

CURRICULUM VITAE

Name: Theodore R. Holford

Appointment: Susan Dwight Bliss Professor of Public Health (Biostatistics)

School Assignment:

School of Medicine and Graduate School

Education:

1965-1969 B.A., Andrews University - Mathematics and Chemistry with honors

1969-1973 Ph.D., Yale University - Biometry
Thesis: Stochastic Models in Schistosomiasis and Their Application to
Epidemiologic Data

Career:

9/72 - 12/73 Research Staff Biometrician, Yale University (Research Associate for the
Committee for the Assessment of Biometric Aspects of Controlled Trials
of Hypoglycemic Agents)

1/74 - 6/79 Assistant Professor of Public Health (Biometry), Yale University

1/74 - 6/79 Assistant Professor of Public Health (Biometry), Yale University

7/81 - 7/82 Sabbatical leave at the Department of Biomathematics, University of
Oxford

7/84 - 6/85 Acting Head, Division of Biostatistics, Department of Epidemiology and
Public Health, Yale University

7/79 - 6/89 Associate Professor of Public Health (Biostatistics), Yale University
(tenure on 7/83)

7/89 - present Professor of Public Health (Biostatistics), Yale University School of
Medicine

7/90 - 6/97 Head, Division of Biostatistics, Department of Epidemiology and Public
Health, Yale University School of Medicine

7/93 –present Professor of Statistics, Yale University

7/97 – 6/02 Director of Graduate Studies, Department of Epidemiology and Public
Health, Yale University School of Medicine

7/99 – 6/02 Associate Director, Investigative Medicine Program, Yale University
School of Medicine

1/01-6-01	Triennial Leave at Division of Cancer Control and Population Sciences, Surveillance Research Program, National Cancer Institute, Rockville, MD.
7/01 - 12/01	Acting Dean for Public Health and Acting Chair, Department of Epidemiology and Public Health, Yale University School of Medicine
11/02 - present	Susan Dwight Bliss Professor of Public Health (Biostatistics), Department of Epidemiology and Public Health
7/03 - present	Head, Division of Biostatistics, Department of Epidemiology and Public Health, Yale University School of Medicine

Professional Honors or Recognition:

Honors from regional and national organizations

7/81-7/82	Recipient of an Eleanor Roosevelt International Cancer Fellowship from the UICC (International Union Against Cancer)
10/90	Recipient of the Wakeman Award for Research in the Neurosciences
9/97	Fellow of the American College of Epidemiology
8/05	Fellow of the American Statistical Association

Other awards or honors

11/02	Appointed Susan Dwight Bliss Professor of Public Health (Biostatistics)
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Lectures, Courses:

August, 1979. Invited paper. The application of log-linear models to the analysis of case-control studies. Annual Meeting, American Statistical Association, Washington, D.C.

June, 1980. Invited paper. Multivariate analysis of case-control studies using log-linear models. Annual Meeting of the Society for Epidemiologic Research, Minneapolis, Minnesota.

March, 1981. Invited paper. The analysis of age-period-cohort trends in vital rates. Spring Regional Meeting of the Biometric Society (ENAR), Richmond, Virginia.

May, 1981. Invited paper. Methods of adjusting for covariates in survival analysis. Annual Meeting of the Society for Clinical Trials, San Francisco, California.

July, 1981. Invited participant in a Conference on the Effects of Low Dose Ionizing Radiation, Coolfont, West Virginia.

February, 1982. Invited paper. Analysing censored survival data in large datasets. Meeting of the Biometric Society, London.

March, 1982. Invited paper. The estimation of age, period and cohort effects for vital rates.

- Meeting on Medizinische Statistik, Mathematisches Forschungsinstitut Oberwolfach, Federal Republic of Germany.
- June, 1984. Invited participant in a Student Workshop on Epidemiologic Methods. Society for Epidemiologic Research. Houston, Texas.
- August, 1984. Invited paper. Problems in presenting time trends in cancer incidence rates. Annual Meeting, American Statistical Association, Philadelphia, Pennsylvania.
- June, 1986. Invited paper. Regression models for epidemiologic analysis. Society for Epidemiologic Research. Pittsburgh, Pennsylvania.
- August, 1986. Invited paper. Projecting trends in cancer incidence. Annual Meeting, American Statistical Association. Chicago, Illinois.
- Summer, 1987. Graduate Summer Session in Epidemiology at the University of Minnesota.
- Summer, 1988. Graduate Summer Session in Epidemiology at the University of Michigan.
- Summer, 1989. Graduate Summer Session in Epidemiology at the University of Michigan.
- October, 1991. Invited paper. Time trends: Are they real? And what do they mean? Workshop on the Time Trends in Non-Hodgkin's Lymphoma. National Cancer Institute, Bethesda, Maryland.
- December, 1993. Invited paper. Update on the Third National Acute Spinal Cord Injury Study (NASCIS III). Neurotrauma Society, Washington
- May, 2001. Spatial modeling of age, period and cohort effects. Invited paper. EPA Conference on Environmental Statistics and Information. Philadelphia, Pennsylvania.
- June, 2001. Spatial Modeling of Age, Period and Cohort Effects. Invited paper. Washington Statistical Society, Washington, D.C.
- December, 2001. Spatial Modeling of Age, Period and Cohort Effects. Invited paper. Connecticut Chapter of the American Statistical Association. Wallingford, Connecticut.
- September-December, 2002. Applied Regression analysis. A distance learning program offered over the internet by Yale University Department of Statistics and Division of Biostatistics to employees at Pfizer.
- March, 2002. Approaches to fitting age-period-cohort models with unequal intervals. Spring Meeting, The Biometric Society, Eastern North American Region, Arlington, Virginia.
- June, 2004. Age, Period, Cohort Analysis of the Variation in Temporal Trends for Lung Cancer Incidence among Connecticut Towns, 1973-2002. Poster presented at Society for Epidemiologic Research Meeting, Salt Lake City, Utah.
- August, 2004. Spatial Summaries of Small Area Temporal Effects from an Age-Period-Cohort Model. Presentation at the Joint Statistical Meetings, Toronto, Ontario.

June, 2007. Integrated Traffic Exposure Model Using GIS in Environmental Epidemiology.
Presented at Society for Epidemiologic Research Meeting, Boston, Massachusetts

Professional Service:

Editorships

1984-1988 Associate Editor, *Biometrics*
1989-1998 Associate Editor, American Journal of Epidemiology
1990-2005 Editor, Statistical Methods in Medical Research
1999-present Associate Editor, *Journal of Epidemiology and Biostatistics*

Committees

Consensus development conference on health implications of smokeless tobacco, National Cancer Institute and National Institute of Dental Research, January, 1986

Epidemiology and Disease Control Study Section (EDC2), National Institutes of Health, 1986-1989

ENAR Regional Advisory Board, The Biometric Society, 1987-1990

Epidemiology Advisory Subcommittee, Oak Ridge Associated Universities, 1988-1993

Advisory Committee for the New York State Department of Health's Cancer Surveillance Improvement Initiative, 1998-2000

Data Safety Monitoring Board, Rare Diseases Clinical Research Network, 2006-present

Bibliography:

Peer-reviewed original research

1. Report of the Committee for the Assessment of Biometric Aspects of Controlled Trials of Hypoglycemic Agents. *Journal of the American Medical Association* 1975; 231: 583-608.
2. Holford, T.R. Life tables with concomitant information. *Biometrics* 1976; 32: 587-597.
3. Holford, T.R. and Hardy, R.J. A stochastic model for the analysis of age-specific prevalence curves in schistosomiasis. *Journal of Chronic Diseases* 1976; 29: 445-458.
4. Kelsey, J.L., Holford, T.R., White, C., Mayer, E.S., Kilty, S.E. and Acheson, R.M. Oral contraceptives and breast disease: An epidemiological study. *American Journal of Epidemiology* 1978; 107: 236-244.
5. Holford, T.R., White, C. and Kelsey, J.L. Multivariate analysis for matched case-control studies. *American Journal of Epidemiology* 1978; 107: 245-256.
6. Kelsey, J.L., Dwyer, T., Holford, T.R. and Bracken, M.B. Maternal smoking and congenital malformations: An epidemiological study. *Journal of Epidemiology and Community Health*

