

**Paul E. Dougherty, DC**  
**2000 Van Auken Road**  
**Newark, NY 14513**

**EDUCATION:**

**Doctor of Chiropractic:** Logan College of Chiropractic, Chesterfield, MO

- Hospital Externship, Metropolitan North & West Hospital, St. Louis, MO. 1990

**Bachelor of Arts, Biology:** Northwestern College, Orange City, IA

**CERTIFICATIONS:**

**1996 Diplomate of the American Board of Chiropractic Orthopedists**

Educational program through National College of Chiropractic, Lombard, Illinois

**PROFESSIONAL:**

▪ **EMPLOYMENT:**

- 1991-1995 Private Practice of Chiropractic, Owego, NY.
- 1995-2002 Private Practice of Chiropractic, Vestal, NY.
- 2000 Director of Chiropractic services, Pain Management Clinic: Cayuga Medical Center, Ithaca, NY.
- 1998-2002 Director of Chiropractic Services – United Spine Care. Binghamton, NY. Multidisciplinary Spine Center including Neurosurgery, Neuroradiology, Physical Therapy, Chiropractic, Psychology and Case Management
- 1997-2002: Instructor, New York Chiropractic College
- 2003-2013: Faculty, New York Chiropractic College (FT 2003 – 2006, PT 2007 – 2013)
- 2005-2007 Chiropractic Consultant, Rochester Outpatient Clinic of the Veteran’s Administration, Division of Canandaigua VA Medical Center
- 2007-2019 Staff Chiropractor, Rochester Outpatient Clinic of the Veteran’s Administration, Division of Canandaigua VA Medical Center
- 2019-2023 Chief Chiropractic/Acupuncture, VA Finger Lakes Health Care System
- 2023- present: Integrated Care Research Section Chief, Syracuse VA Medical Center
- 2023- present: Researcher, Center for Integrated Healthcare, Syracuse VA Medical Center

▪ **VA SERVICE:**

- 2009-2010, 2012-present Chairman: Syracuse VA Institutional Review Board
- 2010-2011 Co-Chair: Syracuse VA Institutional Review Board
- 2010-2012 Co-Chair: Canandaigua VA Medical Center, Pain Oversight Committee
- 2009-2012 Chair Chiropractic Health Care Section: American Public Health Association
- 2011-present Member: Research and Development Committee: Syracuse VA Medical Center.
- 2011-2018 Chair Pain Oversight Committee: Canandaigua VA Medical Center
- 2014-2022 Director, Canandaigua VA Medical Center Chiropractic Residency Program, Sponsored by the Office of Academic Affiliations VA Central Office.
- 2018-present Affiliated Research Investigator to the Center of Excellence for Suicide Prevention.
- 2022-2023 present Affiliate, VA Center for Integrated Healthcare.

▪ **HOSPITAL AFFILIATIONS:**

- 1996 – 2002 Wilson Memorial Hospital and Binghamton General Hospital
- 2003-2007 Director of Chiropractic Consultative Services: Monroe Community Hospital, Rochester, NY. (Hospital privileges: Strong Memorial Hospital, Rochester NY, Dept. of Physical Medicine and Rehabilitation)
- 2005- 2023: Canandaigua VA Medical Center/VA Finger Lakes Health Care System
- 2019 – Present: Syracuse VA Medical Center

▪ **COMMITTEES:**

- 2009-2012 Member: Steering Committee for Project: “Consensus Process to Develop a ‘Best Practices’ Document for Chiropractic Care for Older Adults”
- 2009 – Present Member: North American Spine Society (NASS), Evidence-based Guideline Development Committee
- 2009-2015 Member: Spinal Disorders and Low Back Pain Strategic Planning Specialty Group of the US Bone and Joint Decade, Global Conference committee.
- 2010-2012 Chair: Chiropractic Health Section, American Public Health Association
- 2018-present Board Member: Central New York Research Corporation, currently
- Editorial Board:
  - 2011-present Topics in Integrated Health Care
- 2008- Present: Peer Reviewer for the Journals:
  - Spine
  - Chiropractic and Osteopathy
  - Journal of Manipulative and Physiologic Therapeutic
  - International Journal of Clinical Rheumatology
  - British Medical Journal
  - Annals of Internal Medicine
  - Chiropractic & Manual Therapies
  
- 2021- Present Member Data and Safety monitoring committee – National Center for Complementary and Integrative Health (NCCIH)

**ACADEMIC EMPLOYMENT:**

- 1996-1998 Research Associate, New York Chiropractic College.
- 1998-2002 Adjunct Professor, New York Chiropractic College.
- 2003-2005 Assistant Professor, New York Chiropractic College.
- 2006-2010 Associate Professor, New York Chiropractic College.
- 2003-2019 Affiliate Faculty: Geriatric Medicine Program, University of Rochester
- 2004-2019 Adjunct Assistant Professor, University Of Rochester School of Medicine, Dept. of Orthopedics
- 2010-2012 Professor, New York Chiropractic College Departments of Clinical Education and Research.
- 2011-2013 Director, Pilot Integrated Chiropractic Care Residency, Sponsored by the New York Chiropractic College
- 2013- present Adjunct Professor, Northeast College of Health Sciences, Departments of Clinical Education and Research.

