

Cynthia S Bell

CONTACT INFORMATION

Geneva, Switzerland
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RESEARCH INTERESTS

Applied statistics, global preparedness metrics, clinical epidemiology, blood pressure, nephrology, pediatrics, statistical education, observational studies, randomized control trials, meta-analysis, mixed models, and data display

DEGREES

University of Texas School of Public Health, Houston, TX USA

PhD, Epidemiology, May 2020

Dissertation Topic: Sodium and potassium as effect modifiers in blood pressure genetics

Texas A&M University, College Station, TX USA

MS, Statistics, May 2006

University of Texas, Austin, TX USA

BA, Economics & Sociology dual-degree, May 2002

PROFESSIONAL EXPERIENCE

World Health Organization, Geneva, Switzerland

Technical Officer

August 2021 to Present

Statistician and epidemiologist in the Evidence and Analytics for Health Security unit within the WHO's World Health Emergencies Programme supporting evidence generation and dissemination to improve country-level preparedness plans for health emergencies through outcome analysis in collaboration with technical experts.

McGovern Medical School at UTHealth, Houston, TX USA

Adjunct Assistant Professor

August 2021 to Present

Epidemiologist and statistician in the Department of Pediatrics collaborating on clinical research projects and educating faculty and trainees.

Assistant Professor

January 2021 to August 2021

Epidemiologist and statistician in the Department of Pediatrics collaborating on clinical research projects and educating faculty and trainees as part of the Center for Clinical Research & Evidence-Based Medicine, Division of Pediatric Nephrology, Division of Pediatric Infectious Diseases, and Department of Obstetrics, Gynecology, and Reproductive Sciences.

Senior Statistician

September 2017 to January 2021

Epidemiologist and statistician in the Center for Clinical Research & Evidence-Based Medicine, Division of Pediatric Nephrology, Division of Pediatric Infectious Diseases, and Department of Obstetrics, Gynecology, and Reproductive Sciences; educating trainees and collaborating with faculty in design and analysis of randomized control trials and observational studies.

Statistician

November 2006 to September 2017

Primary statistician to the Division of Pediatric Nephrology & Hypertension, training fellows in proper research techniques and assisting faculty with design and analysis of clinical research projects.

Texas A&M University, College Station, TX USA

Graduate Teaching Assistant - Instructor

August 2005 to May 2006

Primary classroom instructor of Statistics 201: Elementary Statistical Inference. Responsibilities included preparation of all course materials, classroom lecturing, student counseling, and evaluation of student performance.

Statistical Consultant Intern

May 2005 - May 2006

Advised faculty and graduate student ensuring proper implementation of statistical methods in research projects through the Statistical Consulting Center. Focus on wildlife experiment design, appropriate analysis of unbalanced data, and interpreting statistical results.

Texas Transportation Institute, College Station, TX USA

Statistical Consultant

May 2005 to July 2005

Advised engineers in the development and analysis of a cost effective experimental design to test performance of emergency rescue tools.

AWARDS AND
HONORS

Dean's Teaching Excellence Award, 2021

McGovern Medical School

Dean's Teaching Excellence Award, 2020

McGovern Medical School

PUBLICATIONS

Sameer Thadani, Thomas Fogarty, Theresa Mottes, Jack F. Price, Poyyapakkam Sri-
vaths, Cynthia Bell, Ayse Akcan-Arkan. Hemodynamic instability during connection
to continuous kidney replacement therapy in critically ill pediatric patients. *Pediatric
Nephrology*, February 2022. PMID 35118547

David Z Allen, Sai Challapalli, Sean McKee, Kyung Hyun Lee, Cynthia S Bell, Soham
Roy, Sarah Bowe, Karthik Balakrishnan, C W David Chang, Zhen Huang. Impact of
COVID-19 on nationwide pediatric otolaryngology: Otitis media and myringotomy tube
trends. *American Journal of Otolaryngology*, January 2022. PMID 35033925

Naila H Dhanani, Oscar A Olavarria, Cynthia S Bell, Julie L Holihan, Mike K Liang.
Randomized controlled trials published on patients with hernias have a high percentage
of unreproducible statistics. *Hernia*, August 2021. PMID 34420111

Mallory Smith, Cynthia Bell, Molly Wong Vega, Naile Tufan Pekkuksen, Laura Loftis,
Mona McPherson, Jeanine Graf, Ayse Akcan Arkan. Patient-centered outcomes in pe-
diatric continuous kidney replacement therapy: new morbidity and worsened functional
status in survivors. *Pediatric Nephrology*, July 2021. PMID 34235579

Stephen M Wagner, Cynthia S Bell, Megha Gupta, Hector Mendez-Figueroa, Lara Ouel-
lette, Sean C Blackwell, Suneet P Chauhan. Interventions to Decrease Complications
After Shoulder Dystocia: A Systematic Review and Bayesian Meta-Analysis. *American
Journal of Obstetrics & Gynecology*, May 2021. PMID 34019885

Oscar A Olavarria, Naila H Dhanani, Karla Bernardi, Julie L Holihan, Cynthia S Bell, Tien C Ko, Mike K Liang. Prophylactic Mesh Reinforcement for Prevention of Midline Incisional Hernias: A Publication Bias Adjusted Meta-analysis. *Annals of Surgery*, December 2020. PMID 33630465

