: Direct Patient Interaction

Support Role

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# For HPOP Administrators

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# Therapeutic Recreation Specialist

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Recreational therapists typically do the following:

- Assess clients' needs through observations, medical records, standardized tests, and talking with medical staff, clients' families, and the clients
- · Work with other healthcare professionals to form treatment plans
- Create programs that meet clients' needs and interests
- Plan and carry out interventions to prevent harm to a client
- Engage clients in activities, such as games, drama, and field trips
- Help clients learn social skills needed to become or remain independent
- Explain to clients ways to cope with anxiety or depression
- Record and analyze a client's progress

Recreational therapists help people reduce depression, stress, and anxiety; recover basic physical and mental abilities; build confidence; and socialize effectively. They help people with disabilities integrate into the community by teaching them how to use community resources and recreational activities.

Recreational therapists use activities, such as arts and crafts, dance and movement, or sports, to help their clients. For example, people who are paralyzed on one side may need therapists to teach them to recover basic motor skills, such as picking up a cup with their functional side.

Therapists may help people with disabilities by teaching them how to use community resources, such as public transportation or parks. They may also provide interventions to clients who need help developing new coping skills. For example, they might encourage clients who have limited social skills to play games with others.

Recreational therapists work in places such as substance abuse centers, rehabilitation centers, assisted living facilities, special education departments, and parks and recreation departments. Therapists who work in hospitals and rehabilitation centers may work with physicians, nurses, psychologists, social workers, physical therapists, and occupational therapists.

More Information: http://www.bls.gov/ooh/healthcare/recreational-therapists.htm

### Career Outlook:

Career Outlook data is specific to New Hampshire State.

Number of Jobs 2010: 58
Number of Projected Jobs 2020: 64
Jobs Percentage Change: 10.3%
Total Annual Openings: 3

Growth Outlook: Less Favorable

 June 2013 Entry Level Wage:
 \$18.74

 June 2013 Mean Wage:
 \$22.30

 June 2013 Experienced Wage:
 \$24.07

Salary Range: \$40,000 - \$60,000

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#### **Education Requirements:**

Programs:

School: University of New Hampshire

Program: Recreation Management and Policy (Therapeutic Recreation

Option)

Time to Complete: 4 years
Education Levels: Bachelor

School: University of New Hampshire

Program: Therapeutic Recreation Administration

Time to Complete: 2 years Education Levels: Master

# License and Certification Requirements:

Coding Certification Required: Yes
Coding License Required: Yes
Certification(s) Required: Yes

List of Required Certifications: Certified Therapeutic Recreation Specialist

Certifying Body: National Council for Therapeutic Recreation Certification (NCTRC)

Certification Requirements: To be certified you must complete a 480-hour twelve week

internship in therapeutic recreation services; complete a Bachelor's degree pertaining to Recreation therapy, and pass a

written examination.

License Required: Yes

Licensing Body/Regulatory Agency:

License Requirements:

New Hampshire Office of Licensed Allied Health Professionals To be certified you must complete a 480-hour twelve week

internship in therapeutic recreation services; complete a Bachelor's degree pertaining to Recreation therapy, and pass a

written examination.

# Career Categories:

Types of Work: Therapy

Workplace Environment: Hospital

Long-Term Care Facility School or Institution

Types of Interaction: Direct Patient Interaction

Independently