

60 INSTITUTIONS

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

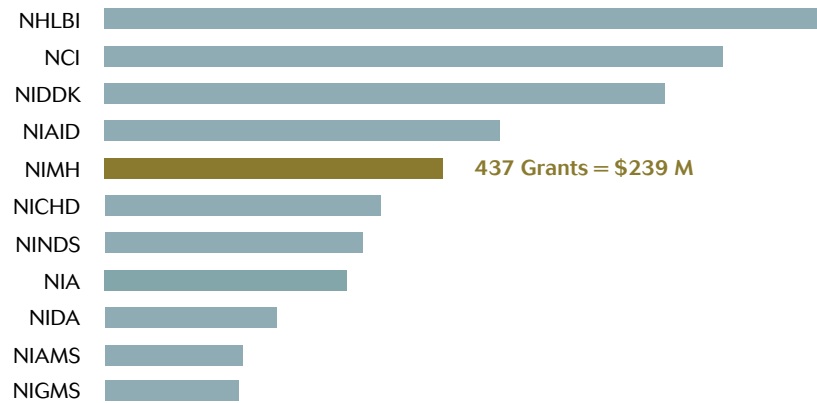
Albert Einstein College of Medicine • Boston University • Case Western Reserve University • Children's National Medical Center • Columbia University • Duke University • Emory University • Georgetown University and Howard University • Harvard University • Indiana University School of Medicine • Johns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

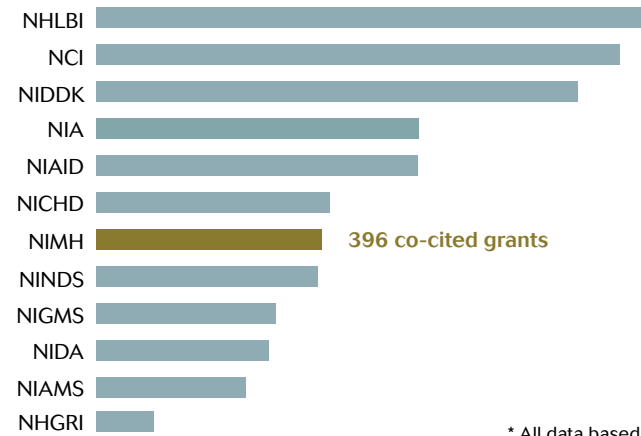
University of Colorado Denver • University of Florida • University of Illinois at Chicago • The University of Iowa • University of Kansas Medical Center* • University of Kentucky* • University of Massachusetts Medical School Worcester • University of Michigan • University of Minnesota, Twin Cities* •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

