

JOEL STEVANS, DC, PHD
CURRICULUM VITAE

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EDUCATION and TRAINING

GRADUATE

School of Health & Rehabilitation Sciences University of Pittsburgh Pittsburgh, Pennsylvania	Ph.D. 2016	Rehabilitation Sciences
Los Angeles College of Chiropractic Southern California University of Health Sciences Whittier, California	D.C. 1994	Doctor of Chiropractic

UNDERGRADUATE

School of Science and Mathematics California Polytechnic State University, San Luis Obispo San Luis Obispo, California	B.S. 1996	Biochemistry
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PROFESSIONAL EXPERIENCE

2024-Present	University of Pittsburgh, Pittsburgh, Pennsylvania	Visting Associate Professor Doctor of Chiropractic Program
2014-Present	Landmark Healthcare, Inc., Sacramento, California	Chief Clinical and Quality Officer
2021-2024	TurningPoint Healthcare Solutions Lake Mary, Florida	Chief Medical Officer, Physical Medicine and Digital Musculoskeletal Health
2021-2024	University of Pittsburgh, Pittsburgh, Pennsylvania	Adjunct Assistant Professor Department of Physical Therapy
2014-2021	University of Pittsburgh, Pittsburgh, Pennsylvania	Assistant Professor Department of Physical Therapy
2011-2013	University of Pittsburgh, Pittsburgh, Pennsylvania	Postdoctoral Scholar, Department of Physical Medicine & Rehabilitation

2005-2009	Landmark Healthcare, Inc., Sacramento, California	Vice President & Chief Clinical Officer
2002-2005	Landmark Healthcare, Inc., Sacramento, California	Vice President, Product Development
1999-2002	Landmark Healthcare, Inc., Sacramento, California	Chiropractic Case Manager
1997-1999	Rx Spinal Care Medical Group, Sacramento, California	Clinic Director, Chiropractic Services
1996-1997	Civic Center Medical Group, San Francisco, California	Private Practice of Chiropractic
1994-1996	Offices of Robert O Bader, DC, Lodi, California	Private Practice of Chiropractic

CONSULTANCIES

2014-2024	Landmark Healthplan of California, Sacramento, California
2020-2021	TurningPoint Healthcare Solutions, Lake Mary, Florida
2019-2021	UPMC Health Plan, Pittsburgh, Pennsylvania
2013	Care Core National, Bluffton, South Carolina
2012	Palladian Health, West Seneca, New York
2009-2013	Landmark Healthcare, Inc., Sacramento, California
2005-2006	Health Research Insights, Nashville, Tennessee

CERTIFICATION and LICENSURE

1994-Present State Board of Chiropractic Examiners, Sacramento, California, License #23380

HONORS

2015	Jerome F. McAndrews, D.C., Memorial Research Fund, NCMIC Group, Inc. Award
1994	Summa Cum Laude, Los Angeles College of Chiropractic
1994	Delta Sigma Honorary Scholastic Society of the Healing Arts

