

## Curriculum Vitae

Name : **Reuben Adatorwovor**  
Phone: 213-267-2003  
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### EDUCATION & QUALIFICATION

#### *PhD in Biostatistics*

University of North Carolina at Chapel Hill

**Specialization:** Dependence Modelling

**Thesis:** “Relaxing the Independence Assumption in Relative Survival Analysis”.

**Advisor:** Dr. Jason P Fine

May 2020

#### **Masters in Biostatistics**

University of North Carolina at Chapel Hill

Dec 2015

#### *PhD(ABD) in Mathematics & Statistics*

Southern Illinois University Carbondale, IL

**Advisor :** Dr. Henri Schurtz

May 2013

#### *Master of Science (Actuarial)*

Youngstown State University, Youngstown, OH

**Major: Mathematics Minor: Statistics**

August 2008

#### *Bachelor of Education*

University of Cape Coast, Cape Coast, GH

**Major: Mathematics Minor: Statistics**

June 2005

### HONORS AND AWARDS

Dissertation Completion Fellowship Award, University of North Carolina

T32: Ruth L. Kirschstein National Research Service Award

Outstanding Incoming Student Alumni Scholarship Award

2019-present

2019-present

August 2013

### Invited Presentations at Conferences and Invited Departmental Seminars: Statistical Methodology

- Department of Biostatistics, University of Kentucky, Lexington, November, 2019.
- ENAR Biometrics Conference, Nashville, Tennessee, March, 2020.

### Graduate Research Assistant

2013 - present

Department of Biostatistics, University of North Carolina at Chapel Hill (UNC-CH), NC

•Biostatistics analyst at School of Nursing, UNC-CH

❖ Worked as Biostatistician on “Gestational Diabetes Mellitus Project(PI: Dr. Diane Berry)

❖ Postnatal Brain Development Project, Dept of Psychiatry, UNC-CH (PI: Drs. Jason Fine and John Gilmore)

•Biostatistics analyst at School of Dentistry, UNC-CH

❖ Worked as Data Manager and Biostatistician on “Development of Stop Consonants in Children of Repaired Cleft Palate/Lip” Study (PI: Dr. David Zajac)

❖ Used REDCAP to collect and organize data

❖ Used SAS for statistical analysis

❖ Prepared monthly recruitment and enrollment reports for NIH

❖ Produced analysis and tables for annual Clinical Studies Oversight Committee Reports

•Biostatistical analyst and grant reviewer at North Carolina Translational and Clinical Institute, (NC TraCS)

• Consultant: Biometric Consulting Laboratory (BCL), UNC-CH

• Graded, Statistical Inference (BIOS661/673), Categorical Data Analysis (BIOS665) and Advanced Categorical Data Analysis (BIOS765), UNC-CH

