

## **JAMES S. HODGES**

### **EDUCATION**

Ph.D., Statistics, 1985, University of Minnesota, Twin Cities, Thesis title: “Methods for Assessing the Accuracy of Some Standard Approximations,” advisor: Seymour Geisser

M.A., Public Affairs, 1986, University of Minnesota, Twin Cities

B.Math., 1979, University of Waterloo, Waterloo, Ontario, Canada

### **PROFESSIONAL EXPERIENCE**

2022 Visiting Professor, Institute of Epidemiology and Preventive Medicine, College of Public Health, National Taiwan University, Taipei, Taiwan

2016-present – Full Professor (non-tenure track), Division of Biostatistics, School of Public Health, University of Minnesota, Minneapolis, Minnesota

2009-2019 – Faculty Statistician, Biostatistical Design & Analysis Center, Academic Health Center, University of Minnesota, Minneapolis, Minnesota

2007-2010 – Statistician, Minneapolis Heart Institute Foundation, Minneapolis, Minnesota

2006-2015 – Associate Professor (non-tenure track), Division of Biostatistics, School of Public Health, University of Minnesota, Minneapolis, Minnesota

2004-2008 – WOC Statistician, Center for Chronic Disease Outcomes Research, Minneapolis Veterans’ Affairs Medical Center, Minneapolis, Minnesota

1999-2003 – Associate Member, Graduate Faculty, Clinical Research Program, Division of Epidemiology, School of Public Health, University of Minnesota, Minneapolis, Minnesota

1996-2007 – Director, Biostatistics Core, Minnesota Oral Health Clinical Research Center, School of Dentistry, University of Minnesota

1996-present – Full Member, Graduate Faculty, Division of Biostatistics, School of Public Health, University of Minnesota, Minneapolis, Minnesota

1993-1996 – Associate Member, Graduate Faculty, Division of Biostatistics, School of Public Health, University of Minnesota, Minneapolis, Minnesota

1993-1996 – Senior Statistician, Community Programs for Clinical Research on AIDS (CPCRA)

1993-2006 – Senior Research Associate, Division of Biostatistics, School of Public Health, University of Minnesota, Minneapolis, Minnesota

1986-1988 – Research Associate, Point Reyes Bird Observatory, Stinson Beach, California

1986-1988 – Director, Combat Analysis Laboratory, RAND Corporation, Santa Monica, California

1985-1993 – Statistician, RAND Corporation, Santa Monica, California

1983-1984 – Governor’s Intern, Department of Finance, State of Minnesota, St. Paul, Minnesota

1983 – Consultant, Department of Economics, The RAND Corporation, Santa Monica, California

1982-1983 – Consultant, Statistical Clinic, University of Minnesota, Minneapolis, Minnesota

### **CONSULTING EXPERIENCE**

2000 Summit Health Group, St. Paul, Minnesota

1998-2000 HealthPartners, Minneapolis, Minnesota

1998-1999 Milward Brown Interactive, Santa Clara, California

1996 Institute for Healthcare Quality, Minneapolis, Minnesota  
1995-2004 Veterans Administration Medical Center, Minneapolis, Minnesota  
1995, 1996, 2003 Hennepin County Medical Center, Minneapolis, Minnesota  
1994 U.S. Environmental Protection Agency  
1993-2003 RAND Corporation, Santa Monica, California  
1993 U.S. Department of Energy  
1990, 1992 A&N Technical Services, Santa Monica, California  
1988, 1990, 1995 AT&T Bell Laboratories, Murray Hill, New Jersey

## **FELLOWSHIPS and AWARDS**

Dick Wittink Award for the best paper published in *Quantitative Marketing and Economics*, 2019, for Kalyanam K, McAteer J, Marek J, Hodges J, Lin L, *QME* 2017.

School of Public Health, University of Minnesota, Excellence in Advising Award, 2016.

American Academy of Periodontology, Clinical Research Award, 2007.

Fellow of the American Statistical Association, 2003.

Finalist for the Paul Green Award, given by the *Journal of Marketing Research*, 1997, for Putler DS, Kalyanam K, Hodges JS, *JMR* 1996

University of Minnesota Graduate School Doctoral Dissertation Fellowship, 1984

University of Minnesota Graduate School Entrance Fellowship, 1981

## **GRANTS**

As PI or co-PI:

- Director, Data & Coordinating Center (DCC) for the Clinical Registry of Dental Outcomes in Head and Neck Cancer Patients (OraRad) Study (sponsored by NIDCR, PIs: M. Brennan, R. Lalla).
- Director, Data & Coordinating Center (DCC) for the Obstetrics and Periodontal Therapy (OPT) Study (sponsored by NIDCR, PI: B. Michalowicz).
- “Bayesian Statistics in Science and Technology: Case Studies” (a workshop) National Science Foundation 1990, 1992, 1994; Nuclear Regulatory Commission 1990, 1994; Army Research Office 1990, 1992; National Institutes of Health 1992 (R. Kass, PI; C. Gatsonis, J. Hodges, N. Singpurwalla, Co-PI’s).

In other roles:

- Too numerous to list.

## **PROFESSIONAL ORGANIZATIONS**

Biometric Society, Eastern North American Region, 1993-present

American Statistical Association, 1983-present

American/International Association for Dental Research, 1998-2006

Military Operations Research Society, 1990-1993

Institute for Mathematical Statistics, 1983-1997

## PUBLICATIONS

### Articles: Statistical Methods

1. Hodges JS. "Assessing the accuracy of normal approximations", *Journal of the American Statistical Association*, Vol. 82, 149-154, 1987.
2. Hodges JS. "Uncertainty, policy analysis, and statistics (with discussion)", *Statistical Science*, Vol. 2, 259-291, 1987.
3. Hodges JS. "Can/may Bayesians do pure tests of significance?" in *Bayesian and Likelihood Methods in Statistics and Econometrics: Essays in Honor of George A. Barnard*, edited by S Geisser, JS Hodges, SJ Press, and A Zellner. North-Holland/American Elsevier, New York, 1990.
4. Hodges JS. "Six (or so) things you can do with a bad model", *Operations Research*, Vol. 39, 355-365, 1991.
5. Hodges JS. "Who knows what alternative lurks in the hearts of significance tests? (with discussion)", *Bayesian Statistics 4*, eds. JO Berger, JM Bernardo, D V Lindley, AFM Smith, University Press, Valencia, Spain, 247-266, 1992.
6. Draper DC, Hodges JS, Mallows CL, Pregibon D, "Exchangeability and data analysis (with discussion)", *Journal of the Royal Statistical Society, Series A*, Vol. 156, 9-37, 1993.
7. Hodges JS. "Analytical use of data from Army training exercises: A case study of tactical reconnaissance", *Journal of the American Statistical Association*, Vol. 89, 444-451, 1994.
8. Hodges JS. "The effect of partial-ordering utilities on Bayesian design of sequential experiments", In *Bayesian Analysis in Statistics and Econometrics: Essays in Honor of Arnold Zellner*, eds. DA Berry, KM Chaloner, JK Geweke, New York: Wiley, 515-525, 1996.
9. Hodges JS. "Statistical practice as argumentation: A sketch of a theory of applied statistics", in *Modeling and Prediction Honoring Seymour Geisser*, eds. JC Lee, A Zellner, and WO Johnson, New York: Springer-Verlag, 19-45, 1996.
10. Putler DS, Kalyanam K, Hodges JS. "A Bayesian approach for estimating target market potential with limited information", *Journal of Marketing Research*, Vol. 33, 134-149, 1996.
11. Bjorling LE, Hodges JS. "Rule-based ranking schemes for antiretroviral trials", *Statistics in Medicine*, Vol. 16, 1175-1191, 1997.
12. Hodges JS, Kalyanam K, Putler DS. "Estimating the cells of a contingency table with limited information, for use in geodemographic marketing," in *Case Studies in Bayesian Statistics, Volume III*, eds. C Gatsonis, JS Hodges, RE Kass, RE McCulloch, P Rossi, and ND Singpurwalla, Springer-Verlag, 347-370, 1997.
13. Hodges JS. "Some algebra and geometry for hierarchical models, applied to diagnostics (with discussion)", *Journal of the Royal Statistical Society, Series B*, 60:497-536, 1998.
14. Carlin BP, Hodges JS. "Hierarchical proportional-hazards regression models for highly stratified data", *Biometrics*, 55:1162-1170, 1999.
15. Johnson B, Carlin BP, Hodges JS. "Cross-study hierarchical modeling of stratified clinical trial data." *J. Biopharmaceutical Statistics*, 9:617-640, 1999.
16. Sargent DJ, Hodges JS, Carlin BP. "Structured Markov Chain Monte Carlo", *J. of Computational and Graphical Statistics* 9:217-234, 2000.

17. Adams JL, Hammitt JK, Hodges JS. "Periodicity in the global mean temperature series?" In Morton SC, Rolph JE, eds., *Public Policy and Statistics: Case Studies from RAND*. New York: Springer-Verlag, 75-93, 2000.
18. Hodges JS, Sargent DJ. "Counting degrees of freedom in hierarchical and other richly-parameterised models." *Biometrika*, 88:367-379, 2001.
19. Liu J, Hodges JS. "Posterior bimodality in the balanced one-way random effects model." *J. Royal Stat. Soc., Ser. B*, 65:247-255, 2003.
20. Hodges JS, Carlin BP, Fan Q. "On the precision of the conditionally autoregressive prior in spatial models." *Biometrics*, 59:317-322, 2003.
21. Haran M, Hodges JS, Carlin BP. "Accelerating computation in Markov random fields for spatial data via structured MCMC." *J. Computational and Graphical Statistics*, 12:249-264, 2003.
22. Hodges JS. "Are Quality Assessment Methods Any Good?" *J. Evidence-Based Dental Practice*, 4:24-31, 2004.
23. Liu X, Wall M, Hodges JS. "Generalized spatial structural equation models." *Biostatistics*, 6:539-57, 2005.
24. Reich BJ, Hodges JS, Carlin BP, Reich AM. "A spatial analysis of basketball shot chart data". *Amer. Stat.*, 60:3-12, 2006.
25. Reich BJ, Hodges JS, Zadnik V. "Effects of residual smoothing on the posterior of the fixed effects in disease-mapping models". *Biometrics*, 62:1197-1206, 2006.
26. Hodges JS, Cui Y, Sargent DJ, Carlin BP. "Smoothing Balanced Single-Error-Term Analysis of Variance". *Technometrics*, 49:12-25, 2007.
27. Reich BJ, Hodges JS, Carlin BP. "Spatial analyses of periodontal data using conditionally autoregressive priors having two types of neighbor relationships." *J. Amer. Stat. Assn.*, 102:44-55, 2007.
28. Lu H, Hodges JS, Carlin BP. "Measuring the complexity of generalized linear hierarchical models". *Can. J. Stat.*, 35:69-87, 2007.
29. He Y, Hodges JS, Carlin BP. "Re-considering the variance parameterization in multiple precision models". *Bayesian Anal.*, 2:529- 556, 2007.
30. He Y, Hodges JS. "Point estimates for variance-structure parameters in Bayesian analysis of hierarchical models", *Comp. Stat. Data Anal.*, 52:2560-2577, 2008.
31. Reich BJ, Hodges JS. "Identification of the variance components in the general two-variance linear model", *J. Stat. Plan. Inf.*, 138:1592- 1604, 2008.
32. Reich BJ, Hodges JS. "Modeling longitudinal spatial periodontal data: A spatially adaptive model with tools for specifying priors and checking fit". *Biometrics*, 64:790-799, 2008.
33. Zhang Y, Hodges JS, Banerjee S. "Smoothed ANOVA with spatial effects as a competitor to MCAR in multivariate spatial smoothing", *Ann Applied Stat*, 3(4):1805-1830, 2009
34. Cui Y, Hodges JS, Kong X, Carlin BP. "Partitioning degrees of freedom in hierarchical and other richly-parameterized models." *Technometrics*, 52:124-136, 2010.
35. Hodges JS, Reich BJ. "Adding spatially correlated errors can mess up the fixed effect you love." *The American Statistician*, 64:325-334, 2010.

36. Ren Q, Banerjee S, Finley AO, Hodges JS. “Variational Bayesian methods for spatial data analysis”. *Comp. Stat. Data Analysis*, 55:3197-3217, 2011
37. Lavine ML, Hodges JS. “On rigorous specification of ICAR models”. *The American Statistician*, 66:42-49, 2012.
38. Henn L, Hodges JS. “Multiple Local Maxima in Restricted Likelihoods and Posterior Distributions for Mixed Linear Models.” *International Statistical Review*, 82:90-105, 2104.
39. Eberly LE, Hodges JS, Savik K, Gurvich O, Bliss DZ, Mueller C. “Extending the Peters-Belson approach for assessing disparities to right censored time-to-event outcomes.” *Statistics in Medicine*, 32: 4006-4020, 2013.
40. Hatfield LA, Hodges JS, Carlin BP. “Joint models: When are treatment estimates improved?” *Statistics and Its Interface*, 7:439-453, 2014.
41. Luo LY, Hodges JS. “Block Constraints in Age-Period-Cohort Models with Unequal-Width Intervals”, *Sociological Methods and Research*, vol. 45, 4: pp. 700–726, 2016.
42. Lavine M, Bray A, Hodges J. “Approximately exact calculations for linear mixed models.” *Elec J Stat*, 9:2293–2323, 2015.
43. Zhao H, Hodges JS, Ma H, Jiang Q, Carlin BP. “Hierarchical Bayesian approaches for detecting inconsistency in network meta-analysis.” *Stat in Med*, 35(20):3524-36, 2016.
44. Lin L, Chu H, Hodges JS. “Sensitivity to Excluding Treatments in Network Meta-Analysis.” *Epidemiology*, 27(4):562-9, 2016.
45. Lin L, Chu H, Hodges JS. “Alternative Measures of Between-Study Heterogeneity in Meta-Analysis: Reducing the Impact of Outlying Studies.” *Biometrics*, 73(1):156-166, 2017.
46. Luo LY, Hodges JS, Winship C, Power D. “The Sensitivity of the Intrinsic Estimator to Coding Schemes: A Comment on Yang, Schulhofer-Wohl, Fu, and Land.” *American Journal of Sociology*, 122(3), 930–961, 2016.
47. Martinez-Beneito MA, Hodges JS, Marí-Dell’Olmo M. “Smoothed ANOVA modeling”. In *Handbook of Spatial Epidemiology*, eds. Lawson AB, Banerjee S, Haining RP, Ugarte MD, Boca Raton FL:Chapman & Hall/CRC, 595–607, 2016.
48. Zhao H, Hodges JS, Carlin BP. “Diagnostics for Generalized Linear Hierarchical Models in Network Meta-analysis”, *Research Synthesis Methods*, 8(3):333-342, 2017.
49. Lin L, Zhang J, Chu H, Hodges JS. “Performing Arm-Based Network Meta-Analysis in R with the pnetmeta Package.” *J Stat Software*, 80(5), doi: 10.18637/jss.v080.i05, 2017.
50. Goicoa T, Adin A, Ugarte MD, Hodges JS. “In spatio-temporal disease mapping models, identifiability constraints affect PQL and INLA results.” *Stochastic Environmental Research and Risk Assessment*, 32(3), 749-770, 2018.
51. Bose M, Hodges JS, Banerjee S. “Toward a diagnostic toolkit for linear models with Gaussian-process distributed random effects.” *Biometrics*, 74(3):863-873. doi: 10.1111/biom.12848. PMID: 29441529, 2018
52. Lian Q, Hodges JS, MacLehose R, Chu H. “A Bayesian approach for correcting exposure misclassification in meta-analysis.” *Statistics in Medicine* Jan 15;38(1):115-130. doi: 10.1002/sim.7969. PMID: 30251263, 2019

