Services and Tools for Researchers

With our help, NIH has a secure, reliable, and fast way to share large amounts of information; access to robust computing resources for analyzing data; and the ability to share data and collaborate.

OFFERINGS
Supercomputing Services for Researchers

Conduct large-scale data analyses with NIH’s state-of-the-art supercomputer, Biowulf, ranked in the top 500 most powerful supercomputers in the world by the TOP500 project and the world’s most powerful supercomputer dedicated to advancing biomedical research. Learn more about Biowulf.

Cloud Services and Tools for Researchers

The Science and Technology Research Infrastructure for Discovery, Experimentation, and Sustainability (STRIDES) Initiative acts as a vehicle for NIH and NIH-funded researchers to gain cost-effective access to cloud environments, scientific tools and services, as well as cloud training and consultation from commercial providers. Learn more about the STRIDES Initiative and how it can benefit your research.

Customizable Bioinformatics System for Researchers

The Biomedical Research Informatics Computing System (BRICS) is a collaborative, web-based platform that supports the collection of research studies and clinical trials. Learn more about BRICS.

Data Transfer and Management for Researchers

Move, sync, and share large amounts of data within NIH and with other institutions using Globus, Helix, or Helixdrive. Learn more about Globus, Helix, and Helixdrive.

Desktop and Web-Based Scientific Tools for Researchers

Access tools for genomics, molecular and structural biology, mathematical analysis, image analysis, and other research areas through Helixweb and Sciware. Learn more about Helixweb and Sciware.
Modernized Data Networks for Researchers

Through a modernized network—both high-speed and high-bandwidth—NIH researchers and external collaborators are now transferring large research datasets at faster rates than ever.

CONTACT

- Cloud Computing Team
- Scientific Applications Team
- High-Performance Computing Team

RESOURCES

- Office of Data Science Strategy Website
- STRIDES Initiative Website
- BRICS Website
- High-Performance Computing at NIH