

## REUBEN ADATORWOVOR

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radatorwovor@uky.edu

### EDUCATION

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#### University of North Carolina at Chapel Hill

PhD in Biostatistics

*May 2020*

Masters in Biostatistics

*December 2015*

#### Southern Illinois University, IL

PhD(ABD) in Mathematics

*May 2013*

#### Youngstown State University, OH

Masters in Mathematics (Actuarial Science)

*August 2008*

#### University of Cape Coast, GH

Bachelor of Education and Mathematics

*June 2005*

### PROFESSIONAL EXPERIENCE

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*July 2020 - now:* Assistant Professor of Biostatistics, College of Public Health, University of Kentucky

*August 2013 - Spring 2020:* Graduate research assistant, Department of Biostatistics, University of North Carolina at Chapel Hill

*Fall 2017 - Spring 2020:* Biostatistical analyst and grant reviewer at North Carolina Translational and Clinical Institute, (NC TraCS), Department of Biostatistics, University of North Carolina at Chapel Hill

*Spring 2014 - Fall 2019:* Statistical consultant, Biometric Consulting Laboratory, Department of Biostatistics, University of North Carolina at Chapel Hill

*August 2016 - Spring 2020:* Graduate teaching assistant, Department of Biostatistics, University of North Carolina at Chapel Hill

*August 2010 - May 2013:* Graduate teaching assistant, Department of Mathematics, Southern Illinois University, Carbondale

*Summer 2010:* Graduate research assistant, Department of Mathematics, Southern Illinois University, Carbondale

*January 2009 - August 2010:* Director of Student Success Center, Mathematics Instructor and ADA Coordinator, Southeastern Illinois College, Harrisburg

*Fall 2008:* Mathematics Instructor, Department of Maths and Statistics, Youngstown State University, Ohio

*Summer 2008:* Graduate research assistant, Department of Economics, Youngstown State University, Ohio

*January 2007 - August 2008:* Graduate teaching assistant, Department of Mathematics and Statistics, Youngstown State University, Ohio

*June 2005 - December 2006:* Senior research assistant, Department of Science and Mathematics Education, University of Cape Coast, Cape Coast

*Spring 2004 - Fall 2008:* High school mathematics teacher, Chaney Hill, Wesley Girls Hill, st. Augustine's College

## HONORS AND AWARDS

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Faculty Success Program	National Center for Faculty Development and Diversity	2022
Research Scholars Program	University of Kentucky	2022
Wethington Award - Investigator initiated extramural funding,	University of Kentucky	May 2022
Dissertation Completion Fellowship Award,	University of North Carolina	2019 - 2020
T32: Ruth L. Kirschstein National Research Service Award		2019 - 2020
Outstanding Incoming Student Alumni Scholarship Award		August 2013

## INVITED PAPERS AT CONFERENCES

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**Adatorwovor, R. and Pan, Y.** "A Flexible Copula Model for Bivariate Survival Data with Dependent Censoring". ISCB43, August 2022, Newcastle University, United Kingdom.

Matthew Robinson and **Adatorwovor, R.** Novel Diet Development Index (DDI) at 4th Edition - Global Webinar on Endocrinology and diabetes, November 9th, 2021.

**Adatorwovor, R.** (2020). "A Nonparametric Survival Estimation Method for Dependent Competing Risks: An Application in Relative Survival Analysis". 13th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2020), King's College London, UK.

Contributed paper on statistical methodology: **Adatorwovor, R.** International Society for Clinical Biostatistics (ISCB), Krakow, Poland, August, 2020.

Contributed paper on statistical methodology: Joint Statistical Meeting, Philadelphia, Pennsylvania, August, 2020

Contributed paper on statistical methodology: WNAR Biometrics Conference, Ankorage, Alaska, June, 2020

Contributed paper on statistical methodology: ENAR Biometrics Conference, Nashville, Tennessee, March, 2020

## COMPUTER SKILLS

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SAS, R, Mplus, Matlab, SPSS, RedCap, Gretl and Maxima, shell scripting, MS Windows

## TEACHING AND MENTORING

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University of Kentucky *2020:-Present*

BST 663: Analysis of Categorical Data, Fall 2021

Ian Boggero, PhD: K23 Mentored Patient-Oriented Research Career Development Award

Feitong Lei, BST PhD Graduate student: Graduate thesis committee, 2022.

Tyler Rubino, DMD: Genetic profile associated with response to treatment in localized aggressive periodontitis: Graduate thesis- 2021.

Samer Sabbagh, DMD: Graduate thesis committee, 2021-2022.

