The Foundation for Physical Therapy was established in 1979 as a national, independent nonprofit organization to fund physical therapy research to optimize health and movement. Since its inception, the Foundation has awarded more than $17 million in research grants, fellowships, and scholarships. Many of today’s leading physical therapy researchers, clinicians, and academicians began their careers with this support. Foundation-funded researchers have gone on to secure more than $800 million in follow-on funding.

CoHSTAR GOALS

Build health services research (HSR) infrastructure to facilitate interdisciplinary health services and health policy research by physical therapist scientists

Expand the number of health services and health policy physical therapist researchers through training

Increase the quantity and quality of physical therapy health services and policy research by supporting high quality pilot and small studies.

Build upon active and growing research programs at collaborating institutions to build a sustainable, long-term capacity for physical therapy HSR training

“As health delivery continues to evolve and we explore new technologies, models, and systems to meet society’s needs, it is more important than ever that PTs are right there in the mix, sleeves up, working collaboratively with other practitioners to shape and guide that evolution,” said APTA President Sharon Dunn, PT, PhD. “We are a critical part of the health care team, and our participation in research for the future is imperative. What CoHSTAR has been able to do in just 3 short years is so impressive. Their work will, among other things, ensure a steady pool of PT scientists who are properly trained to conduct health services research and to compete for the funding to do so.”

YOUR INVESTMENT AT WORK

<table>
<thead>
<tr>
<th></th>
<th>FACULTY FELLOWS</th>
<th>PILOT AWARDEES</th>
<th>POSTDOCTORAL FELLOWS</th>
<th>VISITING SCIENTISTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Publications (per research program)</td>
<td>44</td>
<td>08</td>
<td>03</td>
<td>04</td>
</tr>
<tr>
<td>Number of Presentations (per research program)</td>
<td>42</td>
<td>16</td>
<td>11</td>
<td>04</td>
</tr>
</tbody>
</table>

Direct Cost Distribution

- Leadership and Administration (12.19%)
- Pilot Core (21.68%)
- Research and Training (55.44%)
- Evaluation and Dissemination (10.78%)
WHY CoHSTAR?

CoHSTAR is uniquely positioned to offer unparalleled health services research training opportunities to the physical therapy community.

The profession continues to work towards gathering evidence to demonstrate the value physical therapy brings to health care outcomes, yet there are few mentored training opportunities to prepare physical therapist investigators to conduct health services research. CoHSTAR prepares new PhDs to become independent investigators and compete for research funding.

STRUCTURE OF TRAINING

The Research Career Training Program Core, led by Vincent Mor, PhD, and Theresa Shireman, PhD, Brown University, provides training and helps guide the career development of physical therapist health services researchers.

Each trainee is teamed up with one or more mentors and given access to several training opportunities, courses, lectures, and more. The Research Career Training Program also oversees all visiting scientist recruitment activities.

WHAT DOES THE PROGRAM OFFER?

- Immersion in mentors research program
- Mentored independent research
- Training in grant writing
- Promote skills to succeed as independent investigator

“What does the program offer?

- Develop high-quality research proposals
- Leverage expertise into successful careers in research and academia
- Forge lasting relationships with faculty/other trainees

“I had spent 9 years as a faculty member prior to starting my CoHSTAR fellowship. I had some success with developing hospital partnerships, conducting small scale health services research projects, and publishing my work; however, I had not been successful in partnering with a hospital that was committed to health services research and completing consistently impactful work. In just over 8 months, the combination of mentorship and funding from CoHSTAR has given me what I was unable to do in the 9 previous years.”

