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BACKGROUND

EDUCATION

- Harvard University, Cambridge, MA, PostDoc, 2014.
- University of Pittsburgh, Pittsburgh PA, Ph.D, 2010.
- Wright State University, Dayton, Ohio, M.S. 2006.
- University of Buea, Buea, Cameroon, B.Sc, 2002.

HONORS And AWARDS

- Paul Dudley White International Scholar Award** to Recognize the Authors with Highest Ranked Abstract from the United States on the International Stroke Conference 2023
- Star award UTHealth-Houston 2021
- Field Institute Ontario Canada Travel Award 2016.
- Pre-Doctorate fellowship, NIH-NCI training grant: 2008-2010.
- NIH Disadvantage students Award 2006.

PROFESSIONAL EXPERIENCE

- **Associate Professor (Tenured)**, Department of Biostatistics & Data Science, University of Texas Health Science Center-Houston,TX USA. **2021 –**

Lead Statistician, Center for Pediatric Population Health, UTHealth & Children's Health, TX USA **2018—**

- **Associate Editor**
The American Journal of Physical Medicine and Rehabilitation **2021—**

- **Adjunct Associate Professor**, Department of Orthopaedic Surgery, University of Texas Southwestern Medical Center, Dallas, TX USA. **2024 –**

- **Adjunct Associate Professor**, Peter O'Donnell Jr School Public Health, University of Texas Southwestern Medical Center, Dallas, TX USA. **2025 –**

- **Assistant Professor**, Department of Biostatistics & Data Science, University of Texas Health Science Center-Houston,TX USA. **2015–2021**

- **Adjunct Faculty**, Department of Neurology & Neurotherapeutics, UT Southwestern Medical Center, Dallas, TX USA. **2016–2021**

- **Research Associate**, Department of Emergency Medicine, Brigham and Women's Hospital Harvard Medical School, Boston MA 2011-2012

- **Contract Biometrician**, Pfizer 2/2011-6/2011

- **Consulting Biostatistician**, Allegheny Singer Research Institute - West Penn Hospital, Pittsburgh, PA 2006–2010

- **Research Assistant**, University of Pittsburgh, Pittsburgh, PA 2007-2010

- **Teaching Assistant**, Wright State University, Department of Mathematics and Statistics, Dayton OH, 2004-2006

TEACHING EXPERIENCE

Courses

Instructor: University of Texas Health Science Center-Houston **Graduate courses, PhD and Master Level** 2015—
 •PH1690 :Foundation of Biostatistics (Summer 2016))
 (Spring 2016) (Fall 2017)(Fall 2018 ,)(Fall 2019 face-to-face, ITV:)(Sprig 2020 online (Summer 2021, 2022, 2023 online))
 •PH1700 :Intermediate Biostatistics (Fall 2015) (Summer 2017, Fall 2020) (Summer 2018 online)
 •**Teaching Assistant** Mathematics & Statistics Wright States University
 Courses taught: Introduction to Statistics and Algebra 2004-2006

Thesis & Dissertations

Graduate Student Dissertations and Theses Chaired by Me

- Shannon Anjelica Allport, MD MPH. May 2016
- Afrida Faria, MPH. Aug 2018
- Phuong-Uyen N. Vo DO MPH. May 2019
- Aardhra Venkatachalam MPH. Dec 2019
- Sameer Z Al-Obaidi, MPH. Dec 2020
- Jeffrey G. Button MPH. Dec 2019
- Hilda Loria, MD MPH. May 2020
- Amna Butt, MBBS MPH. Dec 2020
- Amy Li, MPH May 2021
- Brandon Nussbaum, BS MS. July 2021
- Priyanka Rana MBBS MPH. Dec 2021
- Ifeoluwa T. Shoyombo MD MPH. May 2022
- Prachi Singh MD MPH. May 2022
- Curtis Herges MPH. May 2023
- Elyse Mcnamara-Pittler MPH(c). May 2024
- Chandana V. Golla MD(c) MPH(c) May 2024
- Vianai Carreno MPH(c) May 2024
- Connor Eichenwald MD(c) MPH(c) May 2024
- Wenting Liu MS PhD(c) Aug 2025

