

March 25, 2019

CURRICULUM VITAE

NAME: **Barry Robert Davis**

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EDUCATION:

1969-1973 B.S., Life Sciences
Massachusetts Institute of Technology
Cambridge, Massachusetts

1973-1977 M.D.
University of California, San Diego
School of Medicine
La Jolla, California

1977-1978 Internal Medicine Internship
Worcester City Hospital
University of Massachusetts Medical School
Worcester, Massachusetts

1978 Certification, National Board of Medical Examiners

1978-1982 Sc.M., Applied Mathematics
Ph.D., Applied Mathematics
Brown University
Providence, Rhode Island

1992 Diplomate, American Board of Preventive Medicine
Public Health and General Preventive Medicine

PROFESSIONAL POSITIONS:

2016-2017 Interim Chair, Department of Biostatistics, University of Texas School of Public Health (UTSPH), Houston, Texas

2008- Present Guy S. Parcel Chair in Public Health, UTSPH

2007-2008 James W. Rockwell Professor in Public Health, UTSPH

1992- Present Professor of Biostatistics, UTSPH

2003- Present Director, Coordinating Center for Clinical Trials (CCCT), a research unit of UTSPH, consisting of 40 faculty and staff to conduct the research listed under CURRENT AND PRIOR RESEARCH

2007- Present Director of Clinical Research Design, Texas Heart Institute (THI), Houston, Texas

1993- Present Research Scientist, Adult Cardiology, THI

2006-2007 Executive Director, Biostatistics, Amgen, Inc., Thousand Oaks, California

2003-2006 Director, Division of Biostatistics, UTSPH

2003-2006 Professor of Biostatistics, University of Texas M.D. Anderson Cancer Center (UTMDACC), Houston, Texas

2000-2003 Co-Director, CCCT, UTSPH

1998-2001 Convener of Biostatistics, UTSPH

1992-2003 Professor of Biomathematics, UTMDACC

1987-1992 Associate Professor of Biostatistics, UTSPH

1990-1992 Associate Professor of Biomathematics, UTMDACC

1983-2000 Deputy Director, CCCT, UTSPH

1983-1987 Assistant Professor of Biostatistics, UTSPH Public Health

1982-1983 Assistant Professor of Applied Mathematics and Medicine, Brown University, Providence, RI

HONORS:

- University of California Regents Scholar, 1973-1977
- University Fellowship, Brown University, 1978-1979
- Dean's Teaching Excellence List, The University of Texas School of Public Health, 1988-1989
- Fellow, American Heart Association, Council on Epidemiology, 1990
- Fellow, American College of Preventive Medicine, 1992
- Outstanding Faculty Award, The University of Texas Health Science Center, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2003
- Who's Who in Science and Engineering, 1993
- Who's Who in the South and Southwest, 1994
- Peer Recognition for Outstanding Achievement in Sponsored Research, 1994
- ALLHAT Project - "Largest Contract Ever Received by UT - Houston"
- Fellow, American Statistical Association, 1996
- The University of Texas Health Science Center, Nationally Recognized Honors in Research, 1996, 2003
- The University of Texas Health Science Center, Nationally Recognized Honors in Service, 1997, 1999, 2001, 2002
- President, Society for Clinical Trials, 1999-2000
- Chair, Biometrics Section, American Statistical Association, 2003

- ALLHAT selected as one of “Top Ten Achievements for 2002” by American Heart Association
- ALLHAT findings in JAMA 12/18/2002 cited by Thomson-ISI Web of Science as “one of the most cited recent papers in the field of Clinical Medicine”
- Honorary member of the Chilean Society of Internal Medicine, 2003
- Special Recognition of ALLHAT by the University of Texas Health Science Center, September 2003
- Houston Mayoral Proclamation – September 19, 2003 – ALLHAT Clinical Trial Day
- UTHSC-Houston President’s Scholar Award for Research, 2004
- Fellow, Society for Clinical Trials, 2007
- James W. Rockwell Professor in Public Health, UTSPH, 2007
- Guy S. Parcel Chair in Public Health, UTSPH, 2008
- Fellow, American Association for the Advancement of Science, 2014
- Elected Member, International Statistical Institute, 2015
- Fellow, American Society of Hypertension, 2016

MEDICAL LICENSURE:

Texas, 1984-G6159

APPOINTMENTS:

Emerging Risk Factors Collaboration, 2013-

Virtual International Cardiovascular and Cognitive Trials Archive (VICCTA), 2013-

Trans-Cranial Doppler (TCD) with Transfusion Changing to Hydroxyurea (TWiTCH)

Steering Committee, 2010-

Executive Committee, 2011

Operations Committee, 2010-

Publications Committee, 2013 –

FLuctuATion reduction with inSULin and GIp-1 Added together (FLAT-SUGAR)

Steering Committee, 2011-

Executive Committee, 2011-

Operations Committee, 2011-

Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT)

Executive Committee, 1994-, (Chair, 2003-2007)

Steering Committee, 1994-

Endpoints Committee, 1994-2003

Recruitment and Eligibility Committee, 1994-1997

Publications and Ancillary Studies Committee, 1994-

Quality Control Committee (Chair), 1994 -2003

Dissemination Committee, 2002-2010

Genetics of Hypertension Associated Treatments (Gen HAT),

Steering Committee, 1999-

Systolic Hypertension in the Elderly Program (SHEP)