Daniel Young
PT, DPT, PhD

FACULTY FELLOWS

Addie Middleton, PT, PhD
Assistant Professor
Medical University of South Carolina

Anne Thackeray, PT, MPH, PhD
Research Assistant Professor
The University of Utah

Jake Magel, PT, DSc, PhD
Research Assistant Professor
The University of Utah

Adam Goode, PT, DPT, PhD
Associate Professor
Duke University

Daniel Pinto, PT, DPT, PhD, OCS, FAAOMPT
Assistant Professor
Northwestern University

Meghan Warren, PT, MPH, PhD
Associate Professor
Northern Arizona University

Daniel Young, PT, DPT, PhD
Associate Professor
University of Nevada, Las Vegas

POSTDOCTORAL FELLOWS

Peter Coyle, PT, DPT, PhD
Postdoctoral Scholar
University of Pittsburgh

Catherine Schmidt, PT, DPT, PhD
Brown University

VISITING SCIENTISTS

Katherine Berg, PT, PhD
Associate Professor Emeritus
University of Toronto

Kristin Archer, PT, PhD, DPT
Associate Professor
Vanderbilt University

Janet Freburger, PT, PhD
Professor
University of Pittsburgh

“Addie Middleton, PT, PhD, Assistant Professor, Medical University of South Carolina, shares her experience with CoHSTAR: “My experience with CoHSTAR made me competitive for a tenure track, research intensive position at Marquette ... I am practicing the skills necessary for leading a research team and I have started the Behavior, Engagement, and Health Technology Assessment lab at Marquette University.”

Daniel Pinto
PT, DPT, PhD, OCS, FAAOMPT
PILOT STUDY PROGRAM
The CoHSTAR Pilot Study Program—led by Kelley Fitzgerald, PT, PhD, and Anthony Delitto, PT, PhD, University of Pittsburgh — selects pilot study applications in the field of physical therapy for funding. The program makes it possible to develop projects into full scale research grant applications and apply for extramural funding.

PREVIOUS PILOT STUDIES
Christine McDonough, PT, PhD
Boston University

Development and Preliminary Implementation of a Registry for Physical Therapists’ Management of Knee Pain
James Irrgang, PT, PhD, ATC, FAPTA
University of Pittsburgh

Associations between Continuity of Care (CoC) and Health Care Utilization and Costs in Patients with Low Back Pain
Jake Magel, PT, DSc, PhD
The University of Utah

The Impact of Physical Therapy on Improving Function and Reducing Hospitalizations in Medicare Home Health (HH) Populations
Jennifer Stevens-Lapsley, PT, PhD
University of Colorado Anschutz Medical Campus

CURRENT PILOT STUDIES
Developing A Prognostic Model for Risk Adjustment in Patients With Back Pain
Sean D. Rundell, PT, DPT, PhD
University of Washington
The purpose of this project is to advance risk adjustment methods for outpatient rehabilitation settings using an alternative to the traditional Functional Comorbidity Index.

The Impact of Hospital-Based Physical Therapy Services on Hospital Readmission: Implications for Bundled Payment
Amit Kumar, PT, MPH, PhD
Northern Arizona University
This research will generate evidence on the effectiveness of hospital-based physical therapy and its findings will inform clinical guidelines on the appropriate dose of physical therapy in acute care settings.

Health Care Utilization for Musculoskeletal Disorders in Adults with Cerebral Palsy: An Analysis of Medicare Data
Deborah Thorpe, PT, PhD
The University of North Carolina at Chapel Hill
The overall goal of this project is to gain a better understanding of health care use for MSK disorders among adults with cerebral palsy (CP) and the extent to which they use rehabilitation care for these disorders as compared to peers without CP.

Health System Implementation of Clinical Practice Guidelines for Neck and Low Back Pain in Outpatient Physical Therapy Settings
Jason Beneciuk, PT, DPT, PhD, MPH, FAAOMPT
University of Florida
This study will determine if physical therapy clinics that receive neck and low back pain CPG training are associated with improved patient outcomes compared to those that have not received training.

Initial Treatment Approaches and Healthcare Utilization among Veterans with Low Back Pain
Catherine Schmidt, PT, DPT, PhD
Brown University
This research aims to quantify the value of physical therapy in the management of Veterans with low back pain (LBP) by gaining a better understanding of initial treatment strategies, including physical therapy and the impact of these strategies on health and utilization outcomes among Veterans with a new diagnosis of LBP.

For a comprehensive explanation of each study’s specific objectives and goals, visit www.bu.edu/cohstar/research/current-pilot-studies/.

NEW FUNDING OPPORTUNITY
CoHSTAR is offering a new postdoctoral fellowship funded jointly with the Comprehensive Post-Acute Stroke Services Trial. The fellowship position is for 2 years, beginning January 2019, and will be located at the University of Pittsburgh. The fellow will be provided with didactic training, travel support, information resources, and secretarial or technical support.

