

CURRICULUM VITAE

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Place of Birth: Towson, Maryland; U.S. Citizen

Education:

1989	B.S.	Virginia Tech, Biochemistry, in Honors
1993	M.D.	University of Chicago Pritzker School of Medicine
1998	M.P.H.	Harvard School of Public Health, Clinical Effectiveness

Postdoctoral Training:

Internship and Residencies:

1993-1994	Intern in Medicine, Brigham and Women's Hospital, Boston
1994-1996	Resident in Medicine, Brigham and Women's Hospital, Boston

Clinical and Research Fellowships:

1993-1996	Clinical Fellow in Medicine, Harvard Medical School
1996-1998	Fellow, Harvard Faculty Development and Fellowship Program in General Internal Medicine, Brigham and Women's Hospital
1996-1998	Fellow, Department of Health Care Policy, Harvard Medical School

Licensure and Certification:

1995	State of Massachusetts
1996	Diplomate, American Board of Internal Medicine (#167484), recertified 2006

Academic Appointments:

1998-2003	Instructor in Medicine, Harvard Medical School
1998-2003	Instructor in Health Care Policy, Harvard Medical School
2003-	Assistant Professor of Medicine, Harvard Medical School
2003-	Assistant Professor of Health Care Policy, Harvard Medical School

Hospital Appointments:

1996- Associate Physician, Brigham and Women's Hospital

Major Committee Assignments:

University of Chicago Pritzker School of Medicine:

1989-1990 Liaison Committee for Medical Education Task Force
1990-1993 Dean's Council Representative
1990-1993 Pritzker School of Medicine Committee on Admissions, Interviewer
1992 Orientation to the Clinical Biennium Committee, Chairman and
Cofounder
1992-1993 Pritzker School of Medicine Committee on Admissions, Student
Member

Harvard Medical School:

2004- Harvard Medical School Faculty Council

Brigham and Women's Hospital:

1993-1996 Resident Member, Intern Selection Committee
1995-1996 Coordinator, Evidence Based Medicine Journal Club
1996-1998 Coordinator, General Medicine Fellows' Seminar
1997- Faculty Discussion Leader, Evidence Based Medicine Resident
Journal Club
1999- Coordinator, Division of General Internal Medicine Faculty Journal Club
1999- Chairman, Brigham Internal Medicine Associates Study Review
Committee
2000-2003 Member, Faculty Search Committee, Division of General Medicine, BWH
2001- Member, Intern Selection Committee, BWH Residency Program

Regional:

2005 Member, Expert Panel, Massachusetts Women's Health Network
Evaluation Project

National:

1999- Member, SGIM National Meeting Abstract Review Committee
2000-2003 Member, Selection Committee, Blue Cross Blue Shield National Awards
for Best Practices
2000-2001 Member, SGIM National Meeting Workshop Review Committee
2001- Judge, SGIM Associates Award and Junior Faculty Award
2002-2004 Member, SGIM Best Paper Award Selection Committee
2002, 2005 Ad-hoc Grant Reviewer, California Breast Cancer Research Program
2002 Grant Reviewer, National Cancer Institute, RFA Scientific Review

	Committee
2003	Grant Reviewer, California Breast Cancer Research Program Review Committee
2003	Co-chair, SGIM National Meeting Abstract Review Sub-committee
2003-2004	Program Chair, Society of General Internal Medicine National Meeting
2004-	Coordinator ABIM Continuous Professional Development Self-Evaluation Process Sessions at SGIM Annual Meeting
2004-2006	National Quality Forum Breast Cancer Technical Panel
2005	Chair, SGIM National Meeting Abstract Review Sub-committee
2005	Technical Expert, Johns Hopkins University Evidence-Based Practice Center: The Periodic Health Exam
2005	Grant Reviewer, CDC National Center for Chronic Disease Prevention and Health Promotion Special Emphasis Panel
2006-	Member, American Cancer Society Cancer Control and Prevention: Psychosocial and Behavioral Research Review Committee

Memberships in Professional Societies:

1993-1999	Member, American Medical Association
1993-	Member, Massachusetts Medical Society
1996-	Member, American College of Physicians
1996-	Member, Society of General Internal Medicine
1997-	Member, Academy Health (prior Association for Health Services Research)

Community Service Related to Professional Work:

1996-	Volunteer Physician, New England Shelter for Homeless Veterans
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Editorial boards