- 1978; 32: 102-107.
7. LiVolsi, V.A., Stadel, B.V., Kelsey, J.L., Holford, T.R. and White, C. Fibrocystic breast disease in oral contraceptive users: A histopathological evaluation of epithelial atypia. *New England Journal of Medicine* 1978; 299: 381-385.
 8. Walter, S.D. and Holford, T.R. Additive, multiplicative, and other models for disease risks. *American Journal of Epidemiology* 1978; 108: 341-346.
 9. Holford, T.R. The analysis of pair-matched case-control studies, a multivariate approach. *Biometrics* 1978; 34: 665-672.
 10. Peduzzi, P., Holford, T.R. and Hardy, R.J. A computer program for life-table regression analysis and time-dependent covariates. *Computer Programs in Biomedicine* 1979; 9: 106-114.
 11. Bracken, M.B. and Holford, T.R. Induced abortion and congenital malformations in offspring of subsequent pregnancies. *American Journal of Epidemiology* 1979; 109: 425-432.
 12. Bracken, M.B., Holford, T.R., White, C. and Kelsey, J.L. Role of oral contraception in congenital malformations of offspring. *International Journal of Epidemiology* 1978; 7: 309-317.
 13. Leaderer, B.P., Holford, Stolwijk, J.A. Relationship between sulfate aerosol and visibility. *Journal of the Air Pollution Control Association* 1979; 29: 154-157.
 14. LiVolsi, V.A., Stadel, B.V., Kelsey, J.L. and Holford, T.R. Fibroadenoma in oral contraceptive users: A histopathologic evaluation of epithelial atypia. *Cancer* 1979; 44: 1778-1781.
 15. Freeman, D.H. and Holford, T.R. Summary rates. *Biometrics* 1980; 36: 195-205.
 16. Holford, T.R. The analysis of rates and of survivorship using log-linear models. *Biometrics* 1980; 36: 299-305.
 17. Peduzzi, P.N., Hardy, R.J. and Holford, T.R. A stepwise variable selection procedure for non-linear regression models. *Biometrics* 1980; 36: 511-516.
 18. Zito, R.A., Caride, V.J., Holford, T.R. and Zaret, B.L. Regional myocardial kinetics of lidocaine in experimental infarction: Modulation by regional blood flow. *American Journal of Cardiology* 1981; 47: 265-270.
 19. Bracken, M.B. and Holford, T.R. Exposure to prescribed drugs in pregnancy and association with congenital malformations. *Obstetrics and Gynecology* 0; 58: 336-344.
 20. Hildreth, N.G., Kelsey, J.L., LiVolsi, V.A., Fischer, D.B., Holford, T.R., Mostow, E.D., Schwartz, P.E. and White, C. An epidemiologic study of epithelial carcinoma of the ovary. *American Journal of Epidemiology* 1981; 114: 398-405.
 21. Kelsey, J.L., Fischer, D.B., Holford, T.R., LiVolsi, V.A. Mostow, E.D., Goldenberg, I.S. and

- White, C. Exogenous estrogens and other factors in the epidemiology of breast cancer. *Journal of the National Cancer Institute* 1981; 67: 327-333.
22. Hubert, H.B., Holford, T.R. and Kannel, W.H. Clinical characteristics and cigarette smoking in relation to prognosis of angina pectoris in Framingham. *American Journal of Epidemiology* 1982; 115: 231-242.
 23. LiVolsi, V.A., Kelsey, J.L., Fischer, D.B., Holford, T.R., Mostow, E.D. and Goldenberg, I.S. Effect of age at first childbirth on risk of developing specific histologic subtype of breast cancer. *Cancer* 1982; 49: 1937-1940.
 24. Kreiger, N., Kelsey, J.L., Holford, T.R. and O'Connor, T. An epidemiological study of hip fracture in postmenopausal women. *American Journal of Epidemiology* 1982; 116: 141-148.
 25. Leaderer, B.P., Tanner, R.L. and Holford, T.R. Diurnal variations, chemical composition and relation to meteorological variables of the summer aerosol in the New York subregion. *Atmospheric Environment* 1982; 16: 2075-2087.
 26. Holford, T.R. Covariance analysis for case-control studies with small blocks. *Biometrics* 1982; 38: 673-683.
 27. Holford, T.R. The estimation of age, period and cohort effects for vital rates. *Biometrics* 1983; 39: 311-324.
 28. Kelsey, J.L., LiVolsi, V.A., Holford, T.R., Fischer, D.B., Mostow, E.D., Schwartz, P.E., O'Connor, T. and White, C. A case-control study of cancer of the endometrium. *American Journal of Epidemiology* 1982; 116: 333-342.
 29. Berkowitz, G.S., Holford, T.R. and Berkowitz, R.L. Effects of cigarette smoking, alcohol, coffee and tea consumption on preterm delivery. *Early Human Development* 1982; 7: 239-250.
 30. Berkowitz, G.S., Kelsey, J.L., Holford, T.R. and Berkowitz, R.L. Physical activity and the risk of preterm spontaneous delivery. *Journal of Reproductive Medicine* 1983; 28: 581-588.
 31. Goldacre, M.J., Holford, T.R. and Vessey, M.P. Cardiovascular disease and vasectomy: Findings from two epidemiological studies. *New England Journal of Medicine* 1983; 308: 805-808.
 32. Berkowitz, G.S., Kelsey, J.L., LiVolsi, V.A., Holford, T.R., Merino, M.J., Ort, S., O'Connor, T.Z., Goldenberg, I.S. and White, C. Oral contraceptive use and fibrocystic breast disease among pre- and postmenopausal women. *American Journal of Epidemiology* 1984; 120: 87-96.
 33. Hildreth, N.G., Kelsey, J.L., Eisenfeld, A.J., LiVolsi, V.A., Holford, T.R. and Fischer, D.B. Differences in breast cancer risk factors according to the estrogen receptor level of the tumor. *Journal of the National Cancer Institute* 1983; 70: 1027-1031.
 34. Pastides, H., Kelsey, J.L., LiVolsi, V.A. Holford, T.R., Fischer, D.B. and Goldenberg, I.S. Oral

- contraceptive use and fibrocystic breast disease with special reference to its histopathology. *Journal of the National Cancer Institute* 1983; 71: 5-9.
35. Kelsey, J.L., Githens, P.B., Walter, S.D., Southwick, W.O., Weil, U., Holford, T.R., Ostfeld, A.M., Calogero, J.A., O'Connor, T. and White, A.A. An epidemiologic study of acute prolapsed cervical intervertebral disc. *Journal of Bone and Joint Surgery* 1984; 66-A: 907-914.
 36. Kelsey, J.L., Githens, P.B., White, A.A., Holford, T.R., Walter, S.D., O'Connor, T., Ostfeld, A.M., Weil, U., Southwick, W.O. and Calogero, J.A. An epidemiologic study of lifting and twisting on the job and risk for acute prolapsed lumbar intervertebral disc. *Journal of Orthopaedic Research* 1984; 2: 61-66.
 37. Kelsey, J.L., Githens, P.B., O'Connor, T., Weil, U., Calogero, J.A., Holford, T.R., White, A.A., Walter, S.D., Ostfeld, A.M. and Southwick, W.O. Acute prolapsed lumbar intervertebral disc: An epidemiologic study with special reference to driving automobiles and cigarette smoking. *Spine* 1984; 9: 608-613.
 38. Berkowitz, G.S., Kelsey, J.L., LiVolsi, V.A., Merino, M.J., Holford, T.R., Hildreth, N.G., Ort, S., O'Connor, T.Z. and White, C. Exogenous hormone use and fibrocystic breast disease by histopathologic component. *International Journal of Cancer* 1984; 34: 443-449.
 39. Garlinghouse, L.E., Smith, A.L. and Holford, T. The biological relationship of mouse hepatitis virus (MHV) strains and interferon: *In Vitro* induction and sensitivities. *Archives of Virology* 1984; 82: 19-29.
 40. Berkowitz, G.S., Kelsey, J.L., LiVolsi, V.A., Holford, T.R., Merino, M.J., Beck, G.J., Ort, S., O'Connor, T.Z. and White, C. Estrogen replacement therapy and fibrocystic breast disease in postmenopausal women. *American Journal of Epidemiology* 1985; 121: 238-245.
 41. Pastides, H., Kelsey, J.L., Holford, T.R. and LiVolsi, V.A. An epidemiologic study of fibrocystic breast disease with reference to ductal epithelial atypia. *American Journal of Epidemiology* 1985; 121: 440-447.
 42. Holford, T.R., Brown, S.E. and Knudson, D.L. Estimation of DNA fragment size and generation of DNA restriction endonuclease maps using linear models. *Journal of Virological Methods* 1985; 10: 117-126.
 43. Roush, G.C., Schymura, M.J., Holford, T.R., White, C. and Flannery, J.T. Time period compared to birth cohort in Connecticut incidence rates for twenty-five malignant neoplasms. *Journal of the National Cancer Institute* 1985; 74: 779-788.
 44. Roush, G.C., Schymura, M.J. and Holford, T.R. Risk for cutaneous melanoma in recent Connecticut birth cohorts. *American Journal of Public Health* 1985; 75: 679-682.
 45. Berkowitz, G.S., Kelsey, J.L., LiVolsi, V.A., Holford, T.R., Merino, M.J., Ort, S., O'Connor, T.Z. and White, C. Risk factors for fibrocystic breast disease and its histopathologic components. *Journal of the National Cancer Institute* 1985; 75: 43-50.
 46. Barnea, E.R., Holford, T.R. and McInnes, D.R.A. Long term prognosis of infertile couples with