Department of Mathematics, Southern Illinois University ●Representation Theory: Finite Groups	<b>Fall 2010</b>
Youngstown State University ●Research for the Department of Economics by analyzing data using OX metrics	<b>Summer 2008</b>
<b>Graduate Teaching Assistant</b> Department of Biostatistics, UNC, CH ●Conducted recitation for BIOS665 ( <b>Every Fall</b> ) ●Conducted recitation for BIOS545 ●Conducted recitation for BIOS690 ●Conducted recitation for BIOS661/673	<b>2016 - 2019</b> <b>Spring 2017</b> <b>Spring 2018</b> <b>Spring 2019</b>
Department of Mathematics, Southern Illinois University, IL ( <b>Fall to spring</b> ) ●Taught undergraduate Mathematics	<b>2010 – 2013</b>
Youngstown State University, Youngstown, OH ( <b>Spring to spring</b> ) Department of Mathematics and Statistics ●Taught undergraduate Mathematics	<b>2007 – 2008</b>
<b>Mathematics Tutor (Spring to Fall)</b> Mathematics Assistant Center, Youngstown State University, OH. ●Tutored students in Algebra, Pre-calculus, Calculus for Business Mathematics and statistics	<b>2007 – 2008</b>
<b>Volunteer: Algebra Project, Young People’s Project, Eldorado, IL (Spring to Fall)</b> ●Taught high school students mathematical games ●Taught and supervised high school students on Young People’s Project	<b>2010</b>
<b>WORK EXPERIENCE</b>	
<b>Director of Student Success Center/ADA Coordinator (Spring to Fall)</b> Southeastern Illinois College, Harrisburg, IL ●Supervised staff and students, testing, tutoring and computer labs	<b>2009 –2010</b>
<b>Mathematics instructor (Spring to Fall)</b> Southeastern Illinois College, Harrisburg, IL ●Taught undergraduate mathematics including Differential equations. ●Tutored students.	<b>2009 –2010</b>
<b>Senior Research Assistant</b> University of Cape Coast, Ghana ●Conducted research for the Department of Science and Mathematics Education by collecting and analyzing data in mathematics education	<b>Fall 2006</b>
<b>Research / Teaching Assistant(Fall to Fall)</b> University of Cape Coast, Ghana ●Taught undergraduate Mathematics ●Assisted professors in grading tests and examinations papers.	<b>2005 –2006</b>
<b>High School Teacher</b> Chaney High school, OH Wesley Girls High School, Ghana. St. Augustine’s College, Ghana. ●Taught and tutored high school students in mathematics	<b>Fall 2008</b> <b>Fall 2006</b> <b>Spring 2004</b>

**COMPUTER SKILLS**

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SAS, R, Mplus, Matlab, SPSS, RedCap, Gretl and Maxima, shell scripting, Proficient in MS Windows, MS Word and MS Excel, Power Point.

## LEADERSHIP EXPERIENCE

**Treasurer**, National Union of Ghana Students,  
University of Cape Coast Secretariat (**Summer to summer**)

**2003 - 2004**

## PROFESSIONAL MEMBERSHIPS

1. American Statistical Association (ASA)
2. International Biometric Society (IBS)

## Publications:

### A . Collaborative Peer Reviewed, Journal

1. Eshghi, M, **Adatorwovor, R**, Preisser, J.S., Crais, E.R., Zajac, D.J. “Lexicogrammatological Skills in Two-Year-Old Children with Repaired Cleft Palate, Children with Otitis Media, and Typically Developing Children”. September 2019. Under Review
2. 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”. JADA April 2019. Accepted.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. **Adatorwovor, R.**, Roggenkamp, K., and Anderson, J.J.B. “Intakes of Calcium and Phosphorus and Calculated Calcium-to-Phosphorus Ratios of Older Adults: NHANES 2005–2006 Data”. Nutrients 7:9633-9639, 2015.

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

1. **Adatorwovor, R.** & J. Fine., and F-C. Lin. “Relaxing the Independence Assumption in Relative Survival Analysis: A Parametric Approach”. Under review.
2. **Adatorwovor, R.**, J. Fine. & A. Latouche. “Relaxing the Independence Assumption in Relative Survival Analysis: A Non-Parametric Approach”. Under review.
3. **Adatorwovor, R.**, J. Fine. & A. Latouche. “Relaxing the Independence Assumption in Relative Survival Analysis: A Regression Approach”. In preparation.
4. **Adatorwovor, R.**, J. Little P and Fine J P. “In estimation of Relative Survival: R dependence Package. Journal of Statistical Software. In preparation.

### C. Abstracts:

1. Caroline McLeod, RDH, **Reuben Adatorwovor**, PhD (ABD), Jennifer Brame, RDH, MS, Alex White, DDS, DrPH, Jane A Weintraub, DDS, MPH “Dental and Dental Hygiene Students’ Knowledge and Attitudes Regarding Teledentistry”. 2020 ADEA Annual Session & Exhibition, National Harbor, MD.
2. 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.

3. 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.
4. 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.
5. 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. Nigel, S, Dua S. Edwards, L and Adatorwovor R. “The Integration of Telehealth and Interprofessional Collaboration in a Virtual Clinic Model for the Management of Patients with Juvenile Idiopathic Arthritis”. In preparation.