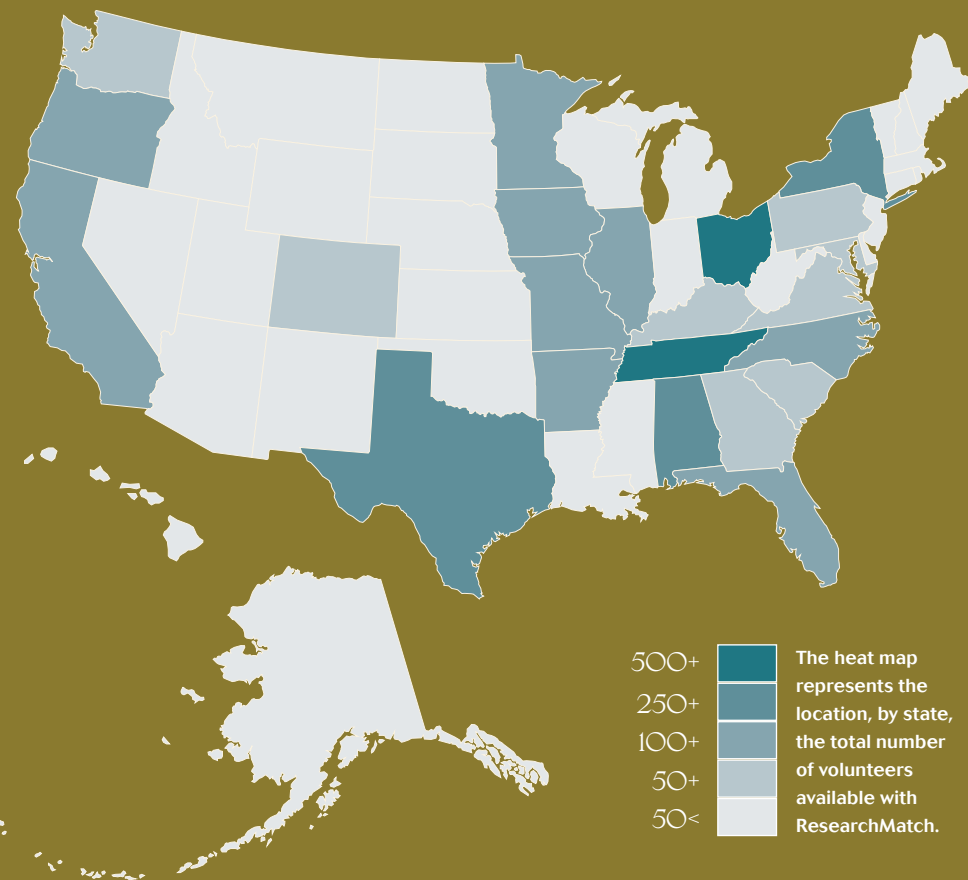
5,886 UNIQUE GRANTS WERE AWARDED FOR CTSA-SUPPORTED WORK



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



* All data based on 2010 reporting



Volunteers available in ResearchMatch

| | Total | Mental Health Related Studies | % Mental Health Related Studies |
|--------------------------------------------|--------|-------------------------------|---------------------------------|
| Volunteers ready to participate in studies | 19,759 | 2,730 | 14% |
| Active studies | 301 | 13 | 4% |
| Institutions | 65 | 6 | 9% |

CTSA

NIMH 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 NIMH

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 NIMH. **REDCap includes studies such as:**

Multicenter Study of Predictors of Suicide Screening in Emergency Departments. Ting SA, Sullivan AF, Miller I, Espinola JA, Allen MH, Camargo CA Jr, Boudreaux ED; on behalf of the Emergency Department Safety and Follow-up Evaluation (ED-SAFE) Investigators. Acad Emerg Med. 2012 Feb; 19(2):239-243. doi: 10.1111/j.1553-2712.2011.01272.x. Epub 2012 Jan 30.

CTSA COMMUNITY ENGAGEMENT PROJECTS CO-FUNDED BY NIMH

Suicide is the third leading cause of death for 15-to-24-year-olds. Researchers are continuing a long-term study on the effectiveness of a suicide prevention program in high schools, engaging students from communities in New York and North Dakota. The CTSAs supported study looks at Sources of Strength, the suicide prevention

program that relies on peer leaders to learn the program and then take it to their social circles. Led by Peter Wyman, Ph.D., of the University of Rochester, the collaborative study evaluates how effectively peers can implement the program at 36 high schools in urban and rural communities.

