



ODSS-NICHD Collaboration

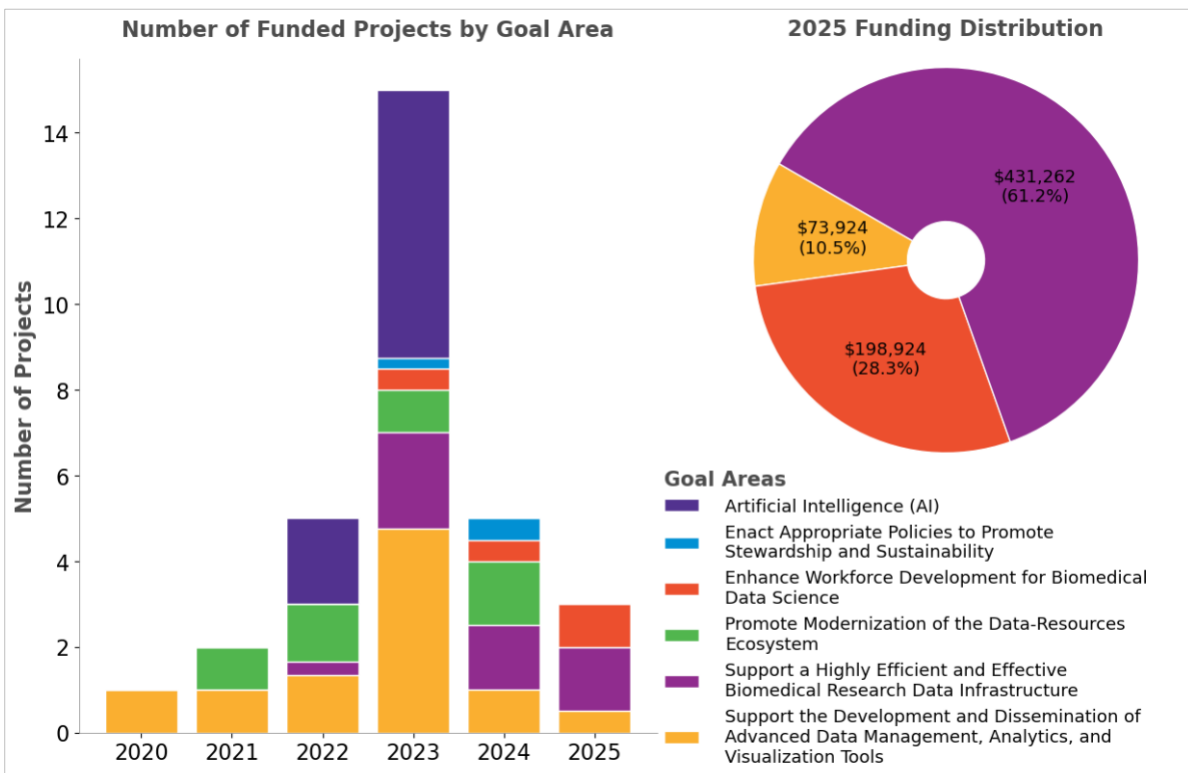
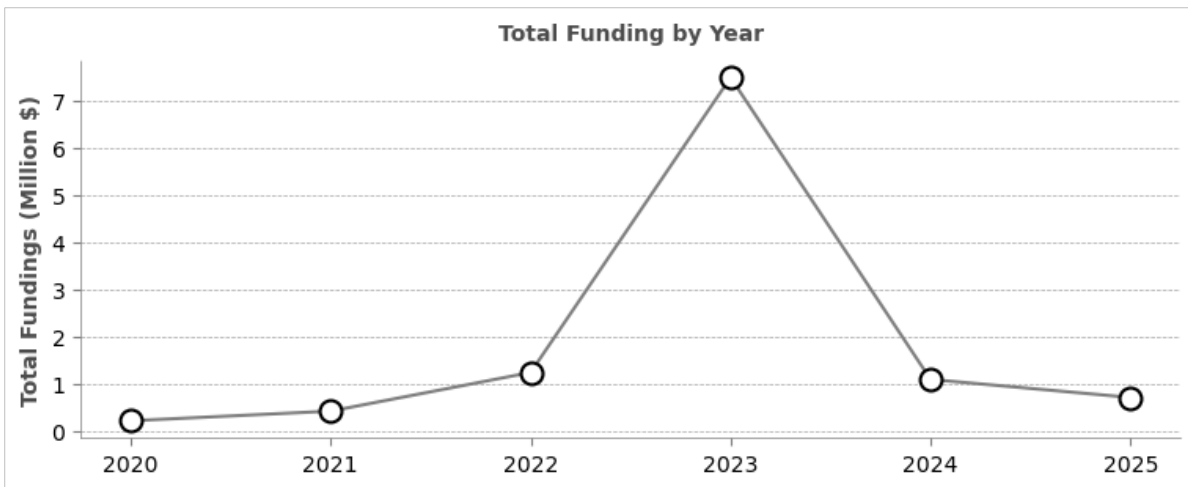
2025



2025 ODSS Funding for NICHD

In 2025, ODSS provided \$704,109 in funding to NICHD, supporting 3 co-funding awards across 3 goal areas.

- **Funding Trend:** Funding has increased more than three-fold since 2020, with a peak in 2023 resulting from several maternal/pediatric health and data system investments.
- **Strategic Goal Trends:** NICHD and ODSS have consistently partnered to develop advanced tools and data infrastructure, with substantial investments in data resource ecosystem and AI-related activities in previous years.



Co-funding Highlights

- **Microdata for Population Dynamics and Health Research (Grant #: 3 R01HD043392-23S1).** ODSS provided \$306,262 as a supplemental grant to NICHD to enhance the cloud-computing component of the project by exploring and testing the suitability and costs associated with providing researchers access to the IPUMS online analysis system. This co-funding supports one goal area — data infrastructure development.
- **Washington University Intellectual and Developmental Disabilities Research Center (IDDR@WUSTL) (Grant #: 3 P50HD103525-05S2).** ODSS provided \$250,000 to NICHD as an administrative supplement to support the IDDR@WUSTL's comprehensive approach to understanding, ameliorating, and preventing neurodevelopmental disability through translational scientific investigation. This co-funding supports two goal areas — data infrastructure and workforce development.
- **Artificial Intelligence and Precision Nutrition Training Program (Grant #: 5 T32HD113301-03).** ODSS provided \$147,847 to NICHD to support Cornell University to leverage their existing strengths and initiatives to implement a novel program to train the next generation of scientists in the domains of AI and precision nutrition to address the future needs for the nutrition workforce. This co-funding supports two goal areas — advanced tools and workforce development.



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 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.

³ 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.

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 (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.

Collaboration Highlights

- ODSS led NIH-wide collaborations to develop and implement common data elements (CDEs) in priority areas such as chronic, autoimmune, and immune-mediated conditions. ODSS collaborated with NICHD for the following CDE projects:
 - Collaborative Pediatric Critical Care Research Network – Common Data Elements
 - Pelvic Floor Disorders Network Data Coordinating Center
- Transforming Big Data into AI-ready data for nutrition and obesity research - [this study](#) by researchers from Cornell University, supported by the ODSS co-funded NICHD Advanced Training in AI for Precision Nutrition Science Research (AIPrN) program, explored how vast and complex datasets in obesity and nutrition research can be processed into formats suitable for AI/ML analysis.
- NIH Cloud Platform Interoperability (NCPI) Program
Additional IC Collaborations: NCI, NLM, DPCPSI/OSC, NHGRI, 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 NICHD representation and the NCPI Administrative Coordinating Center.