



ODSS-NEI Collaboration

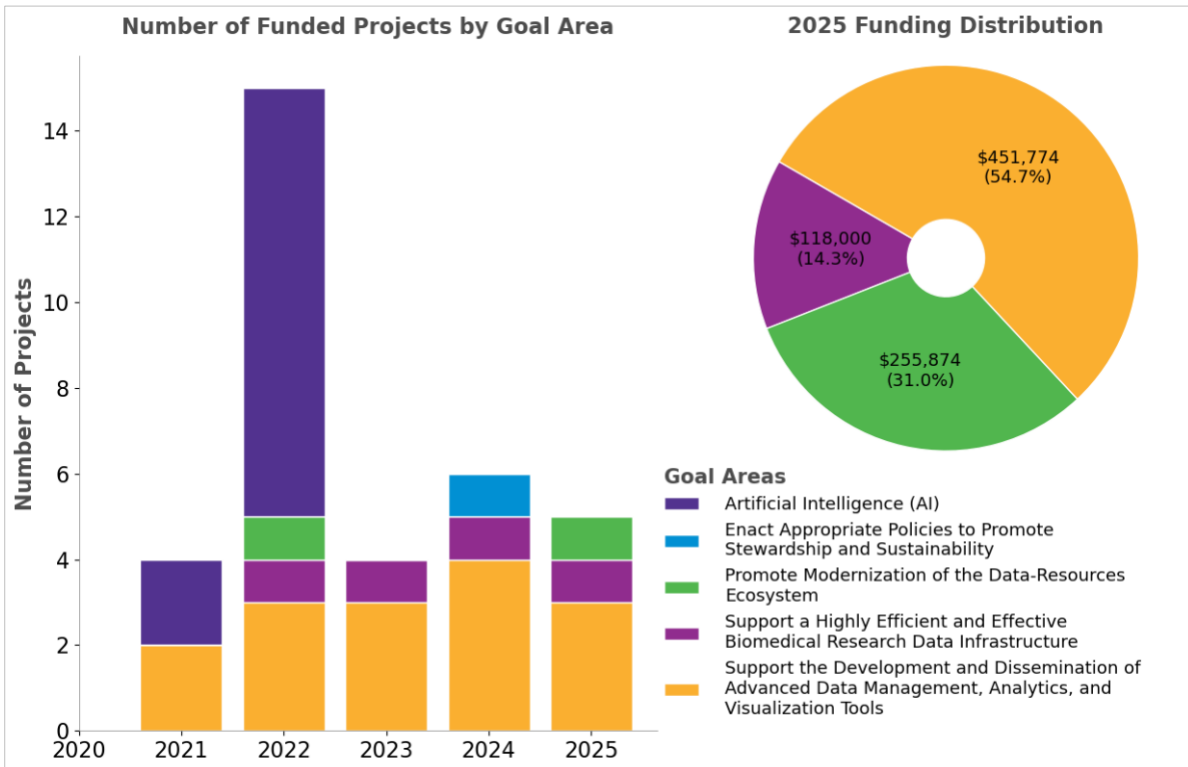
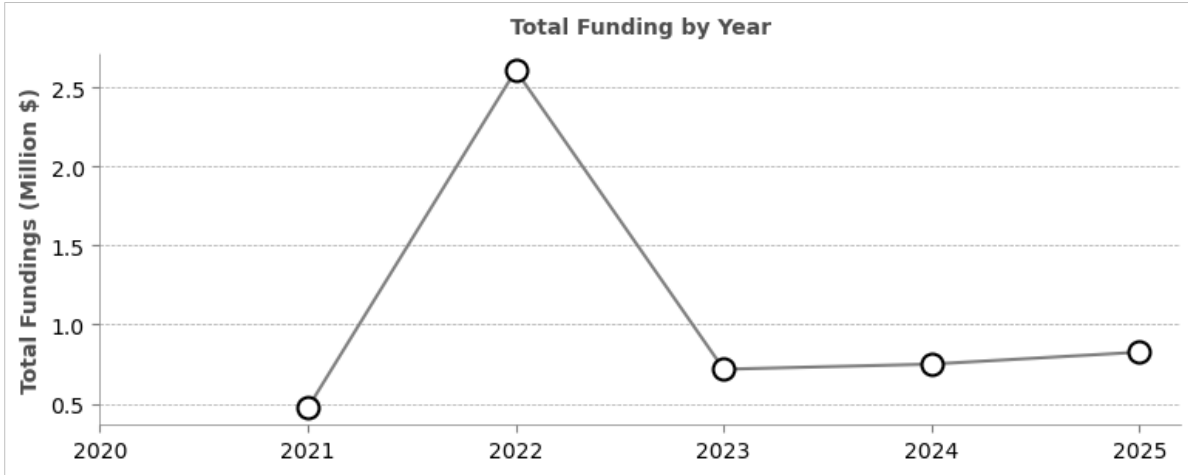
2025



