

CURRICULUM VITAE

Date Prepared: September 2009
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Place of Birth: Towson, Maryland; U.S. Citizen

Education

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

Postdoctoral Training

Internship and Residencies

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

Clinical and Research Fellowships

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

Faculty Academic Appointments

1998-2003	Instructor in Medicine	Health Care Policy	Harvard Medical School
1998-2003	Instructor in Health Care Policy	Health Care Policy	Harvard Medical School
2003-2007	Assistant Professor of Medicine	Health Care Policy	Harvard Medical School
2003-2007	Assistant Professor of Health Care Policy	Health Care Policy	Harvard Medical School
2007-	Associate Professor of Medicine	Health Care Policy	Harvard Medical School
2007-	Associate Professor of Health Care Policy	Health Care Policy	Harvard Medical School

Appointments at Hospitals/Affiliated Institutions

1996-	Associate Physician	Department of Medicine	Brigham and Women's Hospital
1998-	Consulting Staff	Department of Medical Oncology	Dana-Farber Cancer Institute
2002-	Associate Physician	Department of Medicine	

Committee Service

Local

1989-1990	Liaison Committee for Medical Education Task Force		University of Chicago Pritzker School of Medicine
	1989-1990 Member		
1990-1993	Dean's Council		University of Chicago Pritzker School of Medicine
	1990-1993 Class Representative		
1990-1993	Pritzker School of Medicine Committee on Admissions		University of Chicago Pritzker School of Medicine
	1990-1993 Interviewer		
	1992-1993 Student Member		
1992	Orientation to the Clinical Biennium Committee		University of Chicago Pritzker School of Medicine
	1992 Chairman and cofounder		
1993-1996, 2001-	Intern Selection Committee, BWH Residency Program		Brigham and Women's Hospital
	1993-1996 Resident Member		
	2001- Member		
1995-1996	Evidence Based Medicine Journal Club		Brigham and Women's Hospital
	1995-1996 Coordinator		
	1997- Faculty Discussion Leader		
1996-1998	General Medicine Fellows' Seminar		Brigham and Women's Hospital
	1996-1998 Coordinator		
1999-	Division of General Internal Medicine Faculty Journal Club		Brigham and Women's Hospital
	1999- Coordinator		
1999-	Brigham Internal Medicine Associates Study Review Committee		Brigham and Women's Hospital
	1999- Member and Chair		
2000-2003	Faculty Search Committee, Division of General Medicine		Brigham and Women's Hospital
	2000-2003 Member		
2004-2005	Harvard Medical School Faculty Council		Harvard Medical School
	2004-2005 Member		

Regional

2005-2007	Evaluation Project Expert Panel		Massachusetts Women's Health Network
	2005-2007 Member		

National

2000-2003	Selection Committee 2000-2003 Member	Blue Cross Blue Shield National Awards for Best Practices
2004-2006	Breast Cancer Technical Panel 2004-2006 Member	National Quality Forum
2005	Evidence-Based Practice Center: The Periodic Health Exam 2005 Technical Expert	Johns Hopkins University
2008-	National Comprehensive Cancer Network Senior Oncology Guideline Panel 2008- Member	National Comprehensive Cancer Network
2008	Writing Group for the American Heart Association Scientific Statement on Androgen Deprivation Therapy and Cardiovascular Risk 2008 Member	American Heart Association
2009-2010	NIH State-of-the-Science Conference: <i>Enhancing Use and Quality of Colorectal Cancer Screening</i> 2009-2010 Panel Member	National Institutes of Health

Professional Societies

1993-1999, American Medical Association

2007-	1993-1999 Member
	2007- Member

1993- Massachusetts Medical Society

1993-	Member
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1996- Society of General Internal Medicine

1996-	Member
1999-	Annual Meeting Scientific Abstract Selection Committee (co-chair in 2002, 2004-2005, 2008)
2000-	Annual Meeting Workshop Review Committee
2001-	Judge, Associates Award and Junior Faculty Award
2003-2004	Program Chair, 27 th Annual Meeting
2004-2009	Coordinator, ABIM Continuous Professional Development Self-Evaluation Process Session
2006	SGIM Outstanding Junior Investigator Award Committee
2007-2009	Member, Finance Committee
2008	Member, Elnora Rhodes Award Selection Committee
2009-	Member, Council