Ricardo A Mosquera, Elenir B C Avritscher, Claudia Pedroza, Cynthia S Bell, Cheryl L Samuels, Tomika S Harris, Julie C Eapen, Aravind Yadav, Michelle Poe, Raymond L Parlar-Chun, Jay Berry, Jon Tyson. *JAMA Pediatrics*, November 2020. PMID 33252671

Katherine C Leach, Misti G Ellsworth, Luis Z Ostrosky, Cynthia S Bell, Kathy Masters, John Calhoun, Lance Ferguson, Susie Distefano, Michael L Chang. Evaluation of a telethermographic system for temperature screening at a large tertiary referral hospital during the COVID-19 pandemic. *Infection Control & Hospital Epidemiology*, October 2020. PMID 33040747

Grace Truong, Sarah Kamal, Joshua A Samuels, Cynthia S Bell. Prognostic value of ambulatory blood pressure and clinical use of echocardiography to detect left ventricular hypertrophy in children evaluated for primary hypertension. *Pediatric Nephrology*, October 2020. PMID 33052448

Gabrielle E Hatton, Cynthia S Bell, Shuyan Wei, Charles E Wade, Lillian S Kao, John A Harvin. Do early non-steroidal anti-inflammatory drugs for analgesia worsen acute kidney injury in critically ill trauma patients? An inverse probability of treatment weighted analysis. *Journal of Trauma and Acute Care Surgery*, July 2020. PMID 32649618

Christoph Wohlmuth, Arpit Agarwal, Blair Stevens, Anthony Johnson, Kenneth J Moise Jr, Ramesha Papanna, Roopali Donepudi, Cynthia S Bell, Ian E Averiss, Helena M Gardiner. Fetal ventricular strain in uncomplicated and selective growth restricted monochorionic diamniotic pregnancies, with cardiovascular responses in pre-TTTS, November 2019. PMID 31682302

Eric P Bergh, Roopali Donepudi, Cynthia S Bell, Kenneth J Moise Jr, Anthony Johnson, Ramesha Papanna. Distance traveled to a fetal center and pregnancy outcomes in twin-twin transfusion syndrome. *Fetal Diagnosis and Therapy*, September 2019. PMID 31487738

Eric W Reynolds, Cynthia S Bell, Debbie Grider. Swallow-breath interaction and phase of respiration with swallow during nonnutritive suck in term infants and preterm infants approaching term adjusted age. *Journal of Pediatrics and Pediatric Medicine*. July 2019

Tina O Findley, Avni Shah, Cynthia S Bell, Amir Khan. The value of serial newborn screening for congenital hypothyroidism using thyroxine (T4) in the neonatal intensive care unit. *Journal of Perinatology*, August 2019. PMID 31213638

Gloria Chen, Cynthia S Bell, Penelope Loughhead, Bashar Ibeche, John S Bynon, David R Hall, Aleksandra De Golovine, Angelina Edwards, Wasim A Dar. Exploration of the stanford integrated psychosocial assessment for transplantation with psychosocial and medical outcomes in kidney and kidney-pancreas transplant recipients. *Progress in Transplantation*, May 2019. PMID 31146631

Joyce P Samuel, Jon E Tyson, Charles Green, Cynthia S Bell, Claudia Pedroza, Don Molony, Joshua Samuels. Treating Hypertension in Children With n-of-1 Trials. *Pediatrics*, April 2019. PMID 30842257

Cynthia S Bell, Joyce P Samuel, and Joshua A Samuels. Prevalence of Hypertension in Children: Applying the New American Academy of Pediatrics Clinical Practice Guideline. *Hypertension*, January 2019. PMID 30571555

Minal J Patel, Cynthia S Bell, Kevin P Lally, Lakshmi I Katakam, and Congenital Diaphragmatic Hernia Study Group. Lowest PaCO₂ on the first day of life predicts mortality and morbidity among infants with congenital diaphragmatic hernia. *Journal of Perinatology*, November 2018. PMID 30425337

Sean Hebert, Aleksandra DeGolovine, Karen Vigil, Sonal Bhatnagar, Cynthia Bell, Rita Swinford. A Certain Uncertainty: acceptance of HPV vaccination in kidney transplant recipients. *OBM Transplantation*, August 2018.

Mary Kay Koenig, Cynthia S Bell, Adelaide A Hebert, Joan Roberson, Joshua A Samuels, John M Slopis, Patti Tate, Hope Northrup. Efficacy and Safety of Topical Rapamycin in Patients With Facial Angiofibromas Secondary to Tuberous Sclerosis Complex: The TREATMENT Randomized Clinical Trial. *JAMA Dermatology*, May 2018. PMID 29800048

Sheri L Balsara, Joshua A Samuels, Joyce P Samuel, Cynthia S Bell. Varying blood pressure in children: a diagnostic quandary interpreting the Fourth Report. *Journal of the American Society of Hypertension*, March 2018; 12(3):190-194. PMID 29459220

Piyali Ray, Fernando Navarro, Yuying Liu, Cynthia S Bell, Lee A Densen, Nicole Y Fatheree, Thomas K Hoang, Jon Rhoads. GM-CSF Antibodies and Peripheral Treg Cells as Potential Markers of Disease Activity to Guide Therapeutic Decisions in Pediatric IBD. *Journal of Clinical Gastroenterology and Hepatology*, March 2018; Vol.2: No.1:8.

