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- Education: Ph.D. (Statistics) Stanford University, 1977.
M.S. (Statistics) Stanford University, 1973.
B.A. (Mathematics, Philosophy) Pomona College, 1972. Magna cum laude
- Professional: *All at the University of Chicago:*
2005– Member, Center for Cognitive and Social Neuroscience
2001–2008 Member, Institute for Mind and Biology
2000– Director, Biostatistics Core Facility, University of Chicago Cancer Research Center
1999– Chairman, Department of Health Studies
1999– Co-Director, Clinical Research Training Program
1996– Professor, Department of Health Studies
1993–1998 Co-Director, Robert Wood Johnson Clinical Scholars Program
1993– Professor, Committee on Clinical Pharmacology and Pharmacogenomics
1992– Professor, Departments of Statistics, Anesthesia & Critical Care,
and the College
1989–1992 Associate Professor, Department of Anesthesia and Critical Care
1982–1992 Associate Professor, Department of Statistics and the College
1979–1982 Leonard Jimmie Savage Assistant Professor, Department of Statistics
and the College
1976–1982 Assistant Professor, Department of Statistics and the College
- Honors: Phi Beta Kappa, Pomona College, 1972.
National Science Foundation Graduate Fellow, 1973–1976.
Sigma Xi, The University of Chicago, 1977.
The Llewellyn John and Harriet Manchester Quantrell Award for Excellence in
Undergraduate Teaching, 1981.
Faculty, National Center for Advanced Medical Education, 1990–1992.
- Professional Societies:
American Association for the Advancement of Science (Elected Fellow, 1992)
1994–1997 Electorate Nominating Committee, Section on Statistics
American Statistical Association (Elected Fellow, 1988)
1987–1989 Section on Statistical Graphics, Chair (1988)
1994–1996 Executive Committee, Section on Statistical Education
1994–1996 Section Representative, Section on Statistical Computing
American Public Health Association
Association for Computing Machinery
Biometric Society
Institute of Mathematical Statistics
1987–1990 Nominating Committee
1989–1993, 1999–2002 Management Committee, *Current Index to Statistics*
- Editorial: *Computing Reviews*, Reviewer (1978–1987).
J American Statistical Assoc, Associate Editor (1979–1985, 1987–1988).
SIAM J Scientific and Statistical Computing, Editorial Board (1983–1985).
ACM Trans on Math Software, Associate Editor (1990–1992).
Current Index to Statistics, Database Ed. (1994); Managing Ed. (1995); Editor (1996–1998).

Selected Publications

Books

- [1] *Elements of Statistical Computing: Numerical Computation*. Chapman & Hall: London. 1988.

Original Articles

- [2] “The Prediction of Homicide with the Rorschach” (D Lester, J Kendra, R Thisted, W Perdue). *J. Clinical Psych.*, **31**, (1976), 752.
- [3] “Estimating the Number of Unseen Species: How Many Words Did Shakespeare Know?” (B Efron, RA Thisted). *Biometrika*, **63**, (1976), 435-447.
- [4] *Ridge Regression, Minimax Estimation, and Empirical Bayes Methods*. Ph.D. Thesis, Department of Statistics, Stanford University (1976).
- [5] “Prediction of Homicide and Suicide: A Test in a Healthy Risk-Taking Group” (D Lester, JM Kendra, RA Thisted). *Perceptual and Motor Skills*, **44**, (1977), 222.
- [6] “Teaching Statistical Computing Using Computer Packages” (with Discussion), *The American Statistician*, **33**, (1979), 27–35.
- [7] “User Documentation and Control Language I: Evaluation and Comparison of Statistical Computer Packages.” *Computers & Education*, **3**, (1979), 135–141.
- [8] “Predicting a Multitude of Time Series” (RA Thisted, WE Wecker). *Journal of the American Statistical Association*, **75**, (1980), 81–86.
- [9] “Lactic Acidemia in Reye’s Syndrome” (JH Tongsgard, PR Huttenlocher, RA Thisted). *Pediatrics*, **69**, (1982), 64–69.
- [10] “Maximum Likelihood Estimation of Isotonic Modal Regression” (T Sager, R Thisted). *Annals of Statistics*, **10**, (1982), 690–707.
- [11] “Safety and Efficacy of Chymopapain (Chymodiactin) in Herniated Nucleus Pulposus With Sciatica: Results of a Randomized, Double-blind Study” (MJ Javid, EJ Nordby, LT Ford, WJ Hejna, WW Whisler, C Burton, DK Millett, LL Wiltse, EH Widell Jr, RJ Boyd, StE Newton, RA Thisted). *Journal of the American Medical Association*, **249:18**, (1983), 2489–2494.
- [12] “A Statistical Study of Mate Choice: Sexual Selection in a Plethodontid Salamander (*Desmognathus Ochrophæus*),” (L Houck, SJ Arnold, RA Thisted). *Evolution*, **39**, (1985), 370–386.
- [13] “Chymodiactin in Patients with Herniated Lumbar Intervertebral Disc(s): An Open-Label, Multicenter Study,” (DJ McDermott, K Agre, M Brim, FJ Demma, J Nelson, RR Wilson, RA Thisted). *Spine*, **10**, (1985), 242–249.
- [14] “Decreased Incidence and Mortality of Anaphylaxis to Chymopapain,” (J Moss, MF Roizen, EJ Nordby, RA Thisted, JL Apfelbaum, BD Schreider, DJ McDermott). *Anesthesia and Analgesia*, **64**, (1985), 1197–1201.
- [15] “Computing Environments for Data Analysis,” (with Discussion), *Statistical Science*, **1**, (1986), 259–275.
- [16] “Did Shakespeare Write a Newly-Discovered Poem?” (R Thisted, B Efron). *Biometrika*, **74**, (1987), 445–455.
- [17] “Cervical Injury in Head Trauma,” (GL Neifeld, JG Keene, G Hevesy, J Leikin, A Proust, RA Thisted). *Journal of Emergency Medicine*, **6**, (1988), 203–207.
- [18] “Patient-Applied Podofilox for Treatment of Genital Warts,” (KR Beutner, MA Conant, AE Friedman-Kien, M Illeman, NN Artman, RA Thisted, DH King). *Lancet*, (1989, April 15), 831–834.
- [19] “Using a National Health Care Data Base to Determine Surgical Complications in Community Hospitals: Lumbar Discectomy as an Example” (L Ramirez, R Thisted). *Neurosurgery*, **25**, (1989), 218–225.
- [20] “Complications and Demographic Characteristics of Patients Undergoing Lumbar Discectomy in Community Hospitals,” (L Ramirez, R Thisted). *Neurosurgery*, **25**, (1989), 226–231.

