

October 23, 2002

**CURRICULUM VITAE****Ronald S. Brookmeyer****PERSONAL DATA**

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 Baltimore, Maryland 21204  
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Date of Birth: September 4, 1954  
 Place of Birth: New York, N.Y.

Department of Biostatistics  
 Bloomberg School of Public Health  
 The Johns Hopkins University  
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**EDUCATION AND TRAINING**

1980	Ph.D., Statistics University of Wisconsin Madison, Wisconsin
1977	M.S., Statistics University of Wisconsin Madison, Wisconsin
1975	B.S., Mathematics Cooper Union College New York, New York

**PROFESSIONAL EXPERIENCE**

1990-Present	Professor Department of Biostatistics Joint Appointment in Department of Epidemiology and Chair of the Master of Public Health Program (since 2002) Bloomberg School of Public Health The Johns Hopkins University Baltimore, Maryland 21205
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**PROFESSIONAL EXPERIENCE** (continued)

1985-1990	Associate Professor Department of Biostatistics Joint Appointments in Departments of Epidemiology and Oncology Bloomberg School of Public Health and School of Medicine The Johns Hopkins University Baltimore, Maryland 21205
1986	Visiting Biostatistician Biostatistics Branch National Cancer Institute Bethesda, Maryland
1985	Visiting Biostatistician
Summer 1984 Fall 1983	International Agency for Research on Cancer Lyon, France
September 1985	Visiting Lecturer By Invitation of The Institute of Health National Center for Preventive Medicine Beijing, China
1983-1985	Assistant Professor Departments of Biostatistics and Oncology School of Hygiene and Public Health and School of Medicine The Johns Hopkins University Baltimore, Maryland 21205
1981-1983	Assistant Professor Department of Biostatistics School of Hygiene and Public Health The Johns Hopkins University Baltimore, Maryland 21205
1980-1981	Lecturer Department of Statistics University of Wisconsin Madison, Wisconsin

**EDITORIAL ACTIVITIES**

2001-	Statistical Consultant, <u>Science</u>
1998-2001	Associate Editor, <u>Biostatistics</u>
1997-	Associate Editor, <u>Journal of the American Statistical Association</u>
1986-1995	Editorial Board, <u>Statistics in Medicine</u>
1983-1987	Editorial Board, <u>Controlled Clinical Trials</u>

**PROFESSIONAL ACTIVITIES**

2002	Biometrics Society (ENAR) Student Awards Committee
2001	External Advisory Committee Mayo Clinic Alzheimer's Disease Patient Registry Rochester, Minnesota
2001	Consultant to Center for Disease Control on Estimating HIV Incidence Atlanta, Georgia
2001	Workshop on Estimating HIV Incidence Centers for Disease Control Atlanta, Georgia
2000	Visiting Biostatistician Serum Statens Institute Copenhagen, Denmark
2000	Planning Committee for Centers for Disease Control Meeting on Antiretroviral Therapy & AIDS Prevention
1999	Women, Infants HIV Transmission Study, Scientific Advisory Board, National Institutes of Health
1997-1998	Committee on Perinatal Transmission of HIV Institute of Medicine, National Academy of Sciences
1998	Co-organizer, Workshop on Quantitative Evaluation of HIV Prevention Programs, NIDA and SIMS, Geneva

**PROFESSIONAL ACTIVITIES (continued)**

- 1996-2000                      Committee to Review Social Security  
Administration's Disability Decision Process,  
Institute of Medicine, National Academy of Sciences
- 1998                              Workshop on Statistics and Epidemiology  
Guest Lecturer, Centre de recherches mathématiques  
University of Montreal
- 1998                              American Statistical Association and National Center  
for Health Statistics Joint Fellowship Review Board
- 1994-1997                      Advisory Group to the National Cancer Institute  
Study of Electromagnetic Field Exposure and Childhood Acute  
Lymphocytic Leukemia.
- 1996-1998                      Committee of Presidents of Statistical  
Societies (COPSS) Award Committee.
- 1996                              Chair, David P. Byar Young Investigator  
Award Committee
- 1996                              Organizer of Invited Paper Session AIDS in the 1990's.  
International Biometrics Conference, Amsterdam
- 1995                              Chair, Biometrics Section of The  
American Statistical Association
- 1994                              Biometrics Society Liaison to the  
American Statistical Association
- 1993-1995                      Panel on Needle Exchange Programs  
National Academy of Sciences
- 1993                              Scientific Review Panel of the AIDS Clinical  
Trial Group  
National Institute of Allergy and Infectious Diseases
- 1993                              Organizer and Chair of Invited Paper Session  
Statistical Problems in Infectious Diseases  
American Public Health Association  
San Francisco