**HONORS AND CREDENTIALS:**

- 1996** Board Certified Chiropractic Orthopedist
- 1997** Cox Flexion/Distractio – Lumbar Spine
- 1998** Certified in Manipulation Under Anesthesia
- 1999** McKenzie Part I Lumbar Spine
- 2000** Board of Directors: New York State Chiropractic Association (2000-2004)
- 2007** Board of Directors: US Bone and Joint Decade (2007-present)
- 2010** Reed Phillips Award: Presented by Chiropractic Field Advisory Board
- 2011** Academician of the Year: Presented by the American Chiropractic Association

**PROFESSIONAL MEMBERSHIPS:**

American Chiropractic Association  
American Public Health Association  
Council on Chiropractic Orthopedists  
North American Spine Society

## PUBLICATIONS:

<https://www.ncbi.nlm.nih.gov/sites/myncbi/1XQhel9WghE/bibliography/41217603/public/?sort=date&direction=ascending>

1. Dishman JD, **Dougherty PE**, and Burke JR. Evaluation of the effect of postural perturbation on motoneuronal activity following various methods of lumbar spinal manipulation. *Spine J.* 2005;5:650-9.
2. **Dougherty PE** and Lawrence D. Chiropractic care of musculoskeletal pain in multiple sclerosis patients. *Clinical Chiropractic* 2005;8:57-65.
3. **Dougherty PE** and Katz P. Complementary and alternative care in a long-term setting. *Annals of Long Term Care: Clinical Care and Aging* 2005;13:48-54.
4. **Dougherty PE** and Killinger L. Role of chiropractic in a long-term care setting. *Long-Term Care Interface* 2005;6:33-8.
5. **Dougherty PE**, Bajwa S, Burke J, and Dishman JD. Spinal manipulation postepidural injection for lumbar and cervical radiculopathy: a retrospective case series. *J.Manipulative Physiol Ther.* 2004;27:449-56.
6. **Dougherty PE**, Dimitroff LJ: Geriatricians' attitudes about chiropractic: A qualitative study with recommendations for medical and chiropractic education. *Best Practices in Complementary Care*. Accepted for publication.
7. Burke J, Buchberger D, Carey-Loghmani MT, **Dougherty PE**, Greco DS, Dishman JD: A pilot study comparing two manual therapy interventions for carpal tunnel syndrome. *J. Manipulative Physiol. Ther.* 2007 30(1):50-61.
8. Johnson C, Baird R, **Dougherty PE**, Globe G, Green BN, Haneline M, Hawk C, Injeyan HS, Killinger L, Kopansky-Giles D, Lisi AJ, Mior SA, Smith M. Chiropractic and public health: current state and future vision. *J Manipulative Physiol Ther.* 2008 Jul-Aug;31(6):397-410.
9. **Dougherty PE**: Chiropractic in the 21<sup>st</sup> Century: An Overview for Primary Care Physicians. *Primary Care Reports* 2008 September 14(9): 1-12.
10. Papuga MO, Proulx ST, Kwok E, You Z, Rubery PT, **Dougherty PE**, Hilton MJ, Awad HA, Schwarz EM Chronic axial compression of the mouse tail segment induces MRI bone marrow edema changes that correlate with increased marrow vasculature and cellularity. 2010 Sep;28(9):1220-8.
11. **Dougherty PE**, Engels R, Burke, J: The use of spinal manipulative therapy for elderly patients with chronic obstructive pulmonary disease (COPD): a case series. *J Manipulative Physiol Ther.* 2011 Jul-Aug;34(6):413-7
12. Hawk C, Schneider M, **Dougherty PE**, Gleberzon BJ, Killinger LZ: Best Practices Recommendations for Chiropractic Care for Older Adults: Results of a Consensus Process. *J Manipulative Physiol Ther.* 2010 Jul-Aug;33(6):464-73.
13. **Dougherty PE**, Everett C, Weiner D, Lyons S: Chronic lower back pain in an older adult male: Grand rounds presentation. *Topics in Integrative Health Care* 2010, Vol. 1(2) ID: 1.2003.
14. **Dougherty PE**: Back Pain: Still More Questions than Answers. *J Amer Chiropr Assoc* 2011 March;48(2):6-7.
15. **Dougherty PE**, Hawk C, Weiner DK, Gleberzon B, Andrew K, Killinger L. The role of chiropractic care in older adults *Chiropractic & Manual Therapies* 2012, 20:3 (21 February 2012)
16. Johnson C, Rubinstein SM, Côté P, Hestbaek L, Injeyan HS, Puhl A, Green B, Napuli JG, Dunn AS, **Dougherty P**, Killinger LZ, Page SA, Stites JS, Ramcharan M, Leach RA, Byrd LD, Redwood D, Kopansky-Giles DR. Chiropractic care and public health: answering difficult questions about safety, care through the lifespan, and community action. *J Manipulative Physiol Ther.* 2012 Sep;35(7):493-513.
17. **Dougherty P**, Karuza J, Savino D, Katz P: Evaluation of the Clinical Prediction Rule for Spinal Manipulation in Chronic Lower Back Pain: A Prospective Randomized Clinical Trial. *Chiropractic & Manual Therapies* 2014, 22 :41 (18 November 2014)
18. **Dougherty P**, Karuza J, Savino D, Katz P: Spinal Manipulative Therapy for Chronic Lower Back Pain in Older Veterans: A prospective randomized placebo controlled trial. Paul E. Dougherty, *Geriatric Orthopaedic Surgery & Rehabilitation* 2014, Vol. 5(4) 154-164
19. Kreiner DS, Hwang SW, Easa JE, Resnick DK, Baisden JL, Bess S, Cho CH, Depalma MJ, **Dougherty P**, Fernand R, Ghiselli G, Hanna AS, Lamer T, Lisi AJ, Mazanec DJ, Meagher RJ, Nucci RC, Patel RD, Sembrano JN, Sharma AK, Summers JT, Taleghani CK, Tontz WL Jr, Toton JF. An evidence-based clinical guideline for the diagnosis and treatment of lumbar disc herniation with radiculopathy. *Spine J.* 2014 Jan 1;14(1):180-91.
20. Papuga O, **Dougherty P**, Burke J: The Reliability of a Novel Magnetic Resonance Compatible Electro-

