

CURRICULUM VITAE (November 11, 2015)**PERSONAL INFORMATION**

Name: Barbara C. Tilley
 Place of Birth: San Rafael, California
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 E-mail: Barbara.C.Tilley@uth.tmc.edu

EDUCATIONAL EXPERIENCE

1981 Ph.D., Biometry
 University of Texas School of Public Health
 Houston, Texas
 1975 M.S. Biomathematics
 University of Washington
 Seattle, Washington
 1972 B.A., Mathematics
 California State University
 Northridge, California

PRIMARY APPOINTMENT

2009 – Present Professor and Department Chair of Biostatistics
 Lorne D. Bain Distinguished Professorship in Public Health and Medicine
 The University of Texas, Health Science Center at Houston,
 School of Public Health, Houston, Texas

ADDITIONAL APPOINTMENTS

2015 – 2018 National Institute on Aging Clinical Trials Advisory Panel
 2015 – 2018 NHLBI WHI Data and Safety Monitoring Committee
 2012 – present Steering Committee, NIAMS Multidisciplinary Research Center at MUSC
 2008 – present Data and Safety Monitoring Board member
 NHLBI Long Term Oxygen Treatment Trial (LOTT)
 To present Ad hoc reviewer for NIA, NINDS, NHLBI, DOD

PRIOR POSITIONS

2011 – 2015 NHLBI Clinical Trials Study Section member
 2014 Planning Committee for Minority Health and Health Disparities Grantees' Conference, Transdisciplinary Collaborations: Evolving Dimensions of US and Global Health Equity
 2011 – 2014 Stroke Thrombolysis Trialists' Collaboration member
 2012 – 2014 Parkinson Study Group Scientific Review Committee Member
 2011 – 2014 Resuscitation Outcomes Consortium Management Committee
 2010 – 2014 Data and Safety Monitoring Board member
 NHLBI Early 2 DSMB
 2005 – 2012 Data Safety Monitoring Board member
 NINDS Cetriaxone in ALS
 2008-2010 Data and Safety Monitoring Board member
 NHLBI Practice Based Opportunities for Weight Reduction (POWER) Trial

2004 – 2010 Data Safety Monitoring Board member
NIAMS Randomized Clinical Trial in Juvenile Fibromyalgia

2008 – 2009 Program Director (Biostatistics, Ethics)
Southeastern Clinical & Translational Research Institute (SECTR)

2004 - 2009 Data Safety Monitoring Board member
NINDS CREST Trial

2004 – 2009 Data and Safety Monitoring Board member
University of Alabama Birmingham TEAR trial

1999 - 2009 Department Chair, Biostatistics, Bioinformatics and Epidemiology
Medical University of South Carolina, Charleston, South Carolina

2004 – 2007 Board of Advisors
NCHS/Academy Health Fellowship

2003 – 2006 Observational Study Monitoring Board member
NIH NIAMS Osteoarthritis Initiative (OAI)

2003 – 2006 Advisory Committee member
University of North Carolina at Chapel Hill and Shaw University,
Carolina-Shaw Partnership for the Elimination of Health Disparities

2005 – 2006 Ad hoc reviewer
NIH NINDS (Career development awards, Udall Centers)

1999 – 2004 Consultant
FDA Advisory Committee on Arthritis

2001 – 2003 Advisory Committee member
Voorhees College, Center of Excellence in Rural and Minority Health,

2000 – 2001 Chair of Data and Safety Monitoring Committee
Aventis Studies of Riluzole in Parkinson Disease,

1997 – 2001 Data and Safety Monitoring Board member
NIH NIA, ACTIVE Trial

1997 – 2001 Health Care Quality and Effectiveness Research Study Section member
AHRQ

1997 – 2000 Data and Safety Monitoring Board member NIH NIAID,
Clinical Studies of Chronic Lyme Disease

1998 – 1999 Professor with tenure
Epidemiology and Biostatistics, Case Western Reserve University
Cleveland, Ohio

1997 – 1999 Department Chair, Biostatistics & Research Epidemiology
Henry Ford Health Sciences Center
Detroit, Michigan

1997 – 1999 External Review Committee
Kimmel Cancer Center’s Cancer Prevention and Control Science (CPCS)
Division

1996 – 1999 Chair of Data and Safety Monitoring Board
NIH NINDS, Women’s Estrogen for Stroke Trial (WEST)

1998 Early Detection Implementation Committee member
NIH NCI

1996 – 1998 FDA Advisory Committee on Arthritis

1994 – 1998 Director
Center for Medical Treatment Effectiveness Programs
In Diverse Populations and Resource Center on African American Aging
Research
Henry Ford Health System

Detroit, Michigan
 1992 – 1998 Data and Safety Monitoring Committee member
 NIH NCI, NSABP Breast Cancer Trial of Tamoxifen
 1986 – 1998 Research Scientist, Michigan Cancer Foundation
 1983 – 1997 Division Head, Biostatistics & Research Epidemiology
 Henry Ford Health Sciences Center
 Detroit, Michigan
 1988 – 1997 Adjunct Associate Professor,
 University of Michigan, Ann Arbor, Michigan
 1993 – 1996 Data Safety and Monitoring Board member
 NIH NHLBI, Raynaud's Treatment Study (RTS)
 1993 – 1995 National Osteoporosis Data Group (NODG)
 NIH NIAMS
 1991 – 1995 Clinical Trials Committee, NIH NHLBI
 1991 – 1992 Data and Safety Monitoring Board member, NIH NHLBI, Thrombolysis
 in Myocardial Ischemia (T3)
 1986 – 1992 Division of Cancer Biology and Diagnosis (DCBD) of the National Cancer Institute
 (NCI) Minnesota Colon Cancer Control Study Policy and Data Monitoring
 Group
 1991 Cervical Cytology Task Force member
 Michigan Department of Public Health
 1986 – 1989 Clinical Trials Committee
 NIH NCI
 1983 – 1987 Adjunct Assistant Professor
 University of Michigan
 Ann Arbor, Michigan
 1982 – 1983 Head of Clinical Biostatistics Intermedics
 Angelton, Texas
 1980 – 1982 Section Head, Cancer Prevention
 Assistant Professor, Biomathematics and Cancer Prevention
 University of Texas System Cancer Center
 M.D. Anderson Hospital and Tumor Institute, Division of Cancer Prevention
 1978 – 1983 Biostatistical Consultant
 National DESAD Project
 1980 – 1981 Biostatistical Consultant
 DES Mothers and Breast Cancer Study
 Dartmouth University
 1978 – 1980 Biostatistician
 Beta-Blocker Heart Attack Trial (BHAT) and Hypertension Detection and
 Follow- up Program (HDFP)
 University of Texas School of Public Health, Houston, Texas
 1978 – 1980 Faculty Associate
 University of Texas School of Public Health, Houston, Texas
 1976 – 1977 Statistical Consultant
 Evaluation and Finance Subcommittee
 Community Corrections Advisory Board
 Dodge, Fillmore and Olmsted Counties, Minnesota
 1974 – 1977 Biostatistician/Coordinator
 National DESAD Project
 Department of Medical Statistics and Epidemiology

1973 – 1974 Mayo Clinic and Mayo Foundation
 Rochester, Minnesota
 Biostatistical Consultant
 Child Development and Mental Retardation Center
 University of Washington
 Seattle, Washington

PROFESSIONAL ORGANIZATIONS

1990 – present Society for Clinical Trials
 Board of Directors (2004-2008)
 Nominating Committee Chair (2009)
 Nominating Committee Member (2010)

1978 – present Caucus for Women in Statistics
 President (1993)

1977 – present Biometric Society, ENAR
 Regional Advisory Board (1983-85)
 Regional Committee (1986-87)
 Secretary/Treasurer (1987-1989)
 President (1991)

1975 – present American Public Health Association
 Nominating Committee for Statistics Section (1983)
 Statistics Section Council (1986-88)
 Statistics Awards Committee (1986)
 Spiegelman Award Committee (1987-1989)
 Program Chair, Statistics Section (1990)
 President, Statistics Section (1991)

1972 – present American Statistical Association
 Program Chair, Biometric Section (1983)
 Biopharmaceutical Section Executive Committee (1984-86)
 Secretary, Biometrics Section, ASA (1986)
 Fellow (1992)
 Nominating Committee for ASA President (2011-2015)

