

60 INSTITUTIONS

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

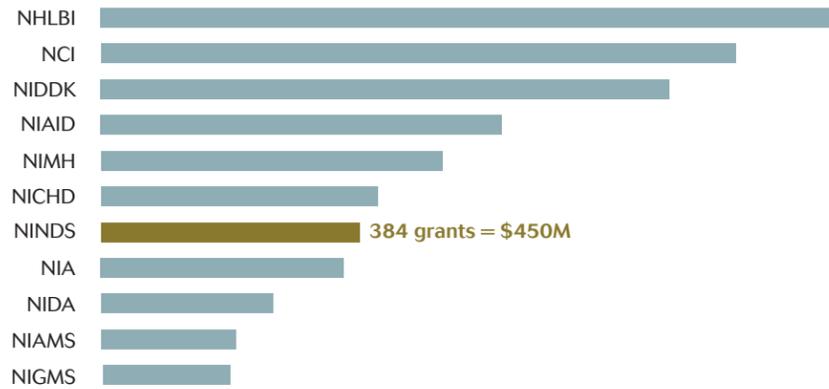
Albert Einstein College of Medicine • Boston University • Case Western Reserve University • Children's National Medical Center • Columbia University • Duke University • Emory University • Georgetown University and Howard University • Harvard University • Indiana University School of Medicine • Johns 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 •

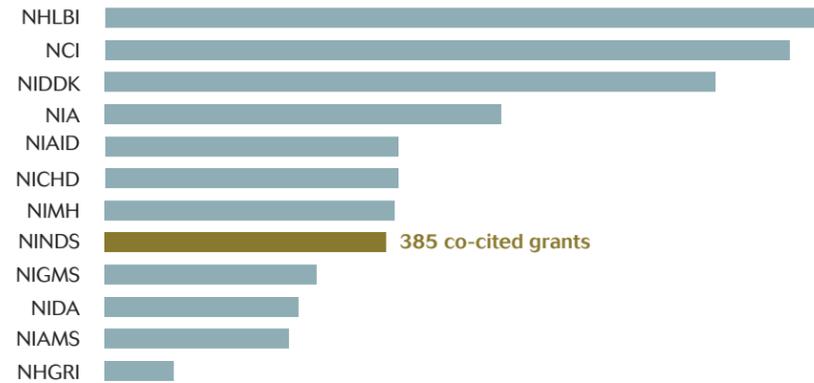
University of Colorado Denver • University of Florida • University of Illinois at Chicago • The University of Iowa • University of Kansas Medical Center* • University of Kentucky* • University of Massachusetts Medical School Worcester • University of Michigan • University of Minnesota, Twin Cities* • 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

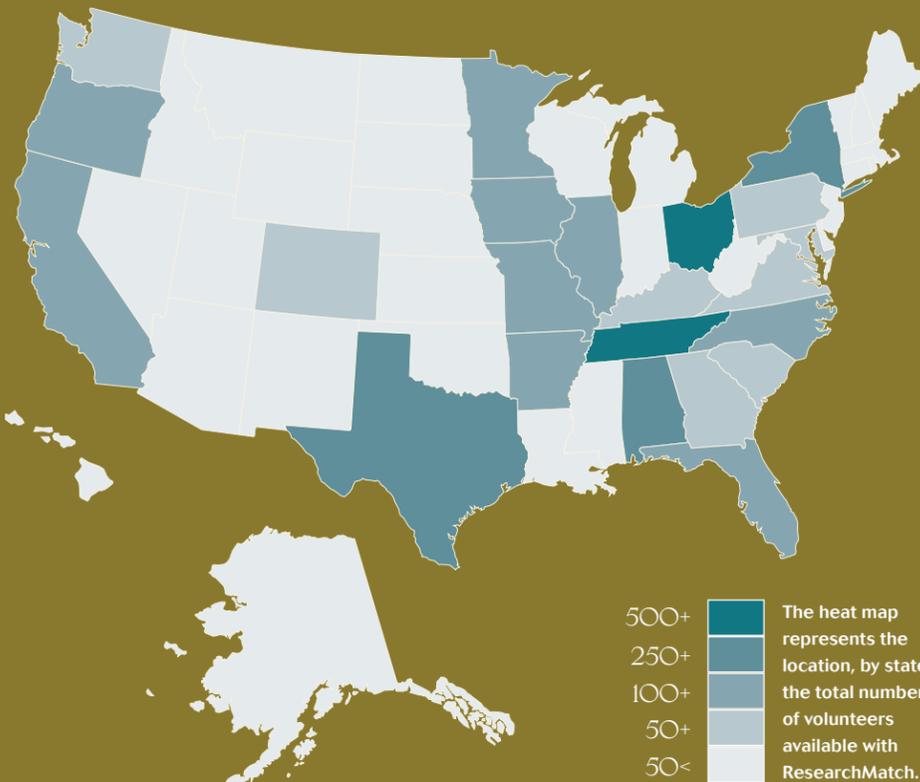
5,886 UNIQUE GRANTS WERE AWARDED FOR CTSA-SUPPORTED WORK



5,375 PUBLICATIONS BY CTSA-SUPPORTED RESEARCHERS RECEIVED CTSA SUPPORT



* All data based on 2010 reporting



Volunteers available in ResearchMatch

	Total	Neurological disease related studies	% Neurological disease related studies
Volunteers ready to participate in studies	19,759	1,710	9%
Active studies	301	13	4%
Institutions	65	6	9%

CTSA

NINDS ANNUAL SUMMARY 2011

The CTSA's 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.

