Stanford

Daniel Bloch

Professor (Research) of Biomedical Data Science (BDS), Emeritus

CONTACT INFORMATION

- **Alternate Contact**

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Bio

BIO

I received my PhD. in Mathematical Statistics in 1967. I joined the research community at the Stanford University School of Medicine, Division of Immunology & Rheumatology, in 1984 as head statistician directing the biostatistics consulting and analytic support of the Arthritis Rheumatism Aging Medical Information System (ARAMIS) and Multipurpose Arthritis Center (MAC) grant-related research programs. In 1993 I was appointed Associate Professor with a joint appointment in the Departments of Medicine and of Health Research & Policy, and am currently Professor of Biostatistics at Stanford University, emeritus since 2007. My contributions to the statistics literature span numerous fields, including methods of sample size estimation, efficiency and bias of estimators, research methods for kappa statistics, non-parametric classification methods and methods of assessing multi-parameter endpoints. I have over 200 peer-reviewed publications. I have been directly involved with the development of numerous criteria rules for classification of diseases and with establishing guidelines for clinical trial research and in proposing responder criteria for osteoarthritis drugs. Since 1987, I have been a consultant on an ad hoc basis to pharmaceutical and biotechnical firms, including both start-up and established companies. I have extensive experience with devices, drugs and biologics and have participated in all aspects of applying statistics to implement investigational plans; e.g.: for protocol development, design of trials, database design. I've been a member of the FDA Statistical Advisors Panel, the statistical member on numerous data safety monitoring boards, and frequently represent companies at meetings with the FDA

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Biomedical Data Science
- Member, Stanford Cancer Institute

Publications

PUBLICATIONS

- **Long-Term Outcomes from a Multi-Center Trial of Stereotactic Body Radiotherapy for Low-and Intermediate-Risk Prostate Cancer**
  Meier, R., Bloch, D., Cotrutz, C., Beckman, A. C., Henning, G., Woodhouse, S. A., Williamson, S., Mohideen, N., Dombrowski, J. J., Linson, P. W., Kaplan, I. D.
  ELSEVIER SCIENCE INC.2019: E294–E295

- **Multicenter Trial of Stereotactic Body Radiation Therapy for Low- and Intermediate-Risk Prostate Cancer: Survival and Toxicity Endpoints**
  Meier, R. M., Bloch, D. A., Cotrutz, C., Beckman, A. C., Henning, G. T., Woodhouse, S. A., Williamson, S. K., Mohideen, N., Dombrowski, J. J., Hong, R. L., Brachman, D. G., Linson, P. W., Kaplan, et al
  ELSEVIER SCIENCE INC.2018: 296–303

- **Effects of Continuous Positive Airway Pressure on Neurocognitive Function in Obstructive Sleep Apnea Patients: The Apnea Positive Pressure Long-term Efficacy Study (APPLES)** *SLEEP*
  Kushida, C. A., Nichols, D. A., Holmes, T. H., Quan, S. F., Walsh, J. K., Gottlieb, D. J., Simon, R. D., Guilleminault, C., White, D. P., Goodwin, J. L., Schweitzer, P. K., Leary, E. B., Hyde, et al

2012; 35 (12): 1593-U40

- **Safety and efficacy of retreatment with a bioengineered hyaluronate for painful osteoarthritis of the knee: results of the open-label Extension Study of the FLEXX Trial** *OSTEOARTHRITIS AND CARTILAGE*
  Altman, R. D., Rosen, J. E., Bloch, D. A., Hatoum, H. T.
  2011; 19 (10): 1169-1175

- **Safety issues in the development of treatments for osteoarthritis: recommendations of the Safety Considerations Working Group** *OSTEOARTHRITIS AND CARTILAGE*
  Strand, V., Bloch, D. A., Leff, R., Peloso, P. M., Simon, L. S.
  2011; 19 (5): 493-499

- **Sham or Scam: A Critical Assessment of Recent Vertebroplasty Trials** *NEUROSURGERY*
  Frankel, B., Bloch, D. A.
  2010; 67 (2)

- **Plasma disc decompression compared with fluoroscopy-guided transforaminal epidural steroid injections for symptomatic contained lumbar disc herniation: a prospective, randomized, controlled trial Clinical article** *JOURNAL OF NEUROSURGERY-SPINE*
  Gerszten, P. C., Smuck, M., Rathmell, J. P., Simopoulos, T. T., Bhagia, S. M., Mocek, C. K., Crabtree, T., Bloch, D. A.
  2010; 12 (4): 357-371

- **A Double-Blind, Randomized, Saline-Controlled Study of the Efficacy and Safety of EUFLEXXA (R) for Treatment of Painful Osteoarthritis of the Knee, With an Open-Label Safety Extension (The FLEXX Trial)** *SEMINARS IN ARTHRITIS AND RHEUMATISM*
  Altman, R. D., Rosen, J. E., Bloch, D. A., Hatoum, H. T., Korner, P.
  2009; 39 (1): 1-9

- **A comparison of speculum and nonspeculum collection of cervicovaginal specimens for fetal fibronectin testing** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*
  Stafford, I. P., Garite, T. J., Dildy, G. A., Colon-Lucach, A., Williams, C. A., Bobritchi, B., Lapointe, J., Bloch, D. A.
  2008; 199 (2)

- **A preliminary randomized, double-blind, placebo-controlled study of the safety and efficacy of ondansetron in the treatment of methamphetamine dependence** *INTERNATIONAL JOURNAL OF NEUROPSYCHOPHARMACOLOGY*
  Johnson, B. A., Ait-Daoud, N., Elkashef, A. M., Smith, E. V., Kahn, R., Vocci, F., Li, S., Bloch, D. A.
  2008; 11 (1): 1-14

- **Performance goals and endpoint assessments for clinical trials of femoropopliteal bare nitinol stents in patients with symptomatic peripheral arterial disease** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*
  Rocha-Singh, K. J., Jaff, M. R., Crabtree, T. R., Bloch, D. A., Ansel, G.
  2007; 69 (6): 910-919

- **A combined superiority and non-inferiority approach to multiple endpoints in clinical trials** *STATISTICS IN MEDICINE*
  Bloch, D. A., Lai, T. L., Su, Z., Tubert-Bitter, P.
  2007; 26 (6): 1193-1207

- **Iliac fixation inhibits migration of both suprarenal and infrarenal aortic endografts** *60th Annual Meeting of the Society-for-Vascular-Surgery*
  Benharash, P., Lee, J. T., Abilez, O. J., Crabtree, T., Bloch, D. A., Zarins, C. K.
  MOSBY-ELSEVIER.2007: 250–57

- **Effect of non-steroidal anti-inflammatory medications on the risk of amyotrophic lateral sclerosis** *AMYOTROPHIC LATERAL SCLEROSIS*
  Popat, R. A., Tanner, C. M., Van Den Eeden, S. K., Bernstein, A. L., Bloch, D. A., Leimpeter, A., McGuire, V., Nelson, L. M.
  2007; 8 (3): 157-163

- **Candidate early predictors for progression to joint damage in systemic juvenile idiopathic arthritis** *JOURNAL OF RHEUMATOLOGY*
  Sandborg, C., Holmes, T. H., Lee, T., Biederman, K., Bloch, D. A., Emery, H., McCurdy, D., Mellins, E. D.
  2006; 33 (11): 2322-2329

- **Fluoxetine and suicide rates: Suicide and the economy** *PLOS MEDICINE*
  Camargo, C. A., Bloch, D. A.
  2006; 3 (11): 2161-2164

- **Endovascular aneurysm repair at 5 years: does aneurysm diameter predict outcome?** *30th Annual Meeting of the Southern-Association-for-Vascular-Surgery*
  Zarins, C. K., Crabtree, T., Bloch, D. A., Arko, F. R., Ouriel, K., White, R. A.
  MOSBY-ELSEVIER.2006: 920–29

- **A preliminary randomized, double-blind, placebo-controlled study of the safety and efficacy of ondansetron in the treatment of cocaine dependence** *DRUG AND ALCOHOL DEPENDENCE*
  Johnson, B. A., Roache, J. D., Ait-Daoud, N., Javors, M. A., Harrison, J. M., Elkashef, A., Mojsiak, J., Li, S., Bloch, D. A.
  2006; 84 (3): 256-263

- **The Apnea Positive Pressure Long-term Efficacy Study (APPLES): rationale, design, methods, and procedures.** *Journal of clinical sleep medicine*
  Kushida, C. A., Nichols, D. A., Quan, S. F., Goodwin, J. L., White, D. P., Gottlieb, D. J., Walsh, J. K., Schweitzer, P. K., Guilleminault, C., Simon, R. D., Leary, E. B., Hyde, P. R., Holmes, et al
  2006; 2 (3): 288-300

- **Mature results from a randomized phase II trial of cisplatin plus 5-fluorouracil and radiotherapy with or without tirapazamine in patients with resectable stage IV head and neck squamous cell carcinomas** *CANCER*
  Le, Q. T., Taira, A. I., Budenz, S., Dorie, M. J., Goffinet, D. R., Fee, W. E., Goode, R., Bloch, D., Koong, A., Brown, J. M., Pinto, H. A.
  2006; 106 (9): 1940-1949

