

## MARK W. SMITH

### EDUCATION

Ph.D. economics, Yale University (1999)  
M.Ph. economics, Yale University (1995)  
M.A. economics, Yale University (1994)  
B.A. economics, Oberlin College (1990); with honors; awarded Hansen Prize and Comfort Starr Prize

### RESEARCH EMPLOYMENT

**Health Economics Resource Center,  
Veterans Affairs Palo Alto Health Care System** Menlo Park, CA  
Associate Director (2003-)  
Health Economist (2001-)

**The MEDSTAT Group** (now Thomson Reuters) Washington, DC  
Economist (1998-2001)

**Public Policy Institute of California** San Francisco, CA  
Intern (1997)

### PUBLICATIONS IN REFEREED JOURNALS

Ettner SL, Frank RG, Mark TL, Smith MW. Risk adjustment of capitation payments to behavioral health care carve-outs: how well do existing methodologies account for psychiatric disability? *Health Care Management Science* 2000;3(2):159-169.

Dubois R, Chawla A, Neslusan C, Smith MW, Wade S. Explaining drug spending trends: does perception match reality? *Health Affairs* 2000;19(2):231-239.

Goetzel RZ, Ozminkowski RJ, Cantor RI, Smith MW, Shaughnessy A, Harrison M. The impact of the Citibank, N.A. health management program on changes in employee health risks over time. *Journal of Occupational and Environmental Medicine* 2000;42(5):502-511.

Spetz J, Smith MW, Ennis S. Physician incentives and the timing of cesarean sections: evidence from California. *Medical Care* 2001;39(6):536-550.

Smith MW. Work and abuse among poor women: evidence from Washington State. *Research in Labor Economics* 2001;20:67-102.

Crystal-Peters J, Neslusan C, Smith MW, Togias A. Healthcare costs of allergic-rhinitis-associated conditions vary with allergy season. *Annals of Allergy, Asthma and Immunology* 2002;89(5):457-462.

Russo P, Smith MW, Dirani R, Namjoshi M, Tohen M. Pharmacotherapy patterns in the treatment of bipolar disorder. *Bipolar Disorders* 2002;4(6):366-377.

Crown WH, Olufade A, Smith MW, Nathan R. Seasonal versus perennial allergic rhinitis: drug and medical resource use patterns. *Value in Health* 2003; 6(4):448-456.

Smith MW, Barnett PG. Direct measurement of health care costs. *Medical Care Research and Review* 2003;60(3 Suppl):74-91.

Smith MW, Joseph G. Pharmacy data in the VA health care system. *Medical Care Research and Review* 2003;60(3 Suppl):92-123.

Chen S, Smith MW, Wagner TH, Barnett PG. Spending for mental health treatment in the Veterans Health Administration: 1997-2001. *Health Affairs* 2003;22(6):256-263.

Smith MW, Chen S. Current trends in outpatient pharmacy in VA specialized mental health treatment. *Psychiatric Services* 2004;55:315-317.

Russo PA, Smith MW, Namjoshi M. Expenditures in schizophrenia: a comparison of olanzapine and risperidone. *American Journal of Health-System Pharmacy* 2005;62(6): 610-615.

Smith MW, Schnurr PP, Rosenheck R. Employment outcomes and PTSD symptom severity. *Mental Health Services Research* 2005;7(2):89-102.

Palevsky PM, O'Connor T, Zhang JH, Star RA, Smith MW, for the VA/NIH ATN Study. Design of the VA/NIH Acute Renal Failure Trial Network (ATN) Study: Intensive versus Conventional Renal Support in Acute Renal Failure. *Clinical Trials* 2005;2(5):423-435.

Smith MW. Childhood abuse and welfare use. *Review of Economics of the Household* 2005;3(4):435-452.

VanVonno C, Ozminkowski RJ, Smith MW, Thomas EG, Kelley D, Goetzel R, Berg GD, Jain S, Walker D. What can a pilot congestive heart failure disease management program tell us about return on investment? A case study from a program offered to federal employees. *Disease Management* 2005;8(6):346-360.

Hoch J, Smith MW. A guide to economic evaluation: Methods for cost-effectiveness analysis of person-level data. *Journal of Traumatic Stress* 2006;19(6):787-798.