53. Lian Q, Hodges JS, Chu H. "A Bayesian Hierarchical Summary Receiver Operating Characteristic Model for Network Meta-analysis of Diagnostic Tests." *J. American Statistical Assn.*, *J. Am. Stat. Assn.*, 114(527):949-961. DOI: 10.1080/01621459.2018.1476239, 2019.
54. Zhou J, Hodges JS, Suri MFK, Chu H. "A Bayesian Hierarchical Model Estimating CACE in Meta-analysis of Randomized Clinical Trials with Noncompliance." *Biometrics*, 75(3):978-987. doi: 10.1111/biom.13028. PMID: 30690716, 2019
55. Luo LY, Hodges JS. "Constraints in random effects age-period-cohort models." *Sociological Methodology*, 50:276-317, 2020. DOI: 10.1177/0081175020903348
56. Lavine M, Hodges J. "Intuition for an Old Curiosity and an Implication for MCMC." *The American Statistician*, 75:1-6, 2021
57. Wang Z, Lin L, Hodges JS, MacLehose R, Chu H. "A variance shrinkage method improves arm-based Bayesian network meta-analysis." *Stat. Methods Med. Res.*, 30:151-165, 2021. doi: 10.1177/0962280220945731. PMID: 32757707
58. Lin L, Chu H, Hodges JS. "On evidence cycles in network meta-analysis." *Stat. Interface*, 13:425-436, 2020. doi: 10.4310/sii.2020.v13.n4.a1. PMID: 32742550
59. Wang Z, Lin L, Hodges JS, Chu H. "The impact of covariance priors on arm-based Bayesian network meta-analyses with binary outcomes." *Stat. in Med.*, 39:2883-2900, 2020. doi: 10.1002/sim.8580. PMID: 32495349
60. Luo LY, Hodges JS. "The Age-Period-Cohort-Interaction Model for Describing and Investigating Inter-cohort Deviations and Intra-cohort Life-course Dynamics." *Sociological Methods & Research*, to appear. DOI: 10.1177/0049124119882451.
61. Xiao M, Lin L, Hodges JS, Xu C, Chu H. "Double-zero-event studies matter: A re-evaluation of physical distancing, face masks, and eye protection for preventing person-to-person transmission of COVID-19 and its policy impact." *Clin. Epidemiol.*, 2021 Feb 2:S0895-4356(21)00032-9. doi: 10.1016/j.jclinepi.2021.01.021. PMID: 33539929
62. Wang Z, Lin L, Murray T, Hodges JS, Chu H. "Bridging randomized controlled trials and single-arm trials using commensurate priors in arm-based network meta-analysis", *Annals of Applied Statistics*, 2021, Vol. 15, No. 4, 1767-1787, doi:10.1214/21-AOAS1469
63. Zhou J, Hodges JS, Chu H. "A Bayesian Hierarchical CACE Model Accounting for Incomplete Noncompliance With Application to a Meta-analysis of Epidural Analgesia on Cesarean Section." *J. American Statistical Assn.*, 116(536), pp. 1700-1712
64. Rott, K.W., Lin, L., Hodges, J.S., Siegel, L., Shi, A., Chen, Y., Chu, H. "Bayesian meta-analysis using SAS PROC BGLIMM." (2021) *Research Synthesis Methods*, 12 (6), pp. 692-700.
65. Zhou, T., Zhou, J., Hodges, J.S., Lin, L., Chen, Y., Cole, S.R., Chu, H. "Estimating the Complier Average Causal Effect in a Meta-Analysis of Randomized Clinical Trials With Binary Outcomes Accounting for Noncompliance: A Generalized Linear Latent and Mixed Model Approach." (2022) *American Journal of Epidemiology*, 191 (1), pp. 220-229.
66. Adin A, Goicoa T, Hodges JS, Schnell P, Ugarte MD. "Alleviating confounding in spatio-temporal areal models with an application on crimes against women in India." *Statistical Modelling*, to appear, doi: 10.1177/1471082X211015452
67. Datta A, Banerjee S, Hodges JS, Gao L. "Spatial disease mapping using directed acyclic graph auto-regressive (DAGAR) models." *Bayesian Analysis*, 2019 Dec;14(4):1221-1244. doi: 10.1214/19-ba1177. Epub 2019 Oct 3. PMID: 33859772

68. Lian, Q., Zhang, J., Hodges, J.S., Chen, Y., Chu, H. "Accounting for post-randomization variables in meta-analysis: A joint meta-regression approach." (2021) *Biometrics*. Article in Press.

#### Articles: Collaborative Papers

1. Baker DW, Jones R, Hodges JS, Massie BM, Konstam MA, Rose EA. "Management of heart failure: The role of revascularization in the treatment of patients with moderate or severe left ventricular dysfunction", *J. American Medical Assn.*, Vol. 292 (19), 1528-1535, 1994.
2. Saravolatz LD, Winslow DL, Collins G, Hodges JS, Pettinelli C, Stein DS, Markowitz N, Reves R, Loveless MO, Crane L, Thompson M, Abrams DI, and the Terry Beirn Community Programs for Clinical Research on AIDS. "A comparison of zidovudine alone or in combination with didanosine or zalcitabine in HIV- infected patients with AIDS or fewer than 200 CD4-positive cells per cubic millimeter", *New England J. Medicine*, Vol. 335, 1099-1106, 1996.
3. Hadorn DC, Baker D, Hodges JS, Hicks N. "Rating the quality of evidence for clinical practice guidelines," *Journal of Clinical Epidemiology*, Vol. 47, 749-754, 1996.
4. Pemberton HB, Wilkins HF, Hodges JS. "Growth relationships of individual flowers during late stages of floral development of rhododendron cvs. Prize and Gloria", *Canadian J. Botany*, 76:1350-1358, 1998.
5. Myers SL, Williams JM, Hodges JS. "Effects of extreme heat on teeth with implications for histologic processing." *J. Forensic Sciences*, 44:805-809, 1999.
6. Magne P, Kwon K-R, Belser UC, Hodges JS, Douglas WH. "Crack propensity of porcelain laminate veneers: a simulated operatory evaluation." *Journal of Prosthetic Dentistry*, 81(3):327-334, 1999.
7. Cohn DL, Fisher EJ, Peng GT, Hodges JS, Chesnutt J, Child CC, Franchino B, Gibert CL, El-Sadr W, Hafner R, Korvick J, Ropka M, Heifets L, Clotfelter J, Munroe D, Horsburgh CR, for the Terry Beirn Community Programs for Clinical Research on AIDS. "A prospective randomized trial of four three-drug regimens in the treatment of disseminated *Mycobacterium avium* complex disease in AIDS patients: Excess mortality associated with high-dose clarithromycin." *Clinical Infectious Diseases*, 29:125-133, 1999.
8. Goldscheider F, Goldscheider C, St. Clair P, Hodges JS. "Changes in returning home in the US, 1925-1985", *Social Forces*, 78:695-720, 1999.
9. Lai JH, Hodges JS. "Effects of processing parameters on physical properties of the silicon maxillofacial prosthetic materials." *Dental Materials*, 15:450-455, 1999.
10. Nelson DB, Freeman ML, Silvis SE, Cass O, Yakshe PN, Vennes J, Stahnke LL, Herman M, Hodges JS. "A randomized, controlled trial of transcutaneous carbon dioxide monitoring during ERCP", *Gastrointestinal Endoscopy*, 51(3):288-295, 2000.
11. Tantbirojn D, Cheng Y-S, Versluis A, Hodges JS, Douglas WH. "Nominal shear or fracture mechanics in the assessment of composite-dentin adhesion?" *J. Dental Res.*, 79:41-48, 2000.
12. Michalowicz B, Pihlstrom BL, Hodges JS, Bouchard T Jr. "No heritability of temporomandibular joint signs and symptoms." *J Dental Research* 79:1573-1578, 2000.
13. Pesun IJ, Olson AK, Hodges JS, Anderson GC. "In vivo evaluation of the surface of posterior resin composite restorations: A pilot study." *J Prosth Dent*, 84:353-359, 2000.
14. Magne P, Perroud R, Hodges JS, Belser RC. "Clinical performance of novel design porcelain veneers for the recovery of coronal volume and length." *Int. J. of Periodontics and Restorative Dent.*, 20:441-457, 2000

15. Ta LE, Dionne RA, Friction JR, Hodges JS, Kajander KC. "SYM-2081, a kainate receptor antagonist, reduces allodynia and hyperalgesia in a freeze injury model of neuropathic pain." *Brain Research* 858:106-120, 2000.
16. Seong WJ, Koriath TWP, Hodges JS. "Experimentally-induced abutment strains in three types of single molar implant restorations." *J. Prosth Dent.*, 84:318-326, 2000.
17. Tran SD, Rudney JD, Sparks BS, Hodges JS. "Persistent presence of *Bacteroides forsythus* as a risk factor for clinical attachment level loss in a prospective longitudinal study of a population with low prevalence and severity of adult periodontitis." *J. Periodontology*, 72:1-10, 2001.
18. Sandler NA, Hodges JS, Sabino M'L. "Assessment of recovery in patients undergoing intravenous conscious sedation using bispectral analysis." *J Oral Maxillofac. Surg.*, 59:603-611, 2001.
19. Pesun IJ, Villar A, Hodges JS, DeLong R, Lai JH, Schneider D. "Non-destructive compliance testing of soft denture liners." *J. Prosth.*, Vol 10:91-96, 2001.
20. Pesun IJ, Brosky ME, Koriath TWP, Hodges JS, DeVoe BJ. "Operator-induced axial forces during implant gold screw fastening." *J. Prosth Dent.*, 86:15-19, 2001.
21. Ronderos M, Pihlstrom BL, Hodges JS. "Periodontal disease among indigenous people in the Amazon rain forest." *J. Clin. Perio.*, 28:995- 1003, 2001.
22. Peterson C, Simon M, Hodges J, Mertens P, Egelman E, Anderson D. "Composition and mass of the bacteriophage  $\phi 29$  prohead and virion." *J. Structural Biology*, 135:18-25, 2001.
23. DeLong R, Pintado MR, Ko CC, Hodges JS, Douglas WH. "Factors influencing optical 3D scanning of vinyl polysiloxane impression materials." *J. Prosthodontics*, 10:78-85, 2001.
24. Johaneck LM, Heitmiller DR, Turner M, Nader N, Hodges J, Simone DA. "Cannabinoids attenuate capsaicin-evoked hyperalgesia through spinal and peripheral mechanisms." *Pain*, 93:303-315, 2001.
25. Abdelaziz [Bedier] KM, Hassan AM, Hodges JS. "Repair strength of the differently cured composite restorations." *Egyptian Dent. J.*, 47:875-882, 2001.
26. Brosky ME, Pesun IJ, Lowder PD, DeLong R, Hodges JS. "Laser digitization of casts to determine the effect of tray selection and cast formation technique on accuracy." *J. Prosth. Dent.*, 87:204-209, 2002.
27. Lai JH, Wang LL, Ko CC, DeLong RL, Hodges JS. "New Organosilicon Maxillofacial Prosthetic Materials." *Dental Materials*, 18:281-286, 2002.
28. Myers SL, Rhodus NL, Parsons HM, Hodges JS, Kaimal S. "A retrospective survey of oral lichenoid lesions: Revisiting the diagnostic process for oral lichen planus (OLP)." *Oral Surgery Oral Medicine Oral Pathology*, 93:676-681, 2002.
29. DeLong R, Ko C-C, Olson I, Hodges JS, Douglas WH. "Helical axis errors affect computer generated occlusal contacts." *J. Dental Research*, 81:338-343, 2002.
30. Stecker SS, Swift JQ, Hodges JS, Erickson PR. "Should a mucoadhesive patch (DentiPatch™) be used for gingival anesthesia in children?" *Anesthesia Progress*, 49:3-8, 2002.
31. Pesun IJ, Hodges JS, Lai JH. "Effect of polishing technique on the gap width between denture resin and permanent resilient denture liners." *J. Prosth. Dent.*, 87:311-318, 2002.