Endpoints and Toxicity Subcommittee, 1984-1992

Scientific Review Subcommittee, 1984-1992

Drug Selection Working Group, 1984-1985
Publications and Presentations, 1991-1996
Trial of Antihypertensive Interventions and Management (TAIM)
Design and Management Subcommittee, 1985-1988
Hypertension and Detection Follow-up Program (HDFP)
HDFP Publications Committee, 1986-1992
Survival and Ventricular Enlargement Trial (SAVE)
Mortality and Endpoint Subcommittee, 1986-1992
Continuation of Trial of Antihypertensive Interventions and Management (COTAIM)
Chair, Executive Committee, 1988-1995
Design and Management Subcommittee, 1988-1995
Cost Benefit Subcommittee, 1988-1995
Cholesterol and Recurrent Events Trial (CARE)
Endpoints Committee, 1989-1993
Vioxx Gastrointestinal Outcomes Research Study (VIGOR)
Steering Committee, 1999-2002
Prevention of Restenosis with Tranilast and Its Outcomes: A Placebo-Controlled Trial (PRESTO)
Steering Committee, 1999-2002
The Prospective Pravastatin Pooling (PPP) Project, 1999-2006
The World Health Organization-International Society of Hypertension Blood Pressure Lowering
Treatment Trialists' Collaboration, 1999- , Member of Steering Committee, 2014-
Cholesterol Treatment Trialists' Collaboration, 1999-
International Advisory Committee, Aspirin in Reducing Events in the Elderly (ASPREE), 2003-
The University of Texas School of Public Health
Committee for Faculty Affairs, 1986-1988
AIDS Working Group, 1987-1989
Chair, Faculty Merit Review Committee, 1988-1989
Search Committee for Occupational Health Physician Faculty Member, 1988-1990
Biometry Admissions Committee, 1988-2003
Biometry Faculty Search Committees, 1988-1989, 1992-1993
Biometry Brochure Committee, 1988
Chair, Strategic Planning Committee, 1989-1990
Faculty Policy Committee, 1989-1990
Epidemiology Faculty Search Committee, 1991- 1992, 1996-1997
Convener, Disease Control Module, 1995-1997
Academic Affairs Committee, 1995-1998
Faculty Affairs Committee (FAC), 1998-2001; Chair, 2000-2001
Lorne Baine Professorship Search Committee, 1998-1999
Faculty Peer Review Committee, 2001, 2002 (Co-Chair)
Division Directors Committee, 2003-2006
Executive Council, 2003-2006.
Research Council, 2007-
Biostatistics Division Director Search Committee, 2007-2008
Biostatistics/Coordinating Center Faculty Search Committee (Chair), 2008-

Biostatistics Faculty Search Committee, 2008-
The University of Texas Health Science Center
Scientific Review Committee, 1987-1990
Internal Review Committee for PEW Scholars Program, 1991
Search Committee for Dean of UT School of Public Health, 2004
The University of Texas Health Science Center
Planning Committee for Burroughs Wellcome Foundation RFP, 2008.
Clinical Trials Comm. for UT System for Prop 15-related Cancer Institute funding, 2008
President's Scholar for Research and Teaching Selection Committee - 2005, 2009, 2010,
2011, 2012, 2013, 2014, 2015
Baylor College of Medicine
Research Subcommittee, Program in Aging, 1987-1990
American Association for the Advancement of Science, Member, 1980-present
American Heart Association, Council on Epidemiology
Chair, Committee on Criteria and Methods, 1988-1991; Member, 1987-1991
Executive Committee, 1988-1991
American Statistical Association
Membership Committee, 1988-1994
Council on Sections Representative, Biometrics Section (Elected Position), 1992-1995
Biometrics Section Executive Committee, 1992-1995, 2001-2004
Nominations Committee, 1993-1995
ASA Representative to ENAR, Member of RECOM, 1995-1997
Byar Awards Committee, 2001, 2002, 2003 (Chair)
Chair, Biometrics Section (Elected Position), 2003
Society for Clinical Trials
Program Committee 1989, 1996, 1997 (Chair), 1998
Board of Directors (Elected Position), 1993-1997
Executive Committee, 1998-2000
Development Committee, 1999-2000
Education Committee, 1999-2000
Finance Committee, 1999-2000
Membership Committee, 1999-2000
Nominating Committee, 1999-2000
Publications Committee, 1999-2000
Student Scholarship Committee, 1999-2000
Policy Committee, 2000, 200, 200, 2003(Chair), 2004, 2005
President-Elect, 1998-1999
President (Elected Position), 1999-2000
Past President 2000-2001
Fellows Committee, 2008, 2009 (Chair), 2010 (Chair), 2011

International Biometric Society (IBS)

Regional Advisory Board, Eastern North American Region (ENAR), 1989-1991
ENAR in Houston 1991, Local Arrangements Committee, 1988-1989
Liaison to the 1991 ENAR Program Committee
Institute of Mathematical Statistics (IMS), Assistant Secretary
Regional Committee [RECOM] (Elected Position), Eastern North American Region
(ENAR), 1996-1998
IBS Council (Elected Position), Member of RECOM, 2000-2002
Student Awards Review Committee, 2001
Nominations Committee, 2002-2003
Presidential Nominee, 2005, 2008

