

CURRICULUM VITAE

ROBERT JACKSON HARDY

Date of Birth: October 27, 1940 Place of Birth: Alexandria, Louisiana

Citizenship: U.S. Citizen Marital Status: Married. Two children

Professional Title: Professor (Biostatistics)

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<u>EDUCATION:</u>	Southeastern Louisiana University	B.S.	1962
	Tulane University	M.S.	1964
	University of California, Berkeley	Ph.D.	1969

APPOINTMENTS:

Professor of Biostatistics, The University of Texas School of Public Health, Health Science Center at Houston, Houston, Texas, 1978 - present.. Convener, Biostatistics faculty 1978-1983, 1995-1997.

Professor of Ophthalmology, The University of Texas Health Science Center at Houston, Houston, Texas, 2011 – Present.

Director, Division of Biostatistics, The University of Texas School of Public Health, Health Science Center at Houston, Texas, 2006 – 2009.

Allan King Professor in Public Health, The University of Texas School of Public Health, Health Science Center at Houston, Texas, 2002 – 2008.

Director, Coordinating Center for Clinical Trials, The University of Texas School of Public Health, Health Science Center at Houston, Texas, 2007.

APPOINTMENTS (Continued):

Co-Director, Coordinating Center for Clinical Trials, The University of Texas School of Public Health, Health Science Center at Houston, Texas, 2000 - 2004.

Associate Dean for Academic Affairs, The University of Texas School of Public Health, Health Science Center at Houston, 1988-1994.

Professor of Biostatistics, The University of Texas M.D. Anderson Cancer Center, 1989-2007, non-salary appointment.

Associate Professor of Biostatistics, The University of Texas School of Public Health, Health Science Center at Houston, Disease Control Module, Houston, Texas, 1975-1978. Convener, Biostatistics faculty.

Deputy Director, Coordinating Center, Hypertension Detection and Follow-up Program, The University of Texas School of Public Health, Health Science Center at Houston, 1975-1977.

Associate Professor of Biometry, Yale University School of Medicine, Department of Epidemiology and Public Health (Biometry), New Haven, Connecticut, 1974-1975.

Assistant Professor of Biometry, Yale University School of Public Health, Department of Epidemiology and Public Health (Biometry), New Haven, Connecticut, 1969-1974.

Instructor, Advanced International Seminar on the Epidemiology and Prevention of Cardiovascular Diseases, Ireland, 1985.

Faculty, International Seminar on the Epidemiology and Prevention of Cardiovascular Diseases, The Netherlands, 1984.

Faculty, International Seminar on the Epidemiology and Prevention of Cardiovascular Diseases, Japan, 1983.

Faculty, Advanced International Seminar on the Epidemiology and Prevention of Cardiovascular Diseases, Finland, 1982.

Faculty, Seventh U.S. Ten-day Seminar on the Epidemiology and Prevention of Cardiovascular Diseases, Lake Tahoe, California, 1981.

Faculty, Sixth U.S. Ten-day Seminar on the Epidemiology and Prevention of Cardiovascular Diseases, Lake Tahoe, California, 1980.

Faculty, Fifth U.S. Ten-day Seminar on the Epidemiology and Prevention of Cardiovascular Diseases, Steamboat Springs, Colorado, 1979.

Faculty, Fourth U.S. Ten-day Seminar on the Epidemiology and Prevention of Cardiovascular Diseases, Lake Tahoe, California, 1978.

APPOINTMENTS (Continued):

Faculty, Third U.S. Ten-day Seminar on the Epidemiology and Prevention of Cardiovascular Diseases, Mt. Snow, Vermont, Summer 1977.

Faculty, Sixteenth Annual Summer Session on Statistics in the Health Sciences, The University of Texas School of Public Health, Houston, Texas, Summer 1974.

Faculty, Fifteenth Annual Summer Session on Statistics in the Health Sciences, The University of Texas School of Public Health, Houston, Texas, Summer 1973.

Biostatistician, Tulane School of Medicine, New Orleans, Louisiana, 1964-1965.

Mathematician-Statistical Consultant, Nasa-Ames Research Ctr, June-September 1966.