PUBLICATIONS

1. Original Peer Reviewed Articles

1. **Stevans JM.** The effects of remote locomotor rehabilitation in a chronic cervicogenic syndrome. *Chiroprac Tech.* 1996; 8(3): 121–4.
2. **Stevans JM,** Hall KG. Motor skill acquisition strategies for rehabilitation of low back pain. *J Orthop Sports Phys Ther.* 1998; 28(3):165-7. PMID: 9742473
3. Paskowski I, Schneider MJ, **Stevans J,** Ventura J, Justice B. A Hospital-based Standardized Spine Care Pathway: Report of a Multidisciplinary Evidence-based Process. *J Manip Physiol Ther.* 2011; 34(2):98-106. PMID: 21334541
4. Zodet M, **Stevans JM.** The 2008 prevalence of chiropractic use in the US adult population. *J Manipulative Physiol Ther.* 2012 Oct; 35(8):580-8. PMID: 23158463
5. **Stevans JM,** Zodet M. Clinical, Demographic, and Geographic Determinants of Variation in Chiropractic Episodes of Care for Adults Using the 2005-2008 Medical Expenditure Panel Survey. *J Manipulative Physiol Ther.* 2012 Oct; 35(8):589-99. PMID: 23158464
6. Saper RB, Sherman KJ, Delitto A, Herman PM, **Stevans J,** Paris R, Keosaian JE, Cerrada CJ, Lemaster CM, Faulkner C, Breuer M, Weinberg J. Yoga vs. physical therapy vs. education for chronic low back pain in predominantly minority populations: study protocol for a randomized controlled trial. *Trials.* 2014 Feb 26;15:67.
7. Schneider M, Haas M, Glick R, **Stevans J,** Landsittel D. A Comparison of Spinal Manipulation Methods and usual Medical care for Acute and Sub-Acute Low Back Pain: A Randomized Clinical Trial. *Spine (Phila Pa 1976).* 2015 Feb 15;40(4):209-17. PMID: 25423308
8. **Stevans JM,** Bise C, McGee JC, et al. Special Issue: Knowledge Translation and Implementation. Evidence-Based Practice Implementation: A Case Report of the Evolution of a Quality Improvement Program in a Multi-Center Physical Therapy Organization. *Phys Ther.* 2015 Apr;95(4):588-99. PMID: 25573756
9. Bellon JE, **Stevans JM,** Cohen SM, James AE 3rd, Reynolds B, Zhang Y. Comparing Advanced Practice Providers and Physicians as Providers of e-Visits. *Telemed J E Health.* 2015 Dec;21(12):1019-26. PMID: 26161623
10. Driessen J, Bellon JE, **Stevans J,** James AE 3rd, Minnier T, Reynolds BR, Zhang Y. Innovative approaches to interprofessional care at the University of Pittsburgh Medical Center. *J Interprof Care.* 2015;29(5):520-1. PMID: 26171868

11. Alrwaily M, Timko M, Schneider M, **Stevans J**, Bise C, Hariharan K, Delitto A. Treatment-Based Classification System for Low Back Pain: Revision and Update. *Phys Ther.* 2016 July;96(7):1057-1066. PMID: 26637653
12. Schneider MJ, Terhorst L, Murphy D, **Stevans JM**, Hoffman R, Cambron JA. Exploratory Analysis of Clinical Predictors of Outcomes of Nonsurgical Treatment in Patients With Lumbar Spinal Stenosis. *J Manipulative Physiol Ther.* 2016 Feb;39(2):88-94. PMID: 26907616
13. Hurwitz EL, Vassilaki M, Li D, Schneider MJ, **Stevans JM**, Phillips RB, Phelan SP, Lewis EA, Armstrong RC. Variations in Patterns of Utilization and Charges for the Care of Headache in North Carolina, 2000-2009: A Statewide Claims' Data Analysis. *J Manipulative Physiol Ther.* 2016 May;39(4):229-39. PMID: 27166404
14. Hurwitz EL, Li D, Guillen J, Schneider MJ, **Stevans JM**, Phillips RB, Phelan SP, Lewis EA, Armstrong RC, Vassilaki M. Variations in Patterns of Utilization and Charges for the Care of Neck Pain in North Carolina, 2000 to 2009: A Statewide Claims' Data Analysis. *J Manipulative Physiol Ther.* 2016 May;39(4):240-51. PMID: 27166405
15. Hurwitz EL, Li D, Guillen J, Schneider MJ, **Stevans JM**, Phillips RB, Phelan SP, Lewis EA, Armstrong RC, Vassilaki M. Variations in Patterns of Utilization and Charges for the Care of Low Back Pain in North Carolina, 2000 to 2009: A Statewide Claims' Data Analysis. *J Manipulative Physiol Ther.* 2016 May;39(4):252-62. PMID: 27166406
16. Driessen J, Bellon JE, **Stevans J**, Forsythe RM, Reynolds BR, James AE 3rd. Perceived Performance and Impact of a Non-Physician-Led Interprofessional Team in a Trauma Clinic Setting. *J Interprof Care.* 2017 Jan;31(1):112-114. PMID: 27880082
17. McGee JC, Bise CG, **Stevans JM**. An Orthopedic Performance Improvement Initiative at a Small Military Treatment Facility. *Mil Med.* 2017 Mar/Apr Supplement;182: 18-25.
18. **Stevans JM**, Fitzgerald GK, Piva SR, Schneider MJ. The Association of Early Outpatient Rehabilitation with Health Service Utilization in Managing Medicare Beneficiaries with Non-Traumatic Knee Pain: A Retrospective Cohort Study. *Phys Ther.* 2017 Jun 1;97(6):615-624. PMID:29073739
19. Bellon JE, Driessen J, **Stevans J**, James AE 3rd, Reynolds BR, Trauth. Organizational and Environmental Context for Including Advanced Practice Providers in UPMC Hospitalist Models. *J Organ Psych.* 2017 June;17(2):10-23.
20. Saper RB, Lemaster CM, Delitto A, Sherman KJ, Herman PM, Sadikova E, **Stevans J**, Keosaian JE, Cerrada CJ, Paris R, Faulkner C, Breuer M, Weinberg J. Yoga, Physical Therapy, or Education for Chronic Low Back Pain: A Randomized Controlled Noninferiority Trial. *Ann Intern Med.* 2017 Jul 18;167(2):85-94. PMID 28631003
21. Taira D, Sentell T, Albright C, Lansidell D, Nakagawa K, Seto T, **Stevans JM**. Insights in Public Health: Ambulatory Blood Pressure Monitoring: Underuse in Clinical Practice in Hawai'i. *Hawaii J Med Public Health.* 2017 Nov;76(11):314-317. PMID:29164016
22. Alrwaily M, Timko M, Schneider M, Kawchuck G; Bise C, Hariharan K, **Stevans JM**, Delitto A. Treatment-Based Classification System for Patients with Low Back Pain: The Movement Control Approach. *Phys Ther.* 2017 Dec;97(12):1147-1157.