**PROFESSIONAL ACTIVITIES (continued)**



- Conference on Statistical and Mathematical  
Modeling of the AIDS Epidemic  
The Johns Hopkins University and  
Alfred P. Sloan Foundation, Baltimore, M.D.
- 1987 Workshop on Modeling the Spread of Infection  
with the Human Immunodeficiency Virus  
Institute of Medicine, Washington, D.C.
- 1987 Invited Lecturer,  
Food and Drug Administration  
Rockville, M.D.
- 1985, 1986 Subcommittee of the Scientific Advisory Board,  
Environmental Protection Agency, Washington, D.C.
- 1985 National Cancer Institute - Site Visit Team
- 1984 Consultant, Environmental Protection Agency  
Washington, D.C.
- 1983 National Institute of Neurological and  
Communicative Disorders - Site Visit Team
- 1983 NIH Special Study Section-Biostatistics
- 1981 Consultant, Federal Aviation Administration  
Washington, D.C.
- 1979-1980 Research Assistant, Biostatistics Division 1977-1978  
Wisconsin Clinical Cancer Center  
University of Wisconsin  
Madison, Wisconsin
- 1978-1979 Supervisor Statistician  
AT & T Long Lines Headquarters  
Bedminster, New Jersey
- 1977 Statistician  
M.D. Anderson Hospital and Tumor Institute  
Houston, Texas

**PROFESSIONAL ACTIVITIES (continued)**

- 1975-1977 Teaching Assistant  
Department of Mathematics and Statistics

University of Wisconsin  
Madison, Wisconsin

## HONORS AND AWARDS

- 1999 The Golden Apple Teaching Award, The Johns Hopkins University, School of Hygiene and Public Health
- 1999 Principal Investigator, National Institute of Child Health and Human Development  
"Statistical Methods in AIDS"
- 1998 Wade Hampton Frost Society Lectureship  
Johns Hopkins University
- 1997 Fellow, American Association for the Advancement of Science
- 1997 Myrto Lefkopoulou Distinguished Lectureship in Biostatistics  
Harvard University
- 1996 Fellow, American Statistical Association
- 1996 Presidential Invited Address, Biometrics  
Society ENAR Meeting, Richmond, Virginia
- 1992 Spiegelman Gold Medal awarded by the American  
Public Health Association for contributions to health statistics.
- 1992 Presidential Invited Address, Biometrics  
Society WNAR Meeting, Corvallis, Oregon
- 1988-1998 Principal Investigator, National Cancer Institute Grant:  
"Statistical Methods in AIDS Research".
- 1991 Delta Omega Public Health Honor Society
- 1985 The Golden Apple Teaching Award, The Johns Hopkins University, School of Hygiene and Public Health
- 1984 Fellowship, International Union Against Cancer, to conduct  
research at IARC,  
Lyon, France

## HONORS AND AWARDS (continued)

- 1983 & 1984 Marshal, Convocation of The Johns Hopkins University,  
School of Hygiene and Public Health,

	elected by Student Assembly for excellence in teaching
1975	Summa cum laude, Cooper Union College
1975	Sigma Pi Sigma, National Physics Honor Society
1974	Reddick Prize in Mathematics, Cooper Union College
1971-1975	New York State Regents Scholarship Winner

## PROFESSIONAL AFFILIATIONS

American Statistical Association  
Biometrics Society  
Society for Epidemiologic Research

## PUBLICATIONS

### Books

Brookmeyer R and Stroup D (2003, in press). Monitoring the Health of Populations. Statistical Methods for Public Health Surveillance, Oxford University Press.

Kaplan E and Brookmeyer R, eds. (2002). Quantitative Evaluation of HIV Prevention Programs, Yale University Press, 335 pages.

Brookmeyer R and Gail MH (1994). AIDS Epidemiology: A Quantitative Approach, Oxford University Press, 354 pages.

Brookmeyer R (1989). "Statistical and Mathematical Modeling of the AIDS Epidemic," guest editor, Statistics in Medicine 8(1).

### Journal Articles

Brookmeyer R and Crowley J: "A Confidence Interval for the Median Survival Time," Biometrics 38:29-41, 1982.

Brookmeyer R and Crowley J: "A k-sample Median Test for Censored Data," Journal of the American Statistical Association 77:433-440, 1982.

### Journal Articles (continued)

Siliciano RF, Brookmeyer R and Shin HS: "The Diversity of T Cell Receptors Specific for Self MHC Gene Products," Journal of Immunology 130:1511-1520, 1983.

Santos G, Tutschka PJ, Brookmeyer R, Saral R, Beschoner W, et al: "Marrow Transplantation



for Acute Non-lymphocytic Leukemia Following Treatment with Busulfan and Cyclophosphamide," New England Journal of Medicine 309:1347-1353, 1983.

Brookmeyer R: "Prediction Intervals for Survival Data," Statistics in Medicine 2:485-495, 1983.

Freeman RW, Bleecker ML, Comstock RW, Brookmeyer R: "Validation of Self Administered Questionnaire for Study of Peripheral Neuropathy," American Journal of Epidemiology 121:291-300, 1985.