Masters and Doctoral Committees

- Katelyn K. Jetelina, MPH: Ph.D. Dept. of Epidemiology. 2016.
- Tiffany Kindratt PhD Dept. of Epidemiology. 2018.
- Alice Blanche Sylvie Djotsa, MS, MA, Ph.D Dept. of Epidemiology. 2018.
- John Bosco Umejiego MBBS Ph.D . Dept. of Epidemiology. 2018.
- Xiao Yu, MS: Ph.D Dept. of Biostat & Data Sc 2019.
- Sitara Weerakoon: MPH PhD Dept. of Epidemiology. 2019.
- Lauren Tien: MPH Dept. of Epidemiology. 2019.
- Jessica Austin MPH Ph.D Dept. of Health Promotion and Behavioral Sciences. 2019.
- Itunu Sokale MD, MPH, DrPH Dept. of Health Promotion and Behavioral Sciences. 2021.
- Luyu Xie PharmD, Ph.D . Dept. of Epidemiology. 2022.
- Eriko Iwatate, Ph.D . Dept. of Epidemiology. 2022.
- Madeline Roberts, Ph.D . Dept. of Epidemiology. 2022.
- Joshua Yudkin MPH Ph.D Dept. of Epidemiology. 2023.
- Quiera Booker MPH, Ph.D . Dept. of Epidemiology. 2023.
- Shanthi Raj MPH Ph.D Dept. of Health Promotion and Behavioral Sciences. 2023.
- Lauren Q Malthaner MPH Ph.D Dept. of Epidemiology. 2024.
- Samuel K. Darko MPH DrPH Dept. of Public Policy. 2024.

PROFESSIONAL SERVICES

Internal Professional Services

- **Recruitment:** Texas Southern University, Oct 2018
- **Recruitment:** Talk at University of Houston-Arlington, Nov 2017
- Academic Council Member for Dallas Campus, 2015–2021
- Global Health Advisor Dallas Campus, 2015—
- Admission Committee Member UT Health Biost & Data Sc. 2015—
- **Recruitment:** Talk at University of Houston-Victoria, Nov 2015

External Professional Services

- Mentor at ASA Diversity Mentoring Program, 2017—
- JPS Annual Research Day Judge, 2015, 2016, 2017.
- Coordinator of the NeuroStatistics Seminar series, Department of Biostatistics, Harvard T. H Chan School of Public Health, Fall 2014

Review Services**Grants**

- Environmental influences on Child Health outcomes (ECHO) Cohort Study Sites Mar 2023
- NIH Cardiovascular and Respiratory Diseases Nov 2022
- NSF Reviewer 2022
- NIH Infectious Disease and Reproductive Epidemiology Nov 2021
- NIH-NIGMS Scientific Review for R25 Training Modules to Enhance the Rigor, Reproducibility and Responsible Conduct of Biomedical Data Science Research. Nov 2020—
- NIH Scientific Review for Clinical Observational (CO) Studies in Musculoskeletal, Rheumatic, and Skin Diseases (NIAMS) Study Section: Feb 2020, Oct 2024—
- NIH Scientific Review for cardiovascular and respiratory science R15 Study Section: May 2019—
- NIH Scientific Review for Neurological, Aging and Musculoskeletal Epidemiology (NAME) Study Section: Feb 2019, June 2020—
- Grants Reviewer, DOJ, Office of Justice Programs Bureau of Justice Assistance (BJA) 2017—

Journals

- Associate Editor for Research Design and Analysis
The American Journal of Physical Medicine and Rehabilitation 2021—
- Journal of Computational and Graphical Statistics 2024—
- Biostatistics 2018—
- Neurocritical Care Journal 2018—
- Nature 2017—
- BMJ 2017—
- Statistics in Medicine 2017—
- Pharmaceutical Statistics 2017—
- Biometrical Journal 2017—
- Journal of the Society for Clinical Trials 2016—
- Statistical Methodology 2016—
- International Journal of Medical Science and Public Health 2015—
- Journal of Health and Medical Economics 2015—
- Journal of Applied Statistics 2011—

Other Committees

- Member, Academic Council, University of Texas School of Public Health 2016-22
- Global Health Concentration Advisor for UT Health-Houston, Dallas Campus 2016—

Special Skills**Language**

French and English.

