

**Rachel M. Werner, M.D., Ph.D.**

Curriculum Vitae

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**Office Address:** Center for Health Equity Research  
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**Education:**

1988-1992	B.A.	Macalester College, St. Paul, Minnesota
1994-1998	M.D.	University of Pennsylvania School of Medicine
2001-2004	Ph.D.	Department of Health Care Systems, The Wharton School, University of Pennsylvania

**Postgraduate Training and Fellowship Appointments:**

1998-1999	Intern in Internal Medicine Hospital of the University of Pennsylvania
1999-2001	Resident in Internal Medicine Hospital of the University of Pennsylvania
2001-2004	Fellow, Division of General Internal Medicine Hospital of the University of Pennsylvania

**Academic Appointments:**

2005-	Assistant Professor of Medicine, Department of Medicine University of Pennsylvania School of Medicine
2005-	Core Faculty Member, Philadelphia VAMC Center for Health Equity Research and Promotion
2005-	Senior Fellow, The Leonard Davis Institute of Health Economics University of Pennsylvania
2005-	Fellow, Institute on Aging University of Pennsylvania School of Medicine

**Clinical Appointment:**

2005-	Attending Physician Veteran Affairs Medical Center, Philadelphia, PA
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Clinical and Teaching Responsibilities:

General Medicine Inpatient Ward Attending (1 month/year)  
General Medicine Inpatient Consult Service Attending (1 month/year)  
Primary Care Outpatient Clinic (1 session/week)

Specialty Certification:

2001 American Board of Internal Medicine

Licensure:

1998- Pennsylvania

Awards, Honors, and Membership in Honorary Societies:

1992 Phi Beta Kappa  
1992 *Magna cum laude*, Macalester College  
2004 Bradley Fellow Research Award  
University of Pennsylvania Department of Medicine  
2005 AcademyHealth Dissertation Award  
2006 Austrian Award for Junior Faculty Research  
University of Pennsylvania Department of Medicine  
2006 Pharmaceutical Roundtable Award  
American Heart Association  
2007 Best Published Research Paper  
Society of General Internal Medicine  
2007 SGIM/ACGIM/ASP T. Franklin Williams Award in Geriatrics  
2008 John D. Thompson Prize for Young Investigators  
Association of University Programs in Health Administration  
2008 Most Outstanding abstract, AcademyHealth Annual Research Conference

Memberships in Professional and Scientific Societies:

National Societies:

AcademyHealth  
2007 Annual Research Meeting Abstract Reviewer  
American College of Physicians  
American Society of Health Economists  
2005 Scientific Committee  
Society of General Internal Medicine  
2006 Disparities/Unique Populations Workshop Selection Subcommittee  
2006 Health Policy Review Subcommittee  
2008 Quality of Care/Patient Safety Subcommittee, Co-chair  
2008 Best Research Paper of the Year Committee, Chair

International Societies:

International Health Economics Association  
2006 Scientific Committee

National Scientific Committees:

Diabetes Research and Training Center at the University of Chicago (ad hoc grant reviewer)

- 2007  
National Institutes of Health, Health Services Organization and Delivery Study Section (ad hoc reviewer)
- 2007-present  
National Institute of Aging, Program Project Review (ad hoc reviewer)
- 2008  
Robert Wood Johnson Foundation (ad hoc grant reviewer)
- 2008

### **Major Teaching and Clinical Responsibilities:**

- 2005 – Primary care and consultative medicine outpatient clinic  
VA Medical Center, Philadelphia
- 2005 – Attending physician, general medicine ward and consultation service  
VA Medical Center, Philadelphia
- 2007 – Teaching faculty member  
Robert Wood Johnson Clinical Scholars Program, University of Pennsylvania
- 2007 – Program faculty  
Master of Science in Health Policy Research

### **Lectures by Invitation:**

- April, 2005 “The impact of quality report cards on health outcomes and racial disparities” for the Sloan Program in Health Administration, Cornell University, Ithaca, NY
- April, 2005 “Report cards for doctors.” *The Health Report*, Australian Broadcast Corporation Radio National. Australia.
- Nov., 2007 “Do report cards really improve patient outcomes?” American Society of Nephrology Clinical Guidelines Symposia, San Francisco, CA
- Nov., 2007 “The impact of public reporting on unreported quality of care.” Department of Health Studies, University of Chicago, Chicago, IL
- May, 2008 “Unintended consequences of pay-for-performance.” American Thoracic Society Pay-for-Performance Committee Meeting, Toronto, Ontario
- May, 2008 “Hospital report cards.” *Radio Times*, WHYY. Philadelphia, PA
- June, 2008 “Public reporting and racial disparities: what do we know?” AcademyHealth Policy Roundtable, Invited Panelist, Washington DC
- June, 2008 “The impact of public reporting on quality of post-acute care.” American Society of Health Economics, Invited Speaker, Durham, NC
- Oct., 2008 “The impact of public reporting on unreported quality of care.” Department of Health Policy, Mt. Sinai School of Medicine, New York, NY