- **Design and conduct of clinical trials in patients with osteoarthritis of the hand: recommendations from a task force of the Osteoarthritis Research Society International** *OSTEOARTHRITIS AND CARTILAGE*
  Maheu, E., Altman, R. D., Bloch, D. A., Doherty, M., Hochberg, M., Mannoni, A., Punzi, L., Spector, T., Verbruggen, G., Carr, A., Cicuttini, F., Dreiser, R. L., Haraoui, et al
  2006; 14 (4): 303-322

- **The Apnea Positive Pressure Long-term Efficacy Study (APPLES): Rationale, Design, Methods, and Procedures** *JOURNAL OF CLINICAL SLEEP MEDICINE*
  Kushida, C. A., Nichols, D. A., Quan, S. F., Goodwin, J. L., White, D. P., Gottlieb, D. J., Walsh, J. K., Schweitzer, P. K., Guilleminault, C., Simon, R. D., Leary, E. B., Hyde, P. R., Holmes, et al
  2006; 2 (3): 288-300

- **Responsiveness, effect size, and smallest detectable difference of Magnetic Resonance Imaging in knee osteoarthritis** *Workshop for Consensus on Osteoarthritis Imaging*
  Hunter, D. J., Conaghan, P. G., Peterfy, C. G., Bloch, D., Guermazi, A., Woodworth, T., Stevens, R., Genant, H. K.
  W B SAUNDERS CO LTD.2006: A112–A115

- **Effect of reproductive factors and postmenopausal hormone use on the risk of amyotrophic lateral sclerosis** *NEUROEPIDEMIOLOGY*
  Popat, R. A., Van Den Eeden, S. K., Tanner, C. M., Bernstein, A. L., Bloch, D. A., Leimpeter, A., McGuire, V., Nelson, L. M.
  2006; 27 (3): 117-121

- **A comprehensive assessment of the safety of intravenous methamphetamine administration during treatment with selegiline** *PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR*
  Newton, T. F., De la Garza, R., Fong, T., Chiang, N., Holmes, T. H., Bloch, D. A., Anderson, A., Elkashef, A.
  2005; 82 (4): 704-711

- **Protective conditioning for acute graft-versus-host disease** *NEW ENGLAND JOURNAL OF MEDICINE*
  Lowsky, R., Takahashi, T., Liu, Y. P., Dejbakhsh-Jones, S., GRUMET, F. C., Shizuru, J. A., Laport, G. G., Stockerl-Goldstein, K. E., JOHNSTON, L. J., Hoppe, R. T., Bloch, D. A., Blume, K. G., Negrin, et al
  2005; 353 (13): 1321-1331

- **Effect of reproductive factors and postmenopausal hormone use on the risk of Parkinson disease** *NEUROLOGY*
  Popat, R. A., Van Den Eeden, S. K., Tanner, C. M., McGuire, V., Bernstein, A. L., Bloch, D. A., Leimpeter, A., Nelson, L. M.
  2005; 65 (3): 383-390

- **Endovascular repair or surveillance of patients with small AAA** *NATO Advanced Research Workshop on Enhancing Urban Environment*
  Zarins, C. K., Crabtree, T., Arko, F. R., Heikkinen, M. A., Bloch, D. A., Ouriel, K., White, R. A.
  W B SAUNDERS CO LTD.2005: 496–503

- **Meniscal tear and extrusion are strongly associated with progression of symptomatic knee osteoarthritis as assessed by quantitative magnetic resonance imaging** *ANNALS OF THE RHEUMATIC DISEASES*

Berthiaume, M. J., Raynauld, J. P., Martel-Pelletier, J., Labonte, F., Beaudoin, G., Bloch, D. A., Choquette, D., Haraoui, B., Altman, R. D., Hochberg, M., Meyer, J. M., Cline, G. A., Pelletier, et al

2005; 64 (4): 556-563

- **Retrospective analyses of pooled data from CREST I and CREST II trials for treatment of cocaine dependence** *ADDICTION*

  Elkashef, A., Holmes, T. H., Bloch, D. A., Shoptaw, S., Kampman, K., Reid, M. S., Somoza, E. R., Ciraulo, D., Rotrosen, J., Leiderman, D., Montgomery, A., Vocci, F.

  2005; 100: 91-101

- **Cocaine Rapid Efficacy Screening Trial (CREST): a paradigm for the controlled evaluation of candidate medications for cocaine dependence** *ADDICTION*

  Leiderman, D. B., Shoptaw, S., Montgomery, A., Bloch, D. A., Elkashef, A., LoCastro, J., Vocci, F.

  2005; 100: 1-11

- **A medication screening trial evaluation of reserpine, gabapentin and lamotrigine pharmacotherapy of cocaine dependence** *ADDICTION*

  Berger, S. P., Winhusen, T. M., Somoza, E. C., Harrer, J. M., Mezinskis, J. P., Leiderman, D. B., Montgomery, M. A., Goldsmith, R. J., Bloch, D. A., Singal, B. M., Elkashef, A.

  2005; 100: 58-67

- **Efficacy screening trials of paroxetine, pentoxifylline, riluzole, pramipexole and venlafaxine in cocaine dependence** *ADDICTION*

  Ciraulo, D. A., Sarid-Segal, O., Knapp, C. M., Ciraulo, A. M., LoCastro, J., Bloch, D. A., Montgomery, M. A., Leiderman, D. B., Elkashef, A.

  2005; 100: 12-22

- **A placebo-controlled screening trial of tiagabine, sertraline and donepezil as cocaine dependence treatments** *ADDICTION*

  Winhusen, T. M., Somoza, E. C., Harrer, J. M., Mezinskis, J. P., Montgomery, M. A., Goldsmith, R. J., Coleman, F. S., Bloch, D. A., Leiderman, D. B., Singal, B. M., Berger, P., Elkashef, A.

  2005; 100: 68-77

- **Cocaine Rapid Efficacy Screening Trials (CREST): lessons learned** *ADDICTION*

  Kampman, K. M., Leiderman, D., Holmes, T., LoCastro, J., Bloch, D. A., Reid, M. S., Shoptaw, S., Montgomery, M. A., Winhusen, T. M., Somoza, E. C., Ciraulo, D. A., Elkashef, A., Vocci, et al

  2005; 100: 102-110

- **A nonparametric comparison of the effectiveness of treatments: A multivariate toxicity-penalized approach** *JOURNAL OF BIOPHARMACEUTICAL STATISTICS*

  Tubert-Bitter, P., Letierce, A., Bloch, D. A., Kramar, A.

  2005; 15 (1): 129-142

- **Quantitative air-trapping analysis in children with mild cystic fibrosis lung disease** *PEDIATRIC PULMONOLOGY*

  Bonnel, A. S., Song, S. M., Kesavarju, K., Newaskar, M., Paxton, C. J., Bloch, D. A., Moss, R. B., Robinson, T. E.

  2004; 38 (5): 396-405

- **Misperceptions regarding the long-term safety of the AneuRx stent graft** *JOURNAL OF VASCULAR SURGERY*

  Zarins, C. K., Bloch, D. A.

  2004; 40 (3): 594-595

- **A two-year evaluation of disease progression by quantitative magnetic resonance imaging in a large primary osteoarthritic patient population.** *68th Annual Scientific Meeting of the American-College-of-Rheumatology/39th Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals*

  Raynauld, J. P., Martel-Pelletier, J., Berthiaume, M. J., Beaudoin, G., Labonte, F., Bloch, D. A., Choquette, C., Haraoui, B., Altman, R. D., Hochberg, M., Beary, J., Cline, G., Meyer, et al

  WILEY-BLACKWELL.2004: S349–S349

- **Explant analysis of AneuRx stent grafts: Relationship between structural findings and clinical outcome** *18th Annual Meeting of the Western-Vascular-Society*

  Zarins, C. K., Arko, F. R., Crabtree, T., Bloch, D. A., Ouriel, K., Allen, R. C., White, R. A.

  MOSBY-ELSEVIER.2004: 1–11

- **Measurement of structural progression in osteoarthritis of the hip: the Barcelona consensus group** *OSTEOARTHRITIS AND CARTILAGE*

  Altman, R. D., Bloch, D. A., Dougados, M., Hochberg, M., Lohmander, S., Pavelka, K., Vignon, E.