Wagner TH, Richardson SS, Vogel WB, Wing K, Smith MW. The cost of inpatient rehabilitation in VA: a comparison with community data. *Journal of Rehabilitation Research and Development* 2006;43(7):929-938.

McFall M, Saxon AJ, Thaneemit-Chen S, Smith MW, Joseph AM, Carmody TP, Beckham JC, Malte CA, Vertrees JE, Boardman KD Lavori PW. Integrating practice guidelines for smoking cessation into mental health care for post-traumatic stress disorder. *Clinical Trials* 2007;4(2):178-189.

Kimerling R, Gima K, Smith MW, Frayne SM. The VA health care system and military sexual trauma. *American Journal of Public Health* 2007;97:2160-2166.

Smith MW, Barnett GP. The role of economics in the QUERI program: QUERI Series. *Implementation Science* 2008;3:20.

Palevsky PP, Zhang JH, O'Connor TZ, Chertow GM, Crowley S, Choudhury D, Finkel K, Kellum JA, Paganini E, Schein RMH, Smith MW, Swanson K, Thompson BT, Vijayan A, Watnick S, Star RA, Peduzzi P. Intensity of renal support for acute kidney injury in the critically ill. *New England Journal of Medicine* 2008 July 3;359(1):7-20.

Kimerling R, Alvarez J, Pavao J, Mack K, Smith MW, Baumrind N. Unemployment among women: Examining the relationship of physical and psychological intimate partner violence and posttraumatic stress disorder. *Journal of Interpersonal Violence* 2008 May 5 (publication ahead of print).

Kimerling R, Street A, Gima K, Smith MW. Evaluation of universal screening for military-related sexual trauma. *Psychiatric Services* 2008;59(6):635-640.

### **TECHNICAL REPORTS**

Ozminkowski RJ, Smith MW, Coffey R, Mark TL, Neslusan C, Drabek J. Private Payers for Persons with Disabilities: Studies of Managed Care for Persons with Potentially Disabling Chronic Conditions in Private Sector Health Plans. Final report submitted to the Office of the Assistant Secretary for Policy and Evaluation, DHHS (contract # HHS-100-95-0044). January, 2000.

Smith MW, Coffey R, Das M, Marder W. Identifying Alternative Sampling Strategies for the National Ambulatory Medical Care Survey. Final report submitted to the National Center for Health Statistics (contract #HHS-100-97-0019). January, 2000.

Russo PA, Smith MW, Dirani R. Clinical Syndromes in Schizophrenia: Impact on Outpatient Utilization, Antipsychotic Drug Use Patterns, and Clinically Assessed Quality of Life. Report submitted to Eli Lilly and Company. October, 2002.

Smith MW, Barnett PG, Phibbs CS, Wagner TH, Yu W. Micro-cost Methods of Determining VA Health Care Costs. Menlo Park CA: Health Economics Resource Center, Health Services Research and Development Service, Dept. of Veterans Affairs. June, 2002. Revised 2003, 2004.

Smith MW, Velez JP. A Guide to Estimating Wages of VHA Employees. HERC Technical Report 12. Menlo Park, CA: Health Economics Resource Center, Health Services Research and Development Service, U.S. Dept. of Veterans Affairs. July, 2004. Updated 2007.

Smith MW, Richardson SS. Dialysis Treatment Use and Costs Reported in VA Administrative Databases. HERC Technical Report 17. Menlo Park, CA: Health Economics Resource Center, Cooperative Studies Program, U.S. Dept. of Veterans Affairs. March, 2005.

Smith MW, Chow A. Fee Basis Data: A Guide for Researchers. HERC Technical Report 18. Menlo Park, CA: Health Economics Resource Center, U.S. Dept. of Veterans Affairs. December, 2005. Updated 2006.

King SS, Shane AS, Smith MW. A Guide to Identifying Non-Veteran Records in the Inpatient and Outpatient Databases. HERC Technical Report 20. Menlo Park, CA: Health Economics Resource Center, U.S. Dept. of Veterans Affairs. September, 2006.