- Pneumatic Device for Delivering a Painful Pressure Stimulus Over the Lumbar Spine. *Somatosensory & Motor Research, Somatosens Mot Res.* 2014 Oct 8;1-10.
21. Gay C, Bishop M, Papuga O, **Dougherty P**: The frequency and reliability of cortical activity using a novel strategy to present pressure pain stimulus over the lumbar spine, *Journal of Neuroscience Methods: Journal of Neuroscience Methods* (2015), pp. 108-113.
  22. Paul G. Matz, MD, R. J. Meagher, MD, Tim Lamer, MD, William L. Tontz, Jr, MD, Thiru M. Annaswamy, MD, R. Carter Cassidy, MD, Charles H. Cho, MD, MBA, **Paul Dougherty, DC**, John E. Easa, MD, Dennis E. Enix, DC, MBA, Bryan A. Gunnoe, MD, Jack Jallo, MD, PhD, FACS, Terrence D. Julien, MD, Matthew B. Maserati, MD, Robert C. Nucci, MD, John E. O'Toole, MD, MS, Jonathan N. Sembrano, MD, Alan T. Villavicencio, MD, Jens-Peter Witt, MD Review Article: An evidence-based clinical guideline for the diagnosis and treatment of degenerative lumbar spondylolisthesis, *Spine J.* 2016 Mar;16(3):439-48
  23. Fritz JM, Rundell SD, **Dougherty P**, Gentili A, Kochersberger G, Morone NE, Naga Raja S, Rodriguez E, Rossi MI, Shega J, Sowa G, Weiner DK. Deconstructing Chronic Low Back Pain in the Older Adult-Step by Step Evidence and Expert-Based Recommendations for Evaluation and Treatment. Part VI: Lumbar Spinal Stenosis. *Pain Med.* 2016 Mar;17(3):501-10.
  24. Engel RM, Vemulapad SR, **Dougherty P**. Safety of thrust joint manipulation in the thoracic spine: a systematic review. *J Man Manip Ther.* 2015 Sep;23(4):173. doi: 10.1179/2042618615Y.0000000017. PubMed PMID: 26917933; PubMed Central PMCID: PMC4727728.
  25. DiNapoli EA, Craine M, **Dougherty P**, Gentili A, Kochersberger G, Morone NE et al. Deconstructing Chronic Low Back Pain in the Older Adult - Step by Step Evidence and Expert-Based Recommendations for Evaluation and Treatment. Part V: Maladaptive Coping. *Pain Med.* 2016;17:64-73.
  26. Paige NM, Miake-Lye IM, Booth MS, Beroes JM, Mardian AS, **Dougherty P**, Branson R, Tang B, Morton SC, Shekelle PG. Association of Spinal Manipulative Therapy With Clinical Benefit and Harm for Acute Low Back Pain: Systematic Review and Meta-analysis. *JAMA.* 2017 Apr 11;317(14):1451-1460.
  27. Hawk C, Schneider MJ, Haas M, Katz P, **Dougherty P**, Gleberzon B, Killinger LZ, Weeks J. Best Practices for Chiropractic Care for Older Adults: A Systematic Review and Consensus Update. *J Manipulative Physiol Ther.* 2017 Mar 14. pii: S0161-4754(16)30227-5.
