Launched in fall of 2017, The CTSA National Center for Data to Health is tasked with coordinating informatics across the CTSA Program so that it can be more effectively leveraged to accelerate innovation and improve patient care. With its wealth of informatics tools and broad expertise, the CTSA community can collaboratively solve key informatics challenges across the translational spectrum, and CD2H is here to help.

- Share and reuse data
- Discover and collaboratively build tools
- Connect with experts
- Elevate informatics fluency
- Innovate together in the realm of informatics

**THE CD2H APPROACH**

Our collaborative approach harnesses expertise and strengths across the translational science spectrum, from clinical to basic.

**Identify:** We convene diverse experts from across the CTSA Program to join Community Workgroups to identify key clinical and translational challenges and brainstorm solutions.

**Invent:** Project teams iteratively build solutions in partnership with the community through CD2H Labs and CTSA DREAM Challenges.

**Implement:** We collaborate with the community to elevate, disseminate, and scale impactful solutions.

**COMMUNITY WORKGROUPS**

Our workgroups of diversely qualified experts from across the translational science spectrum evaluate and develop solutions to maximize CD2H’s impact for the CTSA Program across three key focus areas:

- **Data**
  Making data more accessible, usable and shareable through development and dissemination of best practices and standards for data model harmonization and data discovery.

- **Software, Tools & Algorithms**
  Promoting and supporting collaborative development of effective informatics tools and processes and promoting novel analytics methods.

- **People, Expertise & Attribution**
  Cultivating a supportive community through training, connections to experts, collaborative engagement and recognition of scholarly contributions.

**Contact**

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CURRENT PROJECT HIGHLIGHTS

LOINC2HPO
A tool for converting LOINC laboratory codes and values into phenotypically meaningful groupings (Human Phenotype Ontology). The outcome is translational interoperability and new analytics, and application to discovery research in EHRs.

Leaf Cloud Pilot
Groundwork for building scalable solutions for nimble data sharing across CTSAs. Data sharing governance structures and cloud infrastructure can be adapted for use by multiple CTSAs and cloud vendor partnerships.

Discovery Storefront
Facilitating resource sharing across CTSAs by identifying, developing and leveraging connections between expertise, tools, datasets, educational resources, and analytics and making these easily discoverable to the CTSA community.

Maturity Model
A CTSA self-assessment to help hubs strategically plan by identifying growth opportunities, define pathways to increase capacity, and develop a roadmap for informatics growth.

LOOKING AHEAD
The CD2H values input from the CTSA community on focus areas and project prototypes through our Workgroup Community Meetings, Show and Tells, CD2H Labs, and site visits. We’re using this feedback to help determine priorities for our next phase of work and how we can best serve CTSA hubs. We look forward to continued collaboration and input as this work progresses.

GET INVOLVED
Collaboration and engagement across CTSA is critical to the success of CD2H. We provide multiple opportunities to get involved, including:

- **Quarterly Workgroup Community Meetings**
- **CD2H Show and Tells**
  (Held during iDTF members’ meetings)
- **CD2H Labs**
  Where CTSA members can test and share prototypes
- **DREAM Challenges**
  Propose a question or need, submit an idea, champion a challenge, contribute data, participate in a competition as part of a team, pilot solutions at your site.
- **The CD2H Website**
- **Our Monthly Newsletter**

CD2H SITES

- Oregon Clinical & Translational Research Institute
- Scripps
- The Jackson Laboratory
- Washington University in St. Louis Institute of Clinical and Translational Sciences
- Northwestern University NUCATS Clinical and Translational Sciences Institute
- The University of Iowa Institute for Clinical and Translational Science
- ITHS Institute of Translational Health Sciences Accelerating Research, Improving Health, UNIVERSITY OF WASHINGTON
- Johns Hopkins Institute for Clinical & Translational Research
- Sage Bionetworks