Szeluga D, Stuart R, Brookmeyer R, Utermohlen V and Santos G: "Energy Requirements of Parenterally-fed Bone Marrow Transplant Recipients," Journal of Parenteral and Enteral Nutrition 9:139-143, 1985.

Brookmeyer R, Day N, Pompe Kirn V: "Assessing the Impact of Additional Follow-up in Cohort Studies," American Journal of Epidemiology 121:611-619, 1985.

Brookmeyer R and Self S: "Predicting the Effect of Additional Follow-up and Accrual with Survival Time Data," Biometrics 41:129-136, 1985.

Kaizer H, Stuart R, Brookmeyer R, Beschoner W, Braine H, et al: "Autologous Bone Marrow Transplantation in Acute Leukemia: A Phase I Study of In Vitro Treatment of Marrow with 4-Hydroperoxycyclophosphamide to Purge Tumor Cells," Blood 65(6):1504-1510, 1985.

Ahcar JA, Brookmeyer R, Hunter WG: "On the Use of Bayesian Methods for Medical Follow-up Data," Statistics in Medicine 4:509-520, 1985.

Brookmeyer R, Day N, Moss S: "Case Control Studies for Estimation of the Natural History of Preclinical Disease from Screening Data", Statistics in Medicine 5:127-138, 1986.

Chase GA, Markson LE, Brookmeyer R, Folstein S: "Covariate-Dependent Genetic Counseling in Huntington's Disease," Journal of Neurogenetics 3:215-223, 1986.

Linnet M, McCaffrey L, Humphrey R, Brookmeyer R, Van Natta M, Tielsch J et al "Chronic Lymphocytic Leukemia and Acquired Disorders Affecting the Immune System: A Case-Control Study," Journal of the National Cancer Institute 77:371-378, 1986.

### **Journal Articles (continued)**

Zeger S, Brookmeyer R: "Regression Analysis with Censored Autocorrelated Data," Journal of the American Statistical Association 81:722-729, 1986.

Brookmeyer R, Liang KY, Linnet M: "Matched Case-Control Designs and Overmatched Analyses," American Journal of Epidemiology 124:693-701, 1986.

Menkes M, Comstock G, Vuilleumier J, Helsing K, Rider A, Brookmeyer R: "Serum Beta-Carotene, Vitamins A and E, Selenium and Risk of Lung Cancer," New England Journal of Medicine 315:1250-1254, 1986.

Brookmeyer R, Gail MH: "The Minimum Size of the AIDS Epidemic in the United States," Lancet 2:1320-1322, 1986.

Linet M, Brookmeyer R: "Use of Cancer-Controls in Case-Control Cancer Studies," American Journal of Epidemiology 125:1-11, 1987.

Polk BF, Fox R, Brookmeyer R, Kanchanaraks S, Kaslow R, et al: "Case-Control Study of Incident Acquired Immunodeficiency Syndrome in a Cohort of Seropositive Gay Men," New England Journal of Medicine 316:61-66, 1987.

Szeluga D, Stuart R, Brookmeyer R, Utermohlen V and Santos G: "Nutritional Support of Bone Marrow Transplant Recipients: A Prospective Randomized Clinical Trial," Cancer Research 47:3309-3316, 1987.

Brookmeyer R, Gail MH, Polk BF: "The Prevalent Cohort Study and Acquired Immunodeficiency Syndrome," American Journal of Epidemiology 126:14-24, 1987.

Brookmeyer R, Day N: "Two Stage Models for the Analysis of Cancer Screening Data," Biometrics 43:657-670, 1987.

Fox R, Odaka N, Brookmeyer R, Polk BF: "Effect of HIV Antibody Disclosure on Subsequent Sexual Activity in Homosexual Men," AIDS 1:241-246, 1987.

Stanford J, Hartge P, Brinton L, Hoover R, Brookmeyer R: "Factors Influencing the Age at Natural Menopause," Journal of Chronic Diseases 40:995-1002, 1987.

Chmiel J, Detels R, Kaslow R, Van Raden M, Kingsley L, Brookmeyer R: "Factors Associated with Prevalent HIV infection in the Multicenter AIDS Cohort Study," American Journal of Epidemiology 126:568-577, 1987.

Sears SD, Fox R, Brookmeyer R, Leavitt R, Polk BF: "Delayed Hypersensitivity and Energy in a Population of Gay Men," Clinical Immunology and Immunopathology 45:177-183, 1987.

### **Journal Articles (continued)**

Brookmeyer R, Gail MH: "Methods for Projecting the AIDS Epidemic," Lancet 2:11, 1987.

Schober SE, Comstock G, Helsing K, Salkeld R, Morris J, Rider A, Brookmeyer R: "Serologic Precursors of Cancer: Prediagnostic Serum Nutrients and Colon Cancer Risk," American Journal of Epidemiology 126:1033-1041, 1987.