2000 – present Movement Disorders Society

SERVICE TO UTH and UTH SPH at Houston

Current

2011-present Member, UT Comparative Effectiveness Research working group

2010-present Member, UTHHealth Consortium on Aging Advisory Committee

2009-present Member, SPH Executive Council

2010-present Division Head/Department Chair Working Group

2010-present Biostatistics Qualifying Examination Committee

2010-present Biostatistics Promotion and Tenure Committee

2010-2014 Search Committee for CCCT (for Professor/Associate Professor with expertise in
 Clinical Trials)

Past

2011 – 2012 UTHSC Teaching Awards Committee
 2011-2012 Member, UTSPH Committee on Faculty Diversity

OTHER SERVICE TO THE PROFESSION (NOT LISTED ABOVE)

Ad Hoc reviewer for DOD, NINDS, NIA, NCI
 Editorial reviews for Movement Disorders, Clinical Trials, Neurology, Stroke

CURRENT FUNDING

NIH NIMHD 1 U24MD006941-04 P.I. Barbara Tilley, Ph.D

A Randomized Recruitment Intervention Trial

9/1/2011 – 8/31/2016

This is a randomized trial of an intervention to increase racial and ethnic diversity in clinical trials of low prevalence conditions (<5%).

NIH NINDS 9U01NS043127-11 P.I. Barbara Tilley, Ph.D

Parkinson's Disease Clinical Trial: Statistical Coordination Center

7/1/2001 – 11/30/2016

The Center provides design, and analysis to Phase II and III trials in the NET-PD network, innovative statistical approaches, and procedures for monitoring quality control and participant safety and conduct analysis of the data.

NIH NHLBI 5U01HL077863-07 P.I. Barbara Tilley, Ph.D

Pragmatic, Randomized Optimal Platelets & Plasma Ratios Data Coordination Center (subcontract to the Resuscitation Outcomes Consortium)

10/1/2010-11/30/2016

Oversees the design, conducts data management, analysis, and reporting including reporting to the Data and Safety monitoring committee and publications for a multi-site randomized trial of blood products for patients presenting to emergency departments in need of massive transfusions.

Movement Disorders Society

P.I. Barbara Tilley, Ph.D. to 12/14/2013
 Co-I Barbara Tilley 12/15/2013 to present
 Co-I S. Luo to 12/14/2013
 P.I. S. Luo 12/15/2013 to present

Validating the Uniform Parkinson's Disease Rating Scale

11/01/04-12/15/15

The objective of this study is to complete cognitive interviewing, confirmatory factor analysis, comparison of old UPDRS to new MDS-UPDRS, assessment of instrument's ability to measure change over time, and assist international sites in developing translations.

NIH NIGMS 5T32 GM074902-06 P.I. Barbara Tilley, Ph.D. PI

09/01/09- 06/30/15

Training Program in Biostatistics at UTHSC-SPH

Develops PhD biostatisticians with statistical and biological knowledge.

PREVIOUS FUNDING

3P01NS038660 – 10W1

P.I. Claudia Robertson, M.D.

NIH NINDS 5P01NS038660-10 Statistical Core
5/10/2010-1/13/2014

P.I. Barbara Tilley, Ph.D. to 8/31/2012,
P.I. J-M Yamal, Ph.D. as of 9/1/2012 (Co-I
previously)

Effects Of Erythropoietin On Cerebral Vascular Dysfunction & Anemia In Traumatic Brain Injury Statistical Center (subcontract to Baylor College of Medicine)

The Statistical Center Provides the design, data management, analysis, and reporting including reporting to the Data and Safety monitoring committee and publications for a two-site mid-phase placebo controlled randomized trial of erythropoietin as a treatment for traumatic brain injury.

NIH/NCRR 5UL1RR024148-03
Translational Sciences (CCTS) supplement
7/1/2010-6/30/2011

P.I. Jon Tyson, M.D. Center Clinical and
Co. I. Barbara Tilley, Ph.D. Mentor

The CCTS is one of the first 12 Roadmap CTSA awards, designed to transform clinical research at academic institutions. The award funds a clinical research mentoring program for junior faculty in the Center for Clinical and Translational Sciences (CCTS).

Duke Endowment 6098-SP
07/01/08–06/30/10

P.I. Barbara Tilley, Ph.D. (until 7/09)
Co. I. Barbara Tilley, Ph.D.

Increasing Minority Participation in Clinical Research

The objective of the study is to increase minority participation in medical research for those institutions that comprise Health Sciences South Carolina (HSSC) as a step toward improving the health of racially and ethnically diverse communities in South Carolina.

NIH NINDS 1 T32 NS48007-01A1
07/01/05–06/30/10

P.I. Yuko Palesch, Ph.D.
Co. I. Barbara Tilley, Ph.D.

Biostatistics Training with Application to Neuroscience
Program Faculty/Mentor

The objective of this training grant is to train candidates at the pre-doctoral level, who will undertake dissertation research focused on biostatistical methodology with direct application to neuroscience research.

NCRR NIH 1 T32 RR023258-01
09/20/05–06/30/09

P.I. Barbara Tilley, Ph. D.

Southeastern Pre-Doctoral Training in Clinical Research

This training grant is part of the NIH Roadmap initiative is to train pre-doctoral students from the six colleges at MUSC in clinical and translational research methods.

1 R01 NS052417-01
07/15/05–05/31/08

P.I. Steven Levine, M.D.
Co. I. Barbara Tilley, Ph.D.

Mt. Sinai School of Medicine (sub-contract)

Recurrent Stroke Prediction: Optimizing a PL-P Biomarkers

NIH NINDS 1 R01 NS044976
09/01/04–11/31/07

P.I. Steven Levine
Co. I. Barbara Tilley, Ph.D.

“Antihypertensive treatment in acute cerebral hemorrhage - Statistical Center”

Co-Investigator/Statistician

The objective of the study is to conduct a Phase I study to evaluate the safety of different levels of antihypertensive treatment in patients with cerebral hemorrhage.

NIH-NIA 5 P30 AG021677
09/30/02–08/31/07

P.I. Barbara Tilley, Ph.D.

SC Cooperative for Healthy Aging in Minority Populations – Resource Center for Minority Aging Research (SC CHAMP/RCMAR)

The long-term objective is to reduce the gap in health status differentials between older African Americans and Caucasians in South Carolina. The RCMAR research focuses on specific social, cultural and behavioral mechanisms leading to improved health and functioning.

NIH/NIA T32 AG21794-03
10/01/02–04/30/07

P.I. Jacob Mintzer, M.D.
Co. I. Barbara Tilley, Ph.D.

Institute for Research Training on Mental Health and Aging

The aim of IRMMA is to recruit, train, and retain promising minority individuals from post-doctoral programs in research areas that relate to mental health and aging.

NIH NIAMA P60 AR049459
04/15/03–03/31/08

P.I. Richard Silver, M.D. P.I. Methodology Core: Barbara Tilley, Ph.D.

MCRC for Rheumatic Diseases in African-Americans

Multidisciplinary Clinical Research Center grant consisting of 3 cores and 3 clinical research projects. The grant focuses on the effects of scleroderma and systemic lupus erythematosus, particularly in African-Americans.

NIH NIA 5 P01 HS10871
09/21/00–08/31/06

P.I. Barbara Tilley, Ph.D.

Understanding & Eliminating Health Disparities in Blacks (AHRQ) \$1,617,984 (Year 5)

The major goal of this project is to move beyond the identification and description of African American/Caucasian health-related disparities to understanding the disparities within the African American population and identifying solutions designed to address these health issues.

NIH NIDA 5 U010 DA013727-05
09/30/00-08/31/05

P.I. Kathleen Brady, M.D.
Co. I. Barbara Tilley, Ph.D.

Southeastern Node of the Clinical Trials Network

As part of NIDA's Clinical Trials Network, the South Carolina Node will attempt to bridge the gap between research and community based settings by developing an infrastructure to allow for the conduct of substance abuse psychological and pharmacological research trials.

NIH-NINDS R01 NS39160-01A1
09/30/00–06/30/03

P.I. Joesph Broderick, M.D. P.I. Yuko Paleasch, Ph.D. (Statistical Core)
Co. I. Barbara Tilley, Ph.D.

