

60 INSTITUTIONS

CTSAS ARE ALL BACKED BY AND INTEGRATED WITH LEADING ACADEMIC MEDICAL CENTERS

Albert Einstein College of Medicine • Boston University • Case Western Reserve University • Children's National Medical Center • Columbia University • Duke University • Emory University • Georgetown University and Howard University • Harvard University • Indiana University School of Medicine • Johns Hopkins University • Mayo Clinic • Medical College of Wisconsin • Medical University of South Carolina • Mount Sinai School of Medicine • New York University School of Medicine • Northwestern University • The

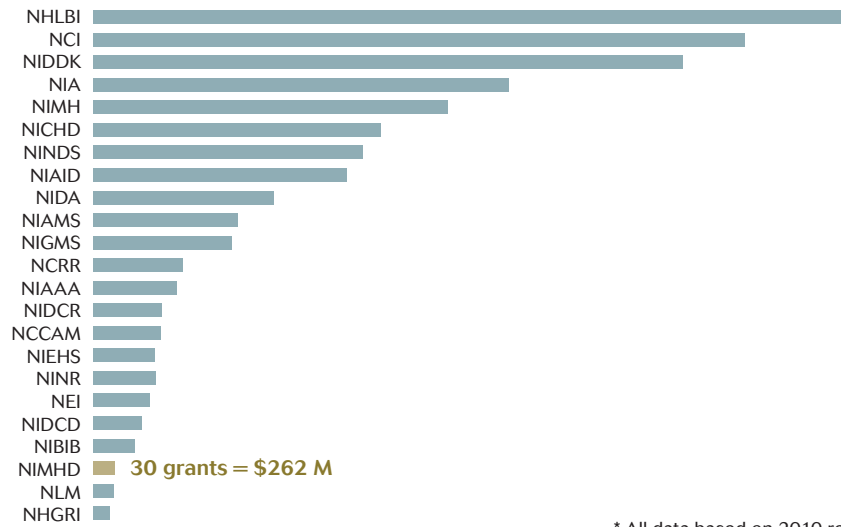
Ohio State University • Oregon Health & Science University • Penn State • Milton S. Eshelman Center • The Rockefeller University • The Scripps Research Institute • Stanford University • Tufts University • The University of Alabama at Birmingham • University of Arkansas for Medical Sciences • University of California, Davis • University of California, Irvine • University of California, Los Angeles • University of California, San Diego • University of California, San Francisco • University of Chicago • University of Cincinnati •

University of Colorado Denver • University of Florida • University of Illinois at Chicago • The University of Iowa • University of Kansas Medical Center • University of Kentucky • University of Massachusetts Medical School Worcester • University of Michigan • University of Minnesota, Twin Cities • University of New Mexico Health Sciences Center • The University of North Carolina at Chapel Hill • University of Pennsylvania • University of Pittsburgh • University of Rochester School of Medicine and Dentistry • University of

Southern California • The University of Texas Health Science Center at Houston • The University of Texas Health Science Center at San Antonio • The University of Texas Medical Branch at Galveston • The University of Texas Southwestern Medical Center at Dallas • The University of Utah • University of Washington • University of Wisconsin—Madison • Vanderbilt University • Virginia Commonwealth University • Washington University in St. Louis • Weill Cornell Medical College • Yale University

5,886

UNIQUE GRANTS WERE AWARDED FOR CTSA-SUPPORTED WORK



* All data based on 2010 reporting

CTSA 2.0: Leverage CTSA minority institution partnerships



- Shared resources: pilot funding, informatics tools
- Research quality improvement programs
- Shared leadership and decision-making
- Emphasizing health challenges among racial and ethnic populations
- Permeates the consortium with health disparities consciousness

