

NICHOLAS PATRICK JEWELL, PH.D.

Professor of Biostatistics & Statistics  
School of Public Health & Department of Statistics  
101 Haviland Hall, MC 7358  
University of California  
Berkeley, CA 94720  
510-642-4627 (fax: 510-643-5163)  
jewell@berkeley.edu

## EDUCATION

Postdoctoral Harkness Fellow at *Stanford University*, Department of Statistics and Division of Biostatistics (July 1977-June 1978).

Postdoctoral Harkness Fellow at *University of California, Berkeley*, Departments of Mathematics & Statistics (September 1976-June 1977).

Ph.D. in Mathematics from *University of Edinburgh* (June 1976).

B.Sc. (1st Class Honors) in Applied Mathematics from *University of Edinburgh* (June 1973).

## EXPERIENCE

July 1987-present

**PROFESSOR**

*University of California, Berkeley*: Division of Biostatistics, School of Public Health  
Department of Statistics

September 2007-September 2008

**VICE PROVOST – ACADEMIC PERSONNEL**

*Office of the President, University of California, Oakland, CA*

April 2007 – May 2007

**FELLOW**

*Bellagio Study Center, Italy*: The Rockefeller Foundation

August 2000-August 2007

**CHAIR**

*University of California, Berkeley*: Graduate Group in Biostatistics, School of Public Health

December 2004-September 2006

**DIRECTOR**

*Center for Computational Biology, University of California, Berkeley*

January 2003-January 2007

**CHAIR**

*University of California, Berkeley*: Graduate Group in Computational and Genomic Biology

September 1994 - June 2000

**VICE PROVOST**

*University of California, Berkeley:* Office of the Chancellor

November 1997 - August 1998

**INTERIM VICE CHANCELLOR, CAPITAL PROJECTS**

*University of California, Berkeley:* Office of the Chancellor

January 1986-November 1994

**CO-CHAIR**

*University of California, Berkeley:* Group in Biostatistics, School of Public Health

January 1990-July 1990

**VISITING PROFESSOR**

*Oxford University:* Department of Statistics

July 1983-July 1987

**ASSOCIATE PROFESSOR**

*University of California, Berkeley:* Division of Biostatistics, School of Public Health  
Department of Statistics

September 1981-June 1983:

**ASSISTANT PROFESSOR**

*University of California, Berkeley:* Division of Biostatistics, School of Public Health

September 1979-August 1981:

**ASSISTANT PROFESSOR**

*Princeton University:* Department of Statistics

**UNDERGRADUATE REPRESENTATIVE**

*Princeton University:* Department of Statistics

Supervision of undergraduate program, advising on courses for all majors;

**DIRECTOR OF STATISTICAL LABORATORY**

*Princeton University*

Administered statistical consulting services for all departments on campus.

September 1979-September 1981:

**PRINCIPAL STATISTICAL INVESTIGATOR**

*New Jersey Department of Health:*

Statistical Investigator on research grant to study birthing facilities in the state.

June 1978-August 1979

**RESEARCH FELLOW**

*University of Edinburgh:* Medical Computing and Statistics Unit

**LECTURER**

*University of Edinburgh:* Department of Statistics.

July 1977-June 1978

**STATISTICAL CONSULTANT**

*Stanford University:* Division of Biostatistics:

Provided statistical consulting for several biomedical projects.

## OTHER APPOINTMENTS

2007-2010

**MEMBER**

*Board of Scientific Governors, Mathematical Biosciences Institute, Ohio State University*

1993-1995

**MEMBER**

*Agency for Health Care Policy and Research: Health Services Research Review Committee (Study Section)*

1993-1996

**MEMBER**

*National Academy of Sciences: Committee on National Statistics*

1994-1996

**MEMBER**

*National Academy of Sciences: Committee on Theoretical and Applied Statistics*

1987-present

**PROFESSOR**

*University of California, San Francisco: Department of Epidemiology and Biostatistics*

## GRANTS

1. Principal investigator on Scottish Home and Health Department Grant (June 1978-August 1979): Project was to establish and maintain a statistical consulting service for biomedical researchers in Edinburgh, Scotland.
2. Principal Investigator on NSF Grant on "Canonical Analysis of Time Series"; awarded July 1980-July 1982.
3. Co-investigator on NIMH grant: "FEHBP: The impact of changes in mental health benefits," Grant #MH37313. 8/1/82-9/30/86. Annual direct costs \$150,000.
4. Co-investigator on DHHS/NIH grant: "Infant feeding and serum cholesterol," Grant #HD18593. 9/1/83-8/31/85. Annual direct costs: \$76,166.
5. Co-investigator on NIA grant: "Living arrangement and dietary status," Grant #1R01AG05284-01A1. 2/1/86-1/31/89. Annual direct costs: \$148,000.
6. Co-investigator on NIA grant: "Living arrangements, dietary status: US adults 1971-1980," Grant #1R01AG05284. 2/1/86-1/31/89. Annual direct costs: \$132,000.
7. Co-investigator on NIA grant: "Risk factors for hip and Colles fractures," Grant #1R01AG05407-01A1. 2/1/86-1/31/92. Annual direct costs: \$368,000.

