The Ohio State University CCTS is developing a comprehensive support system for researchers to work with existing datasets through **data curation and access, financial support** for innovative research ideas, and **education** about practical data issues and challenges.

**DATA CURATION & ACCESS**

The Center for the Advancement of Team Science, Analytics, and Systems Thinking in Health Services and Implementation Science Research (CATALYST) DataCore

CATALYST was formed by The Ohio State University College of Medicine to advance T3 research at Ohio State. As part of that mission, the CATALYST DataCore (CDC) is being developed for researchers across the College of Medicine to streamline and expand access to data that accelerates discovery and leads to funded research. The CDC will improve investigator access by using automation to select the data they want and then automatically pull it into the statistical analysis software of their preference, including harmonized data.

The following deidentified data will be included in the data commons:

- Women's Health Initiative (WHI) Investigator Data
- National Cancer Database (NCDB)
- National Clinical Trials Network / NCI's Community Oncology Research Program (NCORP) Data Archive
- National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) biorepository
- Other datasets

**RESEARCH SUPPORT**

**Artificial Intelligence / Machine Learning Pilot Initiative**

- Initiative to support transformative research that leverages the power of artificial intelligence and machine learning
- **$50,000** in direct costs for one year per awarded project
- 37 initial abstracts submitted in 2019
- 6 computational fields from applicants:
  - Imaging informatics
  - Diagnostic analytics
  - Oncology
  - Clinical decision system
  - Population health
  - Other
- 55 peer reviewers, both academic and community
- 5 funded applications in basic science, clinical, and population health research in 2019

**Secondary Analysis of Existing Datasets Pilot Initiative**

- Initiative to catalyze research & collaboration using nationally available or accessible datasets
- **$15,000** in direct costs for one year per awarded project
- 29 applications in 2019
- 6 human health focus areas from applicants:
  - Cardiometabolic / Endocrine
  - Cancer
  - Neurological
  - Public Health
  - Digestive Disease
  - Other
- 61 reviewers
- 7 funded applications in basic science, clinical, and population health research in 2019

**EDUCATION**

Rethink, Reuse, Research: Secondary Analysis of Existing Data

New monthly seminar series to educate researchers about existing datasets and how they can be used for research:
- Focus on practical issues and challenges in using existing data for research.
- Led by biostatisticians and faculty with hands-on data experience.

**PROPOSED TALK SCHEDULE:**

- **Women's Health Initiative (WHI) Investigator Data**
- **National Cancer Database (NCDB)**
- **National Clinical Trials Network / NCI's Community Oncology Research Program (NCORP) Data Archive**
- **Pediatric data from Partners for Kids (PPK)**
- WHI Life and Longevity After Cancer (ULAC) + ancillary studies