



PUBLIC HEALTH

Public Health professionals study, promote, and implement interventions that benefit communities as a whole.

Careers within this section include:

Biostatistician

Environmental Health Specialist

Epidemiologist

Health Educator



Biostatistician

What would I do?

Biostatisticians design studies and analyze health data to evaluate factors associated with human health and disease. Many biostatisticians work in tandem with clinical researchers to design efficient studies, analyze data, plan for contingencies and deliver reports. Workplace examples include: drug development teams evaluating the efficacy of new drugs, health insurance programs and understanding factors contributing to hospital costs and governments monitoring disease outbreaks.

Where would I work?

Biostatisticians work for pharmaceutical companies, health insurance companies, universities, state and local health departments, and other health-related government agencies.

What would I earn?

\$27,000–32,000 (bachelor's degree)

\$34,100–89,000 (master's or doctoral degree)

What do I need to know?

A strong background in math and quantitative sciences is needed for this career. Entry-level Biostatisticians have a master's degree; a doctoral degree facilitates advancement in research and academic settings.

What schools can I attend?

University of New Hampshire offers both undergraduate (BS) and graduate (MS and PhD) programs in mathematics with an option in statistics.

Where can I find more information?

American Statistical Association
1429 Duke Street
Alexandria, VA 22314-3415
(703) 684-1221
(888) 231-3473
www.amstat.org

The International Biometric Society
1444 I Street, NW, Suite 700
Washington, DC 20005-6542
(202) 712-9049
www.tibs.org

Environmental Health Specialist

What would I do?

Environmental Health Specialists are concerned with the interaction of the environment with human health. They inspect and collect samples from schools, child care centers, restaurants, workplaces, recreational areas, and health care facilities to ensure a safe, healthy environment. They also investigate outbreaks of diseases associated with food and water to identify the source.

Environmental Health Specialists may specialize in milk and dairy production; food protection; sewage disposal, land, and solid waste pollution; pesticide management; air and/or water pollution; occupational health; hazardous waste disposal; and wildlife health/management.

Where would I work?

Environmental Health Specialists may work in state, county, or local health departments; departments of environmental services or resources protection; wildlife parks; hospitals; private businesses; or private nonprofit organizations.

What would I earn?

\$30,000–61,000

What do I need to know?

Most Environmental Health Specialists have a bachelor's degree in environmental health or biological chemical sciences. Master's and doctoral degrees are increasingly becoming the standard. Certification is optional and may be obtained through the National Environmental Health Association.

What schools can I attend?

University of New Hampshire
University of New Hampshire - Manchester

Both schools offer a Masters of Public Health (MPH) program with an option in Ecology.

Where can I find more information?

American Public Health Association
Environment Section
800 I Street, NW
Washington, DC 20001-3710
(202) 777-2742
www.apha.org

National Environmental Health Association
720 South Colorado Boulevard, Suite 100-N
Denver, CO 80246-1925
(303) 756-9090
www.neha.org

National Safety Council
1121 Spring Lake Drive
Itasca, IL 60143-3201
(630) 285-1121
www.nsc.org

Epidemiologist

What would I do?

Epidemiologists identify or anticipate poor health outcomes in a population and track these trends as they change over time. They research the cause and frequency of disease or injury, as well as the common characteristics of people most likely to be affected. They use statistics, demographics, and other research methods to devise means of preventing or controlling the occurrence of poor health outcomes.

Epidemiologists specialize in health assessment and policy development. Through evaluation, they work to assure that the needs of communities are being met. They may also specialize in specific health conditions such as infectious diseases; chronic diseases; cancer; reproductive and perinatal epidemiology; cardiovascular disease; violence or injury prevention; occupational and environmental epidemiology; clinical epidemiology; and genetics and social epidemiology.

Where would I work?

Epidemiologists work within government, academia, and private industry including but not limited to federal, state, and local health departments; large health care providers; pharmaceutical companies; research-oriented universities; hospitals; and major health organizations such as the World Health Organization (WHO); the United States Department of Health and Human Services; and the Centers for Disease Control and Prevention (CDC).

What would I earn?

\$44,000–87,000

What do I need to know?

Epidemiologists come from a variety of backgrounds, but must have a strong math and science background. They usually pursue graduate-level degrees in health, earning either a Master of Public Health (MPH) or a Master of Science or a PhD in Public Health with a focus in Epidemiology. For a list of accredited schools of public health, please visit: www.asph.org.

What schools can I attend?

Dartmouth Medical School
University of New Hampshire

Dartmouth Medical School and University of New Hampshire both offer a Master of Public Health (MPH) program.

For a list of accredited schools of public health, please visit www.asph.org.



Where can I find more information?

American College of Epidemiology
1500 Sunday Drive, Suite 102
Raleigh, NC 27607
(919) 861-5573
www.acepidemiology.org

American Public Health Association
Epidemiology Section
800 I Street NW
Washington, DC 20001-3710
(202) 777-2742
www.apha.org

Association for Professionals in Infection Control and
Epidemiology, Inc.
1275 K Street NW, Suite 1000
Washington, DC 20005-4006
(202) 789-1890
www.apic.org

Association of State and Territorial Health Officials
2231 Crystal Drive Suite 450
Arlington, VA 22202
(202) 371-9090
www.astho.org

National Association of County & City Health Officials
1100 17th Street, NW, Second Floor
Washington, DC 20036
(202) 783-5550
www.naccho.org

Council of State & Territorial Epidemiologists
2872 Woodcock Boulevard
Suite 303
Atlanta, GA 30341
(770) 458-3811
www.cste.org

Health Educator

What would I do?

