

ODSS-NIDCR Collaboration

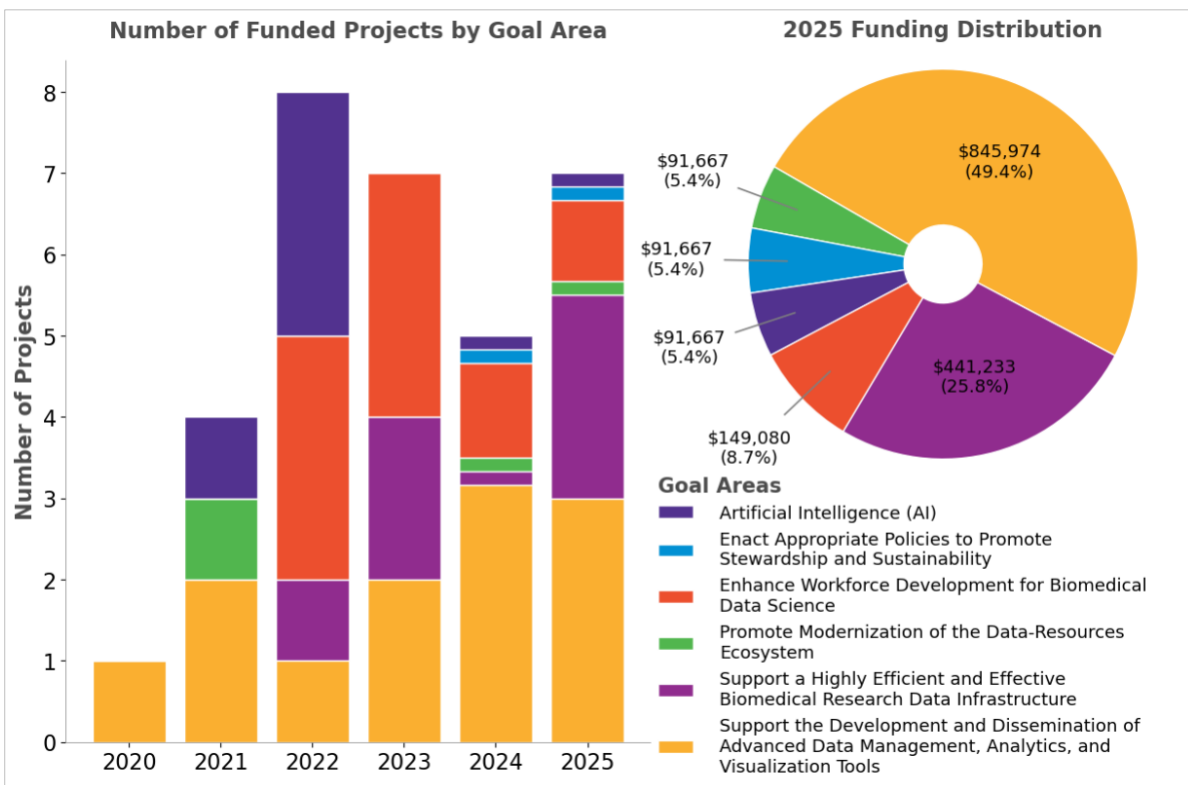
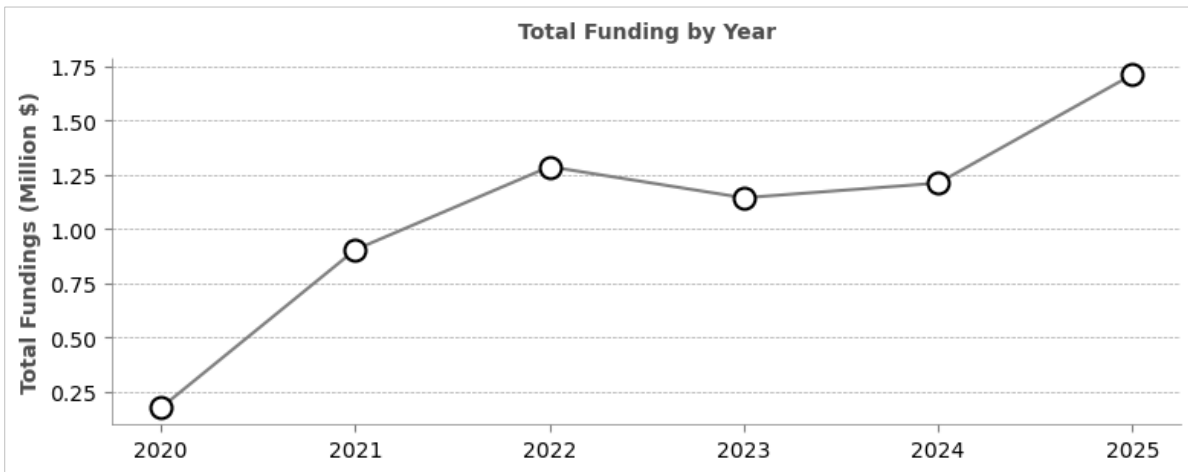
2025

A decorative graphic at the bottom of the page consisting of a network of white and light blue lines connecting various points, resembling a molecular structure or a data network, set against a dark blue background with a subtle grid pattern.