HONORS AND AWARDS

Allan King Professor in Public Health, The University of Texas School of Public Health, Health Science Center at Houston, Texas (2002 - 2008)

Honorary Lifetime Member, American Association for Pediatric Ophthalmology and Strabismus (2005 - Present)

Champion of Public Health, Tulane University School of Public Health and Tropical Medicine, (2005)

Fellow of the Society for Clinical Trials (2010 - Present)

CONSULTING ACTIVITIES AND ADVISORY BOARDS:

Rockefeller Foundation--studies on schistosomiasis (1972-1975).

Gulf Oil Corporation--epidemiology studies (1979-1985).

Conoco Chemical Company--epidemiology studies (1981).

Exxon Corporation--Lecture on statistics in industrial hygiene (1982).

Pharmaceutical Manufacturer Association--consultant (1982).

National Institutes of Health--Effects of Nuclear Weapons Testing on Health: Report of the Panel of Experts on the Documents of the Public Health Service Volumes I, II, III, May '80 (1978-1980).

Bascom Palmer Eye Institute Grant to study continuous O² monitoring and the prevention of RLF, NEI--Data Monitoring and Safety Committee (1981-1986).

National Institute of Neurological and Communicative Disorders and Stroke--Epilepsy Advisory Committee (1983-1985).

State of New York--Committee for the Review of Doctoral Programs in Epidemiology and Biostatistics--Columbia University (1987).

CONSULTING ACTIVITIES AND ADVISORY BOARDS (Continued):

University of Oklahoma--Committee to Review Doctoral Program in Epidemiology and Biostatistics (1988).

University of Michigan--Committee to Review Biostatistics Program (1990).

COOPERATIVE TRIAL ACTIVITIES:

Aspirin in Transient Ischemic Attacks Trial--statistical consultant for the Coordinating Center of the trial (1975-1982).

Hypertension Detection and Follow-up Trial, NIH--statistical analysis of survival data and Co-Investigator, Coordinating Center (1975-1995).

Aspirin-Persantine in the prevention of stroke--Executive Committee and Consultant, Coordinating Center (1979-1987).

Beta-Blocker Heart Attack Trial, NIH--statistical analysis of survival data and Co-Investigator, Coordinating Center (1979-1992).

Aspirin in Myocardial Infarction Trial--Policy Advisory Board (1979-1982).

Prospective Evaluation of Radial Keratotomy, National Eye Institute--Data and Safety Monitoring Board (1982-1986).

Prospective Evaluation of Radial Keratotomy, National Eye Institute--Chair, Data and Safety Monitoring Board (Follow-up of PERK participants)--(1993-1997).

Cooperative Trial of Therapy of Juvenile Rheumatoid Arthritis, NIH--statistical review board for the U.S.-Russian Trial (1982-1984).

Trental in the Treatment of Acute Stroke--Hoechst Roussel Pharmaceuticals Inc., Chairman-Independent Review Panel (1984-1986).

Systolic Hypertension in the Elderly Program (SHEP)--Co-Investigator, Coordinating Center (1984-1994).

A Multi-Center Trial of Cryotherapy Treatment of Retinopathy of Prematurity, Executive Committee, Editorial Committee, and Principal Investigator for the Coordinating Center (1985-2003).

Central Vein Occlusion Study--Chair, Data and Safety Monitoring Committee (1988-1994).

Dietary Intervention Study in Children--Member, Data and Safety Monitoring Committee (1988-1998).

Collaborative Normal Fusion Glaucoma Study--Member, Data and Safety Monitoring Committee (1993-1998).

CONSULTING ACTIVITIES AND ADVISORY BOARDS (Continued):

Study of Antihypertensive Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT)--Co-Investigator, Coordinating Center (1993-1998).

Core Grant for Vision Research--Director, Biostatistics Module (1994-Present).

Feasibility Trial of Light Reduction in Retinopathy of Prematurity--Executive Committee, Editorial Committee and Principal Investigator, Coordinating Center (1994-2000).

University of Texas Health Science Center-Houston Faculty Salary Equity Study--Member (1994-1998).

PURSUIT Study--Member, Data and Safety Monitoring Committee (1995-1998).

University of Texas Health Science Center-Houston School of Public Health Faculty Salary Study--Chair (1996-1998).

Correction of Myopia Evaluation Trial (COMET)--Chair, Data and Safety Monitoring Committee (1996-2003).