  2004; 12 (7): 515-524

- **A two-year evaluation of disease progression by quantitative magnetic resonance imaging in a large primary osteoarthritic patient population** *Annual European Congress of Rheumatology (EULAR 2004)*
  Raynauld, J. P., Martel-Pelletier, J., Berthiaume, M., Beaudoin, G., Labonte, F., Bloch, D., Choquette, D., Haraoui, B., Altman, R., Hochberg, M., Beary, J., Cline, G., Meyer, et al
  BMJ PUBLISHING GROUP.2004: 71–71

- **Quantitative magnetic resonance imaging evaluation of knee osteoarthritis progression over two years and correlation with clinical symptoms and radiologic changes** *ARTHRITIS AND RHEUMATISM*
  Raynauld, J. P., Martel-Pelletier, J., Berthiaume, M. J., Labonte, F., Beaudoin, G., de Guise, J. A., Bloch, D. A., Choquette, D., Haraoui, B., Altman, R. D., Hochberg, M. C., Meyer, J. M., Cline, et al
  2004; 50 (2): 476-487

- **Aneurysm enlargement following endovascular aneurysm repair: AneuRx clinical trial** *26th Annual Meeting of the Midwestern-Vascular-Surgical-Society*
  Zarins, C. K., Bloch, D. A., Crabtree, T., Matsumoto, A. H., White, R. A., Fogarty, T. J.
  MOSBY-ELSEVIER.2004: 109–17

- **Stent graft migration after endovascular aneurysm repair: Importance of proximal fixation** *27th Annual Meeting of the Southern-Association-for-Vascular-Surgery*
  Zarins, C. K., Bloch, D. A., Crabtree, T., Matsumoto, A. H., White, R. A., Fogarty, T. J.
  MOSBY-ELSEVIER.2003: 1264–72

- **Composite spirometric-computed tomography outcome measure in early cystic fibrosis lung disease** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
  Robinson, T. E., Leung, A. N., Northway, W. H., Blankenberg, F. G., Chan, F. P., Bloch, D. A., Holmes, T. H., Moss, R. B.
  2003; 168 (5): 588-593

- **Meniscal damage is strongly associated with the progression of knee osteoarthritis as assessed by a quantification imaging system using magnetic resonance imaging.** *67th Annual Scientific Meeting of the American-College-of-Rheumatology/38th Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals*
  Pelletier, J. P., Raynauld, J. P., Beaudoin, G., Berthiaume, M. J., DeGuise, J., Bloch, D., Altman, R., Hochberg, M., Cline, G., Meyer, J., Martel-Pelletier, J.
  WILEY-BLACKWELL.2003: S453–S453

- **Meniscal damage is strongly associated with the progression of knee osteoarthritis as assessed by a quantification imaging system using the magnetic resonance imaging** *Annual European Congress of Rheumatology*
  Raynauld, J. P., Pelletier, J. P., Beaudoin, G., Berthiaume, M. J., DeGuise, J., Bloch, D. A., Altman, R. D., Hochberg, M. C., Cline, G., Meyer, J. M., Martel-Pelletier, J.
  BMJ PUBLISHING GROUP.2003: 327–327

- **Incidence of Parkinson's disease: Variation by age, gender, and Race/Ethnicity** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
  Van den Eeden, S. K., Tanner, C. M., Bernstein, A. L., Fross, R. D., Leimpeter, A., Bloch, D. A., Nelson, L. M.
  2003; 157 (11): 1015-1022

- **Comparison of the comet assay and the oxygen microelectrode for measuring tumor oxygenation in head-and-neck cancer patients** *Annual Meeting on Radiation Research*
  Le, Q. T., Kovacs, M. S., Dorie, M. J., Koong, A., Terris, D. J., Pinto, H. A., Goffinet, D. R., Nowels, K., Bloch, D., Brown, J. M.
  ELSEVIER SCIENCE INC.2003: 375–83

- **Reliability of a quantification imaging system using magnetic resonance images to measure cartilage thickness and volume in human normal and osteoarthritic knees** *OSTEOARTHRITIS AND CARTILAGE*
  Raynauld, J. P., Kauffmann, C., Beaudoin, G., Berthiaume, M. J., de Guise, J. A., Bloch, D. A., Camacho, F., Godbout, B., Altman, R. D., Hochberg, M., Meyer, J. M., Cline, G., Pelletier, et al
  2003; 11 (5): 351-360

- **Modulation of bone ingrowth and tissue differentiation by local infusion of interleukin-10 in the presence of ultra-high molecular weight polyethylene (UHMWPE) wear particles.** *Journal of biomedical materials research. Part A*
  Goodman, S., Trindade, M., Ma, T., Lee, M., Wang, N., Ikenou, T., Matsuura, I., Miyanishi, K., Fox, N., Regula, D., Genovese, M., Klein, J., Bloch, et al
  2003; 65 (1): 43-50

- **Modulation of bone ingrowth and tissue differentiation by local infusion of interleukin-10 in the presence of ultra-high molecular weight polyethylene (UHMWPE) wear particles** *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A*
  Goodman, S., Trindade, M., Ma, T., Lee, M., Wang, N., Ikenou, T., Matsuura, I., Miyanishi, K., Fox, N., Regula, D., Genovese, M., Klein, J., Bloch, et al
  2003; 65A (1): 43-50

- **Meniscal damage is strongly associated with the progression of knee osteoarthritis as assessed by a quantification imaging system using the magnetic resonance imaging** *4th European Congress on Clinical and Economic Aspects of Osteoporosis and Osteoarthritis (ECCEO 4)*
  Pelletier, J. P., Raynauld, J. P., Beaudoin, G., Berthiaume, M. J., de Guise, J. A., Bloch, D. A., Altman, R. D., Hochberg, M., Cline, G., Meyer, J., Martel-Pelletier, J.
  SPRINGER LONDON LTD.2003: S10–S11

- **Unexpectedly high prevalence of posttransplant anemia in pediatric and young adult renal transplant recipients** *AMERICAN JOURNAL OF KIDNEY DISEASES*
  Yorgin, P. D., Belson, A., Sanchez, J., Al Uzri, A. Y., Sarwal, M., Bloch, D. A., Oehlert, J., Salvatierra, O., Alexander, S. R.
  2002; 40 (6): 1306-1318

- **Assessment of low-flow CSF drainage as a treatment for AD - Results of a randomized pilot study** *NEUROLOGY*
  Silverberg, G. D., Levinthal, E., SULLIVAN, E. V., Bloch, D. A., Chang, S. D., Leverenz, J., Flitman, S., Winn, R., Marciano, F., Saul, T., Huhn, S., Mayo, M., McGuire, et al
  2002; 59 (8): 1139-1145

- **A two-year study in osteoarthritis patients following the progression of the disease by magnetic resonance imaging using a novel quantification Imaging system.** *66th Annual Scientific Meeting of the American-College-of-Rheumatology/37th Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals*
  Raynauld, J. P., Pelletier, J. P., Beaudoin, G., Berthiaume, M. J., de Guise, J. A., Bloch, D. A., Altman, R. D., Hochberg, M., Cline, G., Buckland-Wright, C., Meyer, J., Martel-Pelletier, J.
  WILEY-BLACKWELL.2002: S150–S150

- **Lifestyle habits and compression of morbidity** *JOURNALS OF GERONTOLOGY SERIES A-BIOLOGICAL SCIENCES AND MEDICAL SCIENCES*
  Hubert, H. B., Bloch, D. A., Oehlert, J. W., Fries, J. F.
  2002; 57 (6): M347-M351

- **Risk estimation for classification trees** *JOURNAL OF COMPUTATIONAL AND GRAPHICAL STATISTICS*
  Bloch, D. A., Olshen, R. A., Walker, M. G.
  2002; 11 (2): 263-288

- **Long-term followup of patients treated with total lymphoid irradiation for lupus nephritis** *ARTHRITIS AND RHEUMATISM*
  Genovese, M. C., Uhrin, Z., Bloch, D. A., Oehlert, J., Sibley, R. K., Myers, B., Strober, S.
  2002; 46 (4): 1014-1018

- **Fetal ear length measurement: a useful predictor of aneuploidy?** *ULTRASOUND IN OBSTETRICS & GYNECOLOGY*
  Chitkara, U., Lee, L., Oehlert, J. W., Bloch, D. A., Holbrook, R. H., El-Sayed, Y. Y., Druzin, M. L.
  2002; 19 (2): 131-135

- **Postural balance in children with cerebral palsy** *DEVELOPMENTAL MEDICINE AND CHILD NEUROLOGY*
  Rose, J., Wolff, D. R., Jones, V. K., Bloch, D. A., Oehlert, J. W., Gamble, J. G.
  2002; 44 (1): 58-63

- **HIV risk in drug dependent population** *14th International AIDS Conference*
  Elkashef, A., Walsh, R., Li, S., Montgomery, A., Bloch, D., Holmes, T., Vocci, F.
  MEDIMOND S R L.2002: 317–323

- **One-sided tests in clinical trials with multiple endpoints** *BIOMETRICS*
  Bloch, D. A., Lai, T. L., Tubert-Bitter, P.
  2001; 57 (4): 1039-1047

- **A meta-analysis comparing buprenorphine to methadone for treatment of opiate dependence** *ADDICTION*
  Barnett, P. G., Rodgers, J. H., Bloch, D. A.
  2001; 96 (5): 683-690