23. Baker NA, **Stevans JM**, Terhorst L, Haas AM, Kuo YF, Al Snih S. What Types of Treatment Are Provided for Patients with Carpal Tunnel Syndrome? A Retrospective Analysis of Commercial Insurance. *PM R*. 2018 Aug;10(8): 826–835.
24. Joyce C, Schneider M, **Stevans JM**, Beneciuk JM. Improving Physical Therapy Pain Care, Quality and Cost Through Effectiveness-Implementation Research. *Phys Ther*. 2018 May 1;98(5):447-456.
25. Mormer E, **Stevans J**. Clinical Quality Improvement and Quality Improvement Research. Perspectives of the ASHA Special Interest Groups 2019 February 26; 4:27-37.
26. Delitto A, Patterson CG, **Stevans JM**, Target Trial Investigators et al Study Protocol for Targeted Interventions to Prevent Chronic Low Back Pain in High-Risk Patients: A Pragmatic Randomized Controlled Trial (TARGET Trial). *Contemp Clin Trials*. 2019 May;82:66-76.
27. Côté P, Bussi eres A, Cassidy JD, Hartvigsen J, Kawchuk GN, Leboeuf-Yde C, Mior S, Schneider M; 140 signatories# call for an end to pseudoscientific claims on the effect of chiropractic care on immune function. A united statement of the global chiropractic research community against the pseudoscientific claim that chiropractic care boosts immunity. *Chiropr Man Therap*. 2020 May 4;28(1):21.
28. Middleton A, Fitzgerald GK, Delitto A, Saper RB, Gergen Barnett K, **Stevans J**. Implementing stratified care for acute low back pain in primary care using the STarT Back instrument: a process evaluation within the context of a large pragmatic cluster randomized trial. *BMC Musculoskelet Disord*. 2020 Nov 25;21(1):776.
29. **Stevans JM**, Delitto A, Khoja SS, Patterson CG, Smith CN, Schneider MJ, Freburger JK, Greco CM, Freel JA, Sowa GA, Wasan AD, Brennan GP, Hunter SJ, Minick KI, Wegener ST, Ephraim PL, Friedman M, Beneciuk JM, George SZ, Saper RB. Risk Factors Associated with Transition from Acute to Chronic Low Back Pain in US Patients Seeking Primary Care. *JAMA Netw Open*. 2021 Feb 1;4(2):e2037371.
30. Delitto A, Patterson CG, **Stevans JM**, Freburger JK, Khoja SS, Schneider MJ, Greco CM, Freel JA, Sowa GA, Wasan AD, Brennan GP, Hunter SJ, Minick KI, Wegener ST, Ephraim PL, Beneciuk JM, George SZ, Saper RB. Stratified care to prevent chronic low back pain in high-risk patients: The TARGET trial. A multi-site pragmatic cluster randomized trial. *EClinicalMedicine*. 2021 Mar 30;34:100795.
31. Gliedt JA, Perle SM, Puhl AA, Daehler S, Schneider MJ, **Stevans J**. Evaluation of United States chiropractic professional subgroups: a survey of randomly sampled chiropractors. *BMC Health Serv Res*. 2021 Oct 5;21(1):1049.
32. Resnik L, Clark MA, Freburger J, McDonough C, Poploski K, Ressel K, Whitten M, **Stevans J**. Development of a rehabilitation researcher survey of knowledge and interest in learning health systems research. *Learn Health Syst*. 2021 Nov 18;6(2):e10298
33. Joyce C, Keysor J, **Stevans J**, Ready K, Roseen EJ, Saper RB. Beyond the pain: A qualitative study exploring the physical therapy experience in patients with chronic low back pain. *Physiother Theory Pract*. 2022 Jan 27:1-11.
34. Murphy DR, Justice B, Bise CG, Timko M, **Stevans JM**, Schneider MJ. The primary spine practitioner as a new role in healthcare systems in North America. *Chiropr Man Therap*. 2022 Feb 9;30(1):6.

