

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
- 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,
7/03-6/11 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

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
2/14	Elected member of Connecticut Academy of Science and Engineering

Other awards or honors

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

May, 1973. Life tables with concomitant information. 1973 Spring Regional Meetings of the Biometric Society, Ithaca College, Ithaca, New York.

May 10-13, 1976. Workshop on mathematical models in schistosomiasis. Bellagio, Italy.

April, 1977. Multivariate methods for matched case-control studies. 1977 Spring Regional Meeting of the Biometric Society (ENAR), University of North Carolina, Chapel Hill, North Carolina.

August, 1977. Log-linear representation for matched case-control studies. Annual Meeting, American Statistical Association, Chicago, Illinois.

August, 1978. Log-linear models with adjustment for follow-up time. Annual Meeting, American Statistical Association, San Diego, California.

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.

August, 1980. Survival from colorectal cancer in Connecticut, 1960-1976. Annual Meeting, American Statistical Association, Houston, Texas.

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.

March, 1989. Estimating the distribution of trends in Helper T lymphocytes following HIV infection. Spring Meeting, The Biometric Society, Eastern North American Region, Lexington, Kentucky.

Summer, 1989. Graduate Summer Session in Epidemiology at the University of Michigan.

August, 1990. An empirical evaluation of the properties of the standardized proportional mortality ratio. International Epidemiological Association, Los Angeles, California.

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

August, 1994. A population model for the effect of smoking on lung cancer incidence. International Biometric Conference, Hamilton, Ontario.

September, 1998. Modeling the effect of cigarette smoking on population incidence rates. Symposium on Epidemic Modelling, Australian National University, Canberra, Australia.

June, 2000. Analysis of disease trends in time and space. Spotlight Session, Society for Epidemiologic Research. Seattle, Washington.

June, 2000. Joint Effects of Nine PCB Congeners on Breast Cancer Risk. Poster Session, Society for Epidemiologic Research. Seattle, 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.

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.
- March, 2009. A Population Model for the Effect of Cigarette Smoking on Lung Cancer. Invited presentation, Modeling Risk Prediction. Banff International Research Statistics, Banff, Alberta.
- March, 2011. Estimation of air pollution dispersion from nonpoint sources. Spring Meeting, The Biometric Society, Eastern North American Region, Miami, Florida.
- December, 2012. Spatial Models for Air Pollution and Health. University of Miami Spatial Statistics Conference, Miami, Florida.
- January, 2013. Smoking History Generator. Tobacco Policy Modeling Workshop. Bethesda, Maryland.
- April, 2013. Spatial Models for Traffic Related Air Pollution. New England Statistical Symposium, University of Connecticut, Storrs, Connecticut.
- October, 2013. Modeling Past and Future Smoking Patterns in the US. Invited presentation, American Association for Cancer Research. National Harbor, Maryland.
- December, 2013. Estimation of Parameters of Tobacco Use Behaviors. Invited presentation, Modeling and Statistical Methods for the Regulatory Assessment of Tobacco Products: A Public Workshop. Food and Drug Administration (FDA), Rockville, Maryland.

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* 231: 583-608, 1975.
2. Holford, T.R. Life tables with concomitant information. *Biometrics* 32: 587-597, 1976.
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* 29: 445-458, 1976.
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* 107: 236-244, 1978.
5. Holford, T.R., White, C. and Kelsey, J.L. Multivariate analysis for matched case-control studies. *American Journal of Epidemiology* 107: 245-256, 1978.
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* 32: 102-107, 1978.
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* 299: 381-385, 1978.
8. Walter, S.D. and Holford, T.R. Additive, multiplicative, and other models for disease risks. *American Journal of Epidemiology* 108: 341-346, 1978.
9. Holford, T.R. The analysis of pair-matched case-control studies, a multivariate approach. *Biometrics* 34: 665-672, 1978.

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* 9: 106-114, 1979.
11. Bracken, M.B. and Holford, T.R. Induced abortion and congenital malformations in offspring of subsequent pregnancies. *American Journal of Epidemiology* 109: 425-432, 1979.
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* 7: 309-317, 1978.
13. Leaderer, B.P., Holford, Stolwijk, J.A. Relationship between sulfate aerosol and visibility. *Journal of the Air Pollution Control Association* 29: 154-157, 1979.
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* 44: 1778-1781, 1979.
15. Freeman, D.H. and Holford, T.R. Summary rates. *Biometrics* 36: 195-205, 1980.
16. Holford, T.R. The analysis of rates and of survivorship using log-linear models. *Biometrics* 36: 299-305, 1980.
17. Peduzzi, P.N., Hardy, R.J. and Holford, T.R. A stepwise variable selection procedure for non-linear regression models. *Biometrics* 36: 511-516, 1980.
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* 47: 265-270, 1981.
19. Bracken, M.B. and Holford, T.R. Exposure to prescribed drugs in pregnancy and association with congenital malformations. *Obstetrics and Gynecology* 58: 336-344, 1981.
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* 114: 398-405, 1981.
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* 67: 327-333, 1981.
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* 115: 231-242, 1982.