32. Costalonga M, Hodges JS, Herzberg MC. "Streptococcus sanguis modulates Type II collagen-induced arthritis in DBA/1J mice." *J. Immunology*, 169:2189-2195, 2002.
33. Stewart GP, Jain P, Hodges JS. "Shear bond strength of resin cements to both ceramic and dentin." *J Prosth. Dent.*, 88:277-284, 2002.
34. Abdelaziz [Bedier] KM, Combe EC, Hodges JS. "The effect of disinfectant additives on the properties of dental gypsum: 1. Mechanical properties." *J. Prosthodontics*, 11:161-167, 2002.
35. Abdelaziz [Bedier] KM, Combe EC, Hodges JS. "The effect of disinfectant additives on the properties of dental gypsum: 2. Surface properties." *J. Prosthodontics*, 11:234-240, 2002.
36. DeLong R, Ko CC, Anderson GC, Hodges JS, Douglas, WH. "Comparing maximum intercuspal contacts of virtual dental patients and mounted dental casts." *J. Prosth. Dent.*, 88:622-630, 2002.
37. Wille T, Pesun IJ, Combe EC, Lindquist GC, Hodges JS. "A clinical pilot study of the time dependent composition of tooth bleaching systems." *J. Oral Rehab.*, 30:1-5, 2003.
38. Brosky ME, Koriath TWP, Hodges J. "The anterior cantilever in the implant-supported screw-retained mandibular prosthesis." *J. Prosth. Dent.*, 89:244-249, 2003.
39. Tantbirojn D, Trom M, Hodges JS, Douglas WH. "Measurement of band displacement: A methodology to determine composite packability." *Quintessence Int.*, 34:761-765, 2003.
40. Turner MS, Hamamoto DT, Hodges JS, Maccicchini ML, Simone DA. "SYM 2081, an agonist that desensitizes kainate receptors, attenuates capsaicin- and inflammatory-evoked hyperalgesia." *Brain Research*, 973:252-264, 2003.
41. Villar A, Pesun IJ, Brosky ME, Hodges JS, DeLong R, Lai JH. "Clinical evaluation of resilient denture liners. Part 1: Compliance and color evaluation." *J Prosth.*, 12:82-89, 2003.
42. Brosky ME, Pesun IJ, Morrison B, Hodges JS, Lai JH, Liljemark W. "Clinical evaluation of resilient denture liners. Part 2: Candida count and speciation." *J. Prosth.*, 12:162-167, 2003.
43. Kurtz JS, Perdigao J, Geraldeli S, Hodges JS, Bowles WR. "Bond strengths of tooth-colored posts. Effect of sealer, dentin adhesive, and root region." *Am. J. Dent.*, 16:31A-36A, 2003.
44. Brosky ME, Keefer OA, Hodges JS, Pesun IJ, Cook G. "Patient Perceptions of Professionalism in Dentistry." *J. Dent. Ed.*, 67:909-915, 2003
45. Brosky ME, Major RJ, DeLong R, Hodges JS. "Evaluation of dental arch reproduction using three-dimensional optical digitization." *J. Prosthet. Dent.*, 90:434-440, 2003.
46. Murdoch M, Hodges JS, Hunt C, Cowper D, Kressin N, O'Brien N. "Gender differences in service connection for PTSD" *Med. Care.*, 41:950-961, 2003.
47. Ko CC, Douglas WH, DeLong R, Rohrer M, Swift J, Hodges JS, An K-N, Ritman EL. "Effects of implant healing time on cervical bone loss of a controlled-load dental implant." *J. Dent. Research*, 82:585-591, 2003.
48. Chang MC, Ko CC, Liu CC, Douglas WH, DeLong R, Seong W-J, Hodges JS, An K-N. "Elasticity of alveolar bone near dental implant-bone interfaces after one month's healing." *J. Biomechanics*, 36:1209-1214, 2003.
49. DeLong R, Heinzen M, Hodges JS, Ko C-C, Douglas WH. "Accuracy of a system for creating 3D computer models of dental arches." *J. Dent. Research*, 82:438-442, 2003.

50. Tsai CY, Wolff LF, Germaine G, Hodges JS. "A rapid DNA probe test compared to culture methods for identification of subgingival plaque bacteria." *J. Clin. Perio.*, 30:57-62, 2003.
51. Murdoch M, Hodges J, Cowper D, Fortier L, Van Ryn M. "Racial disparities in VA service-connection for post-traumatic stress disorder disability." *Medical Care*, 41:536-549, 2003.
52. Basi DL, Ross KF, Hodges JS, Herzberg MC. "The modulation of tissue factor by endothelial cells during heat shock", *J. Biol. Chem.*, 278:11065-11071, 2003.
53. Perdigão J, Geraldini S, Hodges JS. "Total etch vs. self-etch: Effect on post-operative sensitivity." *J. Amer. Dent. Assn.*, 134:1621- 1629, 2003.
54. Combe EC, Owen BA, Hodges JS. "A protocol for determining the surface free energy of dental materials." *Dental Materials*, 20:262-268, 2004.
55. Abdelaziz KM (Bedier), Hassan AM, Hodges JS. "Reproducibility of sterilized rubber impressions." *Brazilian Dental J.*, 15:209-213, 2004.
56. Perdigão J, Anauate-Netto C, Carmo ARP, Hodges J, Cordeiro HJD, Lewgoy HR, Dutra-Correa M, Castilhos N, Amore R. "The effect of adhesive and flowable composite on postoperative sensitivity: 2-week results." *Quintessence International*, 35:777-84, 2004.
57. Molloy J, Wolff LF, Lopez-Guzman A, Hodges JS. "The association of periodontal disease parameters with systemic medical conditions and tobacco use." *J. Clinical Periodontology*, 31:625-32, 2004.
58. Murdoch M, Polusny MA, Hodges JS, O'Brien N. "Prevalence of in-service and post-service sexual assault among combat and non-combat veterans applying for Department of Veterans Affairs (VA) posttraumatic stress disorder disability benefits." *Military Med.*, 169:392-5, 2004.
59. Murdoch M, Van Ryn M, Hodges J, Cowper D. "Mitigating effect of Department of Veterans Affairs (VA) disability benefits for PTSD on low income." *Military Med.*, 170:137-140, 2005.
60. Nachmani S, Majerus G, Lenton P, Hodges J, Magallanes E. "Effects of training on odor judges scoring intensity." *Oral Diseases*, 11 Suppl 1:40-4, 2005.
61. Murdoch M, Hodges J, Cowper D, Sayer N. "Regional variation and other correlates of Department of Veterans Affairs Disability Awards for patients with posttraumatic stress disorder." *Medical Care*, 43:112-21, 2005.
62. Knorr SD, Combe EC, Wolff LF, Hodges JS. "The surface free energy of gold-based materials." *Dental Materials*, 21:272-7, 2005.
63. Okunseri C, Hodges JS, Born D. "Self-reported toothache experience in an adult population in Benin City, Edo State, Nigeria." *Oral Health Prev Dent*, 3:119-25J, 2005.
64. Benting DG, Pesun IJ, Hodges J. "Compliance of resilient denture liners immersed in effervescent denture cleansers." *J. Prosthodont.* 14:175-83, 2005.
65. Abdelaziz KM (Bedier), Combe EC, Hodges JS. "The wetting of surface-treated silicone impression materials by gypsum mixes containing disinfectants and modifiers". *J. Prosthodontics*, 14:104-109, 2005.
66. Murdoch M, Polusny MA, Hodges J, Cowper D. "The association between in-service sexual harrassment and post-traumatic stress disorder among compensation-seeking veterans." *Military Medicine*, 171:166-73, 2006.

67. Tantbirojn D, Poolthong S, Leevailoj C, Srisawasdi S, Hodges JS, Randall RD. "Clinical evaluation of a resin-modified glass ionomer liner for cervical dentin hypersensitivity treatment." *Am. J. Dentistry*, 19:56-60, 2006.
68. Wölfahrt C, Wu T, Hodges J, Hinrichs JE, Michalowicz BS. "No association between candidate gene polymorphisms and severe chronic periodontitis". *J. Perio.*, 77:426-36, 2006.
69. Bernhardt O, Look J, Hodges J, Schwahn C, Gesch D, Kocher T. "The influence of dynamic occlusal interferences on probing depth and attachment level: Results of the Study of Health in Pomerania (SHIP)". *J. Periodontology*, 77:506-16, 2006.
70. Michalowicz BS, Hodges JS, DiAngelis AJ, Lupo VR, Novak MJ, Ferguson JE, Buchanan W, Bofill J, Papapanou PN, Mitchell DA, Matseoane S, Tschida PA. "Periodontal Treatment and Risk of Preterm Birth: Results from the OPT Trial". *New Engl. J. Med.*, 355:1885-1894, 2006.
71. Doyle SL, Hodges JS, Pesun IJ, Law AS, Bowles WR. "Retrospective cross sectional comparison of initial nonsurgical endodontic treatment and single-tooth implants." *J Endod.*, 32:822-7, 2006.
72. Madden R, Hodges JS, Salmen CW, Rindal DB, Tunio J, Michalowicz BS, Ahmad M, "Utility of Panoramic Radiographs in Detecting Cervical Calcified Carotid Atheroma", *Oral Surg., Oral Med., Oral Path., Oral Rad., and Endo*, 103:543-8, 2007.
73. Schiffman EL, Look JO, Hodges JS, Swift JQ, Decker KL, Hathaway KM, Templeton RB, Friction JR. "Randomized effectiveness study of four therapeutic strategies for TMJ closed lock". *J. Dent. Res.*, 86:58-63, 2007
74. Doyle SL, Hodges JS, Pesun IJ, Baisden MK, Bowles WR. "Factors affecting outcomes for single-tooth implants and endodontic restorations." *J Endod.*, 33:399-40, 2007
75. Miller JR, Davila JE, Hodges JS, Tulkki MJ, Vayda PM. "The effect of surgical denervation on orthodontic tooth movement in the rat." *Amer. J. Orthodontics and Dentofacial Orthopedics*, 131:620-6, 2007.
76. Stecker SS, Beiraghi S, Hodges JS, Peterson VS, Myers SL. "Prevalence of dental anomalies in a Southeast Asian population in the Minneapolis/Saint Paul metropolitan area." *Northwest Dent.*, 86:25-8, 2007
77. Stoltenberg J, Osborn JB, Carlson JF, Hodges JS, Michalowicz BS. "A Preliminary Study of Intra-pocket Topical versus Injected Anesthetic for Scaling and Root Planing", *J. Clin. Perio*, 34:892-6, 2007.
78. Anderson GC, Perdigão J, Hodges JS, Bowles WR. "Efficiency and effectiveness of fiber post removal using three techniques". *Quintessence Int.*, 38:663-70, 2007.
79. Matwychuk MJ, Bowles WR, McClanahan SB, Hodges JS, Pesun IJ. "Shaping abilities of two different engine-driven rotary nickel titanium systems or stainless steel balanced-force technique in mandibular molars." *J Endod.*, 33:868-71, 2007.
80. Doyle SL, Hodges JS, Pesun IJ, Law AS, Bowles WR. "Retrospective cross sectional comparison of initial nonsurgical endodontic treatment and single-tooth implants." *Compend Contin Educ Dent.*, 28:296-301, 2007.
81. Conrad HJ, Pesun IJ, DeLong R, Hodges JS. "Accuracy of two impression techniques with angulated implants". *J. Prosth. Dent.*, 97:349-56, 2007.

82. Hsu KT, Shuman SK, Hamamoto DT, Hodges JS, Feldt KS. "The application of facial expressions to the assessment of orofacial pain in cognitively impaired older adults." *J Am Dent Assoc.*, 138:963-9, 2007
83. Singh JA, Hodges JS, Asch SM. "Quality of care for gout in US needs improvement". *Arthritis Rheum*, 57:822-9, 2007
84. DeLong R, Knorr S, Anderson GC, Hodges J, Pintado MR. "Accuracy of contacts calculated from 3D images of occlusal surfaces." *J Dent.*, 35:528-34, 2007.
85. Okunseri C, Hodges JS, Born DO. "Self-reported oral health perceptions of Somali adults in Minnesota: a pilot study." *Int J Dent Hyg*, 6:114-8, 2008.
86. Lee S-P, DeLong R, Hodges JS, Hayashi K, Lee J-B. "Predicting first molar width using virtual models of dental arches". *Clin. Anat.*, 21:27- 32, 2008.
87. Swanson TK, Feigal RJ, Tantbirojn D, Hodges JS. "Effect of adhesive systems and bevel on enamel margin integrity in primary and permanent teeth", *Ped. Dent.*, 30:134-140, 2008.
88. Borodkin AF, Feigan RJ, Beiraghi S, Moller KT, Hodges JS. "Permanent tooth development in children with cleft lip and palate". *Ped. Dent.*, 30:408-413, 2008.
89. Novak MJ, Novak KF, Michalowicz BS, Kirakodu S, Govindaswami M, DiAngelis A, Buchanan W, Papapanou PN, Hodges JS. "Periodontal bacterial profiles in pregnant women: Response to treatment and associations with birth outcomes in the Obstetrics and Periodontal Therapy (OPT) Study". *J. Periodont.*, 79:1870-1879, 2008.
90. Seong W-J, Holte JE, Holtan JR, Olin PS, Hodges JS, Ko C-C. "Initial stability measurement of dental implants placed in different anatomical regions of fresh human cadaver jawbone." *J. Prosth. Dent.*, 99:425-434, 2008.
91. Ryan JL, Jureidini B, Hodges JS, Baisden M, Swift JQ, Bowles WR. "Gender differences in analgesia for endodontic pain." *J. Endod.*, 34:552-556, 2008.
92. Attar S, Bowles WR, Baisden MK, Hodges JS, McClanahan SB. "Evaluation of pretreatment analgesia and endodontic treatment for postoperative endodontic pain." *J Endod.*, 34:652-5, 2008.
93. Swain VL, Pesun IJ, Hodges JS. "The effect of metal ceramic restoration framework design on tooth color." *J Prosthet Dent*, 99:468-76, 2008.
94. Panoutsopoulou IG, Wendelschafer-Crabb G, Hodges JS, Kennedy WR. "Skin blister and skin biopsy to quantify epidermal nerves: a comparative study." *Neurology*, 72:1205-10, 2009.
95. Yue C, Tantbirojn D, Grothe RL, Versluis A, Hodges JS, Feigal RJ. "The depth of cure of clear versus opaque sealants as influenced by curing regimens." *J Am Dent Assoc*, 140:331-8, 2009.
96. Maron BJ, Semsarian C, Shen WK, Link MS, Epstein AE, Estes NA 3rd, Almquist A, Giudici MC, Haas TS, Hodges JS, Spirito P. "Circadian patterns in the occurrence of malignant ventricular tachyarrhythmias triggering defibrillator interventions in patients with hypertrophic cardiomyopathy." *Heart Rhythm*, 6:599-602, 2009.
97. Wendelschafer-Crabb G, Neppalli V, Jessurun J, Hodges J, Vance K, Saltzman D, Acton R, Kennedy WR. "Mucosal nerve deficiency in chronic childhood constipation: a postmigration defect?" *J Pediatr Surg.*, 44:773- 82, 2009.
98. Seong WJ, Kim UK, Swift JQ, Hodges JS, Ko CC. "Correlations between jawbone physical properties and dental implant initial stability." *J. Prosth Dent*, 101:306-318, 2009.