Interventional Management of Stroke (IMS) Study

A Phase II trial of intra-arterial t-PA in addition to intravenous t-PA for patients with acute ischemic stroke.

NIH/NINDS 1 R01 NS40406-02
01/05/01–07/31/04

P.I. Myron Ginsberg, M.D. P.I. Yuko Palesch, Ph.D. (Statistical Core)
Co.I. Barbara Tilley, Ph.D.

Human Serum Albumin Therapy for Stroke

N01-NS-2-2343/ KAI, Inc
04/01/02–01/31/06
t-PA Stroke Trial

P.I. Barbara Tilley, Ph.D.

Analysis of t-PA trial data and collaboration with t-PA investigators.

NIH NIDDK 1R21DK66066-01A1
07/01/04–06/30/06

P.I. Arch Mainous III, Ph.D.
Co. I. Barbara Tilley, Ph.D.

Racial Disparities in Diabetes in the US and the UK

The primary aim of this study is to investigate whether differences in access to care are associated with differences in detection of diabetes as well as control, between racial and ethnic groups in the United States and the United Kingdom.

DOD/ONR SP0001

P.I. Raymond Greenberg, M.D., Ph.D.

06/1/00 – 5/31/02

Co. I. Barbara Tilley, Ph.D.

“Occupational and Nutritional Risk Factors for Colon and Adenomatous Polyps in the Tri-Service”

Role: Co-investigator

Alpha One Foundation

7/1/00 – 6/30/02

“The Alpha One Foundation Research Registry” \$71,795 (Total Year 2)

The Alpha One Foundation Research Registry enrolls patients with alpha-1 antitrypsin deficiency who are willing to participate in research. The Registry currently has >800 members. MUSC is the Registry coordinating center.

NIH-NINDS RO1 NS30820

P.I. Steven R. Levine, M.D.

Antiphospholipid Antibodies and Stroke

Co. I. Barbara Tilley, Ph.D.

9/27/93 - 6/30/02

\$1,810,705

To investigate the significance of antiphospholipid antibodies in ischemic stroke in the cohort of patients entered into the Warfarin Aspirin Recurrent Stroke Study Project.

NIH-NIA 5 P30 AG15286-05

P.I. Barbara C. Tilley, Ph.D.

“Coordinating Center for the Resource Centers on Minority Aging”

9/1/97 – 8/31/02

\$158,757 (Total Cost, Year 5)

Coordinating Center for African American Aging Research - The long-term objective is to reduce the gap in health status differentials between older African Americans and Caucasians.

NIH-NINDS 1NS 0 2382

P.I. Barbara Tilley, Ph.D.

"Phase II-B Randomized Controlled Study of Tissue Plasminogen Activator for Acute Ischemic Stroke - Coordinating Center"

6/1/90 - 1/31/00

A coordinating center for a randomized clinical trial of a treatment for stroke.

HS 98-002/AHCPR

P.I. Susan Payne, Ph.D.

“Managed Care/University Research and Training Partnership”

8/1/98 - 7/31/99

\$59,136

Program to explore the feasibility of distance learning targeting health professionals at Henry Ford Health System with an emphasis on minorities and to develop a curriculum for health services research on managed care.

AHCPR HS-07386

P.I. Barbara C. Tilley, Ph.D.

"Medical Treatment Effectiveness Program"

2/1/93 - 8/31/98

\$1,382,732

Center goal is to use effectiveness trials to develop cost effective ways to prevent, diagnose, treat, and manage health problems to improve health outcomes for African Americans and provide training for African American investigators.

NIH-NINDS 2-PO1-NS23393-09A1

P.I. Michael Chopp, Ph.D.

"Center for Stroke Research"

8/1/95 - 7/31/00

Develop MRI as an essential tool for the identification and staging of stroke, to predict ultimate biological outcome from the ischemic event, and to employ MRI to assess and monitor the effects of therapeutic intervention.

NIH-NINDS

P.I. K.M.A. Welch, M.D. P.I. Barbara Tilley (Biostatistics Core)

“Headache Research Center”

9/1/95 - 8/31/97

The overall goal of this proposal is to investigate the cause, mechanisms, and consequences of migraine.

NIH-NCI 5-RO1-CA52605

P.I. Barbara Tilley, Ph.D.

“Colorectal Cancer Screening and Nutrition Intervention”

5/1/91 - 4/30/96

\$2,864,919

Intervention study to modify diet and increase screening participation among pattern and model makers.

NIH-NHLBI N01-AR-1-2202

P.I. Barbara Tilley, Ph.D.

“Coordinating Center for an Assessment of the Efficacy of Minocycline in the Treatment of Rheumatoid Arthritis”□

3/1/91 - 9/30/96

\$1,342,883

A multi center, randomized, double-blind clinical trial of Minocycline vs. Placebo for the treatment of rheumatoid arthritis.

MPHI

P.I. Barbara Tilley, Ph.D.

"Cardiovascular Disease Prevention Among African Americans"

11/1/95 - 12/15/96

\$25,000

A pilot study of a church-based nutrition and exercise intervention for African American men.

HONORS AND AWARDS

Fellow, Society for Clinical Trials 2012

Lorne D. Bain Distinguished Professorship in Public Health 2009

MUSC Distinguished Faculty Service Award 2007

MUSC Distinguished University Professor 2006

10th International Congress of Parkinson's Disease & Movement Disorders 2006

William Koller Memorial Fund Award

Statistics Section, Professional Merit Award - American Public Health Association – 1993

Fellow, American Statistical Association – 1992

University of Washington:

National Center for Health Services Research and Development Traineeship

California State University at Northridge:

Dean's List

Graduated Cum Laude

EDITORIAL REVIEW

2007 - present

Ad hoc reviewer, *Movement Disorders*

Editorial Board 2015 to present

2007 – present

Ad hoc reviewer, *Clinical Trials* (previously *Controlled Clinical Trials*)

2000

Reviewer, *Journal of Nutrition Education* (Special issue on Nutrition Education and Aging)

1994 – present	Editorial Board, <i>Stroke</i> (to 2003), ad hoc reviewer to date
1993 - present	Ad Hoc Reviewer, <i>American Journal of Public Health</i>
1990 - 1996	Editorial Board, <i>Statistics in Medicine</i>
1989 - present	Ad Hoc Reviewer, <i>American Journal of Epidemiology</i>
1987 - present	Ad Hoc Reviewer, <i>Neurology</i>
1983 - 1995	Ad Hoc Reviewer, <i>Journal of Vascular Surgery</i> .

PUBLICATIONS

* = students I have advised (not all as primary advisor); ** = Post doctoral students;

+ = Resource Center on Minority Aging scholars

Publications

1. Aisiku IP, **Yamal J-M**, Doshi P, Bandi V, Scott B, Rubin ML*, Benoit JS*, Hannay HJ, **Tilley BC**, Gopinath S, Robertson CS. The incidence of ARDS and associated Mortality in severe TBI utilizing the Berlin Definition. *Journal of Trauma*, 2015, *In press*.
2. Simon DK, Wu* C, Tilley BC, Wills A-M, Aminoff MJ, Bainbridge J, Hauser RA, Schneider JS, Sharma S, Singer C, Tanner CM, Trong D, Wong PS. Caffeine and progression of Parkinson Disease: a deleterious interaction with creatine. *Clin Neuropharm*, 2015, *in press*.
3. Amory CF, Levine SR, Brey RL, Gebregziabher M, Simpson A-C N, Tuhim S, **Tilley BC**, Sacco RL, Mohr JP. Antiphospholipid antibodies and recurrent thrombotic events: Persistence and portfolio. *Cerebrovasc Dis*, 2015, *in press*.
4. Wallace* SK, Rathi NK, Waller DK, Ensor JE, Haque SA, Price KJ, **Tilley BC**, Piller LB, Nates JL. Two Decades of Intensive Care Unit Utilization and Hospital Outcomes in a High-Volume Comprehensive Cancer Center. *Critical Care Medicine*, 2015, *in press*.
5. Ma* J, Chan W, Tsai CL, Xiong M, **Tilley BC**. Analysis of Transtheoretical model of health behavioral changes in a nutrition intervention study: a continuous time Markov change model with Bayesian approach. *Statistics in Medicine*, 2015; 34:3577-89. PMID: 26123093 PMCID: PMC4626363
6. Yamal JM, Benoit JS, Doshi P, Rubin ML, **Tilley BC**, Hannay HJ, Robertson CS. Association of transfusion red cell storage age and blood oxygenation, long-Term neurological outcome, and mortality of traumatic brain injury. *Journal of Trauma and Acute Care Surgery*. 2015, *in press*.
7. **NINDS Exploratory Trials in Parkinson Disease (NET-PD) FS-ZONE Investigators**. Pioglitazone in early Parkinson's disease: a phase 2, multicenter, double-blind, randomized trial. *Lancet Neurol*. 2015.
8. **NINDS NET-PD Investigators**. Effect of creatine monohydrate on clinical progression in patients with Parkinson disease. A Randomized Clinical Trial. *JAMA*. 2015; 313(6); 584-593. PMID: 25668262.
9. Holcomb JB, **Tilley BC**, Baraniuk S, Fox EE, Wade CE, Podbielski JM, del Junco DJ, Brasel KJ, Bulger EM, Callcut RA, Cohen MJ, Cotton BA, Fabian TC, Inaba K, Kerby JD, Muskat P, O'Keefe T, Rizoli S, Robinson BRH, Scalea TM, Schreiber MA, Stein DM, Weinberg JA, Callum JL, Hess JR, Matijevic N, Miller CN, Pittet J-F, Hoyt DB, Pearson GD, Leroux B, van Belle G for the PROPPR Study Group. Transfusion of plasma, platelets, and red blood cells in a 1:1:1 vs. a 1:1:2 ratio and