- normal basic investigation -- Life table analysis. *Obstetrics and Gynecology* 1985; 66: 24-26.
47. Bracken, M.B., Bryce-Buchanan, C., Silten, R. and Holford, T. Menarcheal age and habitual miscarriage: Evidence for an association. *Annals of Human Biology* 1985; 12: 525-531.
 48. Holford, T.R. An alternative approach to statistical age-period-cohort analysis. *Journal of Chronic Diseases* 1985; 38: 831-836.
 49. Bracken, M.B., Hellenbrand, K.G., Holford, T.R. and Bryce-Buchanan, C. Low birthweight in pregnancies following induced abortion: No evidence for an association. *American Journal of Epidemiology* 1986; 123: 604-613.
 50. Bracken, M.B., Bryce-Buchanan, C. Srisuphan, W., Holford, T.R., Silten, R. Risk of late first and second trimester miscarriage after induced abortion. *American Journal of Perinatology* 1986; 3: 84-91.
 51. Todd, M.B., Portlock, C.S., Farber, L.R., Holford, T.R., and Bertino, J.R. Prognostic indicators in diffuse large-cell (histiocytic) lymphoma. *International Journal of Radiation Oncology Biology Physics* 1986; 12: 593-601.
 52. Coustan, D.R., Reece, E.A., Sherwin, R.S., Rudolf, M.C.J., Bates, S.E., Sockin, S.M., Holford, T.R., Taborlane, W.V. A randomized clinical trial of the insulin pump vs intensinve conventional therapy in diabetic pregnancies. *Journal of the American Medical Association* 1986; 255: 631-636.
 53. Yarkoni, S., Reece, E.A., Wan, M., Holford, T., Romero, R., Hobbins, J.C. Intrapartum fetal weight estimation: A comparison of three formulae. *Journal of Ultrasound Medicine* 1986; 5: 707-710.
 54. Yarkoni, S., Reece, E.A., Holford, T., O'Connor, T.Z., Hobbins, J.C. Estimated fetal weight in the evaluation of growth in twin gestations: A prospective longitudinal study. *Obstetrics and Gynecology* 1987; 69: 636-639.
 55. Reece, E.A., Holford, T., Tuck, S., Bargar, M., O'Connor, T., and Hobbins, J.C. Screening for gestational diabetes: One-hour carbohydrate tolerance test performed by a virtually tasteless polymer of glucose. *American Journal of Obstetrics and Gynecology* 1987; 156: 132-134.
 56. Roush, G.C., Schymura, M.J., Stevenson, J.M., and Holford, T.R. Time and age trends for sinonasal cancer in Connecticut incidence and U.S. mortality rates. *Cancer* 1987; 60: 422-428.
 57. Reece, E.A., Moya, F., Yazigi, R., Holford, T., Duncan, C., Ehrenkranz, R.J. Persistent pulmonary hypertension: Assessment of Perinatal Risk Factors. *Obstetrics and Gynecology* 1987; 70: 696-700.
 58. Wickramaratne, P.J., and Holford, T.R. Confounding in epidemiologic studies: The adequacy of the control group as a measure of confounding. *Biometrics* 1987; 43: 751-765.

59. Peduzzi, P., Holford, T., Detre, K., and Chan, Y.-K. Comparison of the logistic and Cox regression models when outcome is determined in all patients after a fixed period of time. *Journal of Chronic Diseases* 1987; 40: 761-767.
60. Eskenazi, B., Bracken, M.B., Holford, T.R., and Grady, J. Exposure to organic solvents and hypertensive disorders of pregnancy. *American Journal of Industrial Medicine* 1988; 14: 177-188.
61. Roush, G.C., Schymura, M.J., Holford, T.R. Patterns of invasive melanoma in the Connecticut Tumor Registry: Is the long-term increase real? *Cancer* 1988; 60: 2586-2595.
62. Reece, E.A., Coustan, D.P., Hayslett, J.P., Holford, T., Coulehan, J., O'Connor, T.Z. Diabetic nephropathy: Pregnancy performance and fetomaternal outcome. *American Journal of Obstetrics and Gynecology* 1989; 159: 56-66.
63. Wickramaratne, P.J., Weissman, M.M., Leaf, P.J., Holford, T.R. Age, period and cohort effects on the risk of major depression: Results from five United States Communities. *Journal of Clinical Epidemiology* 1989; 42: 333-343.
64. Holford, T.R., Walter, S.D., and Dunnett, C.W. Simultaneous interval estimates of the odds ratio in studies with two or more comparisons. *Journal of Clinical Epidemiology* 1989; 42: 427-434.
65. Holford, T.R., Bracken, M.B., and Eskenazi, B. Log-linear models for the analysis of matched cohort studies. *American Journal of Epidemiology* 1989; 130: 1247-1253.
66. Bracken, M.B., Hellenbrand, K.G., and Holford, T.R. Conception delay after oral contraceptive use: The effect of estrogen dose. *Fertility and Sterility* 1990; 53: 21-27.
67. Wickramaratne, P.J., and Holford, T.R. Confounding in epidemiologic studies, Response to Reader Reactions. *Biometrics* 1989; 45: 1319-1322.
68. Reece, E.A., Winn, H.N., Smikle, C., Holford, T., Nelson-Robinson, L., DeGennaro, N., and Hobbins, J. Sonographic assessment of growth of the fetal head in diabetic pregnancies compared with normal gestations. *American Journal of Perinatology* 1990; 7: 18-22.
69. Reece, E.A., Smikle, C., O'Connor, T.Z., Holford, T., Nelson-Robinson, L., Degennaro, N., and Hobbins, J.C. A longitudinal study comparing growth in diabetic pregnancies with growth in normal gestations: I. The fetal weight. *Obstetrical and Gynecological Survey* 1990; 45: 160-164.
70. Bracken, M.B., Shepard, M.J., Collins, W.F., Holford, T.R., *et al.* A randomized clinical trial of methylprednisolone and naloxone used in the initial treatment of acute spinal cord injury. *New England Journal of Medicine* 1990; 322: 1405-1411.
71. Peduzzi, P., Detre, K., Wittes, J., and Holford, T. Intent-to-treat analysis and the problem of crossovers: An example from the VA coronary bypass surgery study. *Journal of Thoracic and Cardiovascular Surgery* 1991; 101: 481-487.

72. Holford, T.R., Roush, G.C., and McKay, L.A. Trends in female breast cancer in Connecticut and the United States. *Journal of Clinical Epidemiology* 1991; 44: 29-39.
73. Holford, T.R. Understanding the effects of age, period and cohort on incidence and mortality rates. *Annual Reviews of Public Health* 1991; 12: 425-457.
74. Reece, E.A., Yarkoni, S., Abdalla, M., Gabrielli, S., Holford, T., O'Connor, T.Z., Hobbins, J.C. A prospective longitudinal study of growth in twin gestations compared with growth in singleton pregnancies: I. The fetal head. *Journal of Ultrasound in Medicine* 1991; 10: 439-443.
75. Reece, E.A., Yarkoni, S., Abdalla, M., Gabrielli, S., Holford, T., O'Connor, T.Z., Hobbins, J.C. A prospective longitudinal study of growth in twin gestations compared with growth in singleton pregnancies: II. The fetal limbs. *Journal of Ultrasound in Medicine* 1991; 10: 445-450.
76. Abelow, B.M., Holford, T.R., and Insongna, K.L. Cross-cultural association between dietary animal protein and hip fracture: A hypothesis. *Calcified Tissue International* 1992; 50:14-18.
77. Bracken, M.B., Shepard, M.J., Collins, W.F., Holford, T.R., *et al.* Methylprednisolone or Naloxone treatment after acute spinal cord injury: 1-year follow-up data. Results of the second National Acute Spinal Cord Injury Study. *Journal of Neurosurgery* 1992; 76: 23-31.
78. Holford, T.R., and Bracken, M.B. A model for estimating level and net severity of spinal cord injuries. *Statistics in Medicine* 1992; 11: 1171-1186.
79. Roush, G.C., McKay, L., and Holford, T.R. A reversal in the long-term increase in deaths attributable to malignant melanoma. *Cancer* 1992; 69: 1714-1720.
80. Zheng, T., Mayne, S.T., Boyle, P., Holford, T.R., and Flannery, J. Epidemiology of Non-Hodgkin Lymphoma in Connecticut: 1935-1988. *Cancer* 1992; 70: 840-849.
81. Holford, T.R., Zheng, T., Mayne, S.T., and McKay, L.A. Time trends of non-Hodgkin's lymphoma: Are they real? What do they mean? *Cancer Research (Suppliment)* 1992; 52: 5443s-5446s.
82. Holford, T.R. Analyzing the temporal effects of age, period and cohort. *Statistical Methods in Medical Research* 1992; 1: 317-337.
83. Bernstein, J.L., Thompson, W.D., Risch, N., and Holford, T.R. Risk factors predicting the incidence of second primary breast cancer among women diagnosed with a first primary breast cancer. *American Journal of Epidemiology* 1992; 136: 925-936.
84. Bernstein, J.L., Thompson, W.D., Risch, N., and Holford, T.R. The genetic epidemiology of second primary breast cancer. *American Journal of Epidemiology* 1992; 136: 937-948.
85. Zheng, T., Mayne, S.T., Holford, T.R., Boyle, P., and Flannery, J. Time trend and age-period-cohort effects on incidence of esophageal cancer in Connecticut, 1935-89. *Cancer Causes*

and Control 1992; 3:481-492.