Aditi Desai, DMD: Graduate thesis committee, 2021-2023.

Julie Tokatlien DMD: Graduate thesis committee, 2022-2024.

## LEADERSHIP EXPERIENCE OR SERVICE

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*Spring 2022* : Chair, search committee to recruit assistant research professor for Center for Population Health (IPH)

*Spring 2022* : Interim Dean search committee member: College of Public Health, University of Kentucky

## PROFESSIONAL MEMBERSHIPS

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- Member, Markey Cancer Center (MCC)
- CCTS/CRSO, University of Kentucky
- American Statistical Association (ASA)
- International Biometric Society (IBS)
- International Society for Clinical Biostatisticians (ISCB)
- Computational and Methodological Statistics (CMStatistics)

## PUBLICATIONS

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### A . Collaborative Peer Reviewed, Journal

1. Laneshia Cornnor, and **Reuben Adatorwovor**. Looking for HIV Risk in All the Wrong Places: Predictors of HIV Risk Among Older Adults by U.S. Regions”, Scientific Reports, June 2022. Under Review.
2. Jennifer Castle, MD, **Reuben Adatorwovor, PhD**, Brittany Levy, MD, Emily Marcinkowski, MD, Allison Merritt, Jerod Stapleton, PhD, Erin Burke, MD, MS. Completion Lymph Node Dissection for Melanoma Before and After the Multicenter Selective Lymphadenectomy Trial-II in the United States” (ASO-2022-06-1733), Annals of Surgical Oncology, June 2022. Under Review.
3. Valle, Natercia; Sommer, Max; Guo, Yi; Ritzhaupt, Albert; Muller, Keith; Maldonado-Molina, Mildred; Salloum, Sandra; Shenkman, Elizabeth; Zamperlini, Michelle; Campbell, Cyndi; Umans, Jason; **Adatorwovor, Reuben**; Nikitin, Ruslan; Alegria, Margarita; Dimarzio, Karissa; Cicutto, Lisa; Shaw, Jessica; Wynia, Matthew; Coors, Marilyn; Glueck, Deborah. ”Workshop on Power and Sample Size Analysis for Health Science Researchers: Using a Collaborative Design Pedagogy to Promote Problem-Centered Instruction”. Journal of Pedagogy in Health Promotion. Under Review.
4. Mostafa Tabaa, DDS, MS; Avesta Shabila , BDS; Lorri Morford, PhD, Peter Harrison, Ikramuddin Aukhil, BDS, MS; Hong Huang, BS, MS, Ph.D; Arnold Stromberg, Ph.D; **Reuben Adatorwovor, PhD**, Jussara Goncalves, PhD; Luciana Shaddox, DDS, MS, Ph.D. ”Pattern of Grade C Molars and Incisors Periodontitis (CMIP) in Families”. Journal of Periodontology. Under Review.
5. Mohammad Ali Davarpanah; **Reuben Adatorwovor**; Yasaman Mansoori; Fatemeh Sadat Rajaie Ramsheh; Amir Parsa; Mehdi Hajiani; Hossein Faramarzi; Ramakanth Kavuluru, and Kamyar Asadipooya. ”Combination of Spironolactone and Sitagliptin Improves Clinical Outcomes of Outpatients with COVID-19: A Prospective Cohort Study. PLOS ONE. Under Review.