- **Spirometer-triggered high-resolution computed tomography and pulmonary function measurements during an acute exacerbation in patients with cystic fibrosis** *JOURNAL OF PEDIATRICS*
  Robinson, T. E., Leung, A. N., Northway, W. H., Blankenberg, F. G., Bloch, D. A., Oehlert, J. W., Al-Dabbagh, H., Hubli, S., Moss, R. B.
  2001; 138 (4): 553-559
- **The AneuRx stent graft: Four-year results and worldwide experience 2000** *JOURNAL OF VASCULAR SURGERY*
  Zarins, C. K., White, R. A., Moll, F. L., Crabtree, T., Bloch, D. A., Hodgson, K. J., Fillinger, M. F., Fogarty, T. J.
  2001; 33 (2): S135-S145
- **Response criteria for clinical trials on osteoarthritis of the knee and hip - A report of The Osteoarthritis Research Society International Standing Committee for Clinical Trials Response Criteria Initiative** *OSTEOARTHRITIS AND CARTILAGE*
  Dougados, M., Leclaire, P., van der Heijde, D., Bloch, D. A., Bellamy, N., Altman, R. D.
  2000; 8 (6): 395-403
- **Reliability of proxy-reported and self-reported household appliance use** *EPIDEMIOLOGY*
  Mills, K. M., Kheifets, L. I., Nelson, L. M., Bloch, D. A., Takemoto-Hambleton, R., Kelsey, J. L.
  2000; 11 (5): 581-588
- **Ultrasonographic ear length measurement in normal second-and third-trimester fetuses** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*
  Chitkara, U., Lee, L., El-Sayed, Y. Y., Holbrook, R. H., Bloch, D. K., Oehlert, J. W., Druzin, M. L.
  2000; 183 (1): 230-234
- **Assessing patients' views of clinical changes - Reply** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
  Holman, H., Bloch, D. A., Lorig, K., Laurent, D., Fischer, D., Stewart, A. L.
  2000; 283 (14): 1825-1825
- **Prevalence of pelvic Paget's disease of bone in the United States** *JOURNAL OF BONE AND MINERAL RESEARCH*
  Altman, R. D., Bloch, D. A., Hochberg, M. C., Murphy, W. A.
  2000; 15 (3): 461-465
- **DNA damage measured by the comet assay in head and neck cancer patients treated with tirapazamine.** *Neoplasia*
  Dorie, M. J., Kovacs, M. S., Gabalski, E. C., Adam, M., Le, Q. T., Bloch, D. A., Pinto, H. A., Terris, D. J., Brown, J. M.
  1999; 1 (5): 461-467
- **Falls in older Mexican-American women** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*
  Schwartz, A. V., Villa, M. L., Prill, M., Kelsey, J. A., Galinus, J. A., Delay, R. R., Nevitt, M. C., Bloch, D. A., Marcus, R., Kelsey, J. L.
  1999; 47 (11): 1371-1378
- **Children's symptoms in the wake of Challenger: A field study of distant-traumatic effects and an outline of related conditions** *AMERICAN JOURNAL OF PSYCHIATRY*
  Terr, L. C., Bloch, D. A., Michel, B. A., Shi, H., Reinhardt, J. A., Metayer, S.
  1999; 156 (10): 1536-1544
- **Capturing the patient's view of change as a clinical outcome measure** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
  Fischer, D., Stewart, A. L., Bloch, D. A., Lorig, K., Laurent, D., Holman, H.
  1999; 282 (12): 1157-1162
- **Plans, designs, and analyses for clinical trials of anti-cocaine medications: Where we are today** *JOURNAL OF CLINICAL PSYCHOPHARMACOLOGY*
  Lavori, P. W., Bloch, D. A., Bridge, P. T., Leiderman, D. B., LoCastro, J. S., Somoza, E.
  1999; 19 (3): 246-256
- **Patient preferences in coronary revascularization** *AMERICAN HEART JOURNAL*
  Hornberger, J., Bloch, D. K., Hlatky, M. A., BAUMGARTNER, W.
  1999; 137 (6): 1153-1162
- **Analysis of radiographic measurements as prognostic indicators of treatment success in patients with developmental dysplasia of the hip** *JOURNAL OF PEDIATRIC ORTHOPAEDICS-PART B*
  Rosen, A., Gamble, J. G., Vallier, H., Bloch, D., Smith, L., Rinsky, L. A.

1999; 8 (2): 118-121

- **Tissue oxygen distribution in head and neck cancer patients** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*
  Adam, M. F., Gabalski, E. C., Bloch, D. A., Oehlert, J. W., Brown, J. M., Elsaid, A. A., Pinto, H. A., Terris, D. J.
  1999; 21 (2): 146-153
- **An intervention to increase patients' trust in their physicians** *ACADEMIC MEDICINE*
  Thom, D. H., Bloch, D. A., Segal, E. S.
  1999; 74 (2): 195-198
- **Pretreatment and midtreatment measurement of oxygen tension levels in head and neck cancers** *LARYNGOSCOPE*
  Gabalski, E. C., Adam, M., PINTO, H., Brown, J. M., Bloch, D. A., Terris, D. J.
  1998; 108 (12): 1856-1860
- **Donor blood monocytes but not T or B cells facilitate long-term allograft survival after total lymphoid irradiation** *TRANSPLANTATION*
  Hayamizu, K., Zeng, D., Huie, P., Garcia-Ojeda, M. E., Bloch, D. A., Fong, L., Engleman, E. G., Sibley, R. K., Strober, S.
  1998; 66 (5): 585-593
- **Patient retrospective evaluation of change: An appropriate outcome measure for clinical trials?**
  Fischer, D., Stewart, A. L., Bloch, D. A., Lorig, K., Laurent, D., Holman, H. R.
  WILEY-BLACKWELL.1998: S229–S229
- **Prediction of postoperative knee flexion in Insall-Burstein II total knee arthroplasty** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
  Schurman, D. J., Matityahu, A., Goodman, S. B., Maloney, W., Woolson, S., Shi, H., Bloch, D. A.
  1998: 175-184
- **Rheumatoid arthritis in the Pima Indians - The intersection of epidemiologic, demographic, and genealogic data** *ARTHRITIS AND RHEUMATISM*
  Hirsch, R., Lin, J. P., Scott, W. W., Ma, L. D., Pillemer, S. R., Kastner, D. L., Jacobsson, L. T., Bloch, D. A., Knowler, W. C., Bennett, P. H., Bale, S. J.
  1998; 41 (8): 1464-1469
- **Postural balance measurements for children and adolescents** *JOURNAL OF ORTHOPAEDIC RESEARCH*
  Wolff, D. R., Rose, J., Jones, V. K., Bloch, D. A., Oehlert, J. W., Gamble, J. G.
  1998; 16 (2): 271-275
- **Recursive partitioning for the identification of disease risk subgroups: A case-control study of subarachnoid hemorrhage** *JOURNAL OF CLINICAL EPIDEMIOLOGY*
  Nelson, L. M., Bloch, D. A., Longstreth, W. T., Shi, H.
  1998; 51 (3): 199-209
- **The relationship of running to osteoarthritis of the knee and hip and bone mineral density of the lumbar spine: A 9 year longitudinal study** *JOURNAL OF RHEUMATOLOGY*
  Lane, N. E., Oehlert, J. W., Bloch, D. A., Fries, J. F.
  1998; 25 (2): 334-341
- **Hip osteoarthritis prevalence estimates by three radiographic scoring systems** *ARTHRITIS AND RHEUMATISM*
  Hirsch, R., Fernandes, R. J., Pillemer, S. R., Hochberg, M. C., Lane, N. E., Altman, R. D., Bloch, D. A., Knowler, W. C., Bennett, P. H.
  1998; 41 (2): 361-368
- **Functional indices for sciatic, peroneal, and posterior tibial nerve lesions in the mouse** *MICROSURGERY*
  Inserra, M. M., Bloch, D. A., Terris, D. J.
  1998; 18 (2): 119-124
- **Running and osteoarthritis of the knee: A 12 year longitudinal study.**
  Lane, N. E., Oehlert, J., Ward, M., Genovese, M., Bloch, D., Fries, J. F.
  WILEY-BLACKWELL.1997: 1242–42
- **Children's thinking in the wake of Challenger** *AMERICAN JOURNAL OF PSYCHIATRY*
  Terr, L. C., Bloch, D. A., Michel, B. A., Shi, H., Reinhardt, J. A., Metayer, S. A.
  1997; 154 (6): 744-751

