

BIOGRAPHICAL SKETCH

NAME		POSITION TITLE	
Richard A. Deyo, M.D., M.P.H.		Professor of Medicine and of Health Services, University of Washington	
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(S)	FIELD OF STUDY
Grinnell College, Grinnell, Iowa	B.A.	1967-1971	Chemistry
Penn State University, College of Medicine	M.D.	1971-1975	Medicine
University of Texas Health Science Center	Residency	1975-1979	Internal Medicine
University of Washington	M.P.H.	1979-1981	Health Services

A. Positions and Honors

Professional Appointments:

1975-1976 Intern and Resident, Univ. of Texas Health Science Center, Dept. of Medicine, San Antonio, Texas
 1978-1979 Chief Resident & Assist. Inst., Dept. of Medicine, Univ. of Texas Health Science Center-San Antonio
 1979-1981 VA Fellow, Robert Wood Johnson Clinical Scholars Program, University of Washington
 1981-1982 Acting Instructor, Dept. of Medicine, Univ. of Washington and Seattle VA Medical Center
 1982-1986 Assistant Professor, Dept. of Medicine, University of Texas Health Science Center at San Antonio
 1986-1992 Associate Professor, Departments of Medicine and Health Services, University of Washington
 1992- Professor, Departments of Medicine and Health Services, University of Washington
 1986-1992 Director, NW Health Service Research and Development Field Program, Seattle VA Medical Center
 1992- Co-Director, Robert Wood Johnson Clinical Scholars Program, University of Washington
 1996- Co-Director, UW Center for Cost and Outcomes Research
 1996-2001 Section Head, University Section, Division of General Internal Medicine

Honors and Awards:

Phi Beta Kappa, Grinnell College, 1970
 Chemistry Alumni Award, Grinnell College, 1971
 President's Medalist, Grinnell College, 1971
 VA/Robert Wood Johnson Clinical Scholar, University of Washington, 1979-1981
 Co-recipient, Nellie Westerman Prize for Research in Medical Ethics, Am. Federation for Clin. Res., 1981
 Fellow, American College of Physicians, 1984
 American Society for Clinical Investigation, 1992
 Western Association of Physicians, 1994
 Fellow, Association for Health Services Research, 1996

B. Selected peer-reviewed publications (in chronological order) (out of 156 peer reviewed publications):

Deyo RA, Diehl AK, Rosenthal M: How many days of bedrest for acute low back pain? A randomized clinical trial. *New Engl J Med* 315:1064-1070, 1986.
 Patrick DL, Deyo RA: Generic and disease-specific measures in assessing health status and quality of life. *Med Care* 27:5217-5232, 1989.
 Deyo RA, Walsh NE, Martin DC, Schoenfeld LS, Ramamurthy S: A controlled trial of transcutaneous electrical nerve stimulation (TENS) and exercise for chronic low back pain. *N Engl J Med* 322:1627-1634, 1990.
 Deyo RA: Fads in the treatment of low back pain (editorial). *N Engl J Med* 325(14):1039-1040, 1991.
 Deyo RA, Diehr P, Patrick DL: Reproducibility and responsiveness of health status measures: Statistics and strategies for evaluation. *Controlled Clin Trials* 12:1425-1585, 1991.
 Deyo RA, Cherkin DC, Ciol MA: Adapting a clinical comorbidity index for use with ICD-9-CM administrative databases. *J Clin Epidemiol* 45:613-619, 1992.
 Deyo RA, Cherkin D, Loeser JD, Bigos SJ, Ciol M: Morbidity and mortality in association with operations on the lumbar spine: The influence of age, diagnosis, and procedure. *J Bone Joint Surg* 74-A(4):536-543, 1992.
 Deyo RA, Rainville J, Kent DL: What can the history and physical examination tell us about low back pain? *JAMA* 268:760-765, 1992.
 Turner JA, Ersek M, Herron L, Haselkorn JK, Kent DL, Ciol MA, Deyo RA: Patient outcomes after lumbar spinal fusion: A comprehensive literature synthesis. *JAMA* 268:907-911, 1992.

