

**Harvard Medical School
Curriculum Vitae**

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Place of Birth: Baltimore, MD

Education

| | | | |
|---------|-------|---|---|
| 1993-97 | B.S. | Biology, second major in French, minor in creative writing | University of North Carolina at Chapel Hill |
| 1998-03 | M.D. | Medicine | Harvard Medical School |
| 2005-08 | Ph.D. | Health Policy, concentration in evaluative sciences and statistics | Harvard University |

Postdoctoral Training

Internship and Residency

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|---------|----------|---------------------------------------|---------------------------------|
| 2003-04 | Intern | Internal Medicine and Primary Care | Brigham and Women's Hospital |
| 2004-05 | Resident | Internal Medicine and Primary Care | Brigham and Women's Hospital |

Clinical and Research Fellowships

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|---------|-----------------------------|---|------------------------------------|
| 2003-05 | Clinical Fellow | Medicine | Harvard Medical School |
| 2005-07 | Research/Clinical Fellow | Harvard Faculty Development and Fellowship Program in General Internal Medicine | Brigham and Women's Hospital |
| 2005-07 | Post-Doctoral Fellow | AHRQ Post-Doctoral Fellowship in Health Services Research | Harvard School of Public Health |

Other Postdoctoral Training

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|---------|--------------------|----------------------------------|------------------------|
| 2007-08 | Research Associate | Department of Health Care Policy | Harvard Medical School |
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Faculty Academic Appointments

| | | | |
|-------|---------------------|--------------------|------------------------|
| 2008- | Assistant Professor | Health Care Policy | Harvard Medical School |
| 2008- | Assistant Professor | Medicine | Harvard Medical School |

Appointments at Hospitals/Affiliated Institutions

| | | | |
|-------|---------------------|------------------------|---------------------|
| 2005- | Associate Physician | Department of Medicine | Brigham and Women's |
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| 2007- | Attending Physician | Brigham Internal Medicine Associates | Hospital Brigham and Women's Hospital |
| 2007- | Attending Physician | General Medical Service | Brigham and Women's Hospital |

Other Professional Positions

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|-------|---|--|-----------------------------|
| 2007- | Consulting Analyst, National Scorecard on U.S. Health System Performance | | The Commonwealth Fund |
| 2008 | Consultant to the Committee on Health Insurance Status and its Consequences | | Institute of Medicine |
| 2010 | Consulting Reviewer, Data Monitoring Committee | | Health and Retirement Study |

Committee Service

Local

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|-----------|--|--|--|
| 2008- | Faculty Advisory Committee, Ph.D. Program in Health Policy, Member | | Harvard University |
| 2009- | Committee on Higher Degrees in Health Policy, Member | | Harvard University |
| 2009-2010 | Division of General Medicine Primary Care Residency Recruitment Subcommittee, Member | | Brigham and Women's Hospital |
| 2009- | Housestaff Mentoring Program, Mentor | | Brigham and Women's Hospital |
| 2010-2011 | Junior Statistician Search Committee, Member | | Department of Health Care Policy, Harvard Medical School |

National

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|-------|---|--|--|
| 2009- | Referee, America's Best of Blue and Blue Works Awards | | Blue Cross and Blue Shield Association |
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Professional Societies

1997- **Massachusetts Medical Society**
1997- Member

2003- **Society of General Internal Medicine**

2003- Member
2009 Best Research Paper of the Year Award Selection Committee, Chair
2009- Dataset Compendium, Content Reviewer
2012 Member, Health Policy Scientific Review Committee, Annual Research Meeting

2006- **AcademyHealth**

2006- Member

2007- **American College of Physicians**

2007- Member

Editorial Activities

Ad hoc Reviewer

2005- *Health Affairs*
 2005- *Pediatrics*
 2006- *Journal of the American Medical Association*
 2006- *Ethnicity and Health*
 2008- *New England Journal of Medicine*
 2008- *Health Services Research*
 2008- *Public Health Reports*
 2009- *Annals of Internal Medicine*
 2009- *Journal of Health Economics*
 2009- *Journal of Policy Analysis and Management*
 2009- *Journal of General Internal Medicine*
 2010- *The Milbank Quarterly*
 2010- *Preventive Medicine*
 2010- *BMC Public Health*
 2010- *American Journal of Public Health*