- **Identifying hospitalized older patients at varying risk for physical performance decline: A new approach** *52nd Annual Meeting of the American-Geriatrics-Society*
  Winograd, C. H., Lindenberger, E. C., Chavez, C. M., MAURICIO, M. P., Shi, H., Bloch, D. A.
  WILLIAMS & WILKINS.1997: 604–9
- **Analysis of estrogen receptor messenger RNA in breast carcinomas from archival specimens is predictive of tumor biology** *AMERICAN JOURNAL OF PATHOLOGY*
  Carmeci, C., DECONINCK, E. C., Lawton, T., Bloch, D. A., Weigel, R. J.
  1997; 150 (5): 1563-1570
- **The relationship of clinical knowledge to months of clinical training among medical students** *ACADEMIC MEDICINE*
  Vosti, K. L., Bloch, D. A., Jacobs, C. D.
  1997; 72 (4): 305-307
- **Comparing two diagnostic tests against the same "gold standard" in the same sample** *BIOMETRICS*
  Bloch, D. A.
  1997; 53 (1): 73-85
- **Monotone discriminant functions and their applications in rheumatology** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*
  Bloch, D. A., Silverman, B. W.
  1997; 92 (437): 144-153
- **Optimization of thoracic spiral CT: Effects of iodinated contrast medium concentration** *RADIOLOGY*
  Rubin, G. D., Lane, M. J., Bloch, D. A., Leung, A. N., Stark, P.
  1996; 201 (3): 785-791
- **Effects of growth hormone and estrogen on T lymphocytes in older women** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*
  Bonello, R. S., Marcus, R., Bloch, D., Strober, S.
  1996; 44 (9): 1038-1042
- **Identifying hospitalized older adults at varying risk for functional status decline**
  Lindenberger, E. C., Winograd, C. H., Bloch, D. A., Shi, H.
  BLACKWELL SCIENCE INC.1996: P61–P61
- **Eliminating language barriers for non-English-speaking patients** *MEDICAL CARE*
  Hornberger, J. C., GIBSON, C. D., Wood, W., Dequeldre, C., CORSO, I., PALLA, B., Bloch, D. A.
  1996; 34 (8): 845-856
- **Long-term survival of patients with Wegener's granulomatosis from the American college of Rheumatology Wegener's granulomatosis classification criteria cohort** *AMERICAN JOURNAL OF MEDICINE*
  Matteson, E. L., GOLD, K. N., Bloch, D. A., Hunder, G. G.
  1996; 101 (2): 129-134
- **Geriatric targeting criteria as predictors of survival and health care utilization** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*
  Satish, S., Winograd, C. H., Chavez, C., Bloch, D. A.
  1996; 44 (8): 914-921
- **An index for assessing blindness in a multi-centre clinical trial: Disulfiram for alcohol cessation - A VA Cooperative Study** *STATISTICS IN MEDICINE*
  James, K. E., Bloch, D. A., Lee, K. K., Kraemer, H. C., Fuller, R. K.
  1996; 15 (13): 1421-1434
- **Comparing health care expenditures between systemic lupus erythematosus patients in Stanford and Montreal** *ARTHRITIS AND RHEUMATISM*
  Gironimi, G., Clarke, A. E., Hamilton, V. H., Danoff, D. S., Bloch, D. A., Fries, J. F., Esdaile, J. M.
  1996; 39 (6): 979-987
- **Children's memories in the wake of Challenger** *AMERICAN JOURNAL OF PSYCHIATRY*
  Terr, L. C., Bloch, D. A., Michel, B. A., Shi, H., Reinhardt, J. A., Metayer, S.
  1996; 153 (5): 618-625

- **Lymphoma and luekemia in rheumatoid arthritis: are they associated with azathioprine, cyclophosphamide, or methotrexate?** *Journal of clinical rheumatology : practical reports on rheumatic & musculoskeletal diseases*
  WILLIAMS, C. A., Bloch, D. A., Sibley, J., Haga, M., Wolfe, F., Raynauld, J. P., Singh, G., Hickey, A. R., Fries, J. F.
  1996; 2 (2): 64-72

- **Trends in asthma therapy in the United States: 1965-1992** *ANNALS OF ALLERGY ASTHMA & IMMUNOLOGY*
  Terr, A. I., Bloch, D. A.
  1996; 76 (3): 273-281

- **Long-term survival of patients with giant cell arteritis in the American College of Rheumatology Giant Cell Arteritis Classification Criteria Cohort** *AMERICAN JOURNAL OF MEDICINE*
  Matteson, E. L., GOLD, K. N., Bloch, D. A., Hunder, G. G.
  1996; 100 (2): 193-196

- **LYMPHOMA AND LEUKEMIA IN RHEUMATOID-ARTHRITIS - A MATCHED CASE-CONTROL STUDY IN THE ARAMIS (ARTHRITIS, RHEUMATISM AND AGING MEDICAL INFORMATION-SYSTEM) POPULATION**
  WILLIAMS, C. A., Bloch, D. A., Sibley, J., Haga, M., Wolfe, F., Raynauld, J. P., Singh, G., Hickey, A. R., Fries, J. F.
  WILEY-BLACKWELL.1995: 311–11

- **A LONGITUDINAL-STUDY OF FUNCTIONAL DISABILITY IN A NATIONAL COHORT OF PATIENTS WITH POLYMYOSITIS DERMATOMYOSITIS** *ARTHRITIS AND RHEUMATISM*
  Clarke, A. E., Bloch, D. A., Medsger, T. A., Oddis, C. V.
  1995; 38 (9): 1218-1224

- **PREDICTORS OF ONE-YEAR PHYSICAL PERFORMANCE CHANGE IN OLDER HOSPITALIZED ADULTS**
  Lindenberger, E. C., Winograd, C. H., MAURICIO, M. P., Chavez, C. M., Shi, H., Bloch, D. A.
  WILEY-BLACKWELL.1995: SA58–SA58

- **THE NATURAL-HISTORY OF FUNCTIONAL STATUS IN HOSPITALIZED OLDER ADULTS**
  MAURICIO, M. P., Winograd, C. H., Chavez, C. M., Bloch, D. A., Shi, H.
  WILEY-BLACKWELL.1995: SA51–SA51

- **COMPARING THE BIVARIATE EFFECTS OF TOXICITY AND EFFICACY OF TREATMENTS** *2nd International Meeting on Statistical Methods in Biopharmacy: Choice and Decisions in the Development of Pharmaceutical Products*
  TUBERTBITTER, P., Bloch, D. A., Raynauld, J. P.
  JOHN WILEY & SONS LTD.1995: 1129–41

- **DISCORDANT EFFECTS OF DIETARY L-ARGININE ON VASCULAR STRUCTURE AND REACTIVITY IN HYPERCHOLESTEROLEMIC RABBITS** *JOURNAL OF CARDIOVASCULAR PHARMACOLOGY*
  Singer, A. H., Tsao, P. S., Wang, B. Y., Bloch, D. A., Cooke, J. P.
  1995; 25 (5): 710-716

- **ASSESSMENT OF LIVING RENAL DONORS WITH SPIRAL CT** *RADIOLOGY*
  Rubin, G. D., Alfrey, E. J., Dake, M. D., Semba, C. P., Sommer, F. G., Kuo, P. C., Dafoe, D. C., WASKERWITZ, J. A., Bloch, D. A., Jeffrey, R. B.
  1995; 195 (2): 457-462

- **MINIMUM DATA NEEDED ON PATIENT PREFERENCES FOR ACCURATE, EFFICIENT MEDICAL DECISION-MAKING** *MEDICAL CARE*
  Hornberger, J. C., Habraken, H., Bloch, D. A.
  1995; 33 (3): 297-310

- **PHYSICAL-DISABILITY IN OLDER RUNNERS - PREVALENCE, RISK-FACTORS, AND PROGRESSION WITH AGE** *JOURNALS OF GERONTOLOGY SERIES A-BIOLOGICAL SCIENCES AND MEDICAL SCIENCES*
  Ward, M. M., Hubert, H. B., Shi, H., Bloch, D. A.
  1995; 50 (2): M70-M77

- **DECREASING COSTS AND IMPROVING OUTCOMES IN SYSTEMIC LUPUS-ERYTHEMATOSUS - USING REGRESSION TREES TO DEVELOP HEALTH-POLICY** *JOURNAL OF RHEUMATOLOGY*
  Clarke, A. E., Bloch, D. A., Danoff, D. S., Esdaile, J. M.
  1994; 21 (12): 2246-2253

- **DEVELOPMENT OF A PHYSICAL PERFORMANCE AND MOBILITY EXAMINATION** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*

Winograd, C. H., LEMSKY, C. M., Nevitt, M. C., NORDSTROM, T. M., Stewart, A. L., Miller, C. J., Bloch, D. A.
1994; 42 (7): 743-749

- **APPLICATION OF NEURAL NETWORKS TO THE CLASSIFICATION OF GIANT-CELL ARTERITIS** *ARTHRITIS AND RHEUMATISM*
  Astion, M. L., Wener, M. H., Thomas, R. G., Hunder, G. G., Bloch, D. A.
  1994; 37 (5): 760-770

- **THE MORTALITY OF RHEUMATOID-ARTHRITIS** *ARTHRITIS AND RHEUMATISM*
  Wolfe, F., MITCHELL, D. M., Sibley, J. T., Fries, J. F., Bloch, D. A., WILLIAMS, C. A., SPITZ, P. W., Haga, M., KLEINHEKSEL, S. M., CATHEY, M. A.
  1994; 37 (4): 481-494

- **THE IMPACT OF DISEASE-ACTIVITY, TREATMENT AND DISEASE SEVERITY ON SHORT-TERM COSTS OF SYSTEMIC LUPUS-ERYTHEMATOSUS** *JOURNAL OF RHEUMATOLOGY*
  Lacaille, D., Clarke, A. E., Bloch, D. A., Danoff, D., Esdaile, J. M.
  1994; 21 (3): 448-453

- **A REEVALUATION OF ASPIRIN THERAPY IN RHEUMATOID-ARTHRITIS** *ARCHIVES OF INTERNAL MEDICINE*
  Fries, J. F., Ramey, D. R., Singh, G., MORFELD, D., Bloch, D. A., Raynauld, J. P.
  1993; 153 (21): 2465-2471