Computer Experience

Software: SAS, Python, R, Stata, Latex, Pascal, Java, M-Plus, S-plus.
SAS Certified Base Programmer

PROFESSIONAL AFFILIATIONS

Society For Research On Nicotine and Tobacco	2020—
American Statistical Association (ASA)	2006—
Bilingual Grammar School-Buea EX Student Association (BIGSEA)	2000—

PUBLICATIONS (NB: Student paper Name*)

1. Yang, B.S.K., Savarraj, J.P., Chen, H., Hinds, S.N., Torres, G.L., Ryan, A.S., **Atem, F.D.**, Lorenzi, P.L., Ren, X.S., Badjatia, N. and Choi, H.A., 2025. Systemic Metabolic Alterations after Aneurysmal Subarachnoid Hemorrhage: A Plasma Metabolomics Approach. medRxiv. DOI: 10.1101/2025.01.06.25320083 LicenseCC BY-NC-ND 4.0
2. Sokale I, Wermuth P, Wilkerson J, **Atem F**, Khuwaja S, Troisi C; National HIV Behavioral Surveillance Study Group. Predictors of perceived HIV stigma among people who inject drugs in the United States. Harm Reduct J. 2025 Aug 30;22(1):148. doi: 10.1186/s12954-025-01285-x. PMID: 40885966; PMCID: PMC12398090.
3. Nitin Jain, MD; Rashmi Pathak, MPH; **Folefac Atem, PhD**; James Gardner, MD; Ursa Bezan Petric, BS; Ravi Prakash, PhD. Association of BMI and smoking at onset with Glenohumeral Osteoarthritis: A systematic review and meta-analysis. **In Press Journal: Archives of Physical Medicine and Rehabilitation**
4. Malthaner, Lauren; McLeigh, Jill; Knell, Gregory; Jetelina, Katelyn; **Atem, Folefac**; Messiah, Sarah. Prenatal substance exposure and positive developmental delay screening among patients in foster care. **In Press: JDBP**
5. Messiah SE, Ernest DK, **Atem FD**, Qureshi FG, Mathew MS, Francis JM, Wheelington A, Allicock MA, Cartwright BR, Schneider BE, Cruz-Muñoz N, Lipshultz SE, Lingvay I, Almandoz JP, Barlow SE. Metabolic and Bariatric Surgery Utilization in the Era of GLP-1 Receptor Agonists among Adolescents Versus Adults. J Pediatr. 2025 Mar 23:114564. doi: 10.1016/j.jpeds.2025.114564. Epub ahead of print. PMID: 40132747.
6. Jackson Meade Francis; Sitapriya Subrahmanyam Neti; Dhatri Polavarapu; **Folefac Atem**; Luyu Xie; Olivia Kapera; Matthew Sunil Mathew; Elisa Marroquin; Carrie McAdams; Jeffrey Schellinger et al. Association of Social Media Recruitment and Depression Among Racially and Ethnically Diverse Metabolic and Bariatric Surgery Candidates: A Prospective Cohort Study (Preprint) JMIR Formative Research 2024-04-12 — Journal article DOI: 10.2196/58916
7. Wheelington A, Ernest D, Xie L, **Atem F**, Neti S, Braxton R, Misserian M, Francis J, Mathew MS, Allicock M, Cartwright B, Qureshi F, Barlow S, Messiah S. Relationship Between Weight Bias Internalization and Health-Related Quality of Life Among Adolescents Seeking Metabolic and Bariatric Surgery. Obes Surg. 2025 Feb 25. doi: 10.1007/s11695-025-07731-w. Epub ahead of print. PMID: 39998777.
8. Ravi Prakash; Rashmi Pathak; Ziyi Chen; Daniel Tai; Ursa Bezan Petric; Estefanie Garduno Rapp; **Folefac Atem**; Michael Khazzam; Nitin Jain. Risk Factors Associated with Degenerative Glenohumeral Osteoarthritis. **In Press BMJ Open Sport & Exercise Medicine**
9. Malthaner, Lauren; McLeigh, Jill; Knell, Gregory; Jetelina, Katelyn; **Atem, Folefac**; Messiah, Sarah. Preventable Emergency Department Utilization among Patients with Foster Care History Compared to Patients without Foster Care History. 10.1177/10775595241300971 Child Maltreatment PMID: 39585789
10. Linda Denke, **Folefac D. Atem**, Michael Rubin. A Correlational Study of Spirituality and Burnout in Hospital Nurses. **In Press NCF JCN**
11. McNamara-Pittler, Elyse N.; Prakash, Ravi; **Atem, Folefac D.**; Pathak, Rashmi; Liu, Went-ing; Khazzam, Michael; Jain, Nitin B. Risk Factor Prediction and Categorization for Glenohumeral Osteoarthritis: A Classification and Regression Tree (CART) Analysis. American