1998-	Ad-hoc Reviewer, <i>Health Affairs</i>
1998-	Ad-hoc Reviewer, <i>Western Journal of Medicine</i>
1999-	Ad-hoc Reviewer, <i>Journal of General Internal Medicine</i>
1999-	Ad-hoc Reviewer, <i>Cancer</i>
1999-	Ad-hoc Reviewer, <i>Health Services Research</i>
2000-	Ad-hoc Reviewer, <i>Medical Care</i>
2000-	Ad-hoc Reviewer, <i>Journal of Clinical Oncology</i>
2000-	Ad-hoc Reviewer, <i>American Journal of Medicine</i>
2000-	Ad-hoc Reviewer, <i>Milbank Quarterly</i>
2001-	Ad-hoc Reviewer, <i>Journal of the American Medical Association</i>
2004-	Ad-hoc Reviewer, <i>Annals of Internal Medicine</i>
2004-	Ad-hoc Reviewer, <i>Annals of Family Medicine</i>
2004-	Member, Editorial Board, <i>Harvard Health Letter</i>
2005-	Ad-hoc Reviewer, <i>International Journal for Quality in Health Care</i>
2005-	Ad-hoc Reviewer, <i>Archives of Internal Medicine</i>
2005-	Ad-hoc Reviewer, <i>Diabetes Care</i>
2005-	Ad-hoc Reviewer, <i>American Journal of Managed Care</i>

Awards and Honors:

1988	Phi Beta Kappa, Virginia Tech
1989	Outstanding Senior in Department of Biochemistry, Virginia Tech
1989	B.S. Summa Cum Laude, Virginia Tech
1990	Ciba Geigy Research Award, University of Chicago
1991	International Society for Cardiovascular Surgery Research Award
1992	Alpha Omega Alpha, University of Chicago
1993	American Medical Women's Association Award for Scholastic Achievement
1993	Joseph A. Capps Award for Outstanding Proficiency in Clinical Medicine, University of Chicago
1997	Mack Lipkin Sr. Associates Award, Society of General Internal Medicine
1999	Doris Duke Charitable Foundation Clinical Scientist Award
2000	Milton Hamolsky Junior Faculty Award, Society of General Internal Medicine
2005	Outstanding Junior Investigator of the Year, Society of General Internal Medicine

Research Funding Information:

Past

1996-1998	National Research Service Award Health Resources and Services Administration	Research Fellow
1996-1998	The Primary Care Education Fund, BWH Physicians experiences and beliefs regarding informal consultation	PI
1998-1999	National Research Service Award Agency for Health Care Policy and Research	Research Fellow
1998-1999	Prudential Health Services Research Fellowship Prudential Health Care	Research Fellow
1999-2001	Agency for Health Care Policy and Research and American Association of Health Plans Grants U01 HS09936 and HS 98-005 Effect of Health Plans on Hypertension and Diabetes Care	Co-investigator
1999-2002	Doris Duke Charitable Foundation Clinical Scientist Award 19991079 Effect of physician specialty on quality of breast cancer care	PI
2002-2005	Doris Duke Charitable Foundation Clinical Scientist Award Effect of physician specialty on hospice use in breast cancer T99040C	PI

2001-2005	National Cancer Institute Managed Care Penetration and Cancer Care 1 R01 CA92588-01	Acting PI
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Active

2001-2006	National Cancer Institute Cancer Care Outcomes Research & Surveillance Consortium 1 U01 CA93324-01	Co-investigator
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2004-2006	Novartis Cancer-therapy Induced Bone Loss and Fracture Risk among Men with Prostate Cancer ZOL446G US94	PI
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2004-2007	SPORE, National Cancer Institute Cancer Survivorship in Men with Prostate Cancer u/d Grant No. 5 P50 CA090381-03	PI
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2005-2008	National Cancer Institute Long-term Outcomes of Breast Cancer Treatment in Community Populations 1 R01 CA104118	PI
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2005-2009	Veterans Health Administration... Study of Cancer Care in the Veterans Health Administration	Co-PI
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Report of Current Research Activities other than Above:

Health status and disability of older cancer survivors	Mentor
PSA surveillance after prostate cancer treatment	Mentor
Change in employment status associated with breast cancer treatments	Mentor
Understanding variation in utilization and costs among hospice patients	Co-PI
Transfer of information via social networks among physicians	PI