- **A CANADIAN STUDY OF THE TOTAL MEDICAL COSTS FOR PATIENTS WITH SYSTEMIC LUPUS-ERYTHEMATOSUS AND THE PREDICTORS OF COSTS** *ARTHRITIS AND RHEUMATISM*
  Clarke, A. E., Esdaile, J. M., Bloch, D. A., Lacaille, D., Danoff, D. S., Fries, J. F.
  1993; 36 (11): 1548-1559

- **THE RELATIVE TOXICITY OF ALTERNATIVE THERAPIES FOR RHEUMATOID-ARTHRITIS - IMPLICATIONS FOR THE THERAPEUTIC PROGRESSION** *SEMINARS IN ARTHRITIS AND RHEUMATISM*
  Fries, J. F., WILLIAMS, C. A., Ramey, D. R., Bloch, D. A.
  1993; 23 (2): 68-73

- **MICROINJECTION OF GALANIN INTO THE MEDIAL PREOPTIC NUCLEUS FACILITATES COPULATORY-BEHAVIOR IN THE MALE-RAT** *PHYSIOLOGY & BEHAVIOR*
  Bloch, G. J., Butler, P. C., Kohlert, J. G., Bloch, D. A.
  1993; 54 (4): 615-624

- **FRACTURES IN RHEUMATOID-ARTHRITIS - AN EVALUATION OF ASSOCIATED RISK-FACTORS** *JOURNAL OF RHEUMATOLOGY*
  Michel, B. A., Bloch, D. A., Wolfe, F., Fries, J. F.
  1993; 20 (10): 1666-1669

- **SEASONAL-VARIATION IN THE ONSET OF WEGENERS GRANULOMATOSIS, POLYARTERITIS-NODOSA AND GIANT-CELL ARTERITIS** *JOURNAL OF RHEUMATOLOGY*
  Raynauld, J. P., Bloch, D. A., Fries, J. F.
  1993; 20 (9): 1524-1526

- **OVERTRAINING IN NEURAL NETWORKS THAT INTERPRET CLINICAL-DATA** *25TH ANNUAL OAK RIDGE CONF ON ADVANCED ANALYTICAL CONCEPTS FOR THE CLINICAL LABORATORY*
  Astion, M. L., Wener, M. H., Thomas, R. G., Hunder, G. G., Bloch, D. A.
  AMER ASSOC CLINICAL CHEMISTRY.1993: 1998–2004

- **THE RELATIONSHIP BETWEEN SPINAL AND PERIPHERAL OSTEOARTHRITIS AND BONE-DENSITY MEASUREMENTS** *JOURNAL OF RHEUMATOLOGY*
  BELMONTESERRANO, M. A., Bloch, D. A., Lane, N. E., Michel, B. E., Fries, J. F.
  1993; 20 (6): 1005-1013

- **2-YEAR RESULTS OF A RANDOMIZED CONTROLLED TRIAL OF A HEALTH PROMOTION PROGRAM IN A RETIREE POPULATION - THE BANK-OF-AMERICA STUDY** *AMERICAN JOURNAL OF MEDICINE*
  Fries, J. F., Bloch, D. A., Harrington, H., Richardson, N., Beck, R.
  1993; 94 (5): 455-462

- **THE RELATIVE TOXICITY OF DISEASE-MODIFYING ANTIRHEUMATIC DRUGS** *ARTHRITIS AND RHEUMATISM*
  Fries, J. F., WILLIAMS, C. A., Ramey, D., Bloch, D. A.

1993; 36 (3): 297-306

- **THE RISK OF OSTEOARTHRITIS WITH RUNNING AND AGING - A 5-YEAR LONGITUDINAL-STUDY** *JOURNAL OF RHEUMATOLOGY*
  Lane, N. E., Michel, B., BJORKENGREN, A., Oehlert, J., Shi, H., Bloch, D. A., Fries, J. F.
  1993; 20 (3): 461-468
- **RISK-FACTORS FOR PHYSICAL-DISABILITY IN AN AGING COHORT - THE NHANES-I EPIDEMIOLOGIC FOLLOW-UP-STUDY** *JOURNAL OF RHEUMATOLOGY*
  Hubert, H. B., Bloch, D. A., Fries, J. F.
  1993; 20 (3): 480-488
- **PREDICTORS OF SURVIVAL IN HOSPITALIZED OLDER VETERANS**
  Winograd, C. H., Bloch, D. A., Chavez, C. M., Shi, H., LEMSKY, C. M.
  SLACK INC.1993: A10–A10
- **PREDICTORS OF HEALTH-CARE UTILIZATION**
  Winograd, C. H., LEMSKY, C. M., Bloch, D. A., Chavez, C. M., Shi, H.
  SLACK INC.1993: A104–A104
- **IMPACT OF RUNNING ON LUMBAR BONE-DENSITY - A 5-YEAR LONGITUDINAL-STUDY** *JOURNAL OF RHEUMATOLOGY*
  Michel, B. A., Lane, N. E., BJORKENGREN, A., Bloch, D. A., Fries, J. F.
  1992; 19 (11): 1759-1763
- **THE COMPARATIVE TOXICITY OF NONSTEROIDAL ANTIINFLAMMATORY DRUGS (NSAIDS) IN RHEUMATOID-ARTHRITIS (RA) - 1992**
  Fries, J. F., Singh, G., Ramey, D. R., MORFELD, D., WILLIAMS, C. A., Bloch, D. A.
  WILEY-LISS.1992: S236–S236
- **A STUDY TO ASSESS RADIOGRAPHIC LUMBAR-DISK DEGENERATION**
  Lane, N. E., Michel, B. A., BJORKENGREN, A., Shi, H., Bloch, D. A., Fries, J. F.
  WILEY-LISS.1992: S295–S295
- **HYPERSENSITIVITY VASCULITIS AND HENOCH-SCHONLEIN PURPURA - A COMPARISON BETWEEN THE 2 DISORDERS** *JOURNAL OF RHEUMATOLOGY*
  Michel, B. A., Hunder, G. G., Bloch, D. A., Calabrese, L. H.
  1992; 19 (5): 721-728
- **THE RELATIVE TOXICITY OF NONSTEROIDAL ANTIINFLAMMATORY DRUGS (NSAIDS)** *12TH EUROPEAN CONGRESS OF RHEUMATOLOGY*
  Fries, J. F., WILLIAMS, C. A., Bloch, D. A.
  ELSEVIER SCIENCE PUBL B V.1992: 322–324
- **THE RELATIVE TOXICITY OF NONSTEROIDAL ANTIINFLAMMATORY DRUGS** *ARTHRITIS AND RHEUMATISM*
  Fries, J. F., WILLIAMS, C. A., Bloch, D. A.
  1991; 34 (11): 1353-1360
- **EFFECT OF CHANGES IN WEIGHT-BEARING EXERCISE ON LUMBAR BONE MASS AFTER AGE 50** *ANNALS OF MEDICINE*
  Michel, B. A., Lane, N. E., Bloch, D. A., Jones, H. H., Fries, J. F.
  1991; 23 (4): 397-401
- **NONSTEROIDAL ANTIINFLAMMATORY DRUG-ASSOCIATED GASTROPATHY - INCIDENCE AND RISK FACTOR MODELS** *AMERICAN JOURNAL OF MEDICINE*
  Fries, J. F., WILLIAMS, C. A., Bloch, D. A., Michel, B. A.
  1991; 91 (3): 213-222
- **PREDICTORS OF FRACTURES IN EARLY RHEUMATOID-ARTHRITIS** *JOURNAL OF RHEUMATOLOGY*
  Michel, B. A., Bloch, D. A., Fries, J. F.
  1991; 18 (6): 804-808
- **THE PROGRESSION OF EROSION AND JOINT SPACE NARROWING SCORES IN RHEUMATOID-ARTHRITIS DURING THE 1ST 25 YEARS OF DISEASE** *ARTHRITIS AND RHEUMATISM*
  Sharp, J. T., Wolfe, F., MITCHELL, D. M., Bloch, D. A.

1991; 34 (6): 660-668

- **THE AMERICAN-COLLEGE-OF-RHEUMATOLOGY CRITERIA FOR THE CLASSIFICATION AND REPORTING OF OSTEOARTHRITIS OF THE HIP** *ARTHRITIS AND RHEUMATISM*

  Altman, R., Alarcon, G., APPELROUTH, D., Bloch, D., Borenstein, D., Brandt, K., Brown, C., Cooke, T. D., Daniel, W., Feldman, D., Greenwald, R., Hochberg, M., Howell, et al

  1991; 34 (5): 505-514

- **PREDICTORS OF SURVIVAL IN SYSTEMIC-SCLEROSIS (SCLERODERMA)** *ARTHRITIS AND RHEUMATISM*

  Altman, R. D., Medsger, T. A., Bloch, D. A., Michel, B. A.

  1991; 34 (4): 403-413

- **TOXICITY PROFILES OF DISEASE MODIFYING ANTIRHEUMATIC DRUGS IN RHEUMATOID-ARTHRITIS** *JOURNAL OF RHEUMATOLOGY*

  Singh, G., Fries, J. F., WILLIAMS, C. A., Zatarain, E., Spitz, P., Bloch, D. A.