  28. **Dougherty P**, Taylor Brown S, Besterman-Dahan K, Bullock E, Savino D, Letter to the Editor: Pain management with functional activity in Veterans: Time for a Paradigm Shift." *Pain Med.* 2017 Apr 1. doi: 10.1093/pm/pnx043.
  29. Dishman, D, Burke, J, **Dougherty, P**. Title: Motor Neuron Excitability Attenuation as a Sequel to Lumbosacral Manipulation in Subacute Low Back Pain Patients and Asymptomatic Adults: A Cross-Sectional H-Reflex Study *Journal of Manipulative and Physiological Therapeutics. J Manipulative Physiol Ther.* 2018 Jun;41(5):363-371.
  30. Rae L, Dougherty P, Evertz N. Yoga vs Stretching in Veterans With Chronic Lower Back Pain and the Role of Mindfulness: A Pilot Randomized Controlled Trial. *J Chiropr Med.* 2020 Jun;19(2):101-110.
  31. Kreiner DS, Matz P, Bono CM, Cho CH, Easa JE, Ghiselli G, Ghogawala Z, Reitman CA, Resnick DK, Watters WC 3rd, Annaswamy TM, Baisden J, Bartynski WS, Bess S, Brewer RP, Cassidy RC, Cheng DS, Christie SD, Chutkan NB, Cohen BA, Dagenais S, Enix DE, Dougherty P, Golish SR, Gulur P, Hwang SW, Kilincer C, King JA, Lipson AC, Lisi AJ, Meagher RJ, O'Toole JE, Park P, Pekmezci M, Perry DR, Prasad R, Provenzano DA, Radcliff KE, Rahmathulla G, Reinsel TE, Rich RL Jr, Robbins DS, Rosolowski KA, Sembrano JN, Sharma AK, Stout AA, Taleghani CK, Tauzell RA, Trammell T, Vorobeychik Y, Yahiro AM. Guideline summary review: an evidence-based clinical guideline for the diagnosis and treatment of low back pain. *Spine J.* 2020 Jul;20(7):998-1024. doi: 10.1016/j.spinee.2020.04.006. Epub 2020 Apr 22. Erratum in: *Spine J.* 2021 Feb 24;: PMID: 32333996.
  32. Dougherty P, McCarten J, Ashrafioun L. Individual Barriers to Implementation of Whole Health for Pain Management Among Veterans. *J Altern Complement Med.* 2021 May;27(5):379-383. doi: 10.1089/acm.2020.0373. Epub 2021 May 4. PMID: 33945298.
  33. Moore C, Wong AYL, de Luca K, De Carvalho D, Johansson MS, Pohlman KA, Miller A, Funabashi M, Dougherty P, French S, Adams J, Kawchuk G. The impact and public health response of chiropractors to the COVID-19 pandemic: a survey across four continents. *Chiropr Man Therap.* 2022 May 9;30(1):24. doi: 10.1186/s12998-022-00432-6. PMID: 35534844; PMCID: PMC9081962.
  34. Clark JD, Bair MJ, Belitskaya-Lévy I, Fitzsimmons C, Zehm LM, Dougherty PE, Giannitrapani KF, Groessl EJ,