8. Co-investigator on NIAID contract: "The natural history of acquired immune deficiency syndrome (AIDS) in homosexual men," Contract #NO1A13259. 10/1/87-10/31/95. Annual direct costs: \$1,628,000.
9. Co-Principal Investigator on NIDA grant: "Statistical methodology for study of the AIDS epidemic," Grant #DA04722. 9/30/87-8/31/95. Annual direct costs: \$611,000.
10. Co-investigator on NIA grant: "Living arrangements, diet and survival of older US adults," Grant #1R37AG0538404. 2/1/89-1/31/91. Annual direct costs: \$101,301.
11. Co-investigator on NIA grant: "Epidemiology of chronic disease in the oldest old," Grant #01AG07425. 6/30/89-11/30/91. Annual direct costs: \$388,977.
12. Principal Investigator on NIAID grant: "Statistical methodology in the natural history of AIDS," Grant #1R01AI29162. 9/30/89-4/30/93. Annual direct costs: \$93,228.
13. Principal Investigator on NIAID grant: "Statistical issues in AIDS research," Grant #1R01AI33831. 12/01/92-11/30/96. Annual direct costs: \$166,364.
14. Principal Investigator on SIMS grant: "Statistical methodology for the study of the AIDS epidemic," Grant #M2454. 6/01/96-8/31/96. Annual direct costs: \$150,000.
15. Principal Investigator on NIH grant: "Statistical methods for complex HIV cohort studies," Grant # R01 AI55085001. 09/30/02-09/01/06. Annual direct costs: \$416,807.
16. Co-Investigator on NIH grant: "Children's Environmental Health Center Grant: Exposures and Health of Farmworker Children in California," Grant # 1P50 ES09605-03 - NIEHS 9/01/98 - 03/31/05 Annual direct costs: \$1,969,038; Grant# R 826 709011-02/03 -- EPA 9/01/98 - 03/31/05 Annual direct costs: \$132,000.
17. Co-Investigator on NIH grant: "Children's Environmental Health Center Grant: Exposures and Health of Farmworker Children in California," Grant # 2P01 ES009605-07 NIEHS 11/01/03 - 10/31/08 Annual direct costs: \$567,980; Grant# RD-83171001-07 EPA 11/01/03 - 10/31/08 Annual direct costs: \$465,985.
18. Principal Investigator on NIH grant: "Statistical methods to study the epidemiology of HIV and other diseases," Grant # R01 AI070043. 05/15/07-04/30/11. Annual direct costs: \$317,961
19. Principal Investigator on NIH grant: "Statistical techniques for complex environmental epidemiological studies," Grant # R01 ES015493. 06/15/07-03/31/11. Annual direct costs: \$284,089
20. Principal Investigator on NSF Grant: "UC Alliance for Graduate Education and the Professoriate (AGEP) Phase II," Grant # HRD-0450366 9/1/2007-9/1/2008

## FELLOWSHIPS

1. Miller Professorship, U.C. Berkeley, Fall 2004
2. Burroughs-Wellcome Research Fellowship, 1990
- 2 Regents Junior Faculty Fellowship, U.C. Berkeley, Summer, 1982.
3. Harkness Fellowship, August 1976 to June 1978.
4. Thouron Fellowship at University of Pennsylvania, 1976.
5. Sir David Baxter Scholarship in Physical Sciences at Univ. of Edinburgh, 1973-1976.
6. Carnegie Scholarship from the Carnegie Fund, 1971.

## AWARDS AND HONORS

1. Keynote Speaker, International Chinese Statistical Association, 2009 Applied Statistics Symposium
2. Fellow, American Association for the Advancement of Science (AAAS), 2007
3. An award for one of the Top Seismic Projects of the Twentieth Century for the model Disaster Resistant University Program at the University of California, Berkeley (which I launched and led), 2006, from the Applied Technology Council
4. Alfred E. Alquist Award, 2005, for the University of California, Berkeley Disaster Resistant University program and SAFER (both of which I launched and led) from the California Earthquake Safety Foundation, also recognized UC Berkeley's leadership in demonstrating state-of-the-art risk management for universities across the country.
5. Snedecor Award, Committee of Presidents of the Statistical Societies, 2005; awarded biannually and "honors an individual who was instrumental in the development of statistical theory in biometry". The award is associated with the best publication in biostatistics in the previous three years
6. Distinguished Teaching Award, School of Public Health, Univ. of California, Berkeley, 2004.
7. Director's Award from James Lee Witt, Director, Federal Emergency Management Agency, "For extraordinary leadership and vision in implementing strategies that enhance the disaster resistance of the University of California, Berkeley and universities throughout America", 2000.
8. Dean's Appreciation Award, School of Social Welfare, UC Berkeley, 2000.
9. Fellow, Institute of Mathematical Statistics, 1996.
10. Fellow, American Statistical Association, 1991.
11. Keasbey Memorial Foundation Prize, 1973.
12. Distinguished Medal in Applied Mathematics, 1973.
13. Distinguished Medal in Logic and Philosophy of Science, 1971.
14. Ramsay Memorial Prize in Astronomy, 1970.
15. Distinguished Medal in Mathematics, 1970.

Prizes 11-15 were awarded by University of Edinburgh.

## **PROFESSIONAL MEMBERSHIPS**

*Committee of Presidents of Statistical Societies (COPSS)*

Member, 1991-1992

COPSS Award Committee, 1997-1999.

*Institute of Mathematical Statistics: Fellow*

Treasurer, 1985-1988.

