

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 Love, Thomas E.	POSITION TITLE Associate Professor, Department of Medicine and Department of Epidemiology and Biostatistics Director, Biostatistics and Evaluation Unit		
eRA COMMONS USER NAME TELOVE			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Columbia College, Columbia University, New York	A.B.	1988	Mathematics & Education
Teachers College, Columbia University	M. A.	1989	Mathematics Education
Teachers College, Columbia University	M. S.	1990	Mathematics Education
Wharton School, University of Pennsylvania	M. S.	1992	Statistics
Wharton School, University of Pennsylvania	Ph. D.	1994	Statistics

A. Personal Statement

Dr. Love will serve as co-investigator for this project. He will focus on refining the study design, interpreting analytic results, report and manuscript preparation. He has wide experience in developing multivariate statistical models across more than a dozen federally funded projects and over seventy published articles. He has given award-winning workshops on statistical methods for observational studies and cluster-randomized trials at clinical and statistical meetings, was 2010 Chair of the Health Policy Section of the American Statistical Association, and is co-chair of the 2011 International Conference on Health Policy Statistics. He is Associate Editor of two journals, *The American Statistician* and *Health Services & Outcomes Research Methodology*. He directs the Biostatistics and Evaluation Unit at the Center for Health Care Research and Policy, where he has collaborated with members of this project's team. He also directs the Data Management Center and chairs Information Management for the Better Health Greater Cleveland project.

B. Positions and Honors.

APPOINTMENTS

1994-2007 Assistant Professor, Department of Operations, Weatherhead School of Management, CWRU.
2001-2007 Assistant Professor, Department of Medicine, School of Medicine, CWRU
2001- Director, Biostatistics and Evaluation Unit. Center for Health Care Research & Policy.
2007- Associate Professor, Department of Medicine, School of Medicine, CWRU.
2009- Associate Professor, Department of Epidemiology and Biostatistics, CWRU.

HONORS

1991, 1994 Murray Prize for Excellence in Teaching (1991) and Bursk Prize for Outstanding Graduate Student (1994), Department of Statistics, The Wharton School.
1998-1999 Finalist for Outstanding Teaching Award, Weatherhead School of Management
2003, 2006 Outstanding Short Course (with RD Cebul and NV Dawson), Society for Medical Decision Making (Propensity Analysis – '03, Cluster Randomized Trials – '06)
2004 Best Educational Contribution Award, CWRU School of Medicine
2009 Outstanding Reviewer Award, *Journal of Educational & Behavioral Statistics*
2005, 2009, 2010 Scholarship in Teaching Award, CWRU School of Medicine

SELECTED SCHOLARLY SERVICE

2005- Associate Editor, *The American Statistician*
2006 Grant Reviewer, National Sciences & Engineering Research Council of Canada
2007 Synthesis Group Presenter (Propensity Methods), NCCAM Complexity Workshop
2007- Co-Director, Biostatistics Epidemiology & Research Design Core, Cleveland CTSC
2008 Member, NIH / NCCAM Special Study Section related to Observational Studies

SELECTED SCHOLARLY SERVICE (continued)

2010	Chair, Health Policy Statistics Section, American Statistical Association
2010	NIH / HSOD Study Section (Temporary Member)
2009-2011	Co-Chair, 9 th International Conference on Health Policy Statistics
2009-	Associate Editor, <i>Health Services Research and Outcomes Methodology</i>
2010-	Community Health Status Assessment, Cuyahoga County HIP Project
2011-	Design & Analysis Working Group, National COPTR Consortium