86. Peduzzi, P., Wittes, J., Detre, K., and Holford, T. Analysis as-randomized and the problem of nonadherence: An example from the veterans affairs randomized trial of coronary artery bypass surgery. *Statistics in Medicine* 1993; 12:1185-1195.
87. Dubrow, R., Bernstein, J., and Holford, T.R. Age-period-cohort modelling of large bowel cancer incidence by anatomic subsite and sex in Connecticut. *International Journal of Cancer* 1993; 53: 907-913.
88. Concato, J., Feinstein, A.R., and Holford, T.R. The risk of determining risk with multivariable models. *Annals of Internal Medicine* 1992; 118: 201-210.
89. Zheng, T., Mayne, S.T., Holford, T.R., Boyle, P., Liu, W., Chen, Y., Mador, M., Flannery, J. The time trend and age-period-cohort effects on incidence of adenocarcinoma of the stomach in Connecticut, 1955-1989. *Cancer* 1993; 72:330-340.
90. Bracken, M.B., Holford, T.R. Effects of timing of methylprednisolone or naloxone administration on recovery of segmental and long tract neurologic function in NASCIS 2. *Journal of Neurosurgery* 1993; 79: 500-507.
91. Holford, T.R., Zhang, Z., McKay, L.A. Estimating age, period and cohort effects using the multistage model for cancer. *Statistics in Medicine* 1994; 13: 23-41.
92. Zheng, T., Holford, T.R., Boyle, P., Mayne, S.T., Liu, W., and Flannery, J. Time trend and the age-period-cohort effect on the incidence of histologic types of lung cancer in Connecticut, 1960-1989. *Cancer* 1994; 74: 1556-1567.
93. Dubrow, R., Johansen, C., Skov, T., and Holford, T.R. Age-period-cohort modelling of large-bowel-cancer incidence by anatomic sub-site and sex in Denmark. *International Journal of Cancer* 1994; 58: 324-329.
94. Chen, Y., Zheng, T., Holford, T.R., Berwick, M., and Dubrow, R. Malignant melanoma incidence in Connecticut: Time trends and age-period-cohort modeling by anatomic site. *Cancer Causes and Control* 1994; 5: 341-350.
95. Katz, D.L., Zheng, T., Holford, T.R., and Flannery, J. Time trends in the incidence of renal carcinoma: Analysis of Connecticut Tumor Registry data, 1935-1989. *International Journal of Cancer* 1994; 58: 57-63.
96. Kiuchi, A.S., Hartigan, J.A., Holford, T.R., Rubinstein, P., and Stevens, C.E. Change points in the series of T4 counts prior to AIDS. *Biometrics* 1995; 51: 236-248.
97. Bracken, M.B., Belanger, K., Hellenbrand, K., Dlugosz, L., Holford, T.R., McSharry, J.E., Adesso, K., and Leaderer, B. Exposure to electromagnetic fields during pregnancy with emphasis on electrically heated beds: Association with birth weight and intrauterine growth retardation. *Epidemiology* 1995; 6: 263-270.
98. Holford, T.R. Book Review of Trends in cancer incidence and mortality, R. Doll, J.F.

- Fraumeni, Jr., and C.S. Muir, Editors. *Cancer Causes and Control* 1995; 6: 180-181.
99. Doria, R., Holford, T., Farber, L.R., Prosnitz, L.R., and Cooper, D.L. Second solid malignancies after combined modality therapy for Hodgkin's disease. *Journal of Clinical Oncology* 1995; 13: 2016-2022.
 100. Zhang, H., Holford, T., and Bracken, M.B. A tree-based method of analysis for prospective studies. *Statistics in Medicine* 1996; 15: 37-49.
 101. Shaywitz, B.A., Holford, T.R., Holahan, J.M., Fletcher, J.M., Stuebing, K.K., Francis, D.J., and Shaywitz, S.E. A Matthew effect for IQ but not for reading: Results from a longitudinal study. *Reading Research Quarterly* 1995; 30: 894-906.
 102. Zheng, T., Holford, T.R., Ward, B.A., Boyle, P., and Flannery, J. Time trend in pancreatic cancer incidence in Connecticut, 1935-1990. *International Journal of Cancer* 1995; 61: 622-627.
 103. Holford, T.R., Zhang, Z., Zheng, T., and McKay, L.A. A model for the effect of cigarette smoking on lung cancer incidence in Connecticut. *Statistics in Medicine* 1996; 15: 565-580.
 104. Zheng, T., Holford, T.R., Ward, B.A., McKay, L.A., Boyle, P., and Flannery, J. Continuing increase in incidence of germ-cell testis cancer in young adults: Experience from Connecticut, USA, 1935-1992. *International Journal of Cancer* 1996; 65: 723-729.
 105. Concato, J., Peduzzi, P., Holford, T.R., and Feinstein, A.R. Importance of events per independent variable in proportional hazards analysis. I. Background, goals and general strategy. *Journal of Clinical Epidemiology* 1995; 48:1495-1501.
 106. Peduzzi, P., Concato, J., Feinstein, A.R., and Holford, T.R. Importance of events per independent variable in proportional hazards analysis. II. Accuracy and precision of regression estimates. *Journal of Clinical Epidemiology* 1995; 48: 1503-1510.
 107. O'Connor, T.Z., Holford, T.R., Leaderer, B.P., Hammond, S.K., and Bracken, M.B. Measurement of exposure to environmental tobacco smoke in pregnant women. *American Journal of Epidemiology* 1995; 142: 1315-1321.
 108. Dlugosz, L., Belanger, K., Hellenbrand, K., Holford, T.R., Leaderer, B., Bracken, M.B. Maternal caffeine consumption and spontaneous abortion: A prospective cohort study. *Epidemiology* 1996; 7: 250-255.
 109. Zheng, T., Holford, T.R., Ma, Z., Chen, Y., Liu, W., Ward, B.A., Boyle, P. The continuing increase in adenocarcinoma of the uterine cervix: A birth cohort phenomenon. *International Journal of Epidemiology* 1996; 25: 252-258.
 110. Holford, T.R., Stack, C. Study design for epidemiologic studies with measurement error. *Statistical Methods in Medical Research* 1995; 4: 339-358.
 111. Morse, D.E., Katz, R.V., Pendry, D.G., Holford, T.R., Krutchkoff, D., Eisenberg, E., Kosis, D., Mayne, S.T. Smoking and drinking in relation to oral epithelial dysplasia. *Cancer*

112. Vaccarino, V., Krumholz, H.M., Mendes de Leon, C.F., Holford, T.R., Seeman, T.E., Horwitz, R.I., Berkman, L.F. Sex differences in survival after myocardial infarction in older adults: A community-based approach. *Journal of the American Geriatrics Society* 1996; 44: 1174-1182.
113. Zheng, T., Holford, T.R., Chen, Y., Mayne, S.T., Ward, B.A., Boyle, P. Time trend and age-period-cohort effects on incidence of thyroid cancer in Connecticut, 1935-1992. *International Journal of Cancer* 1996; 67:504-509.
114. Chen, Y., Dubrow, R., Holford, T.R., Zheng T., Barnhill, R.J., Fine, J., Berwick, M. Malignant melanoma risk factors by anatomic site: A case-control study and polychotomous logistic regression analysis. *International Journal of Cancer* 1996; 67: 636-643.
115. Beckett, W.S., Belanger, K., Gent, J.F., Holford, T.R., Leaderer, B.P. Asthma among Puerto Rican Hispanics: A multi-ethnic comparison study of risk factors. *American Journal of Respiratory and Critical Care Medicine* 154: 1996; 894-899.
116. Peduzzi, P., Concato, J., Kemper, E., Holford, T.R., Feinstein, A.R. A simulation study of the number of events per variable in logistic regression analysis. *Journal of Clinical Epidemiology* 1996; 49: 1373-1379.
117. Zheng, T., Holford, T.R., Chen, Y., Ma, J.Z., Boyle, P., Flannery, J. Time trend and age-period-cohort effect on incidence of bladder cancer in Connecticut, 1935-1992. *International Journal of Cancer* 1996; 68: 172-176.
118. Zheng, T., Holford, T.R., Chen, Y., Ma, J.Z., Flannery, J., Boyle, P. Are cancers of the salivary gland increasing? Experience from Connecticut, U.S.A. *International Journal of Epidemiology* 1997; 26: 264-271.
119. Berg, A.T., Shinnar, S., Darefsky, A.S., Holford, T.R., Shapiro, E.D., Salomon, M.E., Crain, E.F., Hauser, A.W. Predictors of recurrent febrile seizures: A prospective cohort study. *Archives of Pediatric and Adolescent Medicine* 1997; 151: 371-178.
120. Zheng, T., Holford, T., Chen, Y., Jiang, P., Zhang, B., Boyle, P. Risk of tongue cancer associated with tobacco smoking and alcohol consumption: A case-control study. *Oral Oncology* 1997; 33: 82-85.
121. Zheng, T., Holford, T.R., Chen, Y., Jones, B.A., Flannery, J., Boyle, P. Time trend of female breast carcinoma *in situ* by race and histology in Connecticut, U.S.A. *European Journal of Cancer* 1997; 33: 96-100.
122. Zheng, T., Holford, T.R., Chen, Y., Ma, Z., Liu, W.L., Flannery, J., Boyle, P. Lymphocytic leukemias in Connecticut, USA: time trends and racial differences, 1935-92. *Journal of Epidemiology and Biostatistics* 1996; 1: 219-226.
123. Salloum, E., Doria, R., Schubert, W., Zelterman, D., Holford, T., Roberts, K.B., Farber, L.R., Kiehl, R.K., Cardinale, J., Cooper, D.L. Second solid tumors in patients with Hodgkin's