Management Committee for Current Index of Statistics, Member (1985-88)

Nominating Committee, Member (1988-89)

*American Statistical Association: Fellow*

President-Elect, Section on Statistics in Epidemiology, 2010

Committee for Award for Outstanding Statistical Application, 1994-1997 (Chair 95-97)

*San Francisco Bay Area Chapter:*

President, 1985-86

President-elect, 1984-85

Vice-president (Biostatistics), 1982-1984

Chair, Nominating Committee for District 7 Representative, 1985

Nominating Committee, Chair (1987), Member (1988, 1991)

*Biometric Society:*

Editorial Advisory Committee (1994-present)

*Western North American Region*

Past-President, 1992

President, 1991

President-Elect, 1990

Student Paper Competition, Judge 1986-87; Chair 1988.

Visiting Lecturer Program in Statistics, 1984-

Selected by Committee of Presidents of Statistical Societies

## **OTHER HONORS**

1. *The International Journal of Biostatistics*, Founding Editor (2004-present)
2. *Statistical Applications in Genetics and Molecular Biology*, Senior Editor (2002-present)
3. *Lifetime Data Analysis*, Editor (1995-99); Associate Editor (1999-2002)
4. *Biometrika*, Associate Editor (1998-present)
5. *Journal of the American Statistical Association, Theory and Methods*, Assoc. Ed. (1989-96)
6. *Journal of the American Statistical Association, Applications*, Associate Editor (1995-96)
7. *International Statistical Review*, Associate Editor (1988-96)
8. *The American Statistician*, Associate Editor (1987-90)
9. *Statistical Science*, Associate Editor (1995-96)
10. *Annals of Statistics*, Associate Editor (1995-96)

& Books

\* Refereed publications

+ Invited paper presented at professional meeting

# Contributed paper presented at professional meeting

\*\* Technical Report, Research grant/contract report

@ Letters to the Editor

% Chapter in book

NICHOLAS PATRICK JEWELL

PUBLICATIONS

- \*\* 1. N. P. Jewell, "An extension of the concept of vanishing mean oscillation," Technical report, University of Edinburgh, November, 1975.
- \* 2. N. P. Jewell and A.M. Sinclair, "Epimorphisms and derivations on  $L_1(0,1)$  are continuous," *Bull. of London Math. Soc.* 8, 1976, 135-139.
- + 3. N. P. Jewell, "Prime ideals and automatic continuity of derivations," Invited paper presented at Science Research Council Meeting on Functional Analysis, Leeds, England, June 1976.
- \* 4. N. P. Jewell, "The continuity of module and higher derivations," *Pacific Journal of Mathematics*, 68, 1977, 91-98.
- \* 5. N. P. Jewell, "The existence of discontinuous model derivations," *Pacific Journal of Mathematics*, 71, 1977, 465-475.
- \* 6. N. P. Jewell and A.M. Davie, "Toeplitz operators in several complex variables," *Journal of Functional Analysis*, 26, 1977, 356-368.
- \* 7. N. P. Jewell, "Multiplication by the coordinate functions on the Hardy space of the unit sphere in  $C_n$ ," *Duke Journal of Math*, 44, 1977, 839-851.
- + 8. N. P. Jewell, "Multiplication by the coordinate functions on the sphere in  $C_n$  and the Bergman spaces," Invited paper presented at the Summer Meeting of the American Mathematical Society, August, 1977; Abstract in *Notices of the American Mathematical Society*, 24(5), 1977, A-488.
- \* 9. N. P. Jewell and A. Lubin, "Systems of commuting weighted shifts and analytic function theory in several variables," *Journal of Operator Theory*, 1, 1979, 207-223.
- \* 10. N. P. Jewell and S. Krantz, "Toeplitz operators and related function algebras on certain pseudo-convex domains," *Transactions of the Amer. Math. Soc.*, 252, 1979, 297-312.
- \* 11. S. Axler, I. Berg, N. P. Jewell and A. Shields, "Approximation by compact operators and the space  $H^\infty + C$ ," *Annals of Mathematics*, 109, 1979, 197-312.
- \* 12. P. Bloomfield, J. Carmichael, G. Petrie, N. P. Jewell and G. Crompton, "Comparison of salbutamol given intravenously and by intermittent positive pressure breathing in life-threatening asthma," *British Medical Journal*, 1, 1979, 848-850.