6. Abbasi, F., **Adatorwovor, R.**, Davarpanah, M. A., Mansoori, Y., Hajiani, M., Azodi, F., ... & Asadiipooya, K. (2022). A Randomized Trial of Sitagliptin and Spironolactone With Combination Therapy in Hospitalized Adults With COVID-19. *Journal of the Endocrine Society*, 6(4), bvac017.
7. **Adatorwovor R.**, Sharma N, McCoy D, Wasserstrom S, Robinson M, Nyenhuis J, Suryanarayanan S. The Efficacy of Plant-Based Dietary Program in Patients with Diabetes: A Pilot Study. *Diabetology*. 2021; 2(4):259-271. <https://doi.org/10.3390/diabetology2040024>.
8. Eshghi, M, **Adatorwovor, R.**, Preisser, J.S., Crais, E.R., Zajac, D.J. Lexicogrammatical Skills in Two-Year-Old Children with Repaired Cleft Palate, Children with Otitis Media, and Typically Developing Children. *Journal of Clinical Linguistics & Phonetics*, July 15, 2021.
9. Dunham, C, **Adatorwovor, R.**, Brame, J, White, B, A and Weintraub J. Teledentistry Knowledge, Attitudes and Curriculum Recommendations Among Dental and Dental Hygiene Students. *Journal of Dental Hygiene*. October 2021.
10. Davis, S., Ross, M. S. H., **Adatorwovor, R.**, and Wei, H. "Telehealth and Mobile Health Interventions in Adults with Inflammatory Bowel Disease: A Mixed Methods Systematic Review". *Research in Nursing & Health*. Vol 44, Feb 2021, 155-172.
11. Zajac, D. J., Vallino, L. D., Baylis, A. L., **Adatorwovor, R.**, Preisser, J. S., and Vivaldi, D. "Emergence of Prevocalic Stop Consonants in Children with Repaired Cleft Palate. *Journal of Speech, Language, and Hearing Research*, (2020): 1-10.
12. Weintraub, J. A., Edwards, L. R., Brame, J. L., Lampiris, L., White, B.A., **Adatorwovor, R.**, Matthews, N.S.. Teledentistry Knowledge and Attitudes Before and After a Statewide Summit: Perspectives on the role of dental hygienists. *Journal of Dental Hygiene*, (2020), 94-4, 13-21.
13. Eshghi, M, **Adatorwovor, R.**, Preisser, J.S., Crais, E.R., Zajac, D.J. Vocabulary Growth From 18 -24 Months of Age in Children with Repaired Cleft Palate. *JSLHR*. (2019); 1-18.
14. Berry, D. C., McMurray, R. G., Schwartz, T. A., **Adatorwovor R.** Benefits for both African American and White Low-Income 7-10-Year-Old. Children and their Parents Taught Together in a Community-Based Weight Management Program in the Rural Southeastern United States. *BMC Public Health*, (2018) 18:1107.
15. Berry, D. C., McMurray, R. G., Schwartz, T. A., Hall E. G., Neal, M. N., **Adatorwovor, R.**, A cluster randomized controlled trial for child and parent weight management: children and parents randomized to the intervention group have correlated changes in adiposity. *BMC Obesity*, 2017(4:39), Dec 04,2017.
16. Anderson J. J. B, **Adatorwovor R.**, et al. Lack of Influence of Calcium-to-Phosphorus Ratio on Hip and Lumbar Bone Mineral Density in Older Americans: NHANES 2005-2006 Cross-sectional Data. *J. Endocr. Soc.* (2017) 1 (5): 407-414.
17. Berry, D. C., Hall E. G., Neal, M. N., **Adatorwovor, R.**, et al. Final Results of the Optimizing Outcomes in Women with Gestational Diabetes Mellitus and their Infants Cluster Randomized Controlled Pilot Study: Lessons Learned. *Journal of NBNA*, December 2016, Vol. 27 Number 2.
18. Stuebe, A. M., Bonuck, K. **Adatorwovor, R.** et al. A cluster randomized trial of tailored breastfeeding support for women with gestational diabetes. *Breastfeeding Medicine*, 11.10 (2016): 504-513.
19. **Adatorwovor, R.**, Roggenkamp, K., and Anderson, J.J.B. Intakes of Calcium and Phosphorus and Calculated Calcium-to-Phosphorus Ratios of Older Adults: NHANES 20052006 Data. *Nutrients* 7:9633-9639, 2015.

## **B. Methodological Statistics Peer-reviewed, Journal**

1. **Reuben Adatorwovor** and Yinghao Pan. : A Flexible Copula Model for Bivariate Survival Data with Dependent Censoring. *Journal of Biostatistics*.
2. **Adatorwovor, Reuben**, Latouche, Aurelien and Fine, Jason P.. "A parametric approach to relaxing the independence assumption in relative survival analysis" *The International Journal of Biostatistics*, vol. , no. , 2022. <https://doi.org/10.1515/ijb-2021-0016>
3. **Adatorwovor, R.**, Little, P. and Fine, J., P. Dependence Competing Risk in Relative Survival Analysis with **dMrs** Package". *Journal of Statistical Software*. Under Review.
4. **Adatorwovor, R.** and Latouche, A., A Nonparametric Survival Estimation Method for Dependent Competing Risks: An Application in Net Survival Analysis. *J of Stats in Medicine*, Under review.
5. **Adatorwovor, R.**, and Fine, J., P. Covariate Effect for Dependence Competing Risk in Relative Survival Analysis. In preparation.

