
BIOGRAPHICAL SKETCH

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NAME Katz, Jeffrey N.	POSITION TITLE Physician, Brigham and Women's Hospital Associate Professor of Medicine and Orthopaedic Surgery, Harvard Medical School		
eRA COMMONS USER NAME JKATZ1			
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
Princeton University	A.B.	1980	Biochemistry
Yale Medical School	M.D.	1984	Medicine
Harvard School of Public Health	M.S.	1990	Health Policy & Management

A. Positions and Honors

1984-1987 Resident in Internal Medicine, Yale-New Haven Hospital
1987-1990 Fellow in Rheumatology, Brigham and Women's Hospital
1988-1990 Kellogg Fellow, Clinical Effectiveness, Harvard School Public Health
1990 American College of Rheumatology Senior Rheumatology Fellow Award
1990-1991 Instructor in Medicine, Harvard Medical School
1990-Present Staff Rheumatologist, Brigham and Women's Hospital
1992-Present Co-Director, Brigham and Women's Hospital Spine Center
1991-1997 Assistant Professor of Medicine, Harvard Medical School
1998-Present Associate Professor of Medicine, Harvard Medical School
2002-Present Director, Robert Brigham Arthritis and Musculoskeletal Clinical Research Center
2002-2007 Chief, Section of Clinical Sciences, Division of Rheum, Immun & Allergy, BWHospital
2006-Present Director, Orthopaedic and Arthritis Center for Outcomes Research, BWH
2007- Co-Director, Epi 208 (Clinical Epidemiology), Harvard School of Public Health

Honors

1991-1993 Post-Doctoral Fellowship, Arthritis Foundation
1993-1995 Arthritis Investigator Award, Arthritis Foundation
1994-1997 Editorial Board, Arthritis and Rheumatism
1995-1999 Associate Editor, Arthritis Health Care and Research
1996-Present Deputy Editor, Spine
1999-2001 National Academy of Sciences Panel on Musculoskeletal Disorders and the Workplace
2000 Henry Kunkel Young Investigator Award, American College of Rheumatology
2001 Arthritis Hero Award, National Arthritis Foundation
2007- Deputy Editor for Methodology, Journal of Bone and Joint Surgery
2007 Clifford Barger Award for Excellence in Mentoring, Harvard Medical School

B. Selected peer-reviewed publications (selected from 226 publications)

1. Katz JN, Chang LC, Sangha OS, Fossel AH, Bates DW. Can comorbidity be measured by questionnaire rather than medical record review? *Medical Care* 1996; 34: 73-84.
2. Katz JN, Lipson SJ, Chang LC, Levine SA, Fossel AH, Liang MH. Seven to ten year outcome of decompressive surgery for degenerative lumbar spinal stenosis. *Spine* 1996;21:92-8.
3. Katz JN, Keller RB, Fossel AH, Punnett L, Bessette L, Simmons BP, Mooney N. Predictors of return to work following carpal tunnel release. *Am J Industrial Med* 1997; 31: 85-91.
4. Katz JN, Lipson SJ, Lew RA, Grobler LJ, Weinstein JN, Brick GW, Fossel AH, Liang MH. Lumbar laminectomy alone or with instrumented or noninstrumented arthrodesis in degenerative lumbar spinal stenosis: Patient selection, costs and surgical outcomes. *Spine* 1997;22:1123-1131.
5. Solomon DH, Bates DW, Panush R, Katz JN. Comparing costs and outcomes of generalist and specialist care for musculoskeletal disease. *Annals Internal Med* 1997;127:52-60.
6. Katz JN, Lew RA, Bessette L, Punnett L, Fossel AH, Mooney N, Keller RB. Prevalence and predictors of long term work disability due to carpal tunnel syndrome. *Am J Industrial Med* 1998;33:543-550.