- + 13. N. P. Jewell, "Straight line fitting with heteroscedastic errors in both variables," Paper presented at the International Society of Clinical Biostatistics, Brussels, Belgium, April, 1979.
- \*\* 14. N. P. Jewell and G.M. Raab, "Consistent estimation of variance parameters from many small samples with different means," Technical Report No. 159, Series 2, Department of Statistics, Princeton University, October 1979, 29 pp.
- \* 15. N. P. Jewell "Fredholm Toeplitz operators on strongly pseudoconvex domains", *Studia Math*, 68, 1980, 25-34.
- \* 16. S. Axler, N. P. Jewell and A. Shields, "The essential norm of an operator and its adjoint," *Transactions of the American Mathematical Society*, 261, 1980, 159-167.
- \* 17. N. P. Jewell, "Toeplitz operators on the Bergman spaces and in several complex variables," *Proceedings of the London Mathematical Society*, 41, 1980, 193-216.
- \* 18. R. Strange, J. Reid, D. Holton, N. P. Jewell and I. Percy-Robb, "The glyceryl [14C] tripalmitate breath test: a reassessment," *Clinica Chimica*, 103, 1980, 317-323.
- # 19. N. P. Jewell and G. M. Raab, "Consistent estimation of variance parameters," Paper presented at Annual Meeting of the American Statistical Association, August 1980.
- \*\* 20. N. P. Jewell and P. Bloomfield, "Partial characterizations of completely nondeterministic stochastic processes," Technical Report No. 180, Series 2, Department of Statistics, Princeton University, November 1980, 20 pp.
- \*\* 21. N. P. Jewell, "Mixtures of survival distributions," Technical Report No. 200, Series 2, Department of Statistics, Princeton University, December 1980, 21 pp.
- \* 22. C. Romano, A. Goldstein and N. P. Jewell, "Characterization of the receptor that mediates the nicotine discriminative stimulus," *Psychopharmacology*, 74, 1981, 310-315.
- \* 23. N. P. Jewell and G.M. Raab, "Difficulties in obtaining consistent estimators of variance parameters," *Biometrika*, 68, 1981, 211-226.
- # 24. N. P. Jewell and P. Bloomfield, "Some problems on  $L_2(w)$  and outer functions connected with stochastic processes," Paper presented at Annual Meeting of the American Mathematical Society, January 1981.
- % 25. N. P. Jewell, "Some multiple Q-Q plotting procedures," in *Modern Data Analysis*, eds. R.L. Launer, A.F. Siegel, Academic Press, New York, 1982, 13-35.
- \* 26. N. P. Jewell, "Mixtures of exponential distributions," *Annals of Statistics*, 10, 1982, 479-484.
- # 27. N. P. Jewell, "Jackknifing estimates of the odds ratio," Paper presented at Spring Meeting of the Biometric Society, June 1982; Abstract in *Bulletin of the Institute of Mathematical Statistics*, 11(4), 1982, 191.

- \*\* 28. N. P. Jewell and A. Kyllingstad, "Design considerations for a study of alternative birthing sites," Contract report for the New Jersey State Department of Health, 1982.
- \* 29. N. P. Jewell and J.P. Romano, "Coverage problems and random convex hulls," *Journal of Applied Probability*, 19, 1982, 546-561.
- # 30. N. P. Jewell and J. Romano, "The probability that a random convex hull contains a fixed set," Paper presented at Annual Meeting of the American Statistical Association, August 1982; abstract in *Bulletin of the Institute of Mathematical Statistics*, 11(4), 1982, 252.
- \* 31. N. P. Jewell, P. Bloomfield and E. Hayashi, "Characterizations of completely nondeterministic stochastic processes," *Pacific Journal of Mathematics*, 107, 1983, 307-317.
- \* 32. N. P. Jewell and P. Bloomfield, "Canonical correlations of past and future for times series -- definitions and theory," *Annals of Statistics*, 11, 1983, 837-847.
- \* 33. N. P. Jewell, P. Bloomfield and F. Bartmann, "Canonical correlations of past and future for time series -- bounds and computations," *Annals of Statistics*, 11, 1983, 848-855.
- \* 34. S. Kramer, N. P. Jewell and N. Cremer, "Discriminant analysis of data in enzyme immunoassay," *Journal of Immunological Methods*, 60, 1983, 243-255.
- # 35. N. P. Jewell, "Relative risk, relative hazard and the odds ratio," Paper presented at the 44th Session of the International Statistical Institute, Madrid, September 1983.
- \* 36. N. P. Jewell, "Small sample bias of point estimators of the odds ratio from matched sets," *Biometrics*, 40, 1984, 421-435.
- \* 37. N. P. Jewell, "Least squares regression with data arising from stratified samples of the dependent variables," *Biometrika*, 72, 1985, 11-21.
- \* 38. N. P. Jewell and J. Romano, "Evaluating inclusion functions for random convex hulls," *Z. Wahrscheinlichkeitstheorie verw. Gebiete*, 68, 1985, 415-424.
- + 39. N. P. Jewell, A. Cheadle, R.M. Scheffler and C.A. Watts, "Mental health use in an insured population: A mixed cohort design," in *Proceedings of Social Statistics Section*, American Statistical Association, 1984.
- + 40. N. P. Jewell, "Some open problems in function theory related to the characterization of stochastic processes," Invited paper presented at NATO/LMS Advanced Study Institute, University of Lancaster, England, July 1984.
- \* 41. C.A. Watts, R.M. Scheffler and N. P. Jewell, "Demand for outpatient mental health services in a heavily insured population: The case of BC/BS FEHBP," *Health Services Research*, 21, 1986, 267-289.
- # 42. N. P. Jewell, "Regression with biased samples," 45th Session of the International Statistical Institute, Amsterdam, August, 1985.
- + 43. N. P. Jewell, "Statistical properties of random convex hulls in the plane," Invited paper presented at AMS meeting, The Claremont Colleges, November, 1985.