- mortality in patients with severe trauma: The PROPPR Randomized Clinical Trial. *JAMA*. 2015; 313(5):483-494. PMID: 25647203.
10. Novak DJ, Bai Y, Cooke RK, Marques MB, Fontaine MJ, Gottschall JL, Carey PM, Scanlan RM, Fiebig EW, Shulman IA, Nelson JM, Flax S, Duncan V, Daniel-Johnson JA, Callum JL, Holcomb JB, Fox EE, Baraniuk S, **Tilley BC**, Schreiber MA, Inaba K, Rizoli S, Podbielski JM, Cotton BA, and Hess JR, on behalf of the PROPPR Study Group. Making thawed universal donor plasma available rapidly for massively bleeding trauma patients: Experience from the pragmatic randomized optimal platelets and plasma ratios (PROPPR) Trial. *Transfusion*. 2015; 55: PMID: 24996573.
 11. *Segal CG, Waller DK, **Tilley B**, Piller L, Bilimoria K. An evaluation of differences in risk factors for individual types of surgical site infections after colon surgery. *Surgery* PMID: 25178993.
 12. Goldman JG, Stebbins GT, Leung V, **Tilley BC**, Goetz CG. Relationships among cognitive impairment, sleep, and fatigue in Parkinson's disease using the MDS-UPDRS. *Parkinsonism and Related Disorders*. 2014, PMID: 25150770.
 13. Robertson CS, Hannay HJ, Yamal J-M, Gopinath S, Goodman JC, Valadka A, Aisiku I, **Tilley BC** and Epo Severe TBI Trial Investigators. Effect of erythropoietin and transfusion threshold on neurological recovery after traumatic brain injury: a randomized clinical trial. *JAMA*. 2014; 312 (1) 36:47. PMID: 25058216.
 14. Parashos SA, Luo S, Biglan KM, Bodis-Wollner I, He B, Liang GS, Ross GW, **Tilley BC**, Shulman LM, for the NET-PD Investigators measuring disease progression in early Parkinson disease: The National Institutes of Health Exploratory Trials in Parkinson Disease (NET-PD) Experience. *JAMA Neurol*. 2014; 71 (6): 710-6. PMID: 24711047 PMCID: PMC4188544.
 15. Baraniuk S, **Tilley BC**, del Junco DJ, Fox EE, van Belle G, Wade CE, Podbielski JM, Beeler AM, Hess JR, Bulger EM, Schreiber MA, Inaba K, Fabian TC, Kerby JD, Cohen MJ, Miller CN, Rizoli S, Scalea TM, O'Keefe T, Brasel KJ, Cotton BA, Muskat P, Holcomb JB, PROPPR Study Group. Pragmatic randomized optimal platelet and plasma ratios (PROPPR) Trial: Design, rationale and implementation. *Injury* 2014; 45(9):1287-95. PMID 24996573 PMCID: PMC4137482.
 16. **Tilley BC**, La Pelle NR, Goetz CG, Stebbins GT on behalf of the MDS-UPDRS Revision Task Force. Using Cognitive Pretesting In Scale Development: The Movement Disorder Society Unified Parkinson's Disease Rating Scale (Mds-Updrs) Example: *J Parkinson's Dis*. 2014; 4:395-404. PMID: 24613868.
 17. Cubo E, Goetz CG, Stebbins GT, LaPelle NR, **Tilley BC**, Wang L, Luo S. Independent spanish validation of the unified dyskinesia rating scale. *Movement Disorders Clinical Practice*. 2014; 3:213-218. PMID: 25328906.
 18. Emberson J, Lees KR, Lyden P, Blackwell L, Albers G, Bluhmki E, Brott T, Cohen G, Davis S, Donnan G, Grotta J, Howard G, Kaste M, Koga M, von Kummer R, Lansberg M, Lindley RI, Murray G, Olivot JM, Parsons M, **Tilley B**, Toni D, Toyoda K, Wahlgren N, Wardlaw J, Whiteley W, del Zoppo GJ, Baigent C, Sandercock P, Hacke W for the Stroke Thrombolysis Trialists' Collaborative group. Effect of treatment delay, age and stroke severity on the effects of intravenous thrombolysis with alteplase in acute ischemic stroke: a meta-analysis of individual patients from randomized trials. *Lancet*. 6 August 2014 DOI: 10.1016/S0140-6736(14)60584-5. PMID: 25106063.

19. Martinez-Martin P, Rodriguez-Blazquez C, Forjaz, Maria Joao; Alvarez-Sanchez, Mario; Arakaki, Tomoko; Bergareche, Alberto; Chade, Anabel; Garretto, Nelida; Gershanik, Oscar; Kurtis, Monica; Martinez-Castrillo, Juan Carlos; Mendoza-Rodriguez, Amelia; Moore, Henry; Rodriguez-Violante, Mayela; Singer, Carlos **Tilley BC**, Huang J, Stebbins GT, Goetz CG Relationship between the MDS-UPDRS domains and the health-related quality of life of Parkinson's disease patients. *Eur J Neurol*. 2014; 21(3): 519-24. PMID: 24447695.
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Broderick J, Lu M, Jackson C, Pancioli A, **Tilley BC**, Fagan SC, Kothari R, Levine SR, Marler JR, Lyden PD, Haley EC Jr, Brott T, Grotta JC: ApoE phenotype and the effectiveness of intravenous tissue-type plasminogen activator in acute ischemic stroke. *Ann Neurol* 2000; 48:421.

Levine SR, Brey RL, **Tilley BC**, Thompson JLP, Sacco RL, Xu D, Costigan TM, Triplett DA, Mohr JP, and the WARSS-APASS Collaborative Study Investigators: The WARSS-APASS Collaborative Study: Baseline aPL Prevalence. *J Autoimmunity* 2000; 15(2): A8.

Frankel MR, Morgenstern LB, Kwiatkowski T, Lu M, **Tilley BC**, Broderick JP, Libman R, Levine SR, Brott T and the NINDS rt-PA Stroke Trial Investigators: Predicting poor prognosis after acute ischemic stroke: An analysis of the placebo group from the NINDS rt-PA Stroke Trial. *Neurology* 2000; 54(Suppl 3): A89.

The WARSS/APASS Collaborative Group. Baseline, frequencies, isotypes, and titers of antiphospholipid antibodies in the Warfarin Aspirin Recurrent Stroke Study/ Antiphospholipid Antibody Study (WARSS/APASS) collaboration. 25th American Heart Association International Stroke Conference, New Orleans, February 2000.

Pratt CA, **Tilley BC**, Levine S, Chopp M, Chase G. Stroke knowledge, prevention practices, and preferred approaches to stroke education: Towards developing a new ethnically specific, culturally sensitive survey tool. 25th American Heart Association International Stroke Conference, New Orleans, February.