**Other Presentations:**

- Werner RM, Mushlin AI. 1998. "Using estrogen to reduce serum cholesterol in post-menopausal women: a cost-effectiveness analysis," poster presented at the Society for Medical Decision Making Annual Meeting. Boston, MA.
- Werner RM, Pearson TA, Kafonek S, Chu H. 1999. "Hyperlipidemia in postmenopausal women: what is the role of estrogen replacement therapy?" poster presented at the American Heart Association Annual Meeting. New Orleans, LA
- Alexander GC, Werner RM, Fagerlin A, Ubel PA. 2001. "Gaming the system: public preferences that doctors play?" poster presented at the Society for General Internal Medicine annual meeting. San Diego, CA.
- Werner RM, Alexander GC, Fagerlin A, Ubel PA. 2001. "The 'hassle factor': how physicians respond when third party payers decline reimbursement for important health care services," poster presented at the Society for General Internal Medicine Annual Meeting. San Diego, CA.
- Werner RM. 2005. "Racial profiling: the unintended consequences of CABG report cards," poster presented at the Society for General Internal Medicine Annual Meeting. Chicago, IL.
- Werner RM. 2005. "Testing theories of discrimination in health care: Evidence from New York's CABG report card," poster presented at AcademyHealth Annual Meeting. Boston, MA.
- Werner RM. 2006. "The relationship between performance on quality indicators and mortality rates: results from Medicare's Hospital Compare report card," oral presentation at the Society of General Internal Medicine Annual Meeting. Los Angeles, CA.
- Werner RM. 2006. "The relationship between performance on quality indicators and mortality rates: results from Medicare's Hospital Compare report card," oral presentation at AcademyHealth Annual Meeting. Seattle, WA.
- Werner RM, Goldman LE, Dudley RA. 2008. "The impact of quality improvement incentives on quality of care and disparities at safety-net hospitals," oral presentation at plenary session at Society of General Internal Medicine Annual Meeting. Pittsburgh, PA.
- Werner RM, Konetzka RT, Kruse GB. 2008. "The impact of public reporting on unreported quality of care," oral presentation at AcademyHealth Annual Meeting. Washington, DC.
- Werner RM, Konetzka RT, Stuart E, Norton E. 2008. "The impact of public reporting on quality of post-acute care," oral presentation at AcademyHealth Annual Meeting. Washington, DC.
- Robinson E, Asch DA, Werner RM. 2008. "Effect of area-level factors on pay-for-performance hospital measures," oral presentation at AcademyHealth Annual Meeting. Washington, DC.
- Park J, Werner RM. 2008. "Nursing home quality and financial performance," oral presentation at American Society of Health Economists. Durham, NC.
- Park J, Werner RM. 2008. "Nursing home quality and financial performance," oral presentation at AcademyHealth Annual Meeting. Washington, DC.

**Organizing Roles in Scientific Meetings:**

- June 2006      Session Organizer and Session Chair, “Public reporting of health care quality: evaluating its role in quality improvement.” AcademyHealth Annual Research Meeting. Seattle, WA.
- June 2007      Session Chair, “Hospital Quality” AcademyHealth Annual Research Meeting. Orlando, FL.
- April 2008      Session Moderator, “Inpatient Quality/Hospital Medicine” Society of General Internal Medicine Annual Research Meeting. Pittsburgh, PA.

**Peer review:**

*Annals of Internal Medicine*  
*American Journal of Managed Care*  
*Archives of Internal Medicine*  
*Canadian Medical Association Journal*  
*Circulation*  
*Forum for Health Economics & Policy*  
*Health Affairs*  
*Health Services Research*  
*International Journal of Healthcare Finance and Economics*  
*JAMA*  
*Journal of General Internal Medicine*  
*Medical Care*  
*Medical Decision Making*  
*Medical Journal of Australia*  
*New England Journal of Medicine*

**University Academic Committees:**

- 2006-2008      Medical Student Research Prize Selection Committee  
2007-present    Institute on Aging Pilot Review Committee

**Grants:**

**Past grant support:**

Leonard Davis Institute of Health Economics. “CABG report cards and racial disparities.” 2003-2004; Werner Co-PI with MV Pauly; \$12,250 (direct).