- [21] “Increased Risk for Gestational Diabetes Mellitus Associated with Insulin Receptor and Insulin-like Growth Factor II Restriction Fragment Length Polymorphisms” (C Ober, KS Xiang, RA Thisted, KA Intovina, CJ Wason, S Dooley). *Genetic Epidemiology*, **6**, (1989), 559–569.
- [22] “Alcohol after Midazolam Sedation: Does it Really Matter?,” (JL Lichtor, J Zacny, K Korttila, JL Apfelbaum, BS Lane, G Rupani, RA Thisted, C Dohrn), *Anesthesia & Analgesia*, **72**, (1991), 661–666.
- [23] “Spreading Depression Increases Immunohistochemical Staining of Glial Fibrillary Acidic Protein,” (RP Kraig, L Dong, R Thisted, CB Jaeger). *Journal of Neuroscience*, **11**(7), (1991), 2187–2198.
- [24] “Intravenous Lidocaine does not Cause Shivering-like Tremor or Alter Thermoregulation,” (B Glosten, DI Sessler, LG Östman, EAM Faure, L Karl, RA Thisted). *Regional Anesthesia*, **16**, (1991), 218–222.
- [25] “The Automated Interview *vs.* the Personal Interview: Do Patient Responses to Preoperative Health Questions Differ?” (RE Lutner, MF Roizen, CB Stocking, RA Thisted, S Kim, PC Duke, P Pompeii, CK Cassel). *Anesthesiology*, **75**, (1991), 394–400.
- [26] “Predictors of Body Surface Area” (Y Wang, J Moss, R Thisted). *Journal of Clinical Anesthesia*, **4**, (1992), 4–10.
- [27] “Alcohol After Intravenous Midazolam-Fentanyl Sedation: Effects on Psychomotor Functioning,” (JL Lichtor, J Zacny, JL Apfelbaum, BS Lane, G Rupani, RA Thisted, C Dohrn, K Kortilla). *British Journal of Anesthesia*, **67**, (1991) 579–584.
- [28] “Sleep and Psychiatric Disorders: A Meta-Analysis,” (RM Benca, WH Obermeyer, RA Thisted, JC Gillin). *Archives of General Psychiatry*, **49**, (1992), 651–668. With editorial.
- [29] “Thromboelastogram Fails to Predict Postoperative Hemorrhage in Cardiac Patients,” (JS Wang, CY Lin, WT Hung, MF O’Connor, RA Thisted, BK Lee, RB Karp, MW Yang). *Annals of Thoracic Surgery*, **53**, (1992), 435–439.
- [31] “Central Temperature Changes are not Perceived During Epidural Anesthesia,” (B Glosten, DI Sessler, EAM Faure, L Karl, RA Thisted). *Anesthesiology*, **77**, (1992), 10–16.
- [32] “The Risk of Human Immunodeficiency Virus in Surgeons, Anesthetists, and Medical Students,” (JM Buerger, R Kim, RA Thisted, MF Roizen). *Anesthesia & Analgesia*, **75**, (1992), 118–124.
- [33] “Reassessment of Preoperative Laboratory Testing Has Changed the Test-Ordering Patterns of Physicians” (A Macario, MF Roizen, RA Thisted, S Kim, FK Orkin, C Phelps). *Surgery, Gynecology & Obstetrics*, **175**, (1992), 539–547.
- [34] “Echocardiographic Analysis of Dysfunctional and Normal Myocardial Segments Before and Immediately After Coronary Artery Bypass Graft Surgery,” (P Voci, F Bilotta, S Aronson, G Scibilia, Q Caretta, C Mercanti, B Marino, R Thisted, MF Roizen, A Reale). *Anesthesia & Analgesia*, **75**, (1992), 213–218.
- [35] “The Influence of Intravenous Albuterol Injections on Pulmonary Arterial Pressure, Gas Exchange, and Left Ventricular Peak Intensity,” (R Walker, JG Weincek, S Aronson, J Zaroff, D Glock, R Thisted, SB Feinstein). *Journal of the American Society of Echocardiography*, **5**, (1992), 463–470.
- [36] “In Vitro Effects of Aprotinin on Activated Clotting Time Measured with Different Activators,” (JS Wang, CY Lin, WT Hung, RA Thisted, RB Karp). *Journal of Thoracic and Cardiovascular Surgery*, **104**, (1992), 1135–1140.
- [37] “Can Patients Use an Automated Questionnaire to Define Their Current Health Status?” (MF Roizen, D Coalson, RS Hayward, J Schmittner, RA Thisted, JL Apfelbaum, CB Stocking, P Pompei, DE Ford, *et al.*). *Medical Care*, **30**, (1992), MS74–84.
- [38] “Disease-Specific Survival Following Routine Prostate Cancer Screening by Digital Rectal Examination,” (GS Gerber, IM Thompson, R Thisted, GW Chodak). *Journal of the American Medical Association*, **269**, (1993), 61–64.
- [39] “The Interaction between Alcohol and the Residual Effects of Thiopental,” (JL Lichtor, JP Zacny, DW Coalson, DC Flemming, A Uitvlugt, JL Apfelbaum, BS Lane, RA Thisted). *Anesthesiology*, **79**, (1993), 28–35.

