National Institutes of Health

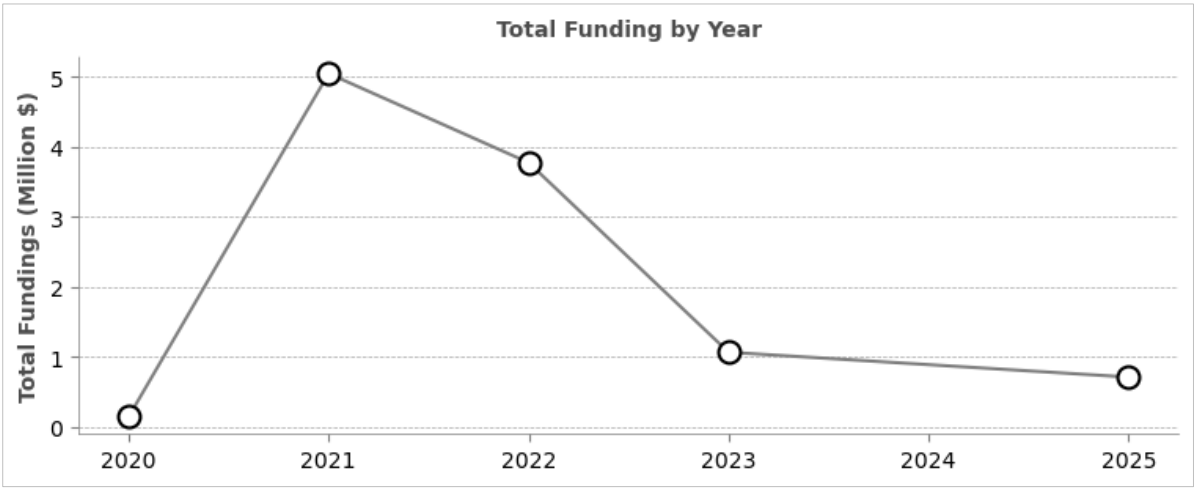
ODSS-NIA Collaboration

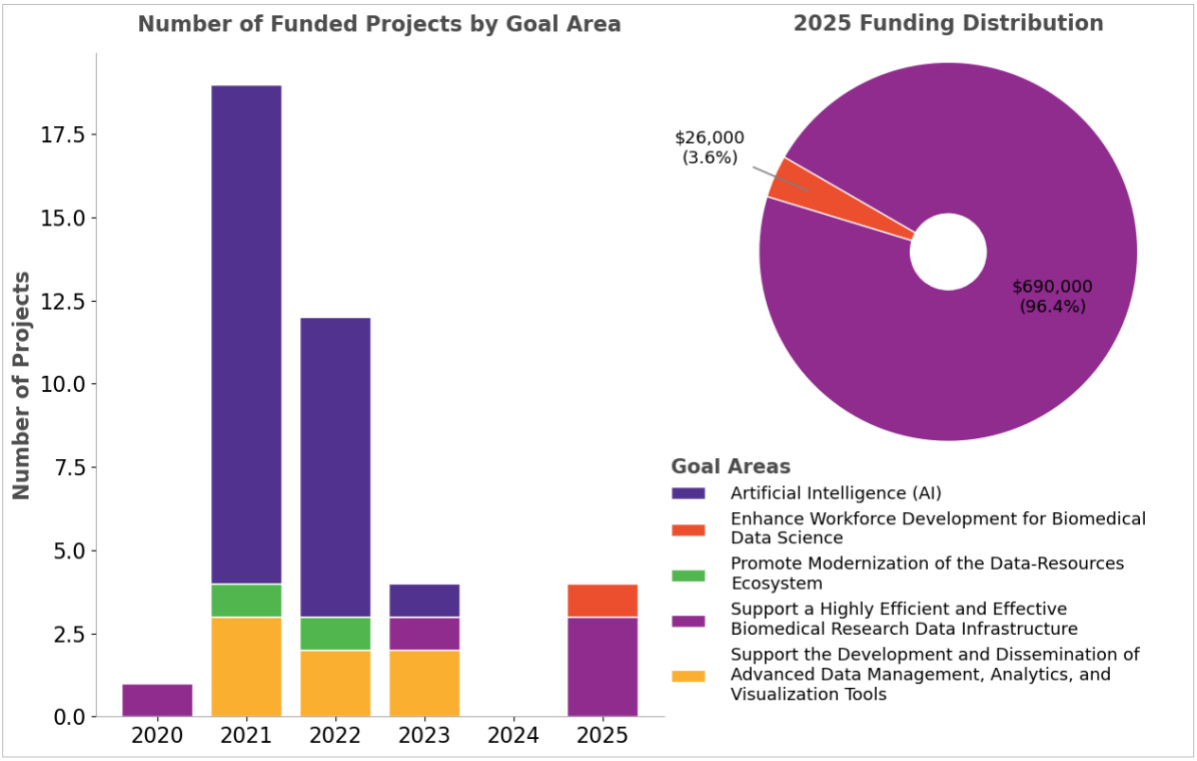
2025

2025 ODSS Funding for NIA

In 2025, ODSS provided $716,000 in funding to NIA, supporting 4 co-funding awards across 2 goal areas.

- **Funding Trend:** Funding increased more than seven-fold from 2020-2023, with 2025 levels near 2023 level.
- **Strategic Goal Trends**: NIA and ODSS partnered most consistently in developing advanced tools and AI in previous years, with data infrastructure and workforce development efforts making up the portfolio in 2025.

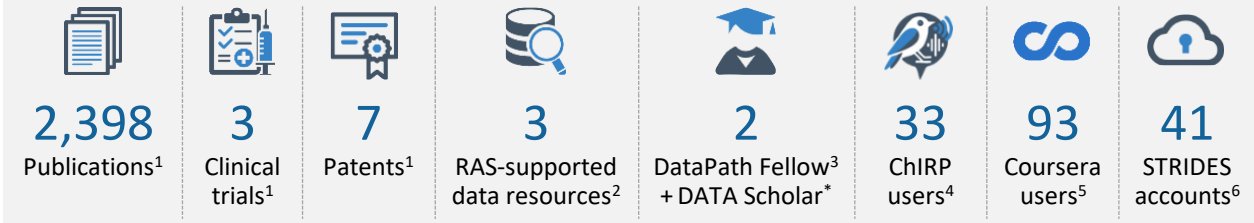




Co-funding Highlights

- **Detecting synergistic effects of pharmacological and non-pharmacological interventions for Alzheimer's disease (AD) and associated dementia (ADRD) (Grant #: 3 R01AG078154-04S1).** ODSS provided $335,000 as a supplemental grant to support the develpment of large language models to create the knowledge graph (PANIA-KG) and interactive applications by utilizing advanced cloud technologies. This co-funding supports one goal area — data infrastructure development.
- **Multiomics data integration methods to discover putative causal variants, genes and patient heterogeneity for Alzheimers disease (Grant #: 3 R01AG076901-03S1).** ODSS provided $329,000 as a supplemental grant to support the parent project to efficiently conduct multi-omics analysis to uncover causal variants and molecular processes underlying Alzheimers disease. This co-funding supports one goal area — data infrastructure development.
- ODSS provided $26,000 to NIA to support the project **Clustering of Rehospitalization Risk Factors and Identification of Associated Home Health Interventions in Aging Sepsis Survivors Receiving Home Healthcare (Grant #: 1 F99AG095132-01).** This co-funding supports one goal area — workforce 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. ODSS in collaboration with the General Services Administration's U.S. Digital Corps (USDC) in the DataPath Fellow Program to recruit and engage early career data professionals. DATA Scholars and DataPath Fellows 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 NIA.
[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.
[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

- ODSS collaborates with the General Services Administration's U.S. Digital Corps (USDC) program and uses the Pathway mechanism to recruit early career technologists in one of the five skill tracks: software engineering, data science and analytics, product management, design, and cybersecurity. In FY25,ODSS hosted a welcome orientation to greet the first cohort of 6 fellows, including one Data Science and Analytics Fellow at NIA for the project - the Dark Matter of Data Sharing.
- ODSS, in collaboration with OIR, OD, CIT, NHLBI, and NIA, developed and implemented a NIH community pilot LLM chatbot called ChIRP to create a secure environment for NIH staff to safely explore how generative AI technologies. As of Nov 2025, ChIRP has 863 active users, including 400 in research, 306 in administrative, and 157 in other.