King SS, Smith MW. A Guide to Estimating Wages of VHA Employees: Supplement. HERC Technical Report 12 Supplement. Menlo Park, CA: Health Economics Resource Center, Health Services Research and Development Service, U.S. Dept. of Veterans Affairs. 2005. Updated 2006, 2007.

Smith MW, Phibbs CS, Su P. Matching Outpatient Prosthetics Order Records in the VA National Prosthetics Patient Database (NPPD) to Health Care Utilization Databases. HERC Technical Report 21. Menlo Park, CA: Health Economics Resource Center, U.S. Department of Veterans Affairs. October, 2007.

Smith MW, King SS. Comparing Outpatient Cost Data in the DSS National Pharmacy Extract and the Pharmacy Benefits Management V3.0 Database. HERC Technical Report 22. Menlo Park, CA: Health Economics Resource Center, U.S. Department of Veterans Affairs. October, 2007.

#### **SUBMITTED FOR PUBLICATIONS**

Kimerling R, Street A, Pavao J, Gima K, Smith MW, Cronkite R, Frayne S. Military sexual trauma in Veterans returning from Iraq and Afghanistan.

## NON-REFEREED PUBLICATIONS

### *Abstracts*

Russo P, Smith MW, Dirani R. An analysis of the impact of medication non-adherence and type of medication on outcome domains using the SCAP Health Questionnaire. *Value in Health* 2000;3(2):52.

Russo P, Smith MW, Dirani R. Schizophrenia Care and Assessment Program (SCAP): impact of clinical and functional status and type of medication treatment on outpatient psychiatric utilization. *Value in Health* 2000;3(2):53.

Russo P, Smith MW, Dirani R. Schizophrenia Care and Assessment Program (SCAP): The impact of clinical syndrome, antipsychotic medication treatment and adherence on outpatient psychiatric utilization. *Value in Health* 2001;4(2):143.

Russo P, Smith MW, Kirkpatrick B. Deficit syndrome and drug use patterns in community-based schizophrenia care. *Value in Health* 2001;4(2):144.

Ellis CN, Crystal-Peters J, Smith MW, Hong J, Neary M. A cost analysis of isotretinoin treatment for severe acne. *Journal of Investigative Dermatology* 2001;117(2):547.

Neary MP, Crystal-Peters J, Smith MW, Hong J, Ellis CN. Cost analysis of isotretinoin for treatment of severe recalcitrant nodular acne. *Value in Health* 2002;5(3):247.

Russo P, Smith MW. Quality of life in schizophrenia: the relationship between participant self-report and clinical assessment. *Value in Health* 2002;5(3):239.

### *HERC Web Pages*

What cost should I measure? (with PG Barnett)

How can I find the cost of employing a specific type of VA staff?

How do I estimate the cost of caregiver time?

How should patient-incurred costs be measured?

How should I measure the activities of staff involved in providing an intervention?

What can I do about missing data?

Pharmacy data in the VA healthcare system (with G Joseph)

How do I adjust for the effects of inflation? (with PG Barnett)

What is retransformation bias, and how can it be corrected? (with PG Barnett)

How can I use the VA Fee Basis files to find the cost of health care provided by private providers under contract with VA? (with PG Barnett).

What information is available about care provided to VA under contract?

Fee Basis files (with PG Barnett).

How can I collect cost data from non-VA providers?

*Other publications*

HERC to support QUERI economics (with A Shane). *HSR&D Research Briefs*  
2006 January.

**PRESENTATIONS (LAST 3 YEARS ONLY)**

Smith MW, Wagner TH, Barnett PG. Advances in VA utilization and cost data. Presented at the Dept. of Veterans Affairs Health Services Research and Development Service 23<sup>rd</sup> National Meeting. Arlington, VA. 2006.

Smith MW, Barnett PG, Shane A. Economics of QUERI: moving beyond CEA. Presented at the Center for Health Care Evaluation research seminar, Palo Alto VA Health Care System. Menlo Park, CA. 2006.

Smith MW, Barnett PG, Shane A. Economics of implementation research: moving beyond CEA. Presented at the American Society of Health Economists (ASHE) Inaugural Conference. Madison, WI. 2006.