- [40] “A proposal to use confidence intervals for visual analog scale data for pain measurement to determine clinical significance,” (S Mantha, R Thisted, J Foss, JE Ellis, MF Roizen). *Anesthesia & Analgesia*, **77**, (1993), 1041–1047.
- [41] “The initial clinical experience of 1819 physicians in maintaining anesthesia with propofol: Characteristics associated with prolonged time to awakening,” (JL Apfelbaum, TH Grasela, CC Hug, CH McLeskey, ML Nahrwold, MF Roizen, TH Stanley, RA Thisted, CA Walawander, PF White). *Anesthesia & Analgesia*, **77**, (1993), S10–14.
- [42] “The role of pharmacoepidemiology research in postmarketing surveillance and anesthesia practice/critical care medicine,” (TH Grasela, WD Watkins, CC Hug, CH McLeskey, ML Nahrwold, MF Roizen, TH Stanley, RA Thisted, CA Walawander, PF White, JL Apfelbaum). *Anesthesia & Analgesia*, **77**, (1993), S44–50.
- [43] “Hemodynamic effects of propofol: Data from over 25,000 patients,” (CC Hug, CH McLeskey, ML Nahrwold, MF Roizen, TH Stanley, RA Thisted, CA Walawander, PF White, JL Apfelbaum, TH Grasela). *Anesthesia & Analgesia*, **77**, (1993), S21–29.
- [44] “Adverse events in a multicenter Phase IV study of propofol: Evaluation by anesthesiologists and PACU nurses,” (CH McLeskey, CA Walawander, ML Nahrwold, MF Roizen, TH Stanley, RA Thisted, PF White, JL Apfelbaum, TH Grasela, CC Hug). *Anesthesia & Analgesia*, **77**, (1993), S3–9.
- [45] “Phase IV study of propofol: Validation of the data set,” (ML Nahrwold, MF Roizen, TH Stanley, RA Thisted, CA Walawander, PF White, JL Apfelbaum, TH Grasela, CC Hug, CH McLeskey). *Anesthesia & Analgesia*, **77**, (1993), S34–43.
- [46] “How do anesthesiologists select patients when introducing a new drug into practice?” (MF Roizen, TH Stanley, RA Thisted, CA Walawander, PF White, JL Apfelbaum, TH Grasela, CC Hug, CH McLeskey, ML Nahrwold). *Anesthesia & Analgesia*, **77**, (1993), S30–33.
- [47] “Effects on recovery when isoflurane is used to supplement propofol-nitrous oxide anesthesia,” (PF White, TH Stanley, JL Apfelbaum, TH Grasela, CC Hug, CH McLeskey, ML Nahrwold, MF Roizen, RA Thisted, CA Walawander). *Anesthesia & Analgesia*, **77**, (1993), S15–20.
- [48] “Predictive and Diagnostic Tests of Renal Failure: A Review,” (M Kellen, S Aronson, MF Roizen, J Barnard, RA Thisted). *Anesthesia & Analgesia*, **78**, (1994), 134–142.
- [49] “Association of Preoperative Risk Factors with Postoperative Acute Renal Failure,” (BK Novis, MF Roizen, S Aronson, RA Thisted). *Anesthesia & Analgesia*, **78**, (1994), 143–149.
- [50] “Results of Conservative Management of Clinically Localized Prostate Cancer,” (GW Chodak, RA Thisted, GS Gerber, J-E Johansson, J Adolfsson, G Jones, G Chisholm, B Moskovitz, J Warner). *New England Journal of Medicine*, **330**, (1994), 242–248.
- [51] “Relative Effectiveness of Four Preoperative Tests for Predicting Adverse Cardiac Outcomes After Vascular Surgery: A Meta-Analysis,” (S Mantha, MF Roizen, J Barnard, RA Thisted, JE Ellis, J Foss). *Anesthesia & Analgesia*, **79**, (1994), 422–433.
- [52] “Premedication with Oral and Transdermal Clonidine Provides Safe and Efficacious Postoperative Sympatholysis,” (JE Ellis, G Drijvers, S Pedlow, SP Laff, MJ Sorrentino, JF Foss, M Shah, JR Busse, S Mantha, J McKinsey, J Osinski, RA Thisted, MF Roizen). *Anesthesia & Analgesia*, **79**, (1994), 1133–40.
- [53] “Mucosal allergy in the absence of systemic allergy in nasal polyposis and rhinitis: a meta-analysis,” (JS Shatkin, KG Delsupehe, RA Thisted, JP Corey). *Otolaryngology – Head & Neck Surgery*, **111**(5), (1994), 553–6.
- [54] “Estimation of the association between desipramine and the risk for sudden death in 5 to 14-year-old children,” (J Biederman, RA Thisted, L Greenhill, ND Ryan). *Journal of Clinical Psychiatry*, **56**, (1995), 87–93.
- [55] “A comparison of intraarticular morphine to bupivacaine for pain control following local knee arthroscopy in the day surgery setting: A prospective, randomized, double-blinded study,” (JW Jaureguito, JF Wilcox, SJ Cohn, RA Thisted, B Reider). *American Journal of Sports Medicine*, **23**, (1995), 350–3.