- Journal of Physical Medicine & Rehabilitation ():10.1097/PHM.0000000000002616, August 26, 2024. — DOI: 10.1097/PHM.0000000000002616 PMID: 39235849
12. Lauren Q. Malthaner, Jill D. McLeigh, Gregory Knell, Katelyn K. Jetelina, **Folefac Atem**, Sarah E. Messiah, Child maltreatment and behavioral health outcomes in child welfare: Exploring the roles of severity and polyvictimization, *Child Abuse & Neglect*, Volume 156, 2024, 106998, ISSN 0145-2134, <https://doi.org/10.1016/j.chiabu.2024.106998>. (<https://www.sciencedirect.com/science/article/pii/S0145213424006998>) PMID: 39213879
 13. Denke, Linda PhD, RN, CCRC; Allen, Meredith BSN, RN, BMTCN; **Atem, Folefac MS, PhD**; Nair, Kavitha MSN, RN, OCN, NEA-BC; Warkola, Ramona RNC, BSN, OCN, BMTCN; Gonzales, Miriam BSN, RN, BMTCN. Heparin Versus Saline: A Comparative Study to Support Practice Change Within an Organization. *Journal of Infusion Nursing* 48(1):p 11-16, January/February 2025. — DOI: 10.1097/NAN.0000000000000569, PMID: 39760873
 14. Sokale I, Wilkerson J, Wermuth P, **Atem F**, Burnett J, Wejnert C, Khuwaja S, Troisi C; National HIV Behavioral Surveillance Study Group. Past-Year HIV Testing, Current Antiretroviral Therapy Use, and Participation in Services for People Who Inject Drugs. *AIDS Behav*. 2024 Jun 1. doi: 10.1007/s10461-024-04369-0. Epub ahead of print. PMID: 38822083.
 15. Nguyen B, Marshall JL, Rana C* , **Atem F**, Stutzman SE, Olson DM Aiyagari V, Ray B. Prospective study examining the impact of cerebral angiography on quantitative pupillometer values in the interventional radiology suite. *BMJ Open* 2024;14:e080779. doi: 10.1136/bmjopen-2023-080779. PMID: 38423768
 16. **Atem FD**, Bluestein MA, Chen B, Harrell MB, Messiah SE, Kuk AE, Pérez A. Application of inverse weighting analysis to assess the association of youth perceptions with the age of initiation of tobacco products. *Front. Public Health*, 20 February 2024 Sec. Substance Use Disorders and Behavioral Addictions Volume 12 - 2024 — <https://doi.org/10.3389/fpubh.2024.1203631>. PMID: 38450147
 17. Simmonds KP, **Atem FD**, Welch BG, Ifejika NL. Racial and Ethnic Disparities in the Medical Management of Poststroke Complications Among Patients With Acute Stroke. *J Am Heart Assoc*. 2024 Feb 23:e030537. doi: 10.1161/JAHA.123.030537. Epub ahead of print. PMID: 38390802.
 18. Prakash R, Gardner JE, Petric UB, Pathak R, **Atem F**, Jain NB. Association of age and sex at onset with Glenohumeral Osteoarthritis: A systematic review and meta-analysis. *Am J Phys Med Rehabil*. 2024 Jan 8. doi: 10.1097/PHM.0000000000002419. Epub ahead of print. PMID: 38207175.
 19. Xie L*, **Atem F**, Mathew MS, Almandoz JP, Schellinger JN, Kapera O, Ngenge S, Francis J, Marroquin EM, McAdams C, Kukreja S, Schneider BE, Messiah SE. Factors Associated with the Decision to Complete Bariatric Metabolic Surgery among a Racially and Ethnically Diverse Sample of Adults: A Classification and Regression Tree Analysis. *Obes Surg*. 2023 Dec 18. doi: 10.1007/s11695-023-06999-0. Epub ahead of print. PMID: 38105283.
 20. Heineman T, Orrick C, Phan T, Denke L, **Atem F**, Draganic K. Clinical decision support tools useful for identifying sepsis risk. *Nursing* 54(4):p 50-56, April 2024. DOI: 10.1097/01.NURSE.0001007628.31606.ee
 21. Lebron CN, **Atem F**, Rana P, Natale R, Messiah SE. Child Care Center Staff Readiness to Change in an Early Childhood Obesity Prevention Program. *J Public Health Manag Pract*. 2024 Jul-Aug 01;30(4):526-534. doi: 10.1097/PHH.0000000000001850. Epub 2024 Jun 12. PMID: 38870370.
 22. Yudkin JS(*), Allicock MA, **Atem FD**, Galeener CA, Messiah SE, Barlow SE. The Use of Electronic Health Record Data to Identify Variation in Referral, Consent, and Engagement in a Pediatric Intervention for Overweight and Obesity: A Cross-Sectional Study. *Popul Health Manag*. 2023 Oct 4;26(6):365–77. doi: 10.1089/pop.2023.0120. Epub ahead of print. PMID: 37792388; PMCID: PMC10698793.
 23. Roberts MM*, Marino M, Wells R, **Atem FD**, Balasubramanian BA. Differences in Use of Clinical Decision Support Tools and Implementation of Aspirin, Blood Pressure Control, Cholesterol Management, and Smoking Cessation Quality Metrics in Small Practices by Race and Sex. *JAMA Netw Open*. 2023;6(8):e2326905. doi:10.1001/jamanetworkopen.2023.26905 [PMID: 37531106]