Eighth Annual Seattle Epidemiology, Biostatistics & Clinical Research Methods Summer Session: Economic analysis of randomized trials and observations studies (4 presentations) (with TH Wagner). Seattle, WA. 2006.

Smith MW, Barnett PG, Phibbs CS. Estimating cost through the continuum of care. Presented at the Dept. of Veterans Affairs Health Services Research and Development Service 24<sup>th</sup> National Meeting. Arlington, VA. 2007.

Smith MW. Trends in VA mental health and substance abuse spending, FY03-FY06. Presented at the Center for Health Care Evaluation research seminar, Palo Alto VA Health Care System. Menlo Park, CA. 2007.

Smith MW, King SS. Comparing outpatient cost data in the DSS National Pharmacy Extract and the PBM Database. Presented at the Dept. of Veterans Affairs Health Services Research and Development Service 25<sup>th</sup> National Meeting. Baltimore, MD. 2008.

Smith MW, Lemke S, Schaefer J, Chow A, Ananth L. Nursing home patients with substance use disorders: implications for cost of care. Poster presented at the AcademyHealth research conference. Washington, DC. 2008.

Smith MW, Lemke S, Schaefer J, Chow A, Ananth L. Nursing home patients with substance use disorders: implications for cost of care. Presented at the American Society of Health Economists 2<sup>nd</sup> biennial conference. Durham, NC. 2008.

### **HERC COURSE AND SEMINAR PRESENTATIONS**

Micro-cost methods (with PG Barnett) 2003  
Pharmacy data in VA 2003  
Financial Management System (with PG Barnett) 2003  
Update on VA data sources (with L Ayyangar, PG Barnett, et al.) 2004  
VA economic data sets II: pharmacy, labor 2005  
VA economic data sets IV: NPPD, Fee Basis (with CS Phibbs) 2005  
The cost of rehabilitation care in the VA (with TH Wagner, et al.) 2005  
Advances in VA utilization and cost data (with TH Wagner, PG Barnett) 2006  
Economic analysis and implementation research (with PG Barnett) 2006  
Endogeneity and simultaneity 2007, 2008  
Assessing cost at each stage of care (with PG Barnett, CS Phibbs) 2007

### **PROFESSIONAL SERVICE**

#### *National VA Committees*

CSP Business Operations Division (member, 2006-)  
CSP Economics Division (member, 2006-)  
MOVE! Program Evaluation Working Group (member, 2006-)  
CIDER Cyber-Seminar Program Steering Committee (participant, 2005-)  
Mental Health QUERI, ReTIDES Steering Committee (chair, 2004-2008)  
QUERI Research and Methodology Committee (non-voting member, 2004-)  
CSP trial #519 Executive Committee (member, 2004-)  
CSP trial #530 Executive Committee (member, 2003-)  
METRIC Steering Committee (member, 2002-2006)

#### *Professional Societies & Others*

SAMHSA Spending Estimates Project, Technical Experts Panel (member, 2007-)  
Society for the Advancement of Violence and Injury Research (SAVIR) Science and  
Research Committee (member, 2007-)  
American Society of Health Economists Scientific Committee (member, 2006-)

#### *Teaching & Advising*

Faculty member, Seattle Epidemiology, Biostatistics, & Clinical Research Methods  
Summer Session (2005, 2006)  
Faculty advisor, Health Services Policy and Research Scholarly Concentration,  
Stanford Medical School (2003-)  
Faculty member, Health Economics course, VA Health Economics Resource Center  
(2003-)  
Faculty member, VA Cooperative Studies Program Randomized Clinical Trials  
Course (2003)

*Journal Service*

Editorial Board member, *Implementation Science* (2005-)

Referee: *Health Economics, Health Services Research, JAMA, Journal of General Internal Medicine, Journal of Studies on Alcohol, Research in Labor Economics, Journal of Traumatic Stress, Nicotine & Tobacco Research, Administration and Policy in Mental Health, Violence Against Women, The Appraisal Journal*

**PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS**

Associate, Center for Primary Care and Outcomes Research (PCOR) and Center for Health Policy (CHP), Stanford University  
American Economic Association (AEA)  
International Health Economics Association (iHEA) / American Society of Health Economists (ASHE)  
Society for the Advancement of Violence and Injury Research (SAVIR)