National Institutes of Health

ODSS-NHGRI Collaboration

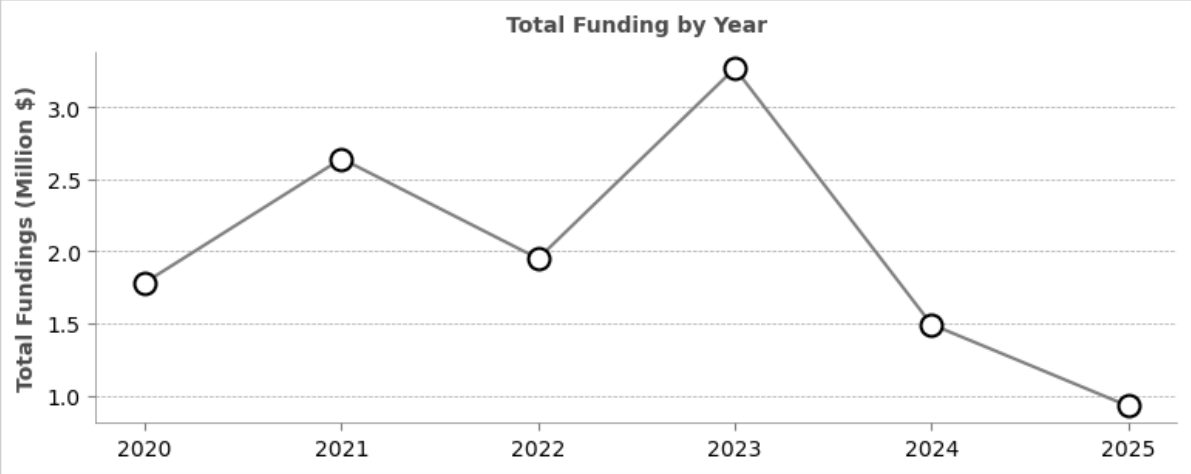
2025

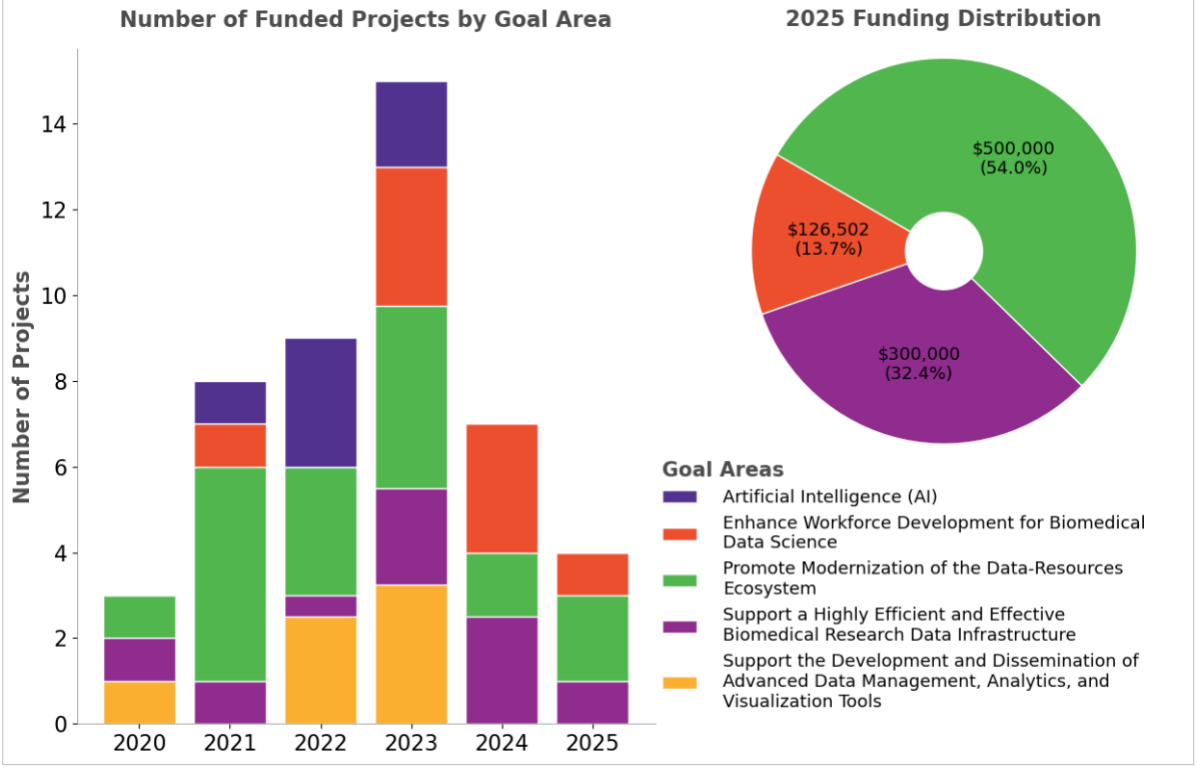


2025 ODSS Funding for NHGRI

In 2025, ODSS provided $926,502 in funding to NHGRI, supporting 4 co-funding awards across 3 goal areas.