The Multicenter Trial of Early Treatment for Retinopathy of Prematurity, Executive Committee and Principal Investigator for the Coordinating Center (1999-Present).

Obstetrics and Periodontal Therapy (OPT) Study - Chair, Data and Safety Monitoring Committee, University of Minnesota School of Dentistry (2002-2006)

Maternal Oral Therapy to Reduce Obstetric Risk (MOTOR) - Chair, Data and Safety Monitoring Committee, National Institute of Dental and Craniofacial Research (2003-2008)

Infant Aphakia Treatment Study (IATS) - Chair, Data and Safety Monitoring Committee, Emory University School of Public Health (2004-Present)

Amblyopia in Astigmatic Children: Development and Treatment, Part II (AADCAT) – Chair, Data Monitoring and Oversight Committee, University of Arizona Health Sciences Center (2006 – Present)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

American Statistics Association (ASA)
Houston Chapter, President (1983-1984)

International Biometric Society (ENAR)

Sigma Xi

The Society for Clinical Trials (SCT)

American Association for the Advancement of Science (AAAS)

Association for Research in Vision and Ophthalmology (ARVO)

American Public Health Association (APHA)

SELECTED FUNDING

NHLBI	
1. Systolic Hypertension in the Elderly Program (SHEP) [also NIA] 1984-1993 (Co-investigator)	\$ 9,003,630
2. Beta-Blocker Heart Attack Trial (BHAT) 1984-1993 (Co-investigator)	\$ 4,208,443
3. Hypertension Detection and Follow-up Program (HDFP) 1971-1993 (Co-investigator)	\$ 18,059,234
NEI	
4. Early Treatment for Retinopathy of Prematurity (ETROP) 1999-2013 (Principal Investigator)	\$ 18,449,840
5. Light Reduction in Prevention of Retinopathy of Prematurity (LIGHT-ROP); 1995-2000 (Principal Investigator)	\$ 441,535
6. Cryotherapy for Retinopathy of Prematurity Study (CRYO-ROP) 1985-2003	\$ 4,534,242

PUBLICATIONS:

White C, Hardy RJ: Huygens' Graph of Graunt's Data. Isis 61: 107-108, 1970.

Hardy RJ, White C: Matching in Retrospective Studies. American Journal of Epidemiology 93(2):75-76, 1971.

Hardy RJ: A Comparison of Two Models for Competing Risks of Death. Biometrics 28(1):266, 1972.

Weinman EJ, Hardy RJ, Kashgarian M, Hayslett JP: Examination of the Gertz Technique as Applied to the Proximal Tubule of the Rat Kidney. Yale Journal of Biology and Medicine 45(3-4):289-298, 1972.

White A, Southwick W, DePonte R, Gainor J, Hardy RJ: Factors Associated with Pain Relief in Patients with Anterior Cervical Fusion (A Report of 65 Patients). Journal of Bone and Joint Surgery 55-A(3):525-533, 1973.

Hardy RJ, Weinman EJ: A Stochastic Model for the Reabsorption of Isotonic Saline by the Tubules in the Kidney. Biometrics 30:33-40, 1974.

White A, Panjabi M, Hardy RJ: Analysis of Mechanical Symmetry in Rabbit Long Bones. Acta. Orthop. Scand. 45:328-336, 1974.

Kelsey JL, Greenberg RA, Hardy RJ, Johnson MF: Pregnancy and the Syndrome of Herniated Lumbar Intervertebral Disc; An Epidemiological Study. Yale Journal of Biology and Medicine 48:361-368, 1975.

Kelsey JL, Hardy RJ: Driving of Motor Vehicles as a Risk Factor for Acute Herniated Lumbar Intervertebral Disc. American Journal of Epidemiology 102:63-73, 1975.

Kaufman JM, Hardy RJ, Hayslett JP: Age-Dependent Characteristics of Compensatory Renal Growth. Kidney International 8:21-26, 1975.

Holford TR, Hardy RJ: A Stochastic Model for the Analysis of Age-Specific Prevalence Curves in Schistosomiasis. Journal of Chronic Diseases 29(7):445-458, 1976.

Hardy RJ, Cutter GR, Hawkins CM: Sodium Excretion and Sympathetic Activity in Relation to Severity of Hypertensive Disease. Lancet, August 28, p. 471, 1976.

