

# CURRICULUM VITAE

## Pippa M. Simpson PhD

Adjunct Professor  
Department of Pediatrics  
Division of Quantitative Health Services

### OFFICE ADDRESS:

Translational and Biomedical Research Center  
8701 Watertown Plank Rd  
Milwaukee, WI 53226

### EDUCATION:

1967 B.A., Honors, University of Adelaide, Adelaide  
1974 M.Sc. with Distinction, University of London, London  
1988 Ph.D., University of Kentucky

### POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

1970 - 1971 Research in Operations Research, University of Adelaide, Adelaide, Australia  
1988 Visiting Scholar, Department of Statistics, University of Adelaide, Adelaide, Australia

### FACULTY APPOINTMENTS:

1968 - 1969 (Lecturer) Assistant Professor, Department of Economics, University of Adelaide, Adelaide, Australia  
1972 - 1973 Tutor, School of Mathematics and Data Processing, South Australian University, Adelaide, Australia  
1976 - 1980 Assistant Professor (tenured), Dept. of Computer Science and Statistics, Queen Mary College, University of London, London, England  
1976 - 1981 Assistant Professor (tenured), Dept. of Computer Science and Statistics, Queen Mary College, University of London, London, England  
1990 - 1993 Assistant Professor, Dept. of Biostatistics, Medical College of Virginia/Virginia Commonwealth University, Richmond, VA  
1993 - 1996 Assistant Professor, Biostatistician, Dept. of Pediatrics, Wayne State University, Detroit, MI  
1996 - 1997 Associate Professor, , Biostatistician, Dept. of Pediatrics, Wayne State University, Detroit, MI  
1997 - 2001 Associate Professor, Biostatistician, Dept. of Pediatrics, University of Arkansas for Medical Sciences, Little Rock, AR  
2001 - 2007 Professor (tenured), Section Chief of Biostatistics, Dept. of Pediatrics, University of Arkansas for Medical Sciences, Little Rock, AR  
2001 - 2007 Professor, Department of Biostatistics, College of Public Health, University of Arkansas for Medical Sciences, Little Rock, AR  
2007 - Present Professor, Department of Pediatrics and Population Health, Medical College of Wisconsin, Milwaukee, WI

### ADMINISTRATIVE APPOINTMENTS:

1974 - 1975 Senior Research Assistant, Dept. of Statistics, Queen Mary College, University of London, London, England  
1975 - 1976 Research Associate, International Statistics Institute/World Fertility Survey, London, England  
1989 - 1990 Senior Statistical Consultant, Dept. of Computing and Telecommunications, University of Louisville, Louisville, KY  
2007 - Present Section Chief, Department of Pediatrics, Section of Quantitative Health Sciences, Medical College of Wisconsin, Milwaukee, WI

**AWARDS AND HONORS:**

1964 - 1967 Australian Commonwealth Undergraduate Scholarship  
1967 First Class Honors Degree, University of Adelaide, Adelaide, Australia  
1970 - 1971 Australian Commonwealth Postgraduate Scholarship  
1974 Distinction for Master's Degree, University of London  
1981 - 1983 University of Kentucky Fellowship  
1999 Vice-President of the Central Arkansas Statistical Association, CASA  
2000 President of the Central Arkansas Statistical Association, CASA  
2001 Certificate of Appreciation for 1-Year Service as Arkansas Regional Science Fair Judge

**MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:**

1968 - 1972 Founding Member and Secretary of the South Australian Branch of the Australian Society of Operations Research  
1975 - 1977 Fellow of the Royal Statistical Society  
1978 - 1979 Queen Mary College Representative for the United Kingdom (Survey Research Archives)  
1978 - Present Member of the American Statistical Association  
1979 - Present European Representative for BMPD  
1983 - Present Biometrics Society (ENAR Division)  
1993 - Present Society for Clinical Trials  
1996 - Present Drug Information Association  
1996 - Present Fellow of the Royal Statistical Society

**EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:**

Journal Review  
American Journal of Psychiatry  
Biometrics  
Communications for Statistics  
Journal of Clinical Pharmacology and Therapeutics  
Journal of Pediatrics  
Journal of Clinical Consulting and Clinical Psychology  
Journal of Pharmacology and Experimental Therapeutics  
Medical and Pediatric Oncology

**LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:**

1992 - 1997 Children's Hospital of Michigan Research Endowment Committee  
1992 - 1997 Children's Hospital of Michigan Internal Review Board Member: Also served as member on the IRB Subcommittees on PET Studies and Ethics (Served as Vice-Chair 1995-1996)  
1993 - 1997 Children's Hospital of Michigan Committee on Medical Informatics  
1994 - 1997 Children's Hospital of Michigan Sickle Cell Data Base Committee  
1994 - 1997 Children's Hospital of Michigan Library Committee  
1996 Wayne State University Center for Health Care Effectiveness Grant Review Committee  
1997 - 1999 The Arkansas Center for Birth Defects Health and Prevention, Center for Disease Control's Research Planning Committee  
1997 - 2000 University of Arkansas for Medical Sciences, The Office of Health Care Research (OHCR) Committee  
1997 - 2000 University of Arkansas for Medical Sciences, Human Research Advisory Committee (Institutional Review Board)  
1997 Arkansas Children's Hospital, Department of Pediatrics, Research Committee for Computing  
1997 Children's Hospital of Michigan Research Committee for Pediatric Dentistry Residents  
1997 Wayne State University Center for Health Care Effectiveness Database Development for Research and Clinical Practice Improvement Course Development Committee  
1997 - 1999 The Arkansas Reproductive Health Monitoring System (ARHMS) Committee  
1999 - Present USDA/ARS Lower Mississippi Delta Nutrition Intervention Research Initiative, Data Analysis Committee, Chairman  
1999 - Present USDA/ARS Lower Mississippi Delta Nutrition Intervention Research Initiative, Publication, Executive, Community Assessment, Nutrition, Food Security and Health Committees, Member

- 1999 - Present Arkansas Department of Health, Genetics Committee Member
- 2000 - Present Data Safety Monitoring Board of the Phase III Myeloma and Transplant Research Center at UAMS
- 2003 University of Arkansas for Medical Sciences School of Public Health Curriculum Committee for Doctoral Program
- 2004 - 2006 University of Arkansas, Little Rock, Steering Committee for Bioinformatics
- 2009 - Present Wisconsin Pediatric Cardiology Registry Committee
- 2010 - Present President and Dean Information Technology Committee

**NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:**

- 1976 - 1979 Consultant for the World Fertility Survey, International Statistical Institute, London, England
- 1982 - 1983 Statistical Consultant, Statistical Consulting Laboratory, University of Kentucky, Lexington, KY
- 1983 - 1987 Statistical Consultant for Site Research Group, Louisville, Kentucky
- 1985 - 1987 Statistical Consultant - To Members of the Departments of Obstetrics, Gynecology and Anesthesiology, University of Louisville, Louisville, Kentucky
- 1991 - 1993 Director of Statistical Consulting Laboratory, Medical College of Virginia, Richmond, Virginia
- 1991 Consultant to National Institute for Drug Abuse, Washington, DC
- 1992 - 1993 Fellow, Thomas Jefferson Health Policy Institute, Charlottesville, VA
- 1992 - 1993 Consultant to Anesthesiology and Radiation Oncology Departments, Medical College of Virginia, Richmond, Virginia
- 1992 - 1996 Consultant to Lifenet for Donation of Organ Study, Richmond, Virginia
- 1993 - 1996 Consultant to Endocrinology, Detroit Medical Center, Detroit, Michigan
- 1994 - 1997 National Institute for Drug Abuse, Technical Committee, Washington, DC
- 1994 - 1997 Food and Drug Administration, Psychopharmacological Drugs Advisory Committee, Washington, DC
- 1995 - 1997 Consultant to Nursing Department, Children's Hospital of Michigan, Detroit, MI
- 1996 - 1998 Consultant to Pediatric Dentistry, Detroit Medical Center, Detroit, Michigan
- 1996 - Present National Institute of Health, Medical Informatics Committee, ZRG1, SSS-9, Small Business Innovation Research Program, Bethesda, Maryland
- 1997 - Present Food and Drug Administration, Drug Abuse Committee, Washington, DC
- 1998 - 2000 National Institute of Health, NCCAM, Alternative Medicine Committee, Bethesda, Maryland
- 1999 - 2002 National Institute of Health, Statistical Section Committee, SNEM 5, Bethesda, Maryland
- 2002 National Institute of Health, Center for Communication, Review Committee
- 2002 - 2005 National Institute of Health, Statistical Section Committee, BMRD5, Bethesda, Maryland
- 2004 - 2006 National Institute of Mental Health, Ad hoc Reviewer for Special ITV Child Committee, Bethesda, Maryland
- 2005 - 2006 National Institute of Health, BCHI Study Section Committee Charter Member, Bethesda MD
- 2006 - 2008 National Institute of Mental Health, Charter Member for ITV Child Committee, Bethesda, Maryland
- 2009 - Present National Institute of Health, BCHI Study Section Committee Charter Member, Bethesda, MD

