

Favorable financial study comparisons Chiropractic vs Medical care

1. Comparing the costs between provider types of episodes of back pain care. Rosner A. *Spine Journal*. 1995;20:2595–2598.
2. Cost per case comparison of back injury claims of chiropractic versus medical management of conditions with identical diagnostic codes. *J Occup Med*. Jarvis KB, Phillips RB, Morris EK. 1991;33:847–852.
3. Enhanced chiropractic coverage under OHIP as a means of reducing health care costs, attaining better health outcomes and achieving equitable access to health services. Manga P. *Report to the Ontario Ministry of Health*. 1998;.
4. The outcomes and costs of care for acute low back pain among patients seen by primary care practitioners, chiropractors, and orthopedic surgeons. Carey TS, Garrett J, Jackman A, MacLaughlin C, Fryer J, Smucker DR, et al. *N Engl J Med*. 1995;333:913–917.
5. Cost Minimization Analysis of Low Back Pain Claims Data for Chiropractic Vs Medicine in a Managed Care Organization Brian Grieves, J. Michael Menke, Kevin J. Pursel *Journal of Manipulative and Physiological Therapeutics* November 2009 (Vol. 32, Issue 9, Pages 734-739)
6. The Selection Effects of the Inclusion of a Chiropractic Benefit on the Patient Population of a Managed Health Care Organization Craig F. Nelson, R. Douglas Metz, Thomas M. LaBrot, Kenneth R. Pelletier *Journal of Manipulative and Physiological Therapeutics* March 2005 (Vol. 28, Issue 3, Pages 164-169)
7. Chiropractic and medical costs of low back care. Stano M, Smith M. *Med Care*. 1996;34:191–204.
8. Mechanical low-back pain: a comparison of medical and chiropractic management within the Victorian WorkCare Scheme. Ebrall P. *Chiropr J Austr*. 1992;22:47–53.
9. The effectiveness and cost-effectiveness of chiropractic management of low-back pain. Papadopoulos C, Swan W. Richmond Hill: Kenilworth; 1993;
10. The outcomes and costs of care for acute low back pain among patients seen by primary care practitioners, chiropractors, and orthopedic surgeons. Carey TS, Garrett J, Jackman A, MacLaughlin C, Fryer J, Smucker DR, et al. *N Engl J Med*. 1995;333:913–917
11. The Manga Report; A Study to Examine the Effectiveness and Cost-Effectiveness of Chiropractic Management of Low-Back Pain Funded By The Ontario Ministry Of Health *written by:* Pran Manga, Ph.D. Douglas E. Angus, M.A. Costa Papadopoulos, MHA 4 William R. Swan, B.Comm. August 1993

12. Comparative Analysis of Individuals With and Without Chiropractic Coverage: Patient Characteristics, Utilization, and Costs Antonio P. Legorreta; R. Douglas Metz; Craig F. Nelson; Saurabh Ray; Helen Oster Chernicoff; Nicholas A. DiNubile
Arch Intern Med, Oct 2004; 164: 1985 - 1992.

13. The AMI Study 1999-2002, found decreases of: 43 percent in- hospital admissions per 1,000; 58.4 percent in hospital days per 1,000; 43.2 percent in outpatient surgeries and procedures per 1,000; and, 51.8 percent in pharmaceutical costs. It noted that: "The AMI experience seems to indicate that a non-pharmaceutical/nonsurgical orientation can reduce overall health care costs significantly and yet deliver high quality care."
2003-2005. The results of the original study were confirmed, with demonstrated decreases of 60.2 percent in in-hospital admissions, 59 percent in hospital days, 62 percent in outpatient surgeries and procedures, and 85 percent in pharmaceutical costs.

14. The Stano Study: Oakland University Economics Professor Dr. Miron Stano, Journal of Manipulative and Physiological Therapeutics June 1993 found that, when costs of advanced imaging and referrals to physical therapists and other providers were added, chiropractic care costs for chronic patients were 16 percent lower than medical care costs. If the study would have included hospitalization or surgical costs, two very expensive medical treatments for low-back pain, or over-the-counter medications, the savings from chiropractic would have been even greater. Additionally, chiropractic patients showed an advantage over medical patients in pain, disability, and satisfaction outcomes.

15. The Procedures Study: This study demonstrates that chiropractic care leads to lower costs by reducing the rates of surgery, advanced imaging, inpatient care, and plain-film radiographs in patients with low-back and neck pain. The study examined the claims data from a managed care health plan over a four-year period. The use rates of the high-cost procedures mentioned above were compared between employer groups with and without a chiropractic benefit. For patients with both low back and neck pain, the use rate of all four of these categories was lower in the group with chiropractic coverage. The study concludes: "Among employer groups with chiropractic coverage compared with those without such coverage, there is a significant reduction in the use of high-cost and invasive procedures for the treatment of back pain."

16. Spinal Manipulation Gives Value for Money: British Medical Research Council (MRC) Trial Finds Adding Spinal Manipulation and Exercise to GP Care Provides Relief (and Cost-effectiveness) for Back Pain British Medical Journal 2004 (Dec 11); 329 (7479)

17. Cost-Effectiveness of Chiropractic Care in a Managed Care Setting. American Journal of Managed Care Study *Carrie D. Mosley; Ilana G. Cohen, DC; Roy M. Arnold, MD, MHA*
Published Online: February 29, 1996

18. The Utah Study: compared the cost of chiropractic care to the cost of medical care for conditions with identical diagnostic codes and found that cost was almost 10 times higher for medical than for chiropractic claims. Also, the number of work days lost was nearly ten times higher for those who received medical care.