Fields WS, Lemak NA, Frankowski RF, Hardy RJ: Controlled Trial of Aspirin in Cerebral Ischemia. Stroke 8(3):301-316, 1977.

Fisher R, Severs R, Hardy RJ: Parallelism of Atmospheric Potential and Mortality in Air Pollution Episodes. International Journal of Biometeorology 21(4):311-318, 1977.

Fields WS, Lemak NA, Frankowski RF, Hardy RJ: Controlled Trial of Aspirin in Cerebral Ischemia. Part II: Surgical Group. Stroke 9(4):309-319, 1978.

PUBLICATIONS (Continued):

HDFP Cooperative Study Group: Patient Participation in a Hypertension Control Program. Journal of the American Medical Association 239: 1507-1514, 1978.

Tsai SP, Lee ES, Hardy RJ: The Effect of Reduction in Leading Causes of Death. American Journal of Public Health, 68:966-971, 1978.

Jones RR, Cech II, Holguin AH, Hardy RJ: Evaluation of the Relationship of Sodium in Drinking Water and Toxemia of Pregnancy. American Journal of Public Health 69:917-921, 1979.

Fields WS, Lemak NA, Frankowski RF, Hardy RJ: Controlled Trial of Aspirin in Cerebral Ischemia (AITIA Study). Monograph.

Peduzzi PN, Holford TR, Hardy RJ: A Computer Program for Life Table Regression Analysis with Time Dependent Covariates. Computer Programs in Biomedicine 9:106-114, 1979.

Expert Panel Report to the Director of the National Institutes of Health. Hardy RJ, Leader RW, Motulsky AG, Wald N, Winkelstein W (chairman), Effects of Nuclear Weapons Testing on Health: Report of the Panel of Experts on the Documents of the Public Health Service, Volumes I, II, III. National Institutes of Health, Department of Health, Education, and Welfare, 1979.

HDFP Cooperative Study Group: Five-Year Findings of the Hypertension Detection and Follow-up Program. I. Reduction in Mortality of Persons with High Blood Pressure, Including Mild Hypertension. Journal of the American Medical Association 242(23):2562-2571, 1979.

HDFP Cooperative Study Group: Five-Year Findings of the Hypertension Detection and Follow-up Program. II. Mortality by Race, Sex and Age. Journal of the American Medical Association 242(23):2572-2577, 1979.

Dunn JK, Hardy RJ: A Stochastic Model for the Occurrence of Transient Ischemic Attacks. Biometrics 36(1):91-103, 1980.

Peduzzi PN, Hardy RJ, Holford TR: A Stepwise Variable Selection Procedure for Non-Linear Regression Models. Biometrics 36(3):511-516, 1980.

Smith EO, Hardy RJ, Cutter G, Curb D, Hawkins CM: Application of Survival Analysis Techniques to the Evaluation of Factors Affecting Compliance in a Clinical Trial of Hypertension Control. Controlled Clinical Trials 1:59-69, 1980.

Smith EO, Hardy RJ, Cutter GR: A Two Compartment Regression Model Applied to Compliance in a Hypertension Treatment Program. Journal of Chronic Diseases 33:645-651, 1980.

PUBLICATIONS (Continued):

Smith EO, Hardy RJ, Cooper C: Two Compartment Regression Analysis. Computer Programs in Biomedicine, Vol. 12:129-140, 1980.

Fields WS, Lemak NA, Frankowski RF, Hardy RJ: Implications of Aspirin Trials in Transient Ischemic Attacks and Stroke. Proceedings of the Royal Society of Medicine, International Congress and Symposium, Series number 30. Published by Academic Press and The Royal Society of Medicine, 1980.

Fields WS, Lemak NA, Frankowski RF, Hardy RJ, Bigelow R: Controlled Trial of Aspirin in Cerebral Ischemia. Circulation, Supp. 5, 62:90-96, 1980.

Beta-Blocker Heart Attack Study Group. The Beta-Blocker Heart Attack Trial. Journal of the American Medical Association 246(18):2073-2074, 1981.

Beta-Blocker Heart Attack Trial Research Group: Beta-Blocker Heart Attack Trial: Design Features. Controlled Clinical Trials 2:275-285, 1981.

Curb D, Hardy RJ, Labarthe D, Borhani N, Taylor J: Reserpine and Breast Cancer in the HDFP. Hypertension 4:307-311, 1982.

