

Curriculum Vitae
VA Pittsburgh Healthcare System and University of Pittsburgh School of Medicine

BIOGRAPHICAL

Name: Walid F. Gellad
Business Address: VA Pittsburgh Healthcare System
Center for Health Equity Research and Promotion
7180 Highland Drive (151C-H)
Pittsburgh, PA 15206

EDUCATION and TRAINING

UNDERGRADUATE/GRADUATE:

| | | |
|-----------|--|-------------|
| 1993-1997 | Swarthmore College, Swarthmore, PA | B.A./ 1997 |
| 1997-2002 | University of Maryland School of Medicine, Baltimore, MD | M.D./2002 |
| 2005-2007 | Harvard School of Public Health, Boston, MA | M.P.H./2007 |

POSTGRADUATE:

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|-------------|---|------------------------|
| 2002 – 2005 | Brigham & Women’s Hospital, Boston, MA | Intern/Resident |
| 2005 – 2007 | Harvard Faculty Development and Fellowship Program, Brigham & Women’s Hospital, Boston, MA | Fellow |
| 2007 – 2008 | Brigham & Women’s Hospital, Boston, MA | Chief Medical Resident |

APPOINTMENTS and POSITIONS

ACADEMIC:

| | | |
|----------------|--|--|
| 2002 - 2007 | Harvard Medical School, Boston, MA | Clinical Fellow in Medicine |
| 2007 – 2008 | Harvard Medical School, Boston, MA | Instructor in Medicine |
| 2008 – Present | University of Pittsburgh School of Medicine, Pittsburgh, PA | Assistant Professor of Medicine |
| 2009 – Present | University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA (secondary appointment) | Assistant Professor of Health Policy and Management |

NON-ACADEMIC:

| | | |
|----------------|--|-----------------------------|
| 2005 – 2008 | Brigham & Women’s Hospital, Boston, MA | Attending Physician |
| 2006 – 2008 | Dana-Farber Cancer Institute | Consulting Staff |
| 2008 – Present | RAND Corporation, Pittsburgh, PA | Associate Natural Scientist |
| 2008 – Present | Center for Health Equity Research and Promotion, VA Pittsburgh Healthcare System Pittsburgh, PA | Core Investigator |
| 2008 – Present | Primary Care Service Line, VA Pittsburgh Healthcare System, Pittsburgh, PA | Staff Physician |
| 2009 – Present | Center for Research on Health Care | Core Faculty |

CERTIFICATION AND LICENSURE

SPECIALTY CERTIFICATION:

| Certifying Board | Year |
|-------------------------------------|-------------|
| American Board of Internal Medicine | 2005 |

MEDICAL or OTHER PROFESSIONAL

| Certifying Board | Year |
|---|-------------|
| Commonwealth of Massachusetts Board of Registration in Medicine | 2004 |
| Pennsylvania State Board of Medicine | 2008 |

MEMBERSHIPS in PROFESSIONAL and SCIENTIFIC SOCIETIES

| Organization | Year |
|--------------------------------------|-------------|
| Alpha Omega Alpha | 2001 |
| New York Academy of Medicine | 2003 |
| Massachusetts Medical Society | 2003 |
| Society of General Internal Medicine | 2004 |
| AcademyHealth | 2009 |

HONORS

| Title of Award | Year |
|---|-------------|
| Alpha Omega Alpha, Junior Year (AOA) | 2001 |
| <i>Summa cum laude</i> , University of Maryland School of Medicine | 2002 |
| Faculty Gold Medal for Outstanding Qualifications for the Practice of Medicine, University of Maryland School of Medicine | 2002 |
| Theodore Woodward Prize in Internal Medicine, University of Maryland School of Medicine | 2002 |
| Rated as a Top Reviewer, <i>Annals of Internal Medicine</i> | 2008 |
| Outstanding Reviewer, <i>Pharmacoepidemiology and Drug Safety</i> | 2010 |