35. Roseen EJ, Smith CN, Essien UR, Cozier YC, Joyce C, Morone NE, Phillips RS, Barnett KG, Patterson CG, Wegener ST, Brennan GP, Delitto A, Saper RB, Beneciuk JM, **Stevans JM**; TARGET TRIAL GROUP. Racial and ethnic disparities in the incidence of high-impact chronic pain among primary care patients with acute low back pain: A cohort study. *Pain Med*. 2022 Dec 19;pnac193.
36. Brennan GP, Snow G, Minick KI, **Stevans JM**. Significant Clinical Improvement Was Predicted in a Cohort of Patients With Low Back Pain Early in the Care Process. *Phys Ther*. 2023 Sep 1;103(9):pzad082. PMID: 37402701.
37. Joyce CT, Roseen EJ, Smith CN, Patterson CG, McDonough CM, Hurstak E, Morone NE, Beneciuk J, **Stevans JM**, Delitto A, Saper RB. A Cluster Analysis of Initial Primary Care Orders for Patients with Acute Low Back Pain. *J Am Board Fam Med*. 2024 Jan 5;36(6):986-995. PMID: 38182423.

2. Other Non-Peer Reviewed Publications

1. **Stevans, JM**. The Opioid Abuse Epidemic: How Chiropractic Benefits Can Mitigate an Employer's Risk. *California Broker Magazine*, June 2016.

3. Books, Book Chapters, and Monographs

1. **Stevans JM**, Saper RB. Chronic Low Back Pain. In: Raket D, editor. *Integrative Medicine*. 3rd ed. Philadelphia PA: Elsevier; 2012. p. 588-98.
2. **Stevans JM**, Tellin W, Schneider MJ. Chiropractic Scopes of Practice: An Analysis to Inform Evidence Based Professional Regulation. A report prepared for the Lincoln College Education and Research Fund, March 2015.

SCIENTIFIC and PROFESSIONAL PRESENTATIONS

1. Conference Presentations

1. **Stevans JM**, Smith, KJ. The Cost-effectiveness of Three Referral Strategies in the Primary Care Setting. Society for Medical Decision Making Annual Conference, Toronto, Canada, October 2010.
2. **Stevans JM**. The 2008 Prevalence of Chiropractic Use in the US Adult Population. Association of Chiropractic Colleges and Research Agenda Conference, Washington, D.C., March 2013.
3. **Stevans JM**. Clinical, Demographic, and Geographic Determinants of Variation in Chiropractic Episodes of Care for Adults Using the 2005-2008 Medical Expenditure Panel Survey. Association of Chiropractic Colleges and Research Agenda Conference, Washington, D.C., March 2013.
4. Delitto A, Irrgang JJ, Kelly KM, Miller DL, **Stevans JM**. Curriculum Redesign in the Entry-Level Professional Physical Therapy Program: Teaching Students to put Evidence into Practice. All Together Better Health VII, Pittsburgh, PA, June 2014.