1996- American College of Physicians

1996-2006	Member
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2006- Fellow

1997- Academy Health (prior association for Health Services Research)

1997- Member

2007- American Society of Clinical Oncology

2007- Member

Grant Review Activities

2002,2003,2005	Scientific Review Committee	California Breast Cancer Research Program
2002, 2005	Ad-hoc Grant Reviewer	
2003	Grant Reviewer	
2002	Scientific Review Committee	National Cancer Institute
2002	Ad hoc Grant Reviewer	
2005	Special Emphasis Panel	CDC National Center for Chronic Disease Prevention & Health Promotion
2005	Grant Reviewer	
2006-2007	Psychosocial and Behavioral Research Review Committee	American Cancer Society Cancer Control and Prevention
2006-2007	Member	
2007-	Health Services Research Scientific Review Committee	American Cancer Society
2007-	Member	
2008	Challenge Award Scientific Review Committee	Prostate Cancer Foundation
2008	Member	

Editorial Activities

Ad hoc Reviewer

Health Affairs

Western Journal of Medicine

Journal of General Internal Medicine

Cancer

Health Services Research

Medical Care

Journal of Clinical Oncology

American Journal of Medicine

Milbank Quarterly

Journal of the American Medical Association

Annals of Internal Medicine

Annals of Family Medicine

International Journal for Quality in Health Care

Archives of Internal Medicine
Diabetes Care
American Journal of Managed Care
Journal of Palliative Medicine
New England Journal of Medicine
Journal of the National Cancer Institute
Medical Decision Making

Other Editorial Roles

2004-	Member, Editorial Board	<i>Harvard Health Letter</i>
2007-	Member, Editorial Board	<i>Journal of Clinical Oncology</i>

Honors and Prizes

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	Research Award	International Society for Cardiovascular Surgery	
1992	Alpha Omega Alpha Honor Society	University of Chicago	
1993	Award for Scholastic Achievement	American Medical Women's Association	
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	Outstanding Research Presentation
1999	Clinical Scientist Award	Doris Duke Charitable Foundation	Research Award
2000	Milton Hamolsky Junior Faculty Award	Society of General Internal Medicine	Outstanding Research Presentation
2005	Outstanding Junior Investigator of the Year	Society of General Internal Medicine	

Report of Regional, National and International Invited Teaching and Presentations

Invited Presentations and Courses

National

1997	Use of Hormone Replacement Therapy in a National Sample of Postmenopausal Women Plenary session Society of General Internal Medicine Annual Meeting Washington, D.C.
1997	Use of Hormone Replacement Therapy in a National Sample of Postmenopausal Women

- Invited Presentation
National Research Service Award Trainees' Research Conference
Chicago, IL
- 1998 Physician Beliefs About Informal or 'Curbside' Consultation
Invited Presentation
National Research Service Award Trainees' Research Conference
Washington, D.C
- 2000 How are Patients' Experiences during the Clinical Encounter Related to Trust and
Considering Changing Physicians?
Invited Presentation
Society of General Internal Medicine Annual Meeting
Boston, MA
- 2000 Surgical Treatment for Early Stage Breast Cancer—Effect of Provider Specialty on
Treatment and Satisfaction
Invited Presentation
Academy Health Annual Meeting
Nashville, TN
- 2004 Do Increases in Managed Care Market Share influence Quality of Cancer Care in the Fee-
for-Service Setting?
Invited Presentation
Academy Health Annual Meeting
San Diego, CA
- 2005 Medicare Part D and the Medicare Modernization Act
Invited Presentation
Harvard Club of New York Seminar Series
New York, NY
- 2005 Factors Related to Underuse of Surveillance Mammography
Invited Presentation
Society of General Internal Medicine Annual Meeting
New Orleans, LA
- 2005 Surveillance Testing after Breast Cancer Diagnosis
Invited Presentation
Society of General Internal Medicine Annual Meeting
New Orleans, LA
- 2006 Physician Factors Associated with Discussions about End-of-Life Care
Invited Presentation
Society of General Internal Medicine Annual Meeting
Los Angeles, CA