**INVITED LECTURES/WORKSHOPS/PRESENTATIONS:**

**International**

- Simpson PM: Statistical ethics. Australian National University, Canberra, Australia, 08/1995
- Simpson PM: Ethics in the design of trials. South Australian University, Adelaide, Australia, 08/1995
- Simpson PM. Modelling Mixed Populations in Assays with Application in Childhood Leukemia. Invited lecture at South Australian University, Adelaide, Australia, 07/07/1998
- Simpson PM: Ethics in Experiments - Is it Bad to be Good? Presented at the Menzies School of Health Research Seminar Series, Royal Darwin Hospital Auditorium, Darwin, Australia, 07/09/1998
- Simpson PM. Ethics in Pediatric Research. Invited lecture at Menzies School of Health Research, Northern Territory, Australia, 07/10/1998
- Simpson PM. Reliably Assessing Reliability. Seminar at St. George's Hospital Medical School, University of London, in the Public Health Sciences Department, 09/30/1999
- Hamer RM, Simpson PM: Surrogate Measures in Clinical Trials: Relationship to Reliability, Validity, and Fungibility. Presented and also published in proceedings. SmithKline Beecham Pharmaceuticals Worldwide Biometrics Advisory Board Meeting, London, England, 10/1999
- Simpson PM, Hamre M, Buck S, Stout M, Spencer H, and Ravindranath Y. Modeling chemosensitivity

assays for childhood leukemia. 3rd Annual Symposium on Drug Resistance in leukemia and Lymphoma in Amsterdam, The Netherlands, 1998

### **National**

- Simpson PM: Estimation for a stochastic partially observed linear compartmental system. Biostatistics Seminar, Medical College of Virginia/Virginia Commonwealth University, 1991
- Simpson PM: The importance of missing data in an anesthesiology database. Computers in Anesthesia, New Orleans, Louisiana, 1992
- Keenan RL, Simpson PM, Kane FR, Shapiro JH: Bradycardia during anesthesia in infants: An epidemiologic study. Computers in Anesthesia, New Orleans, Louisiana, 1992
- Simpson, PM: Black donation of organs for transplantation. Biostatistics Department, Medical College of Virginia, 04/1993
- Harrington B, Tayko M, Simpson PM, Williams D: Black emergency room patients' and their families' attitudes toward organ and tissue donation. Southeastern Organ Procurement Foundation Conference, Florida, 1993
- Simpson PM: And the blind shall see? National Institute on Drug Abuse, Washington, DC, 02/1995
- Hamer RW, Simpson PM: Alternative linear models for clinical trials. Pharmaceutical SAS Users Group, New Jersey, 02/1995
- Simpson PM: Pain studies are a pain. (Ketorolac study). Pediatric Pharmacology Research Unit, Bethesda, 06/1995
- Simpson PM: Is it bad to be good? National Institute on Drug Abuse, Washington, DC, 06/1995
- Simpson PM: Pain studies are a pain in the neck - Cancer studies. New Jersey School of Medicine, New Jersey, 06/1995
- Simpson PM: Tribulations of pediatric trials. The Nemours Children's Clinic, Jacksonville, Florida, 09/1995
- Simpson PM: Pain studies are a pain in the ... - Pediatric studies. University of Missouri/Kansas City School of Medicine, Kansas City, 1995
- Simpson PM: A mind is a difficult thing to fix. Drug Information Association, Hilton Head, North Carolina, 03/1996
- Simpson PM: Statisticians suffer performing pediatric pain studies. Session Mediator. Controlled Clinical Trials Annual Meeting, Pittsburgh, Pennsylvania, 05/1996
- McBride G, Simpson PM: Case staffing patterns and their impact on organ procurement. AOPO Directors of Procurement Council. Metairie, Louisiana, 05/1996
- Simpson PM: Is it risky to be odd? National Institute on Drug Abuse. Baltimore, Maryland, 07/16/1996
- Simpson PM: A thing as lovely as a tree. CARE Institute, University of Arkansas, Little Rock, Arkansas, 12/1996
- Simpson PM: Being reliable. Wayne State University Statistics Journal Club. Detroit, Michigan, 05/1997
- Simpson PM: A model as lovely as a tree. American Statistical Society Local Chapter Meeting, Little Rock, Arkansas, 09/1997
- Simpson PM: Every trial has important clinical and statistical aspects - ETHICS and logistics of pediatric trials. CORE Research Conference, Little Rock, Arkansas, 01/14/1998
- Simpson PM, Hamre M, Buck S, Ravindranath Y. Modelling chemosensitivity assays for childhood leukemia. Presented at the Southern Society for Pediatric Research (SSPR), New Orleans, LA, 02/1998
- Hamer RM, Simpson PM: Assessing dose-response information in phase III clinical trials or why you shouldn't believe the dosing information on the label. Poster presentation at the "First Annual Research Day: A, New Brunswick, NJ, 03/26/1999
- Simpson PM: Mixed Models: Modeling Assay Data for Childhood Leukemia by Mixtures. Invited lecture at the Conference on Nonlinear Statistical Models: Implementation and Application, Lexington, KY, 11/05/1999 - 11/06/1999
- Simpson PM: Reliably Assessing Reliability. University of Arkansas for Medical Sciences, Department of Pediatrics, Grand Rounds, 11/1999
- Ding Yiling, Simpson Pippa M, Schellhase Dennis E, Tryka A. Francine, Ding Lieming, and Parham David M: Limited Reliability of Lipid-laden Macrophage Index Restricts Its Use as a Test for Pulmonary Aspiration: Comparison with a Simple Semiquantitative Assay. Presented at the Societ, New Orleans, LA, 03/2000
- Simpson PM: Random Effects Mixed Models. SAS User's Group International Conference (SUGI 25), Indianapolis, IN, 04/2000
- Williams J.P., Phillips T., Griebel M.L., Sharp G.B., Lange B., Edgar T., Simpson P.: Factors associated with