Bibliography

Original Articles

1. **Keating NL**, Zaslavsky AM, Ayanian JZ. Physicians' experiences and beliefs regarding informal consultation. *JAMA* 1998; 280: 900-904.
2. **Keating NL**, Cleary PD, Rossi AS, Zaslavsky AM, Ayanian JZ. Use of hormone replacement therapy by postmenopausal women in the United States. *Ann Intern Med* 1999; 130: 545-53.
3. **Keating NL**, Zaslavsky AM, Ayanian JZ. Physicians' reports of expertise in clinical practice. *J Gen Intern Med* 2000; 15: 417-420.
4. Dudley RA, Landon BE, Rubin HR, **Keating NL**, Medlin CA, Luft HS. Assessing the relationship between quality of care and the characteristics of health care organizations. *Med Care Res Rev* 2000; 57 (Suppl 2): 116-135.
5. **Keating NL**, Weeks JC, Landrum MB, Borbas C, Guadagnoli E. Discussion of treatment options for early-stage breast cancer: effect of provider specialty on type of surgery and satisfaction. *Med Care* 2001; 39:681-691.
6. **Keating NL**, Green D, Kao A, Gazmararian JA, Wu V, Cleary PD. How are patients' specific ambulatory care experiences related to trust, satisfaction, and considering changing physicians? *J Gen Intern Med* 2002: 17:29-39.
7. **Keating NL**, Guadagnoli E, Landrum MB, Borbas C, Weeks JC. Treatment decision making in early-stage breast cancer: should surgeons match patients' desired level of involvement? *J Clin Oncol* 2002; 20:1473-1479.
8. Polsky D, **Keating NL**, Weeks JC, Schulman KA. The utility of choice: options for breast cancer treatment. *Med Care* 2002; 40:1068-1079.
9. Newhouse JP, Buchanan JL, Bailit HL, Blumenthal D, Buntin MB, Caudry D, Cleary PD, Epstein AM, Fitzgerald P, Frank RG, Gorski H, Huskamp HA, **Keating NL**, Landon BE, McNeil BJ, Palmer RH, Rosenthal MB, Zaslavsky AM. Managed care: an industry snapshot. *Inquiry* 2002; 39:207-220.
10. **Keating NL**, Weeks JC, Borbas C, Guadagnoli E. Treatment of early stage breast cancer: do surgeons and patients agree regarding whether treatment alternatives were discussed? *Breast Cancer Res Treat* 2003; 79: 224-231.
11. **Keating NL**, Landrum MB, Ayanian JZ, Winer EP, Guadagnoli E. Consultation with a medical oncologist before surgery and type of surgery among elderly women with early-stage breast cancer. *J Clin Oncol*. 2003; 21:4532-4539.

12. **Keating NL**, Landrum MB, Landon BE, Ayanian JZ, Borbas C, Guadagnoli E. Measuring the quality of diabetes care—comparison of administrative data and medical record data. *Health Services Res* 2003; 38: 1529-1545.
13. **Keating NL**, Landon BE, Ayanian JZ, Borbas C, Guadagnoli E. Practice, clinical management, and financial arrangements of practicing generalists: are they associated with satisfaction? *J Gen Intern Med* 2004; 19: 410-418.
14. **Keating NL**, Gandhi TK, Orav EJ, Bates DW, Ayanian JZ. Patient characteristics and experiences associated with trust in specialist physicians. *Arch Intern Med* 2004; 164: 1015-1020.
15. **Keating NL**, Landrum MB, Landon BE, Ayanian JZ, Borbas C, Wolf R, Guadagnoli E. The influence of physicians' practice management strategies and financial arrangements on quality of care among patients with diabetes. *Med Care* 2004;42:829-839.
16. Persell SD, **Keating NL**, Landrum MB, Landon BE, Ayanian JZ, Borbas C, Guadagnoli E. Relationship of diabetes-specific knowledge to self-management activities, ambulatory quality of care, and metabolic outcomes. *Prev Med* 2004; 39: 746-752.
17. **Keating NL**, Landrum MB, Ayanian JZ, Winer EP, Guadagnoli E. The association of ambulatory care with breast cancer stage at diagnosis among Medicare beneficiaries. *J Gen Intern Med.* 2005; 20:38-44.
18. **Keating NL**, Landrum MB, Meara E, Ganz PA, Guadagnoli E. Do increases in managed care market share influence quality of care in the fee-for-service sector? *J Natl Cancer Inst.*2005; 97: 257-64.
19. Huskamp HA, **Keating NL**. The new Medicare drug benefit: formularies and their potential effects on access to medications. *J Gen Intern Med* 2005; 20: 662-665.
20. **Keating NL**, Nørredam M, Landrum MB, Huskamp HA, Meara E. Physical and mental health status of older long-term cancer survivors. *J Am Geriatr Soc* 2005; 53: 2145-2152.
21. **Keating NL**, Landrum MB, Guadagnoli E, Winer EP, Ayanian JZ. Factors related to underuse of surveillance mammography among breast cancer survivors. *J Clin Oncol* 2006; 24: 85-94.
22. **Keating NL**, Landrum MB, Meara E, Ganz PA, Guadagnoli E. Managed care market share and primary treatment for cancer. *Health Serv Res*, 2006; 41: 9-22.
23. **Keating NL**, Herrinton LJ, Zaslavsky AM, Liu L, Ayanian JZ. Variations in hospice use among cancer patients. *J Natl Cancer Inst.* 2006; 98:1053-1059.