Joshua A Samuels, Cynthia S Bell. Recognizing elevated blood pressure in pediatrics: the value of repeated measures [Commentary]. *Journal of Clinical Hypertension*, January 2018; 20(1):183-185. PMID 29329483

Joshua A Samuels, Xamayta Negroni-Balasquide, Cynthia S Bell. Ethnic Differences in Childhood Blood Pressure. In Flynn J., Ingelfinger J., Redwine K. (eds) *Pediatric Hypertension*. Springer International Publishing, 4th edition 2018. Print. *Pediatric Hypertension*

Joyce P Samuel, Cynthia S Bell, Sean Hebert, Arun Varughese, Joshua A Samuels, Jon E Tyson. Office blood pressure measurement alone often misclassifies treatment status in children with primary hypertension. *Blood Pressure Monitoring*, December 2017; 22(6):328-332. PMID 29076885

Eric W Reynolds, Debbie Grider, Cynthia S Bell. Swallow-Breath Interaction and Phase of Respiration with Swallow during Non-Nutritive Suck in Infants Affected by Neonatal Abstinence Syndrome. *Frontiers in Pediatrics*, October 2017; 5:214. PMID 29046872

Stephan Ehrmann, Andrew Quartin, Brian P Hobbs, Vincent Robert-Edan, Cynthia Cely, Cynthia S Bell, Genevieve Lyons, Tàì Pham, Roland M Schein, Yimin Geng, Karim Lakhal, Chaaan S. Ng. Contrast-associated acute kidney injury in the critically

ill: systematic review and Bayesian meta-analysis. *Intensive Care Medicine*, June 2017; 43(6):785-794. PMID 28197679

Eric L Cheung, Cynthia S Bell, Joyce P Samuel, Tim Poffenbarger, Karen McNiece Redwine, Joshua A Samuels. Race and Obesity in Adolescent Hypertension. *Pediatrics*, May 2017; 139(5). PMID 28557717

Joyce P Samuel, Cynthia S Bell. Unique Study Designs in Nephrology: N-of-1 Trials and Other Designs. *Advances in Chronic Kidney Disease*, November 2016; 23(6):351-354. PMID 28115077

Amanda Schuck-Phan, Tri Phan, Paul A Dawson, EJ Dial, Cynthia S Bell, Yuying Liu, J Marc Rhoads, Lenard M Lichtenberger. Formula Feeding Predisposes Gut to NSAID-Induced Small Intestinal Injury. *Journal of Clinical and Experimental Pharmacology*, November 2016; 6:222.

Hamza S Elkhidir, Jeremy B Richards, Kevin R Cromar, Cynthia S Bell, Roger E Price, Constance L Atkins, Chantal Y Spencer, Farhan Malik, Amy L Alexander, Katherine J Cockerill, Ikram U Haque, Richard A Johnston. Plasminogen activator inhibitor-1 does not contribute to the pulmonary pathology induced by acute exposure to ozone. *Physiological Reports*, September 2016; 4(18). PMID 27670409

Ramia Zakhour, Dat Q Tran, Gloria P Heresi, Guenet Degaffe, Cynthia S Bell, Elizabeth Donnachie, Weihe Zhang, Norma Pérez, Laura J Benjamins, Gabriela Del Bianco, Gilhen Rodriguez, James R Murphy. CD31 Expression on CD4+ Cells: A Simple Method for Quantitation of Recent Thymus Emigrant CD4 Cells. *The American Journal of Tropical Medicine and Hygiene*, October 2016; 95(4):970-972. PMID 27527632

Ashish Banker, Cynthia S Bell, Joshua A Samuels, Monesha Gupta-Malhotra. Blood Pressure Percentile Charts to Identify High or Low Blood Pressure in Children. *BMC Pediatrics*, July 2016; 16:98. PMID 27430884

Ramia Zakhour, Dat Q Tran, Guenet Degaffe, Cynthia S Bell, Elizabeth Donnachie, Weihe Zhang, Norma Pérez, Laura J Benjamins, Gabriela Del Bianco, Gilhen Rodriguez, James R Murphy, Gloria P Heresi. Recent Thymus Emigrant CD4+ T Cells Predict HIV Disease Progression in Patients With Perinatally Acquired HIV. *Clinical Infectious Diseases*, April 2016; 62(8):1029-35. PMID 26908808

Xamayta Negroni-Balasquide, Cynthia S Bell, Joyce P Samuel, Joshua A Samuels. Is one measurement enough to evaluate blood pressure among adolescents? A blood pressure screening experience in more than 9000 children with a subset comparison of auscultatory to mercury measurements. *Journal of the American Society of Hypertension*, February 2016; 10(2):95-100. PMID 26875474

Joyce P Samuel, Joshua A Samuels, Lauren E Brooks, Cynthia S Bell, Claudia Pedroza, Donald A Molony, Jon E Tyson. Comparative effectiveness of antihypertensive treatment for older children with primary hypertension: study protocol for a series of n-of-1 randomized trials. *Trials*, January 2016; 17(1):16. PMID 26746195

