

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
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NAME Atlas, Steven J.		POSITION TITLE Assistant Professor of Medicine	
eRA COMMONS USER NAME SATLAS			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Tufts University, Medford, MA	B.S.	1982	Biology
Columbia University, New York City	M.D.	1987	Medicine
Harvard University, Cambridge, MA	M.P.H.	1992	Public Health

A. Positions and Honors.**Positions:**

1990 - 1997 Member, Institutional Review Board, Massachusetts General Hospital
 1993 - 2002 Instructor in Medicine, Harvard Medical School
 2000 - 2004 Assistant Director, Primary Care Operations Improvement, Massachusetts General Hospital
 2000 - Associate Editorial Board, Spine Journal
 2000 - Medical Editor, Foundation for Informed Medical Decision Making, Boston, MA
 2002 - Assistant Professor, Harvard Medical School
 2002 - Editorial Consultant for Low Back Pain, PIER Program, American College of Physicians
 2003 - Advisory Board, Cochrane Back Review Group
 2004 - Associate Director, Primary Care Operations Improvement, Massachusetts General Hospital
 2005 - Member, National Back Pain Guideline Project, American Pain Society & College of Physicians
 2005 - Co-Director, Massachusetts General Primary Care Practice Based Research Network
 2006 - Section Editor for Back and Neck Pain, UpToDate, Waltham, MA

Internship, Residencies, and Fellowship:

1987 - 1990 Intern and Resident, Internal Medicine, Massachusetts General Hospital
 1990 - 1992 General Internal Medicine Fellowship, Harvard Medical School
 1992 - 1993 Clinical and Research Fellow, General Internal Medicine, Massachusetts General Hospital

Awards, Honors, and Leadership Positions:

1981 Phi Beta Kappa
 1982 Summa Cum Laude (Biology)
 1987 Alpha Omega Alpha
 1987 Public Health Ambulatory Care Award, Columbia University
 1997 Young Investigator Award, International Meeting of the American College of Chest Physicians
 1998 Partners Award, Primary Care Operations Improvement Team, Partners HealthCare System
 2000 John Jones Scholar in Compensation Research, Workers Compensation Research Institute
 2001 Quality Care Research Fund Award, Academic Medicine and Managed Care Forum

B. Selected peer-reviewed publications (in chronological order).

1. Nelson T, Lucignani G, Atlas S, Crane AM, Dienel GA, Sokoloff L. Reexamination of glucose-6-phosphatase activity in the brain in vivo: No evidence for a futile cycle. *Science* 1985;229:60-2.
2. Atlas SJ, Singer DE, Skates SJ. Changing blood use in the AIDS era: The case of elective hip surgery. *Transfusion* 1994;34:386-91.