PROFESSIONAL ACTIVITIES

TEACHING/CONTINUING EDUCATION

| | |
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| Physician Preceptor, Massachusetts College of Pharmacy and Health Sciences | 2004 |
| Instructor, Patient-Doctor I, Harvard Medical School | 2005-2007 |
| Attending, General Medical Service, Brigham and Women's Hospital | 2005-2008 |
| Chief Resident in Internal Medicine (supervision of 180 medical residents) | 2007-2008 |
| Faculty Member, Harvard Intensive Review of Internal Medicine | 2008 |
| Faculty Member, Harvard Intensive Review of Internal Medicine | 2009 |
| Attending, General Medical Service, VA Pittsburgh | 2009- |

NAMES OF ADVISEES OR TRAINEES AND CURRENT POSITIONS

| | | |
|------------------|---------|-----------|
| (b) (6), PhD | (b) (6) | 2008-2010 |
| (b) (6), PharmD | (b) (6) | 2010-2011 |
| (b) (6), RN, MSN | (b) (6) | 2011- |

**RESEARCH
Current Grant Support**

| Grant Number | Grant Title | Role and Percent Effort | Years Inclusive | Source |
|--------------|--|---------------------------------|-----------------|--|
| (b) (4) | | | | |
| CDA 09-207-1 | Addressing Regional Variation in Drug Prescribing and Spending in the VA | PI 75% | 2010-2015 | HSR&D Career Development Award |
| N/A | Health System Predictors of Generic Drug Use in Medicare Part D | Co-Investigator (RAND PI) 4% | 2011-2012 | RUPHI CTSI Comparative Effectiveness Pilot Program |
| N/A | Regional Variation in Prescription Use in Diabetes | PI 10% (CDA effort) | 2010-2012 | VA VISN 4 Competitive Pilot Project |
| N/A | Understanding Facility-Level Variation in Drug Formulary Management | PI 10% (CDA effort) | 2010-2011 | CHERP Pilot Fund |

LECTURES BY INVITATION

| Month/Year | Title | Location |
|------------|---|---|
| Dec. 2008 | “Prescription Drug Policy and Access to Medications for the Elderly” | Department of Ambulatory Care and Prevention, Harvard Pilgrim Health Care and Harvard Medical School, Boston, MA |
| Oct. 2009 | “Regional Variation in Prescription Spending” | University of Pittsburgh Center for Research on Health Care Research Development Seminar, Pittsburgh, PA |
| July 2009 | Invited Participant: Prescription for Healthier Patients – Real Solutions for Better Medication Adherence | Policy Conference convened by the National Consumers League, National Association of Chain Drug Stores Foundation, GSK, and PhRMA, Washington, DC |

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| Sept. 2009 | “Variation in Prescription Drug Use and Spending in the VA (and what that means for value)” | Dartmouth Institute for Health Policy and Clinical Practice Conference at the Minary Center, Holderness, NH |
| Jan. 2010 | “Medication Adherence: Detecting and Fixing Adherence Problems” | University of Pittsburgh Dept of Epidemiology, “Introduction to Pharmacoepidemiology,” Pittsburgh, PA |
| Mar. 2010 | “Regional Variation in Prescription Spending” | University of Pittsburgh, Carnegie Mellon, and RAND Current Topics in Health Policy and Economics Seminar Series, Pittsburgh, PA |
| Feb. 2011 | “Medication Adherence: Detecting and Fixing Adherence Problems” | University of Pittsburgh Dept of Epidemiology, “Introduction to Pharmacoepidemiology,” Pittsburgh, PA |
| Feb. 2011 | “Regional Variation in Prescribing” | University of Pittsburgh Dept of Epidemiology, “Introduction to Pharmacoepidemiology,” Pittsburgh, PA |
| Sept. 2011 | “Antipsychotic Use in VA Nursing Homes” | VA Pittsburgh Geriatric Research, Education and Clinical Center (GRECC) Conference, Pittsburgh, PA |
| Oct. 2011 | “A Comparison of Joint Replacement Disparities in VA and Non-VA Settings” | VA HSR&D Cyber Seminar (Nationally Viewed Within VA) |
| Oct. 2011 | Invited Keynote Address “Optimizing Patient Adherence: Solutions that Work” | Second Annual University of Chicago Pritzker School of Medicine Comprehensive Review of the Management of Hypertension, Chicago, IL. |