German A Contreras, Cynthia S Bell, Gabriela Del Bianco, Norma Pérez, Laura Benjamins, Matthew T Kleinosky, Gilhen Rodriguez, James R Murphy, Gloria P Heresi. Incidence and predictors of antiretroviral resistance in perinatally HIV-1 infected children and adolescents. *Journal of Infection*, December 2015. PMID 26711193

Joshua A Samuels, Cynthia S Bell, Joyce P Samuel, Rita Swinford. Management of Hypertension in Children and Adolescents. *Current Cardiology Reports*, December 2015; 17(12):107. PMID 26482750

Shehla S Razvi, Jeremy B Richards, Farhan Malik, Kevin R Cromar, Roger E Price, Cynthia S Bell, Tingting Weng, Constance L Atkins, Chantal Y Spencer, Katherine J Cockerill, Amy L Alexander, Michael R Blackburn, Joseph L Alcorn, Ikram U Haque, Richard A Johnston. Resistin deficiency in mice has no effect on pulmonary responses induced by acute ozone exposure. *American Journal of Physiology Lung Cellular and Molecular Physiology*, November 2015; 309(10):L1174-85. PMID 26386120

Guenet Degaffe, Ramia Zakhour, Weihe Zhang, German A Contreras, Cynthia S Bell, Gilen Rodriguez, Gabriela Del Bianco, Norma Pérez, Laura J Benjamins, James R Murphy, Gloria P Heresi, Dat Q Tran. Forkhead box protein 3+ regulatory T cells and Helios+ subset in perinatally acquired HIV. *Clinical & Experimental Immunology*, April 2015. PMID 25425428

Nisha Mangalat, Cynthia S Bell, Amanda Graves, Essam M Imseis. Natural history of conjugated bilirubin trajectory in neonates following parenteral nutrition cessation. *BMC Pediatrics*, December 2014. PMID 25492029

Matteo Ruggeri, Antonio Bellasi, Filippo Cipriani, Donald Molony, Cynthia S Bell, Domenico Russo, Biagio Di Iorio. Sevelamer is cost effective versus calcium carbonate for the first-line treatment of hyperphosphatemia in new patients to hemodialysis: a patient-level economic evaluation of the INDEPENDENT-HD study. *Journal of Nephrology*, July 2014. PMID 25027030

Ngozi C Agu, Karen M Redwine, Cynthia S Bell, Kathleen M Garcia, David S Martin, Tim S Bricker, Ron J Portman, Monesha Gupta-Malhotra. Detection of early diastolic alterations by Tissue Doppler Imaging in untreated childhood-onset essential hypertension. *Journal of the American Society of Hypertension*, May 2014; 8(5):303-311. PMID 24685005

Gabriela Del Bianco, Cynthia S Bell, Laura J Benjamins, Norma Pérez, Gilhen Rodriguez, James Murphy, Gloria Heresi. Persistently high perinatal transmission of HIV: assessment of risk factors. *The Pediatric Infectious Disease Journal*, June 2014; 33(6):e151-7. PMID 24836756

Monesha Gupta-Malhotra, Richard B Devereux, Archana Dave, Cynthia S Bell, Ron J Portman, Dianna M Milewicz. Aortic dilatation in children with systemic hypertension. *Journal of the American Society of Hypertension*, April 2014; 8(4):239-245. PMID 24507486

Joshua A Samuels, Cynthia S Bell, Joseph T Flynn. In reply to gaps in the evidence for screening children for hypertension to prevent adult cardiovascular disease [Editorial]. *Journal of Clinical Hypertension*, January 2014; 16(1):82. PMID 24410944

Nelio Guzman, Amber S Podoll, Cynthia S Bell, Kevin W Finkel. Myoglobin removal using high-volume high-flux hemofiltration in patients with oliguric acute kidney injury. *American Journal of Kidney Disease*, November 2013; 36(2):107-111. PMID 24080745

Biagio Di Iorio, Donald A Molony, Cynthia S Bell, Emanuele Cucciniello, Vincenzo Bellizzi, Domenico Russo, Antonio Bellasi, on behalf of the INDEPENDENT Study Investigators. Sevelamer versus calcium carbonate in incident hemodialysis patients:

results of an open-label 24-month randomized clinical trial. *American Journal of Kidney Disease*, October 2013; 62(4):771-778. PMID 23684755

Joshua A Samuels, Cynthia S Bell, Joseph T Flynn. Screening children for high blood pressure: Where the US Preventive Services Task Force went wrong [Editorial]. *Journal of Clinical Hypertension*, August 2013; 15(8):526-7. PMID 23889712

German A Contreras, Cynthia S Bell, Gabriela Del Bianco, Norma Pérez, Matthew Kleinosky, James R Murphy, Gloria P Heresi. Prevalence and risk factors associated with resistance associated mutations to Etravirine in a cohort of perinatally HIV infected children. *Journal of Antimicrobial Chemotherapy*, June 2013. PMID 23732699

Joshua A Samuels, Xamayta Negroni-Balasquide, Cynthia S Bell. "Ethnic Differences in Childhood Blood Pressure." *Pediatric Hypertension*, Eds. J.T. Flynn, J.R. Ingelfinger, R.J. Portman. New York: Humana Press, 3rd edition 2013. 241-252. Print.