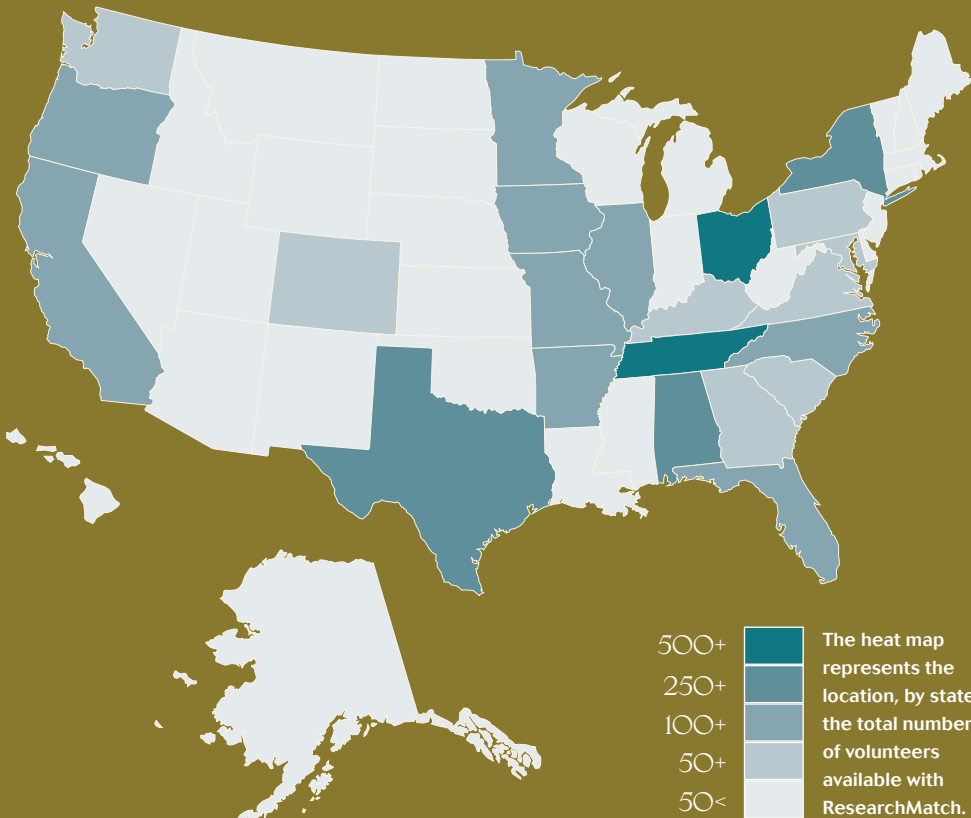
University of California, Los Angeles
Partnering with Charles Drew University

Cornell University
Partnering with Hunter College

Georgetown University
Partnering with Howard School of Medicine

Vanderbilt University
Partnering with Meharry Medical College

Emory University
Partnering with Morehouse School of Medicine and Georgia Institute of Technology



Volunteers available in ResearchMatch

	Total	Minority Health and Health Disparities Related Studies	% Minority Health and Health Disparities Related Studies
Volunteers ready to participate in studies	19,759	3,830	19%
Active studies	301	6	2%
Institutions	65	3	5%

The CTSA support the innovation and partnerships necessary to bridge the traditional divides between basic research and medical practice. The combination of resources and collaboration made possible by these awards is essential for developing and delivering new treatments and prevention strategies.

NIH Director Francis S. Collins, M.D., Ph.D.

This Clinical and Translational Science Awards (CTSA) consortium publication is funded in part by U.S. National Institutes of Health Grant 1U54RR032646-01. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of the NIH.

CTSA

NIMHD ANNUAL SUMMARY 2011

REDCAP FOR NIMHD

The CTSAs supported REDCap tool is used by 418 active institutional partners including almost all CTSAs. REDCap is designed to support data capture for research studies and allows users to build and manage online surveys and databases quickly and

securely. It is currently in production use or development build status for more than 40,430 studies with over 54,120 users spanning numerous research focus areas including those of critical importance to NIMHD. REDCap includes studies such as:

Evaluation of partial and total splenectomy in children with sickle cell disease using an internet-based registry

Moultalib S, Rice HE, Snyder D, Levens JS, Reiter A, Soler P, Rothman JA, Thornburg CD. *Pediatr Blood Cancer*. 2012 Jan 11. doi: 10.1002/pbc.24057. [Epub ahead of print].

No effects of low and high consumption of dairy products and calcium supplements on body composition and serum lipids in Puerto Rican obese adults

Palacios C, Bertrán JJ, Ríos RE, Soltero S. *Nutrition*. 2011 May;27(5):520-5. Epub 2010 Jul 1.

ABOUT CTSA

The CTSA program creates academic homes for clinical and translational science at 60 health research institutions nationwide. The CTSAs are committed to reducing the time it takes for laboratory discoveries to become treatments for patients, to engaging communities in clinical research efforts, and to training a new generation of clinical and translational researchers. The CTSA program is funded by the National Institutes of Health through its National Center for Advancing Translational Sciences.

Each CTSA site is required to provide the following resources:

- Regulatory support
- Pilot funding
- Clinical research facilities
- Informatics
- Education, training and career development
- Community engagement
- Biostatistics