- 2006 Quality of Diabetes Care for Cancer Survivors with Diabetes
Invited Presentation
Society of General Internal Medicine Annual Meeting
Los Angeles, CA
- 2006 Physician Factors Associated with Discussions about End-of-Life Care
Invited Presentation
Academy Health Annual Meeting
Seattle, WA
- 2007 Physicians and Variations in Cancer Care
Invited Lecture
Dartmouth Institute for Health Policy and Clinical Practice Seminar
Hanover, NH
- 2008 Physicians and Variations in Cancer Care
Invited Lecture
Pennsylvania State University Seminar
University Park, PA
- 2008 Cancer Patients' Roles in Treatment Decision Making: Are They Influenced by
Characteristics of the Decision?
Invited Presentation
Society of General Internal Medicine Annual Meeting
Pittsburgh, PA
- 2008 Caring for Breast Cancer Survivors
Invited Lecture
Society of General Internal Medicine Annual Meeting
Pittsburgh, PA
- 2008 Cancer Patients' Roles in Treatment Decision Making: Are they Influenced by
Characteristics of the Decision?
Invited Presentation
Academy Health Annual Meeting
Washington, D.C.

International

- 2007 Factors Affecting Influential Discussions Among Physicians: A Social Network Analysis
of a Primary Care Practice
Invited Presentation
Society of General Internal Medicine Annual Meeting
Toronto, Ontario, Canada
- 2007 Primary and Specialty Care before Death and Hospice Enrollment among Women with

Advanced Breast Cancer
Invited Presentation
Society of General Internal Medicine Annual Meeting
Toronto, Ontario, Canada

2009 Understanding Variations in End-of-Life Care for Cancer Patients
Invited Presentation
Oncology Grand Rounds
Sheba Medical Center Cancer Center
Tel Hashomer, Israel

Report of Clinical Activities and Innovations

Current Licensure and Certification

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

Practice Activities

	Type of Activity	Setting of Practice	Description
1993-	Outpatient primary care practice	Brigham Internal Medicine Associates, Brigham and Women's Hospital	1 scheduled session per week and urgent visits throughout the week
1998-	Outpatient primary care preceptor	Brigham Internal Medicine Associates, Brigham and Women's Hospital	Weekly session supervising care for patients of 4-5 residents
1998-	Inpatient care attending	General Medical Service, Brigham and Women's Hospital	2-4 weeks per year

Report of Education of Patients and Service to the Community

1996- Volunteer Physician New England Shelter for Homeless Veterans

Report of Scholarship

Peer reviewed publications in print or other media

Research Investigations

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* 2006; 43:135-149.
25. **Keating NL**, O'Malley AJ, Smith MR. Diabetes and cardiovascular disease during androgen deprivation therapy for prostate cancer. *J Clin Oncol.* 2006; 24:4448-4456.
26. Huskamp HA, Stevenson DG, Donahue JM, Newhouse JP, **Keating NL**. Coverage and prior authorization of psychotropic drugs under Medicare Part D. *Psych Services* 2007; 58: 308-310.
27. **Keating NL**, Landrum MB, Guadagnoli E, Winer EP, Ayanian JZ. Surveillance testing among survivors of early-stage breast cancer. *J Clin Oncol* 2007; 25: 1074-1081.
28. **Keating NL**, Landrum MB, Landon BE, Ayanian JZ, Borbas C, Guadagnoli E. The influence of cost containment strategies and physicians' financial arrangements on patients' trust and satisfaction. *J Ambul Care Manage* 2007; 30: 92-104.
29. Stevenson DG, Huskamp HA, **Keating NL**, Newhouse JP. Medicare Part D and nursing home residents. *J Am Geriatr Soc* 2007; 55:1115-1125.
30. **Keating NL**, Ayanian JZ, Cleary PD, Marsden PV. Factors affecting influential discussions among physicians: a social network analysis of a primary care practice. *J Gen Intern Med* 2007; 22: 794-798.
31. Rosenthal MB, Landrum MB, Huskamp HA, Meara E, Conti RM, **Keating NL**. Using performance data to identify preferred hospitals. *Health Serv Res* 2007. 42: 2109-2119.