99. Zimmerman JA, Feigal RJ, Till MJ, Hodges JS. "Parental attitudes on restorative materials as factors influencing current use in pediatric dentistry." *Pediatr Dent.*, 31:63-70, 2009.
100. Michalowicz BS, Hodges JS, Novak MJ, Buchanan W, DiAngelis AJ, Papapanou PN, Mitchell DA, Ferguson JE, Lupo VR, Bofill J, Matseoane S. "Change in Periodontitis During Pregnancy and Risk of Preterm Birth and Low Birthweight." *J. Clin Perio.*, 36:308-314, 2009.
101. Durand R, Gunselman E, Hodges J, Diangelis A, Michalowicz B. "A pilot study of the association between cariogenic oral bacteria and preterm birth." *Oral Dis.*, 15(6):400-6, 2009.
102. Ebersole JL, Novak MJ, Michalowicz BS, Hodges JS, Steffen M, Ferguson JE, DiAngelis A, Buchanan W, Papapanou PN. "Systemic Immune Responses in Pregnancy and Periodontitis: Relationship to Pregnancy Outcomes and Treatment in the OPT Study." *J. Periodont.*, 80(6):953-60, 2009.
103. Almeida FR, Parker JA, Hodges JS, Lowe AA, Ferguson KA. "Effect of a Titration Polysomnogram on Treatment Success with a Mandibular Repositioning Appliance." *J. Clin. Sleep Med.*, 5(3):198-204, 2009.
104. Karras JC, Miller JR, Hodges JS, Beyer JP, Larson BE. "The effect of alendronate on orthodontic tooth movement in the rat." *Amer. J. Orthodontics and Dentofacial Orthopedics*, 136(6):843-7, 2009.
105. Maron BJ, Haas TS, Shannon KM, Almquist AK, Hodges JS. "Long-term survival after cardiac arrest in hypertrophic cardiomyopathy." *Heart Rhythm*, 6(7):993-7, 2009.
106. Maron BJ, Haas TS, Doerer, JJ, Thompson PD, Hodges JS. "Comparison of U.S. and Italian experiences with sudden cardiac deaths in young competitive athletes and implications for preparticipation screening strategies." *Am J Cardiol*, 104(2):276-80, 2009.
107. Singh JA, Hodges JM, Asch SM. "Opportunities for improving medication use and monitoring in gout." *Ann Rheum Dis.*, 68(8):1265-70, 2009
108. Seong WJ, Kim UK, Swift JQ, Heo YC, Hodges JS, Ko CC. "Elastic properties and apparent density of human edentulous maxilla and mandible." *Int J Oral Maxillofac Surg*, 38(10):1088-93, 2009.
109. Michalowicz BS, Novak MJ, Hodges JS, DiAngelis A, Buchanan W, Papapanou PN, Mitchell DA, Ferguson JE, Lupo V, Bofill J, Matseoane S, Steffen M, Ebersole JL. "Serum inflammatory mediators in pregnancy: changes after periodontal treatment and association with pregnancy outcomes." *J Periodontol*, 80(11):1731-41, 2009.
110. Spont MR, Hodges J, Murdoch M, Nugent S. "Race and ethnicity as factors in mental health service use among veterans with PTSD." *J Trauma Stress*, 22(6):648-53, 2009.
111. John CC, Riedesel MA, Magak NG, Lindblade KA, Menge DM, Hodges JS, Vulule JM, Akhwale W. "Possible interruption of malaria transmission, highland Kenya, 2007-2008." *Emerg Infect Dis*, 15(12):1917-24, 2009.
112. Hildebrandt G, Lee I, Hodges JS. "Oral mutans streptococci levels following use of a xylitol mouth rinse: A double-blind, randomized, controlled clinical trial". *Spec Care Dentist*, 30(2):53-58, 2010.
113. Spont MR, Murdoch M, Hodges J, Nugent S. "Treatment receipt by veterans after a PTSD diagnosis in PTSD, mental health, or general medical clinics." *Psychiatr Serv*, 61(1):58-63, 2010.

114. Nixdorf DR, Moana-Filho EJ, Law AS, McGuire LA, Hodges JS, John MT. "Frequency of persistent tooth pain after root canal therapy: a systematic review and meta-analysis." *J Endod*, 36(2):224-30, 2010.
115. Sharkey SW, Windenburg DC, Lesser JR, Maron MS, Hauser RG, Lesser JN, Haas TS, Hodges JS, Maron BJ. "Natural history and expansive clinical profile of stress (tako-tsubo) cardiomyopathy." *J Am Coll Cardiol*, 55(4):333-41, 2010.
116. Calonder EM, Sendelbach S, Hodges JS, Gustafson C, Macheimer C, Johnson D, Reiland L. "Temperature measurement in patients undergoing colorectal surgery and gynecology surgery: a comparison of esophageal core, temporal artery, and oral methods." *J Perianesth Nurs*, 25(2):71-8, 2010.
117. Chen X, Hodges JS, Shuman SK, Gatewood LC, Xu J. "Predicting tooth loss for older adults with special needs." *Community Dent Oral Epidemiol* 2010 Mar 26. [Epub ahead of print]
118. Maron BJ, Doerer J, Haas T, Estes NA, Hodges J, Link M. "Commotio cordis and the epidemiology of sudden death in competitive lacrosse." *Pediatrics*, 124:966-71, 2009.
119. Williams B, Menon M, Satran D, Hayward D, Hodges JS, Burke MN, Johnson RK, Poulouse AK, Traverse JH, Henry TD. "Patients with coronary artery disease not amenable to revascularization: Prevalence and 3-year mortality." *Catheterization and Cardiovascular Interventions*, 75:886-91, 2010.
120. Davila JE, Miller JR, Hodges JS, Beyer JP, Larson BE. "Effect of neonatal capsaicin treatment on orthodontic tooth movement in male Sprague-Dawley rats." *Am. J. Orthodontics and Dentofacial Orthopedics*, 139:e345-52, 2011.
121. McCarthy PJ, McClanahan S, Hodges J, Bowles WR. "Frequency of localization of the painful tooth by patients presenting for an endodontic emergency." *J Endod*, 36:801-5, 2010.
122. Groth SS, Rueth NM, Hodges JS, Habermann EB, Andrade RS, D'Cunha J, Maddaus MA. "Conditional cancer-specific versus cardiovascular-specific survival after lobectomy for stage I non-small cell lung cancer." *Ann Thorac Surg*, 90:375-82, 2010.
123. Nixdorf DR, Moana-Filho EJ, Law AS, McGuire LA, Hodges JS, John MT. "Frequency of nonodontogenic pain after endodontic therapy: a systematic review and meta-analysis." *J Endod*, 36:1494-8, 2010.
124. Selim MM, Wendelschafer-Crabb G, Redmon JB, Khoruts A, Hodges JS, Koch K, Walk D, Kennedy WR. "Gastric mucosal nerve density: a biomarker for diabetic autonomic neuropathy?" *Neurology*, 75:973-81, 2010.
125. Selim MM, Wendelschafer-Crabb G, Hodges JS, Simone DA, Foster SX, Vanhove GF, Kennedy WR. "Variation in quantitative sensory testing and epidermal nerve fiber density in repeated measurements." *Pain*, 151:575-81, 2010.
126. Chen X, Shuman SK, Hodges JS, Gatewood LC, Xu J. "Patterns of tooth loss in older adults with and without dementia: a retrospective study based on a Minnesota cohort." *J Am Geriatr Soc.*, 58:2300-7, 2010.
127. Kennedy WR, Selim MM, Brink TS, Hodges JS, Wendelschafer-Crabb G, Foster SXYL, Nolano M, Provitera V, Simone DA. "A new device to quantify tactile sensation in neuropathy", *Neurology*, 76(19):1642-9, 2011.
128. Michalowicz BS, Hodges JS, Lussky RC, Bada H, Rawson T, Buttross LS, Chiriboga C, Diangelis AJ, Novak MJ, Buchanan W, Mitchell DA, Papapanou PN. "Maternal Periodontitis Treatment and Child Neurodevelopment at 24 to 28 Months of Age." *Pediatrics.*, 127(5):e1212-20, 2011.

129. Terpstra M, Torkelson C, Emir U, Hodges JS, Raatz S. "Noninvasive quantification of human brain antioxidant concentrations after an intravenous bolus of vitamin C." *NMR Biomed.*, 24(5):521-8, 2011.
130. Emir UE, Raatz S, McPherson S, Hodges JS, Torkelson C, Tawfik P, White T, Terpstra M. "Noninvasive quantification of ascorbate and glutathione concentration in the elderly human brain." *NMR Biomed.*, 24:888-94, 2011.
131. Seong WJ, Kim HC, Jeong SC, DeVea DL, Aparicio C, Li YP, Hodges JS. "Ex vivo mechanical properties of dental implant bone cement used to rescue initially unstable dental implants at first-stage surgery: A rabbit study". *Int. J. Oral Maxillofac. Implants*, 26:826-36, 2011.
132. Thomas M, Haas TS, Doerer JJ, Hodges JS, Aicher B, Mueller FO, Cantu RC, Maron BJ. "Epidemiology of sudden death in young competitive athletes due to blunt trauma". *Pediatrics*, 128:e1-8, 2011.
133. Murdoch M, Pryor JB, Griffin JM, Ripley DC, Gackstetter GD, Polusny MA, Hodges JS. "Unreliability and error in the military's 'gold standard' measure of sexual harassment by education and gender". *J. Trauma Dissociation*, 12:216-31, 2011.
134. Mooney MR, Unger BT, Boland LL, Burke MN, Kebed KY, Graham KJ, Henry TD, Katsiyiannis WT, Satterlee PA, Sendelbach S, Hodges JS, Parham WM. "Therapeutic hypothermia after out-of-hospital cardiac arrest: evaluation of a regional system to increase access to cooling". *Circulation*, 124:206-14, 2011.
135. Collins TC, Lunos S, Carlson T, Henderson K, Lightbourne M, Nelson B, Hodges JS. "Effects of a home-based walking intervention on mobility and quality of life in people with diabetes and peripheral arterial disease: a randomized controlled trial". *Diabetes Care*, 34:2174-9, 2011
136. Skaar DD, O'Connor H, Hodges JS, Michalowicz BS. "Dental procedures and subsequent prosthetic joint infections: Findings from the Medicare Current Beneficiary Survey". *J. Am. Dent. Assoc.*, 142:1343-51, 2011.
137. Noland GS, Ayodo G, Abuya J, Hodges JS, Rolfes MA, John CC. "Decreased prevalence of anemia in highland areas of low malaria transmission after a 1-year interruption of transmission". *Clin. Infect. Dis.*, 54:178-84, 2012.
138. Uddin AM, Henry TD, Hodges JS, Haq Z, Pedersen WR, Harris KM. "The prognostic role of mitral regurgitation after primary percutaneous coronary intervention for acute ST-Elevation myocardial infarction". *Catheter. Cardiovasc. Interv.*, 80:779-86, 2012.
139. Bart G, Wang Q, Hodges JS, Nolan C, Carlson G. "Superior methadone treatment outcome in Hmong compared with non-Hmong patients". *J. Subst. Abuse. Treat.*, 43:269-75, 2012
140. Seong WJ, Grami S, Jeong SC, Conrad H, Hodges JS. "Comparison of push-in versus pull-out tests on bone-implant interfaces of rabbit tibia dental implant healing model". *Clin Implant Dentistry and Related Research*, 15:460-9, 2013.
141. Petryk A, Baker KS, Frohnert B, Moran A, Chow L, Sinaiko AR, Steffen LM, Perkins JL, Zhang L, Hodges JS, Steinberger J. "Blunted response to a growth hormone stimulation test is associated with unfavorable cardiovascular risk factor profile in childhood cancer survivors". *Pediatric Blood & Cancer*. 60(3):467-73, 2013.
142. Tonnetti L, Thorp AM, Deisting B, Bachowski G, Johnson ST, Wey AR, Hodges JS, Leiby DA, Mair D. "Babesia microti seroprevalence in Minnesota blood donors." *Transfusion*, 53(8):1698-705, 2013.

143. Billington CJ Jr, Schmidt B, Zhang L, Hodges JS, Georgieff MK, Schotta G, Gopalakrishnan R, Petryk A. "Maternal diet supplementation with methyl donors and increased parity affect the incidence of craniofacial defects in the offspring of twisted gastrulation mutant mice." *J. Nutrition*, 143:332-9, 2013.
144. Michalowicz BS, Hodges JS, Pihlstrom BL. "Is change in probing depth a reliable predictor of change in clinical attachment loss?" *J. Am. Dental Assn.*, 144:171-8, 2013.
145. Bangirana P, Menk J, John CC, Boivin MJ, Hodges JS. "The association between cognition and academic performance in Ugandan children surviving malaria with neurological involvement". *PLoS One*. 8(2):e55653, 2013.
146. Henry TH, Satran D, Hodges JS, Johnson RK, Poulouse AK, Campbell AR, Garberich R, Bart BA, Olson RE, Boisjolie CR, Harvey KL, Arndt TL, Traverse JH. "Long-Term Survival in Patients with Refractory Angina". *European Heart Journal*. 34:2683-8, 2013.
147. Begun JW, Riley WJ, Hodges JS. "Exploratory analysis of high CT scan utilization in claims data". *J. American College of Radiology*, 11:51-8, 2014.
148. Sandau KE, Boisjolie C, Hodges JS. "Use of the Minnesota Living With Heart Failure Questionnaire Among Elderly Patients With Aortic Stenosis: Results From a Pilot Study." *J Cardiovasc Nursing*, 29:185-97, 2014.
149. Kelly AS, Dengel DR, Hodges J, Zhang L, Moran A, Chow L, Sinaiko AR, Steinberger J. "The Relative Contributions of the Abdominal Visceral and Subcutaneous Fat Depots to Cardiometabolic Risk in Youth". *Clin Obes*, 4(2):101-107, 2014.
150. Dengel DR, Kelly AS, Zhang L, Hodges JS, Baker KS, Steinberger J. "Signs of early sub-clinical atherosclerosis in childhood cancer survivors". *Pediatr Blood Cancer*, 61(3):532-7, 2014.
151. Petryk A, Polgreen LE, Zhang L, Hodges JS, Dengel DR, Hoffmeister PA, Steinberger J, Baker KS. "Bone mineral deficits in recipients of hematopoietic cell transplantation: the impact of young age at transplant". *Bone Marrow Transplant*, 49(2):258-63, 2014.
152. Schiffman EL, Velly AM, Look JO, Hodges JS, Swift JQ, Decker KL, Anderson QN, Templeton RB, Lenton PA, Kang W, Friction JR. "Effects of four treatment strategies for temporomandibular joint closed lock". *Int J Oral Maxillofac Surg*, 43(2):217-26, 2014.
153. Thumbigere-Math V, Michalowicz BS, Hodges JS, Tsai ML, Swenson KK, Rockwell L, Gopalakrishnan R. "Periodontal disease as a risk factor for bisphosphonate-related osteonecrosis of the jaw". *J Periodontol*, 85(2):226-33, 2014.
154. Huff AG, Kircher A, Hodges JS, Kennedy S. "State Officials' Perceptions of the Food and Agriculture Sector Criticality Assessment Tool (FASCAT), Food-system Risk, and Food Defense Funding". *J Homeland Security and Emergency Management*, 11:101-116, 2014.
155. Ondigo BN, Hodges JS, Ireland KF, Magak NG, Lanar DE, Dutta S, Narum DL, Park GS, Ofulla AV, John CC. "Estimation of recent and long-term malaria transmission in a population by antibody testing to multiple Plasmodium falciparum antigens". *J Infect Dis*, 210:1123-32, 2014.
156. Bangirana P, Opoka RO, Boivin MJ, Idro R, Hodges JS, Romero RA, Shapiro E, John CC. "Severe malarial anemia is associated with long-term neurocognitive impairment". *Clinical Infectious Diseases*, 59:336-44, 2014.
157. Mutanda AL, Cheruiyot P, Hodges JS, Ayodo G, Odero W, John CC. "Sensitivity of fever for diagnosis of clinical malaria in a Kenyan area of unstable, low malaria transmission." *Malar J.*, 13:163, 2014.