International Society for Biopharmaceutical Statistics, Advisory Committee, 2006-2007

National Eye Institute

Special Subcommittee on the Future of Clinical Trials Methodology, 1990
Glaucoma Surgical Outcomes Study Advisory Committee, 2000-2002

National Institute of Allergy and Infectious Diseases

Epidemiology and Technology Transfer Subcommittee of the AIDS Research Review
Committee, 1990-1994

National Institute of Health Reviewers Reserve, 1994-1998

Veterans Affairs Cooperative Studies Program - Cooperative Studies Scientific Evaluation
Committee (CSSEC) formerly Cooperative Studies Merit Review Board (CSSMRB), 2005-
(Acting Chair - 2011, 2012)

National Heart, Lung, and Blood Institute (NHLBI) - Strategic Plan for Cardiovascular Disease,
Level 1 Working Group on Clinical Trials Methodology, one of 12 designated thematic
areas - 2006

Texas Heart Institute

Director of Clinical Research Design, 2007-
Research Committee, 2008 –

ARTERY (tailored drug Titration through analytic intelligence: an interventional study)
Steering Committee - an NHLBI-funded clinical trial at UCSF, 2017-

Alzheimer's Association - Protect brain health through lifestyle Intervention to Reduce risk in the
U.S. (U.S. POINTER) Scientific Advisory Board, 2017-

DATA AND SAFETY MONITORING BOARD APPOINTMENTS:

Texas Children's Hospital Policy Advisory Committee

Alternate Day Steroids to Promote Growth in Children with Crohn's Disease, 1990-94

VA Cooperative Studies Operations Committee Data Monitoring Boards

Study #300, Detection & Treatment of Influenza A in High Risk Ambul. Pts, 1986-1990
Study #363, The VA HDL Intervention Trial (HIT), 1991-1997

National, Heart, Lung, and Blood Institute Data and Safety Monitoring Committees

Trial of Nonpharmacologic Interventions in the Elderly (TONE), 1992-1995
National Growth and Health Study (NGHS), 1992-1998
Magnesium in Coronary Arteries (MAGIC), 1998-2002
OmniHeart (Dietary Treatment of Hypertension), 2002-2005

Home Automatic External Defibrillator Trial (HAT), 2002-2007
OmniCarb (Dietary Treatment of Hypertension), 2007- 2010
Catheter Ablation vs Antiarrhythmic Drug Therapy for AFib Trial (CABANA), 2009-
Physician/Pharmacist Collaborative Management for Blood Pressure Control Trial
(CAPTION), Chair, 2009-2014
Systolic Blood Pressure Intervention Trial (SPRINT), 2010-
MEDication Focused Outpatient Care for Underutilization of Secondary Prevention
(MedFocus), Chair, 2014-
National Cancer Institute Data Monitoring Committee
Intergroup Rhabdomyosarcoma Study, 1993-1998
National Eye Institute Data Monitoring Committees
Ocular Hypertension Treatment Study (OHTS), Chair, 1993-2009
Randomized Trial for Retinitis Pigmentosa, 1995-2003
Pediatric Eye Disease investigative Group (PEDIG), 1997-
Studies of Ocular Complications of AIDS (SOCA), 1998-2013
National Institute of Dental Research Data Monitoring Committee
Children's Amalgam Trial (CAT), 1997-2005
National Institute of Diabetes and Digestive and Kidney Diseases Data Monitoring Committee
Action for Health in Diabetes (Look AHEAD), 2002 –2011
Epidemiology of Diabetes Interventions and Complications (EDIC) 2011 -
National Center for Complementary and Alternative Medicine (NCCAM).
Trial to Assess Chelation Therapy (TACT) 2003-2012
National Institute of Neurological Disorders and Stroke (NINDS)
A Randomized Multicenter Clinical Trial of Unruptured Brain AVMs (ARUBA), 2006-2013
National Institute on Alcohol Abuse and Alcoholism
The Moderate Alcohol and Cardiovascular Health Trial (MACH15) [and Protocol Review
Committee], 2017-
National Aeronautics and Space Administration
Prebreathe Reduction Protocol and Related Research, 2000-2001

CONSULTANT EXPERIENCE:

Providence VA, Providence, RI –Dept. Lab Services, Neurology Service Research Laboratory
Rhode Island Hospital, Providence, Rhode Island -The Cardiology Department
Baylor College of Medicine, Houston, Texas
Departments of Obstetrics and Gynecology, Endocrinology
Pediatric Gastroenterology Collaborative Research Group
The Stehlin Foundation for Cancer Research
The University of Texas Medical School, Houston, Texas - Department of Cardiology
Houston Department of Health and Human Services
Texas Task Force on AIDS
St. Joseph's Hospital, Houston, Texas - Departments of Microvascular Surgery, Plastic Surgery
Medical College of Georgia, Augusta, Georgia
Cardiac Pacemakers, Inc.
UAW-Ford National Joint Committee on Health and Safety