- disease cured after radiation or chemotherapy plus adjuvant low-dose radiation. *Journal of Clinical Oncology* 1996; 14: 2435-43.
124. Basso D.M., Beattie M.S., Bresnahan, J.C., Anderson, D.K., Faden, A.I., Gruner, J.A., Holford, T.R., Hsu, C.Y., Noble, L.J., Nockels, R., Perot, P.L., Salzman, S.K., Young, W. MASCIS evaluation of open field locomotor scores: Effects of experience and teamwork on reliability. Multicenter Animal Spinal Cord Injury Study. *Journal of Neurotrauma* 1996; 13: 343-59.
 125. Bracken, M.B., Shepard, M.J., Holford, T.R., Leo-Summers, L., Aldrich, E.F., Fazl, M., Fehlings, M., Herr, D.L., Hitchon, P.W., Marshall, L.F., Nockels, R.P., Pascale, V., Perot, P.L., Piepmeier, J., Sonntag, V.K.H., Wagner, F., Wilberger, J.E., Winn, H.R., and Young, W. Administration of methylprednisolone for 24 or 48 hours or tirilazad mesylate for 48 hours in the treatment of acute spinal cord injury: Results of the third national acute spinal cord injury randomized controlled trial. *Journal of the American Medical Association* 1997; 277:1597-1604.
 126. Morse, D.E., Katz, R.V., Pendrys, D.G., Holford, T.R., Krutchkoff, D.J., Eisenberg, E., Kosis, D.L., Kerpel, S., Freedman, P., Mayne, S.T. Mouthwash and dentures in relation to oral epithelial dysplasia. *Oral Oncology* 1997; 33: 338-343.
 127. Chen, Y., Zheng, T., Chou, M., Boyle, P., Holford, T.R. The increase of Hodgkin's disease incidence among young adults. *Cancer* 1997; 79: 2209-2218.
 128. Riester, K.A., Peduzzi, P., Holford, T.R., Ellison R.T. 3rd, Donta, S.T. Statistical evaluation of the role of *Helicobacter pylori* in stress gastritis: Applications of splines and bootstrapping to the logistic model. *Journal of Clinical Epidemiology* 1997; 50: 1273-1279.
 129. Berg, A.T., Darefsky, A.S., Holford, T.R., Shinnar, S. Seizures with fever following unprovoked seizures: An analysis in children followed from the time of a first febrile seizure. *Epilepsia* 1998; 39: 77-80.
 130. Belanger, K., Leaderer, B., Hellenbrand, K., Holford, T.R., McSharry, J., Power, M., Bracken, M.B. Spontaneous abortion and exposure to electric blankets and heated water beds. *Epidemiology* 1998; 9: 36-42.
 131. Bracken, M.B., Shepard, M.J., Holford, T.R., Leo-Summers, L., Aldrich, E.F., Fazl, M., Fehlings, M.G., Herr, D.L., Hitchon, P.W., Marshall, L.F., Nockels, R.P., Pascale, V., Perot, P.L., Piepmeier, J., Sonntag, V.K.H., Wagner, F., Wilberger, J.E., Winn, R., Young, W. Methylprednisolone or tirilazad mesylate administration after acute spinal cord injury: 1 year follow-up. Results of the third National Acute Spinal Cord Injury randomized controlled trial. *Journal of Neurosurgery* 1998; 89: 366-706.
 132. Zhang, Z., Holford, T.R. Generalized conditionally linear models. *Journal of Statistical Computation and Simulation* 1998; 62: 105-121.
 133. Inouye, S.K., Bogardus, S.T., Charpentier, P.A., Leo-Summers, L., Acampora, D., Holford, T.R., Cooney, L.M. A Clinical trial of a multicomponent intervention to prevent delirium in hospitalized older patients. *New England Journal of Medicine* 1999; 340: 669-676.

134. Leaderer, B.P., Naeher, L., Jankun, T., Belanger, K., Holford, T.R., Toth, C., Sullivan, J., Wolfson, J.M., Koutrakis, P. Indoor, outdoor, and regional summer and winter concentrations of PM₁₀, PM_{2.5}, SO₄²⁻, H⁺, NO₂, NH₃, and nitrous acid in homes with and without kerosene space heaters. *Environmental Health Perspectives* 1999; 107: 223-231.
135. Zheng, T., Holford, T.R., Mayne, S.T., Ward, B., Carter, D., Owens, P.H., Dubrow, R., Zahm, S.H., Boyle, P., Archibeque, S., Tessari, J. DDE and DDT in breast adipose tissue and risk of female breast cancer. *American Journal of Epidemiology* 1999; 150: 453-458.
136. Zheng, T., Holford, T.R., Mayne, S.T., Owens, P.H., Ward, B., Carter, D., Dubrow, R., Zahm, S.H., Boyle, P., Tessari, J. β -benzene hexachloride (β -BHC) in breast adipose tissue and risk of breast cancer. *Cancer* 1999; 85: 2212-2218.
137. Zheng, T., Holford, T.R., Mayne, S.T., Tessari, J., Owens, P.H., Zahm, S.H., Zhang, B., Dubrow, R., Ward, B., Carter, D. and Boyle, P. Environmental exposure to hexachlorobenzene (HCB) and risk of female breast cancer in Connecticut, USA. *Cancer Epidemiology Biomarkers & Prevention* 1999; 8: 407-411.
138. Naeher, L.P., Holford, T.R., Beckett, W.S., Belanger, K., Triche, E.W., Bracken, M.B., Leaderer, B.P. Healthy women's PEF variations with ambient summer concentrations of PM₁₀, PM_{2.5}, SO₄²⁻, H⁺, and O₃. *American Journal of Respiratory and Critical Care Medicine* 1999; 160: 117-125.
139. Zheng, T., Holford, T.R., Tessari, J., Mayne, S.T., Zahm, S.H., Owens, P.H., Ward, B., Carter, D., Zhang, B., Boyle, P. Oxychlorane and Trans-Nonachlor in Breast Adipose Tissue and Risk of Female Breast Cancer. *Journal of Epidemiology and Biostatistics* 2000; 5: 153-160.
140. Bracken, M.B., Aldrich, E.F., Herr, D.L., Hitchon, P.W., Holford, T.R., Marshall, L.F., Nockels, R.P., Pascale, V., Shepard, M.J., Sonntag, K.H., Winn, H.R., Young, W. Clinical measurement, statistical analysis, and risk-benefit: Controversies from Trials of Spinal Injury. *Journal of Trauma- Injury, Infection, and Critical Care* 2000; 48: 558-561.
141. Zheng, T., Holford, T.R., Mayne, S.T., Owens, P.H., Zhang, B., Boyle, P., Carter, D., Ward, B., Zahm, S.H. Exposure to electromagnetic fields from use of electric blankets and other in-home electrical appliances and breast cancer risk. *American Journal of Epidemiology* 2000; 151: 1103-1111.
142. Zheng, T., Holford, T.R., Tessari, J., Mayne, S.T., Owens, P.H., Ward, B., Carter, D., Boyle, P., Dubrow, R., Archibeque-Engle, S., Zahm, S.H. Breast cancer risk associated with congeners of polychlorinated biphenyls. *American Journal of Epidemiology* 2000; 152: 50-58.
143. Zheng, T., Holford, T., Mayne, S.T., Tessari, J., Ward, B., Carter, D., Owens, P.H., Boyle, P., Dubrow, R., Archibeque-Engle, S., Dawood, O., Zahm, S.H. Risk of female breast cancer associated with serum polychlorinated biphenyls and 1,1-dichloro-2,2'-bis(p-chlorophenyl)ethylene. *Cancer Epidemiology Biomarkers & Prevention* 2000; 9: 167-174.
144. Vaccarino, V., Holford, T.R., Krumholz, H.M. Pulse pressure and risk for myocardial