158. Nguyen RH, Turner RM, Sieling J, Williams DA, Hodges JS, Harlow BL. "Feasibility of collecting vulvar pain variability and its correlates using prospective collection with smartphones." *Pain Res. Treat.*;2014:659863, 2014. Epub 2014 Jun 10.
159. Chantaracherd P, John MT, Hodges JS, Schiffman EL. "Temporomandibular joint disorders' impact on pain, function, and disability." *J. Dent. Res.*, 94(3 Suppl):79S-86S, 2015.
160. Panoutsopoulou IG, Luciano CA, Wendelschafer-Crabb G, Hodges JS, Kennedy WR., "Epidermal innervation in healthy children and adolescents." *Muscle Nerve*, 51(3):378-84, 2015.
161. Petryk A, Polgreen LE, Barnum JL, Zhang L, Hodges JS, Baker KS, Wagner JE, Steinberger J, MacMillan ML. "Bone Mineral Density in Children with Fanconi Anemia after Hematopoietic Cell Transplantation." *Biol. Blood Marrow Transplant*, 21:894-9. doi: 10.1016/j.bbmt.2015.01.002, 2015.
162. Shabani E, Opoka RO, Idro R, Schmidt R, Park GS, Bangirana P, Vercellotti GM, Hodges JS, Widness JA, John CC. "High plasma erythropoietin levels are associated with prolonged coma duration and increased mortality in children with cerebral malaria." *Clin. Infect. Dis*, 60:27-35, 2015
163. White CC, Solid CA, Hodges JS, Boehm DH. "Does Integrated Care Affect Healthcare Utilization in Multi-problem Refugees?" *J. Immigr. Minor. Health*, 17:1444-50. doi: 10.1007/s10903-014-0088-6, 2015 Oct.
164. Slater ME, Ross JA, Kelly AS, Dengel DR, Hodges JS, Sinaiko AR, Moran A, Lee J, Perkins JL, Chow LS, Baker KS, Steinberger J. "Physical activity and cardiovascular risk factors in childhood cancer survivors." *Pediatr. Blood Cancer*, 62(2):305-310. doi: 10.1002/pbc.25276, 2015.
165. Hsu A, Seong W-J, Wolff R, Zhang L, Hodges J, Olin PS, Hinrichs JE. "Comparison of initial implant stability placed using bi-cortical fixation, indirect sinus lift and uni-cortical fixation", *Int. J. Oral Maxillofacial Implants*, 31(2):459-68, doi: 10.11607/jomi.4142, 2016.
166. Huff, AG, Hodges JS, Kennedy SP, Kircher A. "Evaluation of the Food and Agriculture Sector Criticality Assessment Tool (FASCAT) and the Collected Data", *Risk Analysis*, 35:1448-67. doi: 10.1111/risa.12377, 2015.
167. Mason MR, Gonzalez M, Hodges JS, Muñoz-Zanzi C. "Protective practices against zoonotic infections among rural and slum communities from South Central Chile". *BMC Public Health*. 15:713. doi: 10.1186/s12889-015-1964-2, 2015.
168. Deelchand DK, Marjańska M, Hodges JS, Terpstra M. "Sensitivity and specificity of human brain glutathione concentrations measured using short-TE (1) H MRS at 7 T". *NMR Biomed*. 29:600-6. doi: 10.1002/nbm.3507, 2016.
169. Young MC, Theis JR, Hodges JS, Dunn TB, Pruett TL, Chinnakotla S, Walker SP, Freeman ML, Trikudanathan G, Arain M, Robertson PR, Wilhelm JJ, Schwarzenberg SJ, Bland B, Beilman GJ, Bellin MD. "Preoperative Computerized Tomography and Magnetic Resonance Imaging of the Pancreas Predicts Pancreatic Mass and Functional Outcomes After Total Pancreatectomy and Islet Autotransplant". *Pancreas*. 45(7):961-6. PMID: 26745861, 2016.
170. Lalla RV, Long-Simpson L, Hodges JS, Treister N, Sollecito T, Schmidt B, Patton LL, Brennan MT; OraRad Study Group. "Clinical registry of dental outcomes in head and neck cancer patients (OraRad): rationale, methods, and recruitment considerations." *BMC Oral Health*, 17(1):59. doi: 10.1186/s12903-017-0344-y. PMID: 28241807, 2017.

171. Ayieko C, Ogola BS, Ochola L, Ngwenya GA, Ayodo G, Hodges JS, Noland GS, John CC. "Interferon- $\gamma$  responses to Plasmodium falciparum vaccine candidate antigens decrease in the absence of malaria transmission." *PeerJ*. 2017 Jan 10;5:e2855. doi: 10.7717/peerj.2855. eCollection 2017 Jan 10. PMID: 28097063, 2017.
172. Ssenkusu JM, Hodges JS, Opoka RO, Idro R, Shapiro E, John CC, Bangirana P. "Long-term Behavioral Problems in Children With Severe Malaria." *Pediatrics*. 138(5). pii: e20161965. Epub 2016 Oct 5. PMID: 27940786, 2016.
173. Schiffman EL, Ahmad M, Hollender L, Kartha K, Ohrbach R, Truelove EL, Zhang L, Hodges JS, Sommers E, Anderson GC, Gonzalez YM, Guo X, Look JO. "Longitudinal Stability of Common TMJ Structural Disorders." *J Dent Res*, 96(3):270-276. PMID: 27856966, 2017.
174. Bellin MD, Clark P, Usmani-Brown S, Dunn TB, Beilman GJ, Chinnakotla S, Pruett TL, Ptacek P, Hering BJ, Wang Z, Gilmore T, Wilhelm JJ, Hodges JS, Moran A, Herold KC. "Unmethylated Insulin DNA Is Elevated After Total Pancreatectomy With Islet Autotransplantation: Assessment of a Novel Beta Cell Marker." *Am J Transplant*. doi: 10.1111/ajt.14054. [Epub ahead of print] PMID: 27643615, 2016.
175. Petryk A, Polgreen LE, Grames M, Lowe DA, Hodges JS, Karachunski P. "Feasibility and tolerability of whole-body, low-intensity vibration and its effects on muscle function and bone in patients with dystrophinopathies: a pilot study". *Muscle Nerve*, doi: 10.1002/mus.25431. [Epub ahead of print] PMID: 27718512, 2016.
176. Bellin MD, Beilman GJ, Dunn TB, Pruett TL, Sutherland DE, Chinnakotla S, Hodges JS, Lane A, Ptacek P, Berry KL, Hering BJ, Moran A. "Sitagliptin Treatment After Total Pancreatectomy With Islet Autotransplantation: A Randomized, Placebo-Controlled Study". *Am J Transplant*. 17(2):443-450. doi: 10.1111/ajt.13979. Epub 2016 Aug 26. PMID: 27459721, 2017.
177. Shabani E, Opoka RO, Bangirana P, Park GS, Vercellotti GM, Guan W, Hodges JS, Lavstsen T, John CC. "The endothelial protein C receptor rs867186-GG genotype is associated with increased soluble EPCR and could mediate protection against severe malaria". *Sci Rep*. 6:27084. doi: 10.1038/srep27084. PMID: 27255786, 2016.
178. Bangirana P, Opoka RO, Boivin MJ, Idro R, Hodges JS, John CC. "Neurocognitive domains affected by cerebral malaria and severe malarial anemia in children." *Learn Individ Differ*. 46:38-44. Epub 2015 Jan 16. PMID: 27212870, 2016.
179. Berger MG, Majumder K, Hodges JS, Bellin MD, Schwarzenberg SJ, Gupta S, Dunn TB, Beilman GJ, Pruett TL, Freeman ML, Wilhelm JJ, Sutherland DE, Chinnakotla S. "Microbial contamination of transplant solutions during pancreatic islet autotransplants is not associated with clinical infection in a pediatric population". *Pancreatology*. 16(4):555-62. doi: 10.1016/j.pan.2016.03.019. Epub 2016 Apr 6. PMID: 27134135, 2016.
180. Kalyanam K, McAteer J, Marek J, Hodges J, Lin L. "Cross Channel Effects of Search Engine Advertising on Brick & Mortar Retail Sales: Meta Analysis of Large Scale Field Experiments on Google.com". *Quantitative Marketing and Economics*, 16:1-42, 2017.
181. Moana-Filho EJ, Alonso AA, Kapos FP, Leon-Salazar V, Durand SH, Hodges JS, Nixdorf DR. "Multifactorial Assessment of Measurement Errors Affecting Intraoral Quantitative Sensory Testing Reliability". *Scandinavian Journal of Pain*, 16:93-98, 2017.
182. Brennan MT, Treister NS, Sollecito TP, Schmidt BL, Patton LL, Mohammadi K, Long Simpson L, Voelker H, Hodges JS, Lalla RV. "Dental disease before radiotherapy in patients with head and neck cancer: Clinical Registry of Dental Outcomes in Head and Neck Cancer Patients." *J Am Dent Assoc.*, 148(12):868-877, 2017.

183. Lalla RV, Treister N, Sollecito T, Schmidt B, Patton LL, Mohammadi K, Hodges JS, Brennan MT; OraRad Study Group. "Oral complications at 6 months after radiation therapy for head and neck cancer." *Oral Dis.*, 23(8):1134-1143, 2017.
184. Opoka RO, Ndugwa CM, Latham TS, Lane A, Hume HA, Kasirye P, Hodges JS, Ware RE, John CC. "Novel use Of Hydroxyurea in an African Region with Malaria (NOHARM): a trial for children with sickle cell anemia." *Blood*, 130(24):2585-2593, 2017.
185. Jaramillo EG, Mupere E, Opoka RO, Hodges JS, Lund TC, Georgieff MK, John CC, Cusick SE. "Delaying the start of iron until 28 days after antimalarial treatment is associated with lower incidence of subsequent illness in children with malaria and iron deficiency." *PLoS One*, 12(8):e0183977. doi: 10.1371/journal.pone.0183977, 2017.
186. Bart G, Wyman Z, Wang Q, Hodges JS, Karim R, Bart BA. "Methadone and the QTc Interval: Paucity of Clinically Significant Factors in a Retrospective Cohort." *J Addict Med.*, 11(6):489-493, 2017.
187. Li D, Radulescu A, Shrestha RT, Root M, Karger AB, Killeen AA, Hodges JS, Fan SL, Ferguson A, Garg U, Sokoll LJ, Burmeister LA. "Association of Biotin Ingestion With Performance of Hormone and Nonhormone Assays in Healthy Adults." *J. American Medical Assn.*, 318(12):1150-1160, 2017.
188. Loavenbruck AJ, Hodges JS, Provitera V, Nolano M, Wendelshafer-Crabb G, Kennedy WR. "A device to measure secretion of individual sweat glands for diagnosis of peripheral neuropathy." *J Peripher Nerv Syst.*, 22(2):139-148, 2017.
189. Petryk A, Polgreen LE, Grames M, Lowe DA, Hodges JS, Karachunski P. "Feasibility and tolerability of whole-body, low-intensity vibration and its effects on muscle function and bone in patients with dystrophinopathies: a pilot study." *Muscle Nerve*, 55(6):875-883, 2017.
190. Rawson JMO, Gohl DM, Landman SR, Roth ME, Meissner ME, Peterson TS, Hodges JS, Beckman KB, Mansky LM. "Single-Strand Consensus Sequencing Reveals that HIV Type but not Subtype Significantly Impacts Viral Mutation Frequencies and Spectra." *J Mol Biol.*, 429(15):2290-2307, 2017.
191. Bellin MD, Prokhoda P, Hodges JS, Schwarzenberg SJ, Freeman ML, Dunn TB, Wilhelm JJ, Pruett TL, Kirchner VA, Beilman GJ, Chinnakotla S. "Age and Disease Duration Impact Outcomes of Total Pancreatectomy and Islet Autotransplant for PRSS1 Hereditary Pancreatitis." *Pancreas*, 47(4):466-470, doi: 10.1097/MPA.0000000000001028, PMID: 29517634, 2018.
192. Bellin MD, Abu-El-Haija M, Morgan K, Adams D, Beilman GJ, Chinnakotla S, Conwell DL, Dunn TB, Freeman ML, Gardner T, Kirchner VA, Lara LF, Long-Simpson L, Nathan JD, Naziruddin B, Nyman JA, Pruett TL, Schwarzenberg SJ, Singh VK, Smith K, Steel JL, Wikstrom M, Witkowski P, Hodges JS; POST study consortium. "A multicenter study of total pancreatectomy with islet autotransplantation (TPIAT): POST (Prospective Observational Study of TPIAT)." *Pancreatology*, 18(3):286-290. doi: 10.1016/j.pan.2018.02.001. PMID: 29456124, 2018
193. Lane A, Hodges J, Ptacek P, Berry KL, Beilman GJ, Dunn TB, Pruett TL, Chinnakotla S, Kuzmak B, Bellin M. "Low prevalence of diabetes distress following total pancreatectomy with islet autotransplantation." *Clin Transplant.*, 32(5):e13237. doi: 10.1111/ctr.13237, PMID: 29532522, 2018
194. Marjańska M, Deelchand DK, Hodges JS, McCarten JR, Hemmy LS, Grant A, Terpstra M. "Altered macromolecular pattern and content in the aging human brain." *NMR Biomed.*, 2018 Feb;31(2). doi: 10.1002/nbm.3865. Epub 2017 Dec 20.