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Review Committees for NHLBI, NEI, NIDDK, NIAMS, NIAID
Bristol-Myers Squibb
Krug Life Sciences
National Aeronautics and Space Administration
G. D. Searle, Inc.
Bayer, Inc.
Merck, Inc.
Westat
SmithKline Beecham Pharmaceuticals
Eli Lilly and Company
Microsoft
Metrix Communications
Miravant
Parke-Davis
Pfizer, Inc.
Canadian Auto Workers Union
Universities Space Research Association
TAP Pharmaceutical Products, Inc.
GlaxoSmithKline
Amgen
Sunovion
Regeneron

PEER REVIEW ACTIVITIES:

Journals:

<i>AHFS Drug Information – Essentials Monograph</i>	<i>Controlled Clinical Trials</i>
<i>American Journal of Epidemiology</i>	<i>Current Cont. Trials in CV Medicine</i>
<i>American Journal of Hypertension</i>	<i>CVD Prevention</i>
<i>American Journal of Kidney Disease</i>	<i>Journal of American Geriatric Society</i>
<i>American Journal of Medicine</i>	<i>Journal of American Statistical Association</i>
<i>American Journal of Public Health</i>	<i>Journal of General Internal Medicine</i>
<i>Annals of Epidemiology</i>	<i>Journal of the National Cancer Institute</i>
<i>Archives of Ophthalmology</i>	<i>The Lancet</i>
<i>Biometrics</i>	<i>The Medical Letter</i>
<i>Chronobiology International</i>	<i>New England Journal of Medicine</i>
<i>Circulation</i>	<i>Preventive Medicine</i>
<i>Communications in Statistics</i>	<i>Statistics in Medicine</i>

Editorial Positions:

<i>Journal of American Statistical Association</i>	Assistant Editor, Special Biopharmaceutical Section Edition, 1990
<i>Controlled Clinical Trials</i>	Associate Editor, 1999-2003
<i>Circulation</i>	Statistical Reviewer, 2008 –
<i>Journal of the Society for Clinical Trials</i>	Associate Editor, 2008–
<i>Trials (Biomed Central),</i>	Associate Editor, 2008–
<i>Texas Heart Institute Journal</i>	Statistical Reviewer, 2008-
<i>Progress in Cardiovascular Diseases –</i>	Guest Editor (with Barbara Tilley), 2012
<i>Secondary Analyses in Cardiovascular Clinical</i>	
<i>Trials – Statistical and Other Considerations</i>	

Books:

Wiley-Interscience

Clinical Trials – A Methodological Perspective

Encyclopedia Of Clinical Trials

National Heart, Lung, and Blood Institute

Joint National Committee Hypertension Report (VIII), 2013

Funding Agencies (Various Review Committees since 1984):

National Institutes of Health - Div. of Research Grants and Epidemiology Study Section

National Heart, Lung, and Blood Institute.

National Institute of Allergy and Infectious Diseases.

National Institute of Arthritis and Musculoskeletal Diseases.

National Institute of Diabetes and Digestive and Kidney Diseases.

National Eye Institute

National Institute on Aging

National Institute of Craniofacial and Dental Research

Veterans Administration Cooperative Studies Program

Cooperatives Studies Scientific Evaluation Committee, 2004-

PROFESSIONAL ORGANIZATIONS:

American Association for the Advancement of Science--Fellow

American Heart Association Council on Epidemiology--Fellow

American College of Preventive Medicine--Fellow

American Statistical Association--Fellow

Houston Area Chapter

Chair, Biometrics Section, 2003

American Society of Hypertension

International Biometric Society

Institute of Mathematical Statistics

Sigma Xi--elected member

Society for Clinical Trials--President, 1999-2000, Fellow

SPONSORED RESEARCH:

1. Clinical Trials Center for "Antihypertensive and Lipid- Lowering Treatment to Prevent Heart Attack Trial" (ALLHAT). NHLBI Contract. 1993-2016.
2. Coordinating Center for "Trans-Cranial Doppler (TCD) With Transfusions Changing to Hydroxyurea" (TWiTCH). NHLBI R01. 2010-2015.
3. Coordinating Center for "FLuctuATIOn reduction with inSulin and Glp-1 Added together"(FLAT-SUGAR). (Subcontract from University of Washington, Seattle). 2011-2016.
4. Visit to Visit Variability of Blood Pressure and CVD and Renal Outcomes. NHLBI R01(Subcontract from University of Alabama, Birmingham). 2012-2015.
5. Sustained blood pressure control and progression of multimorbidity. NHLBI R01 (Subcontract from Duke University). 2016-2020.
6. Methods Training in Patient-Centered Cancer Outcomes Research. AHRQ R25 (Subcontract from MD Anderson Cancer Center). 2014-2019.
7. "Genetics of Hypertension Associated Treatments" (GENHAT). NHLBI R01. 1999- 2006. Renewal 2007-2012.
8. "Continuation of Trial of Antihypertensive Interventions and Management" (COTAIM). NHLBI R01. 1988-1995.
9. Coordinating Center, "Systolic Hypertension in the Elderly Program" (SHEP). NHLBI Contract. 1984-1995.
10. Coordinating Center, "Hypertension Detection and Follow-up Program" (HDFP). NHLBI Contract. 1983-1992.
11. Coordinating Center, "Multicenter Trial of Cryotherapy for Retinopathy of Prematurity" (CRYO-ROP). NEI Cooperative Agreement. 1985-2001.
12. Coordinating Center, the "Trial of Antihypertensive Interventions and Management" (TAIM). NHLBI R01; 1984-1988.
13. Coordinating Center, Cardiovascular Cell-based Therapy Research Network (CCTRN), NHLBI, UM1; 2091-2020.
14. Coordinating Center, Stem Cell Therapy for Hypoplastic Left Heart Syndrome (Subcontract to University of Miami), 2019-2022.
15. Long-term Benefits & Harms of Antihypertensive Drugs in the Elderly: Up to 22-year Follow-

Up of ALLHAT Trial Participants, NHLBI R01, 2018-2022.