7. Katz JN, Keller RB, Simmons BP, Rogers WD, Bessette L, Fossel AH, Mooney NA. Maine Carpal Tunnel Study: Outcomes of operative and nonoperative therapy for carpal tunnel syndrome in a community based cohort. *J Hand Surg* 1998;23A:697-710.
8. Katz JN, Stucki G, Lipson SJ, Fossel AH, Grobler LJ, Weinstein JN. Predictors of the outcome of surgery for degenerative lumbar spinal stenosis. *Spine* 1999; 24: 2229-33.
9. Fortin PR, Clarke AE, Joseph L, Liang MH, Tanzer M, Ferland D, Phillips C, Partridge AJ, Belisle P, Fossel AH, Mahomed N, Sledge CB, Katz JN. Outcomes of total hip and knee replacement: preoperative functional status predicts outcomes at six months after surgery. *Arthritis Rheum* 1999; 42: 1722-28
10. Vasen AP, Kuntz KM, Simmons BP, Katz JN. Open versus endoscopic carpal tunnel release: a decision analysis. *J Hand Surgery* 1999; 24A: 1109-17
11. Kuntz KM, Snider RK, Weinstein JN, Pope MH, Katz JN. Cost effectiveness of fusion with and without instrumentation for patients with degenerative spondylolisthesis and spinal stenosis. *Spine* 2000; 25: 1132-39.
12. Katz JN, Solomon DH, Schaffer JL, Horsky J, Burdick E, Bates DW. Differences in outcomes of care and resource utilization for knee and shoulder disorders between general internists, rheumatologists and orthopedic surgeons. *Amer J Medicine* 2000; 108:28-35
13. Katz JN, Amick BA, Carroll BB, Hollis C, Fossel AH, Coley CM. Prevalence of upper extremity musculoskeletal disorders in college students. *Am J Medicine* 2000;109:586-88.
14. Amick III, BC, Lerner D, Rogers WH, Rooney T, Katz JN. Measuring health-related work outcomes in populations with musculoskeletal injuries, *Spine* 2000: 25: 3152-3160
15. Katz, JN, Losina E, Barrett J, Phillips CB, Mahomed NN, Lew RA, Guadagnoli E, Harris WH, Poss R, Baron JA. Association between Hospital and Surgeon Procedure Volume and Outcomes of Total Hip Replacement in the US Medicare Population *J Bone Joint Surg* 2001; 83A: 1622-29.
16. Katz JN. Patient preferences and health disparities. *JAMA* 2001: 286: 15-6-09.
17. Solomon DH, Bates DW, Schaffer JL, Horsky J, Burdick E, Katz JN. Referrals for musculoskeletal disorders: Patterns, predictors and outcomes. *J Rheumatology* 2001: 28: 2090-2095.
18. Katz JN, Losina E, Amick B, Fossel AH, Bessette L, Keller RB. Predictors of the outcomes of carpal tunnel release. *Arthritis Rheum* 2001;44:1184-1193.
19. Katz JN, Simmons BP. Clinical practice. Carpal Tunnel Syndrome. *NEJM* 2002;346: 1807-1812.
20. Sangha O, Stucki G, Liang MH, Fossel AH, Katz JN. The Self Administered Comorbidity Questionnaire (SCQ): A new method to assess comorbidity for clinical and health services research. *Arthritis Rheum. (Arth Care Res)* 2003; 15:156-63.
21. Mahomed NN, Barrett J, Katz JN, Phillips CB, Losina E, Lew RA, Guadagnoli E, Harris WH, Poss R, Baron JA: Rates and outcomes of primary and revision total hip replacement in the US Medicare population. *J Bone Joint Surgery (American)* 2003;85:27-32.
22. Katz JN Phillips CB, Baron JA, et al. Association of hospital and surgeon volume of total hip replacement with functional status and satisfaction three years following surgery. *Arthritis and Rheumatism* 2003;48:560-8;
23. Losina E, Barrett J, Baron JA, Katz JN. Accuracy of Medicare claims data for rheumatologic diagnoses in total hip replacement recipients. *J Clin Epidemiology* 2003;56:515-9.
24. Katz JN, Barrett J, Mahomed NN, Baron JA, Wright J, Losina E. Association between hospital and surgeon procedure volume and the outcomes of total knee replacement. *JBJS* 2004;86A:1909-16.
25. Losina E, Barrett J, Baron JA, Mahomed NN, Katz, JN. Early failures of total hip replacement: effect of surgeon volume. *Arthritis Rheum* 2004;50:1338-43.
26. Losina E, Barrett J, Baron JA, Levy M, Philipps CB, Katz JN. Utilization of low volume hospitals for total hip replacement. *Arthritis Care and Research* 2004;51:836-42.
27. Katz JN, Amick BC, 3rd, Keller R, Fossel AH, Ossman J, Soucie V, Losina E. Determinants of work absence following surgery for carpal tunnel syndrome. *Am J Ind Med.* Feb 2005;47(2):120-130.
28. Meredith D, Losina E, Mahomed NN, Wright J, Katz JN. Factors predicting functional and radiographic outcomes after arthroscopic partial meniscectomy. *Arthroscopy* 2005;21:211-23.
29. Miner AL, Losina E, Katz JN, Fossel AH, Platt R. Infection control practices to reduce airborne bacteria during total knee replacement: a hospital survey in four states. *Infect Control Hosp Epidemiol.* Dec 2005;26(12):910-915.
30. Katz JN, Meredith DS, Lang P. Associations among preoperative MRI features and functional status following arthroscopic partial meniscectomy. *Osteoarthritis Cartilage.* May 2006;14(5):418-422.