- [56] “Prospective, randomized, double-blind trial of BQ-123 and bosentan for prevention of vasospasm following subarachnoid hemorrhage in monkeys.” (A Hino, BK Weir, RL Macdonald, RA Thisted, et al) *Journal of Neurosurgery*, **83**, (1995), 503–9.
- [57] “Resolved: cardiac arrhythmias make desipramine an unacceptable choice in children.” (JS Werry, J Biederman, R Thisted, L Greenhill, et al) *Journal of the American Academy of Child & Adolescent Psychiatry*, **34**, (1995), 1239–45; discussion 1245–8.
- [58] “Short-term outcomes after cryosurgical ablation of the prostate in men with recurrent prostate carcinoma following radiation therapy,” (GT Bales, MJ Williams, M Sinner, RA Thisted, GW Chodak), *Urology*, **46**(5), (1995), 676–80.
- [59] “Results of radical prostatectomy in men with clinically localized prostate cancer,” (GS Gerber, RA Thisted, PT Scardino, HG Frohmuller, FH Schroeder, DF Paulson, AW Middleton, Jr., DB Rukstalis, JA Smith, Jr., PF Schellhammer, M Ohori, GW Chodak), *JAMA*, **276**(8), (1996), 615–9.
- [60] “Eye injuries after nonocular surgery. A study of 60,965 anesthetics from 1988 to 1992,” (S Roth, RA Thisted, JP Erickson, S Black, BD Schreider), *Anesthesiology*, **85**(5), (1996), 1020–7.
- [61] “Glutamine protects intestinal epithelial cells: Role of inducible HSP70,” (PE Wischmeyer, MW Musch, MB Madonna, R Thisted, EB Chang), *Am J Physiol*, **272** (*Gastrointest Liver Physiol*, **35**), 1997, G879–G884.
- [62] “Postcesarean analgesia with both epidural morphine and intravenous patient-controlled analgesia: Neurobehavioral outcomes among nursing neonates.” (B Wittels, B Glosten, EAM Faure, AH Moawad, M Ismail, J Hibbard, JA Senal, SM Cox, SC Blackman, L Karl, RA Thisted) *Anesthesia & Analgesia*, **85** (1997) 600–606.
- [63] “Results of radical prostatectomy in men with locally advanced prostate cancer: multi-institutional pooled analysis.” (Gerber GS, Thisted RA, Chodak GW, Schroder FH, Frohmuller HG, Scardino PT, Paulson DF, Middleton AW Jr, Rukstalis DB, Smith JA Jr, Ohori M, Theiss M, Schellhammer PF) *European Urology*. **32**(4), (1997) 385–390.
- [64] “SPECT brain imaging in epilepsy: a meta-analysis.” (Devous MD Sr, Thisted RA, Morgan GF, Leroy RF, Rowe CC) *Journal of Nuclear Medicine*, **39**(2), (1998) 285–293.
- [65] “Computer Architecture,” *Encyclopedia of Biostatistics*, Wiley: New York. (1998).
- [66] “Is geographic variation in hip fracture rates related to current or former state of residence?” (DS Lauderdale, RA Thisted, J Goldberg) *Epidemiology*, **9**(5), (1998) 574–577.
- [67] “Tryptase levels are not increased during vancomycin-induced anaphylactoid reactions” (CL Renz, D Laroche, JD Thurn, HA Finn, JP Lynch, R Thisted, J Moss) *Anesthesiology*, **89**, (1998) 620–625.
- [68] “Clinical trials in general surgical journals: are methods better reported?” (LP Schumm, JS Fisher, RA Thisted, J Olak) *Surgery*, **125**(1), (1999) 41–45.
- [69] “Comparing methods of clinical measurement: Reporting standards for Bland and Altman analysis” (S Mantha, MF Roizen, LA Fleischer, R Thisted, J Foss) *Anesthesia & Analgesia*, **90** (2000) 593–602.
- [70] “New scoring system identifies kidney outcome with radiation therapy in acute renal allograft rejection” (Chen LM, Godinez J, Thisted RA, Woodle ES, Thistlewaite JR, Powers C, Haraf D) *Int J Radiat Oncol Biol Phys*, **46**(4) (2000) 999–1003.
- [71] “A meta-analysis and overview of the literature on treatment options for left-sided ulcerative colitis and ulcerative proctitis” (Cohen RD, Woseth DM, Thisted RA, Hanauer SB) *Am J Gastroenterol*, **95**(5) (2000) 1263–76.
- [72] “The impact of contralateral breast cancer on the outcome of breast cancer patients treated with mastectomy,” (I Abdalla, R Thisted, R Heimann) *Cancer J Sci Am*, **6**(4) (2000) 266–72.
- [73] “SPECT perfusion imaging in the diagnosis of Alzheimer’s disease: A clinical-pathologic study,” (W Jagust, R Thisted, MD Devous, Sr., R Van Heertum, H Mayberg, K Jobst, AD Smith, N Borys), *Neurology*, **56**(7), (2001), 950–6.