24. Venkatachalam AM*, Hossain SR, Manchi MR, Chavez AA, Abraham AM, Stone S, Truong V, Cobos CU, Khuong T, **Atem FD**, Welch B, Ifejika NL. Variability in the Transition of Care to Post-Stroke Rehabilitation During the First Wave of COVID-19. *Am J Phys Med Rehabil*. 2023 May 15. doi: 10.1097/PHM.0000000000002287. Epub ahead of print. PMID: 37205606.
25. Iwatate E*, **Atem FD**, Jones EC, Hughes JL, Yokoo T, Messiah SE. Trends in the relationship between suicide behaviors and obesity among adolescents in the United States from 1999 to 2019. *Eur Child Adolesc Psychiatry*. 2023 Mar 18;. doi: 10.1007/s00787-023-02191-y. [Epub ahead of print] PubMed PMID: 36933151.
26. Manchi MR, Venkatachalam AM, **Atem FD**, Stone S, Mathews AA, Abraham AM, Chavez AA, Welch BG, Ifejika NL. Effect of inpatient rehabilitation facility care on ninety day modified Rankin score in ischemic stroke patients. *J Stroke Cerebrovasc Dis*. 2023 Apr 7;32(6):107109. doi: 10.1016/j.jstrokecerebrovasdis.2023.107109. [Epub ahead of print] PubMed PMID: 37031503..
27. Thakur, B; Ayers, G; **Atem, F**; DeClerq, J; Jain, Nitin B. Statistical and methodological considerations for randomized-controlled trial design in physical medicine and rehabilitation. *American Journal of Physical Medicine & Rehabilitation* (:10.1097/PHM.0000000000002225, March 1, 2023. — DOI: 10.1097/PHM.0000000000002225
28. Yudkin JS, Allicock MA, **Atem FD**, Galeener CA, Messiah SE, Barlow SE. Efficacy of a Primary Care eHealth Obesity Treatment Pilot Intervention Developed for Vulnerable Pediatric Patients. *Child Obes*. 2023 Mar 9. doi: 10.1089/chi.2022.0185. Epub ahead of print. PMID: 36893214.
29. Iwatate E*, **Atem FD**, Jones EC, Hughes JL, Yokoo T, Messiah SE. Association of Obesity, Suicide Behaviors, and Psychosocial Wellness Among Adolescents in the United States. *J Adolesc Health*. 2023 Jan 14:S1054-139X(22)01020-5. doi: 10.1016/j.jadohealth.2022.11.240. Epub ahead of print. PMID: 36646564. ISSN 1054-139X, <https://doi.org/10.1016/j.jadohealth.2022.11.240>.
30. **Atem FD**, Bluestein MA, Harrell MB, Chen B, Messiah SE, Kuk AE, Sterling KL, Spells CE, Pérez A. Precise Estimation for the Age of Initiation of Tobacco Use Among U.S. Youth: Finding from the Population Assessment of Tobacco and Health (PATH) Study, 2013-2017. *Biostat Biom Open Access J*. 2022 Oct;11(1):555801. doi: 10.19080/bboaj.2022.11.555801. Epub 2022 Oct 21. PMCID: PMC9912413.
31. Rana P*, **Atem FD**, Lebron C, Sunil Mathew M, Natale RA, Messiah SE. Relationship between teacher fidelity to an early childhood obesity prevention program and the Child care center nutrition and physical activity environment. *Prev Med Rep*. 2022 Dec;30:102024. doi: 10.1016/j.pmedr.2022.102024. eCollection 2022 Dec. PubMed PMID: 36262774; PubMed Central PMCID: PMC9574711.
32. Draganic K, Denke L, **Atem FD**, Kershaw C, Williams K, England V. Longitudinal depression screening of frontline critical care nurses during the COVID-19 pandemic: A mixed-methods study. *Nursing*. 2023 Apr 1;53(4):54-61. doi: 10.1097/01.NURSE.0000920444.46279.2c. PMID: 36946641.
33. Denke, L., **Atem, F. D.**, & Khazzam, M. (2022). Incidence of and predictors for serious opioid-related adverse drug events. *Nursing*, 52(10), 56-61. <https://doi.org/10.1097/01.NURSE.0000872476.95884.05>[PMID: 36129510]
34. Xie L*, Gelfand A, Mathew MS, Atem FD, Delclos GL, Messiah SE. Association of corticosteroid use and attention deficit/hyperactivity disorder in asthmatic children varies by age. *J Asthma*. 2022 Jun 25:1-10. doi: 10.1080/02770903.2022.2089995. Epub ahead of print. PMID: 35696551.
35. Xie LX, Gelfand A, Murphy CC, Mathew MS, **Atem F**, Delclos GL, Messiah S. Prevalence of polypharmacy and associated adverse outcomes and risk factors among children with asthma in the USA: a cross-sectional study. *BMJ Open*. 2022 Oct 13;12(10):e064708. doi: 10.1136/bmjopen-2022-064708. PMID: 36229143.
36. Stutzman SE, Olson DM, Venkatachalam A, Barnes A, **Atem FD**. (2022). The Presence Of Cataract Does Not Influence Assessment Of The Pupillary Light Reflex Using Automated Pupillometry. *Journal of Caring Sciences*. 3(2):85-95. doi.org/10.37719/jhcs.2021.v3i2.0a001