Honors and Prizes

1993-97 Morehead Scholar, University of North Carolina
 1993-97 North Carolina Fellow, University of North Carolina
 1993-97 Honors Program, University of North Carolina
 1993-97 Dean's List, University of North Carolina
 1996 *Phi Beta Kappa*, University of North Carolina
 1996 Order of the Golden Fleece leadership award, University of North Carolina
 1996 Martin Luther King, Jr. Scholarship Award Finalist, University of North Carolina
 1997 B.S. with Highest Distinction in Biology, University of North Carolina
 1997 Honors in Creative Writing, University of North Carolina
 2003 Trainee Investigator Award, American Society for Clinical Investigation
 2003 M.D. *magna cum laude* in Health Care Policy, Harvard Medical School
 2005-07 AHRQ Post-Doctoral Fellow in Health Services Research,
 Harvard School of Public Health
 2007 Mack Lipkin, Sr. Associate Award, Society of General Internal Medicine
 2007-13 NIH Health Disparities Loan Repayment Award
 2008 Best Published Research Paper of the Year Award, Society of General Internal Medicine
 2008 AcademyHealth Dissertation Award
 2009 Milton W. Hamolsky Junior Faculty Award, Society of General Internal Medicine
 2010 Clinical Scientist Development Award, Doris Duke Charitable Foundation
 2010 Paul B. Beeson Career Development Award in Aging Research

Report of Funded and Unfunded Projects

Current Funding

2009-2014 The Role of Private Plans in Medicare
 National Institute on Aging P01 AG032952 (PI: Newhouse, Joseph)
 Co-Investigator
 This program project intends to undertake a fundamental examination of the economics of Medicare Part C, or Medicare Advantage, form a framework grounded in economic theory.

2009- "BlueWorks"
 Blue Cross Blue Shield Association (PI: McNeil, Barbara)

Co-Investigator

The goal of this project is to identify potential quality enhancing and/or cost decreasing approaches to improving care throughout all plans with the Blue Cross "brand" in the United States.

- 2010-2013 Reforming Medicare: Beneficiary Choice, Plan Payment, and Accountable Care
Paul B. Beeson Career Development Award in Aging Research
National Institute on Aging K08 AG038354, American Federation for Aging Research
PI (\$505,084)
The goal of this project is to inform the development of policies to improve systems of care for elderly Americans and achieve greater value in Medicare. First, beneficiary enrollment decisions will be examined to determine if overly complex choices lead to the selection of inferior options, particularly among cognitively impaired adults. Second, recently improved methods of risk-adjustment will be evaluated to determine if private plans reduced counterproductive selection behaviors and increased their enrollment and retention of patients with chronic diseases. Third, the project will measure the structural readiness of local delivery systems to form integrated accountable care organizations, assess geographic heterogeneity in this readiness, and compare fragmentation of care, quality of care, and health care spending for elderly adults in the Medicare program across more and less integrated areas.
- 2010-2013 Economic and Clinical Benefits of Medicare Prescription Drug Coverage
Clinical Scientist Development Award
Doris Duke Charitable Foundation 2010053
PI (\$450,000)
This project uses national survey data linked to Medicare claims data to assess the impact of the implementation of the Medicare Part D prescription drug benefit on potentially avoidable hospitalizations, non-drug Medicare spending, and chronic disease control for beneficiaries with little to no drug coverage prior to 2006

Past Funding

- 2005-2007 Post-Doctoral Fellowship in Health Services Research
AHRQ/NRSA T32 HS00020-20 and -21
Post-Doctoral Fellow
Training grant for post-doctoral health services researchers
- 2006-2009 Assessing the long-term implications of uninsured adults to Medicare (PI: Ayanian, John)
The Commonwealth Fund 20060485
Co-Investigator
This project examined the effects of near-universal Medicare coverage after age 65 on the health and survival of previously uninsured adults and on racial and ethnic disparities in disease control, and examined the association of uninsurance before age 65 to use of health services and Medicare spending after age 65.
- 2010 Impact of Medicare Part D on Preventable Hospitalizations and Non-drug Medicare Spending
William F. Milton Fund #624473
PI

This project employs national survey data linked to Medicare claims data to assess the impact of the implementation of the Medicare Part D prescription drug benefit on potentially avoidable hospitalizations and Part A and Part B Medicare spending. Funds were dedicated to supporting statistical programming for preliminary analyses.

2010 Outpatient Waiting Times, Outcomes, and Cost for VA Patients with Diabetes (Supplement)
 VA Boston Healthcare System/VA HSR & D, IAD 06-112 (PI: Pizer, Steven / Subcontract PI: Landon, Bruce)
 Co-Investigator
 This project built on an ongoing study of outpatient waiting times, outcomes, and cost for VA patients with diabetes. Specifically, the analyses incorporated newly available data to formally test the hypothesis that VA clinics and medical centers that use their resources most efficiently have the greatest capacity to serve patients and respond to increases in demand for appointments.