C. Selected peer-reviewed publications (Selected from over 70 peer-reviewed publications)

1. Murray PK **Love TE** Dawson NV Thomas CL Cebul RD Rehabilitation services after the implementation of the nursing home prospective payment system: differences related to patient and nursing home characteristics *Medical Care* 2005; 43: 1109-1115.
2. Ahmed A **Love TE** Sui X Rich MW Effects of angiotensin-converting enzyme inhibitors in systolic heart failure patients with chronic kidney disease: A propensity score analysis *J Card Fail* 2006; 12: 499-506.
3. Ahmed A Rich MW **Love TE** Lloyd-Jones DM Aban IB Colucci WS Adams KF Gheorghiade M Digoxin and reduction in mortality and hospitalization in heart failure: A comprehensive post hoc analysis of the DIG trial *Eur Heart J* 2006; 27: 178-186.
4. O'Connor A **Love TE** Propensity scores and observational research *Am J Med* 2006; 119: e15-6.
5. Bailit JL **Love TE** The role of race in cesarean rate case mix adjustment. *Am J Obstet Gynecol* 2008; 198(1): 69: e1-5.
6. **Love TE** Cebul RD Einstadter D Jain AK Miller H Harris CM Greco PJ Husak SS Dawson NV Electronic medical record-assisted design of a cluster-randomized trial to improve diabetes care and outcomes *J Gen Internal Med* 2008; 23(4): 383-391.
7. Sullivan C Sayre SS Leon JB Machezano R **Love TE** Porter D Marbury M Sehgal AR Impact of food additives on hyperphosphatemia among end-stage renal disease patients: A randomized controlled trial. *JAMA* 2009, 301: 629-635.
8. Ahmed MI Aronow WS Criqui MH Aban IB **Love TE** Eichhorn EJ Ahmed A Effects of peripheral arterial disease on outcomes in advanced chronic systolic heart failure: A propensity-matched study. *Circ Heart Failure* 2010, 3: 118-124.
9. Ahmed MI Lainščak M Mujib M **Love TE** Aban IB Pina IL Aronow WS Bittner V Ahmed A Gender-related dissociation in outcomes in chronic heart failure: Reduced mortality but similar hospitalization in women. *Int J Cardiology* 2011, 148: 36-42.
10. Banach M Bhatia V Feller MA Mujib M Desai RV Ahmed MI Guichard JL Aban I **Love TE** Aronow WS White M Deedwania P Fonarow G Ahmed A Relation of Baseline Systolic Blood Pressure and Long-Term Outcomes in Ambulatory Patients with Chronic Mild to Moderate Health Failure. *Am J Cardiology* 2011, 107:1208-14.
11. Filippatos GS Ahmed MI Gladden JD Mujib M Aban IB **Love TE** Sanders PW Pitt B Anker SD Ahmed A Hyperuricemia, chronic kidney disease, and outcomes in heart failure: Potential mechanistic insights from epidemiological data. *Eur Heart J* 2011, 32: 712-720.
12. Gheorghiade M Flaherty JD Fonarow GC Desai RV Lee R McGiffin D **Love TE** Aban IB Eichhorn EJ Bonow RO Ahmed A Coronary artery disease, coronary revascularization and outcomes in chronic advanced systolic heart failure. *Int J Cardiology* 2011, 151: 69-75.
13. Kvale E Ekundayo OJ Zhang Y Akhter S Aban IB **Love TE** Ritchie C Ahmed A A history of cancer and mortality in community-dwelling older adults. *Cancer Epidemiology* 2011, 35: 30-36.
14. Mujib M Rahman AZ Desai RV Ahmed MI Feller MA Aban IB **Love TE** White M Deedwania P Aronow WS Fonarow GC Ahmed A Warfarin use and outcomes in patients with advanced chronic systolic heart failure without atrial fibrillation, prior thromboembolic events or prosthetic valves. *Amer J Cardiology* 2011, 107: 552-557.
15. Sudano JJ Perzynski A **Love TE** Lewis SA Murray PM Huber GM Ruo B Baker DW Measuring Disparities: Bias in the Short Form-36v2 among Spanish-speaking Medical Patients. *Med Care* 2011; 49: 480-8.

D. Research Support.

RESEARCH SUPPORT – ACTIVE

Robert Wood Johnson Foundation (Cebul, PI)
Better Health Greater Cleveland 3.0

5/1/11-4/31/13

Goals: Competing renewal of RWJF support for Greater Cleveland's Aligning Forces for Quality initiative that will expand the program's measurement, reporting and improvement activities to include important utilization metrics and payment reform activities.

Role: Director, Data Management Center; Co-Chair, Information Management Committee

1U01HL103622 (Cuttler, Moore and Borawski, Co-PI)

07/01/10 - 06/30/17

COPTR: Targeting Obesity and Blood Pressure in Urban Youth

Goals: Childhood obesity, often associated with elevated blood pressure, causes morbidity and may cause early death. This research (a) assesses three behavioral approaches to treating obesity and reducing blood pressure in urban youth and (b) examines the influence of the school-community environment on the interventions' impact.