- \* 44. C.P. Quesenberry, Jr., and N. P. Jewell, "Regression analysis based on stratified samples," *Biometrika*, 73, 1986, 605-614.
- \* 45. M-C Wang, N. P. Jewell and W-Y Tsai, "Asymptotic properties of the product limit estimate under random truncation," *Annals of Statistics*, 14, 1986, 1597-1605.
- \* 46. N. P. Jewell, "On the bias of commonly used measures of association for 2x2 tables," *Biometrics*, 42, 1986, 351-358.
- \* 47. B. Caan, D. Horgen, S. Margen, J.C. King and N. P. Jewell, "Benefits associated with WIC supplemental feeding during the interpregnancy interval," *American Journal of Clinical Nutrition*, 45, 1987, 29-41.
- \* 48. W-Y Tsai, N. P. Jewell and M-C Wang, "The product limit estimate of a survival curve under right censoring and left truncation," *Biometrika*, 74, 1987, 883-886.
- \* 49. K-L Tsui, N. P. Jewell and C.F.J. Wu, "A nonparametric approach to the truncated regression problem," *Journal of the American Statistical Association*, 83, 1988, 785-792.
- \* 50. S. Grossman, M.Milos, I.S. Tekawa and N. P. Jewell, "Colonoscopic screening of persons with suspected risk factors for colon cancer: II. Past history of colorectal neoplasms," *Gastroenterology*, 96, 1989, 299-306.
- \* 51. W. Lang, H. Perkins, R.E. Anderson, R. Royce, N. P. Jewell and W.Winkelstein, Jr., "Patterns of T lymphocyte changes with Human Immunodeficiency Virus infection: from seroconversion to the development of AIDS," *Journal of Acquired Immune Deficiency Syndromes*, 2, 1989, 63-69.
- \* 52. R.E. Fusaro, N. P. Jewell, W.W. Hauck, D.C. Heilbron, J.D. Kalbfleisch, J.M. Neuhaus and M. Ashby, "An annotated bibliography of quantitative methodology relating to the AIDS epidemic," *Statistical Science*, 4, 1989, 264-281.
- @ 53. R.E. Anderson, D. Kiprov, W. Lang, S. Shiboski, N. P. Jewell and W. Winkelstein, Jr., "Relation of serum antilymphocyte antibodies to the development of AIDS in HIV-seropositive men," (letter to the editor), *New England Journal of Medicine*, 320, 1989, 1754.
- \* 54. B. Ostro, M. Lipsett and N. P. Jewell, "Predicting respiratory morbidity from pulmonary function tests," *Journal of the Air Pollution Control Association*, 39, 1989, 1313-1318.
- @ 55. N. P. Jewell, Rejoinder to "A note on the estimate of the relative risk when sample sizes are small", by K-J Lui, *Biometrics*, 45, 1989, 1031-1032.
- \* 56. J.M. Neuhaus and N. P. Jewell, "Some comments on Rosner's multiple logistic model for clustered data," *Biometrics*, 46, 1990, 523-531.
- \* 57. R.E. Anderson, W. Lang, S. Shiboski, R. Royce, N. P. Jewell and W.Winkelstein, Jr., "Use of Beta-2 microglobulin level and CD-4 lymphocyte counts to predict development of AIDS in persons with Human Immunodeficiency Virus infection," *Archives of Internal Medicine*, 150, 1990, 73-77.

- \* 58. A. Rotnitzky and N. P. Jewell, "Hypothesis testing of regression parameters in semi-parametric generalized linear models for cluster correlated data," *Biometrika*, 77, 1990, 485-497.
- \* 59. J.M. Neuhaus and N. P. Jewell, "The effect of retrospective sampling on binary regression models for clustered data," *Biometrics*, 46, 1990, 977-990.
- \* 60. N. P. Jewell and S. Shiboski, "Statistical analysis of HIV infectivity based on partner studies," *Biometrics*, 46, 1990, 1133-1150.
- \* 61. N. Padian, S. Shiboski, and N. P. Jewell, "The effect of number of exposures on the risk of heterosexual HIV transmission," *Journal of Infectious Diseases*, 161, 1990, pp. 883-887.
- \* 62. N. P. Jewell, "Some statistical issues in studies of the epidemiology of AIDS," *Statistics in Medicine*, 9, 1990, 1387-1416.
- \*\*63. N. P. Jewell, "Comparing the positive jackknife with the usual jackknife," UC Berkeley Biostatistics Technical Report #23, 1991.
- \* 64. P. Bacchetti and N. P. Jewell, "Nonparametric estimation of the incubation period of AIDS based on a prevalent cohort with unknown infection times," *Biometrics*, 47, 1991, 947-960.
- \* 65. L.D. Robinson and N. P. Jewell, "Some surprising results about covariate adjustment in logistic regression models," *International Statistical Review*, 58, 1990, 227-240.
- \* 66. R.E. Anderson, W. Lang, R. Royce, S.C. Shiboski, N. P. Jewell and W. Winkelstein, Jr., "CD8+ T lymphocytes and progression to AIDS in HIV infected men: some observations," *AIDS*, 5, 1991, 213-215.
- @ 67. N. P. Jewell, "A comparison of maximum likelihood and Jewell's estimator of the odds ratio and relative risk in single  $2 \times 2$  tables," (letter to the editor), *Statistics in Medicine*, 10, 1991, 151-153.
- @ 68. L.D. Robinson and N. P. Jewell, "Covariate adjustment," (letter to the editor), *Biometrics*, 47, 1991, 342-343.
- \* 69. N.S. Padian, S.C. Shiboski, and N. P. Jewell, "Female-to-male transmission of Human Immunodeficiency Virus," *Journal of the American Medical Association*, 266, 1991, 1664-1667.
- \* 70. S. Shiboski and N. P. Jewell, "Statistical analysis of the time dependence of HIV infectivity based on partner study data," *Journal of the American Statistical Association*, 87, 1992, 360-372.
- \* 71. M. Ashby, J.M. Neuhaus, W.W. Hauck, D.C. Heilbron, R.E. Fusaro, and N. P. Jewell, "An annotated bibliography of methods for analyzing correlated categorical data", *Statistics in Medicine*, 11, 1992, 67-99.