HDFP Cooperative Group: Five Year Findings of the Hypertension Detection and Follow-up Program: III. Reduction in Stroke Incidence Among Persons with High Blood Pressure. Journal of the American Medical Association 247, No. 5:633-638, February 5, 1982.

Beta-Blocker Heart Attack Trial Research Group: A Randomized Trial of Propranolol in Patients with Acute Myocardial Infarction. I. Mortality Results. Journal of the American Medical Association 247, No. 12: 1707-1714, March 26, 1982.

Smith EO, Curb JD, Hardy RJ, Hawkins CM, Tyroler HA: Clinic Attendance in the Hypertension Detection and Follow-up Program. Hypertension 4(5):710-715, September-October 1982.

HDFP Cooperative Group: The Effect of Treatment on Mortality in 'Mild' Hypertension. The New England Journal of Medicine 307(16):976-980, October 14, 1982.

Kraus JF, Conley A, Hardy RJ, Sexton M, Sweezy Z: Relationship of Demographic Characteristics of Interviewers to Blood Pressure Measurements. Journal of Community Health 8(1):3-12, 1982.

Beta-Blocker Heart Attack Trial Research Group: Randomized Trial of Propranolol in Patients with Acute Myocardial Infarction. II. Morbidity Results. Journal of the American Medical Association 250:2814-2819, 1983.

Hardy RJ, Hawkins CM: The Impact of Selected Indices of Antihypertensive Treatment on All-Cause Mortality. American Journal of Epidemiology 117, No. 5:566-574, 1983.

PUBLICATIONS (Continued):

American-Canadian Cooperative Study Group: Persantine-Aspirin in Cerebral Ischemia. Stroke 14:99-103, 1983.

Tsai SP, Hardy RJ, Lee ES: A Note on the Reduction of a Risk of Death. Social Biology 30:228-233, 1983.

Selwyn BJ, Hardy RJ, Stock TH, Jenkins DE: Effect of Exposure to Air Pollution on the Respiratory Function of Healthy Runners: Methods and Preliminary Findings. Chapter 35 In International Symposium on The Biomedical Effects of Ozone and Related Photochemical Oxidants, editors SD Lee, MG Mustafa, and MA Mehlman. Volume V, Advances in Modern Environmental Toxicology. Princeton: Princeton Scientific Publishers, Inc., 1983.

Morris DL, Borhani MD, Fitzsimmons E, Hardy RJ, Mastbaum L, Payne G: Serum Cholesterol and Cancer in the Hypertension Detection and Follow-up Program. Cancer 52:1954-1759, 1983.

HDFP Cooperative Group: Hypertension Detection and Follow-up Program: Baseline Characteristics of the Enumerated, Screened, and Hypertensive Participants. Hypertension 5 (Suppl. 2):IV-1 through IV-205, 1983.

DeMets D, Hardy RJ, Friedman L, Lan G: Statistical Aspects of Early Termination in the Beta-Blocker Heart Attack Trial. Controlled Clinical Trials 5:362-372, 1984.

HDFP Cooperative Group: Five-Year Findings of the Hypertension Detection and Follow-up Program: Mortality by Age-Sex and Blood Pressure Level, A Further Analysis. Journal of Community Health 9:314-327, 1984.

Chiang YK, Hardy RJ, Hawkins CM, Kapadia AS: A Computer Program for an Illness-Death Process with Time-Dependent Covariates. Computer Methods and Programs in Biomedicine 20:249-260, 1985.

Palmer E, Biglan A, Hardy RJ: Retinal Ablative Therapy for Active Proliferative ROP, History, Current Status and Prospects. Retinopathy of Prematurity, Blackwell Scientific Publication, Inc. Oxford, England, 1985.

Hardy RJ: Personality Characteristics: Methodology Discussion. Proceedings of a Workshop: Measuring Psychosocial Variables in Epidemiologic Studies of Cardiovascular Disease. NIH Publication Number 85-2270, 361-362, 1985.

American-Canadian Cooperative Study Group: Persantine Aspirin Trial in Cerebral Ischemia, Part II: Endpoint Results. Stroke 16:406-415, 1985.