- Brookmeyer R, Gail MH: "Biases in Prevalent Cohorts," Biometrics 43:739-750, 1987.
- Kelen G, Fritz S, Qaqish B, Brookmeyer R, Baker R et al: "Unrecognized Human Immunodeficiency Virus Infection in General Emergency Patients," New England Journal of Medicine 318:1645-1650, 1988.
- Brookmeyer R, Gail MH: "A Methodology for Obtaining Short Term Projections and Lower Bounds on The Size of The AIDS Epidemic," Journal of the American Statistical Association 83:301-308, 1988.
- Gail MH, Brookmeyer R: "Methods for Projecting the Course of the AIDS Epidemic," Journal of the National Cancer Institute 80:900-911, 1988.
- Wacholder S, Gail MH, Pee D, Brookmeyer R: "Alternative Variance and Efficiency Calculations for the Case-Cohort Design," Biometrika 76:117-124, 1989.
- Huster WJ, Brookmeyer R, Self SG: "Modeling Paired Survival Data with Covariates," Biometrics 45:145-156, 1989.
- Brookmeyer R, Damiano A: "Statistical Methods for Short-Term Projections of AIDS Incidence," Statistics in Medicine 8:23-34, 1989.
- Brookmeyer R, Goedert JJ: "Censoring in an Epidemic with an Application to Hemophilia Associated AIDS," Biometrics 45:325-336, 1989.
- Markson L, Chase G, Brookmeyer R: "Simulation of Huntington's Disease Onset", Genetic Epidemiology 6:451-459, 1989.
- Linnet M, Van Natta M, Brookmeyer R, Khoury M, McCaffrey L, Humphrey R and Szklo M: "Familial Cancer History and Chronic Lymphocytic Leukemia: A Population Based Case-Control Study," American Journal of Epidemiology 130:655-664, 1989.
- Brookmeyer R: "On the Relation Between AIDS Cases and HIV Prevalence" (letter) New England Journal of Medicine 321:1547-1548, 1989.
- Klassen A, Celentano D, Brookmeyer R: "Variation in the Duration of Protection Given by Screening Using the Pap Test for Cervical Cancer," Journal of Clinical Epidemiology 42:1003-1011, 1989.
- Journal Articles** (continued)
- Klein R, Brothers T, Brookmeyer R, Zeger S and Quinn T: "Evaluation of HIV Seroprevalence in Population Surveys Using Pooled Sera," Journal of Clinical Microbiology 27:1449-1452, 1989.
- Stewart W, Brookmeyer R and Van Natta M: "Estimating Age Incidence from Survey Data with Adjustments for Recall Errors," Journal of Clinical Epidemiology 42:869-875, 1989.

- Brookmeyer R, "Statistical Problems in Epidemiologic Studies of the Natural History of Disease," Environmental Health Perspectives 87:43-49, 1990.
- Brookmeyer R, Liao J: "The Analysis of Delays in Disease Reporting," American Journal of Epidemiology 132:355-365, 1990.
- Brookmeyer R, Liao J: "Statistical Modeling of the AIDS Epidemic for Forecasting Health Care Needs," Biometrics 46:1151-1169. 1990.
- Brookmeyer R, Gail MH: "A Statistical History of the AIDS Epidemic," Chance 3:9-14, 1990.
- Gail MH, Brookmeyer R: "Projecting the Incidence of AIDS," (editorial) Journal of the American Medical Association 263:1538-1539, 1990.
- Brookmeyer R: Discussion of "Age-Specific Incidence and Prevalence: A Statistical Perspective" by N. Keiding. Journal of The Royal Statistical Society, (A)154:402, 1991.
- Brookmeyer R: "Reconstruction and Future Trends of the AIDS Epidemic in the United States," Science 253:37-42, 1991.
- Graham N, Sorensen D, Odaka N, Brookmeyer R, Chan D, et al: "Relationship of Serum Copper and Zinc Levels to HIV-1 Seropositivity and Progression to AIDS," Journal of the Acquired Immune Deficiency Syndrome 4:976-980, 1991.
- Upchurch D, Weisman C, Shepherd M, Brookmeyer R, Fox R, et al: "Interpartner Reliability of Reporting of Recent Sexual Behaviors. American Journal of Epidemiology 134:1159-1166, 1991.
- Karon J, Buehler J, Byers R, et al and Brookmeyer R: "Projections of the Number of Persons Rediagnosed with AIDS and the Number of Immunosuppressed HIV Infected Persons - United States 1992-1994. Morbidity and Mortality Weekly Report, Centers for Disease Control and Prevention 41:RR-18, 1992.
- Law CC and Brookmeyer R: "Effects of Mid-point Imputation on the Analysis of Doubly Censored Data," Statistics in Medicine 11:1569-1587, 1992.