- % 72. P. Bacchetti, M. Segal, and N. P. Jewell, "Uncertainty about the incubation period of AIDS and its impact on backcalculation," In *AIDS Epidemiology: Methodological Issues*, 1992, Jewell, N. P., Dietz, K., and Farewell, V. eds., Birkhauser-Boston.
- @ 73. N.S. Padian, S.C. Shiboski, and N. P. Jewell, "Heterosexual transmission of HIV," *Journal of the American Medical Association*, 267, 1992, 1918-1919.
- % 74. N. P. Jewell and J.D. Kalbfleisch, "Marker processes and applications to AIDS," In *AIDS Epidemiology: Methodological Issues*, 1992, Jewell, N. P., Dietz, K., and Farewell, V. eds., Birkhauser-Boston.
- & 75. *AIDS Epidemiology: Methodological Issues*, 1992, Jewell, N. P., Dietz, K., and Farewell, V. eds., Birkhauser-Boston.
- \* 76. M-C. Wang, R. Brookmeyer, and N. P. Jewell, "Statistical models for prevalent cohort data," *Biometrics*, 49, 1993, 1-11.
- \* 77. P. Bacchetti, M. Segal and N. P. Jewell, "Backcalculation of HIV infection rates (with discussion)", *Statistical Science*, 8, 1993, 82-119.
- \* 78. N. P. Jewell and J.P. Nielsen, "A framework for consistent prediction rules based on markers", *Biometrika*, 80, 1993, 153-164.
- % 79. N. P. Jewell and S.C. Shiboski, "The design and analysis of partner studies of HIV transmission," In *Methodological Issues in AIDS Behavioral Research*, 1993, Ostrow, D. G. & Kessler, R. eds., Plenum Publishing Company.
- \* 80. P. Bacchetti, M. Segal, N. Hessol, and N. P. Jewell, "Differing AIDS incubation periods and their impact on reconstructing HIV epidemics and projecting AIDS incidence," *Proceedings of the National Academy of Sciences*, 90, 1993, 2194-2196.
- \* 81. J.M. Neuhaus and N. P. Jewell, "A geometric approach to assess bias due to omitted covariates in generalized linear models". *Biometrika*, 80, 1993, 807-815.
- \*\* 82. N. P. Jewell, "Shaping the future of Public Health: The role of Biostatistics". Technical Report # 41, 1993, University of California, Berkeley, Division of Biostatistics.
- \* 83. M. Segal, P. Bacchetti and N. P. Jewell, "Variances for maximum penalized likelihood estimates obtained via the EM algorithm". *Journal of the Royal Statistical Society* 56, 1994, 345-352.
- \* 84. N. P. Jewell, H. Malani and E. Vittinghoff, "Nonparametric estimation for a form of doubly censored data with application to two problems in AIDS", *Journal of the American Statistical Association*, 89, 1994, 7-18.
- \* 85. E. Vittinghoff, H. Malani, and N. P. Jewell, "Estimating patterns of CD4 lymphocyte decline using data from a prevalent cohort of HIV infected individuals", *Statistics in Medicine*, 13, 1994, 1101-1118.
- \* 86. N. P. Jewell, "Nonparametric estimation and doubly-censored data: General ideas and applications to AIDS", *Statistics in Medicine*, 13, 1994, 2081-2095.

- \*% 87. N. P. Jewell, "Double censoring and all that: Problems in biostatistical inference", *Proceedings of Conference on Statistical Inference and Biostatistics*, ed. D. A. Sprott, CIMAT, Guanajuato, Mexico, 1994, 121-133.
- & 88. *Survival Tools for Statview*, 1994, Jewell, N. P., Baron, C., Abacus Concepts, Inc., Berkeley.
- \* 89. N. P. Jewell and M. van der Laan, "Generalizations of current status data with applications", *Lifetime Data Analysis*, 1, 1995, 101-109.
- \* 90. R. E. Fusaro, P. Bacchetti and N. P. Jewell, "A competing risks analysis of presenting AIDS diagnoses trends", *Biometrics*, 52, 1996, 211-225.
- \* 91. D. Rabinowitz and N. P. Jewell, "Regression with doubly censored current status data", *Journal of the Royal Statistical Society, Series B*, 58, 1996, 541-550.
- \* 92. N. P. Jewell and J. D. Kalbfleisch, "Marker processes in survival analysis", *Lifetime Data Analysis*, 2, 1996, 15-29.
- & 93. *Lifetime Data: Models in Reliability and Survival Analysis*, 1996, Jewell, N. P., Kimber, A.C., Lee, M-L. T., and Whitmore, G.A. eds., Kluwer
- \* 94. M. van der Laan, P. Bickel and N. P. Jewell, "Singly and doubly censored current status data: Estimation, asymptotics and regression", *Scandinavian Journal of Statistics*, 24, 1997, 1-19.
- \* 95. M. van der Laan, N. P. Jewell and D. Petersen, "Efficient estimation of the lifetime and disease onset distribution", *Biometrika*, 84, 1997, 539-554.
- \*% 96. N. P. Jewell and M. van der Laan, "Singly and doubly censored current status data with extensions to multi-state counting processes", *Proceedings of First Seattle Conference in Biostatistics*, 1997, Lin, D-Y. ed., Springer Verlag.
- & 97. *Encyclopedia of Biostatistics, Volumes 1-6*, 1998, Editors-in-Chief: Armitage, P., Colton, T., Editors: Jewell, N. P. and others, John Wiley and Sons, United Kingdom.
- \* 98. M. van der Laan and N. P. Jewell, "The NPMLE in the doubly censored current status data model", *Scandinavian Journal of Statistics*, 28, 2001, 537-547.
- \* 99. Y. Q. Chen and N. P. Jewell, "On a general class of semiparametric hazards regression models", *Biometrika*, 88, 2001, 687-702.
- \* 100. M. van der Laan and N. P. Jewell, "Current status data and right-censored data structures when observing a marker at the censoring time", *Annals of Statistics*, 31, 2003, 512-535.
- \* 101. Nicholas P. Jewell, M. van der Laan and T. Henneman, "Nonparametric estimation from current status data with competing risks", *Biometrika*, 90, 2003, 183-197.
- &\* 102. Nicholas P. Jewell, "*Statistics for Epidemiology*," Chapman & Hall, New York, 2003.