Higgins DM, Murphy JL, Riddle DL, Huang GD, Shih MC. Sequential and Comparative Evaluation of Pain Treatment Effectiveness Response (SCEPTER), a pragmatic trial for conservative chronic low back pain treatment. *Contemp Clin Trials*. 2023 Feb;125:107041. doi: 10.1016/j.cct.2022.107041. Epub 2022 Dec 7. PMID: 36496154.

35. Dougherty P. Can contextual factors improve clarity of the results from clinical trials of low back pain? *The Lancet Rheumatology*. 2024;6(1):e2-e3. doi:10.1016/S2665-9913(23)00319-3

**PRESENTATIONS:**

1. Dougherty P.E. (1994, March). Conservative Care of Cervical Spondylotic Myelopathy. Multidisciplinary Symposium on Spinal Stenosis conducted at the meeting of the New York Chiropractic Association, District 13.
2. Dougherty P.E. (1995, October). Chiropractic Management of Radiculopathy. Multidisciplinary Symposium on Radiculopathy conducted at the meeting of the New York Chiropractic Association, District 13.
3. Dougherty P.E. (2001, May). Manipulation Post Cervical Epidural Injection. Symposium conducted at the meeting of the Academy of Chiropractic Orthopedists, Scottsdale, AZ.
4. Dougherty P.E. (2001, September). Manipulation Post Epidural Injection: A non-surgical alternative to discogenic and radicular pain syndrome. Presented at Beth Israel Deaconess Pain Center, Boston, MA.
5. Dougherty P.E. (2001, April). Role of Chiropractic in the Hospital Setting: Presented at Halifax Region Medical Center, South Boston, VA.
6. Dougherty P.E. (2002, October). Pain Generators associated with Type IIA Lumbosacral Transition Segments Transition Segments. Symposium conducted at the meeting of the International Conference for Spinal Manipulation, Toronto Canada.
7. Dougherty P.E. (2003 January). Chiropractic management of Older Adults with Spinal Stenosis. Medical Grand Rounds, Monroe Community Hospital: Rochester, NY.
8. Dougherty P.E. (2004, January). Chiropractic Management of Musculoskeletal Pain Syndromes in Multiple Sclerosis Patients: Medical Grand Rounds, Monroe Community Hospital, Rochester, NY.
9. Dougherty PE, Katz P, Karuza J: Chiropractic Services within a long-term care setting. Presented at American Geriatric Society Meeting. Las Vegas, NV. May 18, 2004.
10. Dougherty PE, Katz P: Chiropractic Management of Musculoskeletal Pain syndromes in Multiple Sclerosis Patients. Presentation, American Public Health Association Annual Meeting. Washington, DC. November 2004.
11. Dimintroff L, Dougherty PE: Attitudes and beliefs of older adults about chiropractic: A phenomenological study. Presentation, American Public Health Association Annual Meeting. Washington, DC. November 2004.
12. Dougherty PE, Burke JM, Owens H: Physiologic Effects of Thoracic Manipulation on Long-Term Care Patients with Chronic Obstructive Pulmonary Disease: A Case Series Report. Presentation at World Federation of Chiropractic, Annual Conference, Sydney, Australia. June 2005.
13. Dougherty PE, Dimitroff LJ: Geriatricians' attitudes about chiropractic: A qualitative study with recommendations for medical and chiropractic education. Accepted for platform presentation at World Federation of Chiropractic, Annual Conference, Sydney, Australia. June 2005.
14. Dougherty PE, Katz P, Karuza J: Prevalence of Geriatric Practice among Chiropractors. Presented at New York State Society on Aging. October 19, 2005.
15. Dougherty PE, Dimitroff LJ: Geriatricians attitudes about Chiropractic Medicine. Presented at New York State Society on Aging. October 19, 2005.
16. Dougherty, P, Egan JT: Patient characteristics in a Chiropractic Clinic within a VA medical center. Accepted for presentation at the American Public Health Association, November 4, 2007.
17. Paul Dougherty, DC, Jurgis Karuza, PhD, Paul Katz, MD and Andrew S. Dunn, DC, MEd, MS: Chiropractic management of chronic lower back pain in older adults: A randomized clinical trial. Accepted for presentation at the American Public Health Association, October 27, 2008.
18. Paul Dougherty, DC, Jurgis Karuza, PhD, Paul Katz, MD and Jonathon Todd Egan: Spinal Manipulative Therapy versus Active Exercise Therapy for chronic lower back pain: A randomized clinical trial with subgroup analyses. Accepted for presentation at the American Public Health Association, October 27, 2008.