5. Fitzgerald LM, Delitto A, **Stevans JM**. The Student Health Center: A Novel Interprofessional Training Program for Second Year Doctor of Physical Therapy Students. All Together Better Health VII, Pittsburgh, PA, June 2014.
6. **Stevans JM**, Justice BD, Kerr JE. Implementing Interprofessional Spine Care Pathways across Upstate New York. All Together Better Health VII, Pittsburgh, PA, June 2014.
7. Forsythe RM, Reynolds BR, Rockar P, Toto P, **Stevans JM**. Interprofessionalism in practice: a novel approach to managing and coordinating care for post-discharge trauma patients using a non-physician led team. All Together Better Health VII, Pittsburgh, PA, June 2014.
8. Cohn E, **Stevans JM**, Steenrod JE. Interprofessional Clinical Education: Internal and External Models. All Together Better Health VII, Pittsburgh, PA, June 2014.
9. Bellon JE, Driessen J, **Stevans JM**, James AE III, Reynolds BR, Trauth JM. Organizational and environmental context for including advanced practice providers in hospitalist models. Academy of Management Conference, Anaheim, CA, August 2016.
10. Reynolds BR, Bellon JE, **Stevans JM**. A Value-Oriented Approach to Managing and Coordinating Post-Discharge Trauma Care Using Patient-Specific, Non-Physician Led Teams. All Together Better Health VII, Oxford, United Kingdom, September 2016.
11. **Stevans JM**, Schneider MJ, Hack LM, Terhorst L, Fitzgerald GK, Brach JS, Delitto A. Identifying Determinants of Suboptimal Adherence to Low Back Pain Guidelines in a 10 Year Old Physical Therapy Implementation Initiative: A Mixed Methods Study. 9th Annual Conference on the Science of Dissemination and Implementation, Washington, D.C., December 2016.
12. **Stevans JM**, Justice BD. Integrating Chiropractors within Patient Centered Medical Homes: A Pilot Study. Association of Chiropractic Colleges and Research Agenda Conference, Washington, D.C., March 2017.
13. **Stevans JM**, Kimp A, Terhorst L, Smith NC, Rovito D, Delitto A. Patient and Provider Behavior Change Associated with Low Back Pain Bundled Payments: Two Propensity Score Matched Cohort Studies. North American Spine Society Annual Meeting, Orlando, FL, November 2017.
14. **Stevans JM**. Implementation Issues in Value Based Payment Models. American Physical Therapy Association Combined Section Meeting, New Orleans, LA, February 2018.
15. Mormer E, **Stevans J**. Clinical Quality Improvement and Quality Improvement Research. American Speech-Language-Hearing Association Convention, Boston, MA, November 2018.
16. **Stevans JM**, Elster S, Huber S, Condel J, Murdoch D. Identification of Common Factors Associated with Sustainability and Spread of Exemplar Quality Improvement Projects Across Diverse Healthcare Organizations. 11th Annual Conference on the Science of Dissemination and Implementation, Washington, D.C., December 2018.
17. **Stevans JM**, Middleton JA, Fitzgerald GK. Implementation Challenges: Lessons Learned from a Large Pragmatic Trial. COHSTAR Implementation Science Research Institute: A New Frontier for Rehabilitation conference, Providence, RI, May 2019.
18. **Stevans JM**, Delitto A, Saper R, Brennan G, Morrisette D, Wegener S, TARGET Trial Study Team. Implementation of the Multi-Site Pragmatic Cluster Randomized Controlled Trial: Targeted Interventions to Prevent Chronic Low Back Pain (LBP) in High Risk Patients (TARGET). Society for Clinical Trials 40th Annual Meeting, New Orleans, LA, May 2019.

19. Middleton JA, Fitzgerald GK, **Stevens JM**. Implementation of technology-mediated screening and referral of high-risk back pain patients to non-pharmacological treatment in primary care. 12th Annual Conference on the Science of Dissemination and Implementation, Washington, D.C., December 2019.