- \* 103. A. P. Galvani, X. Lei and Nicholas P. Jewell, "Severe Acute Respiratory Syndrome: Temporal stability and geographic variation in cumulative case fatality rates and average doubling times", *Emerging Infectious Diseases*, 9, 2003, 991-994.
- \* 104. Nicholas P. Jewell and M. van der Laan, "Current status data: Review, recent developments and open problems", *Advances in Survival Analysis, Handbook in Statistics #23*, 625-642, 2004, Balakrishnan, N. & Rao, C.R. eds, Elsevier.
- \* 105. Nicholas P. Jewell and J. D. Kalbfleisch, "Maximum likelihood estimation of ordered multinomial parameters", *Biostatistics*, 5, 2004, 291-306.
- \*106. Nicholas P. Jewell and M. van der Laan, "Case-control current status data", *Biometrika*, 91, 2004, 529-541.
- \*107. L. Goldman, B. Eskenazi, A. Bradman and Nicholas P. Jewell, "Risk behaviors for pesticide exposure among pregnant women living in farmworker households in Salinas, California", *American Journal of Industrial Medicine*, 45, 2004, 491-499.
- \*108. Y. Chen, Nicholas P. Jewell and J. Yang, "Accelerated hazards model: Method, theory and applications", *Advances in Survival Analysis, Handbook in Statistics #23*, 431-441, 2004, Balakrishnan, N. & Rao, C.R. eds, Elsevier.
- \*109. B. Eskenazi, K. Harley, A. Bradman, E. Weltzien, N. P. Jewell, D. Barr, C. Furlong, and N. Holland, "Association of *in utero* organophosphate exposure and fetal growth and length of gestation in an agricultural population", *Environmental Health Perspectives*, 112, 2004, 1116-1124.
- \*110. Y. Han, M. E. Schneck, M. A. Bearnse Jr., S. Barez, C. H. Jacobsen, Nicholas P. Jewell, and A. J. Adams, "Formulation and evaluation of a predictive model to identify the sites of future diabetic retinopathy", *Investigative Ophthalmology & Visual Science*, 45, 2004, 4106-4112.
- \*111. Y. Chen, Nicholas P. Jewell, X. Lei & S. C. Cheng, "Semiparametric estimation of proportional mean residual life model in presence of censoring", *Biometrics*, 61, 2005, 170-178.
- \*112. N. P. Jewell and B. W. Lu, "Some Variants of the Backcalculation Method for Estimation of Disease Incidence: An Application to Multiple Sclerosis Data from the Faroe Islands", *The International Journal of Biostatistics*: 2005, Vol. 1: No. 1, Article 2. <http://www.bepress.com/ijb/vol1/iss1/2>.
- \*113. Asa Bradman, Jonathan Chevrier, Ira Tager, Michael Lipsett, Jaqueline Sedgwick, Janet Macher, Ana B. Vargas, Elvia B. Cabrera, Jose M. Camacho, Rosana Weldon, Katherine Kogut, Nicholas P. Jewell, and Brenda Eskenazi, "Association of housing disrepair indicators with cockroach and rodent infestations in a cohort of pregnant Latina women and their children", *Environmental Health Perspectives*, 2005, 113, 1795-1801.
- \*114. Nicholas P. Jewell, M. van der Laan and X. Lei, "Bivariate current status data with univariate monitoring times", *Biometrika*, 92, 2005, 847-862.

