



ODSS-NCATS Collaboration

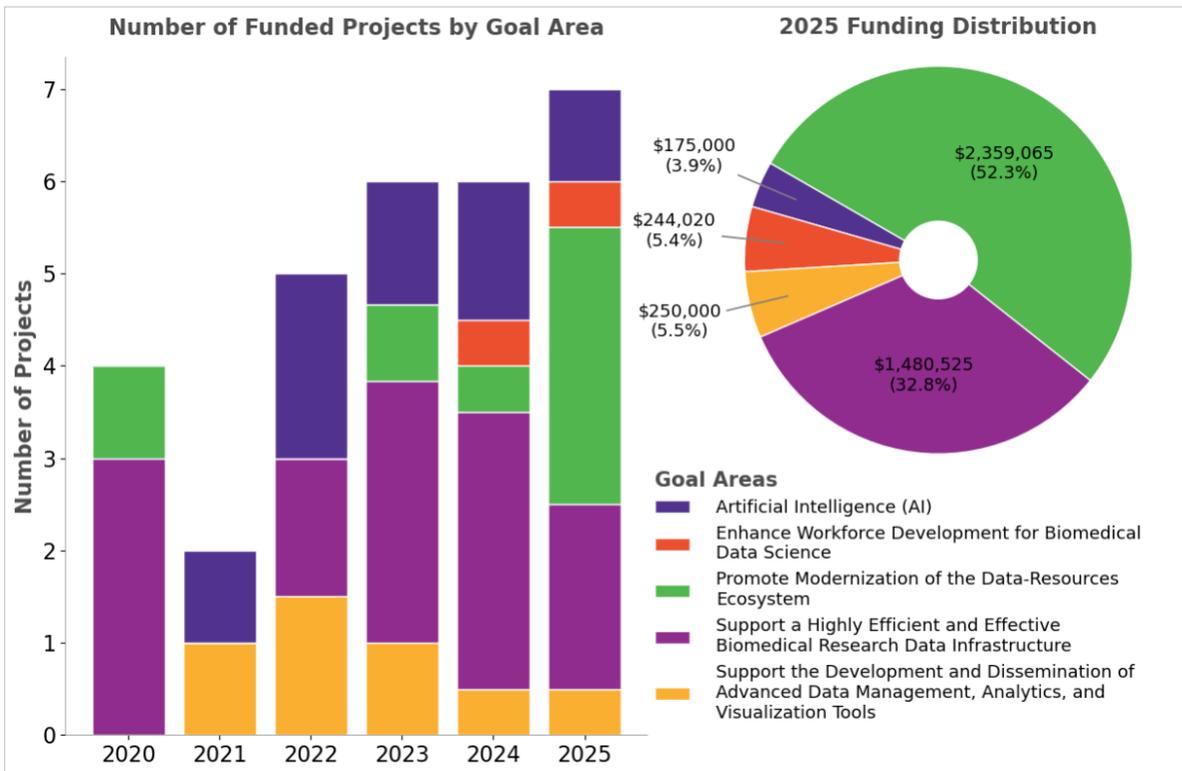
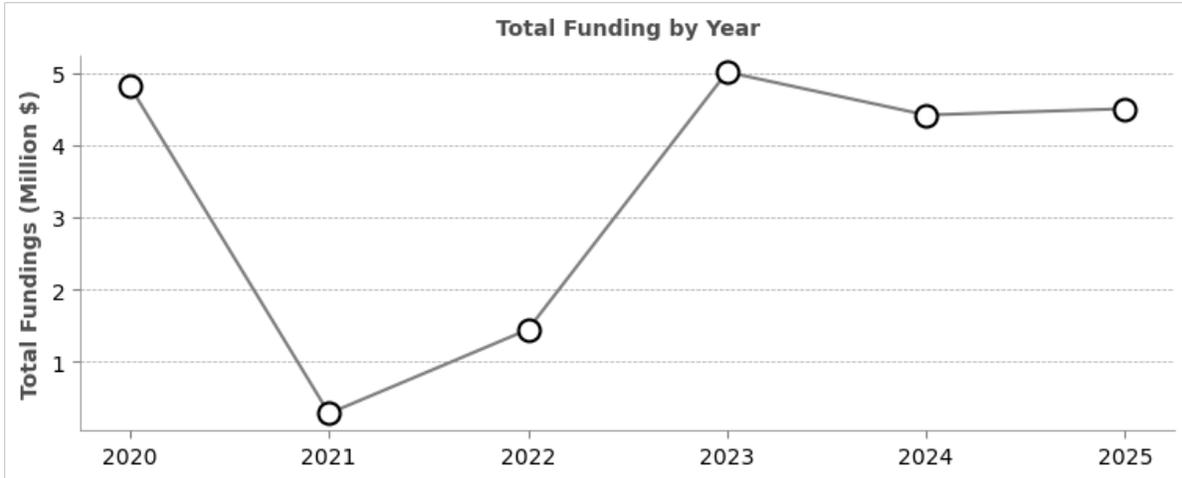
2025



