

John Licciardone, DO, MS, MBA, FACPM
Family Medicine and Osteopathic Manipulative Medicine
Texas College of Osteopathic Medicine
Email: John.Licciardone@unthsc.edu



Area of Expertise

Dr. Licciardone's research focuses on prevention and treatment of chronic pain. He holds the Richards-Cohen Distinguished Chair in Clinical Research and directs the Osteopathic Research Center, including its PRECISION Pain Research Registry. The latter studies precision medicine and biopsychosocial approaches to pain management, including use of pharmacogenetics to optimize opioid prescribing and avoid unintended consequences of their use. He received a Midcareer Investigator Award from the National Institutes of Health (NIH) and served as an expert panelist for NIH in the area of chronic pain. He recently served on the Work Group that developed NIH's Federal Pain Research Strategy. Dr. Licciardone is recognized by Expertscape as the leading international expert in osteopathic manipulation, and has served as a consultant to the World Health Organization on regulatory and safety issues relating to osteopathy in Europe and other nations. He directed the OSTEOPATHIC Trial, a five-year study funded by NIH that demonstrated substantial improvements and recovery from chronic low back pain with osteopathic manipulation. He is presently a Co-Investigator in the \$14 million Prevention of Acute to Chronic Back Pain Trial (PACBAC Trial), a national study to assess the efficacy of patient self-management and spinal manipulation in preventing chronic low back pain.

Qualifications

BS in Chemistry, Fordham University
DO, Kirksville College of Osteopathic Medicine
MS in Preventive Medicine, Ohio State University
MBA, Texas Christian University

Recent Publications

Spinal Manipulation and Clinician-Supported Self-Management for Preventing Chronic Low Back Pain Impact The PACBACK Randomized Clinical Trial

Bronfort, G., Meier, E. N., Leininger, B., Schneider, M., Evans, R., Greco, C., Hanson, L., McFarland, C., Chou, R., Connett, J., Delitto, A., George, S. Z., Glick, R. M., Keefe, F., Licciardone, J., Schulz, C., Turk, D., Comstock, B. A., Vasconcelos, A. G. & Heagerty, P. J., 3 Aug 2026, In: JAMA Internal Medicine. 186, 8, p. 952-963 12 p.

Long-term Pain and Function Outcomes Associated With Lumbar Spine Surgery for Chronic Low Back Pain: A Target Trial Emulation

Licciardone, J. C., Harrington, K. M., Anagol, A. S., Peraza, C. E., Shaikh, S. F., Malik, S. & Aryal, S., 1 Jun 2026, In: International Journal of Spine Surgery. 20, 3, p. 507-517 11 p.

Spinal Manipulation and Biopsychosocial Self-Management for Back Pain - Reply

Bronfort, G., Leininger, B. & Licciardone, J., 26 May 2026, In: Journal of the American Medical Association. 335, 20, p. 1816-1817 2 p.

Self-efficacy as a prognostic factor for pain, disability, and quality of life in chronic low back pain: a 24-month cohort study

Licciardone, J. C., Meyer, A. S., Lau, A. C., Tabet, A., Boody, T. T. & Aryal, S., Apr 2026, In: Pain Medicine (United States). 27, 4, p. 481-492 12 p.

Spinal Manipulation and Clinician-Supported Biopsychosocial Self-Management for Acute Back Pain: The PACBACK Randomized Clinical Trial

Bronfort, G., Meier, E. N., Leininger, B., Schneider, M., Evans, R., Greco, C., Hanson, L., McFarland, C., Chou, R., Connett, J., Delitto, A., George, S. Z., Glick, R. M., Keefe, F., Licciardone, J., Schulz, C., Turk, D. & Heagerty, P. J., 10 Feb 2026, In: Journal of the American Medical Association. 335, 6, p. 497-510 14 p.

Chronic pain outcomes among patients treated by osteopathic vs. allopathic physicians: a 36-month follow-up study
Licciardone, J. C., Lewis, H., Dahl, K., Adams, B. & Aryal, S., 1 Jan 2026, In: Journal of Osteopathic Medicine. 126, 1, p. 25-36 12 p.

Long-term chronic pain outcomes among patients treated by osteopathic physicians: Per-protocol analysis of a retrospective cohort study
Licciardone, J. C., Raphi, R., McKnight, K. N., Warnesuriye, R. N., Kim, J., Black, J. & Aryal, S., 2026, (Accepted/In press) In: Journal of Osteopathic Medicine.