32. **Keating NL**, Zaslavsky AM, Herrinton LJ, Selby JV, Wolf RE, Ayanian JZ. Quality of diabetes care among cancer survivors with diabetes. *Med Care* 2007; 45: 869-875.
33. Stevenson DG, Huskamp HA, Grabowski, DG, **Keating NL**. Differences in hospice care between home and institutional settings. *J Palliat Med* 2007;10: 1040-7.
34. Landrum MB, Meara E, Chandra A, Guadagnoli E, **Keating, NL**. Is spending more always wasteful? The appropriateness of care and outcomes among colorectal cancer patients. *Health Aff* 2008; 27: 159-168.
35. **Keating NL**, Landrum MB, Guadagnoli E, Winer EP, Ayanian JZ. Care in the months before death and hospice enrollment among older women with advanced breast cancer. *J Gen Intern Med* 2008; 23: 11-18.
36. **Keating NL**, O'Malley AJ, McNaughton Collins M, Oh WK, Smith MR. Use of androgen deprivation therapy for metastatic prostate cancer in older men. *BJU Int* 2008; 101: 1077-1083.
37. Huskamp HA, Newhouse JP, Norcini JC, **Keating NL**. Per diem payment and variation in patient-level hospice costs. *Inquiry* 2008; 45: 232-244.
38. Huskamp HA, Stevenson DG, **Keating NL**, Newhouse JP. Prescription drug claim rejections for nursing home residents under Medicare Part D. *Health Aff* 2008; 2:560-567.
39. Hu JC, Wang Q, Pashos CL, Lipsitz S, **Keating NL**. Utilization and outcomes of laparoscopic radical prostatectomy. *J Clin Oncol* 2008; 26: 2278-2284.
40. Gandhi TK, **Keating NL**, Ditmore M, Kiernan D, Johnson R, Burdick E, Hamann C. Improving referral communication using a referral tool within an electronic medical record. *AHRQ Advances in Patient Safety* 2008; 3: 63-74.
41. **Keating NL**, Zaslavsky AM, Goldstein J, West DW, Ayanian JZ. Randomized trial of \$20 vs. \$50 incentives to increase physician survey response rates. *Med Care* 2008; 46:878-81.
42. **Keating NL**, Landrum MB, Klabunde CN, Fletcher RH, Rogers SO, Doucette WR, Tisnado D, Clauser S, Kahn KL. Adjuvant chemotherapy for stage III colon cancer: do physicians agree about the importance of patient age and comorbidity? *J Clin Oncol* 2008; 26: 2532-2537.
43. Prasad SM, **Keating NL**, Wang Q, Pashos CL, Lipsitz S, Hu JC. Variations in radical prostatectomy surgeon volume and use of pelvic lymph node dissection with open and laparoscopic radical prostatectomy. *Urology* 2008; 72:647-52.
44. **Keating NL**, Stoeckert KA, Regan MM, DiGianni L, Garber JE. Physicians' reports about BRCA1/2 testing in community settings. *J Clin Oncol* 2008; 26: 5789-5796.
45. Freedman RA, He Y, Winer EP, **Keating NL**. Trends in racial and age disparities in definitive locoregional therapy of early-stage breast cancer. *J Clin Oncol* 2009; 27: 713-719.
46. Grabowski DC, Stevenson DG, Huskamp HA, **Keating NL**. Ownership status and length of home health care enrollment. *J Aging Soc Policy* 2009; 21: 130-143.