- academic achievement in children with controlled epilepsy. Presented at the annual meeting of the American Epilepsy Society, Los Angeles, CA, 2000
- Simpson PM, Gossett JM, Parker JG: Does the Mean Mean What We Think It Means for Nutrition Data? ENAR 2001, The impact of Technology on Biometrics, International Biometric Society Eastern North American Region, Charlotte, NC, 03/25/2001 - 03/28/2001
- Simpson PM: Meta-Analysis, Statistical Journal Club, 03/2001
- Simpson PM, Champagne C: Highlights of FOODS 2000 Data. Lower Mississippi Delta Nutrition Intervention Research Initiative Steering Committee Meeting, George Washington Carver Center, Beltsville, Maryland, 05/15/2001
- Simpson PM: Meta-Analysis: Good Things do come in big packages. Theme: Stimulating Research in a Clinical Department, Mercer University School of Medicine, Department of Family Medicine, Macon, Georgia, 05/2001
- Simpson PM: Highlights of FOODS 2000 Data, Beltsville, Maryland, 05/2001
- Sharp GB, Bates S, Simpson PM, Williams JP: Symptom differences in children with absence seizures versus inattention. Presented at the annual meeting of the American Epilepsy Society, Philadelphia, PA, 2001
- Williams JP, Lange B, Phillips T, Griebel ML, Simpson PM: The course of attention deficit hyperactivity disorder (ADHD) symptoms in children with new onset seizures. Presented at the annual meeting of the American Epilepsy Society, Philadelphia, PA, 2001
- Greenberg SB, Simpson PM, Jones SM, Holloway S, Seibert J: Spine Bone Densitometry in Asthmatic Children Treated with High Dose Corticosteroids: Correcting for Racial Discrepancies. Presented at the Society for Pediatric Radiology's 45th Annual Meeting, Philadelphia, PA, 04/27/2002 - 05/02/2002
- Griebel ML, Williams JP, Sharp GB, Simpson PM: Differentiating between seizure disorders and attention deficit-hyperactivity disorder (ADHD) in a pediatric population. Presented at the annual meeting of the American Epilepsy Society, Philadelphia, PA, 2002
- Simpson Pippa: Working with Weights. Invited talk to Kentucky Chapter of American Statistical Association, 04/19/2004
- Yadrick Kathy, Simpson Pippa, Bogle Margaret, Hall Renee, Beardshall Ann, McGee Bernestine, Goolsby Susan. Limited availability of food choices in the Lower Mississippi Delta. Presented at the Experimental Biology 2004 meeting, Washington DC, 04/2004
- Santell Ross, Simpson Pippa M, Gossett Jeffrey M, Champagne Catherine, Nonoyama Atsuko. Self-reported disease and nutrient intake in residents of the Lower Mississippi Delta, Presented at Experimental Biology 2004 Meeting, Washington DC, 04/2004
- Simpson Pippa: Alternative Trials in Pediatrics Invited talk in Cincinnati Children's Hospital, 05/20/2004
- Vargas Perla, Simpson Pippa, Jones Stacie M, William Golden, Sanchez Nena, Wells, Clayton. General Pediatrics and Preventive Pediatrics Asthma/Allergies/Acute Respiratory Illness. Presentation at the Pediatric Academic Societies Annual Meeting, San Francisco, 05/2004
- Simpson Pippa: Special Issues in Pediatric Trials. Grand Rounds, Pediatrics Dept, UAMS, 09/2004
- Young Karen L, Wheeler Gary, Peck Deane, Simpson Pippa, Goel Rajiv. Prevalence of Severe Obesity in a Tertiary Pediatric Weight Management Clinic. Poster presentation at the NAASO meeting in Las Vegas, 11/2004
- Karen L. Young, Margaret Harris, Alba Morales, J. Darrell Nesmith, Pippa Simpson, Joseph W. Thompson, Wendy L. Ward-Begnoche, Judith L. Weber, J. Gary Wheeler. Child and Adolescent Bariatrics: Merging Policy, Scholarship, Research and Advocacy. Pediatric Academic Societies Washington DC, 05/2005
- Regression Modeling and Beyond, charting the course for good health. International Society for Behavior, Nutrition and Physical Activity Annual meeting, Presented paper. Boston, 07/2006