Report of Local Teaching and Training

Teaching of Students in Courses

Harvard Medical School

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|-----------|---|--------------------------------|--|
| 2008-2010 | HC 750: Health Policy 150 students/8-10 per tutorial | Section Leader | 12 sessions (2hr/session) |
| 2011- | HC 750: Health Policy 150 students/8-10 per tutorial | Section Leader and Lecturer | 12 sessions (2hrs/session; 1 lecture) |

Harvard Graduate School of Arts and Sciences

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|-------|--|-------------|----------------------------|
| 2008- | Health Policy 3080: Graduate reading course and evaluative science and statistics concentration exam preparation | Course head | 12 sessions (2hrs/session) |
|-------|--|-------------|----------------------------|

Formal Teaching of Residents, Clinical Fellows and Research Fellows:

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|-----------|---|---|
| 2005 | Intern Curriculum Internal Medicine Residency Program Brigham and Women’s Hospital | 25 Interns 10 2-hr sessions/yr |
| 2007-2008 | Humanistic Curriculum Internal Medicine Residency Program Brigham and Women’s Hospital | 6 2-hr sessions/yr |
| 2009 | “Health Policy: Problems and Solutions” Housestaff ambulatory curriculum Brigham and Women’s Hospital | 20 Residents Lecture, 1 hr |
| 2011 | “Affecting Health Care Policy through Research” Primary Care Residency Program Social Justice Curriculum, Brigham and Women’s Hospital | 10 Primary care residents Lecture, 1hr |

Clinical Supervisory and Training Responsibilities

- 2007-09 General Medical Service, Brigham and Women's Hospital
Attending Physician and Supervisor for 1 resident, 2 interns, and 1-2 medical students
2 weeks/year, 25hrs/week
- 2008- Phyllis Jen Center for Primary Care, Brigham and Women's Hospital
Attending Physician and Preceptor for 4-5 residents
45-50 sessions/year, 4hrs/session
- 2009- Housestaff Mentoring Program, Brigham and Women's Hospital
Mentoring responsibilities for 1 resident per class
- 2010- Intensive Teaching Unit, Brigham and Women's Hospital
Attending Physician and Supervisor for 1 resident, 3 interns, and 2 medical students
2 weeks/year, 40hrs/week

Formally Supervised Trainees

- 2008-09 Genna Ableman, AB
MD candidate, NYU
Supervised Harvard undergraduate independent research project in health policy
- 2009-10 Miji Choi, MD, MPH
Harvard School of Public Health graduate
Graduate independent research project supervisor; published manuscript in *Journal of Health Care for the Poor and Underserved* (2011).
- 2010- Kao-Ping Chua, MD
Fellow, Harvard Pediatric Health Services Research Fellowship Program
Student, Harvard PhD Program in Health Policy
Research mentor
- 2011- Akihiro Nishi, MD, MPH
DrPH candidate, Harvard School of Public Health
Dissertation committee member; published manuscript in the *Bull World Health Organ*
(2012 in press).
- 2012- Ifedayo Kuye, AB
MD candidate, Harvard Medical School
Research mentor

Formal Teaching of Peers

- 2006 Office Practice of Primary Care Medicine
Joint injection workshop leader
150 practicing physicians
3 sessions, 1h/session

Local Invited Presentations

- 2008 Importance of Health Insurance for Near-elderly Adults/ Gerontology Grand Rounds
Division of Gerontology, Beth Israel Deaconess Medical Center
35-50 faculty, fellows, residents, students, nurses, and physical therapists
- 2009 Sick, Aging, and Uninsured: Importance of Coverage and Value of Reform/ Medical Grand Rounds
Department of Medicine, Faulkner Hospital
40-50 attending physicians, medical residents, and students
- 2009 Achieving Value in Health Care/ Speaker
Harvard Board of Fellows Meeting, Harvard Medical School
25-30 panelists and members of the Board of Fellows
- 2009 Sick, Aging, and Uninsured: The Value of Coverage/ Speaker
Faculty Symposium on Health Care Policy, Harvard Medical School
50-100 Harvard Medical School Alumni
- 2011 Effects of Medicare Part D on Non-drug Medical Spending for Elderly Adults with Limited Prior Drug Coverage
Pharmaceutical Policy Research Seminar
Department of Population Medicine, Harvard Medical School
30 faculty and student

Report of Regional, National, and International Invited Teaching and Presentations

