



ODSS-NINDS Collaboration

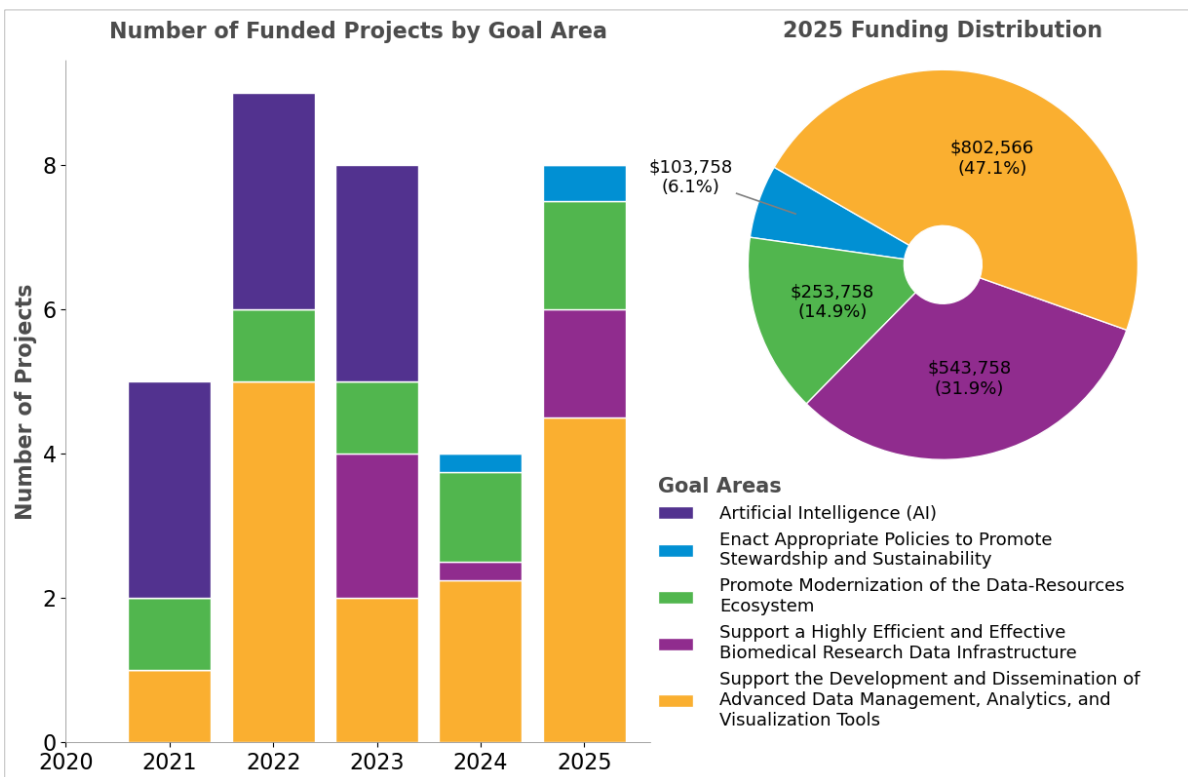
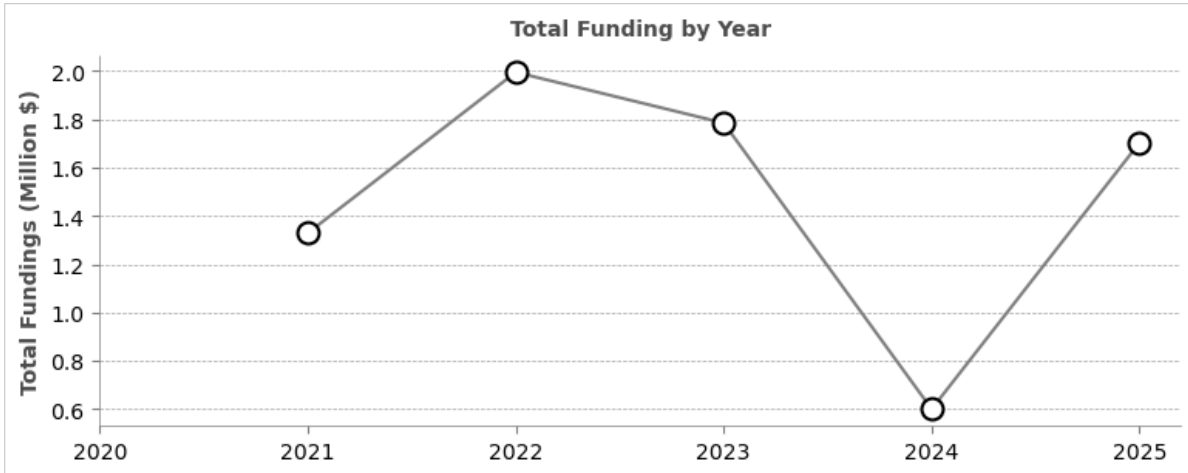
2025



2025 ODSS Funding for NINDS

In 2025, ODSS provided \$1,703,841 in funding to NINDS, supporting 8 co-funding awards across 4 goal areas.

- **Funding Trend:** Funding has been steadily except the drop in 2024.
- **Strategic Goal Trends:** NINDS and ODSS have consistently partnered to develop advanced tools and the data resource ecosystem, with substantial investments in AI in previous years and increase in data infrastructure and data stewardship investments in recent years.



Co-funding Highlights

- **Common Data Elements for Meaningful and Generalized Integration of post-traumatic epilepsy (PTE) Research (Grant #: 3 U24NS134536-02).** ODSS provided \$269,261 to NINDS to support the standardization of post-traumatic epilepsy PTE common data elements (CDEs) and to make them readily available through the Epilepsy Science Portal and NLM. This co-funding supports four goal areas — data infrastructure, data resource ecosystem, and advanced tools development, and data stewardship.
- **SCH: Using Data-Driven Computational Biomechanics to Disentangle Brain Structural Commonality, Variability, and Abnormality in ASD (Grant #: 5 R01NS135574-03).** ODSS provided \$150,000 to NINDS to support the development of a transformative brain structural network descriptor with the help of massive brain imaging data and computational model to advance our fundamental understanding of brain development and autism spectrum disorders (ASD). This co-funding supports one goal area — advanced tools development.
- ODSS provided \$440,000 to NINDS to support **the NINDS Center for Clinical Trial Resources (Grant #: 75N95022C00041-P00004-9999-1).** This co-funding supports one goal area — data infrastructure 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 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, 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.

⁴ 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.

⁵ 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.

* The DATA scholar's supervisor is in CIT but worked on projects in NINDS.

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

- ODSS led NIH-wide collaborations to develop and implement CDEs in priority areas such as chronic, autoimmune, and immune-mediated conditions. ODSS collaborated with NINDS for the following CDE projects:
 - Common data elements for meaningful and generalized integration of post-traumatic epilepsy (PTE) Research [PO: Dr. Stevern Churn]
 - Center for clinical trial resources - traumatic brain injury [PO: Dr. Maria Mendoza-Puccini]In addition, Dr. Maria Mendoza-Puccini serves as a co-chair on the NIH CDE Development Working Group.
- Dr. Maria Bagonis, a DATA Scholar from NINDS, served as a panelist at the 2025 Addressing Gaps, Challenges, and Opportunities Related to Data and Metadata Standards for NIDDK Research Priorities workshop. Dr. Bagonis contributed a data scientist's perspective during a multidisciplinary panel focused on advancing standardization efforts in diabetes, obesity, nutrition, and kidney-related research data.