PUBLICATIONS:

1. **Davis BR:** Nonparametric prediction analysis for binary data. *Communications in Statistics* 13(9):1161-1175, 1984.
2. **Davis BR:** An associative, hierarchical self-organizing system. *IEEE Transactions on Systems, Man and Cybernetics* 15(4):570-579, 1985.
3. **The HDFP Cooperative Group:** Mortality findings for stepped-care and referred-care participants in the Hypertension Detection and Follow-up Program, stratified by other risk factors. *Preventive Medicine* 14:312-335, 1985.
4. **Davis BR, Slymen DJ, Cooper C, Mutchler L:** A distributed data processing system in a multicenter clinical trial. *American Statistical Association 1985 Proceedings of the Statistical Computing Section 89-96, 1985.* (Refereed paper).
5. **Davis BR, Ford CE, Remington R, Stamler J, Hawkins CM:** The Hypertension Detection and Follow-up Program design, methods, and baseline characteristics and blood pressure response of the study population. *Progress in Cardiovascular Disease* 29(3) Suppl 1:11-28, 1986.
6. **The HDFP Cooperative Group:** Implications of the Hypertension Detection and Follow-up Program. *Progress in Cardiovascular Disease* 29(3) Suppl 1:3-10, 1986.
7. **Davis BR and Hardy RJ:** A suicide epidemic model. *Social Biology* 33:291-300, 1987.
8. **Davis BR, Langford HG, Blaufox MD, Curb JD, Polk BF, Shulman NB:** The association of systolic blood pressure change and mortality in persons with diastolic hypertension: The HDFP experience. *Circulation* 75(2):340-346, 1987.
9. **Davis BR, Curb JD, Tung B, Hawkins CM, Ehrmann S, Farmer J, Martin M:** Standardized physician preparation of death certificates. *Controlled Clinical Trials* 8:110-120, 1987.
10. **Davis BR, Furberg CD, Williams CB:** Survival analysis of adverse effects data in the Beta-Blocker Heart Attack Trial. *Clinical Pharmacology and Therapeutics* 41:611-615, 1987.
11. Cooper SP, Hardy RJ, Labarthe DR, et al., on behalf of the **HDFP Cooperative Group:** The relationship between degree of blood pressure reduction and mortality among hypertensives in the HDFP. *American Journal of Epidemiology* 127:387-403, 1988.
12. **Davis BR, Friedman LM, Lichstein E:** The prognostic value of the duration of the ambulatory electrocardiogram. *Medical Decision Making* 8:9-18, 1988.
13. **Davis BR, Friedman LM, Lichstein E:** Are 24 hours of ambulatory ECG recording necessary in the post-infarction patient? *American Heart Journal* 115:83-91, 1988.
14. **The HDFP Cooperative Group:** Eight-year follow-up of participants in the Hypertension Detection and Follow-up Program: Persistence of reduction in blood pressure and mortality in a treated hypertensive population. *Journal of the Amer Medical Assoc* 259:2113-2122, 1988.