No presentations below were sponsored by outside entities

National

- 2004 Experience of uninsured near-elderly adults in the Health and Retirement Study/ Invited Lecture
Institute for Social Research & National Poverty Center of Gerald Ford School of Public Policy,
University of Michigan, Ann Arbor, MI
- 2006 Intensity of health services and costs of care for previously uninsured Medicare beneficiaries/
Presentation (abstract), Annual NRSA Trainees Research Conference, Seattle, WA
- 2006 Intensity of health services and costs of care for previously uninsured Medicare beneficiaries/
Presentation (abstract), AcademyHealth Annual Research Meeting, Seattle, WA
- 2007 Intensity of health services and costs of care for previously uninsured Medicare beneficiaries/
Lipkin Finalist Presentation (abstract), Society of General Internal Medicine Annual Meeting,
Toronto
- 2008 Management of cardiovascular disease and diabetes in the US: trends in disparities and effects of
Medicare coverage/ Presentation (abstract), Society of General Internal Medicine Annual Meeting,
Pittsburgh, PA
- 2008 Sick, aging, and uninsured: importance of coverage and value of reform/ Medical Grand Rounds
Department of Medicine, University of Virginia, VA

- 2009 Medicare Spending for Previously Uninsured Adults/ Plenary Presentation (abstract)
Society of General Internal Medicine Annual Meeting, Miami, FL
- 2009 Medicare Spending for Previously Uninsured Adults/Presentation (abstract)
AcademyHealth Annual Research Meeting, Chicago, IL
- 2010 Finding and Using Publicly Available Datasets for Secondary Data Analysis Research
Society of General Internal Medicine Annual Meeting, Minneapolis, MN
- 2011 Effects of Medicare prescription drug coverage on non-drug medical spending/ Presentation
(abstract), Society of General Internal Medicine Annual Meeting, Phoenix, AZ
- 2011 Cognition and choice between traditional Medicare and Medicare Advantage/ Presentation
(abstract), Society of General Internal Medicine Annual Meeting, Phoenix, AZ
- 2011 Effects of Medicare prescription drug coverage on non-drug medical spending/ Presentation
(abstract), AcademyHealth Annual Research Meeting, Seattle, WA
- 2011 Cognition and choice between traditional Medicare and Medicare Advantage/ Presentation
(abstract), AcademyHealth Annual Research Meeting, Seattle, WA
- 2012 Risk adjustment and risk selection in Medicare Advantage/Presentation
Science of Medicare Reform, University of Southern California, Los Angeles, CA
- 2012 Risk adjustment and risk selection in Medicare Advantage/Invited Lecture
Robert Wood Johnson Foundation Clinical Scholars Program & Institute for Social Research,
University of Michigan, Ann Arbor, MI

Report of Clinical Activities and Innovations

Current Licensure and Certification

- 2005- Commonwealth of Massachusetts Board of Registration in Medicine
2007- Diplomate, American Board of Internal Medicine

Practice Activities

- 2005- Primary care, Brigham Internal Medicine Associates, Brigham and Women's Hospital
1 session per week, 5hrs/session

Report of Scholarship

Peer-Reviewed Publications in print or other media

Research Investigations

1. Reese PP, Hicks LS, **McWilliams JM**, Britton O, McKean SCW. Hospitalist home visit program identifies medication errors in a vulnerable general medicine population. *J Clin Outcomes Manage* 2003;10:198-202.
2. **McWilliams JM**, Zaslavsky AM, Meara E, Ayanian JZ. Impact of Medicare coverage on basic clinical services for previously uninsured adults. *JAMA* 2003;290:757-764.