German A Contreras, Gabriela Del Bianco, Cynthia S Bell, Matthew Kleinosky, James Murphy, Gloria Heresi. Single genotypes underestimate the prevalence of antiretroviral resistance in patients with perinatally acquired HIV. *Journal of Infection*, January 2012; 64(1): 125-6. PMID 22079500

Amber S Podoll, Cynthia S Bell, Donald A Molony. Evidence-based practice in nephrology: critical appraisal of nephrology clinical research: were the correct statistical tests used? *Advances in Chronic Kidney Disease*, January 2012; 19(1): 27-33. PMID 22364798

Cynthia S Bell, Tim Poffenbarger, Joshua A Samuels. Ambulatory blood pressure status in children: comparing alternate limit sources. *Pediatric Nephrology*, August 2011; 26:2211-2217, *Erratum* January 2013; 28(1): 163-163. PMID 21858732

Joyce P Samuel, Cynthia S Bell, Donald A Molony, Michael C Braun. Long-term outcome of renal transplantation patients with Henoch-Schönlein purpura. *Clinical Journal of the American Society of Nephrology*, August 2011; 6: 2034-2040. PMID 21700827

Matthew D Stephen, James W Varni, Christine A Limbers, Michael Yafi, Rubina A Heptulla, Venkat S Renukuntla, Cynthia S Bell, Patrick G Brosnan. Health-related quality of life and cognitive functioning in pediatric short stature: comparison of growth-hormone-naïve, growth-hormone-treated, and healthy samples. *European Journal of Pediatrics*, March 2011; 170(3):351-358. PMID 20886355

Joseph R Angelo, Cynthia S Bell, Michael C Braun. Renal allograft survival in individuals with membranoproliferative glomerulonephritis. *American Journal of Kidney Disease*, February 2011; 57(2): 291-299. PMID 21215503

Chaan S Ng, Andrew D Shaw, Cynthia S Bell, Joshua A Samuels. Effect of IV contrast medium on renal function in oncologic patients undergoing CT in ICU. *American Journal of Roentgenology*, August 2010; 195(2):414-422. PMID 20651198

Amanda S Hering, Cynthia S Bell, Marc G Genton. Modeling spatio-temporal wildfire ignition point patterns. *Environmental and Ecological Statistics*, 2009; 16(2):225-250

Karen L McNiece, Monesha Gupta-Malhotra, Joshua A Samuels, Kathleen Garcia, Tim Poffenbarger, Cynthia S Bell, John M Sorof, Ronald J Portman. Left ventricular hypertrophy in hypertensive adolescents: analysis of risk by 2004 NHBPEP Working Group staging criteria. *Hypertension*, August 2007; 50(2):392-395. PMID 17592068

PRESENTATIONS

Cynthia S Bell, Joshua A Samuels. New AAP Hypertension classification results in fewer hypertensive teens. Pediatric Academic Societies, Toronto, Canada. May 2018.

Cynthia S Bell, Joseph R Angelo, Michael C Braun. The novel application of repeated event survival models to 20 years of longitudinal kidney transplant data from the UNOS national registry. Innovative Epidemiologic Methodology for Analyzing Repeated Measures Session. 3rd North American Congress of Epidemiology, Montreal, Canada. June 2011.

ABSTRACTS

Hector Mendez Figueroa, Cynthia Bell, Stephen M. Wagner, Keya Lee, Isabelle Mulder, Sean C. Blackwell, Suneet P. Chauhan, Megha Gupta. Drills or Simulation Exercises for Postpartum Hemorrhage: A Systematic Review and Bayesian Meta-Analysis. Society for Maternal Fetal Medicine Meeting. February 2022.

Angela Stephens, Cynthia Bell, John Barton, Beth L. Pineles, Baha M. Sibai. Diagnostic Findings Predictive of Maternal Adverse Outcomes Due to Pyelonephritis. Society for Maternal Fetal Medicine Meeting. February 2022.

Angela Stephens, Andrea Baker, Cynthia Bell, John Barton, Beth L. Pineles, Ashley Lamping, Baha M. Sibai. Diagnostic Sepsis in Obstetrics Score Predicts Maternal Adverse Outcomes. Society for Maternal Fetal Medicine Meeting. February 2022.

Stephen Wagner, Cynthia Bell, Megha Gupta, Lara Ouellette, Sean C. Blackwell, Suneet P. Chauhan. Simulation exercises to decrease complications after shoulder dystocia: a systematic review and bayesian meta-analysis. Society for Maternal Fetal Medicine Meeting. January 2021.

Angela Stephens, Andrea Baker, Ashley Lamping, Cynthia Bell, Baha M Sibai. Are qSOFA and omSOFA predictive of maternal adverse outcomes? Society for Maternal Fetal Medicine Meeting. January 2021.

Eric W Reynolds, Cynthia S Bell, Taylor Boles. Heart rate variability during feeding infants with bronchopulmonary dysplasia [oral presentation]. Southern Regional Meeting. February 2021.