Matthew Slap Research Award, University of Pennsylvania Division of General Internal Medicine. “Do physicians use race and socioeconomic status to risk stratify patients?” 2003-2004; Werner, PI; \$4,000 (direct).

Agency for Healthcare Research and Quality. Individual Post-doctoral National Research Service Award. 1-F32-HS14644-01. “The impact of CABG report cards on racial disparities.” 2004; Werner, PI; \$20,355 (direct).

McCabe Foundation Pilot Award, University of Pennsylvania. “Do report cards cause providers to select patients? Examining the case of nursing home report cards.” 7/2005-6/2006; Werner, PI; \$20,666 (direct).

Center for Health Equity Research and Promotion Competitive Pilot Research Program. “The impact of chronic disease burden on quality of care among veterans.” 1/2006-12/2006; Werner, PI; \$30,576 (direct).

Robert Wood Johnson Health and Society Scholars Program, University of Pennsylvania. “Neighborhood characteristics and surgical complications.” 4/2006-6/2007; Werner, PI; \$9,975 (direct).

American Heart Association Pharmaceutical Roundtable Award. “Do percutaneous coronary intervention (PCI) report cards improve quality of care for patients with heart disease?” 7/1/2006-6/30/2007; Werner, PI; \$136,364 (direct).

University Research Foundation, University of Pennsylvania. “Nursing home quality: Do nursing home report cards crowd out unmeasured quality?” 3/2006-8/2007; Werner, PI; \$49,950 (direct).

Leonard Davis Institute of Health Economics. “Measuring quality of care at the VA.” 7/2006-12/2007; Werner PI; \$19,964 (direct).

#### **Current grant support:**

Agency for Healthcare Research and Quality. 1 R01 HS016478-01 “The impact of public reporting on the quality of post-acute care.” 9/2006-9/2009; Werner, PI; \$600,679 (direct).

Department of Veterans Affairs. Health Services Research and Development Research Career Development Award. “The role of performance measurement in improving health care quality.” 7/1/2007-6/30/2010; Werner, PI; \$360,000 (direct).

SGIM/ACGIM/ASP T. Franklin Williams Award in Geriatrics. “Evaluating Performance Measurement in Older Clinically Complex Patients.” 7/1/2007-6/30/2009; Werner, PI; \$70,000 (direct).

Department of Veterans Affairs. IIR 06-196-2. Health Services Research and Development Merit Award. “The Influence of Obesity on Veteran’s Quality of Care.” 9/01/2007-8/31/2010; Werner, Co-Investigator; \$530,200 (direct).

Institute on Aging, University of Pennsylvania. “Nursing home pay-for-performance in state Medicaid programs.” 7/1/2008-6/30/2009; Werner, PI; \$50,000 (direct).

NHLBI. R01 HL088586-01 “Market competition and the quality of home health services.” 8/2008-7/2011; Werner, Co-Investigator; \$925,147 (direct).

#### **Pending grant support:**

NIH/NIA. R01 AG033075-01 “The impact of publicly reporting quality on disparities in nursing home care.” 7/1/2009-6/30/2011; Werner, co-PI; \$994,481 (direct).

NIH/NIA. R01AG034182-01 “Evaluating pay for performance and its design: evidence from nursing

homes.” 10/1/2009-9/30/2012; Werner, PI; \$1,075,480 (direct).

## **Bibliography:**

### **Peer-reviewed publications:**

1. Werner RM, Alexander GC, Fagerlin A, Ubel PA. The “hassle factor”: what motivates physicians to manipulate reimbursement rules? *Archives of Internal Medicine*. 2002;162:1134-1139.
2. Alexander GC, Werner RM, Fagerlin A, Ubel PA. Support for physician deception of insurance companies among a sample of Philadelphia residents. *Annals of Internal Medicine*. 2003;138:472-475.
3. Polsky D, Werner RM. The future of child neurology: a profile of child neurology residents. *Journal of Child Neurology*. 2004;19:6-13.
4. Werner RM, Polsky D. Strategies to attract medical students to the specialty of child neurology. *Pediatric Neurology*. 2004;30:35-38.
5. Alexander GC, Werner RM, Ubel PA. The costs of denying scarcity. *Archives of Internal Medicine*. 2004;164:593-596.
6. Werner RM, Alexander GC, Fagerlin A, Ubel PA. Lying to insurance companies: the desire to deceive among physicians and the public. *American Journal of Bioethics*. 2004;4:53-59.
7. Werner RM, Polsky D. Comparing the supply of pediatric subspecialists and child neurologists. *Journal of Pediatrics*. 2005;146:20-25.