3. **McWilliams JM**, Zaslavsky AM, Meara E, Ayanian JZ. Health insurance coverage and mortality among the near-elderly. *Health Aff (Millwood)* 2004;23:223-233.
4. Hicks LS, Ayanian JZ, Orav EJ, Soukup J, **McWilliams JM**, Choi SS, Johnson PA. Is hospital service associated with racial and ethnic disparities in experiences with hospital care? *Am J Med* 2005;118:529-535
5. Opatowsky AR, **McWilliams JM**, Cannon CP. Gender differences in aspirin use among adults with coronary heart disease in the United States. *J Gen Intern Med* 2007;22:55-61. PMID: 17351840
6. **McWilliams JM**, Meara E, Zaslavsky AM, Ayanian JZ. Use of health services by previously uninsured Medicare beneficiaries. *N Engl J Med* 2007;357:143-53. PMID: 17625126
7. **McWilliams JM**, Meara E, Zaslavsky AM, Ayanian JZ. Health of previously uninsured adults after acquiring Medicare coverage. *JAMA* 2007;298:2886-94. PMID: 18159058
8. **McWilliams JM**, Meara E, Zaslavsky AM, Ayanian JZ. Differences in control of cardiovascular disease and diabetes by race, ethnicity, and education: U.S. trends from 1999 to 2006 and effects of Medicare coverage. *Ann Intern Med* 2009;150:505-15. PMID: 19380852
9. **McWilliams JM**, Meara E, Zaslavsky AM, Ayanian JZ. Medicare spending for previously uninsured adults. *Ann Intern Med* 2009;151:757-766. PMID: 19805758
10. **McWilliams JM**, Meara E, Zaslavsky AM, Ayanian JZ. Assessing the health effects of Medicare coverage for previously uninsured adults: a matter of life and death? *Health Serv Res* 2010; 45: 1407-1422. PMID: 20337735
11. Choi M, Sommers BD, **McWilliams JM**. Children's health insurance and access to care during and after the CHIP expansion period. *J Health Care Poor Underserved* 2011; 22:578-591. PMID: 21551935
12. **McWilliams JM**, Zaslavsky AM, Huskamp HA. Implementation of Medicare Part D and non-drug medical spending for elderly beneficiaries with limited prior drug coverage. *JAMA* 2011;306(4):402-409.
13. **McWilliams JM**, Afendulis CC, McGuire TG, Landon BE. Complex Medicare Advantage choices may overwhelm seniors --- especially those with impaired decision making. *Health Aff (Millwood)* 2011;30:1786-94.
14. Nishi A, **McWilliams JM**, Noguchi H, Hashimoto H, Tamiya N, Kawachi I. Health gains from lower patient cost sharing: Japan's health insurance natural experiment. *Bull World Health Organ* 2012 (in press).

Other Peer-Reviewed Publications

1. **McWilliams JM**. Health consequences of uninsurance among adults in the United States: recent evidence and implications. *Milbank Q* 2009;87:443-94.

2. Ayanian JZ, Meara E, **McWilliams JM**. Potential enhancements to data on health insurance, health services, and Medicare in the Health and Retirement Study. *Forum for Health Economics & Policy* 2011;14(3): Article 3.

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

Letters to the Editor

1. **McWilliams JM**, Meara E, Zaslavsky AM, Ayanian JZ. In response: Would insuring near-elderly persons reduce Medicare spending in patients age 65 years or older? *Ann Intern Med* 2010;152:477.

Narrative Report

I am an assistant professor of health care policy and medicine at Harvard Medical School and Brigham and Women's Hospital, where I devote 80% of my effort to conducting health services research and 20% to practicing general internal medicine and teaching medicine residents, medical students, and graduate students.

Substantively, my research focuses on access to care, quality of care, health disparities, and health care spending for aging adults with chronic conditions. I am currently the recipient of a Paul B. Beeson Career Development Award in Aging Research, sponsored by the National Institute on Aging and the American Federation on Aging Research, and the recipient of a Clinical Scientist Development Award from the Doris Duke Charitable Foundation. With support from these awards, I am currently examining 4 key policy-relevant areas of the Medicare program: the influence of cognitive functioning on enrollment decisions by beneficiaries; the effects of risk-adjusted payments on risk selection by Medicare Advantage plans; the influence of structural integration among providers on quality and costs of care; and the effects of Medicare prescription drug coverage (Part D) on potentially avoidable hospitalizations and non-drug Medicare spending. The overarching goal of my current research is to inform the development of policies to improve the value of care delivered to the Medicare population.

In prior research, I have studied the effects of Medicare coverage on health outcomes and health services for previously uninsured adults, the effects of Medicare on disparities in control of cardiovascular disease and diabetes, recent trends in racial, ethnic and socioeconomic disparities in disease control, the association between uninsurance before age 65 and Medicare spending after age 65, and the association between insurance coverage and mortality among near-elderly adults.

Methodologically, I have also developed expertise and interest in the use of quasi-experimental study designs to analyze observational data more rigorously, having concentrated in evaluative science and statistics in my doctoral training.

In addition to my research, I am a board-certified general internist at Brigham and Women's Hospital, where I continue to provide longitudinal primary care to a panel of approximately 300 patients. My clinical work motivates many of my research interests, as it provides valuable insights into the complex needs of chronically ill and disadvantaged patients and the challenges to providing high-quality care in our current health care system. I am active in teaching internal medicine residents and medical students as a primary care preceptor and attending physician on the inpatient general medicine services, including the intensive teaching unit. In addition, I teach pre-clinical medical students as a tutorial leader and lecturer in the introductory health policy course, and I teach graduate students in the evaluative science

and statistics track of the Health Policy PhD program at Harvard. Finally, I mentor undergraduate, graduate, and medical students and research fellows in their independent research activities.