ABSTRACTS OR POSTERS, 1999

Levine SR, Brey RL, **Tilley BC**, Thompson JLP, Sacco RL, Triplett DA, Costigan T, Mohr JP, and the WARSS-APASS Collaborative Study Investigators: The WARSS-APASS Collaborative Study: A prospective, multicenter study of the significance of antiphospholipid antibodies in a large, ischemic stroke cohort. *J Autoimmunity* 1999; Supplement: 38.

Grotta J, Chiu D, Lu M, Patel S, Levine S, **Tilley B**, Brott T, Haley C, Lyden P, Kothari R, Frankel M, Lewandowski C, Libman R, Marler J, Kwiatkowski T, and the NINDS rt-PA Stroke Study Group: Agreement and variability interpreting early CT changes in stroke patients qualifying for intravenous rPA therapy. *Neurology* 1999; 52 (Suppl 2):A454

The WARSS/APASS/PICSS/HAS/GENEIS Collaboration Group. Representativeness of nonrandomized substudies within a randomized trial: The WARSS Collaboration. 24th American Heart Association International Conference on Stroke and Cerebral Circulation, Nashville, February.

Marler JR, **Tilley BC**, Lu M, Brott T, Lyden P, Broderick JP, Grotta J, Levine SR, Frankel M, Horowitz S, Kwiatkowski T, The NINDS rt-PA Stroke Study Group. Earlier Treatment Associated with Better Outcome in the NINDS TPA Stroke Study. 24th American Heart Association International Conference on Stroke and Cerebral Circulation, Nashville, February.

Tilley BC. Lack of Use of Imputation in Clinical Trials, S. C. Chapter of the American Statistical Association, Charleston, SC, April.

Tilley BC. Lack of Use of Imputation in Clinical Trials, The International Biometric Society, Eastern North American Region (ENAR) 1999 Spring Meeting, Atlanta, GA, March.

Tilley B. Developing Across Center Collaborations: Experience of the Resources Centers on Minority Research. Gerontological Society of America 52nd Annual Scientific Meeting, October 1999, Vol. 39, Special Issue 1, p. 29, San Francisco.

Tilley BC. Issues in Measuring Health Related Concepts in Minority Aging Research. Gerontological Society of America, 52nd Annual Scientific Meeting, San Francisco, November, Vol. 39, Special Issue 1, p. 388, October 1999.

Pratt C, **Tilley B**, Chopp M, Chase G. Stroke knowledge, stroke risk and stroke prevention practices of elderly African Americans. Gerontological Society of America 52nd Annual Scientific Meeting, October 1999, Vol. 39, Special Issue 1, p. 533, San Francisco.

ABSTRACTS OR POSTERS, 1998

Myers R, **Tilley BC**, Vernon SW, Kristal A, Glanz K. The Next Step Trial: Impact of a Worksite Colorectal Cancer Screening Promotion Program, APHA Annual Meeting in Washington, D.C., November.

Glanz K, **Tilley BC**, Myers R, Vernon SW, Kristal A. Nutrition Intervention for High-Risk Auto Workers: Results of the Next Step Trial. AHPA Annual Meeting in Washington, D.C., November.

Tilley BC, N Geller. A Critical Assessment of Meta-analysis for Thrombolysis. 5th International Symposium on Thrombolytic Therapy in Acute Ischemic Stroke, Bethesda, Maryland, May.

The NINDS t-PA Stroke Trial Study Group. Effect of rt-PA on Ischemic Stroke Lesion Size by Computed Tomography: Preliminary Results from the NINDS t-PA Stroke Trial. 23rd International Joint Conference on Stroke and Cerebral Circulation, American Heart Association, Orlando, February.

Kwaitkowski TG, Libman R, Frankel M, **Tilley BC**, Morganstern L, Lu M, Broderick J, Marler J, Brott T and the NINDS rt-PA Stroke Trial Study Group. The NINDS rt-PA Stroke Study: Sustained Benefit at One Year. 23rd International Joint Conference on Stroke and Cerebral Circulation, American Heart Association, Orlando, February.

ABSTRACTS OR POSTERS, 1997

Fagan SC, Morgenstern LB, Pettita A, Ward RE, **Tilley BC**, Marler JR, Broderick JP, Levine SR, Kwiatkowski T, Frankel M, Walker MD and the NINDS rt-PA Stroke Study Group: rt-PA reduces length of stay and improves disposition following stroke. *Stroke* 1997; 28:272.

Tanne D, Sawaya KL, Salowich-Palm L, Schultz LR, D'Olahaberrague L, **Tilley BC**, Levine SR: Anticardiolipin antibody titers and risk of recurrent thrombo-occlusive events or death. *Ann Neurol* 1997; 42:438.

NINDS rt-PA Stroke Trial Study Group. Generalized Efficacy of t-PA for Acute Stroke: Subgroup Analysis of the NINDS t-PA Stroke Trial. 22nd International Joint Conference on Stroke and Cerebral Circulation, American Heart Association, Anaheim, February.

NINDS rt-PA Stroke Trial Study Group. Symptomatic Intracerebral Hemorrhage After t-PA for Stroke. 22nd International Joint Conference on Stroke and Cerebral Circulation, American Heart Association, Anaheim, February.

Fagan S, Morgenstern L, Pettita A, Ward RE, **Tilley BC**, Marler J, Broderick J, Levine S, Kwaitkowski T, Frankel M, Walker MD, and the NINDS rt-PA Stroke Study Group. Cost-effectiveness of tissue plasminogen activator for acute ischemic stroke. 22nd International Joint Conference on Stroke and Cerebral Circulation, American Heart Association, Anaheim, February.

Ford⁺ ME, Edwards G, Rodriguez J, Gibson RC, **Tilley BC**. An asthma education program for African American adults. First Annual African American Health Summit, Detroit, August.

Ford⁺ ME, Havstad SL, **Tilley BC**. Perceptions of diabetes: a life span perspective. Annual Conference of the Gerontological Society of America, Cincinnati, November.

Havstad SL, Borzak S, Joseph CLM, Gheorghide M, **Tilley BC**. Lower Thrombolytic Use for African Americans with Myocardial Infarction: An Influence of Clinical Presentation: Poster presentation, Association for Health Services Research 14th Annual Meeting, Chicago, June.

Alarcón GS, **Tilley BC**, Shuhui L, Pillemer S, Mikhail IS, for the MIRA Trial Group. Self-Administered (SA) joint counts (SA-JCs) are not a substitute for standard Jcs in RA clinical trials (CITr), American College of Rheumatology.

Tilley BC. Analysis of multiple outcomes in the NINDS t-PA Stroke Trial. DIA Annual Meeting, Montreal, June.

Blixen C, Havastad S, **Tilley BC**, Zorratti E, a comparison of healthcare resource use between African Americans and Caucasians hospitalized with asthma. The Association for Health Services research (AHSR),14th Annual meeting, Chicago, June.

Blixen C, Havastad S, **Tilley BC**, Zorratti E., A comparison of healthcare resource use between African Americans and Caucasians hospitalized with asthma. The American Lung Association/American Thoracic Society International Conference, San Francisco, May.

Tilley BC. Global tests for clinical trials with multiple outcomes. Midwest Biopharmaceutical Statistics Workshop, Muncie, May.

ABSTRACTS OR POSTERS, 1996

Tilley BC. NINDS t-PA Stroke Trial: Methods Including Global Endpoint. 21st International Joint Conference on Stroke and Cerebral Circulation, American Heart Association, San Antonio, February.

Blixen C, **Tilley BC**, Havstad S, Zorratti E. Quality of life, medication use, and health care utilization of urban African-Americans seen in emergency departments with asthma. Annual American College of Allergy, Asthma & Immunology Meeting, Boston, November.

Thompson JLP, Brey RL, **Tilley BC**, Sacco RL, Levin B, Mohr JP, Levine SR. The WAARS/APASS collaboration: Management and statistical issues in a multi-study clinical trial involving antiphospholipid antibodies. 7th International Symposium on Antiphospholipid Antibodies, New Orleans, October.

McDonald P, **Tilley BC**, Havstad S. Nurses perceptions: Issues that arise in caring for patients with diabetes in a managed care environment. Association for Health Services Research, Atlanta, June.