- infarction and heart failure in the elderly. *Journal of the American College of Cardiology* 2000; 36: 130-138.
145. Avants, S.K., Margolin, A., Holford, T.R., Kosten, T.R. A randomized controlled trial of auricular acupuncture for cocaine dependence. *Archives of Internal Medicine* 2000; 160: 2305-2312.
 146. Holford, T.R., Zheng, T., Mayne, S.T., Zahm, S.H., Tessari, J.D., Boyle, P. Joint effects of nine PCB congeners on breast cancer risk. *International Journal of Epidemiology* 2000; 29: 975-982.
 147. Morse, D.E., Pendrys, D.G., Katz, R.V., Holford, T.R., Krutchkoff, D.J., Eisenberg, E., Kosis, D.L., Kerpel, S., Freedman, P., Mayne, S.T. Food group intake and the risk of oral epithelial dysplasia in a United States population. *Cancer Causes and Control* 2000; 11: 713-720.
 148. Neely, A.L., Holford, T.R., Loe, H., Anerud, A. Boysen, H. The natural history of periodontal disease in man: Risk factors for progression of attachment loss in subjects receiving no oral health care. *Journal of Periodontology* 2001; 72: 1006-1015.
 149. Gill, T.M., Desai, M.M., Gahbauer, E.A., Holford, T.R., Williams, C.S. Restricted activity among community-living older persons: Incidence, precipitants and health care utilization. *Annals of Internal Medicine* 2001; 135: 313-321.
 150. Zheng, T., Holford, T.R., Mayne, S.T., Owens, P.H., Zhang, Y., Zhang, B., Boyle, P., Zahm, S.H. Lactation and breast cancer risk: a case-control study in Connecticut. *British Journal of Cancer* 2001; 84:1472-1476.
 151. Laden, F., Collman, G., Iwamoto, K., Alberg, A.J., Berkowitz, G.S., Freudenheim, J.L., Hankinson, S.E., Helzlsouer, K.J., Holford, T.R., Huang, H.Y., Moysich, K.B., Tessari, J.D., Wolff, M.S., Zheng, T., Hunter DJ. 1,1-Dichloro-2,2-bis(p-chlorophenyl)ethylene and polychlorinated biphenyls and breast cancer: combined analysis of five U.S. studies. *Journal of the National Cancer Institute* 2001; 93:768-776.
 152. Margolin, A., Avants, S.K., Holford, T.R. Interpreting conflicting findings from clinical trials of auricular acupuncture for cocaine addiction. Does treatment context influence outcome? *The Journal of Alternative and Complementary Medicine* 2002; 8: 111-121.
 153. Zheng, T., Holford, T.R., Mayne, S.T., Luo, J., Owens, P.H., Zhang, B., Zhang, W., Zhang, Y. Radiation exposure from diagnostic and therapeutic treatments and risk of breast cancer. *European Journal of Cancer Prevention* 2002; 11: 1-7.
 154. Zheng, T., Holford, T.R., Mayne, S.T., Luo, J., Owens, P.H., Zahm, S.H., Zhang, B., Zhang, Y., Zhang, W., Jiang, Y., Boyle, P. A case-control study of occupation and breast cancer risk in Connecticut. *Journal of Cancer Epidemiology and Prevention* 2002; 7: 3-11.
 155. Bracken, M.B., Holford, T.R. Neurological and functional status one year after acute spinal cord injury: estimates of functional recovery in NASCIS 2 from results modeled in NASCIS 3. *Journal of Neurosurgery* 2002; 96 (3 Suppl.): 259-266.

156. Zheng, T., Holford, T.R., Zahm, S.H., Owens, P.H., Boyle, P., Zhang, Y., Wise, J.P., Stephenson, L.P., Ali-Osman, F. Cigarette smoking, glutathione-S-transferase M1 and T1 genetic polymorphisms, and breast cancer risk (United States). *Cancer Causes and Control* 2002; 13: 637-645.
157. Leaderer, B.P., Belanger, K., Triche, E., Holford, T., Gold, D.R., Kim, Y., Jankun, T., Ren, P., McSharry, J., Platts-Mills, T.A.E., Chapman, M.D., Bracken, M.B. Dust mite, cockroach, cat, and dog allergen concentrations in homes of asthmatic children in the northeastern United States: Impact of socioeconomic factors and population density. *Environmental Health Perspectives* 2002; 110: 419-425.
158. Zheng, T., Holford, T.R., Mayne, S.T., Owens, P.H., Boyle, P., Zhang, B., Zhang, Y.W., Zahm, S.H. Use of hair colouring products and breast cancer risk: a case-control study in Connecticut. *European Journal of Cancer* 2002; 38: 1647-1652.
159. Bernstein, J.L., Lapinski, R., Lynch, C., Holford, T., Thompson, W.D. Factors influencing mortality among young women with second primary breast carcinoma. *Cancer* 2002; 95: 2051-2058.
160. Triche, E.W., Belanger, K., Beckett, W., Bracken, M.B., Holford, T.R., Gent, J., Jankun, T., McSharry J., Leaderer. B.P. Respiratory symptoms in infants associated with indoor heating sources. *American Journal of Respiratory and Critical Care Medicine* 2002; 166: 105-111.
161. Gent, J.F., Ren, P., Belanger, K., Triche, E., Bracken, M.B., Holford, T.R., Leaderer, B.P. Levels of household mold associated with respiratory symptoms in the first year of life in a cohort at risk for asthma. *Environmental Health Perspectives* 2002; 110:A781-A786.
162. Belanger, K., Beckett, W., Triche, E., Bracken, M.B., Holford, T., Ren, P., McSharry, J., Gold, D.R., Platts-Mills, T.A.E., Leaderer, B.P. Symptoms of Wheeze and Persistent Cough in the First Year of Life: Associations with Indoor Allergens, Air Contaminants, and Maternal History of Asthma. *American Journal of Epidemiology* 2003; 158: 195-202.
163. Zheng, T., Holford, T.R., Zahm, S.H., Owens, P.H., Boyle, P., Zhang, Y., Zhang, B., Wise, J.P., Stephenson, L.P. Glutathione S-transferase M1 and T1 genetic polymorphisms, alcohol consumption and breast cancer risk. *British Journal of Cancer* 2003; 88: 58-62.
164. Brownstein, J.S., Holford, T.R., Fish, D. A Climate-based Model Predicts the Spatial Distribution of the Lyme Disease Vector *Ixodes scapularis* in the United States. *Environmental Health Perspectives* 2003; 111: 1152-1157.
165. Goodstine, S.L., Zheng, T., Holford, T.R., Ward, B.A., Carter, D., Owens, P.H., Mayne, S.T. Dietary (n-3)/(n-6) fatty acid ratio: Possible relationship to premenopausal but not postmenopausal breast cancer risk in U.S. women. *The Journal of Nutrition* 2003; 133: 1409-1414.
166. Morton, L.M., Holford, T.R., Leaderer, B., Zhang, Y., Zahm, S.H., Boyle, P., Flynn, S., Tallini, G., Owens, P.H., Zhang, B., Zheng, T. Alcohol use and the risk of non-Hodgkin's lymphoma among Connecticut women (United States). *Cancer Causes and Control* 14: 687-694, 2003.

167. Gent, J.F., Triche, E.W., Holford, T.R., Belanger, K., Bracken, M.B., Beckett, W.S., Leaderer, B.P. Association of low level ozone and fine particles with respiratory symptoms in children with asthma. *Journal of the American Medical Association* 290:1859-67, 2003.
168. Zhang, Y., Holford, T.R., Leaderer, B., Boyle, P., Zahm, S.H., Flynn, S., Tallini, G., Owens, P.H., Zheng, T. Hair coloring product use and risk of non-Hodgkin's lymphoma: a population-based case-control study in Connecticut. *American Journal of Epidemiology* 159: 148-154, 2004.
169. Morton LM, Holford T, Leaderer B, Boyle P, Zahm SH, Zhang Y, Flynn F, Tallini G, Zhang B, Owens PH, Zheng T. Cigarette smoking and risk of non-Hodgkin's lymphoma subtypes among women. *British Journal of Cancer* 89:2087-2092, 2003.
170. Zheng T, Holford T, Leaderer B, Zhang Y, Boyle P, Zahm SH, Flynn S, Tallini G, Bing Zhang, Kaiyong Zhou, Owens PH, Rothman R, Lan Q, Boyle, P. Diet and nutrient intakes and risk of non-Hodgkin lymphoma in Connecticut women. *American Journal of Epidemiology* 159: 454-466, 2004.
171. Morton, L.M., Engels, E.A., Holford, T.R., Leaderer, B., Zhang, Y., Zahm, S.H., Boyle, P., Zhang, B., Flynn, S., Tallini, G., Owens, P.H., Zheng, T. Hepatitis C virus and risk of non-Hodgkin lymphoma: a population-based case-control study among Connecticut women. *Cancer Epidemiology, Biomarkers and Prevention* 13: 425-430, 2004.
172. Claus, E.B., Stowe, M., Carter, C., Holford, T. The risk of a contralateral breast cancer among women diagnosed with ductal and lobular breast carcinoma in situ: data from the Connecticut Tumor Registry. *Breast* 12: 451-456, 2003.
173. Hardy, J.R., Holford, T.R., Hall, G.C., Bracken, M.B. Strategies for identifying pregnancies in the automated medical records of the General Practice Research Database. *Pharmacoepidemiology and Drug Safety* 13: 749-759, 2004.
174. Gehring, U., Triche, E., van Strien, R.T., Belanger, K., Holford, T.R., Gold, D.R., Jankun, T., Ren, P., McSharry, J., Beckett, W.S., Platts-Mills, T.A.E., Chapman, M.D., Bracken, M.B., Leaderer, B.P. Prediction of residential pet and cockroach allergen levels using questionnaire information. *Environmental Health Perspectives* 112: 834-839, 2004.
175. Zhang, Y., Holford, T.R., Leaderer, B., Boyle, P., Zahm, S.H., Owens, P.H., Morton, L.M., Zhang, B., Zou, K., Flynn, S., Tallini, G., Zheng, T. Blood Transfusion and Risk of Non-Hodgkin's Lymphoma in Connecticut women. *American Journal of Epidemiology* 160: 325-330, 2004
176. Gill, T.M., Allore, H., Holford, T.R., Zhenchao, G. The development of insidious disability in activities of daily living among community-living older persons. *The American Journal of Medicine* 117: 484-491, 2004.
177. Gill, T.M., Allore, H., Hardy, S.E., Holford, T.R., Han, L. Estimates of active and disabled life expectancy based on different assessment intervals. *Journals of Gerontology Series*

A—Biological Sciences and Medical Sciences 60: 1013-1016, 2005.