### **Regional**

- Simpson PM: Organ donation by blacks. National Kidney Foundation of Michigan, Inc., Ann Arbor, 08/1994
- Simpson PM: The role of the statistician in the hospital. Children's Hospital of Michigan, Patient Care Division Meeting, 08/1994
- Simpson PM: The case of the fractured figures. Wayne State University Medical School, Grand Rounds, 09/1994
- Simpson PM: Considerations in the planning of pediatric pain studies. Children and Pain: Contemporary Management Issues. Troy, Michigan, 10/1995
- Simpson PM: Planning studies. Department of Internal Medicine, Wayne State University. Detroit, Michigan, 02/1996

Simpson PM: Does an MD need a PhD to do research? American Statistical Association Annual Meeting.  
Chicago, Illinois, 08/1996

Simpson PM: An application of trees. Wayne State University Statistical Group. Detroit, Michigan, 10/1996

Simpson PM: Is doing statistics like pulling teeth? Michigan Dental Association, Orthodontics Group.  
Detroit, Michigan, 02/1997

### **Local**

Simpson, Pippa: Branching Out with Trees to Analyze Data. Invited talk given at Marquette University,  
10/05/2007

## **PEER REVIEWED WORKSHOPS/PRESENTATIONS:**

### **International**

Julie Slicker, David A. Hehir MD, Nancy Rudd RN MS CPN, Praveen S, Goday MBBS CNSC, Kathleen A. Mussatto PhD RN, Pippa Simpson PhD, Shun-Hwa Li, PhD, Nancy S Ghanayem MD. Poster - Achieving Normal Growth in Infants with Hypoplastic Left Heart Syndrome Through Nutrition Intervention. Clinical Nutrition Week 2011, Vancouver, BC Canada, 01/29/2010

### **National**

Jessica Gorentz, BS, RDCS; Michelle Otto, BA; Pippa Simpson, PhD; Shun Hwa Li, PhD; Peter Frommelt, MD, Poster - Characterization of Longitude Left and Right Ventricular and Radial Left Ventricular and Global Myocardial Mechanics in Normal Newborns., Presented at the American Society of Echocardiography Scientific Sessions, 06/14/2010

Karen Redwine, Lee Howard, Pippa Simpson, Shun-Hwa Li, Laura James, Jeffery Bloomer, Janice Sullivan, Robert Ward, Thomas Wells - Poster - Effects of Placebo on Ambulatory Blood Pressure Monitoring in Children. Presented at Arkansas Biosciences Institute Fall Research Symposium, Little Rock, AR, 09/29/2010

S. Ginde, T.M. Ellis, M. Nugent, P. Simpson, G. Stendahl, S. Berger, S. Zangwill. "The Influence of HLA Matching on Outcomes in Pediatric Heart Transplantation". 31st Annual International Society For Heart And Lung Transplantation, San Diego, CA, 04/12/2011 - 04/16/2011