Tilley BC. Improving quality of care for African Americans: the experience of the Center for Medical Treatment Effectiveness Programs in a managed care environment. Association for Health Services Research, Atlanta, June.

Ford⁺ ME, Havstad SL, Lamerato L, **Tilley BC**. Racial differences in diabetes perceptions. Association for Health Services Research, Atlanta, June.

Tilley BC, Lu M, for NINDS t-PA Trial Investigators. Analytical Issues for Stroke Clinical Trials. Society for Clinical Trials, Pittsburgh, May.

Hirst K, **Tilley BC**, Lu M. Extending Intent-to-treat Principles to Cluster Design Clinical Trials. Society for Clinical Trials, Pittsburgh, May.

Tilley BC, Holmgren E, Lu M, Wan-Clow F. Relative Risk Estimates for Global Tests. The Eastern Region International Biometric Society Meetings, Richmond, March.

Vernon S, Myers R, Lu M, **Tilley BC**. Factors Associated with Perceived Susceptibility to Colorectal Cancer. American Society of Preventive Oncology, March.

Myers R, Vernon S, Lu M, **Tilley BC**. Factors Related to Employee Intention to Engage in Worksite Colorectal Screening. American Society of Preventive Oncology, March.

Joseph CLM, Ownby DR, **Tilley BC**. Ethnic Differences in Biologic Factors Related to Childhood Asthma. American Academy of Allergy Asthma and Immunology, March.

ABSTRACTS OR POSTERS, 1995

Graddy-Dansby G, Robinson VL, Thompson-Cardwell K, Havstad S, Shepard A, **Tilley BC**, Young M. Risk factors comorbidities and gangrene do not explain racial differences in amputation rates of African American diabetics. Society for Medical Decision Making, October.

Joseph CLM, Havstad SL, Johnson CC, **Tilley BC**. Validation of the effects of visits to allergist on the ethnic differential in emergency department use for asthma. American Academy of Allergy and Immunology, July.

Wisdom⁺ K, Ford M, **Tilley BC**. A diabetes empowerment educational program for African American adults. American Diabetes Association, June.

Ford M, Havstad SL, **Tilley BC**, Bolton MB. Ethnic differences in the effects of asthma education on health beliefs and health behavior. Association of Health Services Research, June.

Joseph CLM, Havstad SL, Johnson CC, **Tilley BC**. Asthma management in African American children. Society for Epidemiologic Research, June.

Wisdom⁺ K, Fryzek JP, Dreiling MC, Havstad SL, **Tilley BC**. Race-specific differences in diabetes care determined using computerized data. American Diabetes Association, May.

Havstad SL, Joseph CLM, Ford⁺ M, Bolton MB, **Tilley BC**. Effectiveness of an asthma education intervention in African Americans. Society of General Internal Medicine, April.

Tilley BC, Heyse SP, Rusinova M, Glegg DO, Global tests for clinical trials with multiple outcomes. The Society for Clinical Trials Meeting 16th Annual Meeting, April-May, Seattle WA.

ABSTRACTS OR POSTERS, 1994

Tuttleman M, Pillemer S, **Tilley BC**, Fowler S, Buckley L, Alarcón G, Trentham D, Neuner R, Clegg D, Leisen J. Assessment of health status instruments in a rheumatoid arthritis (RA) clinical trial. Annual Scientific Meeting of the American College of Rheumatology, 29th Annual Meeting.

Tilley BC, Heyse SP, Rusinova M, Clegg DO. Global outcome test for rheumatoid arthritis trials. Annual Scientific Meeting of the American College of Rheumatology, 29th Annual Meeting.

Bluhm GB, Sharp JT, **Tilley BC**, Rusinova M, Alarcón GS, Heyse SP, Trentham DE, Neuner R, Kaplan DA, Clegg DO, Leisen JCC, Buckley L, Cooper SM, Duncan H, Pillemer, SR, Tuttleman M, Fowler SE. Radiographic results from the minocycline in rheumatoid arthritis trial (MIRA). Annual Scientific Meeting of the American College of Rheumatology; 29th Annual Meeting.

Reveille JD, Alarcón GS, Fowler SE, Pillemer S, Neuner, R, Clegg DO, Trentham D, Leisen J, Cooper S, Duncan H, Mikhail I, Tuttleman M, Heyse S, **Tilley BC**. Lack of a gene-dose effect for the "rheumatoid" epitope in RA patients from a large multicenter clinical trial. Annual Scientific Meeting of the American College of Rheumatology; 29th Annual Meeting.

Tilley BC. Design of the NINDS t-PA Stroke Trial (poster). 19th International Joint Conference on Stroke and Cerebral Circulation, American Heart Association, San Diego, February.

Tilley BC, Heyse S, Clegg D. Global outcome tests for rheumatoid arthritis trials. Society for Clinical Trials. Society for Clinical Trials, 15th Annual Meeting, 1994.

Vernon SW, **Tilley BC**, Glanz K, Myers R, Sanders KL, Lu M. Planning the Next Step: A screening promotion and nutrition intervention trial in the worksite. Society for Clinical Trials; 15th Annual Meeting.

Tilley BC, Marler J, Geller N, Legler J, Ryan R. Using a global outcome test in stroke trials. International Biometric Conference.

ABSTRACTS OR POSTERS, 1993

Gheorghide M, Young M, Uretsky F, Packer G, Havstad S, **Tilley BC.** Predicting clinical deterioration after digoxin withdrawal in heart failure: Insights from the PROVED and RADIANCE trials. XVth Congress of the European Society of Cardiology.

Rybicki B, **Tilley BC**, Johnson CC. How beneficial is multiple endoscopy screening in detecting adenomatous polyps? Society for Epidemiologic Research.

Tilley BC. Approaches to reducing the cost of clinical trials. Statistical Issues in the Pharmaceutical Industry: Design, Analysis and Interpretation Issues in Clinical Trials. Drug Information Association, Hilton Head.

Tilley BC, for the MIRA Trial Investigators Participating Clinics. Recruitment strategies in rheumatoid arthritis (RA) clinical trials (CT): the MIRA experience. Society for Clinical Trials, 14th Annual Meeting.

ABSTRACTS OR POSTERS, 1992

NINDS Trial Investigators (**Tilley, presenter**). A Deming approach to recruiting: The National Institutes of Neurological Disorders and Stroke (NINDS) t-PA Stroke Trial Experience. Poster Session, Society for Clinical Trials, May 1992.

Johnson CC, Uman J, **Tilley BC**, Sandler M. Prevalence of abdominal aortic aneurysms. Society for Epidemiologic Research.

Niland, Odon-Maryon, **Tilley BC.** A survey of biostatistical units throughout North America. Joint Statistical Meetings.

Rybicki B, Johnson CC, Visintainer P, **Tilley BC.** Incidence of adenomatous polyps of the sigmoid colon in an occupational cohort. Society for Epidemiologic Research.

Tilley BC. A Deming approach to recruiting: The National Institutes of Neurological Disorders and Stroke (NINDS) - t-PA stroke trial experience. 2nd International Symposium on Thrombolytic Therapy in Acute Ischemic Stroke.

Tilley BC. Good science in a bad economy: Issues in cardiovascular and cerebrovascular clinical trials. Joint Statistical Meetings.

Uman J, Sandler M, Johnson CC, **Tilley BC.** Prevalence of abdominal aortic aneurysms. American Heart Association.

Tilley BC. Systems Analysis: How this can improve the care of your emergency CVA patients. Michigan College of Emergency Physicians.

ABSTRACTS OR POSTERS, 1991

Tilley BC, Schultz LR. Subgroup analyses in clinical trials: An exploration. American Public Health Association.

ABSTRACTS OR POSTERS, 1990

Tilley BC, Brown E, Gretchen T, Deveshwar R, Ramadin N, Levine S, Dietrich K, and Welch KMA. Outcome measurements in clinical trials for stroke patients. Society for Clinical Trials. Abstract P-50.

Johnson CC, Feingold ML, **Tilley BC.** Meta-analysis of herbicide exposure and risk for soft tissue sarcoma and lymphoma. American Public Health Association.

Tilley BC. When a coordinating center assumes an ongoing trial. Society for Clinical Trials, Eleventh Annual Meeting, Toronto, May.