178. Brownstein, J.S., Holford, T.R., Fish, D. Enhancing West Nile virus surveillance, United States. *Emerging Infectious Disease* 10: 1129-1133, 2004.
179. Triche, E.W., Belanger, K., Bracken, M.B., Beckett, W.S., Holford, T.R., Gent, J.F., McSharry, J., Leaderer, B.P. Indoor heating sources and respiratory symptoms in nonsmoking women. *Epidemiology* 16: 377-384, 2005.
180. Zhang, Y., Wise, J.P., Holford, T.R., Xie, H., Boyle, P., Zahm, S.H., Rusiecki, J., Zou, K., Zhang, B., Zhu, Y., Owens, P.H., Zheng, T. Serum Polychlorinated Biphenyls, Cytochrome P4501A1 Polymorphisms, and Risk of Breast Cancer in Connecticut Women. *American Journal of Epidemiology* 160: 1177-1183, 2004.
181. Rusiecki, J.A., Holford, T.R., Zahm, S.H., Zheng, T. Polychlorinated biphenyls and breast cancer risk by combined estrogen and progesterone receptor status. *European Journal of Epidemiology* 19: 793-801, 2004.
182. Zhang, Y., Holford, T.R., Leaderer, B., Boyle, P., Zahm, S.H., Zhang, B., Zou, K., Morton, L.M., Owens, P.H., Flynn, S., Tallini, G., Zheng, T. Menstrual and reproductive factors and risk of non-Hodgkin's lymphoma among Connecticut women. *American Journal of Epidemiology* 160: 766-773, 2004.
183. Zhang, Y., Holford, T.R., Leaderer, B., Zahm, S.H., Boyle, P., Morton, L.M., Zhang, B., Zou, K., Flynn, S., Tallini, B., Owens, P.H., Zheng, T. Prior medical conditions and medication use and risk of non-Hodgkin lymphoma in Connecticut United States women. *Cancer Causes and Control* 15: 419-428, 2004.
184. Brownstein, J.S., Holford, T.R., Fish, D. Impact of climate change on Lyme disease risk in North America. *EcoHealth* 2:38-46, 2005
185. Morton, L.M., Hartge, P., Holford, T.R., Holly, E.A., Chiu, B.C.H., Vineis, P., Stagnaro, E., Willett, E.V., Franceschi, S., La Vecchia, C., Hughes, A.M., Cozen, W., Davis, S., Severson, R.K., Bernstein, L., Mayne, S.T., Dee, F.R., Cerhan, J.R., Zheng, T. Cigarette smoking and risk of non-Hodgkin lymphoma: A pooled analysis from the International Lymphoma Epidemiology Consortium (InterLymph). *Cancer Epidemiology, Biomarkers and Prevention* 14: 925-933, 2005.
186. Gill, T.M., Allore, H.G., Holford, T.R., Guo, Z. Hospitalization, restricted activity, and the development of disability among older persons. *Journal of the American Medical Association* 292: 2115-2124, 2004.
187. Hardy, S.E., Dubin, J.A., Holford, T.R., Gill, T.M. Transitions between states of disability and independence among older persons. *American Journal of Epidemiology* 161: 575-584, 2005.
188. Leslie, D.L., Zhang, Y., Bogardus, S.T., Holford, T.R., Leo-Summers, L.S., Inouye, S.K. Consequences of preventing delirium in hospitalized older adults on nursing home costs. *Journal of the American Geriatrics Society* 53: 405-409, 2005.

189. Holford, T.R. Approaches to fitting age-period-cohort models with unequal intervals. *Statistics in Medicine* 25: 997-993, 2006.
190. Heffernan, R.T., Barrett, N.L., Gallagher, K.M., Hadler, J.L., Harrison, L.H., Reingold, A.L., Khoshnood, K., Holford, T.R., Schuchat, A. Declining incidence of invasive *Streptococcus pneumoniae* infections among persons living with AIDS in an era of highly active antiretroviral therapy, 1995-2000. *Journal of Infectious Diseases* 161: 2038-2045, 2005.
191. Morton, L.M., Zheng, T., Holford, T.R., Holly, E.A., Chiu, B.C.U., Costantini, A.S., Stagnaro, E., Willett, E.V., Maso, L.D., Serraino, D., Chang, E.T., Cozen, W., Davis, S., Severson, R.K., Bernstein, L., Mayne, S.T., Dee, F.R., Cerhan, J.R., Hartge, P. Alcohol consumption and risk of non-Hodgkin lymphoma: a pooled analysis. *The Lancet Oncology* 6: 469-476.
192. Zhu, Y., Brown, H.N., Zhang, Y., Holford, T.R., Zheng, T. Genotypes and haplotypes of the methyl-CpG-binding domain 2 modify breast cancer risk dependent upon menopausal status. *Breast Cancer Research* 7: R745-R752, 2005.
193. Holford, T.R., Rúaño, G., Windemuth, A. Personalizing public health. *Personalized Medicine* 2: 239-249, 2005.
194. Leslie, D.L., Zhang, Y., Holford, T.R., Bogardus, S.T., Leo-Summers, L.S., Inouye, S.K. Premature death associated with delirium at 1-year follow-up. *Archives of Internal Medicine* 165: 1657-1662, 2005.
195. Neely, A.L., Holford, T.R., Løe, H., Ånerun, Å. Boysen, H. The natural history of periodontal disease in humans: risk factors for tooth loss in caries-free subjects receiving no oral health care. *Journal of Clinical Periodontology* 32: 984-993, 2005.
196. Rusiecki, J.A., Holford, T.R., Zahm, S.H., Zheng, T. Breast cancer risk factors according to joint estrogen receptor and progesterone receptor. *Cancer Detection and Prevention* 29: 419-426, 2005.
197. Kwon, H.L., Belanger, K., Holford, T.R., Bracken, M.B. Effect of fetal sex on airway lability in pregnant asthmatics. *American Journal of Epidemiology* 163: 217-221, 2006.
198. Brownstein, J.S., Skelly, D.K., Holford, T.R., Fish, D. Forest fragmentation predicts local scale heterogeneity of Lyme disease. *Oecologia* 146: 469-475, 2005.
199. Zhang, Y., Lan, Q., Rothman, N., Zhu, Y., Zham, S.H., Wang, S.S., Holford, T.R., Leaderer, B., Boyle, P., Zhang, B., Zou, K., Chanock, S., Zheng, T. A putative exonic splicing polymorphism in the BCL6 gene and the risk of non-Hodgkin lymphoma. *Journal of the National Cancer Institute* 97: 1616-1618, 2005.
200. Rúaño, G., Thompson, P.D., Windemuth, A., Smith, A., Kocherla, M., Holford, T.R., Seip, R., Wu, A.H.B. Physiogenomic analysis links serum creatine kinase activities during statin therapy to vascular smooth muscle homeostasis. *Pharmacogenomics* 6: 865-872,

- 2005.
201. Rúaño, G., Thompson, P.D., Windemuth, A., Smith, A., Kocherla, M., Holford, T.R., Seip, R., Wu, A.H.B. Physiogenomic analysis links serum creatine kinase activities during statin therapy to vascular smooth muscle homeostasis. *Pharmacogenomics* 6: 865-872, 2005.
 202. Holford, T.R., Windemuth, A., Rúaño, G. Designing physiogenomic studies (Research Letter). *Future Medicine* 7: 157-158, 2006.
 203. Rothman, N., Skibola, C.F., Wang, S.S., Morgan, G., Lan, Q., Smith, M.T., Spinelli, J.J., Willett, E., De Sanjose, S., Cocco, P., Berndt, S.I., Brennan, P., Brooks-Wilson, A., Wacholder, S., Becker, N., Hartge, P., Zheng, T., Roman, E., Holly, E.A., Boffetta, P., Armstrong, B., Cozen, W., Linet, M., Bosch, F.X., Ennas, M.G., Holford, T.R., Gallagher, R.P., Rollinson, S., Bracci, P.M., Cerhan, J.R., Whitby, D., Moore, P.S., Leaderer, B., Lai, A., Spink, C., Davis, S., Bosch, R., Scarpa, A., Zhang, Y., Severson, R.K., Yeager-Jeffery, M., Chanock, S., Nieters, A.. Genetic variation in TNF and IL10 and risk of non-Hodgkin lymphoma: a report from the InterLymph Consortium. *The Lancet Oncology*, 7: 27-38, 2006.
 204. Grosso, L.M., Triche, E.W., Belanger, K., Benowitz, N.L., Holford, T.R., Bracken, M.B.. Caffeine metabolites in umbilical cord blood, cytochrome P450 1A2 activity and intrauterine growth restriction. *American Journal of Epidemiology* 163:1035-1041, 2006.
 205. Rúaño, G., Windemuth, A., Kocherla, M., Holford, T., Fernandez, M.L., Forsythe, C.E., Wood, R.J., Kraemer W.J., Volek, J.S. Physiogenomic analysis of weight loss induced by dietary carbohydrate restriction. *Nutrition & Metabolism* 3:20, 2006.
 206. Pettigrew, M.M, Gent, J.F., Zhu, Y., Triche, E.W., Belanger, K.D., Holford, T.R., Bracken, M.B., Leaderer, B.P. Association of Surfactant protein A polymorphisms with otitis media in infants at risk for asthma. *BMC Medical Genetics* 7:68, 2006.
 207. Hardy, J.R., Leaderer, B.P., Holford, T.R., Hall, G.C., Bracken, M.B. Safety of medications prescribed before and during early pregnancy in a cohort of 81,975 mothers from the UK General Practice Research Database. *Pharmacoepidemiology and Drug Safety* 15: 555-564, 2006.
 208. Triche EW, Gent JF, Holford TR, Belanger K, Bracken MB, Beckett WS, McSharry J-E, Leaderer BP. Low level ozone exposure and respiratory symptoms in infants. *Environmental Health Perspectives* 114: 911-916, 2006.
 209. Zhang, Y., Wang, R., Holford, T.R., Leaderer, B., Zahm, S.H., Boyle, P., Zhu, Y., Qin, Q., Zheng, T. Family History of Hematopoietic and Non-Hematopoietic Malignancies and Risk of Non-Hodgkin Lymphoma. *Cancer Causes and Control* 18: 351-359, 2007.
 210. Zhang, Y., Holford, T.R., Leaderer, B., Zahm, S.H., Boyle, P., Zhu, Y., Wang, R., Zou, K., Zhang, B., Flynn, S., Han, J., Zheng, T. Ultraviolet Radiation Exposure and Risk of Non-Hodgkin Lymphoma. *American Journal of Epidemiology* 165:1255-1264, 2007.