### C. Abstracts

1. **Reuben Adatorwovor** and Yinghao Pan. A Flexible Copula Model for Bivariate Survival Data with Dependent Censoring. *ISCB 43*, Newcastle, UK.
2. OM Andriankaja, MA. Levine, A. Kantarci, H. Hasturk, LM. Shaddox, **R. Adatarwovor**, and DT. Graves. "Elevated Inflammatory Markers and Periodontitis Risk (Occurrence?) in Hispanics with Diabetes". submitted for presentation consideration at the 2022 IADR/APR General Session & Exhibition.
3. Thakur, K.\*, **Adatorwovor, R.**, McFarlin, J., Stapleton, J. L., & Grigorian, A. (2021, October). Utilization of palliative care in management of inpatients with decompensated cirrhosis at an academic tertiary care center. Poster session at the 2021 Liver Meeting of the American Association for the Study of Liver Diseases, Anaheim, CA.
4. Jennifer Castle, MD, **Reuben Adatorwovor, PhD**, Emily Marcinkowski, MD, Allison Merritt, Jerod Stapleton, PhD, Erin Burke, MD, MS. "Completion Lymph Node Dissection for Melanoma Before and After the Multicenter Selective Lymphadenectomy Trial-II in the United States". December 2021, SSO Abstract, *Annals of Surgical Oncology*.
5. LaShaunta M. Glover, MS; Chantel Martin, PhD, MS PH; **Reuben Adatarwovor PhD**; Laura Loehr, MD, PhD, MS; Brooke Staley-Salila; Kari E. North, PhD; Mario Sims, PhD, MS. The Association Of Cumulative Socioeconomic Status And Incident Type 2 Diabetes Among African Americans: The Jackson Heart Study. *EPI 2022*. Number 478.
6. Tabaa M, Morford L, Stromberg A, **Adatarwovor, R** , Shaddox LM. Pattern of Grade C Molars and Incisors Periodontitis (C-MIP) in Families," submitted for presentation consideration at the 2022 AADOCR/CADR Annual Meeting & Exhibition.
7. **Adatarwovor, Reuben PhD**, and Latouche, Aurelien, PhD and Fine, Jason, PhD. Relaxing the Independence Assumption in Relative Survival Analysis: A Parametric Approach. *JSM 2020*.
8. Kshitij Thakur MD, Jessica McFarlin MD, Alla Grigorian MD PhD, **Adatarwovor, Reuben PhD**, Jerod Stapleton PhD. Utilization of Palliative Care in Management of Inpatients with Decompensated Cirrhosis at an Academic Tertiary Care center. UK college of medicine, March 2021.
9. Rubino, T., Dawson, D., Hartsfield, J., Morford, L., **Adatarwovor, R.**, Judge, S., Segerstrom, S., & Shaddox, L. "Genetic Profile Associated with Treatment Response Grade-C Molar-Incisor-Pattern Periodontitis". 2021 IADR/AADR/CADR General Session-Abstract, Boston, Mass, USA.

10. Dunham, C., **Adatorwovor, R.**, Brame, J, White, B., A. and Weintraub J. Dental and Dental Hygiene Students Knowledge and Attitudes Regarding Teledentistry. 2020 ADEA Annual Session & Exhibition, National Harbor, MD.
11. S.A. Dua, L.R. Edwards, **R. Adatorwovor**, N.S. Matthews. The Integration of Telehealth and Interprofessional Collaboration in a Virtual Clinic Model for the Management of Patients with Juvenile Idiopathic Arthritis. 2019 ADEA annual session, Chicago IL.
12. Jane A. Weintraub, Leiana Edwards, Jennifer Brame, Lewis Lampiris, B. Alex White, **Reuben Adatorwovor**, N. Shaun Matthews. Teledentistry Knowledge and Attitudes of Stakeholders Before and After a Statewide Teledentistry Summit. 2019 IADR/AADR/CADR General Session-Abstract, Vancouver, BC, Canada.
13. Marziye Eshghi, **Reuben Adatorwovor**, John S. Preisser, Elizabeth R. Crais, David J. Zajac. Vocabulary Growth from 18 to 24 Months of Age in Children with and without Repaired Cleft Palate. Abstract submitted in April 2018 to ACPA. Published in ASHA convention, Sep 2018.
14. Alison M. Stuebe, K Bonuck, **Reuben Adatorwovor** et. al. A tailored breastfeeding support intervention for women with gestational diabetes. Published abstract AJOG, vol 214, ps68, 2016

#### **D. Collaborative Papers**

1. LShaunt M. Glover, MSA; Chantel L. Martin, PhD, MSPHa; Reuben Adatorwovor, PhD, MSb; Laura Loehr, MD, PhD, MSc; Brooke S. Staley, MPH, CPHa; Kari E. North, PhDa; Mario Sims, PhD, MSd; Cumulative socioeconomic status and incident type 2 diabetes among African American Adults from the Jackson Heart Study. AJA. Under Review.