  1991; 18 (2): 188-194

- **THE AMERICAN-COLLEGE-OF-RHEUMATOLOGY CRITERIA FOR THE CLASSIFICATION AND REPORTING OF OSTEOARTHRITIS OF THE HAND** *ARTHRITIS AND RHEUMATISM*

  Altman, R., Alarcon, G., APPELROUTH, D., Bloch, D., Borenstein, D., Brandt, K., Brown, C., Cooke, T. D., Daniel, W., Gray, R., Greenwald, R., Hochberg, M., Howell, et al

  1990; 33 (11): 1601-1610

- **STATISTICAL APPROACHES TO CLASSIFICATION - METHODS FOR DEVELOPING CLASSIFICATION AND OTHER CRITERIA RULES** *ARTHRITIS AND RHEUMATISM*

  Bloch, D. A., Moses, L. E., Michel, B. A.

  1990; 33 (8): 1137-1144

- **THE AMERICAN-COLLEGE-OF-RHEUMATOLOGY 1990 CRITERIA FOR THE CLASSIFICATION OF VASCULITIS - SUMMARY** *ARTHRITIS AND RHEUMATISM*

  Fries, J. F., Hunder, G. G., Bloch, D. A., Michel, B. A., Arend, W. P., Calabrese, L. H., Fauci, A. S., Leavitt, R. Y., Lie, J. T., LIGHTFOOT, R. W., Masi, A. T., MCSHANE, D. J., Mills, et al

  1990; 33 (8): 1135-1136

- **THE AMERICAN-COLLEGE-OF-RHEUMATOLOGY 1990 CRITERIA FOR THE CLASSIFICATION OF VASCULITIS - PATIENTS AND METHODS** *ARTHRITIS AND RHEUMATISM*

  Bloch, D. A., Michel, B. A., Hunder, G. G., MCSHANE, D. J., Arend, W. P., Calabrese, L. H., Edworthy, S. M., Fauci, A. S., Fries, J. F., Leavitt, R. Y., Lie, J. T., LIGHTFOOT, R. W., Masi, et al

  1990; 33 (8): 1068-1073

- **THE AMERICAN-COLLEGE-OF-RHEUMATOLOGY 1990 CRITERIA FOR THE CLASSIFICATION OF CHURG-STRAUSS-SYNDROME (ALLERGIC GRANULOMATOSIS AND ANGIITIS)** *ARTHRITIS AND RHEUMATISM*

  Masi, A. T., Hunder, G. G., Lie, J. T., Michel, B. A., Bloch, D. A., Arend, W. P., Calabrese, L. H., Edworthy, S. M., Fauci, A. S., Leavitt, R. Y., LIGHTFOOT, R. W., MCSHANE, D. J., Mills, et al

  1990; 33 (8): 1094-1100

- **THE AMERICAN-COLLEGE-OF-RHEUMATOLOGY 1990 CRITERIA FOR THE CLASSIFICATION OF GIANT-CELL ARTERITIS** *ARTHRITIS AND RHEUMATISM*

  Hunder, G. G., Bloch, D. A., Michel, B. A., Stevens, M. B., Arend, W. P., Calabrese, L. H., Edworthy, S. M., Fauci, A. S., Leavitt, R. Y., Lie, J. T., LIGHTFOOT, R. W., Masi, A. T., MCSHANE, et al

  1990; 33 (8): 1122-1128

- **THE AMERICAN-COLLEGE-OF-RHEUMATOLOGY 1990 CRITERIA FOR THE CLASSIFICATION OF HENOCH-SCHONLEIN PURPURA** *ARTHRITIS AND RHEUMATISM*

  Mills, J. A., Michel, B. A., Bloch, D. A., Calabrese, L. H., Hunder, G. G., Arend, W. P., Edworthy, S. M., Fauci, A. S., Leavitt, R. Y., Lie, J. T., LIGHTFOOT, R. W., Masi, A. T., MCSHANE, et al

  1990; 33 (8): 1114-1121

- **THE AMERICAN-COLLEGE-OF-RHEUMATOLOGY 1990 CRITERIA FOR THE CLASSIFICATION OF HYPERSENSITIVITY VASCULITIS** *ARTHRITIS AND RHEUMATISM*

  Calabrese, L. H., Michel, B. A., Bloch, D. A., Arend, W. P., Edworthy, S. M., Fauci, A. S., Fries, J. F., Hunder, G. G., Leavitt, R. Y., Lie, J. T., LIGHTFOOT, R. W., Masi, A. T., MCSHANE, et al

  1990; 33 (8): 1108-1113

- **THE AMERICAN-COLLEGE-OF-RHEUMATOLOGY 1990 CRITERIA FOR THE CLASSIFICATION OF TAKAYASU ARTERITIS** *ARTHRITIS AND RHEUMATISM*
  Arend, W. P., Michel, B. A., Bloch, D. A., Hunder, G. G., Calabrese, L. H., Edworthy, S. M., Fauci, A. S., Leavitt, R. Y., Lie, J. T., LIGHTFOOT, R. W., Masi, A. T., MCSHANE, D. J., Mills, et al
  1990; 33 (8): 1129-1134

- **THE AMERICAN-COLLEGE-OF-RHEUMATOLOGY 1990 CRITERIA FOR THE CLASSIFICATION OF WEGENER GRANULOMATOSIS** *ARTHRITIS AND RHEUMATISM*
  Leavitt, R. Y., Fauci, A. S., Bloch, D. A., Michel, B. A., Hunder, G. G., Arend, W. P., Calabrese, L. H., Fries, J. F., Lie, J. T., LIGHTFOOT, R. W., Masi, A. T., MCSHANE, D. J., Mills, et al
  1990; 33 (8): 1101-1107

- **THE AMERICAN-COLLEGE-OF-RHEUMATOLOGY 1990 CRITERIA FOR THE CLASSIFICATION OF POLYARTERITIS-NODOSA** *ARTHRITIS AND RHEUMATISM*
  LIGHTFOOT, R. W., Michel, B. A., Bloch, D. A., Hunder, G. G., Zvaifler, N. J., MCSHANE, D. J., Arend, W. P., Calabrese, L. H., Leavitt, R. Y., Lie, J. T., Masi, A. T., Mills, J. A., Stevens, et al
  1990; 33 (8): 1088-1093

- **THE INFLUENCE OF CONTINUOUS PASSIVE MOTION ON OUTCOME IN TOTAL KNEE ARTHROPLASTY** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
  Maloney, W. J., Schurman, D. J., HANGEN, D., Goodman, S. B., Edworthy, S., Bloch, D. A.
  1990: 162-168

- **RUNNING, OSTEOARTHRITIS, AND BONE-DENSITY - INITIAL 2-YEAR LONGITUDINAL-STUDY** *AMERICAN JOURNAL OF MEDICINE*
  Lane, N. E., Bloch, D. A., Hubert, H. B., Jones, H., SIMPSON, U., Fries, J. F.
  1990; 88 (5): 452-459

- **PLAIN RADIOGRAPHS CAN BE USEFUL IN ESTIMATING LUMBAR BONE-DENSITY** *JOURNAL OF RHEUMATOLOGY*
  Michel, B. A., Lane, N. E., Jones, H. H., Fries, J. F., Bloch, D. A.
  1990; 17 (4): 528-531

- **A NOTE ON CASE CONTROL SAMPLING TO ESTIMATE KAPPA COEFFICIENTS** *BIOMETRICS*
  Kraemer, H. C., Bloch, D. A.
  1990; 46 (1): 49-59

- **Identification of patients at risk for gastropathy associated with NSAID use.** *journal of rheumatology. Supplement*
  Fries, J. F., Miller, S. R., SPITZ, P. W., WILLIAMS, C. A., Hubert, H. B., Bloch, D. A.
  1990; 20: 12-19

- **IDENTIFICATION OF PATIENTS AT RISK FOR GASTROPATHY ASSOCIATED WITH NSAID USE** *SYMP ON NEW STANDARDS IN ARTHRITIS CARE*
  Fries, J. F., Miller, S. R., SPITZ, P. W., WILLIAMS, C. A., Hubert, H. B., Bloch, D. A.
  J RHEUMATOL PUBL CO.1990: 12–19

- **A TOXICITY INDEX FOR COMPARISON OF SIDE-EFFECTS AMONG DIFFERENT DRUGS** *ARTHRITIS AND RHEUMATISM*
  Fries, J. F., SPITZ, P. W., WILLIAMS, C. A., Bloch, D. A., Singh, G., Hubert, H. B.
  1990; 33 (1): 121-130

- **EMPIRICAL-COMPARISON OF APPROACHES TO FORMING STRATA - USING CLASSIFICATION TREES TO ADJUST FOR COVARIATES** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*
  Bloch, D. A., Segal, M. R.
  1989; 84 (408): 897-905

- **WEIGHT-BEARING EXERCISE, OVER-EXERCISE, AND LUMBAR BONE-DENSITY OVER AGE 50 YEARS** *ARCHIVES OF INTERNAL MEDICINE*
  Michel, B. A., Bloch, D. A., Fries, J. F.
  1989; 149 (10): 2325-2329

- **PREDISPOSING FACTORS IN POLYMYOSITIS-DERMATOMYOSITIS - RESULTS OF A NATIONWIDE SURVEY** *JOURNAL OF RHEUMATOLOGY*
  LYON, M. G., Bloch, D. A., HOLLAK, B., Fries, J. F.