15. **Davis BR**, Curb JD, Borhani NO, Prineas R, Molteni A: Coffee and serum cholesterol in the Hypertension Detection and Follow-up Program. *American Journal of Epidemiology* 128:124-136, 1988.
16. Daugherty SA on behalf of the **HDFP Cooperative Group**: Mortality findings beyond five years in the Hypertension Detection and Follow-up Program (HDFP). *Journal of Hypertension* 6:S597-S601, 1988.
17. Stehlin JS, de Ipolyi PD, Greef PJ, McGaff CJ, Jr., **Davis BR**, McNary L: Treatment of cancer of the liver: Experience with infusion and resection in 414 patients. *Annals of Surgery* 208:23-35, 1988. PMID: PMC1493568
18. **The CRYO-ROP Cooperative Group**: The Multicenter Trial of Cryotherapy for Retinopathy of Prematurity: Preliminary Results. *Archives of Ophthalmology* 106:471-479, 1988.
19. **The CRYO-ROP Cooperative Group**: The Multicenter Trial of Cryotherapy for Retinopathy of Prematurity: Preliminary Results. *Pediatrics* 81:697-708. 1988.
20. Stehlin JS, Greef PJ, de Ipolyi PD, Giovanella BC, Klein G, McGaff CJ, Jr., **Davis BR**, Williams LJ, Natelson EA, Anderson RF: Heat as an adjuvant in the treatment of advanced melanoma: An immune stimulant? *Houston Medical Journal* 4:61-82, 1988.
21. **The Systolic Hypertension in the Elderly Cooperative Research Group**: Rationale and design of a randomized clinical trial on prevention of stroke in isolated systolic hypertension. *Journal of Clinical Epidemiology* 41:1197-1208, 1988.
22. Shulman NB, Ford CE, Hall WD, et al., on behalf of the **HDFP Cooperative Group**: Prognostic value of serum creatinine and effect of hypertension on renal function. Results From the Hypertension Detection and Follow-up Program. *Hypertension* 13(Suppl 5):I-80 through I-93, 1989.
23. **Davis BR**, Blaufox MD, Hawkins CM, Langford HG, Oberman A, Swencionis C, Wassertheil-Smoller S, Wylie-Rosett J, Zimbaldi N: Trial of Antihypertensive Interventions and Management: Design, methods, and selected baseline results. *Controlled Clinical Trials* 10:11-30, 1989.
24. Kulkarni PR, Vernon SW, Jackson GL, Lairson D, **Davis BR**: Stage at diagnosis of breast cancer: A comparative study in a fee-for-service and health maintenance organization practice. *Medical Care* 27:608-622, 1989.
25. Probstfield JL, Applegate WB, Borhani NO, Curb JD, Cutler JA, **Davis BR**, Furberg CD, Hawkins CM, Lakatos E, Page LB, Perry HM, Jr., Schron E, Smith WM for the SHEP Cooperative Research Group: The Systolic Hypertension in the Elderly Program (SHEP): An intervention trial on isolated systolic hypertension. *Clinical and Experimental Hypertension, Part A: Theory and Practice*, A11(5&6):973-989, 1989.
26. Langford HG, Rockhold RW, Smoller SW, Oberman A, **Davis BR**, Blaufox MD: Effect of weight loss on thiazide produced erectile problems in men. *Transactions of the American Clinical and Climatological Association* 101:190-194, 1989. PMID: PMC2376483

27. Oberman A, Smoller SW, Langford HG, Blaufox MD, **Davis BR**, Blaszkowski T, Zimbaldi N, Hawkins CM: Pharmacologic and nutritional treatment of mild hypertension: Changes in cardiovascular status. *Annals of Internal Medicine* 112:89-95, 1990.
28. Ramirez G, Grimes RM, Annegers JR, **Davis BR**, Slater CH: Occupational physical activity and other risk factors for preterm birth among U.S. Army primagravidas. *American Journal of Public Health* 80:728-729, 1990.
29. Hardy RJ and **Davis BR**: The design, analysis, and monitoring of an ophthalmological clinical trial. *American Statistical Association 1989 Proceedings of the Biopharmaceutical Section* 248-253, 1989. (Refereed paper)
30. **The CRYO-ROP Cooperative Group**: The Multicenter Trial of Cryotherapy for Retinopathy of Prematurity: Three-month outcome. *Archives of Ophthalmology* 108:195-204, 1990.
31. Dobson V, Quinn GE, Biglan AW, et al., on behalf of the **CRYO-ROP Cooperative Group**: Acuity card assessment of visual function in the Cryotherapy for Retinopathy of Prematurity Trial. *Investigative Ophthalmology & Visual Science* 31:1702-1708, 1990.
32. Smoller SW, Langford HG, Yamani Y, Blaufox MD, Oberman A, **Davis B**, Narn Y, Wylie-Rosett J, Zimbaldi N: Estimation of protein intake: Comparison of dietary and urinary excretion. *Journal of Cardiovascular Pharmacology* 16 (Suppl 3):28-31, 1990.
33. **The CRYO-ROP Cooperative Group**: Multicenter Trial of Cryotherapy for Retinopathy of Prematurity: One year outcome--structure and function. *Archives of Ophthalmology* 108:1408-1416, 1990.
34. **Davis BR** and Hardy RJ: Upper bounds for type I and type II error rates in conditional power calculations. *Communications in Statistics--Theory and Methods* A19(10):3571-3584, 1990.
35. Langford HG, **Davis BR**, Blaufox MD, Oberman A, Wassertheil-Smoller S, Hawkins M, Zimbaldi N: Effect of drug and diet treatment of mild hypertension on diastolic blood pressure. *Hypertension* 17:210-217, 1991.
36. Quinn GE, Dobson V, Barr CC, **Davis BR**, Flynn JT, Palmer EA, Robertson J, Trese MT on behalf of the CRYO-ROP Cooperative Group: Visual acuity in infants after vitrectomy for severe retinopathy of prematurity. *Ophthalmology* 98:5-13, 1991.
37. Phelps DL, Brown DR, Tung B, et al., on behalf of the **CRYO-ROP Cooperative Group**: 28-day survival of 6676 neonates with birth weights of 1250 grams or less. *Pediatrics* 87:7-17, 1991.
38. Palmer E, Hardy RJ, **Davis BR**, Stein JA, Mowery R, Tung B, Phelps DL, Schaffer DB, Flynn JT, Phillips CL on behalf of the CRYO-ROP Cooperative Group: Operational aspects of early termination in the Multicenter Trial of Cryotherapy for Retinopathy of Prematurity. *Controlled Clinical Trials* 12:277-292, 1991.
39. Hardy RJ, **Davis BR**, Tung B, Palmer E on behalf of the CRYO-ROP Cooperative Group: Statistical considerations in the early termination of the Multicenter Trial of Cryotherapy for Retinopathy of Prematurity. *Controlled Clinical Trials* 12:293-303, 1991.

