

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.  
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME <b>Walter F. Stewart, PhD, MPH</b>		POSITION TITLE <b>Associate Chief Research Officer</b>	
eRA COMMONS USER NAME WFStewart			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of California, Riverside	BS	1974	Psychology/Biology
University of California, Los Angeles	MPH	1977	Epidemiology
Johns Hopkins University	PhD	1983	Epidemiology

**A. Personal Statement**

Dr. Walter Stewart, Ph.D, M.P.H. is currently Associate Chief Research Officer for the Geisinger Health System and Director of the Geisinger Center for Health Research. He has extensive experience in epidemiology and health services research. The Center, which Dr. Stewart started in 2003, serves as a Research and Development (R & D) division with established collaborative ties to Geisinger's Innovation Team, Clinical Operations, the Geisinger Health Plan, and Geisinger Ventures. In its R & D role, the Center has developed core assets to facilitate translational research. Assets include a Research Information Technology (IT) Environment (i.e., testing innovative IT solutions), a web-based data capture platform to integrate patient reported data into the care process, a system-wide biobanking process, and an extensive GIS database, among others. Dr. Stewart's current research interests are focused on developing and testing scalable methods for translating clinical practice guidelines to point of encounter expert clinical decision support (CDS) (T2 translation) and the development and testing of system level solutions for re-engineering care processes (T3 translation). Dr. Stewart oversees research on: 1) novel uses of Health IT to integrate expert CDS in primary care for cardiovascular disease risk management, diabetes care, and management of common pain disorders (e.g., headache, back pain); 2) shared decision making; and 3) use of longitudinal electronic health record data for predictive modeling and comparative effectiveness research.

**B. Positions and Honors****Positions and Employment**

1983 - 1990 Assistant Professor of Epidemiology, Johns Hopkins University School of Public Health  
 1990 - 1995 Associate Professor of Epidemiology, Johns Hopkins University School of Public Health  
 1992 - 1995 Joint appointment, Department of Environmental Health Sciences, Division of Occupational Medicine, Johns Hopkins University School of Hygiene and Public Health  
 1995 - Adjunct Associate Professor of Epidemiology, Johns Hopkins University School of Public Health  
 1995 - 2000 President, Innovative Medical Research, Baltimore, MD  
 2000 - 2003 Vice-President, Research and Development, AdvancePCS, Baltimore, MD  
 2001- Adjunct Professor of Epidemiology, Johns Hopkins University Bloomberg School of Public Health  
 2002- Director, Center for Health Research, Geisinger Health Systems, Danville, PA  
 2005- Associate Chief Research Officer, Geisinger Health Systems, Danville, PA

**Recent National Committee Appointments and Editorial Boards**

2008- Editorial Board, Neuroepidemiology  
 2009 - Vice-Chairman, HMO Research Network  
 2009- AcademyHealth, Working Group member on HIT Data for Actionable Knowledge  
 2009 - IOM, Committee on Standards for Developing Trustworthy Clinical Practice Guidelines

**C. Selected peer-reviewed publications (selected from 250 peer-reviewed publications)**

**Most relevant to the current application**

**Stewart WF**, Shah NR, Selna MJ, Paulus RA, Walker JM. Bridging the Inferential Gap: The Electronic Health Record and Clinical Evidence. *Health Affairs* 2006, 26: w181-w191.

**Stewart, WF**, Shah NR. The Electronic Health Record: Bringing Evidence to Practice. In: The Learning Healthcare System: Workshop Summary. Institute of Medicine Roundtable on Evidence-Based Medicine. Washington, DC: The National Academies Press; 2007. pp 163-171.

Walker JM, Carayon P, Leveson N, Paulus RA, Tooker J, Chin H, Bothe A Jr, **Stewart WF**. EHR safety: the way forward to safe and effective systems. *J Am Med Inform Assoc.* 2008; 15(3):272-7.

Ayoub WT, Newman ED, Blosky MA, **Stewart WF**, Wood GC. Improving detection and treatment of osteoporosis: redesigning care using the electronic medical record and shared medical appointments. *Osteoporos Int.* 2008, 20:37-42.

Shah NR, Hirsch AG, Zacker C, Taylor S, Wood GC, **Stewart WF**. Factors associated with first-fill adherence rates for diabetic medications: a cohort study. *J Gen Intern Med.* 2009; 24:233-7

**Additional recent publications of importance to the field (in chronological order)**

Lipton RB, **Stewart WF**, Stone AM, Lainez MJA, Sawyer JPC. Stratified Care vs. Step Care Strategies for Migraine: the Disability in Strategies of Care (DISC) Study: A Randomized Trial . *JAMA* 284:2599-2605, 2000.

Thomas C, Wood GC, Langer RD, **Stewart WF**. Elevated blood pressure in primary care varies in relation to circadian and seasonal changes. *J Hum Hypertens.* 2008

Shah NR, Hirsch AG, Zacker C, Wood GC, Schoenthaler A, Ogedegbe G, **Stewart WF**. Predictors of first-fill adherence for patients with hypertension. *Am J Hypertens.* 2009; 22:392-6

Wood GC, Spahr R, Gerdes J, Daar ZS, Hutchison R, **Stewart WF**. Patient satisfaction and physician productivity: complementary or mutually exclusive? *Am J Med Qual.* 2009;24:498-504

Shah NR, Jones JB, **Stewart WF**. The Geisinger model: research is a core asset. *American Health & Drug Benefits* 2010 3(1 suppl 2): [in press].

**D. Research Support**

**Ongoing Research Support**

Stewart (Co-I)

Natural History of Stress, Urge and Mixed Urinary Incontinence in Women

NIH R01 DK082551

Project Period: 7/15/2009 - 6/30/2014

Total costs \$2,686,391

Stewart (PI)

AHRQ ACTION

08/01/07-12/31/10

Reducing Waste and Providing More Efficient Care Through Redesign of Delivery Processes

Stewart (PI)

Robert Wood Johnson

12/1/2008 – 11/30/10

Pediatric Obesity and the Built and Social Environment

Stewart (PI)

Glaxo-Smith Kline

7/19/2007 – 6/31/10

Migraine Management In Primary Care – Bridging the Gap Between Knowledge and Practice in Primary Care Management of Migraine

Stewart (PI)

Roche Diagnostics

11/30/2008-11/30/10

NT-proBNP and Other Biomarkers as Predictors of CHF Diagnosis in Primary Care