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REDCAP FOR NINDS

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 NINDS. REDCap includes studies such as:

The Brain Recovery Core: Building a System of Organized Stroke Rehabilitation and Outcomes Assessment Across the Continuum of Care

Lang CE, Bland MD, Connor LT, Fucetola R, Whitson M, Edmiaston J, Karr C, Sturmoski A, Baty J, Corbetta M.
J Neurol Phys Ther. 2011 Dec; 35(4):194-201.
Diabetes Res Clin Pract. 2011 Jul 5. [Epub ahead of print].

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



Walter Kaufmann, M.D.

Department of Neurology,
Children's Hospital Boston

INVESTIGATOR SPOTLIGHT

Walter is a longtime researcher of Rett syndrome, a neurodevelopmental disorder that mostly affects girls. It causes severe cognitive, motor and language problems as well as autistic behaviors.

He is the lead investigator of a CTSA-supported, pilot-funded Rett Syndrome Program at Children's Hospital Boston. The study is testing a drug for Rett syndrome, the leading known genetic cause of autism in girls. The trial was underway as the Centers for Disease Control and Prevention announced that autism rates increased to 1 out of 88 children in the U.S.



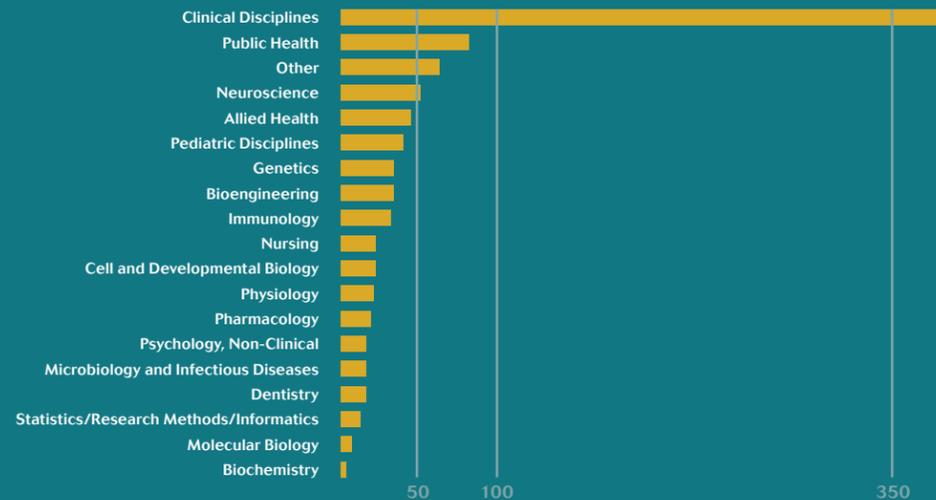
Jesse Perry

VOLUNTEER SPOTLIGHT

Jesse has participated in several trials testing old and new drugs to find effective treatments for orthostatic hypotension.

"I can't expound enough how the trials are beneficial," he said. "It is an education; you work with the doctors to help yourself and them at the same time. It is a win-win."

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



Drugs, biologics and devices

Food and Drug Administration

Outcomes reported	% NINDS activity
764 Drug license applications	9%
80 Patent applications	8%
57 Invention disclosures	9%

CTSA helps plant seeds for meaningful research.

ESTIMATED 1,898 PILOT STUDIES

NINDS-related work: 99
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
CTSA DNA assistance from the Clinical Services Core. The samples were processed in the Biomarkers Core Lab, which is part of our Translational Technologies Core.	Polyamine pathway contributes to the pathogenesis of Parkinson's disease	Columbia University / Proc Natl Acad Sci U S A. 2010 Sep 28; 107(39):16970-5. Epub 2010 Sep 13.
CTSA Salary Support	9p21 DNA variants associated with coronary artery disease impair interferon-γ-signaling response	The Scripps Research Institute, University of California San Diego / Nature. 2011 Feb 10; 470(7333): 264-8.
CTSA-supported K-scholar	Mapping the NPHP-JBTS-MKS protein network reveals ciliopathy disease genes and pathways	University of Washington / Cell. 2011 May 13; 145(4):513-28.
Support from the CTSA Research Resource Inventory	Cancer risk among patients with myotonic muscular dystrophy	University of Rochester School of Medicine and Dentistry / JAMA. 2011 Dec 14; 306(22):2480-6.
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.