2025 ODSS Funding for NEI

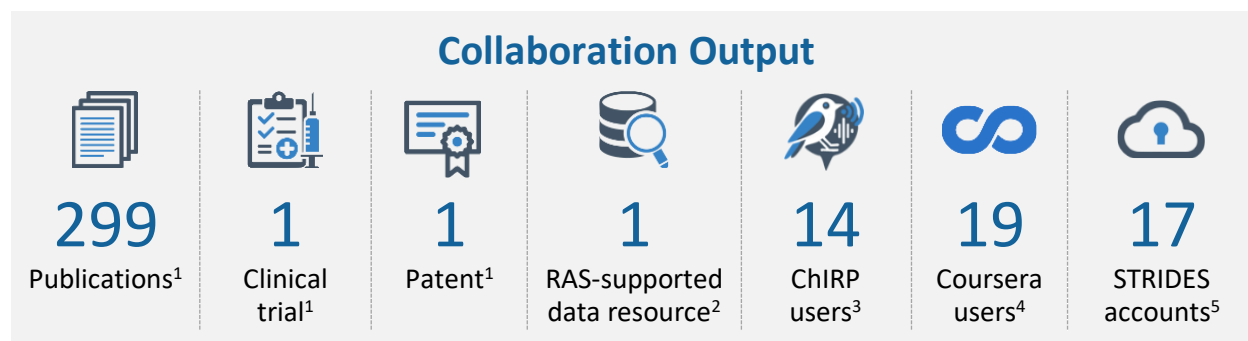
In 2025, ODSS provided \$825,648 in funding to NEI, supporting 5 co-funding awards across 3 goal areas.

- **Funding Trend:** Funding has mostly remained steady since 2021, with a jump in 2022.
- **Strategic Goal Trends:** NEI and ODSS have consistently partnered to develop advanced tools and data infrastructure with surges in AI spending in previous years.



Co-funding Highlights

- **Long-Term Ocular Sequelae and Biological Determinants of Post-Acute Ebola Virus Disease (Grant #: 1 U01-EY-038042-01).** ODSS provided \$255,874 to NEI to support the assessment of the prevalence and biological determinants of ocular Post-Acute Sequelae of Ebola virus disease (PASE) to yield insights into interventions. This co-funding supports the use and development of common data elements (CDE) in streamlining the case report form (CRF) design process and promotes compliance with regulatory and data management standards.
- **Software Tools for Creating Standardized Multimodal EHR Datasets for Advancing Ophthalmic Research Using AI (Grant #: 1 R50EY038047-01).** ODSS provided \$151,774 to NEI to support the development of tools to enhance data quality, extract key clinical concepts, and standardize multimodal datasets for ophthalmology research. This co-funding supports one goal area — advanced tools development.
- **SCH: SEEthroughGLAUCOMA: Smart Eye Emulator (SEE) to Study Glaucoma Risk Factors (Grant #: 5 R01EY034718-05).** ODSS provided \$150,000 to NEI to support the development of an innovative method for interpreting weighted contributions risk factors for glaucoma and a framework to assist clinicians in directing care. This co-funding supports one goal area — 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 (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 (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 supported the Data Sharing Index (S-Index) Challenge spearheaded by the NEI. The S-index Challenge aims to incentivize and reward data sharing excellence, promoting a new metric for assessing how effectively researchers share valuable data, driving a culture of openness in science. Phase 1 of this challenge was completed successfully and the challenge has now progressed to Phase 2.
- Dr. Michelle Hribar, a former DATA Scholar at NEI and currently an Assistant Professor at Oregon Health and Science University (OHSU), was one of four winners of the \$1M NEI OHDSI Eye Care and Imaging Challenge. Dr. Hribar received \$250,000 to lead a project at OHSU to integrate ophthalmic imaging and examination data into the OMOP Common Data Model. Her team's work enhances interoperability and enables AI and federated learning for vision research across global datasets.