- [74] “Clinical efficacy of topical docosanol 10% cream for herpes simplex labialis: A multicenter, randomized, placebo-controlled trial,” (SL Sacks, RA Thisted, TM Jones, RA Barbarash, DJ Mikolich, GE Ruoff, JL Jorizzo, LB Gunnill, DH Katz, MH Khalil, PR Morrow, GJ Yakatan, LE Pope, JE Berg), *J Am Acad Dermatol*, **45**(2), (2001), 222–30.
- [75] “BIS monitoring to prevent awareness during general anesthesia,” (MF O’Connor, SM Daves, A Tung, RI Cook, R Thisted, J Apfelbaum), *Anesthesiology*, **94**(3), (2001), 520–2.
- [76] “Impact of Interpreter Services on Delivery of Health Care to Limited-English-proficient Patients,” (E Jacobs, DS Lauderdale, D Meltzer, J Shorey, W Levinson R Thisted) *JGIM*, **16** (2001) 468–74.
- [77] “Bone mineral density and fracture among prevalent kidney stone cases in the Third National Health and Nutrition Examination Survey,” (DS Lauderdale, RA Thisted, M Wen, MJ Favus), *Journal of Bone Mineral Research*, **16**(10), (2001), 1893–8.
- [78] “The effects of morphine on human articular cartilage of the knee: an in vitro study,” (JW Jaureguito, JF Wilcox, RA Thisted, C Phillips, B Cunningham, B Reider), *Arthroscopy*, **18**(6), (2002), 631–6.
- [79] “Are There Social Determinants of Health?” (RA Thisted), *Perspectives in Biology and Medicine*, **46**(3 Suppl), (2003 Summer), S65–S73.
- [80] “Exercise Capacity and the Risk of Death in Women: The St James Women Take Heart Project,” (M Gulati, DK Pandey, MF Arnsdorf, DS Lauderdale, RA Thisted, RH Wicklund, AJ Al-Hani, HR Black), *Circulation* **108**(13), (2003), 1554–9.
- [81] “Causes and Consequences of Kidney Loss in Patients with Nephrolithiasis,” (E Worcester, JH Parks, MA Josephson, RA Thisted, FL Coe), *Kidney International*, **64**(6), (2003), 2204–13.
- [82] “Postoperative Maintenance of Crohns Disease Remission With 6-Mercaptopurine, Mesalamine, or Placebo: A 2-Year Trial,” (SB Hanauer, BI Korelitz, P Rutgeerts, MA Peppercorn, RA Thisted, RD Cohen, DH Present). *Gastroenterology*, **127**, (2004), 723–729.
- [83] “Treatment of Pseudobulbar Affect in ALS with Dextromethorphan/Quinidine: A Randomized Trial,” (BR Brooks, RA Thisted, SH Appel, WG Bradley, RK Olney, JE Berg, LE Pope, RA Smith), *Neurology*, **63**, (2004), 1364–1370.
- [84] “Measuring Pseudobulbar Affect in ALS,” (RA Smith, JE Berg, LE Pope, RA Thisted), *Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders*, Sep;5 Suppl 1: (2004) 99–102.
- [85] “Validation of the CNS Emotional Lability Scale for pseudobulbar affect (pathological laughing and crying) in multiple sclerosis patients,” (RA Smith, JE Berg, LE Pope, JD Callahan, D Wynn, RA Thisted), *Multiple Sclerosis*, **10**, (2004), 679–685.
- [86] “The Effect of Physician Disclosure of Financial Incentives on Trust,” (W Levinson, A Kao, AM Kuby, RA Thisted), *Archives of Internal Medicine*, **165**(6): 625–630, (2005).
- [87] “Distinct temporal phases in the behavioral pharmacology of LSD: dopamine D₂ receptor-mediated effects in the rat and implications for psychosis,” (D Marona-Lewicka, RA Thisted, DE Nichols), *Psychopharmacology* (Berl), **180**: 427–435, (2005).
- [88] “The Prognostic Value of a Nomogram for Exercise Capacity in Women,” (M Gulati, HR Black, LJ Shaw, MF Arnsdorf, CNB Merz, MS Lauer, TH Marwick, DK Pandey, RH Wicklund, RA Thisted), *New England Journal of Medicine*, **353**(5): 468–475, (2005).
- [89] “Prognostic Value of the Duke Treadmill Score in Asymptomatic Women,” (M Gulati, MF Arnsdorf, LJ Shaw, DK Pandey, RA Thisted, D Lauderdale, R Wicklund, AJ Al-Hani, HR Black), *American Journal of Cardiology*, **96**: 369–375, (2005).
- [90] “Not All Patients Want to Participate in Decision-Making. A National Study of Public Preferences,” (W Levinson, A Kao, A Kuby, RA Thisted), *Journal of General Internal Medicine*, **20**(6): 531–535, (2005).
- [91] “Breastfeeding history and overweight in Latino preschoolers,” (M Kersey, R Lipton, M Sanchez-Rosado, J Kumar, R Thisted, J Lantos), *Ambulatory Pediatrics*, **5**(6): 355–358, (2005).
- [92] “Randomized Controlled Trial of Dextromethorphan/Quinidine for Pseudobulbar Affect in Multiple Sclerosis,” (H Panitch, R Thisted, R Smith, L Pope, J Berg), *Annals of Neurology*, **59**: 780–787, (2006).

- [93] “Loneliness as a specific risk factor for depressive symptoms in older adults: Cross-sectional and longitudinal analyses,” (JT Cacioppo, ME Hughes, LJ Waite, LC Hawkley, R Thisted), *Psychology and Aging*, **21(1)**: 140–151, (2006).
- [94] “Dextromethorphan and Quinidine in Adult Patients With Uncontrolled Painful Diabetic Peripheral Neuropathy: A 29-Day, Multicenter, Open-Label, Dose-Escalation Study,” (RA Thisted, L Klaff, SL Schwartz, JP Wymer, NW Culligan, G Gerard, LE Pope, JE Berg), *Clinical Therapeutics*, **28**: 1607–1618, (2006).
- [95] “From social structural factors to perceptions of relationship quality and loneliness: The Chicago Health, Aging, and Social Relations Study,” (LC Hawkley, ME Hughes, LJ Waite, CM Masi, RA Thisted, JT Cacioppo), *J Gerontol B Psychol Sci Soc Sci.*, **63(6)**: S375–S384, (2008). [PMCID: PMC2769562.]
- [96] “Loneliness predicts reduced physical activity: Cross-sectional & longitudinal analyses,” (LC Hawkley, RA Thisted, JT Cacioppo), *Health Psychology*, **28(3)**: 354–63, (2009).[PMCID: PMC2791498.]
- [97] “VLDL best predicts aortic root atherosclerosis in LDL receptor deficient mice,” (PA Vanderlaan, CA Reardon, RA Thisted, GS Getz), *J Lipid Res.*, **50(3)**: 376–85, (2009). [PMCID: PMC2638101.]
- [98] “Perceived social isolation makes me sad: 5-year cross-lagged analyses of loneliness and depressive symptomatology in the Chicago Health, Aging, and Social Relations Study,” (JT Cacioppo, LC Hawkley, RA Thisted), *Psychology and Aging*, in press, (2009). [PMCID: PMC Journal–In Process.]
- [99] “Loneliness predicts increased blood pressure: Five-year cross-lagged analyses in middle-aged and older adults,” (LC Hawkley, RA Thisted, CM Masi, JT Cacioppo), *Psychology and Aging*, **25(1)**: 132–141, (2010). [PMCID: PMC Journal–In Process.]
- [100] “The absorption hypothesis: learning to hear God in evangelical Christianity,” (TM Luhrmann, H Nusbaum, R Thisted), *American Anthropologist*, **112(1)**: 66–78, (2010).