40. Borhani NO, Applegate WB, Cutler JA, **Davis BR**, Furberg CD, Lakatos E, Page L, Perry HM, Smith WM, Probstfield J: The Systolic Hypertension in the Elderly Program (SHEP). Part I: Rationale and design. *Hypertension* 17:II-2 - II-15, 1991.
41. Hall WD, **Davis BR**, Frost P, Hoffmeier M, O'Brien JE, Pace S, Page L, Schneider KA, Stamler J: The Systolic Hypertension in the Elderly Program (SHEP). Part 7: Baseline laboratory characteristics. *Hypertension* 17: II-102 - II-122, 1991.
42. Wittes J, **Davis BR**, Berge K, Cohen JD, Grimm RH, Hawkins CM, Kuller L: The Systolic Hypertension in the Elderly Program (SHEP). Part 10: Analysis. *Hypertension* 17:II-162-167, 1991.
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109. P Einhorn, R Shah, S Abbasi, JM Yamal, **B Davis**, J Barzilay, A Goldfine ALLHAT Collaborative Research Group. Impaired fasting glucose and body mass index as determinants of diabetes and mortality in the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT): is the obesity paradox real? *Journal of the American Society of Hypertension* 8 (4), e120-e121, 2014.
110. M Lee, M Bonner, O Alvarez, L Hilliard, J Rothman, B Mueller, I Osunkwo, . Sara Pressel, **Barry Davis**, Russell Ware. Neurocognitive functioning and health-related quality of life of children with sickle-cell disease on chronic transfusion for abnormal transcranial doppler ultrasonography: baseline results from the tcd with transfusions changing to hydroxyurea (TWITCH) trial. *Pediatric Blood & Cancer* 61, S92-S92, 2014.
111. L Kaasenbrood, NR Poulter, PS Sever, H Colhoun, SJ Livingstone, SL Pressel, **BR Davis**, Y van der Graaf, SM Boekholdt, FL Visseren. Statin Therapy in Patients With Type 2

Diabetes: Development and Validation of a Model to Predict Individualized Treatment Effects Based on the ASCOT, ALLHAT and CARDS Trials. *Circulation* 130 (Suppl 2), A11552-A11552.

INVITED PRESENTATIONS – SELECTED SAMPLE

1. American Statistical Association
A distributed data processing system in a multicenter clinical trial
Las Vegas, Nevada, August, 1985
2. The Drug Information Association Workshop on Clinical Data Management--The State of the Art Remote data entry from a coordinating center perspective: The SHEP experience
Philadelphia, Pennsylvania, September, 1985
3. Research Seminar in Probability and Pattern Theory, Brown University
Theory and practice of clinical trials
Providence, Rhode Island, November, 1985
4. National Heart, Lung, and Blood Institute
The value of duration of the ambulatory ECG: A decision analysis approach
Bethesda, Maryland, September, 1986
5. The Drug Information Association
Hardware and software considerations for the management of large clinical trials
San Francisco, California, June, 1987
6. Houston Area Chapter of the American Statistical Association
Modeling the AIDS epidemic
Houston, Texas, February, 1988
7. Medical Grand Rounds, Baylor College of Medicine
Modeling the AIDS epidemic
Houston, Texas, April, 1988
8. Annual Conference of Texas Statisticians
Short-term projections of AIDS incidence in Texas
Houston, Texas, March, 1990
9. Department of Veterans' Affairs Cooperative Studies Program
Biostatisticians' and Pharmacists' Meeting
Sequential Monitoring
Toronto, Ontario, Canada, May, 1990
10. Houston Area Chapter of the American Statistical Association
Operational and statistical issues in a clinical trials coordinating center
Houston, Texas, December, 1990
11. American Society for Hypertension
Is there a J-shape phenomenon in the treatment of isolated systolic hypertension?
New York, New York, May, 1992

12. International Society of Hypertension in Blacks
Long-term results by race for diet and drug therapy of hypertension
Atlanta, Georgia, May, 1992
13. Icelandic Congress for Cardiology/Internal Medicine
Results on the Survival and Ventricular Enlargement (SAVE) Trial
Egilstadir, Iceland, June, 1992
14. Department of Public Health, University of Sydney
The Systolic Hypertension in the Elderly Program (SHEP): Final results
Sydney, Australia, December, 1992
15. National Medical Association
Clinical trials design: Monitoring and analysis
Orlando, Florida, July, 1994
16. Memorial Session for Richard D. Remington - American Statistical Association
Stochastic curtailment methods
Toronto, Ontario, Canada, August, 1994
17. Society for Clinical Trials
Equal risk for equal measures?
Pittsburgh, Pennsylvania, May, 1996
18. Finnish Society of Hypertension
The Systolic Hypertension in the Elderly Program – Results by Diabetes Status
Helsinki, Finland, May, 1996
19. International Symposium on Hypertension in the Community: Screening, Investigation, and Therapy. ALLHAT: The largest clinical trial in hypertension ever conducted
Geneva, Switzerland, February, 1998
20. NIH Workshop on Research Needs for the Design and Analysis of Surrogate Endpoints in Clinical Trials Equal risk for equal measures?
Cardiovascular disease, blood pressure, and lipids.
Potomac, Maryland, December, 1998
21. American College of Cardiology
The Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT): Interim Results .
Anaheim, California, March, 2000
22. University of Texas Medical School Grand Rounds
The Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT)
Houston, Texas, March, 2001
23. Uncontrolled Systolic Hypertension Symposium – American Journal of Cardiology
The Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT)