ABSTRACTS, 1989

Tilley BC, Johnson CC, Joseph CLM, et al. Colon cancer mortality among automotive industry pattern and model makers. Society for Epidemiology Research.

Joseph CLM, Johnson CC, Strauchman C, **Tilley BC.** Cost of case ascertainment in a cohort of non-respondents. American Public Health Association.

Tilley BC, Peterson EP, Kleerekoper M, Riggs W, O'Fallon Wm. Endpoint in osteoporosis clinical trials. International Society for Clinical Biostatistics, Maastricht.

Tilley BC, Nelson DA, Peterson EL, O'Fallon Wm, Riggs BC, Kleerekoper M. Vertebral fracture as an endpoint for trials in osteoporosis: the reliability of digitizing techniques for vertebral area measurements. Society for Clinical Trials, May.

ABSTRACTS, 1988

Schultz LR, Johnson CC, **Tilley BC,** Model Selection of Substance Abusers from a Large Work Force. Eastern North American Region Biometric Society Meeting, Boston, March.

ABSTRACTS, 1987

Neale AV, **Tilley BC**, Vernon SW. Marital status, delay in seeking treatment, and survival from breast cancer. Behavioral Medicine Abstracts, 1987;8:92(#82-0366).

WORKSHOPS/INVITED TALKS

Tilley BC (organizer of peer-reviewed workshop). Speakers: Tabor DC, Alvidrez J, **Tilley BC**, Ford ME, Mainous A III. "The challenges of conducting a randomized intervention for increasing minorities in clinical trials." Minority Health and Health Disparities Grantees' Conference, Transdisciplinary Collaborations: Evolving Dimensions of US and Global Health Equity. Arlington VA, December 1-3, 2014.

Tilley BC (invited participant) Futility Studies and Sample Size, European Associations of Pediatrics, Istanbul, October 2012.

Tilley BC (invited participant). NINDS Parkinson's Disease Biomarkers Program, Scientific Liaison Group, Bethesda, MD, December, 2011.

Tilley BC (invited speaker). Measuring the right things right: Use of assessment tools and interpretation of results. 15th International Congress of Parkinson's disease and Movement Disorders, Toronto, Ontario, June 2011.

Tilley BC (invited speaker) CER Methods as alternatives to traditional RCTs for Transfusion Medicine. NHLBI-sponsored conference on CER in Transfusion Medicine, Bethesda, MD, June, 2011.

Tilley BC (invited speaker) Sample Size Estimation Incorporating Disease Progression. University of Pennsylvania 4th Annual Conference on Statistical Issues in Clinical Trials, Philadelphia, PA, April 2011.

Tilley BC (invited discussant) Design and Analysis of Clinical Trials with Multiple Endpoints. FDA/Industry Statistics Workshop, Washington, DC, September, 2010.

Tilley BC (invited participant) Future Directions for CVS Comparative Effectiveness Research. NHLBI/NIH, Bethesda, MD, July, 2010.

Tilley BC (invited panelist) Bayesian Biostatistics Conference 2010, The University of Texas M.D. Anderson Cancer Center, Houston, TX, January 2010.

Tilley BC (instructor) Clinical Trial Statistics. American Society for Experimental Neurotherapeutics 9th Annual Meeting, Washington, DC, March, 2007.

Tilley BC (speaker) Scholars Lecture, Scholars Seminar Series. Recruiting Diverse Populations into Studies of Rare Diseases: A Mixed Methods Approach. University of Arizona, Tucson, Arizona, February, 2007.

Tilley BC (speaker) University of South Florida Seminar Series. Using Mixed Methods to Develop a Recruitment Approach for Diverse Populations with Parkinson's Disease. University of South Florida, Tampa, FL, January, 2007.

Tilley, BC (participant) National Institute of Neurological Disorders and Stroke Progress Review Group Member, Charleston, SC, September, 2006.

Tilley BC (speaker) Designing stroke trials. American Society for Experimental NeuroTherapeutics (ASENT) 4th Annual Meeting. Workshop #1 - Statistical Concepts in the Design and Interpretation of Clinical Trials in

Neuroscience, Washington, DC, March 2002.

Tilley BC (speaker) Overview of Resources Centers on Minority Aging Research (RCMAR). EXCEED Pre-conference workshop on Measurement Issues in Health Disparities Research in the U.S. Conference, San Francisco, May 2001.

Tilley BC (Chair) Resource Centers for Minority Aging Research Third Annual Meeting, Bethesda, MD, sponsored by NIA/NIH, Bethesda, MD, April 2001.

Tilley BC (speaker) Issues in the Design and Analysis of Ischemic Stroke Trials: Phase II-Phase III. DIA Workshop: Innovative Statistical Strategies: A Competitive Advantage in the Global Drug Development Process, Savannah, GA, March 2001.

Tilley BC (speaker) Research in Minority Aging: Achieving Health Equity. Millennium Series Symposium, Nutrition and Aging: Leading a Healthy, Active Life, Washington, DC, sponsored by the USDA, Center for Nutrition Policy and Promotion, September 2000.

Tilley BC (participant) Stroke Drug Development: Improving Clinical Trial Design and Endpoint Selection. Stroke Treatment Academia, Industry; Roundtable II (STAIR), March 9-10, 2000, Redwood City, CA.

Tilley BC (Chair) Resource Centers for Minority Aging Research Second Annual Meeting, Bethesda, MD, sponsored by NIA/NIH, Bethesda, MD, February 2000.

Tilley BC (speaker) Neuroprotection in Acute Cerebral Ischemia Conference. Pinehurst, NC, February 2000.

Tilley BC (Review Participant) National Cancer Institute's Colorectal Cancer Progress Review Group Roundtable Meeting, San Francisco, CA, January 2000.

Tilley BC (Chair) Resource Centers for Minority Aging Research Second Annual Meeting, Bethesda, sponsored by NIA/NIH, Bethesda, MD, February 1999.

Tilley BC (invited speaker) Epidemiological and Biostatistical Issues in the Design of Laboratory Studies, 1999 Carolinas Clinical Connection, Charleston, SC March, 1999.

Tilley BC (Co-Chair) Improving Blood Pressure Control: Experts in Hypertension Education Series, sponsored by Medical University of South Carolina, Charleston, SC, April 1999.

Tilley BC (Panel member) Issues Regarding the Principles and Practice of Clinical Trials in Neurological Disorders, Boston, June 1999.

Tilley BC (speaker) Gerontological Society of America Workshop: Involving Older Ethnic Minorities in Health Related Research. San Francisco, CA, November 1999.

Tilley BC (speaker) An Outsider's Perspective on Current and Possible Antiepileptic Drug Clinical Trial Designs, sponsored by American Epilepsy Society, San Diego, California, December 1998.

Tilley BC (invited participant) Developing a Minority Health Services Research Agenda, sponsored by Association of American Medical Colleges and the Agency for Health Care Policy and Research, Chantilly, Virginia, July 1997.

Tilley BC (organizer and speaker) Workshop on global tests for clinical trials with multiple outcomes. Society for Clinical Trials, May 1995.

Tilley BC. (Panel member) Consensus development conference on optimal calcium intake. National Institute of Arthritis and Musculoskeletal and Skin Diseases. June 1994.

Tilley BC. (Chair) Analysis of multiple endpoints in a clinical trial. National Institute of Neurologic Disorders and Stroke. November 1993.

Tilley BC. Statistical issues in the design of animal studies. Humane Care and Use of Laboratory Animals. Wayne State University. May 1992.

Tilley BC. Designing animal studies: Sample size and other statistical issues. Michigan Society for Medical Research (MISMR), Ann Arbor, Michigan. September 1990.

PUBLICATIONS RELATED TO DATA AND SAFETY MONITORING ACTIVITIES FOR NIH

Appel LJ, Clark JM, Yeh HC, Wang NY, Coughlin JW, Daumit G, Miller ER, Dalcin A, Jerome GJ, Geller S, Noronha G, Pozefsky T, Charleston J, Reynolds JB, Durkin N, Rubin RR, Louis TA, Brancati F. Comparative effectiveness of weight-loss interventions in clinical practice. *N Engl J Med*. Published online Nov 15, 2011. 10.1056/NEJMoa1108660.