19. Dougherty P. MSK Problems in Older Adults: How to handle special challenges in evaluation and management. Presented at: World Federation of Chiropractic's 12<sup>th</sup> Biennial Congress, Durban, South Africa, April 10-13, 2013. 4-12-2013.
20. Dougherty P. Complete Chiropractic Care for Seniors. Presented at: World Federation of Chiropractic's 12<sup>th</sup> Biennial Congress, Durban, South Africa, April 10-13, 2013. 4-12-2013.
21. Dougherty P, Ventura J, Wiese B, Falardeau J. Improving Spine Care for the Older Adult in the Healthcare Reform Environment. Presented at: Association of Chiropractic Colleges Research Agenda Conference, Washington, DC, March 14-16, 2013. 3-16-2013.
22. Dougherty P, Gleberzon B, Killinger L, Hawk C. Chiropractic Management of the Older Adult. Presented at: Association of Chiropractic Colleges Research Agenda Conference, Las Vegas, NV, March 15-17, 2012.
23. Borggren C, Karuza J, Hightower J, Dougherty P. Description of Patient Characteristics and Treatment Methods Utilized of Patients Undergoing Care in an Integrated Chiropractic Clinic Within a Long-Term Care Hospital. *The Journal of Chiropractic Education* 25[1], 74. 3-18-2011. Notes: Presented at: American Association of Chiropractic Colleges Research Agenda Conference, Las Vegas, NV, March 17-19 2011.
24. Dougherty P, Wiles M, Osterbauer P, Weise B. Geriatric Education. Presented at: Association of Chiropractic Colleges Research Agenda Conference, Las Vegas, NV, March 17-19, 2011. Ref Type: Conference Proceeding
25. Dougherty P, Lyons S, Tolchin J, Everett C, Weiner D. Multidisciplinary management of Lumbar Spinal Stenosis. Presented at: Association of Chiropractic Colleges Research Agenda Conference, Las Vegas, NV. March 18, 2011. 3-18-2011.
26. Dougherty P, Savino D, Schafer L. Costs of Recruiting Chronic Lower Back Patients in Two Randomized Controlled Trials. Presented at American Public Health Association Annual Meeting, Washington DC, October 29 - November 2, 2011. 10-31-2011.
27. Papuga MO, Kwok E, Rubery P, Dougherty PE, Hilton MJ, Awad HA, Schwarz EM. TNF is required for the induction but not the maintenance of compression-induced BME signals in murine tail vertebrae: limitations of anti-TNF therapy for degenerative disc disease. Presented at Orthopaedic Research Society 2011 Annual Meeting, Long Beach, CA, January 13-16, 2011.
28. Dougherty P, Killinger L, Hawk C, Sportelli L. Taking Care of Our Geriatric Population. Presented at: Association of Chiropractic Colleges Research Agenda Conference, Las Vegas, Nevada, March 18-20, 2010. 3-20-2010.
29. Dougherty P, Savino D. Public Health Burden of Musculoskeletal Disease: The potential role of the chiropractic profession. Presented at American Public Health Association Annual Meeting, Denver, CO, November 6-10, 2010. 11-8-2010.
30. Evans W, Bartlett J, Dougherty P, Branson R. Back and Spinal Pain: A Public Health Priority. Presented at: Association of Chiropractic Colleges Research Agenda Conference, Las Vegas, Nevada, March 18-20, 2010. 3-19-2010.
31. Hawk C, Schneider M, Dougherty P, Gleberzon B, Killinger LZ. Consensus process to develop a "best practices" document for chiropractic care for older adults. Presented at American Public Health Association Annual Meeting, Denver, CO, November 6-10, 2010. 11-8-2010.
32. Killinger L, Dougherty P. Aging and Public Health: A Role for Chiropractic. *The Journal of Chiropractic Education* 24[1], 100. 2010. Ref Type: Abstract Notes: Presented at: Association of Chiropractic Colleges Research.
33. Napuli J, Dougherty P, Egan JT. Development of Core Competencies for Chiropractic Students Rotating Through a Department of Veterans Affairs Medical Center Chiropractic Clinic. *The Journal of Chiropractic Education* 24[1], 135. 2010. Presented at: Association of Chiropractic Colleges Research Agenda Conference, Las Vegas, Nevada, March 18-20, 2010.
34. Napuli J, Dougherty P, Chicoine D. Chiropractic management in a veteran population. Can outcomes be predicted? Presented at American Public Health Association Annual Meeting, Denver, CO, November 6-10, 2010. 11-8-2010.
35. Dougherty P, Karuza J, Savino D. Adverse Event Reporting in a Federally Funded Randomized Clinical Trial. Presented at: American Public Health Association Annual Meeting, Philadelphia, PA, November 7-11, 2009. 11-9-2009.