2. Invited Presentations

1. **Stevens JM**. Coding Strategies for Complementary and Alternative Medicine. National Committee on Vital and Health Statistics, Subcommittee on Standards and Security, Department of Health and Human Services, Washington, D.C., January 2003.
2. Ruane T, **Stevens JM**. Evidence-Based Management of the Physical Therapy Benefit in a Large PPO. Specialty Network Management Conference, World Research Group, Orlando, FL, November 2009.
3. **Stevens JM**. A Narrative Review of the United States Chiropractic Practice Acts. American College of Chiropractic Consultants and The Council on Forensic Sciences Annual Fall Conference, Oak Brook, IL, October 2012.
4. **Stevens JM**. The United States Chiropractic Practice Acts: A Qualitative Study. American Chiropractic Association House of Delegates, Washington, D.C., March 2013.
5. **Stevens JM**, Bellon JE. Implementation Research in an Interprofessional Setting. UPMC Office of Advanced Practice Providers Annual CME Conference, Pittsburgh, PA, December 2014.
6. **Stevens JM**. Patient Behavior Change Associated with Reduced Copayments for Low Back Pain Episodes of Care: A Propensity Score Matched Cohort Study. University of Pittsburgh, Katz School of Business, Pittsburgh, PA, October 2017.
7. **Stevens JM**. Identifying Barriers and Facilitators to Low Back Pain Guideline Adherence: An Implementation Science Approach. The Intermountain Healthcare ROMS Conference, Salt Lake City, UT, March 2018.
8. **Stevens JM**. Implementation Science: Moving Clinical Innovations into Real-World Practice Settings. Brooks Rehabilitation and University of Florida College of Public Health and Health Professions Collaboration Event, Jacksonville, FL, January 2019.
9. **Stevens JM**. Implementation Challenges: Lessons Learned from a Large Pragmatic Trial. The Patient-Centered Outcomes Research Institute PaTH Clinical Research Network Steering Committee Meeting, Pittsburgh, PA, September 2019.
10. **Stevens JM**. Defragmenting Spine Care: The Role of the Advanced Practice Provider. UPMC Office of Advanced Practice Providers Annual CME Conference, Pittsburgh, PA, December 2019.

ACADEMIC PROFESSIONAL ACTIVITIES

PRIOR RESEARCH GRANTS

1. Title: Building a Nexus for Better Care, Added Value, and Healthier Communities (James PI)
Role: Implementation Science Expert (15% Effort)
Award: \$218,181
Source: National Center for Interprofessional Practice and Education
Project Period: February 1, 2014 to June 30, 2017

2. Title: The Comparative Effectiveness of Reduced Patient Copayments and Bundled Provider Reimbursement as Agents of Behavior Change During Low Back Pain Rehabilitation in the Outpatient Physical Therapy Setting
Role: Principal Investigator (No Salary Support)
Award: \$35,880
Source: North American Spine Society
Project Period: January 1, 2015 to December 31, 2016
3. Title: The Effects of Implementing Copayments Changes on Access, Frequency, and Composition of Spine Care Services in the North Carolina State Employee Health Plan
Role: Principal Investigator (5% Effort)
Source: NCMIC Foundation
Award: \$27,000
Project Period: January 1, 2016 to December 31, 2017
4. Title: Spinal Manipulation and Patient Self-Management to Prevent Back Pain Chronicity: An Effectiveness-Implementation Hybrid Study (Bronfort PI)
Role: Co-Investigator, Implementation Science Expert (10% Effort)
Award: \$749,147
Source: NIH/NCCIH (1UG3AT008769-01A1)
Project Period: September 1, 2017 to August 31, 2019
5. Title: Targeted Interventions to Prevent Chronic Low Back Pain in High Risk Patients: A National Type II Effectiveness-Implementation Hybrid Trial (Delitto & Saper Co-PI)
Role: Co-Investigator, Implementation Science Expert (30% Effort)
Award (subaward): \$3,306,299
Source: Patient Centered Outcomes Research Institute (PCS-1402-10867)
Project Period: July 1, 2015 to March 31, 2020
6. Title: Spinal Manipulation and Patient Self-Management to Prevent Back Pain Chronicity: An Effectiveness-Implementation Hybrid Study (Bronfort PI)
Role: Co-Investigator, Implementation Science Expert (15% Effort)
Award (subaward): \$3,891,222
Source: NIH/NCCIH (1UH3AT008769-01A1)
Project Period: September 1, 2017 to August 31, 2023
7. Title: Physician Referral Patterns to Physical Therapists for Managing Knee Osteoarthritis: An Analysis using Patient Electronic Health Records at the University of Pittsburgh Medical Center (Khoja PI)
Role: Co-Investigator, Electronic Health Records Methods Expert (2.5% Effort)
Award: \$25,000
Source: Academy of Orthopaedic Physical Therapy
Project Period: February 28, 2019 to February 27, 2021
8. Title: HEALing LB3P: Profiling Biomechanical, Biological and Behavioral Phenotypes (Sowa & Vo Co-PI)
Role: Co-Investigator, Implementation Science Expert (5% Effort)
Award (subaward): \$3,667,810
Source: NIH/NIAMS (1U19AR076725-01)
Project Period: September 26, 2019 to May 31, 2024
9. Title: LeaRRn: The Learning Health Systems Rehabilitation Research Network (Resnik PI)