For more information, visit www.bu.edu/cohstar/training/fellowships/.
Since its establishment, CoHSTAR has had over 50 publications accepted and/or submitted for publication.


CoHSTAR was made possible in part by a $1 million gift from the American Physical Therapy Association.

American Academy of Orthopaedic Manual Physical Therapists
Stephen E. Anderson
Bill and Jill Bossonault
Delaware Physical Therapy Association
Anthony Delfino and Ronna Delfito
Patrick O. Graham
Launfa M. Hack and John C. Hershey
Connie D. Bauers
HPA: The Catalyst
Illinois Physical Therapy Association
Indiana Chapter, APTA
Jake Jakubik Kovacek
Kansas Chapter
Kitsap Physical Therapy & Sports Clinics
Aimee B. Klein
Minnesota Physical Therapy Association
Marilyn Molfat
Mountaineer Physical Therapy
New Hampshire Chapter of the American Physical Therapy Association
Academy of Pediatric Physical Therapy
American Physical Therapy Association of Georgia
Private Practice Special Interest Group
PT Pros, Inc.
Section on Research
Rock Valley Physical Therapy
Lisa K. Saladin
Janet M. Shelley
The South Carolina Chapter of APTA
South Dakota Chapter of the American Physical Therapy Association
Therapeutic Associates
Beth Whitehead
Section on Women’s Health - APTA
Supporter - ($5,000 - $9,999)
1st Choice PT, LLC
1st Choice PT Troy, LLC
Henry M. Balavalender
Laurence N. Benz
Breakthrough
Confluent Health
Tom DeAngelis
Sharon L. Dunn
Evidence in Motion, LLC
Fearon Physical Therapy
Nina F. Greenwald
Jeanine M. Gunn
Jeffrey W. Hathaway
Roger A. Herr
Idaho Physical Therapy Association, Inc.
Iowa Physical Therapy Association & Foundation
Holly L. Johnson
Kentucky Physical Therapy Association
Chuck Martin
North Dakota Physical Therapy Association
Oklahoma Physical Therapy Association
Janet M. Peterson
Premier Physical Therapy and Sports Performance
Pro Rehab - PC
Rick Rausch
Gary L. Soderberg and Loretta M. Knudson
Texas Physical Therapy Association
Texas PTS
Partner ($1,000 - $4,999)
Anonymous
AZ PT Association
Michael Bowers
Terence C. Brown
Ramona A. Carper
Rheas Cohn
Rebecca L. Craik
Pamela A. Duffy
Eric Evans
Helene Fearon
Edelle Field-Fote
HAPTA
Dianne Jewell
Robert Johnson
Carole B. Lewis
Tony Mack and Tom Schaefer
Kathleen K. Maiella
Barbara Malm and Jason Matteo
Peter J. McMenamin
Missouri Physical Therapy Association
Michael I. Mueller
North Carolina Physical Therapy Association
Tim Noteboom
Carolyn Odda
PTFN
PTFN of Florida
Elizabeth J. Protas
Rehab Mgmt Svcs
Rutharen Rosen
Michael J. Shoemaker
Shawne E. Soper
Springmoor Physical Therapy
Kathryn B. Stensiø
Susan Ann Talley & Joseph F. Olesnavage
Tankin Management Group, Inc.
Philip Paul Tygier
West Virginia Physical Therapy Association
Nancy T. White
Wyoming Physical Therapy Association
Friend ($500 - $999)
Suzann K. Campbell
Deindre Daley
Vincent Eldridge
Ann Fox
Scott Fuller
Bonni Kirne
Peter V. Loubert
Laura M. Lavelasco
Edward Mathis
Stephen C. McAvitt
Matthew K. Wolters and Lori Michener
Craig T. Miller
Mississippi Physical Therapy Association
Stanley Paris and Catherine Pattia
Suzanne Perkins
Private Practice Special Interest Group - Colorado
Matthew J. VanderKooi

APTA components, individual physical therapists, foundations, and corporate supporters have also supported CoHSTAR with monetary gifts.