

UC DAVIS
HEALTH

Clinical and Translational
Science Center



**Your partner
for clinical and
translational
science**

**Building research teams
of the future
to improve
human health**

Empowering translational research



The UC Davis Health Clinical and Translational Science Center is dedicated to supporting biomedical research through innovation and collaboration.

We are disease-agnostic and support clinical and translational researchers by providing assets and expertise.

Through an array of programs and services, our center offers robust resources for research teams and community partners to advance discoveries that improve human health.

We foster exploration and education across the research spectrum from discovery and proof of concept studies to clinical research, translation to practice, and dissemination to communities. Along the way, our efforts support the following high-level goals:

1. Train and cultivate the translational science workforce
2. Engage patients and communities in every phase of the translational process
3. Promote integration of special and underserved populations in translational research
4. Innovate processes to increase quality and efficiency, particularly of multisite trials
5. Advance the use of leading-edge informatics

The CTSC was one of 12 inaugural centers funded by the NIH Clinical and Translational Science Award program and has been continuously funded since 2006. Our work includes:

Supported

3,545 research projects



CTSC-sponsored events:

- Biostatistics
- Clinical research best practices
- Clinical research ethics
- Community engagement
- Grant writing
- Healthcare quality
- Qualitative health research
- Regulatory issues
- Research resources
- Research careers
- Science communication



1,213

publications that acknowledged the CTSC grants

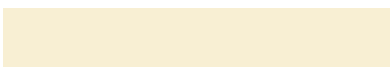
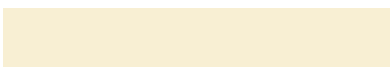
CTSC has supported UC Davis investigators from:

68 departments and divisions

22 centers

5 schools

4 colleges



CTSC programs include:

Research Ethics

Helps support ethically complex aspects of biomedical research throughout the life of research projects to ensure a commitment to safety and a high degree of research ethics at the institutional level.

Trained **182** scholars
in Research Ethics
98% completed 1 year
of graduate curriculum

Biostatistics, Epidemiology and Research Design

Strengthens research plans through the development of protocols, statistical plans, data safety monitoring plans and data analysis.

Support for grant applications, research protocols, and publications

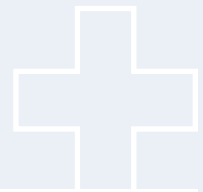
Assisted 649 researchers
through **1,015** office
hour appointments

Clinical Research Center



Provides resources for patient-centered research focusing on human health and disease. Our staff is trained in compliance and research subject protection, ready to accommodate special patient populations, and can implement unique protocol administration tools.

616 studies across all stages of the human lifespan and a wide range of diseases



Biomedical Informatics

Delivers resources to advance data-driven solutions, precision medicine, population health and technology-enabled approaches to clinical and translational research.

2,651,786
UC Davis Health
medical records available for investigator queries through the Cohort Discovery Tool

Access to
40 million
medical records from institutions across the United States

The Virtual Biospecimen Discovery (VBD) Tool facilitates collaboration by a searchable database containing
313,444
samples from 15 species*

*Including human, equine, canine, feline, bovine and avian.



Clinical Trials Office

Assists investigators in the conduct of clinical research by guiding and educating teams through local, state and federal requirements. A highly trained staff of clinical research coordinators can help monitor, mentor and foster quality assurance through all phases of a clinical research protocol.

Provided **16,215** hours of professional support to **136** research studies

The CTSC-sponsored recruitment website has received:

575,546 views

10,252 potential study participants

1,419 participants enrolled

Research Education and Career Development

Hosts a wealth of opportunities in workforce training and education for early career faculty and pre- and post-doctoral personnel involved in clinical and translational research.

38 KL2 early career faculty scholars

110 TL1 pre- and post-doctoral trainees

115 MCRTF scholars

194 FUTURE graduate students and post-doctoral fellows



Community Engagement



Offers a collaborative link between investigators and

the community by helping researchers build relationships with community partners, California health agencies and elected officials to discuss health and health care related issues.

1,100 participants in more than **23** California counties were trained in the principles of cultural competence

Translational Resources

Supports collaborative scientific endeavors by facilitating access to robust research paradigms, technologies, resources and tools, and fostering partnerships that enhance team science.

Funded **205**
pilot awards with
540 *trainees*

Services and resources

If you are planning a research project and need help, ask the CTSC. All consultations and many of our services are complimentary. The CTSC offers research investigators a wide array of services and resources across the research continuum, including:

- Consultation
- Research networking
- Community engagement studios and training
- Career development and mentoring
- Research team training and resources
- Regulatory knowledge and support
- Participant recruitment tools and strategies
- Statistical planning, data safety monitoring and analysis
- Protocol design, preparation, and implementation
- Data collection tools
- Clinical services
- Research ethics

How can we help you?

This is a partial list of our most popular services, and we do more! If you don't see what you need on this list, reach out to our concierge to inquire further at health.ucdavis.edu/ctsc.



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