Selwyn BJ, Stock TH, Hardy RJ, Chan FA, Jenkins DE, Kotchmar DJ, Chapman RS: Health Effects of Ambient Ozone Exposure in Vigorously Exercising Adults in Evaluation of the Scientific Basis for Ozone/Oxidant Standards. eds. S.D. Lee, Air Pollution Control Association, Pittsburgh, Penn. pp. 250-261. (a peer reviewed publication), 1985.

PUBLICATIONS (Continued):

American-Canadian Cooperative Study Group: Controlled Trial of Aspirin in Cerebral Ischemia: Subgroup Analysis and Addendum. Stroke 17:12-18, 1986.

The Hypertension Detection and Follow-up Program Cooperative Group: Results and Implications of the Hypertension Detection and Follow-up Program. Progress in Cardiovascular Diseases 29:3-98, 1986.

Davis BR, Hardy RJ: A Suicide Epidemic Model. Social Biology 33:291-300, 1987.

The Hypertension Detection and Follow-up Program Cooperative Group: Educational Level and 5-Year All-Cause Mortality in the Hypertension Detection and Follow-up Program. Hypertension 9:641-646, 1987.

Stehlin JS, de Ipolyi PD, Greeff PJ, Gutierrez AE, Hardy RJ, Dahiya SL: A Ten-Year Study of Partial Mastectomy for Carcinoma of the Breast. Surgery, Gynecology and Obstetrics 165(3):191-198, 1987.

Houston DE, Noller KL, Melton LJ,III, Selwyn BJ, Hardy RJ: Incidence of Pelvic Endometriosis in Rochester, Minnesota, 1970-79. American Journal of Epidemiology 125:959-969, 1987.

Cooper SP, Hardy RJ, Labarthe DR, Hawkins CM, Smith EO, Blaufox MD, Cooper CJ, Entwisle G, Maxwell MH, on behalf of the Hypertension Detection and Follow-up Cooperative Group: The Relationship between Degree of Blood Pressure Reduction and Mortality Among Hypertensives in the Hypertension Detection and Follow-up Program. American Journal of Epidemiology 127:387-403, 1988.

Ives JC, Buffler PA, Selwyn BJ, Hardy RJ, Decker M: Lung Cancer Mortality Among Women Employed in High Risk Industries and Occupations in Harris County, Texas; 1977-1980. American Journal of Epidemiology 127:65-74, 1988.

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.

The Cryotherapy for Retinopathy of Prematurity (CRYO) Cooperative Group (Writing Committee, Member): Multicenter Trial of Cryotherapy for Retinopathy of Prematurity: Preliminary Results. Arch Ophthalmol 106:471-479, 1988.

The Cryotherapy for Retinopathy of Prematurity (CRYO) Cooperative Group (Writing Committee, Member): Multicenter Trial of Cryotherapy for Retinopathy of Prematurity: Preliminary Results. Pediatrics 81:697-706, 1988.

Buffler PA, Cooper SP, Stinnett S, Contant C, Shirts S, Hardy RJ: Air Pollution and Lung Cancer Mortality in Harris County, Texas, 1979-1981. American Journal of Epidemiology 128:683-689, 1988.

PUBLICATIONS (Continued):