211. Pettigrew, M.M, Gent, J.F., Zhu, Y., Triche, E.W., Belanger, K.D., Holford, T.R., Bracken, M.B., Leaderer, B.P. Respiratory symptoms among infants at risk for asthma: association with surfactant protein A haplotypes. *BMC Medical Genetics* 8:15, 2007.
212. Dailey, A.B., Kasl, K.V., Holford, T.R., Jones, B.A. Perceived racial discrimination and nonadherence to screening mammography guidelines: Results from the Race Differences in the Screening Mammography Process Study. *American Journal of Epidemiology* 165:1287-1295, 2007.
213. Koutros, S., Holford, T.R., Hahn, T., Lantos, P.M., McCarthy, P.L., Jr., Risch, H.A., Swede, H. Excess diagnosis of non-Hodgkin's lymphoma during spring in the USA. *Leukemia and Lymphoma* 48: 357-366, 2007.

Case Reports, Technical Notes, Letters

1. Wickramaratne, P.J., and Holford, T.R. Confounders: Correcting superstitions (Letter). *Biometrics* 1990; 46: 870-872.
2. Bracken, M.B., Shepard, M.J., Collins, W.F., Holford, T.R., *et al.* Response to a letter on the second National Acute Spinal Cord Injury Study (NASCIS 2). *Journal of Neurosurgery* 1992; 77: 325-327.
3. Peduzzi, P., Concato, J., Kemper, E., Holford, T., Feinstein, A. A simulation study of the number of events per variable in logistic regression analysis. *Proceeding of the Biometrics Section, American Statistical Association.* 1995; pp. 207-212.
4. Holford, T.R., Zheng, T., Mayne, S.T. Letter, Re: Cigarette Smoking and Changes in the Histopathology of Lung Cancer. *Journal of the National Cancer Institute* 1998; 90: 783-784.

Editorials, Reviews, Chapters, Books

1. Holford, T.R. Strategies for the analysis of case-referent and cohort studies. In *Perinatal Epidemiology*, M.B. Bracken, ed. Oxford University Press, New York, 1984.
2. Roush, G.D., Holford, T.R., Schymura, M.J. and White, C. *Cancer Risk and Incidence Trends: The Connecticut Perspective.* New York: Hemisphere Publishing Corp., 1987.
3. Holford TR. Analysing the temporal effects of age, period and cohort. *Statistical Methods in Medical Research.* 1992;1:317-37.
4. Holford T. Longitudinal studies. *Statistical Methods in Medical Research.* 1992;1:223-224.
5. Holford T. Statistical genetics. *Statistical Methods in Medical Research.* 1993;2:197.
6. Bracken, M.B., and Holford, T.R. Research uses of the international standards for neurological and functional classification of spinal cord injury. *International Medical Society of Paraplegia*, 1994.
7. Holford TR. Epidemiologists seek to discover and understand the determinants of disease that

- afflict people. *Statistical Methods in Medical Research*. 1995;4:271-2.
8. Holford TR. The method of least squares or the linear model. *Statistical Methods in Medical Research*. 1995;4:185-6.
 9. Holford T. Bayesian methods in biostatistics. *Statistical Methods in Medical Research*. 1996;4:337-338.
 10. Holford TR. Statistical issues in risk assessment. *Statistical Methods in Medical Research*. 1997;6:303-4.
 11. Holford, T.R. Book Review of Log-linear models for event Histories, J.K. Vermunt. *Journal of the American Statistical Association* 1998; 93: 1242.
 12. Holford, T.R. Age-period-cohort analysis. In *Encyclopedia of Biostatistics*, P. Armitage and T. Colton, eds. John Wiley & Sons, Chichester, pp. 82-99, 1998.
 13. Holford, T.R., and White, C. Bliss, Chester Ittner. In *Encyclopedia of Biostatistics*, P. Armitage and T. Colton, eds. John Wiley & Sons, Chichester, pp. 417-418, 1998.
 14. Holford T. Assessing the accuracy of diagnostic tests. *Statistical Methods in Medical Research*. 1998;7:323.
 15. Holford TR. Intervention trials. *Statistical Methods in Medical Research*. 1999;8:279-80.
 16. Holford T. Statistical methods in genetic epidemiology - I. *Statistical Methods in Medical Research*. 2000;9:525.
 17. Holford T. Statistical methods in genetic epidemiology - II. *Statistical Methods in Medical Research*. 2001;10:1.
 18. Holford, T.R. *Multivariate Methods in Epidemiology*. Oxford University Press, New York, 2002.
 19. Holford T. Exact methods for categorical data. *Statistical Methods in Medical Research*. 2003;12:1.
 20. Holford, T.R. Age-period-cohort analysis. B.S. Everitt and C.R. Palmer eds. *Encyclopaedic Companion to Medical Statistics*. Hodder Arnold, London, pp. 5-6, 2005.
 21. Holford, T.R. Attributable risk. B.S. Everitt and C.R. Palmer eds. *Encyclopaedic Companion to Medical Statistics*. Hodder Arnold, London, pp. 15-16, 2005.
 22. Holford, T.R. Bias in observational studies. B.S. Everitt and C.R. Palmer eds. *Encyclopaedic Companion to Medical Statistics*. Hodder Arnold, London, pp. 31-33, 2005.
 23. Holford, T.R. Cohort studies. B.S. Everitt and C.R. Palmer eds. *Encyclopaedic Companion to Medical Statistics*. Hodder Arnold, London, pp. 64-65, 2005.

24. Holford, T.R. Cross-sectional studies. B.S. Everitt and C.R. Palmer eds. *Encyclopaedic Companion to Medical Statistics*. Hodder Arnold, London, pp. 91-92, 2005.
25. Holford, T.R. Temporal factors in public health surveillance: Sorting out age, period and cohort effects. *Monitoring the Health of Populations: Statistical Methods and Principles for Public Health Surveillance*. Ron Brookmeyer and Donna Stroup, eds. Oxford University Press, Oxford, pp. 99-126, 2004.
26. Holford, T.R. Book Review of *Environmental Statistics: Methods and Applications*, by V. Barnett. *Statistics in Medicine* 24: 2429-2430, 2004.
27. Holford, T.R., Windemuth, A., Rúaño, G. Designing physiogenomic studies (Research Letter). *Future Medicine* 7: 157-158, 2006.

Papers in press

1. Lan, Q., Zheng, T., Rothman N., Zhang, Y., Wang, S., Shen, M., Berndt, S., Zahm, S.H., Holford, T.R., Leaderer, B., Yeager, M., Welch, R., Boyle, P., Zhang, B., Zou, K., Zhu, Y., Chanock, S. Cytokine polymorphisms in the Th1/Th2 pathway and susceptibility to non-Hodgkin lymphoma. To appear in *Blood*.
2. Shen, M., Zheng, T., Lan, Q., Zhang, Y., Zahm, S. H., Wang, S.S., Holford, T.R., Leaderer, B., Yeager, M., Welch, R., Kang, D., Boyle, P., Zhang, B., Zou, K., Zhu, Y., Chanock, S., Rothman, N. Polymorphisms in DNA repair genes and risk of non-Hodgkin lymphoma among women in Connecticut. To appear in *Human Genetics*.
3. Rúaño, G., Thompson, P.D., Windemuth, A., Seip, R.L., Dande, A., Sorokin, A., Kocherla, M., Smith, A., Holford, T.R., Wu, A.H.B. Physiogenomic Association of Statin-Related Myalgia to Serotonin Receptors. To appear in *Muscle and Nerve*.
4. Zhu, Y., Stevens, R.G., Leaderer, D., Hoffman, A., Holford, T., Zhang, Y., Brown, H.N., Zheng, T. Non-synonymous polymorphisms in the circadian gene NPAS2 4 and breast cancer risk. To appear in *Journal of the National Cancer Institute*.