### **Journal Articles (continued)**

- Wang MC, Brookmeyer R, Jewell NP: "Statistical Models for Prevalent Cohort Data. Biometrics 49:1-11, 1993.
- Brookmeyer R: "Discussion of Backcalculation of HIV Infection Rates," Statistical Science 8:102-104, 1993.
- Jager JC, Heisterkamp SH and Brookmeyer R: "AIDS Surveillance and Prediction of the HIV and AIDS Epidemic: Methodological Developments ," AIDS 7:Supp(1):567-571, 1993.

- Magder L and Brookmeyer R: "Analysis of Infectious Disease Data From Partner Studies with Unknown Source of Infection," Biometrics 49:1110-1116, 1993.
- Nathanson N, McGann K, Wilesmith J, Desrosiers R and Brookmeyer R: "The Evolution of Virus Diseases: Their Emergence, Epidemicity and Control," Virus Research, 29:3-20, 1993.
- Vlahov D and Brookmeyer R: "Evaluation of Needle Exchange Programs," American Journal of Public Health 84:1889-1896, 1994.
- Brookmeyer R and Quinn T: "Estimation of Current HIV Incidence Rates from a Cross-Sectional Survey Using Early Diagnostic Tests," American Journal of Epidemiology 141:166-172, 1995.
- Liao J and Brookmeyer R: "An Empirical Bayes Approach to Smoothing in Deconvolution with Application to AIDS," Biometrics 51:579-588, 1995.
- Rodrigues J, Mehendale S, Shepherd M, Divekar A, Gangakhedkar R, Quinn T, Paranjape R, Kisbud A, Brookmeyer R et al.: "The Biological and Behavioral Risk Factors for Prevalent HIV Infection in Sexually Transmitted Disease Clinics in India," British Medical Journal 311:282-286, 1995.
- Brookmeyer R: Invited Commentary on "A Short Method for Constructing An Unabridged Life Table," American Journal of Epidemiology 141:991-992, 1995.
- Frank RG and Brookmeyer R: "Managed Mental Health Care and Patterns of Inpatient Utilization for Treatment of Active Disorders," Social and Psychiatric Epidemiology 30:220-223, 1995.
- Brookmeyer R and Yasui Y: "Statistical Analysis of Passive Surveillance Disease Registry Data," Biometrics 51:831-842, 1995.
- Brookmeyer R, Quinn T, Shepherd M et al.: "The AIDS Epidemic in India: A New Method for Estimating Current HIV Incidence Rates," American Journal of Epidemiology 142:709-713, 1995.
- Journal Articles (continued)**
- Corrada M, Brookmeyer R and Kawas C: "Sources of Variability in Age Specific Prevalence Rates of Alzheimer's Disease," International Journal of Epidemiology 24:1000-1005, 1995.
- Kawas C, Karagiozis H, Resau L, Corrado M and Brookmeyer R: "Reliability of the Blessed Information - Memory Concentration Test." Journal of Geriatric Psychiatry and Neurology 8:238-243, 1995.

- Mehendale S, Rodrigues J, Brookmeyer R, Gangakhedkar R, Divekar A, Gokhale M et al.: "HIV-1 Incidence and Predictors of Seroconversion in Patients Attending Sexually Transmitted Disease Clinics in India." Journal of Infectious Diseases 172:1486-1491, 1995.
- Dal Forno G, Rasmusson D, Brandt J, Carson K, Brookmeyer R, Troncoso J and Kawas C: "Apolipoprotein E Genotype and Rate Decline in Probable Alzheimer's Disease," Archives of Neurology 53:345-350, 1996.
- Levine O, Vlahov D, Brookmeyer R, Cohn S, Nelson K: "Differences in the Incidence of Hepatitis B and Human Immunodeficiency Virus Infection Among Injecting Drug Users," Journal of Infectious Diseases 173:579-583, 1996.
- Brookmeyer R, Mehendale SM, Shepherd M, et al.: "Estimating the Rate of Occurrence of New HIV Infection Using Serial Prevalence Surveys: The Epidemic in India," AIDS 10:924-925, 1996.
- Rasmusson DX, Carson K, Brookmeyer R, Kawas C and Brandt J: "Predicting Rate of Cognitive Decline in Alzheimer's Disease," Brain and Cognition 31:133-147, 1996.
- Brookmeyer R: "AIDS, Epidemics and Statistics," Biometrics 52:781-796, 1996.
- Beyrer C, Brookmeyer R, Natpratan C, Kunawararak P, Niraroot V, Palapunya, P, Khamboonruang C, Celentano DD and Nelson KE: "Measuring HIV-1 Incidence in Northern Thailand; Prospective Cohort Results and Estimates Based on Early Diagnostic Tests," Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology 12:495-499, 1996.
- Brookmeyer R and Zeger SL: "Statistical Issues in Prevention and Therapeutic Trials of Alzheimer's Disease," Alzheimer Disease and Associated Disorders 10: Supp.1, 27-30, 1996.
- Xue X and Brookmeyer R: "Bivariate Frailty Model for the Analysis of Multivariate Survival Time," Lifetime Data Analysis 2(3):277-290, 1996.