37. Xie L*, Gelfand A, Mathew MS, **Atem FD**, Srikanth N, Delclos GL, Messiah SE. Adverse Drug Events Related to Common Asthma Medications in US Hospitalized Children, 2000-2016 [published online ahead of print, 2022 Jun 8]. *Drugs Real World Outcomes*. 2022;10.1007/s40801-022-00304-8. doi:10.1007/s40801-022-00304-8. PMID 35676469
38. Campos YA, Rana P, Reyes RG, Mazhar K, Stutzman SE, **Atem F**, Olson DM, Aiyagari V. Relationship Between Automated Pupillometry Measurements and Ventricular Volume in Patients With Aneurysmal Subarachnoid Hemorrhage. *J Neurosci Nurs*. 2022 Aug 1;54(4):166-170. doi: 10.1097/JNN.0000000000000657. Epub 2022 Jun 21. PMID: 35776519.
39. de la Cruz-Muñoz N, Xie L, Quiroz HJ, Kutlu OC, **Atem F**, Lipshultz SE, Mathew MS, Messiah SE. Long-Term Outcomes after Adolescent Bariatric Surgery. *J Am Coll Surg*. 2022 Jul 15. doi: 10.1097/XCS.0000000000000325. Epub ahead of print. PMID: 36102560
40. Kuk AE, Bluestein MA, Chen B, Harrell M, Spells CE, **Atem F**, Pérez A. The Effect of Perceptions of Hookah Harmfulness and Addictiveness on the Age of Initiation of Hookah Use among Population Assessment of Tobacco and Health (PATH) Youth. *Int J Environ Res Public Health*. 2022 Apr 21;19(9):5034. doi: 10.3390/ijerph19095034. PMID: 35564430; PMCID: PMC9105245.
41. Ly, A.J.*, Reddy, Y.C., Jain, N.B., Du, L., **Atem, F.** and Khazzam, M., 2022. The role of familial predisposition in imaging-confirmed atraumatic rotator cuff tears. *Journal of Shoulder and Elbow Surgery*, 31(4), pp.819-823. [34699989]
42. Natale R, **Atem FD**, Lebron C, Mathew MS, Weerakoon S, Chang C, Shelnuitt KP, Spector R, Altare F, Messiah SE. Cluster Randomized Trial of the Impact of an Obesity Prevention Intervention on Child Care Center Nutrition and Physical Activity Environment Over Two Years [published online ahead of print, 2021 Oct 1]. *Public Health Nutr*. 2021;1-25. doi:10.1017/S1368980021004109. PMID: 34593076
43. Pfeifer CM, Xie L, **Atem FD**, Mathew MS, Schiess DM, Messiah SE. Body mass index as a predictor of sonographic visualization of the pediatric appendix. *Pediatr Radiol*. 2022 Jan;52(1):42-49. doi: 10.1007/s00247-021-05176-8. Epub 2021 Sep 15. PMID: 34524472.