CONFERENCE PRESENTATIONS

| Year | Title | Meeting/Conference/Location |
|-------------|---|---|
| 2005 | Panel Member: Strategies to Control Prescription Drug Expenditures | AcademyHealth Annual Meeting, Boston, MA |
| 2006 | Oral Presentation, “Race and Non-Adherence to Prescription Medications Among Seniors: Results of a National Survey” | Society of General Internal Medicine Annual Meeting, Los Angeles, CA |
| 2006 | Panel Member: Medicare- Impact of Different Payment & Coverage Policies on Utilization & Outcomes | AcademyHealth Annual Meeting, Seattle, WA |
| 2007 | Oral Presentation, “What if the Federal Supply Schedule Set Pharmaceutical Prices for Seniors” | International Society for Pharmacoeconomics and Outcomes Research Annual Meeting, Arlington, VA |

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| 2010 | Oral Presentation, “Use of Angiotensin Receptor Blockers in the VA, 2000-2009: Why So Much Variation” | Society of General Internal Medicine Annual Meeting, Minneapolis, MN. |
| 2010 | Panel Chair: “Prescribing Efficiently and Safely: Quality of Care for Prescription Drugs.” | AcademyHealth Annual Meeting, Boston, MA. |
| 2010 | Oral Presentation, “Use of Angiotensin Receptor Blockers in the VA, 2000-2009: Why So Much Variation” | AcademyHealth Annual Meeting, Boston, MA. |
| 2011 | Oral Presentation, “Antipsychotic Prescribing in Older Veterans Administration Nursing Home Patients” | VA HSR&D Annual Meeting, Washington, DC. |
| 2011 | Oral Presentation “Variation in Prescription Use among Patients with Diabetes in the VA Healthcare System” | Society of General Internal Medicine Annual Meeting, Phoenix, AZ. |
| 2011 | Oral Presentation, “Trends in the Financial Burden of Prescription Drugs Among the Non-Elderly, 1997-2008” | AcademyHealth Annual Meeting, Seattle, WA. |

EDITORIAL BOARD

2007 – 2011 Associate Editor, Journal of Clinical Outcomes Management
2011- American Health and Drug Benefits

AD-HOC REVIEWER FOR REFEREED JOURNALS

Annals of Internal Medicine
American Journal of Geriatric Pharmacotherapy
American Journal of Managed Care
Circulation
Clinical Therapeutics
Drugs & Aging
Health Affairs
Health Services Research
Journal of General Internal Medicine
Journal of Health Politics, Policy and Law
Medical Care
Pharmacoepidemiology & Drug Safety

REVIEWER FOR CONFERENCE ABSTRACTS

VA HSR&D National Meeting (2009, 2010, 2012)
SGIM National Meeting (2009, 2010, 2012)
SGIM Mid-Atlantic Annual Meeting (2011, 2012)
AcademyHealth Annual Research Meeting (2011, 2012)

SERVICE

Hospital Committee Assignments

| | | |
|---------------------------------|----------------------------|-----------|
| Housestaff Curriculum Committee | Brigham & Women's Hospital | 2003 |
| Intern Selection Committee | Brigham & Women's Hospital | 2007-2008 |
| Chair, M&M Committee | Brigham & Women's Hospital | 2007-2008 |
| Chair, Journal Club Committee | Brigham & Women's Hospital | 2007-2008 |

University and Medical School

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|------------------------------|----------------------------|-------|
| Intern Applicant Interviewer | Brigham & Women's Hospital | 2008 |
| Intern Applicant Interviewer | University of Pittsburgh | 2010- |

National Committee Assignments

| | | |
|-----------------------|--------------------------------------|-----------|
| Development Committee | Society of General Internal Medicine | 2005-2007 |
|-----------------------|--------------------------------------|-----------|

Federal Government Committee Assignments

| | | |
|--|------------------------------------|-----------|
| Advisory Committee on Nonprescription Drugs | Food and Drug Administration (FDA) | 2009-2010 |
| Drug Safety Oversight Board (Alternate Member) | FDA | 2009- |
| Advisory Committee on Nonprescription Drugs | FDA | 2011- |