- \*115. S. S. Arnon, R. Schechter, S. E. Maslanka, N. P. Jewell, and C. L. Hatheway, "Human botulism immune globulin for the treatment of infant botulism", *The New England Journal of Medicine*, 354, 2006, 462-471.
- \*116. N. P. Jewell, M. van der Laan, and S. Shiboski, "Choice of monitoring mechanism for optimal nonparametric functional estimation for binary data", *The International Journal of Biostatistics*, 2006, Vol. 2: No. 1, Article 7.  
<http://www.bepress.com/ijb/vol2/iss1/7>.
- \*117. B. Eskenazi, A. R. Marks, A. Bradman, L. Fenster, C. Johnson, D. B. Barr, and N. P. Jewell, "In utero exposure to Dichlorodiphenyltrichloroethane (DDT) and Dichlorodiphenyldichloroethylene (DDE) and neurodevelopment among young Mexican American children," *Pediatrics*, 118, 2006, 233-241.
- @118. B. Eskenazi, A. R. Marks, A. Bradman, C. Johnson, and N. P. Jewell, "Re: Dichlorodiphenyldichloroethylene. Implications of Eskenazi et al study to malaria control in Africa," *Pediatrics*, 2006  
<http://pediatrics.aappublications.org/cgi/eletters/118/1/233#2291>.
- @119. B. Eskenazi, A. R. Marks, A. Bradman, C. Johnson, and N. P. Jewell, "Re: DDT and neurodevelopment: results inconclusive to effect policy change," *Pediatrics*, 2006  
<http://pediatrics.aappublications.org/cgi/eletters/118/1/233#2291>.
- \*120. Nicholas P. Jewell, "Correspondences between regression models for complex binary outcomes and those for structured multivariate survival analyses", in *Advances in Statistical Modeling and Inference*, 2007, 45-64, V. Nair: editor, World Scientific, Hackensack, New Jersey.
- \*121. M. van der Laan, Alan E. Hubbard and Nicholas P. Jewell, "Estimation of treatment effects in randomized trials with noncompliance and a dichotomous outcome", *Journal of the Royal Statistical Society, Series B*, 69, 2007, 463-482.
- \*122. N.P. Jewell, X. Lei, A.C. Ghani, C. Donnelly, G.M. Leung, I.M. Ho, and A.J. Hedley, "Non-parametric estimation of the case fatality ratio with competing risks data: an application to Severe Acute Respiratory Syndrome (SARS)", *Statistics in Medicine*, 26, 2007, 1982-1998.
- \*123. B. Eskenazi, A. R. Marks, A. Bradman, K. Harley, D. B. Barr, C. Johnson, N. Morga and N. P. Jewell, "Organophosphate pesticides and neurodevelopment in young Mexican-American children," *Environmental Health Perspectives*, 115, 2007, 792-798.
- \*124. K. Hooper, J. She, M. Sharp, J. Chow, N. P. Jewell, R. Gephart and A. Holden, "Depuration of polybrominated diphenyl ethers (PBDEs) and polychlorinated biphenyls (PCBs) in breast milk from California first-time mothers (primiparae)," *Environmental Health Perspectives*, 115, 2007, 1271-1275.
- \*125. N. S. Padian, A. van der Straten, G. Ramjee, T. Chipato, G. de Bruyn, K. Blanchard, S. Shiboski, E. T. Montgomery, H. Fancher, H. Cheng, M. Rosenblum, M. van der Laan, N. Jewell, J. McIntyre, and the MIRA team, "Diaphragm and lubricant gel for prevention of HIV acquisition in southern African women: a randomized controlled trial," *The Lancet*, 370, 2007, 251-261.

- @126. N. P. Jewell, A. van der Straten, E.T. Montgomery, M. Rosenblum, and N. Padian, "Diaphragms and lubricant gel for prevention of HIV – Authors' reply," *The Lancet*, 370, 2007, 1823-1824.
- \*127. F. Vahidnia, B. Eskenazi, and N.P. Jewell, "Maternal smoking, alcohol drinking, and febrile convulsion", *Seizure-European Journal of Epilepsy*, 17, 2008, 320-326.
- \*128. J. Young, N. P. Jewell and S. Samuels, "Regression analysis of a disease onset distribution using diagnosis data", *Biometrics*, 64, 2008, 20-28.
- \*129. A. Bradman, A. L. Salvatore, M. Boeniger, R. Castorina, J. Snyder, D. B. Barr, N. P. Jewell, G. Kavanaugh-Baird, C. Striley and B. Eskenazi, "Community-based intervention to reduce pesticide exposures to farmworkers and potential take-home exposures to their families," *Journal of Exposure Science and Environmental Epidemiology*, 19, 2008, 79-89.
- \*\* 130. M. Rosenblum, N. P. Jewell, M. J. van der Laan, S. Shiboski, A. van der Straten and N. Padian, "Detailed version: Analyzing direct effects in randomized trials with secondary interventions." *U.C. Berkeley Division of Biostatistics Working Paper Series*. Working Paper 225. <http://www.bepress.com/ucbbiostat/paper225>.
- \*131. A. L. Salvatore, A. Bradman, R. Castorina, J. Camacho, J. Lopez, D. B. Barr, J. Snyder, N. P. Jewell and B. Eskenazi, "Occupational behaviors and farmworkers' pesticide exposure: Findings from a study in Monterey County, California," *American Journal of Industrial Medicine*, 51, 2008, 782-794.
- \*132. M. Rosenblum, N. P. Jewell, M. J. van der Laan, S. Shiboski, A. van der Straten and N. Padian, "Analyzing direct effects in randomized trials with secondary intervention: An application to HIV prevention trials." *Journal of the Royal Statistical Association, Series A.*, 172, 2009, 443-465.
- \*133. Nicholas P. Jewell, "Quantifying the source of infection for HIV- infected hemophiliacs in the UK from 1979—1984," *Statistics in Medicine*, 28, 2009, 1464-1472.
- \*@ 134. Nicholas P. Jewell, "On tumorigenic effect of moisturizing creams in UVB-pretreated high-risk mice," in press, *Journal of Investigative Dermatology*.
- \*135. Nicholas P. Jewell, "Risk comparisons," in press, *American Journal of Ophthalmology*.
- \*136. Nicholas P. Jewell, "Risk interpretation, perception and communication," in press, *American Journal of Ophthalmology*.

137. A.E. Hubbard, J. Ahern, N.L. Fleischer, M. van der Laan, S.A. Lippman, Nicholas P. Jewell, T. Bruckner and W.A. Satariano, "To GEE or not to GEE: comparing estimating function and likelihood-based methods for estimating the associations between neighborhood risk factors and health," in press, *Epidemiology*.