44. Aardhra M. Venkatachalam*, Suzanne Stone, **Folefac D. Atem**, Alejandro Magadan, Sonja E. Stutzman, Anjali Perera, Kelly Kuchenbecker, DaiWai M. Olson. A Replication Study of the PREMISE Tool for Outcome Prediction After Stroke. *Acta Paulista de Enfermagem* 2021
45. Singh P, Stutzman SE, Venkatachalam A, Olson DM, Barnes A, **Atem FD**. Identification of abnormal pupil dilation velocity as a biomarker of cerebral injury in neurocritically ill patients. *Rev Bras Ter Intensiva*. 2021 Jul-Sep;33(3):412-421. doi: 10.5935/0103-507X.20210065. PMID: 35107552; PMCID: PMC8555398..
46. Nyancho D(*), **Atem FD**, Venkatachalam AM, Barnes A, Hill M, Traylor JI, Stutzman SE, Bedros N, Aiyagari V, Aoun SG. Anisocoria Correlates With Injury Severity and Outcomes After Blunt Traumatic Brain Injury. *J Neurosci Nurs*. 2021 Dec 1;53(6):251-255. doi: 10.1097/JNN.0000000000000613. PMID: 34620803.
47. Nussbaum BM*, Mathew MS, **Atem F**, Barlow SE, Gupta OT, Messiah SE. Distribution of comorbidities as primary diagnoses by obesity class among patients in a large US paediatric healthcare system. *Clin Obes*. 2021 Jul 12:e12478. doi: 10.1111/cob.12478. Epub ahead of print. PMID: 34250735.
48. Kindratt TB, Allicock M, **Atem F**, Dallo FJ, Balasubramanian BA. Email Patient-Provider Communication and Cancer Screenings Among US Adults: Cross-sectional Study. *JMIR Cancer*. 2021 Jul 30;7(3):e23790. doi: 10.2196/23790. PMID: 34328421.
49. Romito JW, **Atem FD**, Manjunath A, Yang A, Romito BT, Stutzman SE, McDonagh DL, Venkatachalam AM, Premachandra L, Aiyagari V. Comparison of Bispectral Index Monitor Data Between Standard Frontal-Temporal Position and Alternative Nasal Dorsum Position in the Intensive Care Unit: A Pilot Study. *J Neurosci Nurs*. 2022 Feb 1;54(1):30-34. doi: 10.1097/JNN.0000000000000635. PMID: 35007261.
50. Butt AA*, **Atem FD**, Stutzman SE, Aiyagari V, Venkatachalam AM, Olson DM, Yokobori S. (2021). Contribution of pupillary light reflex assessment to Glasgow coma scale for prognostication in patients with traumatic brain injury. *Journal of Neurocritical Care*. (Epub 17 May 2021): DOI: <https://doi.org/10.18700/jnc.210001>