24. Grabowski DC, Stevenson DG, Huskamp HA, **Keating NL**. The influence of Medicare home health payment incentives: does payer source matter? *Inquiry*. In press.
25. **Keating NL**, O'Malley AJ, Smith MR. Diabetes and cardiovascular disease during androgen deprivation therapy for prostate cancer. *J Clin Oncol*. In press.

Original Articles under Review

1. Rosenthal MB, Landrum MB, Huskamp HA, Meara E, Conti RM, **Keating NL**. Using performance data to identify preferred hospitals. Revision under review.
2. **Keating NL**, Landrum MB, Guadagnoli E, Winer EP, Ayanian JZ. Surveillance testing among survivors of early-stage breast cancer. Revision under review.
3. **Keating NL**, Landrum MB, Landon BE, Ayanian JZ, Borbas C, Guadagnoli E. The effect of financial incentives on patients' trust and satisfaction. Under review.
4. Huskamp HA, Newhouse JP, Carafella J, **Keating NL**. Variation in patient-level costs for one hospice: lessons for the Medicare per diem payment system? Under review.
5. Stevenson DG, Huskamp HA, **Keating NL**, Newhouse JP. Square peg, round hole? Medicare Part D and nursing home residents. Under review.
6. Landrum MB, Meara E, Chandra A, Guadagnoli E, **Keating NL**. Does spending more on health care lead to better quality and outcomes? Care for colorectal cancer. Under review.
7. Stevenson DG, Huskamp HA, Grabowski, DG, **Keating NL**. Hospice care for home and institutionalized users. Under review.

Reviews, Chapters, and Editorials

1. **Keating NL**, Ayanian JZ, Zaslavsky AM. Hormone replacement therapy in postmenopausal U.S. women [letter]. *Ann Intern Med* 1999; 131:791.
2. **Keating NL**, Ayanian JZ. Challenges and opportunities for primary care evaluation. *Int J Qual Health Care*. 2003; 15: 371-373.
3. Huskamp HA, **Keating NL**. The New Medicare Drug Benefit: Potential Effects of Pharmacy Management Tools on Access to Medications. Report to Kaiser Family Foundation. July 2004. Accessed at <http://www.kff.org/medicare/7120a.cfm>.
4. Malin JL, **Keating NL**. The cost-quality trade-off: need for data quality standards for studies that impact clinical practice and health policy. *J Clin Oncol* 2005;23 4581-4584.

Books and other publications

1. **Keating NL**, contributing editor. Komaroff AL, editor. Harvard Medical School Family Health Guide, 1999. New York: Simon and Schuster.
2. Gallagher PM, Hauser H, Guadagnoli E, **Keating N**. Report of tests of strategies to increase response rates from physicians. Proc Statistics Canada Symposium 2001. Accessed at <http://www.statcan.ca/english/conferences/symposium2001/session9/s9c.pdf>.
3. **Keating NL**, Feldman MD. 2004 annual meeting in Chicago: Early plans. *SGIM Forum* 2003; 26(12): 1.
4. **Keating NL**, Feldman MD. Shaping the future of general internal medicine: Top 10 reasons to attend the 27th annual meeting in Chicago. *SGIM Forum* 2004; 27(4): 1.
5. **Keating NL**. Certification and recertification: two special sessions at the annual meeting in Chicago. *SGIM Forum* 2004; 27(4): 6.
6. **Keating NL**. 2004 Annual Meeting: Shaping the future of general internal medicine—Chicago 2004. *SGIM Forum* 27(7): 1.