Accompanying editorial: Fiser DH. Increasing utilization of general pediatricians and pediatric subspecialists: Can the workforce meet the need? *Journal of Pediatrics*. 2005;146:3-5.

8. Werner RM, Asch DA. The unintended consequences of publicly reporting quality information. *JAMA*. 2005;293:1239-1244.
9. Werner RM, Asch DA, Polsky D. Racial profiling: the unintended consequences of coronary artery bypass graft report cards. *Circulation*. 2005;111:1257-1263.
10. Werner RM, Bradlow ET. Relationship between Medicare’s Hospital Compare performance measures and mortality rates. *JAMA*. 2006;296:2694-2702. [Erratum in: *JAMA*. 2007;297:700]

Accompanying commentary: Horn, SD. Performance measures and clinical outcomes. *JAMA* 2006;296: 2731-2732.

11. Werner RM, Asch DA. Clinical concerns about clinical performance measurement. *Annals of Family Medicine* 2007;5:159-163.
12. Werner RM, Greenfield S, Fung C, Turner BJ. Measuring quality of care in patients with multiple clinical conditions: summary of a conference conducted by the Society of General Internal Medicine. *Journal of General Internal Medicine* 2007; 22:1206-1211.

13. Werner RM, Goldman LE, Dudley RA. Comparison of change in quality of care between safety-net and non-safety-net hospitals. *JAMA* 2008;299:2180-2187.
14. Werner RM, Bradlow ET, Asch DA. Does hospital performance on process measures directly measure high quality care or is it a marker of unmeasured care? *Health Services Research* 2008;43:1464-1484.

Accompanying editorial: Flood AB, Rosenberg M-C. Reflections on improving hospital performance. *Health Services Research*. 2008;43:1457-63.

15. Werner RM, Chang VW. The relationship between measured performance and satisfaction with care among clinically complex patients. *Journal of General Internal Medicine*. In Press.
16. Werner RM, Konetzka RT, Kruse GB. The impact of public reporting on unreported quality of care. *Health Services Research*. In Press.

#### **Manuscripts under review:**

1. Polsky D, Marcus SC, Werner RM. Malpractice premiums and the supply of obstetricians.
2. Robinson EJ, Asch DA, Werner RM. Can hospitals in poorer communities compete under pay-for-performance?
3. Konetzka RT, Werner RM. Disparities in long-term care: building equity into market-based reforms.
4. Popescu I, Werner RM, Vaughan-Sarrazin MS, Cram P. Characteristics and outcomes of America's lowest performing hospitals: an analysis of AMI hospital care in the US.
5. Werner RM, Bradlow EB. Does improving process performance improve overall quality? Changes in hospital performance and associated changes in outcomes
6. Werner RM, Konetzka RT, Stuart EA, Norton EC, Polsky D, Park J. The impact of public reporting on quality of post-acute care.
7. Park J, Werner RM. Changes in the relationship between nursing home financial performance and quality of care under public reporting.
8. Werner RM, Dudley RA. Making the "pay" in pay-for-performance matter: Design and implications of pay-for-performance payment strategies.

#### **Editorials, Reviews, and Chapters:**

1. Werner RM, Pearson TA. What's so passive about passive smoking? Secondhand smoke as a cause of atherosclerotic disease (editorial). *JAMA*. 1998;279:157-158.
2. Werner RM, Pearson TA. LDL-cholesterol: a risk factor for coronary artery disease—from epidemiology to clinical trials. *Canadian Journal of Cardiology*. 1998;14:3B-10B.

3. Werner RM, Asch DA. Examining the link between publicly reporting health care quality and quality improvement. In Clarke S, Oakley J. (eds.) *Informed Consent and Clinician Accountability: the Ethics of Auditing and Reporting Surgeon Performance*: Cambridge University Press. Cambridge, MA. 2007.

**Letters to the Editor:**

1. Siderowf AD, Werner RM. The EQ-5D—a generic quality of life measure—is a useful instrument to measure quality of life in patients with Parkinson’s disease. *Journal of Neurology, Neurosurgery, and Psychiatry*. 2001;70:817.
2. Werner RM, Polsky D. How to attract students to child neurology. *Pediatric Neurology*. 2004;31:308.
3. Werner RM, Asch DA. Publicly reporting quality information—reply. *JAMA*. 2005;293:3000-3001.
4. Werner RM, Bradlow ET. Medicare's Hospital Compare performance measures and mortality rates—reply. *JAMA*. 2007;297:1431.
5. Werner RM, Goldman LE, Dudley RA. Changes in quality of care at safety-net hospitals—reply. *JAMA*. 2008;300:1652.