Computer Software and Data Bases

- [101] *The Literary Detective* (SA Kurtz, RA Thisted). Version 0.14. Computer software for Macintosh computers. The University of Chicago: Chicago, Illinois. 1989.
- [102] *Current Index to Statistics/Extended Database, 1993 Edition*. (BE Trumbo, RA Thisted, Eds). Bibliographic database of the statistical literature on CD-ROM. American Statistical Association and Institute of Mathematical Statistics. 1993.
- [103] *Current Index to Statistics/Extended Database, 1994 Edition*. (RA Thisted, Editor; B Trumbo, M Wichura, Eds). *CD-ROM*. American Statistical Association and Institute of Mathematical Statistics. 1994.
- [104] *Current Index to Statistics/Extended Database, 1995 Edition*. (RA Thisted, Michael Wichura, Eds). *CD-ROM*. American Statistical Association and Institute of Mathematical Statistics. 1995.
- [105] *Current Index to Statistics/Extended Database, 1996 Edition*. (Michael Wichura, Ronald Thisted, Klaus Hinkelmann, Eds). *CD-ROM*. American Statistical Association and Institute of Mathematical Statistics. 1996.
- [106] *Current Index to Statistics/Extended Database, 1997 Edition*. (Michael Wichura, Ronald Thisted, Klaus Hinkelmann, Eds). *CD-ROM*. American Statistical Association and Institute of Mathematical Statistics. 1997.
- [107] *Current Index to Statistics/Extended Database, Release 7*. (Michael Wichura, Ronald Thisted, Klaus Hinkelmann, Eds). *CD-ROM*. American Statistical Association and Institute of Mathematical Statistics. 1998.
- [108] *Current Index to Statistics/Extended Database, Release 8*. (Michael Wichura, Ronald Thisted, Klaus Hinkelmann, Eds). *CD-ROM*. American Statistical Association and Institute of Mathematical Statistics. 2000.

Book Chapters, Comments, Reviews, and Other Publications

- [109] Comment on “A Simulation Study of Alternatives to Ordinary Least Squares,” by Dempster, Schatzoff, and Wermuth, *Journal of the American Statistical Association*, **72**, (1977), 77–106.
- [110] *Operations Research: Principles and Practice*, by Phillips, Ravindran, and Solbert. (Book Review) *Journal of the American Statistical Association*, **72**, (1977), 692–693.
- [111] *Statistical Methods for Digital Computers*, by Enslein, Ralston, and Wilf. (Book review) *Computing Reviews*, **20**, (1979), 309–312.
- [112] Comment on “A Critique of Some Ridge Regression Methods,” by Smith and Campbell, *Journal of the American Statistical Association*, **75**, (1980), 81–86.
- [113] “The Effect of Personal Computers on Statistical Practice”. *Computer Science and Statistics: Thirteenth Symposium on the Interface*, W. F. Eddy, ed. (1981), 25–30.
- [114] “Decision-Theoretic Regression Diagnostics.” *Statistical Decision Theory and Related Topics III*, **2** (1982), S. S. Gupta and J. Berger, eds. Academic Press: New York, 363–382.
- [115] “A Remark on AS 127: Generation of Random Orthogonal Matrices” (M Tanner, R Thisted). *Applied Statistics*, **31**, (1982), 190–192.
- [116] “Treatment of Depression,” (Letter) *Journal of the American Medical Association*, **249:18**, (1983), 2457–2458.
- [117] “An Appraisal of Statistical Graphics,” in *Statistics: An Appraisal*, H. A. David and H. T. David, eds., Iowa State University Press, (1984), 605–624.
- [118] *Statistical Software: A Comparative Review*, by Ivor Francis. (Book Review) *SIAM Review*, **26**, (1984), 294–297.
- [119] “Hacking Away at Morality,” (Letter) *Communications of the ACM*, **27**, (1984), 8. [“Privacy” should read “piracy.” Editorial correction, **27**, (1984), 176.]
- [120] “The Use of Computers in Statistical Research,” (WF Eddy, PJ Huber, DE McClure, DS Moore, W Stuetzle, R Thisted). Report of an Institute of Mathematical Statistics Panel. (1986).
- [121] “Knowledge Representation For Expert Data Analysis Systems,” in *Computer Science and Statistics: 17th Symposium on the Interface*, DM Allen, ed. North-Holland (1986), 43–48.
- [122] “Representing Statistical Knowledge and Search Strategies for Expert Data Analysis Systems,” Chapter 11 in *Artificial Intelligence and Statistics*, William A. Gale, editor. (1986) Addison-Wesley: Reading, Massachusetts. 267–284.
- [123] “Tools for Data Analysis Management,” in *Computer Science and Statistics: Eighteenth Symposium on the Interface*, Thomas Boardman, Editor. (1986) American Statistical Association: Washington, 152–159.
- [124] “Sources of Error in Graphical Perception: A Critique and an Experiment” (M Morris, R Thisted). *Proceedings of the Section on Statistical Graphics*. (1986). American Statistical Association: Washington, 43–48.
- [125] *Elements of Graphing Data*, by William S. Cleveland. (Book review) *Computing Reviews*, (1986), 179–180.
- [126] Comment on “Collinearity and least squares regression,” by G. W. Stewart, *Statistical Science* **2**, (1987), 91–93.
- [127] *Statistical Image Processing and Graphics*, Edward J. Wegman and Douglas J. DePriest, editors. (Book review) *Technometrics* **30**, (1988), 126–127.
- [128] *Graphical Exploratory Data Analysis*, by S. H. C. du Toit, A. G. W. Steyn, and R. H. Stumpf. (Book review) *Journal of the American Statistical Association*, **84**, (1989), 614.
- [129] “Distribution of Editorial-Board Membership for Statistics Journals,” (Letter) *The American Statistician*, **45**, (1991), 170–171.
- [130] *Linear Least Squares Computations*, by R. W. Farebrother. (Book review) *Technometrics*, **33**, (1991), 368–369.
- [131] “Complications of Patients Undergoing Lumbar Discectomy in Community Hospitals,” (L Ramirez, R Thisted). chapter in *Complications of Spinal Surgery*, Edward Tarlov, ed., American Association of Neurological Surgeons: Park Ridge, (1991).