36. Napuli J, Dougherty P. Patient Response to Chiropractic Care and the Effects of Distance Traveled in a Rural Chiropractic Clinic within a Department of Veterans Affairs Medical Center Presented at: American Public Health Association Annual Meeting, Philadelphia, PA, November 7-11, 2009.
37. Papuga MO, Dougherty P, Awad H, Schwarz EM. A Compression Model of Vertebral Degeneration Elicits Bone Marrow Edema Signal on CE-MRI. Presented at: The 55th Annual Meeting of the Orthopaedic Research Society, Las Vegas, NV, February 22 - 25, 2009. 2-1-2009.
38. Passmore S, Johnson M, Aziz M, Burke J, Balliett M, Dougherty P. The Impact of Body Position and Walking on Neurophysiological Outcome Measures. *Journal of Chiropractic Education* 29[1], 84. 2015. Presented at: Association of Chiropractic Colleges Research Agenda Conference, Las Vegas, NV, March 19-21, 2015
39. Dougherty PE. Seniors: Assessing and managing mobility issues. Presented at: World Federation of Chiropractic 13th Biennial Congress, Athens, Greece, May 13-16, 2015. 2015. Conference Proceeding
40. Dougherty P, Killinger L, Schneider M. Best Practices in Geriatrics. Presented at: Association of Chiropractic Colleges Research Agenda Conference, Orlando, Florida, March 17 - 19, 2016.
41. Dougherty PE. Seniors: Assessing and managing mobility issues. Presented at: World Federation of Chiropractic 13th Biennial Congress, Athens, Greece, May 13-16, 2015.
42. Dougherty P, Taylor JA, Triano JJ. Chiropractic Care in the Complex Older Adult. Presented at: Association of Chiropractic Colleges Research Agenda Conference, Orlando, FL, March 20-22, 2014.
43. Mestan M, Dougherty P. Establishing Inter-Professional Clinical Training Opportunities. Presented at: World Federation of Chiropractic Educational Conference, Miami, FL, October 31, 2014.
44. Dougherty P, Ventura J, Wiese B, Falardeau J. Improving Spine Care for the Older Adult in the Healthcare Reform Environment. Presented at: Association of Chiropractic Colleges Research Agenda Conference, Washington, DC, March 14-16, 2013.
45. Dishman J, Burke J, Dougherty P. Motor neuron excitability attenuation as a sequel to lumbar manipulation in low back pain patients. *Journal of Chiropractic Education* 31[1], 33. 2017. Notes: Presented at: Association of Chiropractic Colleges Research Agenda Conference, Washington, DC, March 15 - 18, 2017
46. Dougherty P, Karuza J, Murphy J, Dluzniewski A, Savino D. Mind Body Intervention (MBI) for chronic lower back pain: A pilot study. *Journal of Chiropractic Education* 31[1], 33. 2017. Presented at: Association of Chiropractic Colleges Research Agenda Conference, Washington, DC, March 15 - 18, 2017
47. Hawk C, Schneider M, Haas M, Dougherty P, Gleberzon B, Killinger L, Katz P, Weeks J. Best practices for chiropractic care for older adults: A consensus update. *Journal of Chiropractic Education* 31[1], 37. 2017. Notes: Presented at: Association of Chiropractic Colleges Research Agenda Conference, Washington, DC, March 15 - 18, 2017

#### BOOK CHAPTERS:

Killinger LZ, Dougherty PE. Aging, Public Health and Chiropractic. Textbook chapter in: Haneline M. Public Health and Chiropractic. Jones and Bartlett publishers. 2009.

#### RESEARCH SUPPORT:

1. **Title:** The Effect of a Mechanical Force, Manually Assisted (MFMA) Thrust on Decreasing Muscle Tone in Patients with Spasticity.  
**Role:** Co-Investigator  
**Other Investigators:** PI – Brown, K, Co-Investigators: Dishman, J. D., Burke, J. R., and **Dougherty, P.** 2004.  
**Funding Agency:** Association of Chiropractic Colleges in conjunction with Education Investment Company - ACC Scholarship Program  
**Agency Administered:** New York Chiropractic College  
**Award Amount:** \$35,000.00  
**Award Period:** May 1, 2004 to April 30, 2005
2. **Title:** Segmental Effects of Spinal Manipulative Therapy on Motoneuron Activity in Mechanical Low Back Pain Patients.  
**Role:** Co-Investigator

