



ODSS-NIBIB Collaboration

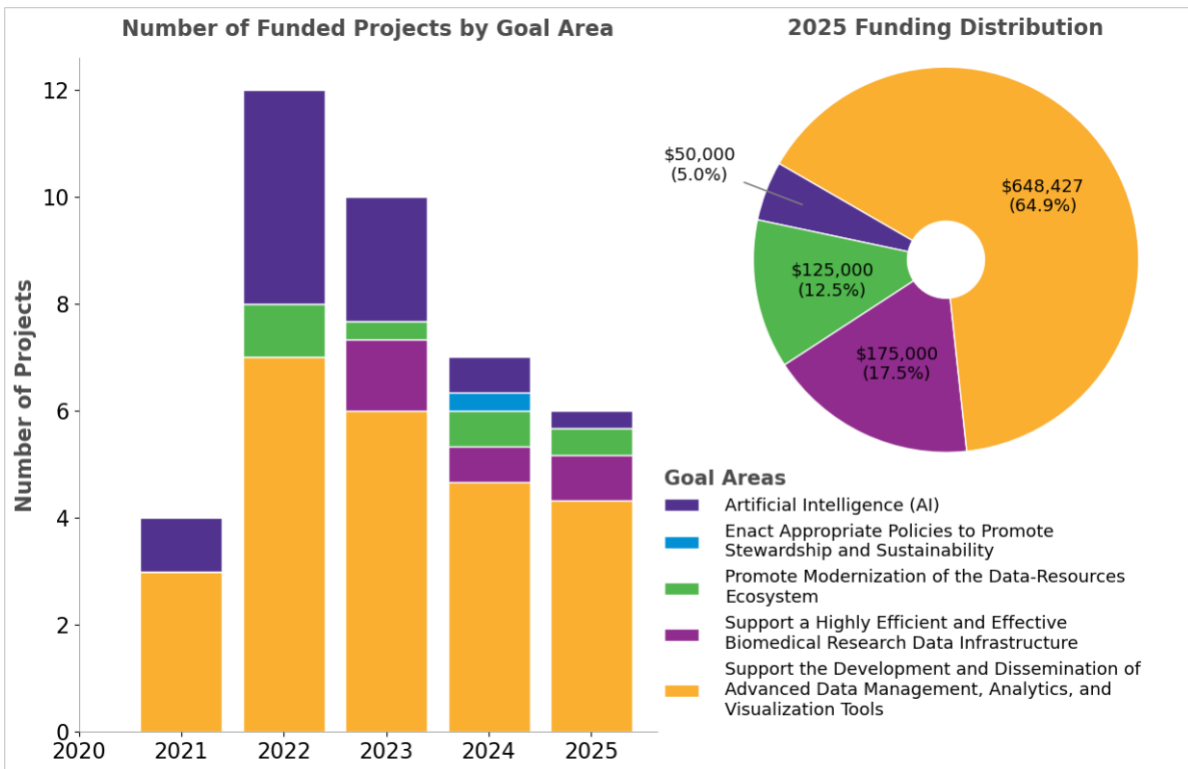
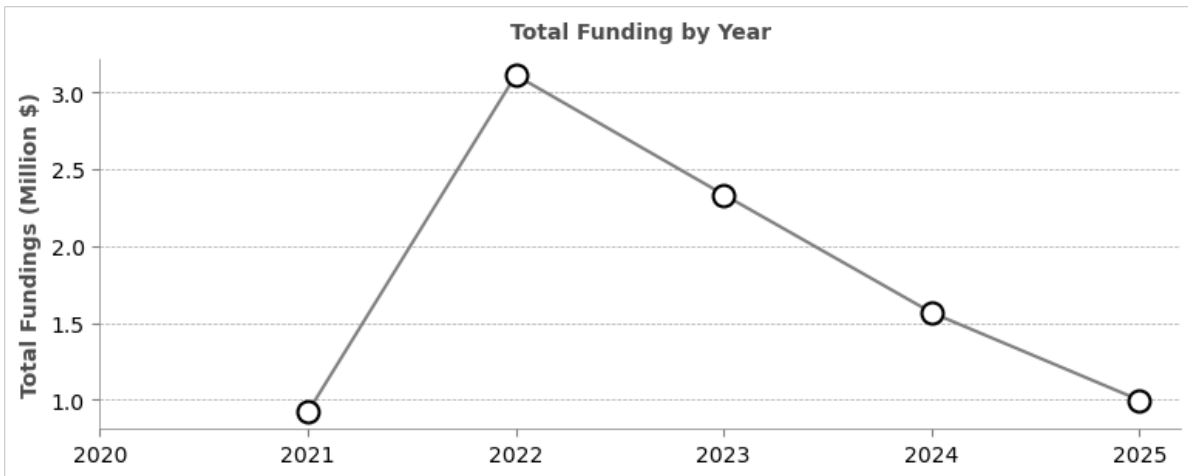
2025



2025 ODSS Funding for NIBIB

In 2025, ODSS provided \$998,427 in funding to NIBIB, supporting 6 co-funding awards across 4 goal areas.

- **Funding Trend:** Funding surged in 2022 and has since fallen to near 2021 levels.
- **Strategic Goal Trends:** NIBIB and ODSS have consistently partnered to develop advanced tools and AI, with substantial investments in data resource ecosystem and data infrastructure.



Co-funding Highlights

- **PhysioNet: A FAIR and sustainable data repository (Grant #: 1 U24EB037545-01).** ODSS provided \$250,000 to NIBIB to keep the PhysioNet on a sustained path of growth, enabling it to keep pace with the exponentially increasing demand for its resources. This co-funding supports two goal areas — data infrastructure and data resource ecosystem development.
- **Vortex: An Open-Source Library for Building Real-Time Optical Coherence Tomography Engines (Grant #: 1 R03EB038015-01).** ODSS provided \$230,876 to NIBIB to support the Vortex library to develop next-generation eye imaging technologies involved in the diagnosis and management of the top three blinding retinal diseases. This co-funding supports one goal area — advanced tools development.
- **SCH:Toward A Smart, Home-Use System for Noninvasive, Personalized Monitoring of Drug Levels (Grant #: 5 R01EB036841-02).** ODSS provided \$150,000 to NIBIB to support the creation and validation of a device that uses chemical sensing and AI to measure the drug level in patients’ saliva to rapidly find their optimal dosing plan and improve their quality of life. This co-funding supports three goal areas — data infrastructure, data resource ecosystem and advanced tools 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 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.

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 (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 continued to support MIDRC NAIRR Pilot Project to build a long-term sustainable, efficient, and impactful data ecosystem. This effort continues with developing training content demonstrating utility of interoperable data and creation of a medical imaging AI data resource and NAIRR user engagement resource. The project will help pave the way for health-related data to be leveraged in full NAIRR implementation.
- ODSS monthly data sharing and reuse seminar series provides an opportunity for the ICOs to highlight data science and informatics efforts and programs to the larger research community. NIBIB hosted two seminars in the FY25:
 - “The Role of MIDRC in Medical Imaging AI” in Oct 2024
 - “Data Sharing in the Real World” in Sept 2025