

The National Library of Medicine: A Platform for Biomedical Discovery and Data-Powered Health A 21st Century Library

What is the National Library of Medicine?

- One of the 27 Institutes and Centers of the National Institutes of Health, NLM provides essential health information services and tools for researchers, health professionals, and the public.
- NLM provides free access to biomedical data and clinical evidence through the databases and websites it creates and maintains.



The most heavily used biomedical literature citation database in the world, containing nearly 35 million citations.

Digital archive of more than 8 million freely accessible, full-text biomedical and

Why is NLM's Work Important?

- The expertise and offerings provided by NLM accelerate science, broaden collaboration, and facilitate innovation.
- NLM's online information resources translate research results into new treatments, inform clinical decision making, and improve public health.

Library of Medicine (NNLM)—a network reaching almost every U.S. congressional district, connecting NLM resources to communities.

Through NNLM's more than 8,800 members, NLM improves access to health information for all through training

[PubMed Central](#) [ClinicalTrials.gov](#)

The world's largest clinical trial registry & results database, with nearly 430,000 clinical studies & nearly 56,000 result summaries.

The world's largest publicly available repository for high-throughput sequencing data, comprising more than 60 petabytes of data.

Health information for patients and families, accessed by more than 430 million users annually.

Who Benefits from the NLM?

Millions of:

- scientists and researchers
- health professionals
- patients and their families
- members of the public

[Sequence](#)



[Read Archive](#)

NLM is the central coordinating body within HHS for clinical terminology standards for health data interoperability.

How Does NLM Reach so Many People?

NLM works with librarians across the country to connect people with scientific data and evidence. NLM leverages its **Network of the National** programs. NNLM also leads outreach, education, and engagement in support of major NIH initiatives including the *All of Us* Research Program.



[Terminology Standards](#)
life sciences journal articles.



Map of the 7 regions of the NLM-supported Network of the National Library of Medicine

Training Tomorrow's Data Scientists

Through its **University-Based Biomedical Informatics Research Training Program**, NLM funds research training programs in biomedical informatics and data science at 18 universities across the country that enroll approximately 200 predoctoral and postdoctoral trainees.

NLM launched a new **Short-Term Biomedical Informatics and Data Science Training Program** at 12 institutions to attract and retain more diverse students to these career fields.

NLM also provides summer research experiences to students interested in biomedical informatics and data science fields through its recently launched intramural **Diversity in Data Science and Informatics Summer Internship** program.

Accelerating Innovation for Better Health

NLM's research, information services, and public engagement support scientific discovery, health care, and public health.

NLM provides unique, critical support to NIH efforts and cross-government initiatives. NLM's research programs develop advanced methods to

- search for and find scientific literature, • better understand health data, and
- understand the structure and function of genes.

NLM builds sophisticated data and information

services that make data findable, accessible, interoperable, and reusable for researchers, health professionals, patients and their families, and members of the public.

There is not a biomedical discovery, a public health advance, or a clinical care action in the past 30 years that hasn't benefited from the National Library of Medicine's expertise and resources in some way.

The Medical Library Association is a nonprofit, educational organization with 3,000 health sciences information professional members worldwide. Founded in 1898, MLA provides lifelong educational opportunities, supports a knowledgebase of health information research, and works with a global network of partners to promote the importance of quality information for improved health to the health care community and the public.



The Association of Academic Health Sciences Libraries supports academic health sciences libraries and directors in advancing the patient care, research, education, and community service missions of academic health centers through visionary executive leadership and expertise in health information, scholarly communication, and knowledge management.