Wadden TA, Volger S, Sarwer DB, Vetter ML, Tsai AG, Berkowitz RI, Kumanyika S, Schmitz KH, Diewald LK, Barg R, Chittams J, Moore RH. A two-year randomized trial of obesity treatment in primary care practice. *N Engl J Med*. Published online Nov 14, 2011. 10.1056/NEJMoa1109220.

Brott TG, Hobson RW II, Howard G, Roubin GS, Clark WM, Brooks W, Mackey A, Hill WD, Leimgruber PP, Sheffett AJ, Howard VJ, Moore WS, Voeks JH, Hopkins LN, Cutlip DE, Cohen DJ, Popma JJ, Ferguson RD, Cohen SN, Blackshear JL, Silver FL, Mohr JP, Lal BK, Meschia JF. Stenting compared to endarterectomy for treatment of carotid artery stenosis. *New Eng J Med*, 2010; 363:11-23.

Viscoli CM, Brass LM, Kernan WN, Sarrel PM, Suissa S, Horwitz RI. A Clinical Trial of Estrogen-Replacement Therapy after Ischemic Stroke, *NEJM* 2001; 1345:1243-9.

Klempner MS, Hu LT, Evans J, Schmid CH, Johnson GM, Trevino RP, Norton D, Levy L, Wall D, McCall J, Kosinski M, Weinstein A. Two Controlled Trials of Antibiotic Treatment in Patients with Persistent Symptoms and a History of Lyme Disease, *NEJM* 2001; 345:85-92.

Fisher B, Costantino JP, Wickerham DL, Redmond CK, Kavanah M, Cronin WM, Vogel V, Robidoux A, Dimitrov N, Atkins J, Daly M, Wieand S, Tan-Chiu E, Ford⁺ L, Wolmark N, and other NSABP Investigators. Tamoxifen for prevention of breast cancer: report of the National Surgical Adjuvant Breast and Bowel Project P-1 Study.[see comment]. [Clinical Trial. Journal Article. Multicenter Study. Randomized Controlled Trial] *Journal of the National Cancer Institute*. 1998; 90:1371-88.

TIMI IIIB Investigators. Effects of tissue plasminogen activator and a comparison of early invasive and conservative strategies in unstable angina and non q-wave myocardial infarction: Results of the TIMI IIIB Trial. *Circulation* 1994; 84:1545-56.

Mandel JS, Bond JH, Church TR, Snover DC, Bradley M, Schuman LM, Ederer F, for the Minnesota Colon Cancer Control Study. Reducing mortality from colorectal cancer by screening for fecal occult blood. *NEJM* 1993; 328:1365-1371.

Previous:

MUSC COMMITTEES

Member, Southeastern Clinical and Translational Research Center (SECTR)
 Member, Cancer Prevention and Control Recruitment Committee
 Member, Mentoring Committee, COM
 Member, Advisory Committee to BIRCH grant
 Member, Society of Women Scholars
 Member, Charleston VA TREP Steering Committee
 Member, Advisory Committee for Rehabilitative Medicine, COM
 Member, Advisory committee for the Program for Movement, Exercise, and Rehabilitation Research (PMERR)
 Member, General Clinical Research Center Advisory Committee
 Member, Southern Consortium Advisory Board for the Clinical Trials Network (CTN), Institute of Psychiatry
 Member, Chair Search, Surgery, COM
 Member, Chair Search, Anesthesiology, and Perioperative Medicine. COM
 Member, Clinical Trials Data Safety and Monitoring Board, Hollings Cancer Center
 Appointments, Promotions and Tenure Committee
 Coastal Cancer Control Planning Committee
 Gender Issues Committees
 Hypertension Center Planning Committee
 Mission Based Management Steering Committee
 Mission Based Management, Education Team Subcommittee
 Center for Health Care Research (CHCR) Advisory Committee
 Chair, Dean of Graduate Studies Search Committee
 Chair, Hollings Cancer Center, Associate Director, Prevention and Population Science Search Committee
 Member, Vice President for Medical Affairs & College of Medicine Dean Search Committee
 Chair, Center for Health Care Research Director Search Committee
 Member, College of Medicine, LCME Self-Study Task Force, Graduate Education in the Basic Sciences Subcommittee
 Member, HCC P-30 Planning Committee
 Member, MSCR K30 Planning Committee
 Member, Elsie Taber Society of Scholars
 Member, Clinical Research Task Force, COM

TEACHING ACTIVITIES

Students:

Primary Advisor

Hai Zhu (Ph.D. Program BST) 2015 - present
 Cai Wu (Ph.D. Program BST) 2013 - present
 Garoma Lemma (MPHBST) 2012
 Apaporn Kitsnapun (Ph.D. Program, BST) 2012
 Navdeep Pal (Ph.D. Program, BST) 2012

Piyusha Joshi (M.S. Program ,Biostatistics) 2010 - 2012
 Jing Huang (M.S. Program ,Biostatistics) 2009 - 2011
 Christopher Swearingin* (Ph.D. program) 2006 – 2009
 Zara Sadler (Ph.D. program) 2001*-2004
 Christopher Khedouri (Ph.D. program) 2001*-2004
 Chengwu Yang* (Ph.D. Program) – 2005- 2009

*When I took over as primary advisor.

Advisory

Sapna Prasad (Ph.D. Program, MAN) 2012
 Cynthia Segal (Ph.D. Program, EPM), 2012
 Logan Thornton (DPH, HLP) 2012
 Aron Treviño (MSB, STA) 2012
 Susannah K. Wallace (Ph.D. Program, EPM) 2012
 Sapna Prasad (Ph.D. Program, Management, Policy, and Community Health) 2012-
 Edwin Machine (Ph.D. Program, Management, Policy, and Community Health) 2012-
 Logan R. Thornton (Ph.D. Program) 2011-
 Shang-Ying Liang (Ph.D. Program Biostatistics) 2007-2010
 Susannah Kish Wallace (Ph.D. Program) 2006-
 Cynthia Segal (Ph.D. Program Epidemiology) 2004-
 Theodosha S Gilliard (M.S. program) 2003
 Jordan Elm* (Ph.D. program) 2003 - 2009
 Ryan Dickson (M.S. program) 2003 - 2007
 Winnie Hennessey (Ph.D. program) 2002-2009
 Rickey Carter (Ph.D. program) 2000 -2002
 Ewing JR. (Ph.D. program) A nuclear magnetic resonance measurement of cerebral perfusion: the use of gaseous halocarbons in an indicator dilution technique. Oakland University, graduated 1992 (Currently at Henry Ford Health System; on faculty at CWRU)

MSCR Advisory

Denise Fyffe 2004-2006
 Jennifer Mazyck-Brown – 2005-2007
 Pamela Mazyck 2003-2005
 Johannah Uriri Glover 2003-2005
 Sharie Haugabook 2003-2005
 Matthew Quintero 2003-2005

Postdoctoral Fellow

Paulo Guimaraes**, Ph.D., 2002-2004 (Currently on faculty at University of South Carolina)
 Patricia MacDonald, Ph.D., post doctoral nursing student from Case Western Reserve University, 1995-1996. (Currently on faculty at CWRU)

Supervisor of graduate student and medical student summer interns (Henry Ford Health System, 1987–1999).

Mentoring:

Through AHRQ-funded MEDTEP Project, NIA-funded Resource Center on Minority Aging and AHRQ-funded EXCEED mentored and continue to mentor numerous new minority investigators.

Courses Taught

- Independent Study on Beyond Anova, University of Michigan, 1990.
- Design and Analysis of Clinical Trials, University of Michigan, 1985-1986.

- Biostatistics and Epidemiology Core Course, Henry Ford Health Sciences Center, 1990, 1991, 1994 (Clinical Trials).
- Regression Analysis for Health Services, University of Michigan, 1984-1985.
- Statistical Collaboration, 2000, 2001
- Grant Development, 2001, 2002, 2003, 2004, 2005, 2006, 2007
- Statistical Methods for T32, 2006, 2007
- Statistical Methods for Clinical Trials, University of Texas, School of Public Health 2010, 2011
- Capstone for MPH students 2012, 2013
- Biostatistics Seminar Course 2012, 2013

Additional Classes Taught

- “Clinical Trials in Neurology,” as part of an SPH course in Neuroepidemiology. 2010, 2011

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