47. Huskamp HA, **Keating NL**, Malin JL, Zaslavsky AM, Weeks JC, Earle CC, Teno JN, Virnig BA, Kahn KL, He Y, Ayanian JZ. Discussions with physicians about hospice among patients with metastatic lung cancer. *Arch Intern Med* 2009; 169; 954-962.
48. Hassett M, O'Malley OJ, **Keating NL**. Factors influencing changes in employment among women with newly diagnosed breast cancer. *Cancer* 2009; 115:2775-82.
49. **Keating NL**, Kouri E, He Y, Weeks JC, Winer EP. Racial differences in definitive breast cancer surgery: are they explained by the hospitals where patients undergo surgery? *Med Care* 2009; 47:765-73.
50. Lee IH, Hayman JA, Landrum MB, Tepper J, Tao ML, Goodman KA, **Keating NL**. The influence of physician and patient factors on treatment recommendations for locally advanced, non-small cell lung cancer. *Int J Radiat Oncol Biol Phys* 2009; 74(5):1376-84.
51. Klabunde C, Ambs A, **Keating NL**, He Y, Doucette W., Tisnado D, Clauser S, Kahn KL. The role of primary care physicians in the management of lung and colorectal cancer patients. *J Gen Intern Med* 2009; 24: 1029-1036.
52. Hu JC, Gu X, Lipsitz SR, Barry MJ, D'Amico A, Fowler FJ, Weinberg AC, **Keating NL**. Comparative effectiveness of minimally invasive versus open radical prostatectomy. *JAMA* 2009. In press.
53. Rogers SO, Ayanian JZ, Ko CY, Kahn KL, Zaslavsky AM, Sandler RS, **Keating NL**. Surgeons' volume of colorectal cancer procedures and collaborative decision-making about adjuvant therapies. *Ann Surgery* 2009; In press.
54. Norredam M, Meara E, Landrum MB, Huskamp HA, **Keating NL**. Financial status, employment, and insurance among older cancer survivors. *J Gen Intern Med* 2009. In press.
55. **Keating NL**, Landrum MB, Rogers SO, Baum SK, Virnig BA, Huskamp HA, Earle CC, Kahn KL. Physician factors associated with discussions about end-of-life care. *Cancer* 2009. In press.
56. Oh WK, Landrum MB, Lamont EB, McNeil BJ, **Keating NL**. Does oral antiandrogen use before luteinizing hormone-releasing hormone therapy in patients with metastatic prostate cancer prevent clinical consequences of a testosterone flare? *Urology* 2009. In press.
57. **Keating NL**, Landrum MB, Lamont EB, Earle CC, Bozeman SR, McNeil BJ. End-of-life care for older cancer patients in the Veterans Health Administration versus the private sector. *Cancer* 2009. In press.
58. Lamont EB, Landrum MB, **Keating NL**, Archer L, Lan L, Strauss GM, Lilenbaum R, Niell HB, Maurer LH, Kosty MP, Miller AA, Clamon GH, Elias AD, McClay EF, Vokes EE, and McNeil BJ. Differences in clinical trial patients' attributes and outcomes according to enrollment setting. *J Clin Oncol* 2009. In press.
59. Rogers SR, Gray SW, Landrum MB, Klabunde CN, Fletcher RH, Kahn KL, Clauser S, Tisnado D, Doucette W, **Keating NL**. Variations in surgeon treatment recommendations for lobectomy in early-stage non small cell lung cancer by patient age and comorbidity. *Am J Surg Oncol* 2009. In press.

Non-peer reviewed scientific or medical publications/materials in print or other media

Reviews, Chapters, Monographs and Editorials

1. **Keating NL**, Ayanian JZ. Challenges and opportunities for primary care evaluation. *Int J Qual Health Care*. 2003; 15: 371-373.
2. 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>.
3. 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.
4. Smith MR, O'Malley AJ, **Keating NL**. GnRH agonists, diabetes, and cardiovascular disease in men with prostate cancer: what metabolic syndrome? *BJU Int* 2008. 101: 1335-6.
5. Saylor PJ, **Keating NL**, Smith MR. Prostate cancer survivorship: prevention and treatment of the adverse effects of androgen deprivation therapy. *J Gen Intern Med* 2009; In press.

Books/Textbooks for the Medical or Scientific Community

1. **Keating NL**, contributing editor. Komaroff AL, editor. Harvard Medical School Family Health Guide, 1999. New York: Simon and Schuster.