Roukaya Al Hammoud, Elizabeth R. Unger, Gitika Panicker, Gabriela Del Bianco, Gloria P. Heresi, Cynthia Bell, James R Murphy, Norma Pérez. Antibody Response to HPV Vaccination in Pediatric and Adolescent People Living with HIV (PLWH). IDWeek. October 2020.

Haitham Al Wahab, Cynthia Bell, Ricardo Mosquera, Sheikh Ahmed. Does Inhaled Ipratropium Bromide prolong PICU length of stay in patients with severe asthma? Critical Care Congress, Orlando, Florida. July 2020.

Gabrielle E Hatton, Cynthia S Bell, Shuyan Wei, Charles E Wade, Lillian S Kao, John A Harvin. Do early non-steroidal anti-inflammatory drugs for analgesia worsen acute kidney injury after severe trauma? A propensity score analysis. Eastern Association for the Surgery of Trauma Annual Scientific Assembly, Orlando, Florida. January 2020.

Roukaya Al Hammoud, Cynthia Bell, Gilhen Rodriguez, James Murphy, Gloria Heresi. Immune activation in perinatally infected HIV-1 patients with microalbuminuria. World Society of Pediatric Infectious Diseases World Congress, Manila, Philippines. November 2019.

Akshita Kumar, Louis A Carrillo, Cynthia S Bell, Claudia Pedroza, Margaret Jackson, Fanni Cardenas, Max Skibber, Charles S Cox. Modified PILOT score for pediatric traumatic brain injury: effect of hypertonic saline. Pediatric Trauma Society, San Diego, California. November 2019.

Sean Hebert, Michael Macris, Ann Guercio, Charles Miller, Cynthia Bell, Donald Molony. The effect of the time interval between coronary angiography and coronary artery bypass grafting (CABG) on postoperative acute kidney injury: Analysis of the Society of Thoracic Surgeons Adult Cardiac Surgery Database. Society of Thoracic Surgeons Annual Meeting, San Diego, California. January 2019.

Cynthia S Bell, Joshua A Samuels. Simplified BP-for-height charts to identify high blood pressure by AAP guidelines. 2nd International Congress of Hypertension in Children and Adolescents, Warsaw, Poland. May 2019.

Cynthia S Bell, Sean Hebert, Alex De Golovine, Rita Swinford. Have graft outcomes improved for pediatric transplant recipients since the implementation the kidney allocation system [presentation]. American Transplant Congress, Boston, Massachusetts. June 2019.

Jennifer Kinney, Cynthia Bell, Rita Swinford, Donald Molony, Joyce Samuel. 30 year perspective shows favorable transplant outcomes in ANCA vasculitis. International Pediatric Nephrology Association Congress, Venice, Italy. October 2019.

Ricardo Mosquera, Elenir Avritscher, Cheryl Samuels, Tomika Harris, Claudia Pedroza, Taci Gonzales, Julie Eapen, Aravind Yadav, Michelle Poe, Cynthia S Bell, Julie Shelburne, Jon Tyson. Primary Care Program Providing Inpatient Consultations for Children with Medical Complexity (CMC): A Randomized Controlled Trial (RCT) [presentation]. Pediatric Academic Societies, Toronto, Canada. May 2018.

Cynthia S Bell, Joshua A Samuels. Applying the new Clinical Practice Guidelines: prevalence of hypertension in children [presentation]. Pediatric Academic Societies, Toronto, Canada. May 2018.

Sarah Kamal, Cynthia S Bell, Grace Truong, Joyce Samuel, Adrienne Walton, Joshua Samuels. Prevalence of White Coat and Masked Hypertension in Pediatric Patients Referred for Elevated Blood Pressure. Pediatric Academic Societies, Toronto, Canada. May 2018.

Grace Truong, Cynthia S Bell, Sarah Kamal, Joyce Samuel, Adrienne Walton, Joshua Samuels. Diagnostic evaluation of children in hypertension clinic: implications of the new AAP guidelines. Pediatric Academic Societies, Toronto, Canada. May 2018.

Rebecca Sabates, Cynthia S Bell, Allison Dempsey, Andrea Duncan. Predictive Validity of the Ages and Stages Questionnaire in Toddlers Born Less than 28 Weeks Gestation. Pediatric Academic Societies, Toronto, Canada. May 2018.

Eric Reynolds, Debbie Grider, Cynthia S Bell. Swallow-Breath Interaction and Phase of Respiration With Swallow During Nutritive Feeding in Low-Risk Preterm Infants. Pediatric Academic Societies, Toronto, Canada. May 2018.

Elizabeth Hillman, Christopher Reinhackel, Cynthia S Bell, Chiamaka Aneji. Use of simulation in pediatric resident understanding of neonatal conventional ventilation: a randomized trial. Pediatric Academic Societies, Toronto, Canada. May 2018.

Rajesh Pandey, Lydia Youmans, Cynthia S Bell, Chiamaka Aneji, John Breinholt, Amir Khan. Outcomes of Infants with Non- Medical Management of Patent Ductus Arteriosus - Comparative Analysis of Surgical Verses Catheterization Based Closure. Pediatric Academic Societies, Toronto, Canada. May 2018.