BIBLIOGRAPHY

PEER REVIEWED JOURNALS

- 1 Miyamoto RC, Parikh SR, Gellad W, Licameli G. Bilateral Congenital Vocal Cord Paralysis: A 16-Year Institutional Review. *Otolaryngol Head Neck Surg.* 2005; 133(2):241-245.
- 2 Gellad WF, Huskamp HA, Phillips KA, Haas JS. How the New Medicare Drug Benefit Could Affect Vulnerable Populations. *Health Aff (Millwood)* 2006; 25(1): 248-255.
- 3 Gellad WF, Huskamp HA, Phillips KA, Haas JS. Angiotensin Receptor Blockers on the Formularies of Medicare Drug Plans. *J Gen Intern Med* 2007; 22(8):1172-1175.
- 4 McNeese M, Lyon C, Gellad WF, Alban J, Black-Langenau C. The Use of Traditional Chinese Medicine and Western Medicine at an Urban Community Health Center. *Osteopathic Family Physician News* Oct 2007; 7(9): 15-18.
- 5 Gellad WF, Haas JS, Safran DG. Race/Ethnicity and Nonadherence to Prescription Medications Among Seniors: Results of a National Study. *J Gen Intern Med* 2007; 22(11): 1572-1578.
- 6 Gellad WF, Schneeweiss S, Brawarsky P, Lipsitz S, Haas JS. What if the Federal Government Negotiated Pharmaceutical Prices for Seniors? An Estimate of National Savings. *J Gen Intern Med* 2008; 23(9): 1435-1440.
- 7 Gellad WF, Choudhry NK, Friedberg MW, Brookhart MA, Haas JS, Shrank WH. Variation in Drug Prices at Pharmacies: Are Prices Higher in Poorer Areas? *Health Services Research* 2009; 44(2):606-617.
- 8 Gellad WF, Detsky AS, Choudhry NK. Buyer beware: The implications of recent clinical trials on pay-for-performance. *American Journal of Health-System Pharmacy* 2009 May 1; 66(9):864-867.
- 9 Marcum ZA, Handler SM, Boyce R, Gellad W, Hanlon JT. Medication Misadventures in the Elderly: A Year in Review. *Am J Geriatric Pharmacotherapy.* 2010 Feb;8(1):77-83.

- 10 Donohue JM, Zhang Z, Lave JR, Gellad WF, Men A, Perera S, Hanlon JT. The Medicare Drug Benefit (Part D) and Treatment of Heart Failure in Older Adults. *Am Heart Journal*. 2010 July; 160(1):159-65.
- 11 Gellad WF, Lowe JC, Good CB, Donohue JM. Variation in Prescription Use and Spending for Lipid-lowering and Diabetes Medications in the VA Healthcare System. *Am Journal Managed Care*. 2010. 16(10):741-50. PMID: 20964470.
- 12 Zhang Y, Donohue JM, Lave JR, Gellad WF. The Impact of Medicare Part D on Medication Treatment of Hypertension. *Health Services Research*. 2011. 46:185-98. PMID: PMC3034269
- 13 Gellad WF, Grenard JL, Marcum ZA. A Systematic Review of Barriers to Medication Adherence in the Elderly: Looking Beyond Cost and Regimen Complexity. *Am J Geriatr Pharmacother*. 2011. 9(1):11-23. PMID: PMC3084587.
- 14 Zhang Y, Zhou L, Gellad WF. Potential Savings from Greater Use of \$4 Generic Drugs. *Archives of Internal Medicine (Research Letter)*. 2011. March 14; 171(5):468-9.
- 15 Grenard JL, Munjas BA, Adams JL, Suttorp M, Maglione M, McGlynn EA, Gellad WF. Depression and Medication Adherence in the Treatment of Chronic Diseases in the United States: A Meta-Analysis. *J Gen Intern Med* 2011; 26(10):1175-1182.
- 16 Gellad WF, Huskamp HA, Li A, Zhang Y, Safran DG, Donohue JM. Use of Prescription Drug Samples and Patient Assistance Programs, and the Role of Doctor-Patient Communication. *J Gen Intern Med*. 2011. In Press.
- 17 Marcum ZA, Gellad WF. Medication Adherence to Multi-Drug Regimens. *Clinics in Geriatric Medicine*. 2012. In Press. (Invited Review, Corresponding Author).
- 18 Natarajan S, Lipsitz SR, Fitzmaurice GM, Sinha D, Ibrahim JG, Haas J, Gellad W. An Extension of the Wilcoxon Rank-Sum test for Complex Sample Survey Data. *J R Stat Soc (Applied Statistics)*. In Press
- 19 Donohue JM, Morden N, Gellad WF, Bynum J, Hanlon JT, Skinner J. Sources of Regional Variation in Medicare Part D Drug Spending. *N Engl J Med*. In Press
- 20 Zhang Y, Gellad WF, Zhou L, Lin, Y, Lave JR. Access to and Use of \$4 Generic Programs in Medicare. *J Gen Intern Med*. 2012. In Press.
- 21 Gellad WF, Donohue JM, Zhao X, Zhang Y, Banthin JS. The Financial Burden From Prescription Drugs Has Declined Recently For The Nonelderly, Although It's Still High For Many. *Health Affairs*. 2012. In Press.