3. Patrick DL, Deyo RA, Atlas SJ, Singer DE, Chapin A, Keller RB. Assessing health-related quality of life in patients with sciatica. *Spine* 1995;20:1899-1909.
4. Atlas SJ, Singer DE, Keller RB, Patrick DL, Deyo RA. Application of outcomes research in occupational low back pain: The Maine Lumbar Spine Study. *Am J Ind Med* 1996;29:584-9.
5. Atlas SJ, Deyo RA, Keller RB, et al. The Maine Lumbar Spine Study, Part III. 1-year outcomes of surgical and non-surgical management of lumbar spinal stenosis. *Spine* 1996;21:1787-95.
6. Atlas SJ, Deyo RA, Keller RB, et al. The Maine Lumbar Spine Study, Part II. 1-year outcomes of surgical and non-surgical management of sciatica. *Spine* 1996;21:1777-86.
7. Keller RB, Atlas SJ, Singer DE, Chapin AM, Mooney NA, Patrick DL, Deyo RA. The Maine Lumbar Spine Study, Part I. Background and Concepts. *Spine* 1996;21:1769-76.
8. Atlas SJ, Deyo RA, Patrick DL, et al. The Quebec Task Force Classification for spinal disorders and the severity, treatment, and outcomes of sciatica and lumbar spinal stenosis. *Spine* 1996;21:2885-92.
9. Keller R, Atlas S. Outcomes research. In: Frymoyer JW, editor. 2nd Edition. *The Adult Spine: Principles and Practices*. Philadelphia: Lippincott-Raven Publishers; 1997; p. 81-91.
10. Atlas SJ, Volinn E. Classics from the Spine Literature Revisited. A Randomized Trial of Two Versus Seven Days of Recommended Bed Rest for Acute Low Back Pain. *Spine* 1997; 22:2331-7.
11. Atlas SJ. Predictors of outcome in patients with chronic back pain and low-grade spondylolisthesis. [Editorial] *Spine* 1997; 22:2035.
12. Atlas SJ, Benzer TI, Borowsky LH, et al. Safely increasing the proportion of patients with community-acquired pneumonia treated as outpatients: An interventional trial. *Arch Intern Med* 1998;158:1350-6.
13. Metlay JP, Atlas SJ, Borowsky LH, Singer DE. Time course of symptom resolution in patients with community-acquired pneumonia. *Respir Med* 1998;158:1350-6.
14. Keller RB, Atlas SJ, Soule DN, Singer DE, Deyo RA. Relationship between rates and outcomes of operative treatment of lumbar disc herniation and spinal stenosis. *J Bone Joint Surg* 1999;81-A:752-62.
15. Halm, EA, Atlas SJ, Borowsky LH, Benzer TI, Singer DE. Change in physician knowledge and attitudes after implementation of a pneumonia practice guideline. *J Gen Intern Med* 1999;14:688-94.
16. Lutz GK, Butzlaff ME, Atlas SJ, Keller RB, Singer DE, Deyo RA. The relation between expectations and outcomes in surgery for sciatica. *J Gen Intern Med* 1999;14:740-4.
17. Atlas SJ. Effectiveness of the Waddell's nonorganic signs in predicting a delayed return to regular work in patients experiencing acute occupational low back pain. [Editorial] *Spine* 1999; 24:401.
18. Halm EA, Atlas SJ, Borowsky LH, et al. Understanding physician adherence with a pneumonia practice guideline: effects of patient, system, and physician factors. *Arch Intern Med* 2000;160:98-104.
19. Atlas SJ, Chang Y, Kammann E, et al. Long-term disability and return to work among patients who have a herniated lumbar disc: The effect of disability compensation. *J Bone Joint Surg* 2000;82-A:4-15.
20. Atlas SJ, Keller RB, Robson D, Deyo RA, Singer DE. Surgical and nonsurgical management of lumbar spinal stenosis: Four-year outcomes from the Maine Lumbar Spine Study. *Spine* 2000;25:556-62.
21. Atlas SJ, Keller RB, Chang Y, et al. Surgical and nonsurgical management of sciatica secondary to a lumbar disc herniation: Five-year outcomes from the Maine Lumbar Spine Study. *Spine* 2001;26:1179-87.
22. Dedier J, Singer DE, Chang Y, Moore M, Atlas SJ. Processes of care, illness severity and outcomes in the management of community-acquired pneumonia at academic hospitals. *Arch Intern Med* 2001;161:2099-2104.
23. Atlas SJ, Deyo RA. Evaluating and managing acute low back pain in the primary care setting. *J Gen Intern Med* 2001; 16:120-31.
24. Atlas SJ. Expectations for satisfaction as an outcome measure. [Editorial] *Spine* 2002;27:1476-7.
25. Garza C, Messersmith WA, Atlas SJ. Acute Low Back Pain. In: Basch EM, Messersmith WA, Birnbaum SL, Garza C. *MGH Primer of Outpatient Medicine*. Philadelphia: Lippincott Williams & Wilkins. 2002.
26. Linder JA, Singer DE, van den Ancker M, Atlas SJ. Measures of Health-Related Quality of Life for Adults with Sinusitis: A systematic review. *J Gen Intern Med* 2003;18:390-401.
27. Atlas SJ, Deyo RA, van den Ancker M, et al. The Maine-Seattle Back Questionnaire: A 12-Item Disability Questionnaire for Evaluating Patients with Lumbar Sciatica or Stenosis. *Spine* 2003;28:1869-76.
28. Atlas SJ, Nardin RA. Evaluation and Treatment of Low Back Pain: An Evidence-Based Approach to Clinical Care. *Muscle Nerve* 2003;27:265-84.
29. Atlas SJ. Predictors of return to work among patients with disabling back pain. [Editorial] *Spine* 2003;28:1473-4.