#### **Journal Articles (continued)**

- Dannenber A, McNeil JG, Brundage JF, and Brookmeyer R: "Survival and HIV Infection: Mortality Follow-up of 4,147 HIV Seropositive Military Service Applicants," Journal of the American Medical Association 276:1743-1746, 1996.
- Rompalo AM, Shepher M, Lawlor JP, Rand S, Fox R, Brookmeyer R et al: "Definitions of Genital Ulcer Disease and Variation in Risk for Prevalent Human Immunodeficiency Virus Infection," Sexually Transmitted Diseases 24(7): 436-442, 1997.
- McKhann G, Goldsborough M, Burowicz L, Mellits D, Brookmeyer R, Quaskey S et al.: "Predictors of Stroke Risk in Coronary Artery Bypass Patients," Annals of Thoracic

Surgery 63:516-521, 1997.

Kawas C, Resnick S, Morrison A, Brookmeyer R, Corrada M, Zonderman A, Bacal C, Donnell L, Lingle D, Metter E: "A Prospective Study of Estrogen Replacement Therapy and the Risk of Developing Alzheimer's Disease: The Baltimore Longitudinal Study of Aging," Neurology 48:1517-1521, 1997.

Chun TW, Carruth L, Finzi D, Shen S, DiGiuseppe J, Taylor H, Hermankova M, Chadwick K, Margolick J, Quinn, TC, Kuo YH, Brookmeyer R, Zeiger MA, Barditch-Crovo P and Siliciano RF: "Quantification of Latent Tissue Reservoirs and Total Body Viral Load in HIV-1 Infection," Nature 387:183-188, 1997.

Brookmeyer R: "Accounting for Follow-up Bias in Estimation of HIV Incidence Rates," Journal of the Royal Statistical Society Series A 160(1):127-140, 1997.

Xue X and Brookmeyer R: "Regression Analysis of Discrete Time Survival Data Under Heterogeneity," Statistics in Medicine 16:1983-1993, 1997.

Finzi D, Hermankova M, Pierson T, Carruth L, Buck C, Chaisson R, Quinn T, Chadwick K, Margolick J, Brookmeyer R, Gallant J, Markowitz M, Ho, D, Richman D, Siliciano R: "Identification of a Reservoir of HIV-1 in Patients on Highly Active Antiretroviral Therapy," Science 278:1295-1300, 1997.

Bollinger RC, Brookmeyer R, Mehendale SM, Paranjape RS, Shepherd ME, Gadkari DA, Quinn TC: "Risk Factors and Clinical Presentation of Acute Primary Human Immunodeficiency Virus Infection in India," Journal of the American Medical Association 278:2085-2089, 1997.

Vlahov D, Junge B, Brookmeyer R, Cohn S, Riley E, Armenian H, and Beilenson R: "Reductions in High-Risk Drug Use Behaviors Among Participants in the Baltimore Needle Exchange Program," Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology 16(5):400-406, 1997.

### **Journal Articles (continued)**

Klassen AC, Klassen DK, Brookmeyer R, Frank RG, Marconi K: "Factors Influencing Waiting Time and Successful Receipt of Cadaveric Liver Transplant in the United States," Medical Care 36(3):281-294, 1998.

Cleghorn F, Jack N, Murphy J, Edwards J, Mahabir B, Paul K, O'Brien T, Greenberg M, Weinhold K, Bartholomew C, Brookmeyer R, Blattner W: "Direct and Indirect Estimates of HIV-1 Incidence in a High Prevalence Population," American Journal of Epidemiology 147:834-839, 1998.

Gray SM and Brookmeyer R: "Estimating a Treatment Effect from Multidimensional Longitudinal Data," Biometrics 54(3):976-988, 1998.