2025 ODSS Funding for NIDCR

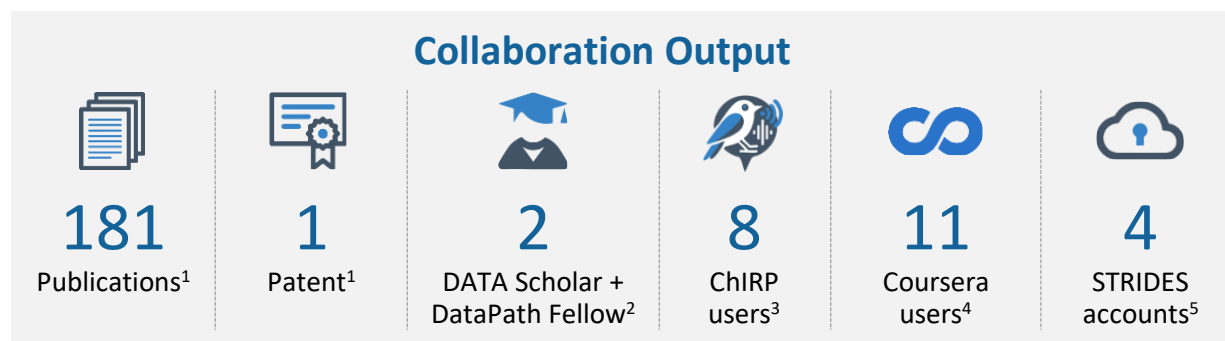
In 2025, ODSS provided \$1,711,287 in funding to NIDCR, supporting 7 co-funding awards across 6 goal areas.

- **Funding Trend:** Funding has increased nearly ten-fold since 2020.
- **Strategic Goal Trends:** NIDCR and ODSS have consistently partnered to develop advanced tools and data infrastructure, and address workforce development needs.



Co-funding Highlights

- **Developing an Ontology for Dental Care-Related Fear and Anxiety: Toward an Understanding of Problems in Dental Care Utilization (Grant #: 5 U01DE033978-02).** ODSS provided \$611,443 to NIDCR to support the creation of a controlled vocabulary for terms defining and classifying dental-care related fear, anxiety, and phobia. This co-funding supports one goal area — advanced tools development.
- **USC Facebase IV Craniofacial Development and Dysmorphology Data Management and Integration Hub (FaceBase IV) (Grant #: 5 U24DE034163-02).** ODSS provided \$550,000 to NIDCR to expand the the scope and scale of the existing FaceBase data repository resource to include research across all of dental, oral and craniofacial areas and across the translational spectrum. This co-funding supports all six goal areas — data infrastructure, data resource ecosystem, advanced tools and workforce development, data stewardship and AI.
- **NIDCD Temporal Bone Resource (Grant #: 3 U24DE034163-01S1).** ODSS provided \$250,000 to NIDCR to support the creation of a new data-sharing resource to rehost the Temporal Bone Database onto the technology platform that is consistent with the FaceBase data repository. 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 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.

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 led NIH-wide collaborations to develop and implement common data elements (CDEs) in priority areas such as chronic, autoimmune, and immune-mediated conditions. ODSS collaborated with NIDCR for an ontology project with Dr. Noffisat Oki - Developing an Ontology for Dental Care-Related Fear and Anxiety: Toward an Understanding of Problems in Dental Care Utilization.
- Dr. Jay Patel, a Dentist and Clinical Informaticist from Temple University supported by ODSS/AIM-AHEAD and NIDCR presented his innovative work on whole-person care by integrating electronic health records and dental health records, two systems that have traditionally operated in isolation, at the July NIH Data Sharing and Reuse Seminar Series.
- Dr. Vidhya Venkateswaran, an NIDCR DATA Scholar, developed and led the launch of the NIDCR Data-Driven Science (DDS) Hub, a comprehensive, centralized knowledgebase designed to empower investigators in the dental, oral, and craniofacial sciences.