30. Atlas SJ, Wasiak R, van den Ancker M, Webster B, Pransky G. Primary Care Involvement and Outcomes of Care in Patients with a Workers' Compensation Claim for Back Pain. *Spine* 2004;29:1041-8.
31. Atlas SJ. Nonpharmacologic treatment for low back pain. *J Musculoskel Med* 2004;21:572-80.
32. Atlas SJ, Singer DE, Wu YA, Deyo RA, Keller RB. Long-term Outcomes of Surgical and Nonsurgical Management of Sciatica Secondary to a Lumbar Disc Herniation: 10 Year Results from the Maine Lumbar Spine Study. *Spine* 2005;30:927-35.
33. Atlas SJ, Singer DE, Wu YA, et al. Long-term Outcomes of Surgical and Nonsurgical Management of Lumbar Spinal Stenosis: 8 to 10 Year Results from the Maine Lumbar Spine Study. *Spine* 2005;30:936-43.
34. Chang Y, Singer DE, Wu YA, Keller RB, Atlas SJ. The Effect of Surgical and Nonsurgical Treatment on Longitudinal Outcomes of Lumbar Spinal Stenosis Over 10 Years. *J Am Geriatr Soc* 2005;53:785-92.
35. Atlas SJ, Metson RB, Wu YA, Singer DE, Gliklich RE. Validity of a New Health-Related Quality of Life Instrument for Patients with Chronic Sinusitis. *Laryngoscope* 2005;15:846-54.
36. Atlas SJ, Gallagher PM, Wu YA, et al. Development and Validation of a New Health-Related Quality of Life Instrument for Patients with Sinusitis. *Qual Life Res* 2005;14:1375-86.
37. Atlas SJ, McDermott SM, Mannone C, Barry MJ. The Role for Point of Care Testing for Patients with Acute Pharyngitis. *J Gen Intern Med* 2005;20:759-61.
38. Keller RB, Atlas SJ. Is There a Continuing Role for Prospective Observational Studies in Spine Research? [Editorial] *Spine* 2005;30: 847-9.
39. Lasko TA, Atlas SJ, Barry MJ, Chueh HC. Automated Identification of a Physician's Primary Patients. *J Am Med Inform Assoc* 2006;13:74-9.
40. Max MB, Wu T, Atlas SJ, et al. A clinical genetic method to identify mechanisms by which pain causes depression and anxiety. *Mol Pain* 2006;2:14.
41. Atlas SJ, Chang Y, Lasko TA, et al. Is This "My" Patient? Development and Validation of a Predictive Model to Link Patients to Primary Care Providers. *J Gen Intern Med* 2006;21:973-8.
42. Tegeder I, Costigan M, Griffin RS, Abele A, Belfer I, Schmidt H, Ehnert C, Nejm J, Marian C, Scholz J, Wu T, Allchorne A, Diatchenko L, Binshtok AM, Goldman D, Adolph J, Sama S, Atlas SJ, Carlezon WA, Parsegian A, Lotsch J, Fillingim RB, Maixner W, Geisslinger G, Max MB, Woolf CJ. GTP cyclohydrolase and tetrahydrobiopterin regulate pain sensitivity and persistence. *Nat Med* 2006;12:1269-77.
43. Atlas SJ, Chang Y, Keller RB, et al. The Impact of Disability Compensation on Long-term Treatment Outcomes of Patients with Sciatica due to a Lumbar Disc Herniation. *Spine* 2006;31:3061-9.
44. Atlas SJ, Delitto A. Spinal Stenosis: Surgical versus Nonsurgical Treatment. *Clin Orthop Relat Res* 2006;443:198-207.
45. Atlas SJ. Point of View: Minimum 25-year outcome and functional assessment of lumbar discectomy. [Editorial] *Spine* 2006; 31:2600-1
46. Edwards RR, Klick B, Buenaver L, Max MB, Haythornthwaite JA, Keller RB, Atlas SJ. Symptoms of depression and anxiety as prospective predictors of sciatica treatment outcomes. *Pain* 2007;130:47-55.
47. Atlas SJ, Tosteson TD, Hanscom B, et al. What is different about workers' compensation patients? Socioeconomic predictors of disability status among patients with lumbar radiculopathy. *Spine* 2007;32:2019-26.
48. Deshpande A, Furlan A, Mailis A, Peloso P, Atlas S, Turk D. Opioids in Chronic Low Back Pain. *Cochrane Database Syst Rev* 2007;3:CD004959.
49. Wasiak R, Pransky GS, Atlas SJ. Who's in charge? Challenges in evaluating quality of primary care treatment for low back pain. *Journal of Evaluation in Clinical Practice*; in press.

C. Research Support

ONGOING

1 R21 CA121908-01 Barry (PI)

3/1/06-2/28/08

NCI

Breast Cancer Screening and Follow-up in a PBRN: The Mammography FastTrack Trial

This study will implement an informatics-based population management tool for use by primary care providers or practice managers in a controlled trial within a Practice-Based Research Network.

Role: Co-Principal Investigator

1 P60 AR048094-01A1 Weinstein (PI) 4/1/03-3/31/08
NIAMS (MCRC in Musculoskeletal Diseases)
Disability Outcomes in Intervertebral Disc Herniation
The goal is to study disability and health-related quality of life outcomes among patients with an intervertebral disc herniation.
Role: Investigator

1 R18 HS017190-01 Chueh (PI) 9/4/07-8/31/10
AHRQ
Ambulatory Care Compact to Organize Risk and Decision-making (ACCORD) This study will design, develop, implement, and evaluate an innovative model of care delivery that enables patients and primary care providers to agree upon shared care plans that incorporate patient and provider preferences.
Role: Co-Principal Investigator

COMPLETED

Atlas (PI) 1/1/03-1/31/05
Harvard Medical School Osher Institute
Cost-effectiveness analyses in complementary and alternative medicine treatment for low back pain
This study's objective was to develop and validate a patient-reported questionnaire to assess health preference states and direct health care costs and indirect costs associated with work loss for low back pain.
Role: Principal Investigator

5 P60 AG08812-13 Atlas (PI) 7/1/03-6/30/04
NIA Older Americans Independence Center at Harvard Medical School Pilot Project
The goal of this study was to examine long-term outcomes of surgical and nonsurgical treatment of spinal stenosis and identify independent predictors of outcome.
Role: Principal Investigator