Role: Principal Investigator (PI), Technique Development Core and Pilot Core (10% Effort)
Award (subaward): \$1,627,029
Source: NIH/NCMRR (RFA-AR-19-026)
Review Date: November 2019
Impact Score: 24
Proposed Project Period: June 1, 2020 to May 30, 2025

1. Other Research Related Activities

1. Editorships

1. 2019-2021 Editorial Board Member, Physical Therapy Journal

2. Journal Refereeing

1. 2014-2018 Physical Therapy Journal

2. 2012-2015 Journal of Manipulative and Physiological Therapeutics

TEACHING

1. Summary of Courses Taught

Course	Title	Years	Students	Responsibilities
HRS 3002	Methods of Inquiry for Rehabilitation Sciences I	2012-2021	10-15 PhD	Qualitative Research Methods Lecture, 1 contact hour
PT 2073	Evidence Based Practice II	2013-2016	50-60 DPT	Practice Based Evidence & Value Based Physical Therapy lectures, 2 contact hours
PT 2083	Physical Therapy Leadership & Professional Development 3	2015-2016	50-60 DPT	Health Informatics and Big Data & Insurance Use of Claims lectures, 2 contact hours
PT 2074	Evidence Based Practice III	2016-2018	50-60 DPT	Health Informatics and Big Data, Insurance Use of Claims, Value Based Healthcare, & Introduction to Implementation Science lectures, 2-3 lectures, 4-5 contact hours
HRS 3001	Doctoral Seminar	2017	30 PhD	Introduction to Implementation Science lecture, 1 contact hour
CSD 2101	Statistical Methods in Clinical Research 1	2018-2021	10-15 AuD	Lead instructor responsible for all aspects of the course, revised course materials, introduced

				flipped classroom, integrated Microsoft Excel for routine statistical analyses, 16 lectures, 48 contact hours
CSD 2102	Statistical Methods in Clinical Research 2	2018-2021	10-15 AuD	Lead instructor responsible for all aspects of the course, revised course materials, integrated Stata software to accommodate more sophisticated statistical analyses, 16 lectures, 48 contact hours

2. Mentoring

Faculty

1. Role: Primary Mentor, Implementation Science Expert
Mentee: Addie Middleton, PhD, DPT
Position: CoHSTAR Fellow
Dates: 2017-2019
Project Title: Implementing Stratified Care for Acute Low Back Pain in Primary Care: A Process Evaluation Within the Context of a Large Pragmatic Cluster Randomized Trial
2. Role: Co-mentor, Mixed Methods Expert
Mentee: Mark Paterno, PT, PhD, MBA, SCS, ATC
Position: CoHSTAR Fellow
Dates: 2019-2021
Project Title: Alternative Models of Care to Improve Outcome after Anterior Cruciate Ligament (ACL) Reconstruction
3. Role: Primary Mentor, Health Service Research Expert
Mentee: Jake Magel, PhD, DPT
Position: LeaRRn Fellow
Dates: 2020-2021
Project Title: The Outcomes of Patients Classified Using the Treatment-Based Classification for Patients with Low Back Pain.

Clinical Doctoral Students

1. Role: Committee Member, Health Services Methods Expert
Mentee: Lynne Pasierb, RN, BSN
Degree: Doctor of Nursing Practice
Date of Graduation: April 2017
Project Title: Investigating the Diagnostic Concordance between Telemedicine Provider Visits and Face-to-Face Provider Visits

2. Role: Primary Mentor, Implementation Science Expert
Mentee: Christina White
Degree: Doctor of Physical Therapy
Date of Graduation: December 2020
Project Title: Development of a Worksite Ergonomics Program for Custodial Workers at the University of Pittsburgh
3. Role: Primary Mentor, Implementation Science Expert
Mentee: Sebastian Fearon
Degree: Doctor of Physical Therapy
Date of Graduation: December 2020
Project Title: Development of a Worksite Ergonomics Program for Custodial Workers at the University of Pittsburgh

Masters Students

1. Role: Committee Member, Implementation Science Expert
Mentee: Megan Suter
Degree: Master of Health Administration, Health Policy and Management
Date of Graduation: April 2015
Masters Essay Title: Improved Utilization of Advanced Practice Providers
2. Role: Committee Member, Implementation Science Expert
Mentee: Aleksandra Jurewicz, JD
Degree: Master of Health Administration, Health Policy and Management
Date of Graduation: April 2018
Masters Essay Title: The Care Act's Implementation Process – UPMC Case Study