## **COMMITTEE SERVICE:**

### **Medical College of Wisconsin**

1997 - 2001 University of Arkansas for Medical Sciences. Assisted Admissions Committee and Office of Medical Student Admissions as interviewer

2002 University of Arkansas for Medical Sciences. Assisted Admissions Committee and Office of Medical Student Admissions by serving as interviewer

2004 - 2007 University of Arkansas for Medical Sciences. Assisted Admissions Committee and Office of Medical Student Admissions by serving as interviewer

2008 - Present MCW Faculty IT committee

2010 - Present Children's Hospital of Wisconsin Evaluation Committee

## **EXTRAMURAL TEACHING:**

### **Medical Student Education**

1968 - 1969 University of Adelaide, Department of Economics, Adelaide, Australia

1972 - 1973 South Australian University, School of Mathematics and Data Processing, Adelaide, Australia

1976 - 1980 University of London, England, Department of Computer Science and Statistics, Queen Mary College

1990 - 1993 Medical College of Virginia/Virginia Commonwealth University, Department of Biostatistics, Richmond, Virginia

1993 - 1997 Wayne State University, Detroit, Michigan, Department of Pediatrics

1997 - Present University of Arkansas for Medical Sciences, Department of Pediatrics, Little Rock, Arkansas

## **EXTRAMURAL STUDENTS, FACULTY, RESIDENTS, AND CLINICAL/RESEARCH FELLOWS**

### **MENTORED:**

#### **Graduate Students**

##### **MS Committees**

1992 Q Zhao, "The Effect of Correlation on the True Conditional Type I Error for Dependent F Ratios Sharing a Common Denominator", Virginia Commonwealth University

##### **MS Students Advised**

1992 K Niu, "Missing Data in Repeated Measurement Studies", Medical College of Virginia/ Virginia Commonwealth University

1992 L Trukowski, "Examining Missing Data to Investigate a Hypothesis About Suicide and Circadian Rhythm", Medical College of Virginia/Virginia Commonwealth University

##### **PhD Students Advised**

1994 J Lu, "The Standardized Influence Matrix and Its Applications in Generalized Linear Models", Medical College of Virginia/Virginia Commonwealth University

#### **Faculty**

1999 - 2002 Mohy Morris, M.D., University of Arkansas

## **PROGRAMMATIC DEVELOPMENTS:**

### **Educational Programs**

#### **Student**

1990 - 1991 Basic Statistical Theory

1991 - 1993 Advanced Theory

1992 - 1993 Statistical Consulting Training Seminars

1993 - 1997 Course of 20 Lectures in Planning, Design and Analysis of Clinical Trials for fellows and faculty - Children's Hospital of Michigan

1993 - 1997 Attended and critiqued journal articles presented at the Clinical Pharmacology/ Toxicology Journal Club

1994 - 1996 Is it bad to be good? Ethical statistics. Lecture in Integrity in Science - Wayne State University Graduate School

1994 - 1997 Attended and critiqued journal articles presented at the Neonatology and Emergency Department and Cardiology Journal Clubs

1996 - 1998 The P-word. Hypothesis testing, lecture in research planning, ACH/UAMS

1996 - 1997 Course of 10 Lectures on the Planning, Design and Analysis of Clinical Trials for Pediatric Dentistry fellows and faculty-Children's Hospital of Michigan

1996 - 1999 Courses of 20 lectures on statistics for faculty and staff, ACH/ UAMS

1997 - 1999 Prediction and Risk. Lecture to Nutrition master's students

1999 - 2002 SAS Multivariate and Logistic lectures to Research Computing Group

1999 Seminar Series of three lectures on database development ACH/UAMS

06/2000 - 08/2000 Summer Science Student Program. Assisted in project titled Factors Affecting Potential Subjects' Decision to Participate in a Clinical Study

2000 SPSS Tricks Lecture to Dept. of Pediatrics, UAMS

2000 - 2001 Seminar Series of three lectures on SPSS usage ACH/UAMS

06/2001 - 08/2001 Summer Science Student Program. Assisted in project titled Factors Affecting Potential Subjects' Decision to Participate in a Clinical Study