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* 49: 1937-1940, 1982.
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* 116: 141-148, 1982.
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* 16: 2075-2087, 1982.
26. Holford, T.R. Covariance analysis for case-control studies with small blocks. *Biometrics* 38: 673-683, 1982.
27. Holford, T.R. The estimation of age, period and cohort effects for vital rates. *Biometrics* 39: 311-324, 1983.
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* 116: 333-342, 1982.
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* 7: 239-250, 1982.
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* 28: 581-588, 1983.
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* 308: 805-808, 1983.
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* 120: 87-96, 1984.
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* 70: 1027-1031, 1983.

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* 71: 5-9, 1983.
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* 66-A: 907-914, 1984.
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* 2: 61-66, 1984.
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* 9: 608-613, 1984.
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* 34: 443-449, 1984.
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* 82: 19-29, 1984.
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* 121: 238-245, 1985.
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* 121: 440-447, 1985.
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* 10: 117-126, 1985.
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* 74: 779-788, 1985.

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* 75: 679-682, 1985.
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* 75: 43-50, 1985.
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* 66: 24-26, 1985.
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* 12: 525-531, 1985.
48. Holford, T.R. An alternative approach to statistical age-period-cohort analysis. *Journal of Chronic Diseases* 38: 831-836, 1985.
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* 123: 604-613, 1986.
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* 3: 84-91, 1986.
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* 12: 593-601, 1986.
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 intensinsve conventional therapy in diabetic pregnancies. *Journal of the American Medical Association* 255: 631-636, 1986.
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* 5: 707-710, 1986.
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* 69: 636-639, 1987

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* 156: 132-134, 1987.
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* 60: 422-428, 1987.
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* 70: 696-700, 1987.
58. Wickramaratne, P.J., and Holford, T.R. Confounding in epidemiologic studies: The adequacy of the control group as a measure of confounding. *Biometrics* 43: 751-765, 1987.
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* 40: 761-767, 1987.
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* 14: 177-188, 1988.
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* 60: 2586-2595, 1988.
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* 159: 56-66, 1989.
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* 42: 333-343, 1989.
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* 42: 427-434, 1989.
65. Holford, T.R., Bracken, M.B., and Eskenazi, B. Log-linear models for the analysis of matched cohort studies. *American Journal of Epidemiology* 130: 1247-1253, 1989.

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* 53: 21-27, 1990.
67. Wickramaratne, P.J., and Holford, T.R. Confounding in epidemiologic studies, Response to Reader Reactions. *Biometrics* 45: 1319-1322, 1989.
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* 7: 18-22, 1990.
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* 45: 160-164, 1990.
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* 322: 1405-1411, 1990.
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* 101: 481-487, 1991.
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* 44: 29-39, 1991.
73. Holford, T.R. Understanding the effects of age, period and cohort on incidence and mortality rates. *Annual Reviews of Public Health* 12: 425-457, 1991.
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* 10: 439-443, 1991.
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* 10: 445-450, 1991.
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* 50:14-18, 1992.

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* 76: 23-31, 1992.
78. Holford, T.R., and Bracken, M.B. A model for estimating level and net severity of spinal cord injuries. *Statistics in Medicine* 11: 1171-1186, 1992.
79. Roush, G.C., McKay, L., and Holford, T.R. A reversal in the long-term increase in deaths attributable to malignant melanoma. *Cancer* 69: 1714-1720, 1992
80. Zheng, T., Mayne, S.T., Boyle, P., Holford, T.R., and Flannery, J. Epidemiology of Non-Hodgkin Lymphoma in Connecticut: 1935-1988. *Cancer* 70: 840-849, 1992.
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)* 52: 5443s-5446s, 1992.
82. Holford, T.R. Analyzing the temporal effects of age, period and cohort. *Statistical Methods in Medical Research* 1: 317-337, 1992.
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* 136: 925-936, 1992.
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* 136: 937-948, 1992.
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* 3:481-492, 1992.
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* 12:1185-1195, 1993.
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* 53: 907-913, 1993.
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