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



INVESTIGATOR SPOTLIGHT

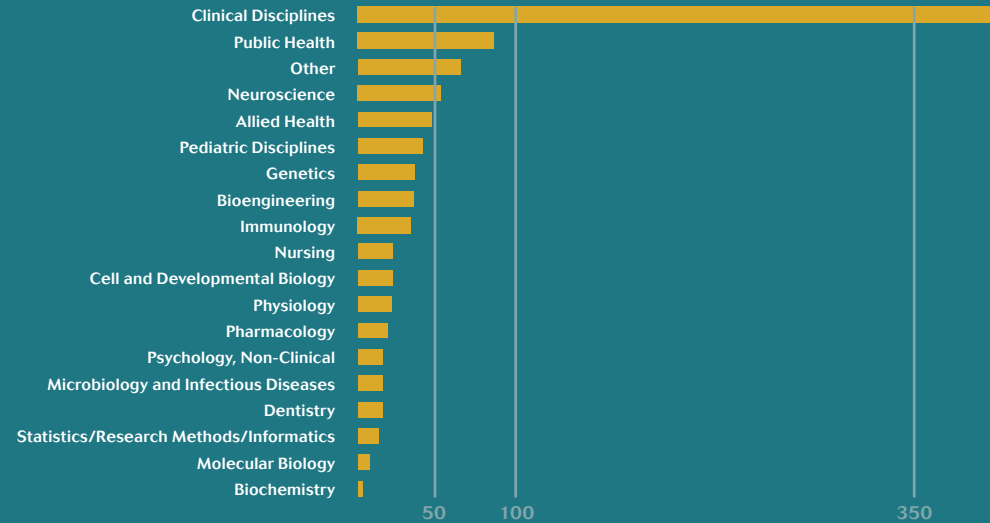
Matthew Nock, Ph.D.

Department of Psychology
Harvard University

Matthew is a clinical psychologist who studies suicide and self-injury in adults and adolescents. He is the recipient of a MacArthur Foundation grant, and his research uses a variety of self-assessments to focus on who is at risk for suicide and self-harm.

One of his studies, "A Novel Approach to the Assessment and Treatment of Suicide Risk in Depression," was partly supported by the Harvard Clinical and Translational Science Center (NIH UL1 RR 025758). He's been featured by *The New York Times* and *Los Angeles Times* and has been recognized as a MacArthur Fellow.

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



Drugs, biologics and devices

Food and Drug Administration

Outcomes reported

% NIMH activity

| | | |
|-----|---------------------------|-----|
| 764 | Drug license applications | 12% |
| 80 | Patent applications | 1% |
| 57 | Invention disclosures | 2% |

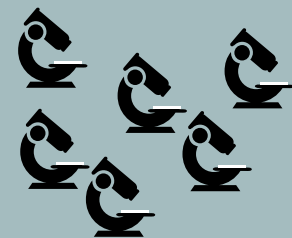
Visibility: Examples of high impact

| CTSA SUPPORT | PUBLISHED TITLE | INSTITUTION/REFERENCE |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| CTSA support from Clinical Research Units for running visits, nursing care, phlebotomy, core lab specimen processing and assays, nutrition services and anthropometric measurements | Leukocyte telomere length in major depression: correlations with chronicity, inflammation and oxidative stress-- preliminary findings. | University of California San Francisco/PLoS One. 2011 Mar 23; 6(3):e17837 |
| CTSA support from the Clinical Research Core | The Major Genetic Determinants of HIV-1 Control Affect HLA Class I Peptide Presentation. | University of California San Francisco, Vanderbilt University/Science. 2010 Dec 10; 330(6010):1551-7. Epub 2010 Nov 4 |
| CTSA-supported K-scholar who received a pilot award | A key role for orexin in panic anxiety. | Indiana University/ Nat Med. 2010 Jan; 16(1):111-5. Epub 2009 Dec 27 |
| Support from the CTSA Genome-Wide Association Study (GWAS) 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. |

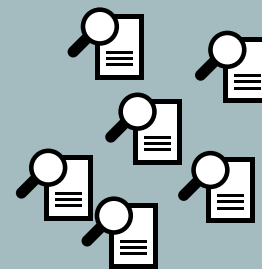
CTSA helps plant seeds for meaningful research.

ESTIMATED 1,898 PILOT STUDIES

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



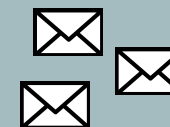
PRELIMINARY RESULTS/ FINDINGS



MANUSCRIPTS



NIMH GRANT SUBMISSIONS



PEER-REVIEWED SCIENTIFIC PROGRAMS



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