51. Li A*, **Atem FD**, Venkatachalam AM, Barnes A, Stutzman SE, Olson DM. Admission Glasgow Coma Scale Score as a Predictor of Outcome in Patients Without Traumatic Brain Injury. *Am J Crit Care*. 2021 Sep 1;30(5):350-355. doi: 10.4037/ajcc2021163. PMID: 34467380.
52. Xie, L*, **Atem, F.**, Gelfand, A., Delcos, G., Messiah, S.E. (2021) Association between asthma and sugar-sweetened beverage consumption in the United States pediatric population. *J Asthma*. 2021 Feb 24:1-11. doi: 10.1080/02770903.2021.1895210. Epub ahead of print. [PMID: 33625285].
53. Xie LY*, **Atem FD**, Bar S, Mathew MS, Lebron C, Chang C, Natale R, Messiah SE.(2021) Relationship between parent perception of child anthropometric phenotype and body mass index change among children with developmental disabilities. *World J Pediatr*. 2021 Feb 19. doi: 10.1007/s12519-021-00420-5. Epub ahead of print. [PMID: 33604731.]
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Other Team Publications

109. Privitera CM, Neerukonda SV, Aiyagari V, Yokobori S, Puccio AM, Schneider NJ, Stutzman SE, Olson DM; **END PANIC Investigators**. A differential of the left eye and right eye neurological pupil index is associated with discharge modified Rankin scores in neurologically injured patients. *BMC Neurol*. 2022 Jul 22;22(1):273. doi: 10.1186/s12883-022-02801-3. PMID: 35869429; PMCID: PMC9306158. Copy Download .nbib

RESEARCH SUPPORT

- Grant Title: The Genetic Epidemiology of Rotator Cuff Tears (The CuffGEN Study)
 Funding Agency NIH (R01AR074989)
 Objective (Parent Grant): The proposed study will convene cuffGEN, the largest consortium to date, to study the genetics of imaging- confirmed rotator cuff tears and fatty infiltration, which lead to shoulder pain and disability Objective: Developing Robust Statistical Methodologies to Address Challenges in Physical Medicine and Rehabilitation Research.
Role: Co-I(Lead Statistician) on Parent Grant & Supplement
 PI/Mentor: Nitin Jain and Eric D. Peterson
 Start - End Date: 09/01/2020 - 08/31/2025
- Operative versus Non-Operative Treatment for Atraumatic Rotator Cuff Tears: A Multicenter Randomized Controlled Pragmatic Trial Patient Centered Outcomes Research Institute (PCORI) PCS-1605-35413.
 PI : Nitin Jain
Role: Co-I (Lead Statistician)
 This is a 18-center randomized controlled trial on arthroscopic rotator cuff repair versus physical therapy without surgery for atraumatic rotator cuff tears. The trial will answer the questions that patients and clinicians ask on the efficacy of surgery versus non-operative treatment for rotator cuff tears.
 Start - End Date: 07/01/2017 - 06/30/2025
- Grant Title : Partnering lifestyle intervention with bariatric surgery to maximize health outcomes in adolescents Funding Agency NIH (R21HD101854)
 Start - End Date: 03/07/2022 - 02/29/2024
 Faculty Role Messiah(PI)
 Lead Statistician
- Grant Title: Age of initiation of tobacco products among USA youth and young adults (1R01CA234205-01A1).
Funding Period: 05/01/2020-04/30/2022 -2/23.
Role: Diversity Supplement Investigator
 PI/Mentor: Adriana Perez, Melissa Harell and Sarah Messiah
- National Institute of Minority Health and Health Disparities (NIMHD)
 Socioecological Factors Associated with Ethnic Disparities in Bariatric Surgery Utilization
 The goal of this project is to determine the socioecological factors associated with bariatric surgery utilization and post-operative weight loss among an ethnically diverse patient population (1R01MD011686)
 Start - End Date: 7/23/18-7/22/23
 Faculty Role Co-I Messiah (PI)
 Lead Statistician
- UTSW STU 062915-005 Establishing Normative Data for Pupillary Assessment in Neurocritical Care (END-PANIC). This is an industry sponsored multicenter center non-randomized observational study designed to collect pupillometry assessment data and clinical variables hypothesized to be associated with changes in pupillary reflex.
 Start - End Date: 10/01/15-09/31/23
 Faculty Role Co-I Olson (PI)
 Lead Statistician
- Texas Health Community Impact (THCI) and Community Health Improvement (CHI) Program Evaluation
 Funding Agency Texas Health Resources
 Start - End Date: 01/01/2021 - 02/28/2023
 Faculty Role Co-I Allicock (PI) and Balasubramanian (PI)
 Lead Statistician
- Training Grant Program in Biostatistics at UTHSC - SPH
 Funding Agency NIH Project Id 0012018
 Start - End Date: 07/01/2016 - 06/30/2019
 DeSantis (PI)

Faculty	Role Co-I	Mentor
• United States Department of Agriculture AFRI NRI 2015-68001-23232 Healthy Caregivers-Healthy children Phase II: Integrating Culturally Sensitive Childhood Obesity Prevention Strategies into Policy Messiah (MPI) 4/1/15 -3/31/19		
Faculty	Role Co-I	Lead Statistician