31. Solomon DH, Chibnik LB, Losina E, Huang J, Fossel AH, Husni E, Katz JN. Development of a preliminary index that predicts adverse events after total knee replacement. *Arthritis Rheum*. May 2006;54(5):1536-1542.
32. de Pablo P, Losina E, Mahomed N. Extent of followup care after elective total hip replacement. *J Rheumatol*. Jun 2006;33(6):1159-1166.
33. Losina E, Kessler CL, Wright EA, Creel AH, Barrett JA, Fossel AH, Katz JN. Geographic diversity of low-volume hospitals in total knee replacement: implications for regionalization policies. *Med Care*. Jul 2006;44(7):637-645.
34. Katz JN, Mahomed NN, Baron JA, Barrett JH, Fossel AH, Creel AH, Wright JH, Wright EA. Association of hospital and surgeon procedure volume with patient-centered outcomes of total knee replacement in a population-based cohort of patients age 65 years and older. *Arthritis Rheum*. 2007 Feb;56(2):568-74.
35. Rooks DS, Rooks DS, Gautam S, Romeling M, Cross ML, Stratigakis D, Evans B, Goldenberg DL, Iversen MD, Katz JN. Group exercise, education, and combination self-management in women with fibromyalgia: a randomized trial. *Arch Intern Med* 2007; 167:2192-200.
36. Schmajuk G, Schneeweiss S, Katz JN, Weinblatt ME, Setoguchi S, Avorn J, Levin R, Solomon DH. Treatment of older adult patients diagnosed with rheumatoid arthritis: improved but not optimal. *Arthritis Rheum* 2007; 57:928-34.
37. Schneeweiss S, Setoguchi S, Weinblatt ME, Katz JN, Avorn J, Sax PE, Levin R, Solomon DH. Anti-tumor necrosis factor alpha therapy and the risk of serious bacterial infections in elderly patients with rheumatoid arthritis. *Arthritis Rheum* 2007; 56:1754-64.

C. Research Support (in last 3 years)

ONGOING

NIH/NIAMS P60 AR47782-05 (Katz JN)

4/1/01-3/31/12

NIAMS Multidisciplinary Clinical Research Center

This project is a Center Grant focused on musculoskeletal and rheumatic diseases. Dr. Katz is PI. The Center has an Administrative Core, a Methodology Core and three projects. Dr. Katz leads a project on the failure of Total Hip Replacement. The other two projects concern the epidemiology of rheumatoid arthritis and compliance with medications for osteoporosis.

NIH/NIAMS 1R01AR055557-01 (Katz JN)

10/01/07 – 9/30/12

Partial meniscectomy vs. nonoperative mgmt. in meniscal tear with OA: an RCT

This is a five center randomized controlled trial of arthroscopic partial meniscectomy versus nonoperative therapy in patients with meniscal tear in the setting of concomitant osteoarthritis.

NIH - K24 AR02123-06 (Katz JN)

9/22/00-5/31/10

Musculoskeletal Research and Mentoring Program

This project provides funding to develop a mentoring program in musculoskeletal disorders and to launch a research program on computer related upper extremity disorders in students.