- Brookmeyer R and Chen YQ: A Person-Time Analysis of Paired Community Intervention Trials When the Number of Communities is Small," Statistics in Medicine 17, 2121-2132, 1998.
- Wawer MJ, Gray RH, Sewankambo NK, Serwadda D, Paxton L, Berkley S, McNairn D, Wabwire-Mangen F, Li C, Nalugoda F, Kiwanuka N, Lutalo T, Brookmeyer R et al. "A Randomized, Community Trial of Intensive Sexually Transmitted Disease Control for AIDS Prevention, Rakai, Uganda. AIDS 12(10):1211-1225, 1998.
- Brookmeyer R, Gray S and Kawas C: "Projections of Alzheimer's Disease in the United States and the Public Health Impact of Delaying Disease Onset," American Journal of Public Health 88(9):1337-1342, 1998.
- Brookmeyer R: "Analysis of Multistage Pooling Studies of Biological Specimens for Estimating Disease Incidence and Prevalence," Biometrics 55:608-612, 1999.
- Wu A, Gray S, Brookmeyer R: "Application of Random Effects Models and Other Models to the Analysis of Multidimensional Quality of Life Data in an AIDS Clinical Trial," Medical Care 37(3):259, 1999.
- Kaplan EH and Brookmeyer R: "Snapshot Estimators of Recent HIV Incidence Rates," Operations Research 47(1):29-37, 1999.
- Lubaki NM, Shepherd ME, Brookmeyer RS, Hon H, Quinn TC, Kashamuka M, Johnson M, Gottle R, Devers J, Lederman H. Bollinger R: "HIV-1 Specific Cytolytic T-Lymphocyte Activity Correlates with Lower Viral Load, Higher CD4 Count and CD8+CD39-OR-Phenotype: Comparison of Statistical Methods of Measurement," Journal of the Acquired Immune Deficiency Syndrome 22:19-30, 1999.
- Gray S and Brookmeyer R: "Multidimensional Longitudinal Data: Estimating a Treatment Effect from Continuous, Discrete or Time to Even Response Variables," Journal of American Statistical Association 95(450):396-406, 2000.

### **Journal Articles (continued)**

- Brookmeyer R and Gray S: "Methods for Projecting the Incidence and Prevalence of Chronic Diseases in Aging Populations: Application to Alzheimer's Disease," Statistics in Medicine 19(11-12):1481-1493, 2000.
- Marx MA, Crape B, Brookmeyer RS, Junge B, Latkin C, Vlahov D, Strathdee SA: "Trends in Crime and the Introduction of a Needle Exchange Program," American Journal of Public Health 90(12):1933-1935, 2000.
- Thamer M, Hwang W, Fink NE, Sadler, Wills S, Levin NW, Bass EB, Levey AS, Brookmeyer RS, Power NR: "US Nephrologist' Recommendation of Dialysis Modality: Results of a National Survey," American Journal of Kidney Diseases



36(6)1155-1165, 2000.

Quinn TC, Brookmeyer R, Kline R, Shepherd M, Paranjape R, Mehendale SM, Gadkari D, Bollinger R: "Feasibility of Pooling Sera for HIV-1 Viral RNA to Diagnose Acute Primary HIV-1 Infection and Estimate HIV Incidence," AIDS 14:2751-2757, 2000.

Kawas C, Gray S, Brookmeyer R, Fozard J, Zonderman A: "Age-Specific Incidence Rates of Alzheimer's Disease: The Baltimore Longitudinal Study of Aging," Neurology 54:2072-2077, 2000.

Thamer M, Hwang W, Fink NE, Sadler JH, Bass EB, Levey AS, Brookmeyer R, Powe NR: "US Nephrologists' Attitudes Toward Renal Transplantation Results from a National Survey," Transplantation 71:281-288, 2001.

Kawas C and Brookmeyer R: "Aging and the Public Health Impact of Dementia," (editorial). New England Journal of Medicine 344:1160-1161, 2001.

Gray R, Wawer M, Brookmeyer R, Sewan Kambo N, Serwaddu D, Wagwire-Mangen F, Lutalo T, Quinn T and Rakai Project Team: "The Probability of HIV-1 Transmission Per Coital Act in Monogamous Heterosexual HIV Discordant Couples: Rakai, Uganda," Lancet 357:1149-1154, 2001.

Marx MA, Brahmbhatt H, Bielensohn P, Brookmeyer R, Strathdee S, Alexander C, Vlahov D: "Impact of Needle Exchange on Adolescent Perceptions About Illicit Drug Use," AIDS and Behavior 5(4):379-386, 2001.

Mehendale SM, Shepherd ME, Brookmeyer RS, Semba RD, Divekar AD, Gangakhedkar RR, Joshi S, Risbud AR, Paranjape RS, Gadkari DA, Bollinger RC: "Low Carotenoid Concentration and the Risk of HIV Seroconversion in Pune, India," Journal of Acquired Immune Deficiency Syndrome 26(4):352,359, 2001.

### **Journal Articles (continued)**

Brookmeyer R, Blades N, Hugh-Jones M and Henderson DA: "The Statistical Analysis of Truncated Data: Application to the Sverdlovsk Anthrax Outbreak," Biostatistics 2(2):233-247, 2001.

Dal Forno G, Carson KA, Brookmeyer R, Troncoso J, Kawas CH, Brandt J: "APOE Genotype and Survival in Men and Women with Alzheimer's Disease," Neurology 58(7):1045-1050, 2002.

Safaeian M, Brookmeyer R, Vlahov D, Latkin C, Marx M, Strathdee S: "The Validity of Self-Reported Needle Exchange Attendance Among Injection Drug Users: Implications for Program Evaluation," American Journal of Epidemiology 155:169-175, 2002.