- [132] “Computers and Modern Statistics,” (RA Thisted, PF Velleman). Chapter 3 in *Perspectives on Contemporary Statistics*, David Hoaglin and David F. Moore, eds. Mathematical Association of America: Washington. (1992).
- [133] “Interdisciplinary Statistics Education.” In *Modern Interdisciplinary University Statistics Education: Proceedings of a Symposium*, Committee on Applied and Theoretical Statistics, National Research Council (1994), 110–116.
- [134] *Artificial Intelligence Frontiers in Statistics*, D. J. Hand, editor. (Book review) *Journal of the American Statistical Association*, **89**, (1994), 719–720.
- [135] “Incidence of postdural puncture headache in morbidly obese parturients [letter],” (E Faure, R Moreno, R Thisted). *Regional Anesthesia*, **19**(5), (1994), 361–363.
- [136] “On ‘Smoking is not a predictor of mortality and morbidity following coronary artery bypass grafting’ by JR Utley, et al.” (Invited Commentary) (J Olak, R Thisted) *Journal of Cardiac Surgery*, **11**, (1996) 385–6.
- [137] “Re: Long-term survival and mortality in prostate cancer treated with noncurative intent [letter; comment],” (GW Chodak, RA Thisted), *Journal of Urology*, **155**(6), (1996), 2039; discussion 2039–41.
- [138] Comment on “The Gaussian Hare and the Laplacian Tortoise: Computability of Squared-Error versus Absolute-Error Estimators,” by Stephen Portnoy and Roger Koenker, *Statistical Science*, **12**, (1997), 296–298.
- [139] “6-Mercaptopurine and Mesalamine for prevention of relapse after conservative surgery for Crohn’s Disease,” [Reply to Letter] (SB Hanauer, R Cohen, RA Thisted, P Rutgeerts, DH Present, BI Korelitz), *Gastroenterology*, **128**(1), (2005), 249–251.
- [140] “Treatment of Crohn’s disease: the ‘Long’ of it,” [Editorial] (SB Hanauer, RA Thisted), *Gastroenterology*, **128**(7), (2005), 2164–6.
- [141] “Baseline Adjustment: Issues for Mixed-Effect Regression Models in Clinical Trials,” *ASA Proceedings of the Joint Statistical Meetings*, 386–391. American Statistical Association (Alexandria, VA). (2006).
- [142] “Happiness and the invisible threads of social connection: The Chicago Health, Aging, and Social Relations Study.” (JT Cacioppo, LC Hawkey, A Kalil, ME Hughes, L Waite, RA Thisted). Chapter 10 in *The Science of Subjective Well-Being*, Michael Eid and Randy J. Larsen, eds. Guilford Press: New York. (2008), 195–219.
- [143] “Multilevel investigations: Conceptual mappings and perspectives.” (JT Cacioppo, GG Berntson, RA Thisted). Chapter 17 in *Biosocial Surveys*, Committee on Advances in Collecting and Utilizing Biological Indicators and Genetic Information in Social Science Surveys. M Wienstein, JW Vaupel, and KW Wachter, eds. The National Academy Press: Washington, DC (2008), 367–380.

Selected Grants and Contracts

5K30 HL04093-02 Coe, F. (PI) 6/1/99–9/27/07 (NIH)

Clinical Research Training Program

Roles: Program Co-Director, Seminar Director

UL1 RR024999 Solway, J. (PI) 9/28/07–present (NIH)

Clinical and Translational Science Award

Roles: Population Sciences Cluster Director, Clinical Research Training Program Co-Director

P01 AG18911 Cacioppo, J. (PI) 7/1/01–6/30/06 (NIH)

Social Isolation, Health and the Aging Process; Biostatistical Core B

Role: Director, Biostatistics Core

2 P30 CA14599-28 Le Beau, M. (PI) 4/1/02–present (NIH/NCI)

UCCRC-Cancer Center Support Grant; Subproject: Biostatistics Facility

Role: Scientific Director of Biostatistics, Executive Committee of Cancer Center

U01 DK62429 Cho, J (PI) 9/30/02–present (NIH/NIDDK)
IBD Genetics Consortium Data Coordinating Center
Role: Co-Investigator, Data Management Core