Undergraduate Students

1. Role: Co-mentor, Implementation Science Expert
Mentee: Marsha Stamatakis
Degree: Bachelor of Science, Nutrition Science
Date of Graduation: April 2017
Project Title: Evaluating the Effects of Interprofessional Team Care Implementation on Patient Outcomes and Medical Costs

UNIVERSITY OF PITTSBURGH AND COMMUNITY SERVICE

1. Physical Therapy Department

1. 2014-2021 Student Performance Improvement Projects: Annually review and assess four Doctor of Physical Therapy student performance improvement projects.

2. 2017-2021 Primary Spine Practitioner Certificate Program: Core member of the development team and teaching faculty within in the Primary Spine Practitioner Program. This post-professional certification program trains physical therapists and chiropractors to be the first-contact provider for patients with spinal problems.
3. 2018-2021 CoHSTAR Implementation Science Conference: Implementation science subject matter expert on the conference planning committee for the program entitled "Implementation Science Research Institute: A New Frontier for Rehabilitation". As a result of the success of this conference we are planning another implementation science conference this year.
4. 2019-2021 Advance Practice Provider (APP) Low Back Pain Training Program: Leading the development of a post-professional program to train physician assistants and nurse practitioners to provide evidence-based low back pain management.

2. School of Health and Rehabilitation (SHRS)

1. 2017-2021 Doctor of Chiropractic Program (DCP): Collaborated on a comprehensive proposal and budget seeking to establish a new DCP within SHRS. If approved, this would be the first DCP in a R1 university in the United States.
2. 2019-2021 MyHealth@Work Onsite Employee Clinic: Leading the integration of Doctor of Physical Therapy and Doctor of Occupational Therapy students into the onsite, walk-in clinic to provide treatment to the University's faculty and staff.

3. University of Pittsburgh

1. 2013-2014 All Together Better Health (ATBH): Member of the Associate Vice Chancellor for Health Policy and Planning's conference planning committee which brought ATBH, the leading global interprofessional practice and education conference, to the University of Pittsburgh.
2. 2017-2021 Musculoskeletal Health and Wellness: Periodically consult and provide analytic services related to faculty and staff musculoskeletal health for the Assistant Vice Chancellor of University Benefits. This collaborative work has led to the MyHealth@Work and Custodial Injury Prevention initiatives.
3. 2018-2021 Custodial Injury Prevention Program: Collaborating with Facilities Management leadership to create and deploy a sustainable, student run ergonomics and injury prevention program for the University's 600+ custodial workforce.
4. 2019-2021 Clinical and Translational Science Institute (CTSI): Collaborating with the Associate Vice Chancellor for Clinical Research, Health Sciences, CTSI leadership and other University faculty to establish an Implementation Science Core within the CTSI.

4. Health Professions

1. 2014 North Carolina Chiropractic Association: Provided expert testimony regarding the negative consequences of high patient cost sharing for chiropractic services at a hearing of the North Carolina State Legislature's Committee on Health Care Provider Practice.
2. 2014-2015 American Chiropractic Association: Conducted an in-depth analysis and prepared a monograph documenting the substantial variation in Chiropractic Scopes of Practice to inform evidence based professional regulation.
3. 2014-2017 National Center for Interprofessional Practice and Education: Member of the Data Repository Advisory Council, which provided guidance on the development and storage of a minimum dataset designed to capture educational, clinical, and financial metrics for national interprofessional education and clinical practice projects.
4. 2019 Academy of Orthopaedic Physical Therapy (AOPT): Implementation science mentor in a half-day workshop for two faculty teams seeking to secure research funding to study the implementation of AOPT's neck and knee ligament strain clinical practice guidelines.

5. Community

1. 2018 Jewish Healthcare Foundation: Developed a seven-week implementation science curriculum for the Foundation's annual Patient Safety Fellowship. The Pittsburgh-based sessions included 34 Fellows from ten different colleges and 17 different disciplines.
2. 2019-2021 UPMC Health Plan: Consulting with the Chief Medical Officer, Commercial and Medicare Services and the Vice President of Provider Relations, Contracting and Reimbursement to modernize the Plan's chiropractic clinical policies, liaison with the Pennsylvania Chiropractic Association, and help design and implement a value-based chiropractic reimbursement program.