2025 ODSS Funding for NCATS

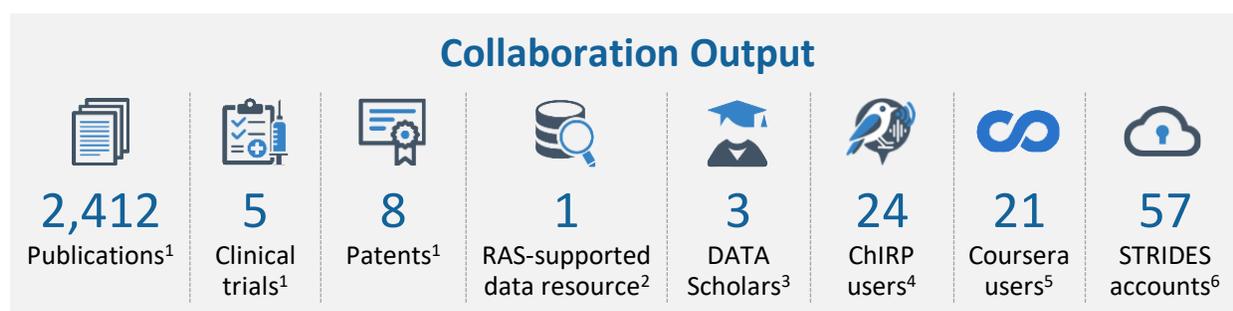
In 2025, ODSS provided \$4,508,609 in funding to NCATS, supporting 7 co-funding awards across 5 goal areas.

- **Funding Trend:** Funding dipped (due to substantial COVID-19 investments in 2020) but has since nearly returned to 2020 levels (a 13-fold increase from 2021).
- **Strategic Goal Trends:** NCATS and ODSS have consistently partnered to develop data infrastructure, advanced tools, data resource ecosystem and AI.



Co-funding Highlights

- ODSS provided a total of \$3,220,571 to NCATS to support **DataCOUNTS (Contract #: GS-35F023GA)**. This co-funding supports two goal areas — data infrastructure and data resource ecosystem development.
- **Ethical and Human Factors Impacting Successful Translation of Perceptual Computing to Improve Clinical Care (Grant #: 5 R01TR004243-04)**. ODSS provided \$175,000 to NCATS to systematically address unresolved ethical concerns and barriers to harnessing emotional and biobehavioral perceptual computing data to improve clinical care. This co-funding supports one goal area — AI.
- ODSS awarded \$125,000 to NCATS to support **High-Value Datasets(HVD) program project: Rare Disease Based Multi-OMICS Knowledge Graph (RD-OMICS) Development**. 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 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

- The AIM-AHEAD Consortium and NCATS have partnered to offer a unique, highly-focused Health Data Science Training Program to equip motivated early/mid-career professionals across America with the technical skills and practical experience needed to launch or expand their careers in health data science. In Cohort 1 and Cohort 2, 105 trainees completed an intensive 8-month program in advanced statistical and computational data analysis. The Cohort 3 applications are now being reviewed.
- ODSS awarded \$500,000 to support NAIRR Secure Demonstration Project Work. NCATS is a key collaborator on two NAIRR Secure demonstration projects (1) synthetic data generation with large RWD; (2) Althena: institutional LLM assisted biomedical question answering.
- ODSS is partnering with NCATS Code Map Services to expand interoperability between Fast Healthcare Interoperability Resources (FHIR) and Observational Medical Outcomes Partnership (OMOP) in a project titled *“Expanding FHIR Interoperability: Reverse Mapping and Enhanced Data Standards for Translational Research”*.