- Deyo RA, Ciol M, Cherkin D, Loeser JD, Bigos SJ: Outcomes of lumbar spine fusion: A cohort study of complications, reoperations, and resource use in the Medicare population. *Spine* 18:1463-1470, 1993.
- Bigos S, Bowyer O, Braen G, Brown K, Deyo R, et al: Acute low back problems in adults. Clinical Practice Guideline No. 14. AHCPR Publication No. 95-0642. Rockville, MD: Agency for Health Care Policy and Research, Public Health Service, U.S. Department of Health and Human Services, December, 1994.
- Turner JA, Deyo RA, Loeser JD, Von Korff M, Fordyce WE: The importance of placebo effects in pain treatment and research. *JAMA* 271:1609-1614, 1994.
- Patrick DL, Deyo RA, Atlas SJ, Singer DE, Chapin A, Keller RB: Assessing health-related quality of life in patients with sciatica. *Spine* 20:1899-1909, 1995.
- Ciol MA, Deyo RA, Howell E, Kreif S: An assessment of surgery for spinal stenosis: Time trends, geographic variations, complications, and reoperations. *Journal of the American Geriatrics Society* 44(3):285-290, 1996.
- Kitahata MM, Koepsell TD, Deyo RA, et al: Physicians' experience with the Acquired Immunodeficiency Syndrome as a factor in patients' survival. *New Engl. J. Med.* 334:701-706, 1996.
- Dionne CE, Koepsell TD, Von Korff M, Deyo RA, Barlow WE, Checkoway H. Predicting long-term functional limitations among back pain patients in primary care settings. *J of Clinical Epidemiology* 1997;50(1):31-43.
- Deyo RA, Psaty BM, Simon G, Wagner EH, Omenn GS. The Messenger Under Attack: Intimidation of Researchers by Special-Interest Groups. *New Engl J Med* 1997; 336:1176-1180.
- Chan L, Koepsell TD, Deyo RA. The effect of Medicare's payment system for rehabilitation hospitals on length of stay, charges, and total payments. *New Engl J Med* 1997;337:978-985.
- Deyo RA. Low Back Pain. *Scientific American* 1998; 279(2):48-53.
- Deyo RA, Battie M, Beurskens AJ, et.al. Outcome Measures for low back pain research. A proposal for standardized use. *Spine* 1998; 23:2003-13.
- Ramsey SD, Luce BR, Deyo RA, Franklin G. The limited state of technology assessment for medical devices: Facing the issues. *Am J Mgd Care* 1998; 4: SP188-SP199.
- Cherkin DC, Deyo RA, Battie M et al. A comparison of physical therapy, chiropractic manipulation, and provision of an educational booklet for treatment of patients with low back pain. *New Engl J Med* 1998; 339:1021-1029.
- Dionne C, Von Korff M, Koepsell TD, Deyo RA et al. A comparison of pain, functional limitations, and work status indices as outcome measures in back pain research. *Spine* 1999; 24: 2339-2345.
- Keller RB, Atlas SJ, Soule DN, Singer DE, Deyo RA. Relationship between rates and outcomes of operative treatment for lumbar disc herniation and spinal stenosis. *J Bone Joint Surg* 1999; 81-A: 752-762.
- Geyman JP, Deyo RA, Ramsey SD (Eds.). *Evidence-based clinical practice: Concepts and approaches*. Boston: Butterworth-Heinemann, 2000.
- Deyo RA. Pain and public policy (Editorial). *N Engl J Med* 2000; 342:121-123.
- Deyo RA, Cherkin DC, Weinstein JN, et.al. Involving patients in clinical decisions: impact of an interactive video program on use of back surgery. *Medical Care* 2000; 38:959-69.
- Deyo RA, Schall M, Berwick DM. Continuous quality improvement for patients with back pain. *J General Int Med* 2000; 15:647-655.
- Jarvik J, Robertson WD, Wessbecher F, Roger K, Soloman C, Whitten R, Lymley T, Deyo RA. Variation in the quality of lumbar spine MRI in Washington State. *Radiology* 2000; 215:483-90.
- Jarvik JG, Deyo RA. Cementing the evidence: time for a randomized trial of vertebroplasty. *Am J Neuroradiol* 2000; 21:1373-4.
- Deyo RA, Weinstein JN. Low back pain. *N Engl J Med* 2001; 344: 363-370.
- Fan VS, Au D, Heagerty P, Deyo RA, McDonnell MB, Fihn SD. Validation of Case-mix measures derived from self-reports of diagnoses and health. *J. Clin Epi.* 2002; 55: 371-380
- Deyo RA. Heroes and Martyrs: Bruce Psaty and the complications of calcium channel blockers. *Quality and Safety in Health Care* 2002; 11: 294-296.
- Jarvik JG, Hollingworth W, Martin B, Emerson SS, Gray DT, Overman S, Robinson D, Staiger T, Wessbecher F, Sullivan SD, Kreuter W, Deyo RA. Rapid magnetic resonance imaging vs radiographs for patients with low back pain: a randomized controlled trial. *JAMA* 2003; 289: 2810-8.