Washington, D.C., April, 2002

24. Chilean Society of Internal Medicine
Heart failure in Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial
Santiago, Chile, October, 2003
25. American Society of Hypertension
Diuretics versus ACE inhibitors and calcium channel blockers for the prevention of heart failure
New York, New York, May, 2004
26. Washington University, Department of Biostatistics
Gene-treatment interactions -Genetics of Hypertension Associated Treatment (GenHAT) Study
St. Louis, Missouri, April, 2005
27. Blood Pressure Lowering Treatment Trialists' Collaboration - Heart failure in Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial
Milan, Italy, June, 2005
28. Spinal Cord Injury Trials Workshop – Methodist Hospital Neurological Institute
Phase II trials design
Houston, Texas, January, 2006
29. American Society of Hypertension
Metabolic consequences of hypertension treatment
New York, New York, May 2006
30. American Statistical Association
Are megatrials worth it?
Seattle, Washington, August, 2006
31. Workshop sponsored by Centers for Disease Control and Prevention, National Cancer Institute, National Human Genome Research Institute and National Heart, Lung and Blood Institute. Personal Genomics: Establishing the scientific foundation for using personal genome profiles for risk assessment, health promotion and disease prevention. Scientific evaluation of the impact of interventions associated with genetic risk factor information.
Bethesda, Maryland, USA December, 2008
32. NHLBI – DPPS – ALLHAT, Lessons Learned
Bethesda, MD, USA January 2009
33. Institute of Medicine, Committee on Public Health Priorities to Reduce and Control Hypertension in the U.S. Population The Hypertension, Detection, and Follow-up Program (HDFP) and the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT)
Washington, DC, USA April 2009.
34. International Chinese Statistical Association – Does it matter how you lower blood pressure?

San Francisco, CA, June, 2009.

35. Joint Statistical Meetings – Panel Discussion on Stopping Boundaries for Harm in Clinical Trials
Washington, DC, August 2009
36. American Heart Association Scientific Sessions – Symposium for ALLHAT- Overview of ALLHAT post-trial follow-up
Orlando, FL November, 2009
37. American Society of Hypertension – Symposium for ALLHAT- Overview of ALLHAT post-trial follow-up
New York, NY May, 2010
38. Case Western Reserve University School of Medicine – Department of Epidemiology and Biostatistics - The Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT) – Expected and Unexpected Challenges
Cleveland OH June, 2010
39. University of Florida School of Medicine and College of Public Health, Department of Biostatistics – Statistical Issues Arising in the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT).
Gainesville, FL September 2010
40. Centers for Disease Control – Heart Disease and Stroke Prevention 2010 - Clinical Guidelines Getting to Practice - The Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT)
Atlanta, GA September 2010
41. International Biometric Conference – Scientific Evaluation of the Impact of Interventions Associated with Genetic Risk Factor Information
Florianopolis, Brazil December 2010
42. University of Kansas Medical Center, Department of Biostatistics – Statistical Issues Arising in the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT).
Kansas City, KS September 2011
43. Baylor College of Medicine, Cardiology Conference - The Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT) – Expected and Unexpected Challenges
Houston, TX October 2011
44. Duke University School of Medicine - The Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT) – Expected and Unexpected Challenges
Durham, NC, August 2012
45. 7th Annual Yatsu Symposium, Disparities in Stroke, Memorial Hermann – Texas Medical

Center, – Gaps in Knowledge and Future Research Opportunities
Houston, TX, November, 2012

46. Alpha-1 Foundation, Clinical Trial Design for Alpha-1 Antitrypsin Deficiency: A Model for Rare Diseases Pre-Competitive Trial Design.
Bethesda, MD February, 2014
47. American Society of Hypertension. Important Clinical Lessons Learned from Hypertension Trials.
New York, NY, May 2015
48. National Heart, Lung, and Blood Institute Workshop on Research Needs to Improve Hypertension Treatment and Control in African Americans. Multiple Outcomes and Composite Outcomes - What Do They Mean for the Patient? Statistical Aspects.
Bethesda, MD October, 2015.
49. Abdul-Rahim AH, Ali M, Fitzmaurice DA, Lip GYH, Mant J, **Davis BR**, Waldo AL, Berry C, McMurray JJV, Petrie JR, Sattar N, Lowe GD, Herz M, Lees KR, for the VICCTA Steering Committee, Advancing knowledge by optimising use of existing data: VICCTA Collaboration. Presented at International Stroke Conference. San Diego, CA 2014.
50. Tenth Annual Clinical Trials Conference University of Pennsylvania, April 2017, Philadelphia, PA
51. Duke Industry Statistics Symposium, Duke University, September 2017, Durham , NC
52. Washington University School of Medicine. Challenges of a Large Pragmatic Trial.
St. Louis, MO. June, 2018
53. Florida Atlantic University. Coordinating Clinical Trials.
Boca Raton, FL, September, 2018.