Health Educators are professionals who educate the public to improve individual, family, and community health. They support behavior change in order to prevent disease and promote healthy living. Health Educators design, conduct and evaluate activities on a variety of health issues including wellness, nutrition, stress management and fitness. They also coordinate programs, act as a resource, and communicate information about health to the public. Health Educators develop programs on a variety of wellness issues and work with people of all ages. Health Educators are employed under a range of job titles such as patient educators, health education teachers, trainers, community organizers, and health program managers.

Where would I work?

Health Educators may work in health departments, community public health centers, businesses, hospitals, clinics, government agencies and schools. They may also work as Prevention Specialists or in public and private colleges as teachers. Programs in school health education and college health education in academic settings are also common.

What would I earn?

\$26,000–43,000



What do I need to know?

Health Educators possess at least a bachelor's degree in health promotion, health education, public health, or community health. Graduate degrees are often required. Professional certification as a Certified Health Education Specialist (CHES) by the National Commission for Health Education Credentialing, Inc. is encouraged. Students graduating with a major of health education with a teacher certification option are eligible for K-12 health education teacher certification in the state of New Hampshire and many other states. Students should look for an approved health education program and a college, which is certified at both the state and national level by the New Hampshire Department of Education and the National Council of Accreditation of Teacher Education (NCATE).

What schools can I attend?

Plymouth State University

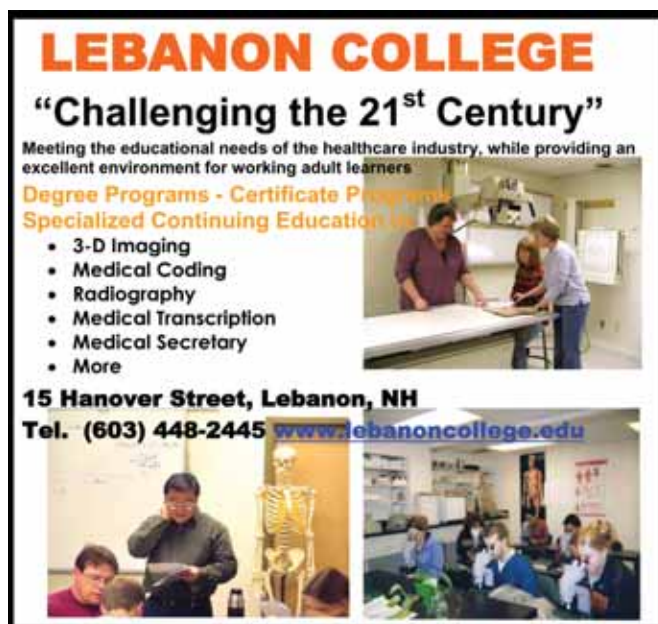
Where can I find more information?

American Association for Health Education
1900 Association Drive
Reston, VA 20191
(703) 476-3437
(800) 213-7193
www.aahperd.org/aahe

National Commission for Health Education
Credentialing, Inc.
1541 Alta Drive, Suite 303
Whitehall, PA 18052-5642
(484) 223-0770
(888) 624-3248
www.nchec.org

National Wellness Institute
1300 College Court
PO Box 827
Stevens Point, WI 54481-0827
(715) 342-2969
(800) 243-8694
www.nationalwellness.org

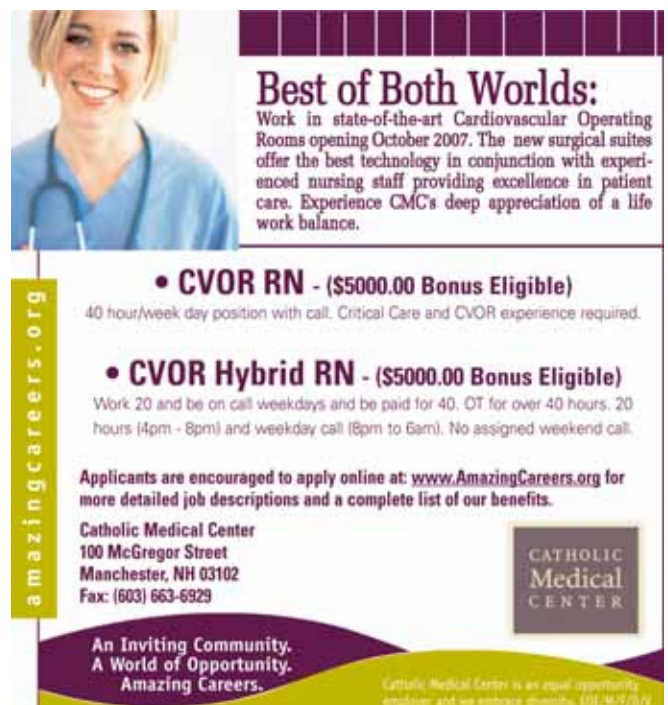
Society for Public Health Education
750 First Street NE, Suite 910
Washington, DC 20002-4242
(202) 408-9804
www.sophe.org



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