1989; 16 (9): 1218-1224

- **THE NATURAL-HISTORY OF ANKYLOSING-SPONDYLITIS - IS THE DISEASE REALLY CHANGING** *JOURNAL OF RHEUMATOLOGY*
  Fries, J. F., Singh, G., Bloch, D. A., Calin, A.
  1989; 16 (7): 860-863
- **OSTEO-ARTHRITIS IN THE HAND - A COMPARISON OF HANDEDNESS AND HAND USE** *JOURNAL OF RHEUMATOLOGY*
  Lane, N. E., Bloch, D. A., Jones, H. H., SIMPSON, U., Fries, J. F.
  1989; 16 (5): 637-642
- **CONVENTIONAL CEMENTED TOTAL HIP-ARTHROPLASTY - ASSESSMENT OF CLINICAL FACTORS ASSOCIATED WITH REVISION FOR MECHANICAL FAILURE** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
  Schurman, D. J., Bloch, D. A., Segal, M. R., Tanner, C. M.
  1989: 173-180
- **2X2 KAPPA-COEFFICIENTS - MEASURES OF AGREEMENT OR ASSOCIATION** *BIOMETRICS*
  Bloch, D. A., Kraemer, H. C.
  1989; 45 (1): 269-287
- **TOWARD AN EPIDEMIOLOGY OF GASTROPATHY ASSOCIATED WITH NONSTEROIDAL ANTIINFLAMMATORY DRUG-USE** *GASTROENTEROLOGY*
  Fries, J. F., Miller, S. R., SPITZ, P. W., WILLIAMS, C. A., Hubert, H. B., Bloch, D. A.
  1989; 96 (2): 647-655
- **A STATE MODEL OF RENAL-FUNCTION IN SYSTEMIC LUPUS-ERYTHEMATOSUS - ITS VALUE IN THE PREDICTION OF OUTCOME IN 292 PATIENTS** *JOURNAL OF RHEUMATOLOGY*
  Edworthy, S. M., Bloch, D. A., MCSHANE, D. J., Segal, M. R., Fries, J. F.
  1989; 16 (1): 29-35
- **ANALYSIS OF THE 1982 ARA LUPUS CRITERIA DATA SET BY RECURSIVE PARTITIONING METHODOLOGY - NEW INSIGHTS INTO THE RELATIVE MERIT OF INDIVIDUAL CRITERIA** *JOURNAL OF RHEUMATOLOGY*
  Edworthy, S. M., Zatarain, E., MCSHANE, D. J., Bloch, D. A.
  1988; 15 (10): 1493-1498
- **EFFECTS OF DIETARY PHYTIC ACID (PHYTATE) ON THE INCIDENCE AND GROWTH-RATE OF TUMORS PROMOTED IN FISCHER RATS BY A MAGNESIUM SUPPLEMENT** *NUTRITION RESEARCH*
  Jariwalla, R. J., Sabin, R., Lawson, S., Bloch, D. A., PRENDER, M., Andrews, V., Herman, Z. S.
  1988; 8 (7): 813-827
- **POSTMARKETING SURVEILLANCE IN RHEUMATOLOGY - ANALYSIS OF PURPURA AND UPPER ABDOMINAL-PAIN** *JOURNAL OF RHEUMATOLOGY*
  Fries, J. F., Bloch, D. A., Segal, M. R., SPITZ, P. W., Williams, C., Lane, N. E.
  1988; 15 (2): 348-355
- **NONOPTIMALLY WEIGHTED LEAST-SQUARES** *AMERICAN STATISTICIAN*
  Bloch, D. A., Moses, L. E.
  1988; 42 (1): 50-53
- **KAPPA-COEFFICIENTS IN EPIDEMIOLOGY - AN APPRAISAL OF A REAPPRAISAL** *JOURNAL OF CLINICAL EPIDEMIOLOGY*
  Kraemer, H. C., Bloch, D. A.
  1988; 41 (10): 959-968
- **RADIOGRAPHIC ASSESSMENT OF PROGRESSION IN OSTEOARTHRITIS** *ARTHRITIS AND RHEUMATISM*
  Altman, R. D., Fries, J. F., Bloch, D. A., Carstens, J., Cooke, D., Genant, H., GOFTON, P., Groth, H., MCSHANE, D. J., Murphy, W. A., Sharp, J. T., Spitz, P., WILLIAMS, et al
  1987; 30 (11): 1214-1225
- **DISABILITY IN RHEUMATOID-ARTHRITIS - COMPARISON OF PROGNOSTIC FACTORS ACROSS 3 POPULATIONS** *JOURNAL OF RHEUMATOLOGY*
  Sherrer, Y. S., Bloch, D. A., MITCHELL, D. M., Roth, S. H., Wolfe, F., Fries, J. F.
  1987; 14 (4): 705-709

- **DEVELOPMENT OF CLINICAL-CRITERIA FOR OSTEOARTHRITIS** *JOURNAL OF RHEUMATOLOGY*
  Altman, R. D., Bloch, D. A., BOLE, G. G., Brandt, K. D., COOKE, D. V., GREENWALD, R. A., Hochberg, M. C., Howell, D. S., Kaplan, D., Koopman, W. J., MCSHANE, D. J., Mankin, H. J., Medsger, et al
  1987; 14: 3-6

- **AGING, LONG-DISTANCE RUNNING, AND THE DEVELOPMENT OF MUSCULOSKELETAL DISABILITY - A CONTROLLED-STUDY** *AMERICAN JOURNAL OF MEDICINE*
  Lane, N. E., Bloch, D. A., Wood, P. D., Fries, J. F.
  1987; 82 (4): 772-780

- **COMPARATIVE TOXICITY OF TOTAL LYMPHOID IRRADIATION AND IMMUNOSUPPRESSIVE DRUG TREATED PATIENTS WITH INTRACTABLE RHEUMATOID-ARTHRITIS** *JOURNAL OF RHEUMATOLOGY*
  Sherrer, Y., Bloch, D., Strober, S., Fries, J.
  1987; 14 (1): 46-51

- **SAMPLE-SIZE REQUIREMENTS AND THE COST OF A RANDOMIZED CLINICAL-TRIAL WITH REPEATED MEASUREMENTS** *STATISTICS IN MEDICINE*
  Bloch, D. A.
  1986; 5 (6): 663-667

- **DEVELOPMENT OF CRITERIA FOR THE CLASSIFICATION AND REPORTING OF OSTEOARTHRITIS - CLASSIFICATION OF OSTEOARTHRITIS OF THE KNEE** *ARTHRITIS AND RHEUMATISM*
  Altman, R., Asch, E., Bloch, D., Bole, G., Borenstein, D., Brandt, K., CHRISTY, W., Cooke, T. D., Greenwald, R., Hochberg, M., Howell, D., Kaplan, D., Koopman, et al
  1986; 29 (8): 1039-1049

- **SURVIVAL, PROGNOSIS, AND CAUSES OF DEATH IN RHEUMATOID-ARTHRITIS** *ARTHRITIS AND RHEUMATISM*
  MITCHELL, D. M., SPITZ, P. W., Young, D. Y., Bloch, D. A., MCSHANE, D. J., Fries, J. F.
  1986; 29 (6): 706-714

- **IMPACT OF SPECIFIC THERAPY UPON RHEUMATOID-ARTHRITIS** *ARTHRITIS AND RHEUMATISM*
  Fries, J. F., SPITZ, P. W., MITCHELL, D. M., Roth, S. H., Wolfe, F., Bloch, D. A.
  1986; 29 (5): 620-627

- **THE DEVELOPMENT OF DISABILITY IN RHEUMATOID-ARTHRITIS** *ARTHRITIS AND RHEUMATISM*
  Sherrer, Y. S., Bloch, D. A., MITCHELL, D. M., Young, D. Y., Fries, J. F.
  1986; 29 (4): 494-500

- **LONG-DISTANCE RUNNING, BONE-DENSITY, AND OSTEOARTHRITIS** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
  Lane, N. E., Bloch, D. A., Jones, H. H., Marshall, W. H., Wood, P. D., Fries, J. F.
  1986; 255 (9): 1147-1151

- **ASSESSMENT OF RADIOLOGIC PROGRESSION IN RHEUMATOID-ARTHRITIS - A RANDOMIZED, CONTROLLED TRIAL** *ARTHRITIS AND RHEUMATISM*
  Fries, J. F., Bloch, D. A., Sharp, J. T., MCSHANE, D. J., Spitz, P., BLUHM, G. B., Forrester, D., Genant, H., GOFTON, P., Richman, S., Weissman, B., Wolfe, F.
  1986; 29 (1): 1-9

- **CANCER IN RHEUMATOID-ARTHRITIS - A PROSPECTIVE LONG-TERM STUDY OF MORTALITY** *AMERICAN JOURNAL OF MEDICINE*
  Fries, J. F., Bloch, D., Spitz, P., MITCHELL, D. M.
  1985; 78 (1A): 56-59