2003 Series presentations on Basic Statistical Concepts to General Pediatrics Section, Pediatrics UAMS

2003 Four presentations on Missing Data, Mixed Models, Clinical Trials and Path Analysis

2005 SPSS course designed for nutrition researchers

2008 SPSS course designed for researchers

## **COMMUNITY SERVICE ACTIVITIES:**

1997 - 1998 Volunteer at Dunbar Junior High School, Math Counts Program

1998 Volunteer, Quapaw Home Tour, May 1998  
 1998 Statistics Lecture to Central High School Statistics Class  
 2000 Coaching Middle School Mathematics  
 2000 Statistics Lecture to Arkansas School for Mathematics and Sciences  
 2001 Statistics Lecture to Arkansas School of Mathematics and Sciences  
 2001 Judge for Regional Science Fair  
 2002 - 2005 Statistics Lecture to Arkansas School of Mathematics and Sciences  
 2007 Volunteered House, Quapaw Home Tour  
 2009 - Present Historic Concordia Committee  
 2009 Volunteered House, Quapaw Home Tour, May 1998  
 2010 Volunteered House, Historic Concordia Home Tour

## BIBLIOGRAPHY

### Refereed Journal Publications/Original Papers

1. Wellwood JM, **Simpson PM**, Tighe JR, Thompson AE. Evidence of gentamicin nephrotoxicity in patients with renal allografts. *Br Med J*, 3:278-281. 1974
2. McDonald AL, **Simpson PM**, Whitfield AM. An assessment of the reliability of the Indonesian fertility survey data. *World Fertility Surv Sci Rep*, 3:1-68. 1978
3. Huang KC, Wolfe WM, Tsueda K, **Simpson PM**, Caissie KF. Effects of meclofenamate and acetaminophen on abdominal pain following tubal occlusion. *Am J Obstet Gynecol*, 155(3):624-629. 1986
4. Wieman TJ, Huang KC, Tsueda K, Thomas MH, Lucas LF, **Simpson P**. Peripheral somatic sensory neuropathy and skin galvanic response in the feet of patients with diabetes. *Surg Gynecol Obstet*, 168(6):501-506. 1989
5. Purcell KG, Spencer LV, **Simpson PM**, Helman SW, Oldfather JW, Fowler JF Jr. HLA antigens in lichen sclerosus et atrophicus. *Arch Dermatol*, 126(8):1043-1045. 1990
6. Makk LJ, McClave SA, Creech PW, Johnson DR, Short AF, Whitlow NL, Priddy FS, Sexton LK, **Simpson P**. Clinical application of the metabolic cart to the delivery of total parenteral nutrition. *Crit Care Med*, 18(12):1320-1327. 1990
7. Zhang XG, Fogel R, **Simpson P**, Renehan W. The target specificity of the extrinsic innervation of the rat small intestine. *J Auton Nerv Syst*, 32(1):53-62. 1991
8. Hocker JR, Wellhausen SR, Ward RA, **Simpson PM**, Cook LN. Effect of extracorporeal membrane oxygenation on leukocyte function in neonates. *Artif Organs*, 15(1):23-28. 1991
9. Singer I, Maldonado C, Vance F, **Simpson P**, Kupersmith J. Defibrillation efficacy using two low-profile endocardial electrodes. *Am J Med Sci*, 302(2):82-88. 1991
10. Hocker JR, **Simpson PM**, Rabalais GP, Stewart DL, Cook LN. Extracorporeal membrane oxygenation and early-onset group B streptococcal sepsis. *Pediatrics*, 89(1):1-4. 1992
11. Arrowood JA, Kline J, **Simpson PM**, Quigg RJ, Pippin JJ, Nixon JV, Mohanty PK. Modulation of the QT interval: Effects of graded exercise and reflex cardiovascular stimulation. *J Appl Physiol*, 75(5):2217-2223. 1993
12. Keenan RL, **Simpson PM**, Kane FR, Shapiro JH. Bradycardia during anesthesia in infants. An epidemiologic study. *Anesthesiology*, 80(5):976-982. 1994
13. Hasan RA, Sarnaik AP, Meert KL, Dabbagh S, **Simpson P**, Hakim M. Alterations in plasma phosphorus, red cell 2,3-diphosphoglycerate and P50 following open heart surgery. *J Cardiovasc Surg*, 35(6):491-497. 1994
14. Wood MA, **Simpson PM**, London WB, Stambler BS, Herre JM, Bernstein RC, Ellenbogen KA. Circadian pattern of ventricular tachyarrhythmias in patients with implantable cardioverter defibrillators. *J Am Coll Cardiol*, 25(4):901-907. 1995
15. Arthur D, Kaufman N, Schmidt-Ullrich R, Kavanagh B, **Simpson P**, Hill M, Ali M. Heuristically derived tumor burden score as a prognostic factor for Stage IIIB carcinoma of the cervix. *Int J Radiat Oncol Biol Phys*, 31(4):743-751. 1995
16. Lipper MH, Hillman BJ, Pates RD, **Simpson PM**, Mitchell JM, Ballard DJ. Ownership and utilization of MR-imagers in the Commonwealth of Virginia. *Radiology*, 195(1):217-221. 1995
17. Wood MA, **Simpson PM**, Stambler BS, Herre JM, Berstein RC, Ellenbogen KA. Long-term temporal patterns of ventricular tachyarrhythmias. *Circulation*, 91(9):2371-2377. May 1995