REPORTS AND BOOK CHAPTERS

1. Gellad WF, Grenard J, McGlynn EA. A Review of Barriers to Medication Adherence: A Framework for Driving Policy Options. RAND Technical Report TR-765-MVC, October 2009.
2. Gellad WF, Maggard MA, Miake-Lye IM, Shekelle PS. A Comparison of Joint Replacement Disparities in VA and Non-VA Settings: A Systematic Review. VA-ESP Project #05-226; 2011.

LETTERS AND EDITORIALS

1. Gellad WF, Good CB. Angiotensin Receptor Blockers (ARBs). Canadian Medical Association Journal (CMAJ). 2011. April 19; 183 (7):826. (Letter)
2. Gellad WF. When More is Almost Always Better. American Health and Drug Benefits. 2011. March/April; 4(2): 99-100. (Invited Perspective)
3. Zhang Y, Zhou L, Gellad WF. The True Cost of Discounted Medication Programs--Reply. Archives of Internal Medicine. 2011. Sept 26; 171 (17):1595-1596. (Letter-Reply)
4. Gellad WF. What Certification Really Means for Physician Quality. American Health and Drug Benefits. 2011. Nov/Dec. In press. (Invited Perspective)

PUBLISHED ABSTRACTS

- 1 Gellad WF, Schneeweiss S, Brawarsky P, Lipsitz S, Haas JS. What if the Federal Supply Schedule Set Pharmaceutical Prices for Seniors? An Estimate of National Savings. Value in Health May/June 2007; 10(3):A3-A4.
- 2 Gellad WF, Lowe JC, Good CB. Variation in Prescription Drug Spending in the VA Healthcare System and the Relationship to Quality. J Gen Intern Med 2009; 24 (Supplement 1): S213.
- 3 Donohue JM, Huskamp H, Zhang Y, Safran DG, Gellad WF. Use of Free Medicine Samples, Doctor Patient Communication, and Cost-Related Non-Adherence Among Older Adults. Value in Health 2009; 12(7).
- 4 Donohue JM, Zhang Y, Lave J, Gellad WF, Perera S, Men A, Hanlon J. Impact of Expanding Pharmacy Benefits On Treatment of Congestive Heart Failure: The Case of Medicare Part D. Value in Health 2009; 12(7).
- 5 Zhang Y, Zhou L, Gellad W. Potential savings from broad use of \$4 generic drugs: 2007 Medical Expenditure Panel Survey. Value in Health 2010; 13(3).
- 6 Gellad WF, Donohue J, Good CB, Lowe J. Use of Angiotensin Receptor Blockers in the VA, 2000-2009: Why So Much Variation? J Gen Intern Med 2010; 25 (Supplement 3): S421.
- 7 Gellad WF, Mor M, Xinhua Z, Donohue J, Good CB, Fine MJ. Variation in Prescription Use among Patients with Diabetes in the VA Healthcare System. J Gen Intern Med 2011; (Supplement 1): S256
- 8 Gellad WF, Wang X, Handler S, Aspinall S, Stone R, Castle N, Semla T, Good CB, Fine MJ, Dysken M, Hanlon J. Antipsychotic Prescribing in Older Veterans Administration Nursing Home Patients. J Gen Intern Med 2011; (Supplement 1): S173.
- 9 Gellad WF, Donohue JM, Zhao X, Banthin JS. Trends in the Financial Burden of Prescription Drugs Among the Non-Elderly, 1999-2007. J Gen Intern Med 2011; (Supplement 1): S96.