C. Research Support.

Ongoing Research Support

Deyo, Principal Investigator and Director, 1/1/02-12/31/06
NIAMS Multidisciplinary Clinical Research Center in Back and Upper Extremity Disorders, NIAMS, P60 AR48093.

This is a Center grant supporting 4 projects on back pain, neck pain, or carpal tunnel syndrome, with an administrative core and a methodology core.

Total Direct Cost \$3.98 million; 40% effort.

Deyo, PI 7/1/01-6/30/05

Robert Wood Johnson Foundation, #'s 40030, 41933, 38901

University of Washington Clinical Scholars Program

This is a training grant in health care research and policy for physicians.

Total direct cost: approximately \$1.5 million per year, 33% effort

Deyo, PI 9/1/01-8/31/04

Robert Wood Johnson Foundation, #042251

Crossing the Threshold: How Experimental Medical Technology

Becomes Standard Care

This project will describe the transition of new technology from experimental to standard of care; the interactions of stakeholders who influence this process; the unintended consequences of disseminating unproven or marginal technology; and options for making this transition more consistent and effective.

Total direct cost: \$250,000, 20% effort

Deyo: subcontract from Cherkin D, PI 5/15/03-5/14/08

Stimulation of Points to Investigate Needling Efficacy Trial

National Center for Complementary and Alternative Medicine, RO1 AT 001110

This is a multicenter randomized trial to evaluate the efficacy of different approaches to acupuncture for treating low back pain.

Total direct cost of subcontract: \$45,005, 5% effort

Completed Research Support

Subcontract from Group Health of Puget Sound, Cherkin, PI 11/01/98- 10/31/01

National Institutes of Health, NCCAM

Evaluating the Efficacy of Acupuncture for Low Back Pain

The study had two major goals: to develop and evaluate methods for improving the scientific quality of randomized trials evaluating the efficacy of acupuncture (including appropriate treatment and controls groups); and to use this information to design and pilot test a rigorous randomized clinical trial of the efficacy of acupuncture for persistent low back pain.

Role: Co-investigator

Jarvik, PI 10/98- 10/01

VA Merit Review, Epidemiologic Research and Information Center

Longitudinal Assessment, Imaging, and Disability of the Back

This study identifies MR abnormalities of the lumbar spine in asymptomatic persons, and will follow the subjects with repeat clinical history and imaging for a one year period.

Role: co-investigator

Jarvik, PI

7/01/98-12/31/01

National Institutes of Health (NIH) and AHRQ, RO1 HS/AR 09499

Research on Low Back Pain and Common Spinal Disorders: Outcomes for Rapid MRI Vs XRAY:
Randomized Trial for Back Pain

The project goal is to examine the consequences of substituting the rapid magnetic resonance (MR) scan for plain film x-rays as the initial imaging examination in patients with low back pain.

Role: Co-investigator

Deyo- Subcontract from Keller, PI

Agency for Healthcare Research and Quality (AHRQ), RO1 HS09804 10/1/01-3/29/03

University of Washington subcontract from Maine Medical Assessment Foundation (MMAF)

This project continues the Maine Lumbar Spine Study (MLSS) by providing long term follow up of patient cohorts having surgical or nonsurgical care for herniated discs or spinal stenosis.

Role: co-investigator

Deyo - Subcontract From Weinstein, PI

7/01/98-6/30/03

University of Washington subcontract from Dartmouth Medical School

National Institutes of Health (NIH), NIAMS, 5 UO1 AR45444

Low Back Pain: A Multicenter, Randomized Trial

The primary objective is to assess the effectiveness of lumbar surgery versus non-operative treatment for lumbar intervertebral disc herniation, spinal stenosis, and degenerative spondylolisthesis. This is a randomized trial.

Role: co-investigator