Erratum to: Longitudinal outcomes among patients with fibromyalgia, chronic widespread pain, or localized chronic low back pain
Licciardone, J. C., Brownell, E., Nwaichi, U., Patel, A. & Do, K., 1 Dec 2025, In: Journal of Osteopathic Medicine. 125, 12, p. 613 1 p.

Longitudinal outcomes among patients with fibromyalgia, chronic widespread pain, or localized chronic low back pain
Licciardone, J. C., Brownell, E., Nwaichi, U., Patel, A. & Do, K., 1 Aug 2025, In: Journal of Osteopathic Medicine. 125, 8, p. 405-415 11 p.

Shared Decision-Making and Discontinuation of Opioid Therapy for Chronic Pain
Licciardone, J. C., Digilio, M. & Aryal, S., 1 Mar 2025, In: Journal of the American Board of Family Medicine. 38, 2, p. 275-289 15 p.

Sponsored Projects

2012 Partners Against Pain - The OSTEOPATHIC Trial

Licciardone, J. (PI)
American Osteopathic Foundation
1/01/13 → 30/06/14

Chronic Pain Management Provid

Licciardone, J. (PI)
American Osteopathic Association
1/09/23 → 28/02/25

Cost Effectiveness of Osteopathic Health Care a National Study Based on the Medical Expenditure Panel Survey

Licciardone, J. (PI)
American Osteopathic Association
1/09/10 → 31/03/12

Mechanisms of Action of OMT for Chronic Low Back Pain

Licciardone, J. (PI) & Hodge, L. (Col)
American Osteopathic Association
1/09/09 → 31/03/12

Meeting Support for Developing PBRN's in the Osteopathic Profession

Licciardone, J. (PI)
Osteopathic Heritage Foundation
15/05/10 → 31/12/10

Midcareer Investigator Award in CAM-Osteopathic Medicine

Licciardone, J. (PI)
National Center for Complementary and Integrative Health
1/09/05 → 30/06/11

Midcareer Investigator Award in CAM-Osteopathic Medicine

Licciardone, J. (PI)

1/09/05 → 30/06/09

Optimizing Chronic Pain Management through Patient Engagement with Quality of Life Measures: A Randomized Controlled Trial

Licciardone, J. (PI) & Aryal, S. (Col)

American Osteopathic Association

1/09/19 → 31/08/21

Osteopathic Manipulative Treatment of Somatic Dysfunction and Chronic Low Back Pain in Patients with Type 2 Diabetes Mellitus

Licciardone, J. (PI), Hodge, L. (Col), Aryal, S. (Col) & Mason, D. (Col)

American Osteopathic Association

1/09/13 → 31/12/15

Osteopathic vs Allopathic Physician Opioid Prescribing for Chronic Pain: A Longitudinal Study of Long-Term Outcomes and the Role of Osteopathic Manipulative Treatment

Licciardone, J. (PI)

American Osteopathic Association

1/09/21 → 28/02/23

Osteopathic Heritage Foundation And The Osteopathic Research Center: Partnership To Enhance The Evidence For Osteopathic Medicine

Licciardone, J. (PI) & Phillips, N. (Col)

Osteopathic Heritage Foundation

15/11/09 → 14/11/17

Safety and Effectiveness of Opioids in Patients with Low Back Pain: A Registry-Based Cohort Study to Compare Single- and Multi-Gene Approaches to Precision Medicine Prescribing vs. Usual Care

Licciardone, J. (PI), Phillips, N. (Col), Aryal, S. (Col), Mason, D. (Col) & White, A. (Col)

Intramural Research(UNTHSC)

1/01/17 → 31/03/19

Spinal Manipulation and Patient Self-Management to Prevent Back Pain Chronicity

Licciardone, J. (PI)

University of Minnesota

1/09/17 → 31/08/18

The Distinctive Osteopathic Ap

Licciardone, J. (PI)

American Osteopathic Association

1/07/25 → 30/06/27

The Osteopathic Approach to Chronic Pain Management: Assessing its Biopsychosocial Processes and Relationships to Clinical Outcomes

Licciardone, J. (PI), Phillips, N. (Col) & Aryal, S. (Col)

American Osteopathic Association

1/09/17 → 31/08/19

The Osteopathic Difference in Treating Patients with Low Back Pain

Licciardone, J. (PI), Aryal, S. (Col), Mason, D. (Col) & Lee, Y. (Col)

American Osteopathic Association

1/09/16 → 31/08/18