Role: Co-Investigator

KRR0244990A1 (Davis, PI)

09/17/07 - 05/31/12

NIH: Clinical and Translational Science Award (CTSA) (BERD)

Goals: The goal of the Cleveland CTSA is to establish a novel and academic home to train leaders for the nation's multidisciplinary clinical and translational sciences workforce.

Role: Co-Director, BERD Core (9/17/2007 to 12/31/2009, 9/1/2010 – present)

RC2-MD004760 (Clochesy, PI)

09/30/09 - 09/29/11

NIH: Electronic Self-Management Resource Training to Reduce Health Disparities (eSMART-HD)

Goals: The e-SMART avatar-based simulation intervention is designed specifically to help people from medically and socially disenfranchised groups to negotiate care more effectively, and more effectively self-manage their chronic illnesses.

Role: Biostatistician, Co-Investigator

RFA-DP07-70501SUPP09 (Katzan, PI)

09/01/09 – 08/31/12

CDC: Ohio Paul Coverdell Stroke Registry

Goals: Supplemental funding to pilot a 30 day follow-up process for stroke patients hospitalized in six of the 26 hospitals participating in the Ohio Coverdell Registry and to begin to determine what factors related to the Coverdell Registry are associated with improved outcomes after stroke

Role: Biostatistician

SELECTED RESEARCH SUPPORT – COMPLETED

Robert Wood Johnson Foundation (Cebul, PI)

05/01/08 - 04/30/11

Aligning Forces for Quality: Regional Project: Better Health Greater Cleveland

Overall goals: This project is a region-wide proposal to measure, report, and improve ambulatory care for chronic conditions (diabetes, heart failure, coronary heart disease, hypertension, and asthma).

Role: Director, Data Management Center; Co-Chair, Information Management Committee

Medicaid Technical Assistance and Policy Program (MEDTAPP) (Cebul, PI)
State of Ohio

07/1/08 -12/30/10

Safety Net Consortium to Improve Diabetes Care and Outcomes

Overall goals: This is a two-year community-wide observational investigation of regional safety net practices that is designed to activate diabetic patients and improve their care and outcomes.

Role: Biostatistician, Lead Analyst

WellPoint Foundationn

01/01/09 -12/31/10

Center for Community Solutions

Overall goals: This is a two year program in support of The Center for Community Solutions (CCS) under the umbrella organization for Aligning Forces for Quality: The Northeast Ohio Collaborative (AF4Q-NEO). Funding will assist capacity to obtain and analyze chronic illness data of Northeast Ohio populations at the level of the practice site.

Role: Biostatistician; Director, Analytic Team

K23 NS 45003

Katzan (PI)

2/1/03 - 1/31/10

NIH-NINDS

Predictors and Outcomes of Pneumonia after Stroke

Overall goals: The major goal of this study is for the candidate to learn methodologies related to assessing and analyzing stroke management in the community setting. Role: Biostatistician

1R01 CAH102828-03

Rose (PI)

09/01/03 – 08/31/08

NIH / NCI

Aging and Supportive Care in Advanced Cancer

Goal: To perform a randomized trial of coping and communication support for adult patients with incurable late-stage cancer. Role: Co-Investigator

Merit Review IIR 03-255-1

Rose (PI)

04/01/04 – 9/31/08

VA HSR&D

Aging and Family Outcomes in Supportive Care of Advanced Cancer Patients

Goal: To expand a coping and communication support intervention study to examine outcomes for family caregivers of middle-aged and older late-stage cancer patients in end-of-life care and in bereavement.

Role: Co-Investigator

K07 CA096705

Koroukian (PI)

09/01/03 – 08/31/08

NIH / NCI

Cancer-Related Disparities in the Elderly Population

Goal: Compare cancer-related outcomes (stage, treatment, and follow-up) for breast, prostate, or colorectal cancer, using linked Ohio Cancer Incidence Surveillance System, Medicare, and Medicaid files.

Role: Co-Mentor