Cynthia S Bell, Joyce P Samuel, Eric Cheung, Joshua A Samuels. An experience with blood pressure screening in adolescents: finding the predictors of confirmed hypertension. International Pediatric Nephrology Association workshop, Heidelberg, Germany. May 2017.

Joyce P Samuel, Joshua A Samuels, Cynthia S Bell, Claudia Pedroza, Sean A Hebert, Arun T Varughese, Donald A Molony, Jon Tyson. Office Blood Pressure Alone Misclassifies Treatment Status in Children with Essential Hypertension [presentation]. Pediatric Academic Societies, Baltimore, Maryland. April 2016.

Sheri L Balsara, Cynthia S Bell, Joyce P Samuel, Joshua A Samuels. Interpretation of working group hypertension definition greatly affects prevalence. Pediatric Academic Society, Baltimore, Maryland. April 2016.

Germann Contreras, Cynthia S Bell, Mathew Kleinosky, James R Murphy, Laura J Benjamins, Gabriela Del Bianco, Norma Pérez, Gilhen Rodriguez, James R Murphy, Gloria P Heresi. Influence of birth cohort and ethnicity on thymidine analogue mutations incidence rate in perinatally HIV infected cohort. The World Society for Pediatric Infectious Disease, Rio de Janeiro, Brazil. November 2015.

Germann Contreras, Cynthia S Bell, Mathew Kleinosky, Laura J Benjamins, Gabriela Del Bianco, Norma Pérez, Gilhen Rodriguez, James R Murphy, Gloria P Heresi. Ethnicity associated disparities in antiretroviral resistance among perinatally HIV infected children and adolescents. IDWeek, San Diego, California. October 2015.

Haendel Muñoz, Joyce P Samuel, Cynthia S Bell, Amir Khan. Neonatal hypertension: Improving blood pressure measurement and documentation in the NICU. Renal Research Institute, Rio Grande, Puerto Rico. January 2015.

Laura J Benjamins, Gabriela Del Bianco, Cynthia S Bell, Norma Pérez, Gilhen Rodriguez, James R Murphy, Gloria P Heresi. Still high - Perinatal transmission of HIV in Houston, Texas. European Society for Paediatric Infectious Diseases, Dublin, Ireland. May 2014.

Joyce P Samuel, Cynthia S Bell, Joshua A Samuels, Donald A Malony, Jon Tyson. Individualizing the treatment of essential hypertension in children using n-of-1 trials: scientific rationale and study design. Pediatric Academic Societies, Vancouver, Canada. May 2014.

Xamayta Negroni-Balasquide, Cynthia S Bell, Joyce P Samuel, Joshua A Samuels. Is one blood pressure measurement enough? Renal Research Institute, Las Vegas, Nevada. January 2014.

Cynthia S Bell, Joseph R Angelo, John S Bynon, Rita D Swinford. Revisiting the second kidney transplant in children. American Transplant Congress, Seattle, Washington. May 2013.

Joshua A Samuels, Joyce P Samuel, Cynthia S Bell. Race, ethnicity and obesity in adolescent hypertension [presentation]. Pediatric Academic Societies, Washington, DC. May 2013.

Xamayta Negroni-Balasquide, Cynthia S Bell, Rita D Swinford. Should the Target Hemoglobin Level in Children be the same as Adults? Renal Research Institute, Rio Grande, Puerto Rico. January 2013.

Joshua A Samuels, Karen McNiece Redwine, Tim Poffenbarger, Joyce P Samuel, Cynthia S Bell. Blood pressure and BMI in school aged children. American Society of Nephrology Kidney Week, San Diego, California. October 2012.

Joshua A Samuels, Scott Pratt, Tim S Poffenbarger, Eric Cheung, Joyce P Samuel, Cynthia S Bell. Auscultatory versus oscillometric blood pressure measurements in teens. American Society of Hypertension, New York, New York. May 2012.

Cynthia S Bell, Tim S Poffenbarger, Joshua A Samuels. Racial modification of blood pressure and height relationship in children and adolescents. Pediatric Academic Societies, Boston, Massachusetts. April 2012.

Ngozi C Agu, Cynthia S Bell, Tim Poffenbarger, Karen M Redwine, John T Bricker, Monesha Gupta-Malhotra. Detection of early diastolic dysfunction by tissue doppler in children with childhood-onset essential hypertension. American College of Cardiology, Chicago, Illinois. March 2012.

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Misti Ellsworth, Norma Pérez, Cynthia S Bell, Laura J Benjamins, Gilhen Rodriguez, James R Murphy, Gloria Heresi. Perinatal HIV: Progressive increase in CD8+ cell activation in the face of stable CD4+ and declining viremia. Infectious Disease Society of America, Vancouver, Canada. October 2010.

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Chemotherapy, American Society for Microbiology, Boston, Massachusetts. September 2010.

Joyce P Samuel, Cynthia S Bell, Donald A Molony, Michael C Braun. Long-term outcome of renal transplantation patients with Henoch-Schönlein Purpura: analysis of the United Network for Organ Sharing (UNOS) database. International Pediatric Nephrology Association, New York, New York. August 2010.