- Multicenter Trial of Cryotherapy for Retinopathy of Prematurity Cooperative Group (Writing Committee, Member). Manual of Procedures, Vol I. Springfield, Va: National Technical Information Service. US Dept of Commerce publication PB88-163530, 1988.
- Chiang YK, Hardy RJ, Hawkins CM, Kapadia AS: An Illness-death Process with Time-dependent Covariates. Biometrics 45:669-681, 1989.
- Hardy RJ, and Davis BR: The design, analysis, and monitoring of an ophthalmological clinical trial. ASA Proceedings of the Biopharmaceutical Section 248-253, 1989.
- Cooper SP, Ford CE, Hardy RJ, Davis BR, Hawkins CM, Labarthe DL: The "J-shaped" relationship in hypertension treatment. Letter to the Editor. The American Journal of Hypertension 3:733-734, 1990.
- The CRYO-ROP Research Group (Writing Committee, Member): The multicenter trial of cryotherapy for retinopathy of prematurity: Outcome three-month. Arch Ophthalmol 108:195-204, 1990.
- Hardy RJ, Schroder GD, Cooper SP, Buffler PA, Prichard HM, Crane MM: A Surveillance System for Assessing Health Effects from Hazardous Exposures. American Journal of Epidemiology 132:532-542, 1990.
- 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 19(10):3571-3584, 1990.
- Watzke RC, Robertson JE, Palmer EA, et al.: Photographic grading in the retinopathy of prematurity trial. Arch Ophthalmol 108:950-955, 1990.
- Dobson V, Quinn GE, Biglan AW, et al.: Acuity card assessment of visual function in the cryotherapy for retinopathy of prematurity trial. Invest Ophthalmol Vis Sci 31(9):1702-1708, 1990.
- The CRYO-ROP Research Group (Writing Committee, Member): Multicenter Trial of Cryotherapy for Retinopathy of Prematurity: One year outcome--structure and function. Archives of Ophthalmology 108(10):1408-1416, 1990.
- Bondy ML, Lustbader ED, Buffler PA, Schull WJ, Hardy RJ, Strong LC: Genetic epidemiology of childhood brain tumors. Genetic Epidemiology 8:253-267, 1991.
- Palmer E, Hardy RJ, Mowery R, Davis BR, et al.: Operational aspects of terminating randomization in the Multicenter Trial of Cryotherapy of Retinopathy of Prematurity. Controlled Clinical Trials 12:277-292, 1991.
- Hardy RJ, Davis BR, Tung B, Palmer E: Statistical considerations in terminating the Multicenter Trial of Cryotherapy of Retinopathy of Prematurity. Controlled Clinical Trials 12:292-303, 1991.

PUBLICATIONS (Continued):

Phelps DL, Brown DR, Tung B, et al.: 28-day survival rates of 6676 neonates with birth weights of 1250 grams or less. Pediatrics 87(1):7-17, 1991.

Quinn GE, Dobson V, Barr CC, et al.: Visual acuity in infants after vitrectomy for severe retinopathy of prematurity. Ophthalmology 98(1):5-13, 1991

Palmer EA, Flynn JT, Hardy RJ, Phelps DL, Phillips CL, Schaffer DB, Tung B, on behalf of the Cryotherapy for Retinopathy of Prematurity Cooperative Group: Incidence and early course of retinopathy of prematurity. Ophthalmology 98:1628-1640, 1991.

The Systolic Hypertension in the Elderly Program Cooperative Research Group: Prevention of stroke by antihypertensive drug treatment in older persons with isolated systolic hypertension. Final results of the Systolic Hypertension in the Elderly Program (SHEP). Journal of the American Medical Association 265:3255-3264, 1991.

Davis BR and Hardy RJ: Repeated confidence and prediction intervals using stochastic curtailment. Communications in Statistics 21(2):351-368, 1992.

Summers GC, Phelps DL, Tung B, et al.: Ocular cosmesis in retinopathy of prematurity. Arch Ophthalmol 110:1092-1097, 1992.

Quinn GE, Dobson V, Repka MX, et al.: Development of myopia in infants with birth weights less than 1251 grams. Ophthalmology 99(3):329-340, 1992.

Gilbert WS, Dobson V, Quinn GE, et al.: The correlation of visual function with posterior retinal structure in severe retinopathy of prematurity. Arch Ophthalmol 110:625-631, 1992.

Tsai SP, Hardy RJ, Wen CP: The standardized mortality ratio and life expectancy. American Journal of Epidemiology 135:824-831, 1992.

The Systolic Hypertension in the Elderly Program Cooperative Research Group: Isolated systolic hypertension in the elderly. Focus on Hypertension 1:5-12, 1992.

Schaffer DB, Tung B, Hardy RJ: Guidelines for follow-up of retinopathy of prematurity. In: Flynn JT, Tasman W, editors. Retinopathy of Prematurity: A Clinician's Guide. New York: Springer-Verlag New York Inc, 45-53, 1992.

Schaffer DB, Palmer EA, Plotsky DR, Metz HS, Flynn JT, Tung B, Hardy RJ: Prognostic factors in the natural course of retinopathy of prematurity (ROP). Ophthalmology 100(2):230-237, 1993.

Cryotherapy for Retinopathy of Prematurity Cooperative Group (Writing Committee, Member): Multicenter Trial of Cryotherapy for Retinopathy of Prematurity: 3½-year outcome--structure and function. Archives of Ophthalmology 111(3):339-344, 1993.