18. Srivuthana K, Yee HY, Bhambhani K, Elton RM, **Simpson PM**, Kauffman RE. A new filter paper method to measure capillary blood lead level in children. *Arch Pediatr Adolesc Med*, 150(5):498-502. May 1996
19. Sarnaik AP, Meert KL, Pappas MD, **Simpson PM**, Lieh-Lai MW, Heidemann SM. Predicting outcome in children with severe acute respiratory failure treated with high frequency ventilation. *Crit Care Med*, 24(8):1396-1402. 1996
20. Wood MA, Mangano RA, Schieken RM, Baumgarten CM, **Simpson PM**, Ellenbogen KA. Modulation of atrial repolarization by site of pacing in the isolated rabbit heart. *Circulation*, 94(6):1465-1470. Sept 1996
21. Seagull FN, Mowery JL, **Simpson PM**, Robinson TR, Martier SS, Sokol RJ, McCarver-May DG. Maternal assessment of infant development: Associations with alcohol and drug use in pregnancy. *Clin Pediatr (Phila)*, 35(12):621-628. 1996
22. Anene O, Meert KL, Uy H, **Simpson P**, Sarnaik AP. Dexamethasone for the prevention of postextubation airway obstruction: a prospective, randomized, double-blind, placebo-controlled trial. *Crit Care Med*, 24(10):1666-1669. Oct 1996
23. Ostrea EM Jr, Ostrea AR, **Simpson PM**. Mortality within the first 2 years in infants exposed to cocaine, opiate, or cannabinoid during gestation. *Pediatrics*, 100(1):79-83. July 1997
24. Sikand A, Schubiner H, **Simpson PM**. Parent and adolescent perceived need for parental consent involving research with minors. *Arch Pediatr Adolesc Med*, 151(6):603-607. June 1997
25. Matherly LH, Taub JW, Wong SC, **Simpson PM**, Ekizian R, Buck S, Williamson M, Amylon M, Pullen J, Camitta B, Ravindranath Y. Increased frequency of expression of elevated dihydrofolate reductase in T-cell versus B-precursor acute lymphoblastic leukemia in children. *Blood*, 90(2):578-589. 1997
26. Mulla N, **Simpson P**, Sullivan NM, Paridon SM. Determinants of aerobic capacity during exercise following complete repair of tetralogy of fallot with a transannular patch. *Pediatr Cardiol*, 18(5):350-356. 1997
27. Joshi VM, Carey A, **Simpson P**, Paridon SM. Exercise performance following repair of hypoplastic left heart syndrome: A comparison with other types of Fontan patients. *Pediatr Cardiol*, 18(5):357-360. 1997
28. Schwartz MM, **Simpson P**, Kerr KL, Jarvis JN. Juvenile rheumatoid arthritis in African Americans. *J Rheumatol*, 24(9):1826-1829. 1997
29. Nelson DA, **Simpson PM**, Johnson CC, Barondess DA, Kleerekoper M. The accumulation of whole body skeletal mass in third- and fourth-grade children: Effects of age, gender, ethnicity, and boy composition. *Bone*, 20(1):73-78. 1997
30. Peters JM, **Simpson P**, Tolia V. Experience with gastrojejunal feeding tubes in children. *Am J Gastroenterol*, 92(3):476-480. 1997
31. Holtrop TG, Yee HY, **Simpson PM**, Kauffman, RE. A community lead screening program using capillary blood collected on filter paper. *Arch Pediatr Adolesc Med*, 152(5):455-458. May 1998
32. James LP, Abel, K, Wilkinson J, **Simpson P**, Nichols M. Phenothiazine and Butyrophenone, Poisonings in Children, 46(1):31. 1998
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