Brookmeyer R and Blades N: "Prevention of Inhalational Anthrax in the U.S. Outbreak,"

Science 295:1861, 2002.

Brookmeyer R and Curriero FC: "Survival Curve Estimation with Partial Non Random Exposure Information," Statistics in Medicine 21(18):2671-2683, 2002.

Kinchen KS, Sadler J, Fink N, Brookmeyer R, Klag MJ, Levey AS, Powe NR: "The Timing of Specialist Evaluation in Chronic Kidney Disease," Annals of Internal Medicine 137:479-486, 2002.

Miller M, Humphrey J, Johnson E, Marinda E, Brookmeyer R, Katz J: "Why Do Children Become Vitamin A Deficient?" Journal of Nutrition 132(9):2867S-2880S, 2002.

## Chapters

Brookmeyer R. "Time and Latency Considerations in the Quantitative Assessment of Risk," Epidemiology and Health Risk Assessment, ed. Gordis, Oxford University Press, 178-188, 1987.

McLaughlin J, Brookmeyer R: "Epidemiology and Biostatistics", Handbook of Occupational Medicine, ed. McCunney Robert J, Little Brown, pp 282-296, 1988.

Brookmeyer R, contributor to "Monitoring the Epidemic" in AIDS: Sexual Behavior and Drug Abuse, editors Turner C, Miller H, Moses LE, National Research Council, National Academy Press, 1989.

Gail MH, Brookmeyer R, "Modeling the AIDS Epidemic", AIDS Update editors, Devita V, Hellman S, Rosenberg S, Lippincott Press Volume 3, September/October 1990.

Brookmeyer R, "Statistical Problems in Epidemiological Studies of the Natural History of Disease" in Accomplishments in Cancer Research: Honorary Conference for Sir David Cox (eds) J Fortner and J Rhoads, Lippincott, Philadelphia, 1992.

## Chapters (continued)

Brookmeyer R, Liao J: "Statistical Methods for Reconstructing Infection Curves," Statistical Methodology for Study of The AIDS Epidemic, eds. K Dietz, V Farewell and NP Jewell. Birkhauser-Boston, pp 39-60, 1992.

Brookmeyer R, contributor to Preventing HIV Transmission: The Role of Sterile Needles and Bleach, Panel on Needle Exchange and Bleach Distribution Programs. National Research Council and the Institute of Medicine, eds J. Normand, D. Vlahov and L. Moses, National Academy Press, 1995.

Brookmeyer R: "Incubation Period of Infectious Diseases" in Encyclopedia of Biostatistics, eds. Peter Armitage and Theodore Colton, John Wiley & Sons, Vol. 3, pp.2011-2016, 1998.

Brookmeyer R: "Median Survival Time: Confidence Intervals and Tests" in Encyclopedia of Biostatistics, eds. Peter Armitage and Theodore Colton, John Wiley & Sons, Vol. 4, pp.

2538-2540. 1998.

Brookmeyer R: "Biased Sampling of Cohorts in Epidemiology" in Encyclopedia of Biostatistics, eds. Peter Armitage and Theodore Colton, John Wiley & Sons, Vol. 1, pp. 338-350, 1998.

Brookmeyer R: "Statistical Issues in the Evaluation of HIV Prevention Programs" in Quantitative Evaluation of HIV Programs, eds. E. Kaplan and R Brookmeyer, Yale University Press, pp. 55-78, 2002.

Brookmeyer R: "Disease Registry" in Encyclopedia of Environmetrics, John Wiley and Sons, 2002.

Brookmeyer R: "Surveillance of Epidemics: Temporal Factors and the Importance of the Incubation Period" in Monitoring the Health of Populations: Statistical Methods for Public Health Surveillance, eds. R. Brookmeyer and D. Stroup, Oxford University Press, 2003 (in press).

#### **Other Articles**

Huster W, Brookmeyer R, Self S: "SURVAK - An Interactive Survival Analysis Package," Joint Statistical Meetings of the American Statistical Association and the Biometrics Society, August 1984, Philadelphia. Proceedings of the Statistical Computing Sections.

Brookmeyer R: Book Review: "Cancer Clinical Trials: Methods and Practice," editors M. Buyse, M. Staquet, R. Sylvester, Controlled Clinical Trials 6:87-88, 1985.

#### **Other Articles (continued)**

Karon J, Buehler J, Byers R et al. and Brookmeyer R: "Statistical Methods and Parameter Estimates for Projections of the Numbers of Persons Diagnosed with AIDS and of Immunosuppressed HIV Infected Persons, 1992-1994," Centers for Disease Control and Prevention, 1993.

Brookmeyer R: Book Review. "Forecasting the Health of Elderly Populations," editors K. Manton, B. Singer, R. Suzman, Controlled Clinical Trials, June, 1995.