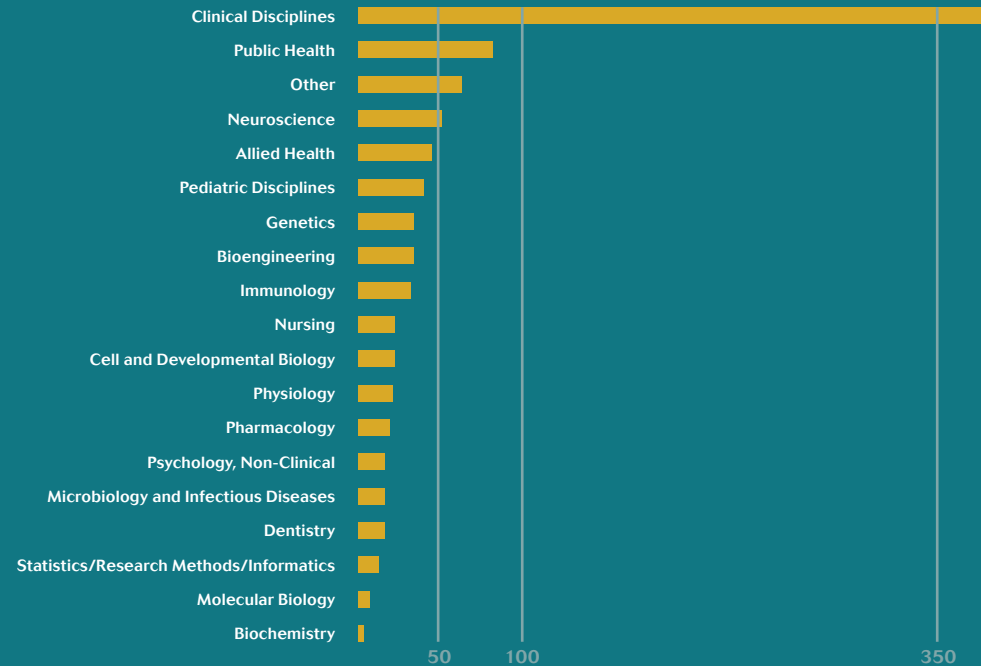
Consortium activities focus on:

- Clinical and Translational Research Management Capability
- Training and Career Development of Clinical and Translational Scientists
- Enhancing Consortium-Wide Collaborations
- Enhancing the Health of Our Communities and the Nation
- T1 Translation

Community Engagement Key Function Committee: Achievement Highlights

- CommunityResearchPartners.net (development): Identify resources for community organizations and a matching program for partnerships.
- Enhancement of ResearchToolkit.org (underway): This is a library of resources to facilitate multi-site collaborations for health research and a toolkit for practice-based research networks.
- Advancing Community Engagement in Science Community (launched): Identifies processes, resources and consultants in community-engaged research.
- Community Health Engagement Program (CHEP) (launched): Links skills of community leaders, health professionals and university researchers to improve the health of communities.

CTSAs supported 930 clinical and translational scholars and trainees in 2010.



Mary Wolff, Ph.D.

Director, Center for Children's Environmental Health and Disease Prevention Research

INVESTIGATOR SPOTLIGHT

A study examining the impact of environmental exposures on the growth of girls from low-income minority communities in New York is entering its 10th year. Most of the 416 participants in the study, Growing Up Healthy, live in East Harlem and the Bronx as efforts to track and eliminate minority health disparities continue at CTSA-supported sites. The study looks at chemicals in products used, lack of healthy, affordable foods in neighborhoods, and lack of open space where children can play. Mothers noted the importance of the study that looks at factors that interfere with growth and development in girls.

CTSA helps plant seeds for meaningful research.

ESTIMATED 1,898 PILOT STUDIES

NIMHD-related work: 29
Based on 36 out of 60 reporting sites.



PRELIMINARY RESULTS/ FINDINGS



MANUSCRIPTS



NIH GRANT SUBMISSIONS



PEER-REVIEWED SCIENTIFIC PROGRAMS



CTSA projects are of excellent quality and CTSA-supported investigators publish in high impact journals.

Visibility: Examples of high impact

CTSA SUPPORT	PUBLISHED TITLE	INSTITUTION/ REFERENCE
Pilot award	Relation of obesity to circulating B-type natriuretic peptide concentrations in blacks: the Jackson Heart Study	Emory University /Circulation. 2011 Aug 30; 124(9):1021-7. Epub 2011 Aug 8.
Support from the CTSA Genome-Wide Association Study Innovative Methodology Workgroup	Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk	Johns Hopkins University /Nature. 2011 Sep 11; 478(7367):103-9.

Core Competencies for Clinical and Translational Research

CTSA training programs help to create an educational environment that helps define the discipline of clinical and translational science. The National Center for Advancing Translational Sciences, along with the CTSA Education and Career Development Key Function Committee, formed the Education Core Competency to define the training standards for core competencies in clinical and translational research. The group's final recommendations for core competencies include 14 thematic areas, two of which align with the NIMHD's mission:

X. CULTURAL DIVERSITY

1. Differentiate between cultural competency and cultural sensitivity principles.
2. Recognize the demographic, geographic and ethnographic features within communities and populations when designing a clinical study.
3. Describe the relevance of cultural and population diversity in clinical research design.
4. Describe cultural and social variation in standards of research integrity.
5. Critique studies for evidence of health disparities, such as disproportional health effects on select populations (e.g., gender, age, ethnicity, race).

XIV. COMMUNITY ENGAGEMENT

1. Examine the characteristics that bind people together as a community, including social ties, common perspectives or interests and geography.
2. Appraise the role of community engagement as a strategy for identifying community health issues, translating health research to communities and reducing health disparities.
3. Summarize the principles and practices of the spectrum of community-engaged research.
4. Analyze the ethical complexities of conducting community-engaged research.
5. Specify how cultural and linguistic competence and health literacy have an impact on the conduct of community-engaged research.