NIAMS R01 AR053112-01A1 (Losina E)

9/1/2006-8/30/2011

Knee OA: Setting Priorities for Care, Policy, Research

This study will provide guidance to clinicians and policy makers for developing policy to optimize care and to improve quality of life for people with knee osteoarthritis.

University of Massachusetts, Lowell / NIH (Buchholz B)

9/1/06-8/31/09

Knee Disorders and Occupational Biomechanical Risks

The specific objectives are to develop and evaluate methods to identify and characterize incident cases of knee disorders in the Carpenters Combined Benefits Fund of Massachusetts and Carpenters' Health and Welfare Trust Fund of St. Louis medical insurance records, and to assess a diverse range of exposures occurring in carpenters' jobs through observational analyses in the field.

Foundation for Informed Medical Decision Making (Katz JN) 10/1/06-6/30/08

Shared Decision Making in Hispanics with Musculoskeletal Disorders: A Qualitative Study

We will perform focus group research on Hispanic patients with low back pain and knee disorders in order to understand barriers to shared decision making for patients with these problems in urban medical settings.

COMPLETED

Arthritis Foundation (Engalitcheff Initiative) (Solomon D) 10/1/03-9/30/07

Arthritis Foundation

Improving Access To and Quality of Prescribing for Rheumatoid Arthritis

This grant assesses adverse event rates associated with RA treatments, including DMARDs and biologics. As well, the access to these treatments will be examined.

NIH R01 AR051873 (Lang P) 9/30/04-5/31/07

Novel High Resolution MRI Surrogates for Arthritis Trials

The overall goal of this study is to address a major problem in the development of a pharmacologic treatment for OA. The problem of a lack of a validated non-invasive method that is both accurate and reproducible at measuring articular cartilage repeatedly over time to determine disease progression exists. Our proposal will address these concerns by optimizing and validating novel 3D MRI pulse sequences with high contrast and spatial resolution.

Novartis Pharmaceuticals Corporation (Katz JN; Lang, P) 7/1/04-12/31/06

The Natural History of OA Among Patients Who Have Undergone Arthroscopic Meniscal Surgery

This is an investigator-initiated trial to evaluate the sensitivity to change in joint status of knee MRI at 24, 30 and 36 months post arthroscopic meniscal surgery; to examine baseline characteristics of the knee (documented with MRI or with biochemical markers) that predict subsequent changes on MRI at follow-up intervals; and to examine the relationship of MRI characteristics to self-reported patient status.

NEBH Excellence in Care Grant (Bierbaum B) 2/1/05-1/31/07

Specialty Orthopaedic Hospitals: Quality and Outcomes

We will develop an alternative 'quality score' for hospitals performing TJR and perform a computer stimulation model that examines the impact on quality adjusted life expectancy of performing TKR in one of three settings.

NIH/ NIAMS R21 AR051188 (Katz JN) 9/20/04-9/19/05

RCT of Arthroscopic Partial Meniscectomy in OA

The major goal is to plan a randomized controlled trial of arthroscopic partial meniscectomy in patients with symptomatic meniscal tears in the setting of knee OA

Arthritis Foundation Clinical Science Grant 7/1/00-6/30/05

Determinants of the Outcome of Primary and Revision Total Replacement in a Population-Based Cohort

We propose to conduct five and eight year follow-up evaluations of pain, function, prosthesis failure and complications in our population-based cohorts, and to identify predictors of these outcomes.

Boston University / ACR Research & Education Fndtn (Losina E) 7/1/03 – 6/30/05

Shifting TKA to High Volume Centers: Impact on Disparities in Utilization and Long Term Outcomes

The aims are to (1) determine which patients are more likely to undergo TKA in low volume centers and therefore will be more likely to be affected by shifting TKA to high volume centers; (2) examine the distribution of low- and high volume hospitals across the US; and (3) examine the impact of restricting TKA to high volume centers on long-term quality adjusted life expectancy in patients with advanced arthritis of the knee.

New England Baptist Hospital (Katz JN) 1/1/04-3/31/07

Clinical Sciences Collaboration

We will provide collaborative support for conceptualization and design of studies, data management and analysis, interpretation and reporting of finding to enhance the quality of clinical research and the research productivity at New England Baptist Hospital