195. Halper A, Sanchez B, Hodges JS, Kelly AS, Dengel D, Nathan BM, Petryk A, Sarafoglou K. "Bone mineral density and body composition in children with congenital adrenal hyperplasia." *Clin Endocrinol (Oxf)*, 88(6):813-819. doi: 10.1111/cen.13580, PMID: 29460378, 2018
196. Harindhanavudhi H, Petryk A, Jones R, Wallin AR, Hodges JS, Van Nortwick S, Miller BS, Holm TL, Sarafoglou K. "Lumbar spine bone mineral density Z-score discrepancies by dual X-ray absorptiometry do not predict vertebral fractures in children." *Journal of Investigative Medicine*, 66(6):980-985. doi: 10.1136/jim-2018-000738, PMID: 29622758, 2018
197. Kapos FP, Look JO, Zhang L, Hodges JS, Schiffman EL. "Predictors of Long-Term Temporomandibular Disorder Pain Intensity: An 8-Year Cohort Study." *J Oral Facial Pain Headache*, 32(2):113-122, doi: 10.11607/ofph.1819, PMID: 29694463, 2018
198. Robertson J, Raizer J, Hodges JS, Gradishar W, Allen JA. "Risk factors for the development of paclitaxel-induced neuropathy in breast cancer patients." *J Peripher Nerv Syst*, 23(2):129-133, doi: 10.1111/jns.12271, PMID: 29696771, 2018
199. Santi A, Bosch TA, Bantle AE, Alvear A, Wang Q, Hodges JS, Dengel DR, Chow LS. "High Body Mass Index Masks Body Composition Differences in Physically Active Versus Sedentary Participants." *Metab Syndr Relat Disord*, 16(9):483-489, doi: 10.1089/met.2018.0042, PMID: 30129821, 2018
200. Skube ME, Mills PD, Hodges JS, Beilman GJ, Bellin MD. "Islet Graft Function Is Preserved After Pregnancy in Patients With Previous Total Pancreatectomy With Islet Autotransplant." *Pancreas*, 47(9):e64-e65, doi: 10.1097/MPA.0000000000001129, PMID: 30199492, 2018
201. Brayton SH, Bosch TA, Bantle AE, Hodges JS, Dengel DR, Chow LS. "The impact of high BMI on acute changes in body composition following 90 minutes of running." *Cogent Med*. 5(1):1502960. PMID: 31380465, 2018
202. Leininger B, Bronfort G, Evans R, Hodges J, Kuntz K, Nyman JA. "Cost-effectiveness of spinal manipulation, exercise, and self-management for spinal pain using an individual participant data meta-analysis approach: a study protocol." *Chiropr Man Therap*, 26:46. doi: 10.1186/s12998-018-0216-9. eCollection 2018, PMID: 30473764, 2018
203. Dengel DR, Kelly AS, Zhang L, Wang Q, Hodges JS, Steinberger J, Baker KS. "Vascular Structure and Function in Cancer Survivors after Hematopoietic Stem Cell Transplantation." *Biol Blood Marrow Transplant*, 2019 Jan;25(1):151-156. doi: 10.1016/j.bbmt.2018.08.005, PMID: 30103017
204. al'Absi M, Lemieux A, Hodges JS, Allen S. "Circulating orexin changes during withdrawal are associated with nicotine craving and risk for smoking relapse." *Addict Biol*, 24(4):743-753. doi: 10.1111/adb.12643, PMID: 30117237, 2019.
205. Marjańska M, McCarten JR, Hodges JS, Hemmy LS, Terpstra M. "Distinctive Neurochemistry in Alzheimer's Disease via 7 T In Vivo Magnetic Resonance Spectroscopy." *J Alzheimers Dis*, 68(2):559-569, 2019. doi: 10.3233/JAD-180861, PMID: 30775983.
206. Lindsay A, McCourt PM, Larson AA, Hodges JS, Lowe DA, Ervasti JM. "Variable cytoplasmic actin expression impacts the sensitivity of different dystrophin-deficient mdx skeletal muscles to eccentric contraction." *The FEBS Journal*, 286(13):2562-2576. doi: 10.1111/febs.14831, PMID: 30942954, 2019.
207. Maalouli WM, Hodges JS. "Croup Admissions: Can We Shrink the Elephant in the Room?" *Pediatr Emerg Care*, 2019 Mar 28. doi: 10.1097/PEC.0000000000001829. [Epub ahead of print] PMID: 30925569

208. Chow LS, Manoogian ENC, Alvear A, Fleischer JG, Thor H, Dietsche K, Wang Q, Hodges JS, Esch N, Malaeb S, Harindhanavudhi T, Nair KS, Panda S, Mashek DG. "Time-Restricted Eating Effects on Body Composition and Metabolic Measures in Humans who are Overweight: A Feasibility Study." *Obesity (Silver Spring)*, 28(5):860-869. doi: 10.1002/oby.22756, PMID: 32270927, 2020.
209. Lindsay A, Baumann CW, Rebbeck RT, Yuen SL, Southern WM, Hodges JS, Cornea RL, Thomas DD, Ervasti JM, Lowe DA. "Mechanical factors tune the sensitivity of mdx muscle to eccentric strength loss and its protection by antioxidant and calcium modulators." *Skelet Muscle*, 10(1):3. doi: 10.1186/s13395-020-0221-2, PMID: 32007101, 2020.
210. Gutama BW, Yang Y, Beilman GJ, Freeman ML, Kirchner VA, Pruett TL, Chinnakotla S, Downs EM, Trikudanathan G, Schwarzenberg SJ, Hodges JS, Bellin MD. "Risk Factors Associated With Progression Toward Endocrine Insufficiency in Chronic Pancreatitis." *Pancreas*, 48(9):1160-1166. doi: 10.1097/MPA.0000000000001394, PMID: 31593013, 2019.
211. McEachron KR, Skube ME, Yang Y, Hodges JS, Wilhelm J, Beilman G, Chinnakotla S, Schwarzenberg SJ, Bellin MD. "Utility of arginine stimulation testing in preoperative assessment of children undergoing total pancreatectomy with islet autotransplantation." *Clin Transplant.*,33(8):e13647. doi: 10.1111/ctr.13647, PMID: 31230395, 2019.
212. Conroy AL, Opoka RO, Bangirana P, Idro R, Ssenkusu JM, Datta D, Hodges JS, Morgan C, John CC. "Acute kidney injury is associated with impaired cognition and chronic kidney disease in a prospective cohort of children with severe malaria." *BMC Med.*, 17(1):98. doi: 10.1186/s12916-019-1332-7, PMID: 31109328, 2019
213. Halper A, Sanchez B, Hodges JS, Dengel DR, Petryk A, Sarafoglou K. "Use of an aromatase inhibitor in children with congenital adrenal hyperplasia: Impact of anastrozole on bone mineral density and visceral adipose tissue." *Clin Endocrinol (Oxf)*, 91(1):124-130. doi: 10.1111/cen.14009, PMID: 31070802, 2019.
214. Hamre KES, Ondigo BN, Hodges JS, Dutta S, Theisen M, Ayodo G, John CC. "Antibody Correlates of Protection from Clinical Plasmodium falciparum Malaria in an Area of Low and Unstable Malaria Transmission." *Am J Trop Med Hyg.*, 103:2174-2182, 2020. doi: 10.4269/ajtmh.18-0805. PMID: 33124533
215. Hamre KES, Ayodo G, Hodges JS, John CC. "A Mass Insecticide-Treated Bed Net Distribution Campaign Reduced Malaria Risk on an Individual but Not Population Level in a Highland Epidemic-Prone Area of Kenya." *Am J Trop Med Hyg.*, 103:2183-2188, 2020. doi: 10.4269/ajtmh.19-0306. Epub 2020 Oct 27. PMID: 33146104
216. Hamre KES, Hodges JS, Ayodo G, John CC. "Lack of Consistent Malaria Incidence Hotspots in a Highland Kenyan Area During a 10-Year Period of Very Low and Unstable Transmission." *Am J Trop Med Hyg.*, 103:2198-2207, 2020. doi: 10.4269/ajtmh.19-0821. PMID: 33124534
217. Trikudanathan G, Elmunzer BJ, Yang Y, [10 authors elided], Hodges JS, [14 authors elided], Bellin MD. "Preoperative ERCP has no impact on islet yield following total pancreatectomy and islet autotransplantation (TPIAT): Results from the Prospective Observational Study of TPIAT (POST) cohort." *Pancreatology*, 21:275-281, 2021. doi: 10.1016/j.pan.2020.11.008. PMID: 33323311
218. Harindhanavudhi T, Yang Y, Hodges JS, Pruett TL, Kirchner V, Beilman GJ, Bellin MD. "Body Composition is Associated With Islet Function After Pancreatectomy and Islet Autotransplantation for Pancreatitis." *J Clin Endocrinol Metab.*, 106:e496-e506, 2021. doi: 10.1210/clinem/dgaa790. PMID: 33124670

219. McEachron KR, Yang Y, Hodges JS, Beilman GJ, Kirchner VA, Pruett TL, Chinnakotla S, Hering BJ, Bellin MD. "Performance of modified Igls criteria to evaluate islet autograft function after total pancreatectomy with islet autotransplantation - a retrospective study." *Transpl Int.*, 34:87-96. 2021. doi: 10.1111/tri.13762. PMID: 33020957
220. Brennan MT, Treister NS, Sollecito TP, Schmidt BL, Patton LL, Yang Y, Lin A, Elting LS, Hodges JS, Lalla RV. "Epidemiologic factors in patients with advanced head and neck cancer treated with radiation therapy." *Head Neck*, 43:164-172, 2021. doi: 10.1002/hed.26468. PMID: 32991009
221. Gorbatenko-Roth K, Hodges JS, Lifson D, Golm M, Kranz D, Windenburg D, Hordinsky M. "Integrating colocated behavioral health care into a dermatology clinic: A prospective randomized controlled treatment pilot study in patients with alopecia areata." *J Am Acad Dermatol.*, 84:1487-1489, 2021. doi: 10.1016/j.jaad.2020.07.070. PMID: 32707246
222. Wilhelm JJ, Balamurugan AN, Bellin MD, Hodges JS, [7 authors elided] Chinnakotla S. "Progress in individualizing autologous islet isolation techniques for pediatric islet autotransplantation after total pancreatectomy in children for chronic pancreatitis." *Am J Transplant.*, 21:776-786, 2021. doi: 10.1111/ajt.16211. PMID: 32678932
223. McEachron KR, Yang Y, Hodges JS, [8 authors elided] Bellin MD. "Alterations in Enteroendocrine Hormones After Total Pancreatectomy With Islet Autotransplantation." *Pancreas*, 49(6):806-811, 2020. doi: 10.1097/MPA.0000000000001582. PMID: 32541637
224. Hutson J, Hodges JS, Snow L. "Educating caregivers of persons with cerebral palsy in nighttime postural care: a randomized trial comparing two online training programs" *Clinical Rehabilitation*, 2021, 35 (9), pp. 1317–1328.
225. Al-Rayess H, Addo OY, Palzer E, Jaber M, Fleissner K, Hodges J, Brundage R, Miller BS, Sarafoglou K. "Bone Age Maturation and Growth Outcomes in Young Children with CAH Treated with Hydrocortisone Suspension." *J Endocr Soc.*, 2021 Dec 25;6(2):bvab193. doi: 10.1210/jendso/bvab193. PMID: 35047717
226. Bart, G., Giang, L.M., Yen, H., Hodges, J.S., Brundage, R.C. "Effect of HIV, antiretrovirals, and genetics on methadone pharmacokinetics: Results from the methadone antiretroviral pharmacokinetics study." (2021) *Drug and Alcohol Dependence*, Oct 1;227:109025. doi: 10.1016/j.drugalcdep.2021.109025. PMID: 34482033
227. Bart, G., Wastvedt, S., Hodges, J.S., Rosenthal, R. "Did drug use increase following COVID-19 relaxation of methadone take-out regulations? 2020 was a complicated year." (2022) *J. Subst. Abuse. Treat.*, 2022 Feb;133:108590. doi: 10.1016/j.jsat.2021.108590. PMID: 34373169.
228. Boucher, A.A., Wastvedt, S., Hodges, J.S., [9 authors elided], Bellin, M.D. "Portal Vein Thrombosis May Be More Strongly Associated with Islet Infusion Than Extreme Thrombocytosis after Total Pancreatectomy with Islet Autotransplantation." (2021) *Transplantation*, 105 (11), pp. 2499-2506.
229. Lara, L.F., Wastvedt, S., Hodges, J.S., [many authors elided], Bellin, M.D., POST Study Consortium. "The Association of Smoking and Alcohol Abuse on Anxiety and Depression in Patients with Recurrent Acute or Chronic Pancreatitis Undergoing Total Pancreatectomy and Islet Autotransplantation: A Report from the Prospective Observational Study of TPIAT Cohort." (2021) *Pancreas*, 50 (6), pp. 852-858.
230. Nakajima, M., [3 authors elided], Hodges, J.S., Pratt, R. "A Culturally Adapted Colorectal Cancer Education Video for the Somali Community in Minnesota: A Pilot Investigation." (2022) *American J. Health Promotion*, 36 (3), pp. 514-517.