**Other Investigators:** Dishman, J. D. Burke, J. R., Zhu, Y., and Ball, K. A.

**Funding Agency:** Foundation for Chiropractic Education and Research (FCER)

**Agency Administered:** New York Chiropractic College

**Award Amount:** \$68,340.00

**Award Period:** October 1, 2001 to May 31, 2003

3. **Title:** Conservative Management of Carpal Tunnel Syndrome with the Graston Technique.  
**Role:** Co-Investigator  
**Other Investigators:** Burke, J. R., Buchberger, D., Dishman, J. D. and Greco, D. S.  
**Funding Agency:** TherapyCare Resources, Inc.  
**Administering Agency:** New York Chiropractic College  
**Award Amount:** \$76,619.00  
**Award Period:** October 1, 2003 to October 31, 2005
4. **Title:** A Randomized Clinical Trial of Chiropractic Management versus Active Exercise Physical Therapy in Subgroups of Chronic Lower Back Pain Patients.  
**Role:** Principle Investigator  
**Other investigators:** 1. Katz, P, Karuza, J., Marshall, F. J., and Dunn, A. S. 2006.  
**Funding Agency:** HRSA-Chiropractic Demonstration  
**Agency Administered:** Central NY Research Corporation  
**Award Amount:** \$1,026,717.00  
**Award Period:** September 1, 2006 to August 31, 2009
5. **Title:** Chiropractic Management of Lower Back Pain in Older Adults.  
**Role:** Principle Investigator  
**Other Investigators:** Katz, P and Karuza, J.  
**Funding Agency:** Veterans Administration (Merit Award, CSRD)  
**Administering Agency:** VA  
**Award Amount:** \$465,386.00  
**Award Period:** April 1, 2006 to March 31, 2009
6. **Title:** Pilot Grant for fMRI in Chronic Lower Back Pain.  
**Role:** Principle Investigator  
**Other Investigators:** Papuga, M. O., Lerner, A. L, and Schwarz, E. M.  
**Funding Agency:** Rochester Center for Brain Imaging Pilot Research Grant (\$10,000)/ Central NY Research Corporation (\$2500)  
**Administering Agency:** Central NY Research Corporation  
**Award Amount:** \$10,000  
**Award Period:** May 1, 2011 to April 30, 2012
7. **Title:** Efficacy of Foot Orthotics in Veterans with Chronic Lower Back Pain.  
**Role:** Principle Investigator  
**Other Investigators:** Papuga, O, Burke, J  
**Funding Agency:** Foot Levelers Incorporated  
**Administering Agency:** Central NY Research Corp.  
**Award Amount:** \$243,270  
**Award Period:** January 2012 to January 2014
8. **Title:** Whole Health Implementation: Effect on functional improvement, reduction of opioid use and factors associated with suicidal ideation.  
**Role:** Principle Investigator

**Other Investigators:** Ashrafioun, L., Stecker, T:  
**Funding Agency:** Office of Mental Health and Suicide Prevention: Veteran  
**Administering Agency:** VA Finger Lakes Health Care System  
**Requested Amount:** \$108,760  
**Requested Period:** April 1, 2018- September 30, 2018

9. **Title:** Including manual therapy in pulmonary rehabilitation programs for US Veterans with moderate chronic obstructive pulmonary disease: A feasibility study.  
**Role:** Principle Investigator  
**Funding Agency:** National Chiropractic Mutual Insurance Company and Macquarie University  
**Administering Agency:** Central NY Research Corporation  
**Award Amount:** \$60,000  
**Award Period:** February 2019 – February 2021
10. **Title:** Sequential and Comparative Evaluation of Pain Treatment Effectiveness Response (SCEPTER). Protocol number: CSP #2009  
**Role (Dougherty):** Treatment Champion for Spinal Manipulative Therapy arm of the trial  
**Other Investigators:** Clark, D, Bair, M  
**Funding Agency:** Veteran Affairs, National Cooperative Studies  
**Administering Agency:** VA Finger Lakes Health Care System  
**Award Amount:** 10% salary support  
**Award Period:** October 2019 to September 2025

**Title:** Telehealth CBT to increase engagement in pain treatment among Veterans using prescription Opioids  
**Role:** Co-Investigator  
**Other Investigators:** Ashrafioun, L  
**Funding Agency:** Health Services Research and Development (HSRD), VA  
**Administering Agency:** VA Finger Lakes Health Care System  
**Award Amount:** \$1,054,696  
**Award Period:** 04/2022-03/2025

**Title:** Optimizing non-surgical treatment of lumbar spinal stenosis: a feasibility study  
**Role:** Co-Principle Investigator  
**Other Investigators:** Weiner, Debra – Co PI  
**Funding Agency:** National Center for Complementary and Integrative Health  
**Administering Agency:** University of Pittsburgh  
**Award Amount:** \$1,604,236.00  
**Award Period:** 10/2023 – 09/2026

OTHER FUNDING:

1. **Title:** Project 7: New York Chiropractic College (NYCC): Geriatric Education For Chiropractors (Finger Lakes Geriatric Education Center).  
**Role:** Project Principle Investigator  
**Other Investigators:** Karuza, J, Katz, P.  
**Funding Agency:** Health Resources and Services Administration (HRSA)

**Administering Agency:** University of Rochester, sub award to the NYCC

**Award Amount:** \$150,000.00

**Award Period:** July 1, 2005 to June 30, 2015

2. **Title:** Rochester Area Collaborative Center of Excellence in Pain Education (RACCoEPE).

**Role:** Co-Investigator (sub contract with the NYCC)

**Other Investigators:** Sahler, OJ, Burke, J, Ergil K, and Taromina K.

**Funding Agency:** National Institutes of Health

**Administering Agency:** University of Rochester, subcontract with the NYCC

**Award Amount:** \$441,850.00

**Award Period:** October 1, 2015 - September 30, 2016

3. **Title:** A Therapeutic Milieu for Agriculture Vocational Training and Mental Health

**Role:** Program Manager

**Other Investigators:** Lutz, D

**Funding Agency:** Office of Rural Health: Veteran Affairs

**Administering Agency:** VA Finger Lakes Health Care System (VAFLHCS)

**Award Amount:** \$844, 415

**Award Period:** September 19, 2018, September 30,2023