Gabriela Del Bianco, Norma Pérez, Cynthia S Bell, James R Murphy, Gloria Heresi. Mother to child transmission of HIV-1 in Texas, USA, 2002-2007. 6th World Congress of the World Society for Pediatric Infectious Diseases. Buenos Aires, Argentina. November 2009.

Cynthia S Bell, Alisa A Acosta, Karen L McNiece, Ronald J Portman, Joshua A Samuels. Distributions of pediatric blood pressure index and percentiles: implications as diagnostic tools. Joint Statistical Meetings, Washington, DC. August 2009.

Joseph R Angelo, Cynthia S Bell, Michael C Braun. Renal allograft outcomes in patients with membranoproliferative glomerulonephritis type I and II. American Transplant Congress, Boston, Massachusetts. May 2009.

Joshua A Samuels, Cynthia S Bell, Tim Poffenbarger, Alisa A Acosta. Ambulatory blood pressure (ABP) status in children: comparing two limit structures. Pediatric Academic Society, Baltimore, Maryland. May 2009.

Cynthia S Bell, Jean Beander, Tim Poffenbarger, Ronald J Portman, Joshua A Samuels. Normative blood pressure limits in children by oscillometric monitor compared to Working Group limits. American Society of Nephrology Kidney Week, Philadelphia, Pennsylvania. November 2008.

Joshua A Samuels, Alisa A Acosta, Tim Poffenbarger, Cynthia S Bell, Kathy Franco. Sleep duration by ambulatory blood pressure monitoring (ABPM): 16 year experience. Pediatric Academic Society, Honolulu, Hawaii. May 2008.

Alisa A Acosta, Cynthia S Bell, Karen L McNiece, Ronald J Portman, Joshua A Samuels. Clinical and research use of blood pressure index and z-score in pediatric hypertension. Pediatric Academic Society, Honolulu, Hawaii. May 2008.

Marta P Suárez-Rivera, Cynthia S Bell, Rita D Swinford. Stability of hemoglobin target in children on hemodialysis using a darbepoietin[©] dosing protocol. Pediatric Academic Society, Honolulu, Hawaii. May 2008.

Karen L McNiece, Monesha Gupta-Malhotra, Cynthia S Bell, Kathleen Garcia, David Martin, Ronald J Portman. Brachial artery dilatation in children with hypertension. Pediatric Academic Society, Toronto, Canada. May 2007.

Joseph R Angelo, Monesha Gupta-Malhotra, Ronald J Portman, Cynthia S Bell, Karen L McNiece. Regression of left ventricular hypertrophy in children with essential hypertension. Pediatric Academic Society, Toronto, Canada. May 2007.

CURRENT AND PAST GRANT SUPPORT	<p>Creating Entrustment in Obtaining Informed Consent McGovern Medical School Education Innovation Grant Statistician with Emma Omoruyi, MD, MPH and Amalia Guardiola, MD (PIs) 2020-2021</p> <p>n-of-1 Trials in Children with Hypertension (NICHE) Children's Hospital of Philadelphia Pediatric Center of Excellence in Nephrology Co-PI with Joyce P Samuel, MD, MS 2020-2021</p> <p>Chronic Kidney Disease in Children (CKiD) NIH/NIDDK Statistician with Joshua A Samuels, MD, MPH (PI) 2019-2021</p> <p>Health Economic Evaluation of Sevelamer in Chronic Kidney Disease in Saudi Arabia King Faisal Specialist Hospital and Research Center Co-PI with Donald A Molony, MD 2017-2018</p>
DATA SAFETY MONITORING BOARDS	<p>UTHealth at Houston, Division of Pediatric Gastroenterology Lactobacillus Infant Sleep Study 2020 - 2021</p> <p>UTHealth at Houston, Tuberos Sclerosis Center of Excellence Tuberos Sclerosis Drug Trial 2011 - 2015</p> <p>UTHealth at Houston, Division of Pediatric Gastroenterology Lactobacillus GG Study 2011 - 2013</p> <p>Merck Pediatric Antihypertensive Trial 2009 - 2012</p>
EDITORIAL POSITIONS	<p>Statistical Section Editor & Editorial board member Hypertension Ad hoc reviewer Hypertension, Trials, Circulation, BMJ Open, Global Pediatric Health, Journal of the American Heart Association, American Journal of Epidemiology, International Jour- nal of Pediatrics, African Health Sciences, International Journal of Obesity, JAMA, Jornal de Pediatria, Journal of Human Hypertension, Pediatric Research, Pediatrics, Pediatric Nephrology</p>
SKILLS	<p>Technical Stata, R, SPSS, SAS, Java, Visual Basic, Unix, L^AT_EX, HTML, CSS. Languages English (native), advanced French, moderate Spanish, basic Mandarin Chinese.</p>
PROFESSIONAL MEMBERSHIPS	<p>Society for Epidemiologic Research, 2011 - Present. American Statistical Association, 2004 - Present.</p>

COMMUNITY
SERVICE

UTHealth COVID vaccination distribution volunteer, 2021-2021.
Interfaith Ministries refugee services and aniMeals volunteer, 2016 - 2019.
Box 13 ArtSpace Board Member, 2011 - 2012.
CASA Court-Appointed Child Advocate, 2010 - 2011.