231. Nakajima, M., [5 authors elided], Hodges, J., Mohamud, S., Ahmed, O., Hassan, O., al'Absi, M. "Psychosocial Correlates of Experience and Intention to Receive Colorectal Cancer Screening: A Cross-Sectional Study Among East African Men in the U.S." (2021) *J. Primary Prevention*, 42 (6), pp. 603-623.
232. Nathan, J.D., Yang, Y., [many authors elided], Hodges, J.S., Bellin, M.D. "Surgical approach and short-term outcomes in adults and children undergoing total pancreatectomy with islet autotransplantation: A report from the Prospective Observational Study of TPIAT: Surgical Approaches in Total Pancreatectomy with Islet Autotransplantation." (2022) *Pancreatology*, 22 (1), pp. 1-8.
233. Robbins, A.J., Luszczek, E., Bellin, M.D., Alwan, F.S., Hodges, J.S., Chapman, S.A., Beilman, G.J. "Gastrointestinal Bleed after Total Pancreatectomy with Islet Autotransplant." (2021) *Pancreas*, 50 (6), pp. 841-846.
234. Treister, N.S., [4 authors elided], Mitchell, R., [4 authors elided], Hodges, J.S., Lalla, R.V. "Exposed bone in patients with head and neck cancer treated with radiation therapy: An analysis of the Observational Study of Dental Outcomes in Head and Neck Cancer Patients (OraRad)." (2022) *Cancer*, 128 (3), pp. 487-496.
235. Trost, J.P., Chen, M., Stark, M.M., Hodges, J.S., Richter, S., Lindsay, A., Warren, G.L., Lowe, D.A., Kimberley, T.J. "Voluntary and magnetically evoked muscle contraction protocol in males with Duchenne muscular dystrophy: Safety, feasibility, reliability, and validity." (2021) *Muscle and Nerve*, 64 (2), pp. 190-198.
236. Wothe, J.K., Aidoo, R., [7 authors elided], Hodges, J.S., Bellin, M.D. "Reduced bone mineral density in the first year after total pancreatectomy with islet autotransplantation (TPIAT)." (2021) *Pancreatology*, 21 (8), pp. 1491-1497.
237. Vasu, S., Yang, J.M., Hodges, J., [many authors elided], Bellin, M.D. "Circulating miRNA in Patients Undergoing Total Pancreatectomy and Islet Autotransplantation." (2021) *Cell Transplant.* Jan-Dec 2021;30:963689721999330. doi: 10.1177/0963689721999330. PMID: 33902338, PMCID: PMC8718159
238. Roelofs, E.J., Dengel, D.R., Wang, Q., Hodges, J.S., Steinberger, J., Baker, S. "The role of FSH in body composition in hematopoietic cell transplant recipients." (2022) *Pediatric Transplantation*, 26 (1), 2022 Feb;26(1):e14130. doi: 10.1111/petr.14130. Epub 2021 Sep 5
239. Brennan, M.T., [6 authors elided], Hodges, J.S., Lalla, R.V. "Tooth Failure Post-Radiotherapy in Head and Neck Cancer: Primary Report of the Clinical Registry of Dental Outcomes in Head and Neck Cancer Patients (OraRad) Study." (2022) *International J. Radiation Oncology Biology Physics*. In Press.

### Peer-reviewed archived datasets

1. Hyun M, Hodges JS, Brearley AM. "Obstetrics and Periodontal Therapy (OPT) Dataset." *TSHS Resources Portal*, URL <https://www.causeweb.org/tshs/obstetrics-and-periodontal-therapy/> June 2019.

### Books

1. *Bayesian and Likelihood Methods in Statistics and Econometrics: Essays in Honor of George A. Barnard*, eds. S Geisser, JS Hodges, SJ Press, and A Zellner. North-Holland/American Elsevier, New York, 1990.

2. *Case Studies in Bayesian Statistics*, eds. C Gatsonis, JS Hodges, RE Kass, and ND Singpurwalla, Springer-Verlag, 1993.
3. *Case Studies in Bayesian Statistics, Volume II*, eds. C Gatsonis, JS Hodges, RE Kass, and ND Singpurwalla, Springer-Verlag, 1995.
4. *Case Studies in Bayesian Statistics, Volume III*, eds. C Gatsonis, JS Hodges, RE Kass, RE McCulloch, P Rossi, and ND Singpurwalla, Springer-Verlag, 1997.
5. *Richly Parameterized Linear Models: Additive, Time Series, and Spatial Models Using Random Effects*, JS Hodges, Chapman & Hall, 2013

## Reviews

1. Hodges JS. Review of AC Atkinson, *Plots, Transformations, and Regression*, in *Journal of the American Statistical Association*, Vol. 82, 689-691, 1987.
2. Hodges JS. Review of M West and J Harrison, *Bayesian Forecasting and Dynamic Models*, in *Journal of the American Statistical Association*, Vol. 86, 547-548, 1991.
3. Hodges JS, Pihlstrom BL. Review of nQuery Advisor (software). *Journal of Dental Research*, Vol. 77, 525-526, 1998.

## Commentary

1. Invited discussant of “Bayesian decision support using environmental transport-and-fate models”, by RL Wolpert, LJ Steinberg, and KH Reckhow, in *Case Studies in Bayesian Statistics*, eds. C Gatsonis, JS Hodges, RE Kass, and ND Singpurwalla, Springer-Verlag, 1993, 286-290.
2. Invited comment on “Statistical values, quality, and certification”, by PB Imrey, in *The American Statistician*, Vol. 48, 75, 1994.
3. Comment on “Some statistical heresies”, by JK Lindsey, in *The Statistician*, 48:36, 1999.
4. Comment on “Bayesian measures of model complexity and fit”, by DJ Spiegelhalter, NG Best, BP Carlin, and A van der Linde, *J. Royal Stat. Soc., Ser. B*, 64:631-632, 2002.
5. Comment on “Multiple bias modeling for analysis of epidemiologic data (with discussion)”, by S Greenland, *J. Royal Stat. Soc., Ser. A*, 168:267-306, Hodges comment p. 299, 2005.
6. Invited comment on “Estimating incumbency advantage and its variation”, by A Gelman and A Huang, in *J. Amer. Stat. Assn*, 103:437-451, 2008, Hodges comment pp. 448-449.
7. Invited comment, “Intention-to-treat has implications for study planning and execution, not just subject retention and followup”. *J. Clin. Perio.*, 35:683-684, 2008.
8. Hodges JS, Michalowicz BS, comment on “Issues and early evidence for the economic evaluation of the effects of periodontal therapy on pregnancy outcomes” by R Quinonez, SC Stearns. (*J Periodontol*, 79:203-206, 2008). *J Periodontol.*, 79:772, 2008; author reply 773.
9. Comment on “Approximate Bayesian inference for latent Gaussian models using integrated nested Laplace approximations (with discussion)”, by H Rue, S Martino, N Chopin, *J. Royal Stat. Soc., Ser. B*, 71:319-392, 2009, Hodges comment p. 371.



10. Invited comment, “Are exercises like this a good use of anybody’s time?”, *Ecology*, 91:12, 3496-3500, 2010; part of a forum on Heisey DM, Osnas EE, Cross PC, Joly DO, Langenberg JA, Miller MW, “Linking process to pattern: estimating spatiotemporal dynamics of a wildlife epidemic from cross-sectional data”, *Ecological Monographs* 80:2, 221-240, 2010.
11. Invited comment, “We can understand complex models (at least, sometimes)”, *Environmetrics*, 24:527-528, on Szpiro AA & Paciorek CJ “Measurement error in two-stage analyses, with application to air pollution epidemiology”, *Environmetrics*, 24:501-517, 2013.
12. Fienberg SE, Hodges JS, Luo LY, letter to the editor of *J. American Statistical Association* book review section about Yang Y, Land KC *Age-Period-Cohort Analysis: New Models, Methods, and Empirical Applications*, 110:457, with rejoinder, 2015.
13. Invited comment on Finucane MM, Paciorek CJ, Stevens GA, Ezzati M, “Semiparametric Bayesian Density Estimation With Disparate Data Sources: A Meta-Analysis of Global Childhood Undernutrition”, *J. American Statistical Association Applications and Case Studies* invited paper, 110:903–905, 2015.
14. “Swinging for the fence in a league where everyone bunts.” Invited comment on Simpson DP, Rue H, Martins T, Riebler A, Sørbye SH, “Penalising model component complexity: A principled, practical approach to constructing priors”. *Statistical Science*, 32:33-35, 2017.
15. Pihlstrom BL, Hodges JS, Michalowicz B, Wohlfahrt JC, Garcia RI. “Promoting oral health care because of its possible effect on systemic disease is premature and may be misleading.” *J Am Dent Assoc.*, 149(6):401-403, doi: 10.1016/j.adaj.2018.03.030, PMID: 29804570, 2018. Authors’ response to letters: Pihlstrom BL, Hodges JS, Michalowicz B, Wohlfahrt JC, Garcia RI. *J Am Dent Assoc.*, 149(9):751-752, doi: 10.1016/j.adaj.2018.07.010, PMID: 30165973, 2018

## Refereed RAND Publications

1. Hodges JS. *Modeling the Demand for Spare Parts: Estimating the Variance-to-Mean Ratio and Other Issues*, RAND, N-2086-AF, 1985.
2. Levine RA, Hodges JS, Goldsmith M. *Utilizing the Data from the Army’s National Training Center: Analytical Plan*, RAND, N-2461-A, 1986.
3. Myers CW, Alexander AJ, Hodges JS. *Superfund Remedial Program Improvement Options: Evaluation Design*, RAND, N-2530-EPA, 1986.
4. Goldsmith M, Hodges JS. *Applying the National Training Center Experience: Tactical Reconnaissance*, RAND, N-2628-A, 1987.
5. Draper DC, Hodges JS, Leamer EE, Morris CN, Rubin DB. *A Research Agenda for Assessment and Propagation of Model Uncertainty*, RAND Corporation, N-2683-RC, 1987.
6. Goldsmith M, Hodges JS, Burn ML III. *Applying the National Training Center Experience: Artillery Targeting Accuracy*, RAND, N-2984-A, 1990.
7. Hodges JS. *Onward Through the Fog: Uncertainty and Management Adaptation in Systems Analysis and Design*, RAND, R-3760-AF/A/OSD, 1990.
8. Hodges JS, Dewar JA. *Is It You or Your Model Talking? A Framework for Model Validation*, RAND, R-4114-AF/A/OSD, 1992.

9. Hillestad R, Solomon K, Chow B, Kahan J, Hoffman B, Brady S, Stoop J, Hodges JS, Kloost-erhuis H, Stiles G, Frinkling E, Carrillo M, *Airport Growth and Safety: A Study of the External Risks of Schiphol Airport and Possible Safety-Enhancing Measures*, RAND, MR-288-EAC/VW, 1993.
10. Hodges JS. *Models and Algorithms for Repair Parts Investment and Management*, RAND, MR-314-A/USN, 1993.
11. Brauner MK, Hodges JS, Relles DA. *Using Value to Manage Repair Parts: An Annotated Briefing*, RAND, MR-311-A/USN, 1993.
12. Brauner MK, Hodges JS, Relles DA. *An Approach to Understanding the Relative Value of Parts*, RAND, MR-313-A/USN, 1993.
13. Dewar JA, Bankes SC, Hodges JS, Lucas T, Saunders-Newton D, Vye P. *Credible Uses of the Distributed Interactive Simulation (DIS) System*, RAND, MR-607-A, 1996.

## EDITORIAL ACTIVITY

Associate Editor, Applications and Case Studies Section, *Journal of the American Statistical Association*, 1990-1997, 2012-2017.

Associate Editor, Special Section on Quality Control in Federal Welfare Programs, *Journal of the American Statistical Association*, 1989.

Refereeing, journals: *American J. of Epidemiology*, *Annals of Applied Statistics*, *Applied Statistics*, *Austrian J. Statistics*, *Bayesian Analysis*, *Bayesian Statistics 7*, *Biometrics*, *Biometrika*, *Biostatistics*, *Canadian J. Statistics*, *Clinical Trials*, *Computational Statistics and Data Analysis*, *Controlled Clinical Trials*, *Contemporary Drug Problems*, *Ecology*, *Environmetrics*, *European J. Operations Research*, *Hacettepe Journal of Mathematics and Statistics*, *Interfaces*, *International Statistical Review*, *J. American Dental Assn.*, *J. American Statistical Assn.*, *J. Business and Economic Statistics*, *J. Clinical Periodontology*, *J. Computational and Graphical Statistics*, *J. Dental Research*, *J. Exposure Analysis and Environmental Epidemiology*, *J. General Internal Medicine*, *J. Periodontology*, *J. Prosthetic Dentistry*, *J. Royal Statistical Society (Series A)*, *J. Royal Statistical Society (Series B)*, *J. Royal Statistical Society (Series C)*, *J. Statistical Planning and Inference*, *Medical Care*, *Scandinavian J. Statistics*, *Sociological Methodology*, *Spatial Statistics*, *Statistical Modeling*, *Statistical Science*, *Statistics in Medicine*, *Stochastic Environmental Research & Risk Assessment*, *Technometrics*, *The American Statistician*, *TEST*, *Transactions in Biomedical Engineering*.

Grant reviewing: Austrian Science Fund, FONDECYT (Chilean equivalent of NSF), National Academy of Sciences, National Institute of Child Health and Human Development (NICHD), National Institute of Dental and Craniofacial Research (NIDCR), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Science Foundation, National Security Agency

## PROFESSIONAL ACTIVITY

Research subject in six health-care research studies.

Judge, Savage Award competition (for outstanding doctoral dissertation), International Society for Bayesian Analysis, 2018.

Member, Data and Safety Monitoring Board, NIDDK Kidney Precision Medicine Project, 2018-2021

Member, Data and Safety Monitoring Board, NIDDK Pilot Studies of Candidate Therapies for Chronic Kidney Disease (CKD) Cooperative Agreement, 2013-2018

Statistical Member, External Advisory Board, NIDDK Consortium for Radiographic Imaging Studies in Polycystic Kidney Disease (CRISP III), 2011-2016

Member, Data and Safety Monitoring Board, Xylitol for Adult Caries Trial (X-ACT), Kaiser-Permanente Center for Health Research, funded by National Institute of Dental and Craniofacial Research, 2007-2012

Member, Board of Directors, Task Force on [Oral Health Research] Design and Analysis, Inc., 2007-2012

Program Committee, Third International Conference on Knowledge Discovery and Datamining (KDD-97), Newport Beach, California, Aug 1997

Member, Human Subjects Committee (Institutional Review Board), University of Minnesota, 1996-1997

Invited participant, Committee on Applied and Theoretical Statistics conference on “Statistical Challenges and Possible Approaches in the Analysis of Massive Data Sets”, Jul 1995.

Invited commentator, Department of Health and Human Services Task Force on AIDS Drug Development, Feb 1995.

Invited participant, Committee on National Statistics Workshop on Statistical Issues in Defense Analysis and Testing, session on “Risk Assessment and Costs,” Sept 1992

Member, American Statistical Association Committee on National and International Security, 1988-1994.