- **Funding Trend:** Funding has remained stable around $2M from 2020-2024 with some downturn in 2025.
- **Strategic Goal Trends**: NHGRI and ODSS have consistently supported the data resource ecosystem and data infrastructure, with workforce development becoming a larger portion of the portfolio in recent years.

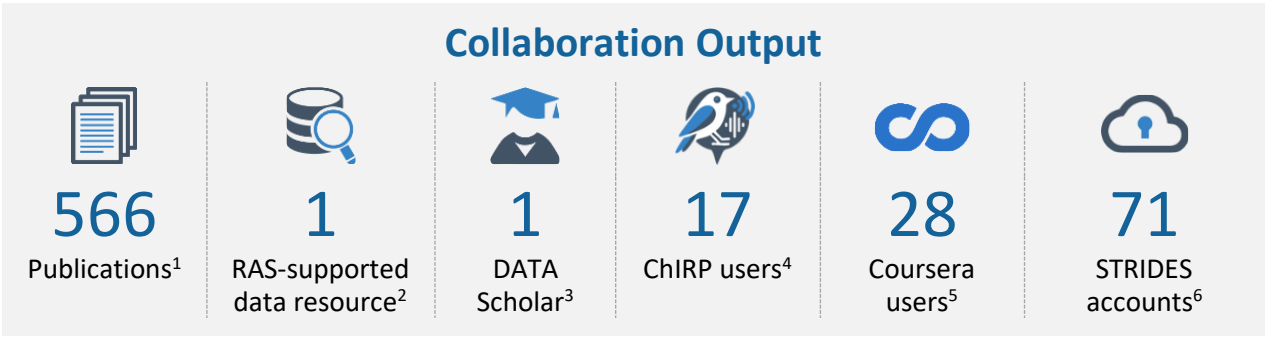




Co-funding Highlights

- **Alliance Central: A Platform For Sustainable Development of Next Generation Genome Knowledgebases (Grant #: 5 U24HG010859-07).** ODSS provided $300,000 to NHGRI to support the Alliance Central platform to advance the utility of diverse model organisms for investigating the genetic and genomic basis of human biology, health, and disease. This co-funding supports one goal area — data infrastructure development.
- **UniProt: A Protein Sequence and Function Resource for Biomedical Science (Grant #: 5 U24HG007822-12).** ODSS provided $250,000 to NHGRI to support the continued development of the UniProt Knowledgebase that provides the scientific community with a comprehensive, high-quality, and freely accessible resource of protein sequences and functional information. This co-funding supports one goal area — data resource ecosystem development.
- **The Global Alliance for Genomics and Health (GA4GH): Setting the Standards for Genomics and Health-Related Data Sharing (Grant #: 5 U24HG011025-05).** ODSS provided $250,000 to NHGRI to support the GA4GH to aid genomic research and human health by developing standards and policies for effective and responsible data sharing. This co-funding supports one goal area — data resource ecosystem development.

Collaboration Output



[1] Data sources: QVR and iTools. Fiscal Years: 2020-2025. These are output numbers associated with core awards, filtered to include only outputs that occurred after an ODSS-associated application was funded.
[2] (Collaborative support from CIT and ODSS) The NIH Researcher Auth Service (RAS) is part of NIH's efforts toward a modernized, FAIR, biomedical data ecosystem. RAS facilitates access to participating NIH data assets and repositories in a consistent, secure, and user-friendly manner and provides researchers with a single sign-on experience.
[3] ODSS sponsors the Data and Technology Advancement (DATA) National Service Scholar Program to recruit and engage advanced data science experts to come to the NIH for one or two years and help tackle challenging biomedical and health data problems. DATA Scholars are supported 50% by ODSS and 50% by the ICO where they are matched.
[4] ODSS, in collaboration with OD, CIT, NHLBI, and NIA, developed an NIH community pilot LLM chatbot called ChIRP. ChIRP is funded by ODSS and OIR, aiming to create a secure environment for NIH staff to safely explore how generative AI technologies. As of November 2025, ChIRP had 863 active users.
[5] To enhance NIH workforce training, ODSS collaborates with NLM to fund and manage the NIH Coursera Program that offers a limited number of free Coursera licenses to NIH staff. Over the course of FY25, there were a total of 1388 Coursera users, covering all 27 ICs. Please note that Coursera paused on 9/6/2025 due to contract processing delay but will restart as soon as acquisition is processed in the new fiscal year.
[6] (Collaborative support from CIT and ODSS) The NIH Science and Technology Research Infrastructure for Discovery, Experimentation, and Sustainability (STRIDES) Initiative is a partnership with commercial cloud service providers (CSPs) to allow NIH-supported researchers to affordably explore the use of cloud services and environments to streamline NIH data use.

Collaboration Highlights

NIH Cloud Platform Interoperability (NCPI) Program

Additional IC Collaborations: NCI, NICHD, NLM, DPCPSI/OSC, NHLBI

The NIH NCPI program involves multiple organizational components working together to create a federated data ecosystem, enabling researcher-driven analyses of datasets across various cloud-based platforms and repositories. The program is a collaboration between platform team members and researchers. ODSS leads the NCPI Steering Committee, which includes NHGRI representation and the NCPI Administrative Coordinating Center.