R01 NS40229 Frank (PI) 9/18/99–6/30/03 (NIH)
Hemicraniectomy for Swelling from Cerebral Infarction
Role: Director, Data Coordinating Center

Cassell, C. (PI) 7/1/93–6/30/95
Thisted, R. (PI) 7/1/95–6/30/98
Levinson, W. (PI) 7/1/98–6/30/01
Lantos, J. (PI) 7/1/02–6/30/06 (Robert Wood Johnson Foundation)
Clinical Scholars Program
Role: Co-PI to 1998, Co-Director to 1999; Core-Faculty; Advisory Board

Teaching

Recent Courses

- 2010 Health Studies 327: Biostatistical Methods
 - Seminar in Clinical Research Methods (30 weeks)
 - Medicine 777: Advanced Clinical Pharmacology (Lecture: Pharmacoepidemiology)
- 2009 Health Studies 327: Biostatistical Methods
 - Seminar in Clinical Research Methods (30 weeks)
 - Medicine 777: Advanced Clinical Pharmacology (Lecture: Pharmacoepidemiology)
 - Family Medicine 304: Epidemiology and Clinical Investigation (Lecture: Screening Tests)
- 2008 Health Studies 327: Biostatistical Methods
 - Seminar in Clinical Research Methods (30 weeks)
 - Statistics 307/Computer Science 378: Numerical Computation
- 2007 Health Studies 327: Biostatistical Methods
 - Seminar in Clinical Research Methods (30 weeks)
 - Medicine 777: Advanced Clinical Pharmacology (Lecture: Pharmacoepidemiology)
 - Statistics 307/Computer Science 378: Numerical Computation
- 2006 Health Studies 327: Biostatistical Methods
 - Seminar in Clinical Research Methods (30 weeks)
 - Medicine 777: Advanced Clinical Pharmacology (Lecture: Pharmacoepidemiology)
- 2005 Statistics 307: Numerical Computation
 - Seminar in Clinical Research Methods (30 weeks)
- 2004 Health Studies 327: Biostatistical Methods
 - Health Studies 541: Epidemiology and Clinical Investigation
(Lecture: Chronic Disease Epidemiology)
 - Medicine 777: Advanced Clinical Pharmacology (Lecture: Pharmacoepidemiology)
 - Medicine 603: Critical Appraisal of Medical Literature (Lecture: Statistical issues)
 - Seminar in Clinical Research Methods (30 weeks)
- 2003 Health Studies 541: Epidemiology and Clinical Investigation
 - Health Studies 327: Biostatistical Methods
 - Medicine 777: Advanced Clinical Pharmacology (Lecture on Pharmacoepidemiology)
 - Medicine 603: Critical Appraisal of Medical Literature (Lecture: Statistical issues)
 - Seminar in Clinical Research Methods (30 weeks)

University Committees

Current appointments:

Executive Committee, Division of Biological Sciences, 2000–.
Executive Committee, Clinical Research Training Program, 1999–.
Committee of Basic Science Chairs, Biological Sciences Division, 1999–.
University of Chicago Medical Center, Budget Oversight Committee, 2007–.
Executive Committee, Institute of Translational Medicine (CTSA), 2007–.
Executive Committee, Center for Cognitive and Social Neuroscience, 2007–.
Research Advisory Committee, Chicago Biomedicine, 2010–.

Previous appointments (since 1989):

ad hoc Faculty Science Review Committee, 2009.
Committee of Clinical Chairs, Biological Sciences Division, 1999–2006.
Executive Committee, University of Chicago Cancer Research Center, 2000–2005.
Advisory Committee, Robert Wood Johnson Clinical Scholars Program, 1999–2006.
Search Committee (Chair), Chairman of Department of Psychiatry, 2003–2004.
Committee to Review Appointments and Promotions, 2003–2004.
Tenure and Tracks Committee, 2003–2004.
Committee to Advise the Provost on Federal Wide Assurance (Chair), 2003.
Research Aims Committee, Division of Biological Sciences, 2002–2003.
Search Committee, Chairman of Department of Obstetrics & Gynecology, 2000–2003.
Faculty Committee to Advise the President on the Dean of the Biological Sciences Division, 2001–2002.
Search Committee, Chairman of Department of Family Medicine, 2000–2002.
Provost's Committee on Medical Informatics, 2000–2001.
Clinical Translational Advisory Group, Biological Sciences Division, 1999–2001.
Co-chair, Committee on Law and Medicine, BSD and Law School, 1999–2000.
Working Group on Clinical Data Sharing, 1999–2001.
Executive Committee, Department of Anesthesia & Critical Care, 1994–1998.
Institutional Review Board, Division of Biological Sciences, 1983–1986, 1987–1997.
Faculty Campus Planning Committee, 1993–1996.
College Curriculum Committee, 1990–1996.
Board of Computing Activities and Services 1981–1986, 1991–1994.
Physical Sciences Division, Space/Facilities Committee, 1992–1994.
Committee on Family Practice (BSD), 1993.
Provost's Committee on Health Studies, 1993.
Health Studies Committee (BSD), 1991–1992.
College Council, 1979–1982, 1983–1986, 1989–1992.

Refereeing, 2005–

Annals of Statistics, Regulatory Pharmacology and Toxicology,
Journal of Clinical Oncology, Journal of Surgical Research,
Neuropsychopharmacology, Perspectives in Biology and Medicine,
Statistics in Medicine
NIH, Center for Scientific Review (Surgery, Anesthesiology and Trauma study section)
NIH, Center for Scientific Review (Challenge Grant Editorial Panel HDM-P)
NSF, Division of Mathematical Sciences