PUBLICATIONS (Continued):

- The Systolic Hypertension in the Elderly Program Cooperative Research Group: Implications of the Systolic Hypertension in the Elderly Program. Hypertension 21:335-343, 1993.
- Repka MX, Hardy RJ, Phelps DL, Summers CG: Surfactant prophylaxis and retinopathy of prematurity. Archives of Ophthalmology 111(5):618-620, 1993.
- Reynolds J, Dobson V, Flynn Jt, et al., for the Cryotherapy for Retinopathy of Prematurity Group: Prediction of visual function in eyes with mild to moderate posterior pole residua of Retinopathy of Prematurity. Arch Ophthalmol 111(8):1050-1056, 1993.
- Multicenter Trial of Cryotherapy for Retinopathy of Prematurity (CRYO-ROP) (Writing Committee, Member). Manual of Procedures, Vol II, Phase II Follow-up Study. Springfield, Va: National Technical Information Service. US Dept of Commerce publication PB93-134427, 1993.
- Davis BR and Hardy RJ: Data monitoring in clinical trials: The case for stochastic curtailment. Journal of Clinical Epidemiology 47(9):1033-1042, 1994.
- Cryotherapy for Retinopathy of Prematurity Cooperative Group (Writing Committee, Member): The natural ocular outcome of premature birth and retinopathy: status at one year. Arch Ophthalmol 112:903-912, 1994.
- Dobson V, Quinn GE, Summer CG, et al.: Effect of acute-phase retinopathy of prematurity on grating acuity development in the very low birth weight infants. Invest Ophthalmol Vis Sci 35(13):4236-4244, 1994.
- Quinn GE, Dobson V, Biglan A, Evans J, Plotsky D, Hardy RJ: Correlation of retinopathy of prematurity in fellow eyes in the CRYO-ROP study. Arch Ophthalmol 113:469-473, 1995.
- Dobson V, Quinn GE, Tung B, et al: Comparison of recognition and grating acuities in very low birth weight children with and without retinal residua of retinopathy of prematurity (ROP). Invest Ophthalmol Vis Sci 36:692-702, 1995.
- Dobson V, Guinn GE, Saunders RA, et al., for the Cryotherapy for Retinopathy of Prematurity Cooperative Group: Grating acuity in eyes with retinal residua of retinopathy of prematurity (ROP). Arch Ophthalmol 113:1172-1177, 1995.
- Cryotherapy for Retinopathy of Prematurity Cooperative Group (Writing Committee, Member): Multicenter trial of cryotherapy for retinopathy of prematurity: Snellen acuity and structural outcome at 5½ years. Arch Ophthalmol 114:417-424, 1996.
- Kivlin JD, Bigland AW, Gordon RA, Dobson V, Hardy RJ, Palmer EA, Tung B, Gilbert W, Spencer R, Cheng KP, Buckley E on behalf of the Cryotherapy for Retinopathy of Prematurity Group. Early retinal vessel development as a factor in retinopathy of prematurity and its functional sequelae. Arch Ophthalmol 114:150-154, 1996.

PUBLICATIONS (Continued):

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Lai D and Hardy RJ: Measuring the Impact of HIV/AIDS Diseases of Heart and Malignant Neoplasms on Life Expectancy in the United States from 1987 to 1999. Joint Meetings of the American Statistical Association and the Biometric Society, San Francisco, CA 2003.

Hardy RJ: ETROP Multicenter Study Group. Risk Analysis Model for Eyes with Prethreshold ROP. The Association of Research in Vision and Ophthalmology (ARVO) Annual Meeting In Ft. Lauderdale, FL 2004.

Hardy RJ: ETROP Multicenter Study Group. Design Features: ETROP Study. The Association of Research in Vision and Ophthalmology (ARVO) Annual Meeting In Ft. Lauderdale, FL 2004.

Hardy RJ and Good WV: Six Year Final Outcome Results for the Early Treatment of Retinopathy of Prematurity Study. American Association of Pediatric Ophthalmology and Stabismus (AAPOS), Spring meeting in Orlando, FL (April) 2010.

Byun J, Lai D, Luo S and Hardy RJ: A Hybrid Method in Combining Treatment Effects from Matched and Unmatched Studies. Joint Meetings of the American Statistical Association and the Biometric Society, August 2010.