## **ADMINISTRATIVE ACTIVITY**

In the Division of Biostatistics:

Member, School of Public Health Appointment, Promotion, Tenure Committee, 2021–present  
Member, School of Public Health Ad Hoc Committee [on appointment and tenure policy], 2021  
Division of Biostatistics Admissions Committee, Member 2015-2019, Chair 2017-2019  
Chair, School of Public Health Doctoral Dissertation Fellowship Committee, 2014-2019  
Member, School of Public Health Doctoral Dissertation Fellowship Committee, 2011-2013  
Chair, School of Public Health Recognition, Awards, and Honors Committee, 2014-2019  
Chair, Faculty Search Committee, 2011  
Member, Faculty Search Committee, 2000, 2014, 2015, 2017  
Member, School of Public Health Research Committee, 2004-2006  
Research Associate Search Committee, 2001  
Admissions Committee, Clinical Research MS Program (Division of Epidemiology), 2000-2003  
Chair, Recruitment [of grad students] Committee, 1995-1996  
Member, a great variety of committees to review seed grants and other applications

University of Minnesota School of Statistics:

Host Committee, School of Statistics 40th Anniversary Reunion, 2011.

In the Dental School and the Division of Biostatistics:

Director, Data & Coordinating Center, OPT Study, 2002-2006

In the Oral Health Clinical Research Center:

Steering Committee, 1996-2007  
Director, Biostatistics Core, 1996-2007

In CPCRA:

Group Leader, 1993-1996  
Member, Scientific Agenda Committee and HIV Therapies subcommittee, 1994-1996

At RAND:

Project Leader, “Enhancing the Responsiveness of Naval Aviation Logistics,” 1989

Member, Statistics Search Committee, 1985-1993; Chair, 1988-1991  
Coordinator, Statistical Consulting Service, 1987-1993  
Project Leader, "Combat Analysis Laboratory," 1986-1987  
Organizer of Combat Analysis Seminar Series, 1986-1991

## EDUCATIONAL ACTIVITY

Division of Biostatistics PhD students:

1. Dan Sargent 1996, "A general framework for hierarchical survival models in the Cox proportional hazards regression setting".
2. Jiannong Liu 2001, "Characterizing modality of the posterior for hierarchical models".
3. Brian Reich 2005, "Neighbor relation modeling and variance component identification in hierarchical areal data models with application to periodontology, cancer epidemiology, and sports".
4. Haolan Lu 2005 (co-supervised with Brad Carlin), "Measuring the complexity of generalized linear hierarchical models and Bayesian areal wombling for boundary analysis".
5. Yi He 2006, "Improving Bayesian analysis and computing in multiple-precision models".
6. Yue Cui 2007, "Smoothing analysis of variance for general designs and partitioning degrees of freedom in hierarchical and other richly-parameterized models".
7. Yufen Zhang 2009, "Extending smoothed analysis of variance to new problems".
8. Lisa Henn 2015 (co-supervised with John Hughes), "Challenges in the analysis of data with clustering or correlation".
9. Maitreyee Bose 2016, "Understanding Gaussian process fits and some model building tools using an approximate form of the restricted likelihood".
10. Kollin Rott, expected 2025, on causally-interpretable meta-analysis.

RAND Graduate School PhD student: Adnan Rahman 1995, "Dealing with model uncertainty in policy analysis: Comparing *Pick-the-best* with *Model-Mixing* approaches".

Division of Biostatistics MS advisees: Tine Neilsen 1994, Jianyuan Wang 1995, Lisa Bjorling 1995, Lucy Hanna 1995, Kathy Huppler-Hullsiek 1996, Karen Clifton 1997, Erika Rothe 1997, Peiming Ma 1997, Brent Johnson 1997, Wenli Hao 1998, Yihua Zhao 1999, Tricia Roberts 1999, Katie Schaaf 2000, Qiao Fan 2002, Jamie Hoel 2004, Scott Wehrenberg 2005, Qing Cao 2006, Tarek Haddad 2007, Qun Shi 2008, Kristen Ward 2010, Xiaoyan Sheng 2011, Liying Luo 2011, Liangxing Zou 2012, Irine Jepchirchir 2014, John Ssenkusu 2014.

PhD committees: 57 in addition to my advisees, with 39 in Biostatistics and 18 in other departments: Statistics (4), Physical Medicine & Rehabilitation (3), Health Policy & Management (3), Environmental Health Sciences (2), Epidemiology (2), Health Informatics, Social Work, Sociology, and Applied Economics.

School of Dentistry: About 100 examination committees.

Division of Biostatistics, created and taught a 3-credit PhD-level special topics course, "PubH 8492: Theories of hierarchical and other richly-parameterized models", Spring 2008, 2010, 2012, 2014, 2016, 2018, 2020.

Division of Biostatistics, independent study course on spatial statistics for Austin Rau (PhD student, Division of Environmental Health Sciences), 2021.

Division of Biostatistics, guest lectures in graduate courses on Bayesian analysis, clinical trials, correlated data, longitudinal data analysis, regression diagnostics, research methods, sequential analysis, 1995, 1996, 1999, 2004, 2011–present.

Division of Biostatistics, created and taught a 2-credit course, “Written Communications for Biostatistics,” 1995, 1996.

Faculty, Summer Clinical Research Training Workshop, given by the Minnesota Oral Health Clinical Research Center, 1997-2003.

Minneapolis Veterans Affairs Medical Center, created and taught a short course, “Everything Is A Mixed Linear Model”, 2008.

Division of Biostatistics, finished teaching “Statistical Methods for Correlated Data” after the professor left the University, 2008.

School of Dentistry, guest lectures in undergraduate course on research methods, 2001.

Faculty, Society for Clinical Trials pre-conference workshop “Data Monitoring Board Practicum: Hands-on Workshop”, May 1996.

RAND Statistics Short Course, “The Kalman Filter: Statistical Models for Time-Varying Regressions,” with John Adams, 1990.

Supervised RAND summer interns: John Grego, 1986; Sally Morton, 1987; John Adams, 1987; Brian Aldershof, 1988; Phil Everson, 1991

College of Biological Sciences Honors Thesis Reader: Jon Strong 2009.

Twin Cities Jewish Middle School, guest lecturer, 1997.

## INVITED TALKS

1. NBER-NSF Seminar on Bayesian Inference In Econometrics and Statistics, University of California, Riverside, Oct 1986.
2. American Ornithologists’ Union meetings, San Francisco, Aug 1987.
3. NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics, Gainesville, Florida, Oct 1987.
4. Division of Biostatistics, University of California, Los Angeles, Nov 1987.
5. Department of Mathematics, California State University, San Bernardino, Feb 1988.
6. Department of Statistics, University of California, Berkeley, Apr 1988.
7. ORSA/TIMS Annual meetings, Denver, Colorado, Oct 1988.
8. Institute for Statistics and Decision Sciences, Duke University, Oct 1988.
9. Department of Statistics and Applied Probability, University of California, Santa Barbara, Jan 1989.
10. West Los Angeles Section, Southern California Chapter, American Statistical Association, Feb 1989.
11. Invited discussant, Workshop on Bayesian Robustness, Purdue University, Mar 1989.
12. NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics, Columbia, Missouri, Apr 1989.

13. Operations Research Department, Naval Postgraduate School, Monterey, California, Jun 1989.
14. MORS Minisymposium on Simulation Validation, Albuquerque, New Mexico, Oct 1990.
15. U.S. Naval Aviation Depots Material Management Executive Board, Norfolk, Virginia, Jan 1991.
16. Fourth Valencia International Meeting on Bayesian Statistics, Peniscola, Valencia, Spain, Apr 1991.
17. Summer Computer Simulation Conference, Baltimore, Maryland, Jul 1991 (talk given by Jim Dewar).
18. George Washington University, Operations Research Department, Washington, DC, Jul 1991.
19. American Statistical Association annual meetings, Atlanta, Aug 1991.
20. Invited discussant, American Statistical Association annual meetings, Atlanta, Aug 1991.
21. MORS Minisymposium on Simulation Validation, Alexandria, Virginia, Mar 1992.
22. Euro TIMS Meeting, Helsinki, Finland, Jun 1992. Talk given by Jim Dewar.
23. Invited discussant, Committee on National Statistics Workshop on Statistical Issues in Defense Analysis and Testing, session on "Risk Assessment and Costs," Sept 1992
24. Invited discussant, 38th Army Research Organization Conference on the Design of Experiments, Santa Monica, CA, Oct 1992.
25. School of Statistics, University of Minnesota, Nov 1993.
26. International Workshop on Hierarchical Models, Rio de Janeiro, Brazil, Dec 1993.
27. WNAR meeting, Los Angeles, California, Jun 1994.
28. RAND Corporation, Santa Monica, California, Jun 1994.
29. Coordinating Centers for Biometric Research, University of Minnesota, Jul 1994.
30. International Society for Bayesian Analysis, Toronto, Canada, Aug 1994.
31. Conference on Forecasting, Prediction, and Modeling in Statistics and Econometrics, National Chiao Tung University, Hsinchu, Taiwan, Dec 1994.
32. Division of Biostatistics, University of Minnesota, Jan 1995.
33. Cambridge Healthtech Institute, 2nd Annual HIV Clinical Trials Workshop, Washington DC, Mar 1995.
34. Harvard School of Public Health, Boston, Massachusetts, Mar 1995.
35. RAND Corporation, Santa Monica, California, Jun 1995.
36. National Institute of Allergy and Infectious Disease, Statistical Issues in HIV/AIDS Research, Jun 1995.
37. AT&T Bell Labs, Murray Hill, New Jersey, Jul 1995.
38. St. Cloud State University, St. Cloud, Minnesota, Nov 1995

39. Iowa State University, Nov 1995
40. UCLA School of Public Health, Los Angeles, California, Feb 1996.
41. US Food and Drug Administration, Antiviral Drug Advisory Committee, Washington DC, Feb 1996
42. Invited discussant, ENAR Spring Meeting, Richmond, Virginia, Mar 1996
43. St. Cloud State University, St. Cloud, Minnesota, Apr 1996
44. Mayo Clinic, Rochester, Minnesota, May 1996
45. 25th Anniversary Meeting, School of Statistics, University of Minnesota, Jun 1996
46. Joint Statistical Meetings, Chicago, Illinois, Aug 1996
47. RAND Corporation, Santa Monica, California, Apr 1997
48. Task Force on [Dental Research] Design and Analysis, Inc., Newark, New Jersey, May 1997
49. Joint Statistical Meetings, Anaheim, California, Aug 1997 (invited speaker and invited discussant)
50. Knowledge Discovery and Data-mining '97, Newport Beach, California, Aug 1997
51. Carnegie-Mellon University, Pittsburgh, Pennsylvania, Sept 1997
52. Royal Statistical Society, London, England, Oct 1997
53. Imperial College of Science and Technology, London, England, Oct 1997
54. Lancaster University, Lancaster, England, Oct 1997
55. St. Cloud State University, St. Cloud, Minnesota, Apr 1998
56. Mayo Clinic, Rochester, Minnesota, Jul 1998
57. Twin Cities Chapter, American Statistical Association, Rochester, Minnesota, Jul 1998
58. Task Force on [Dental Research] Design and Analysis, Inc., Newark, New Jersey, Nov 1998
59. Beth Jacob Congregation, Mendota Heights, Minnesota, May 1999
60. Task Force on [Dental Research] Design and Analysis, Inc., Newark, New Jersey, Nov 2000
61. Biometric Society Eastern North American Region Annual Meetings, Charlotte, North Carolina, Mar 2001
62. Task Force on [Dental Research] Design and Analysis, Inc., Newark, New Jersey, Nov 2001
63. Harvard School of Public Health, Cambridge, Massachusetts, Nov 2001
64. School of Statistics, University of Minnesota, Minneapolis, Minnesota, May 2002
65. Dept of Statistics, University of Iowa, Iowa City, Iowa, Dec 2002
66. International Conference on Evidence-Based Dentistry, Atlanta, Georgia, Nov 2003
67. Twin Cities Chapter, American Statistical Association, Minneapolis, Minnesota, Dec 2003
68. International Association for Dental Research Annual Meetings, Honolulu, Hawaii, Mar 2004

69. Center for Chronic Disease Outcomes Research, Minneapolis Veterans' Affairs Medical Center, Minneapolis, Minnesota, Jul 2004
70. Division of Biostatistics, University of Minnesota, Minneapolis, Minnesota, Nov 2004
71. Naval Postgraduate School, Monterey, California, Feb 2005
72. RAND Corporation, Santa Monica, California, Feb 2005
73. Joint Statistical Meetings, Invited Presentation, Minneapolis, Minnesota, Aug 2005
74. Division of Biostatistics, University of Minnesota, Minneapolis, Minnesota, Oct 2005
75. Division of Biostatistics, University of Minnesota, Minneapolis, Minnesota, Oct 2006
76. Section of General Internal Medicine, Minneapolis Veterans' Affairs Medical Center, Minneapolis, Minnesota, Jan 2007
77. Division of Biostatistics, Columbia University, New York, May 2007
78. Augsburg College, Minneapolis, Minnesota, Oct 2007
79. Center for Chronic Disease Outcomes Research, Minneapolis Veterans Affairs Medical Center, Minneapolis, Minnesota, Jan 2008
80. Invited Speaker, Joint Statistical Meetings, Washington DC, Aug 2009
81. Mayo Clinic — University of Minnesota Biostatistics Colloquium, Rochester MN, Oct 2009
82. Task Force on [Dental Research] Design and Analysis, Inc., Newark, New Jersey, Nov 2009
83. Division of Biostatistics, University of Minnesota, Minneapolis, Sept 2010
84. Task Force on [Dental Research] Design and Analysis, Inc., Newark, New Jersey, May 2012
85. Department of Biostatistics, University of Washington, Seattle, May 2012
86. Division of Biostatistics, University of Minnesota, Minneapolis, Sept 2012
87. Joint Statistical Meetings (Topic Contributed Paper), Montreal, Quebec, Canada, Aug 2013
88. MD Anderson Cancer Center, Houston, Texas, May 2014
89. Joint Statistical Meetings, invited discussant, *Journal of the American Statistical Association* Applications and Case Studies invited paper, Seattle, Washington August 2015
90. Division of Biostatistics, University of Minnesota, Minneapolis, Minnesota, April 2016
91. Department of Biostatistics, UCLA, Los Angeles, California, May 2017
92. RAND Corporation, Santa Monica, California, May 2017
93. Joint Statistical Meetings (Topic Contributed Paper), Vancouver, BC, Canada, Aug 2018
94. National Taiwan University School of Public Health, Taipei, Taiwan, Dec 2019
95. National Tsing Hua University, Institute of Statistics, HsinChu, Taiwan, Dec 2019
96. Academia Sinica, Institute of Statistical Sciences, Taipei, Taiwan, Dec 2019
97. University of Nebraska Medical Center, Department of Biostatistics, Lincoln, NE, Oct 2020

April 2022