CURRICULUM VITA

**David M. Thompson**

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 Oklahoma City, OK, 73118

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**EDUCATION**

Ph.D., Biostatistics 2003 University of Oklahoma, Oklahoma City, Oklahoma

M.S., Biostatistics 1999 University of Oklahoma, Oklahoma City, Oklahoma

B.S., Physical Therapy 1984 University of Oklahoma, Oklahoma City, Oklahoma

M.Ed., Educational Foundations 1981 University of Hawaii, Honolulu, Hawaii

B.A, History 1974 Princeton University, Princeton, New Jersey

**PROFESSIONAL EXPERIENCE**

November 2003 – June 2017 Assistant Professor (2003-2010); Associate Professor (2010-2017), Department of Biostatistics and Epidemiology, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma

January 2002 – October 2003 Graduate Research Assistant, Department of Biostatistics and Epidemiology, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma

July 1988-December 2001 Adjunct Assistant Professor (July 1988-October 1992); Assistant Professor (October 1992-December 2001), Department of Physical Therapy and Department of Rehabilitation Science, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma

July 1984‑ July 1988 Physical Therapist, O'Donoghue Rehabilitation Institute, Oklahoma City, Oklahoma

1984, May‑June Clinical Research Affiliate, Applied Kinesiology Laboratory, Washington University, St. Louis, Missouri

**OTHER EXPERIENCE**

1982-1983 Caseworker, Big Brothers and Big Sisters, Oklahoma City, OK.

1979-1981 Youth Training Counselor, Oklahoma Halfway House, Oklahoma City, OK.

1977-1979 Research Assistant, Culture Learning Institute, East-West Center, Honolulu, Hawaii

1975‑1977 Peace Corps Volunteer (Secondary Education), Fiji

**LICENSURE AND CERTIFICATION**

1984-2023 Oklahoma physical therapy license (PT1223)

**AWARDS AND HONORS**

2016 Dean’s Master Teacher Award, College of Public Health, University of Oklahoma Health Sciences Center

2015 President’s Associates Presidential Professor, University of Oklahoma

2009 Regent's Award for Superior Teaching, University of Oklahoma Board of Regents

2008 Dr. Robert Magarian Outstanding Faculty Award, presented by HSC Student Association, University of Oklahoma Health Sciences Center (HSCSA)

2007Outstanding Faculty Award in Research or Scholarly Achievement, Department of Biostatistics and Epidemiology, College of Public Health,

2006 Best Contributed Paper, Statistics and Data Analysis Section, SAS Users' Group International (SUGI) 31st Annual Meeting, San Francisco, CA, March 26-29, 2006

2005 Outstanding Faculty Award for Teaching and Mentoring, Department of Biostatistics and Epidemiology, College of Public Health, University of Oklahoma Health Sciences Center

2004 Xi Chapter, Delta Omega, Public Health Honor Society

2002 Roy B. Deal, Jr. Scholarship, Department of Biostatistics and Epidemiology, College of Public Health, University of Oklahoma Health Sciences Center

2001 Outstanding Senior Faculty in Teaching, College of Allied Health, University of Oklahoma Health Sciences Center

**PUBLICATIONS**

List maintained online by the National Center for Biotechnology Information (NCBI):

[**https://www.ncbi.nlm.nih.gov/myncbi/1f1mDyy6tu8Qo/bibliography/public/**](https://www.ncbi.nlm.nih.gov/myncbi/1f1mDyy6tu8Qo/bibliography/public/)

David M. Thompson retired in 2017 as Associate Professor (Emeritus) in the Department of Biostatistics and Epidemiology, University of Oklahoma Health Sciences Center. He provided research design and statistical support to research teams in public health and clinical medicine, serving as Associate Director of the department’s Research Design and Analysis Center (BSE RDAC) and directing the Training Unit within the Biostatistics, Epidemiology, Research and Design (BERD) core, part of the Oklahoma Shared Clinical and Translational Resources (OSCTR). He taught courses in applied linear statistical models, nonparametric statistics, and longitudinal data analysis.

His research interests included longitudinal data analysis and latent class analysis. He was part of a team at the OUHSC that developed workshops in evidence-based health care. Collaborations resulted in publication of research using generalized linear mixed models to address correlated ordinal responses among air quality inspectors (Johnson, Thompson, Clinkenbeard & Redus, 2008); GEE and mixed models to explore longitudinal outcomes in a cohort of surgical patients (Elkins, Thompson, Lane, Elkins & Payton 2008); GEE models to assess highly clustered dental data (Thompson, Lee, Stoner, Golub, Nummikoski & Payne, 2019); cluster-adjustment of Bland-Altman techniques to evaluate correlated EEG measurements in patients undergoing anesthesia (Ozcan, Thompson, Cure, Hine & Roberts, 2009); cluster-adjustment of estimates of sensitivity and specificity related to patients’ reported use of multiple medications (Hanigan, Dela Cruz, Shord, Medina, Fazili & Thompson DM, 2010); and nonlinear regression models that detected points of inflection among longitudinal measures of biomarkers (Ray, Pandav, Mathews, Thompson, Ford et al., 2018).

Johnson D, Thompson D, Clinkenbeard R, Redus J. Professional judgment and the interpretation of viable mold air sampling data. J Occup Environ Hyg. 2008 Oct;5(10):656-63. doi: 10.1080/15459620802310796. PubMed PMID: 18668405.

Elkins RC, Thompson DM, Lane MM, Elkins CC, Peyton MD. Ross operation: 16-year experience. J Thorac Cardiovasc Surg. 2008 Sep;136(3):623-30, 630.e1-5. doi: 10.1016/j.jtcvs.2008.02.080. PubMed PMID: 18805263.

Ozcan MS, Thompson DM, Cure J, Hine JR, Roberts PR. Same-patient reproducibility of state entropy: a comparison of simultaneous bilateral measurements during general anesthesia. Anesth Analg. 2009 Jun;108(6):1830-5. doi: 10.1213/ane.0b013e31819dc668. PubMed PMID: 19448208.

Hanigan MH, Dela Cruz BL, Shord SS, Medina PJ, Fazili J, Thompson DM. [Optimizing chemotherapy: concomitant medication lists.](https://www.ncbi.nlm.nih.gov/pubmed/21124312/) Clin Pharmacol Ther. 2011 Jan;89(1):114-9. doi: 10.1038/clpt.2010.253. Epub 2010 Dec 1. PubMed PMID: 21124312; PubMed Central PMCID: PMC3826435.

Ray B, Pandav VM, Mathews EA, Thompson DM, Ford L, Yearout LK, Bohnstedt BN, Chaudhary S, Dale GL, Prodan CI. [Coated-Platelet Trends Predict Short-Term Clinical Outcome After Subarachnoid Hemorrhage.](https://www.ncbi.nlm.nih.gov/pubmed/29224114/) Transl Stroke Res. 2018 Oct;9(5):459-470. doi: 10.1007/s12975-017-0594-7. Epub 2017 Dec 9. PubMed PMID: 29224114.

Thompson DM, Lee HM, Stoner JA, Golub LM, Nummikoski PV, Payne JB. Loss of alveolar bone density in postmenopausal, osteopenic women is associated with circulating levels of gelatinases. J Periodontal Res. 2019 Apr 29;. doi: 10.1111/jre.12656. [Epub ahead of print] PubMed PMID: 31032961.

Thompson DM, Zhao YD. Choosing statistical models to assess biological interaction as a departure from additivity of effects. Epidemiology Biostatistics and Public Health. 2023; 18(1):85-92. DOI:[10.54103/2282-0930/20180](http://dx.doi.org/10.54103/2282-0930/20180)