



Curriculum Vitae

Quentin H. Riser, Ph.D. Candidate

Human Development and Family Studies
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CURRENT POSITION

2017 - **National Science Foundation Graduate Research Fellow**
Department of Human Development and Family Studies
Iowa State University, IA US

EDUCATION

2015 - PhD in Human Development & Family Studies
Thesis: Family income trajectories and early child development: a latent class growth analysis
Certificate: Developmental & Family Sciences Advanced Research Design and Methods
Iowa State University, Ames, IA US

2015 - 2018 MS in Human Development & Family Studies
Thesis: Native American children and school readiness: A nationally representative study of individual and cumulative risks
Iowa State University, Ames, IA US

2011 - 2015 BS in Accounting
William Jewell College, Liberty, MO US

2011 - 2015 BA in Economics
Thesis: Creating sustainable economic development in tribal communities
William Jewell College, Liberty, MO US

RESEARCH EXPERIENCE

2017 - **NSF Graduate Research Fellow**
Department of Human Development & Family Studies , College of Human Sciences, Iowa State University

- Fellowship Research – This research is funded by the National Science Foundation. On this project, I have consulted a panel of national experts who have advised me throughout my NSF research project. Dr. Greg Duncan provides expertise in economic analysis, poverty, and the use of large datasets; Dr. Paul Spicer has an extensive history of applied research within vulnerable communities; Dr. Jacob Hibbel brings expertise in quantitative research methods and educational inequalities for vulnerable children. Findings from this research aims to influence diverse scientific disciplines including child development, psychology, education, and public health.
- Advised by [Heather Rouse & Cassandra Dorius](#)

2015 - **Graduate Research Assistant**
Department of Human Development & Family Studies , College of Human Sciences, Iowa State University

- Early Risk and School Readiness Research Team (ERSR) – The research team is funded by federal, state, and private sources. Goals include increasing understanding of child, family, and community risks and protective factors; also, identifying Iowa-based community partners and stakeholders to create and utilize Integrated Data Systems to inform evidence-based policies and programs.

- Iowa Integrated Data System Team (Iowa IDS) – The research team is funded by federal, state, and private sources. Functions include engaging with state partners and stakeholders as well as ingesting, profiling, cleaning, fusing, wrangling, analyzing, and visualizing data. This work is conducted to produce findings that inform policy, programs, and practice.
- Advised by **Heather Rouse & Cassandra Dorius**

2016 - 2018

Undergraduate Research Advisor

Department of Human Development & Family Studies , College of Human Sciences, Iowa State University

- ERSR Systematic Review Project – In this position, I led a group of undergraduate students (one of which was a Rosenfeld Intern) in a systematic review of all articles published using a large, nationally representative secondary data set. The students gained an understanding of the structure of a complex data set in this research experience. Additionally, throughout the research experience, students gained competencies in critically evaluating research articles, coding data (i.e., research articles), using a coding system developed by myself and the ERSR research team, synthesizing data, and preparing an academic product.
- Iowa Head Start Honors Project – I co-advised an undergraduate student in an investigation of Iowa Head Start and Public-School Collaboration and Disconnection. During the project, the student increased skills in data profiling, basic data analysis, and data visualization. The student prepared an academic product that received a best poster award (received by approx. 3 percent of presenters).

PUBLICATIONS

Citations: 8, h-index: 2 | [Google Scholar link](#)

7. **Riser, Q.H.**, Rouse, H. L., Dorius, C. J., & Choi, J. Y. (2019). Native American children and school readiness: A nationally representative study of individual and cumulative risks. *Children and Youth Services Review*. <https://doi.org/10.1016/j.childyouth.2019.104496>.
6. **Riser, Q.H.**, Rouse, H. L., Choi, J.Y., & Ku, S. (2019). An investigation of American Indian early education and the protective influence of home literacy practices. *Child and Youth Care Forum*. doi: 10.1007/s10566-019-09529-1
5. Rouse, H. L., Choi, J.Y., **Riser, Q.H.**, & Beecher, C.(2019). Multiple risks and multiple systems: A nationally representative study of birth to five experiences and academic school readiness. *Children and Youth Services Review*. <https://doi.org/10.1016/j.childyouth.2019.104523>
4. Rouse, H., Goudie, A., Rettiganti, M., Leath, K., **Riser, Q.**, & Thompson, J. (2019). Prevalence, patterns, and predictors: A statewide longitudinal study of childhood obesity. *Journal of School Health*. 89(4). <https://doi.org/10.1111/josh.12741>
3. **Riser, Q.H.**, Rouse, H. L., Choi, J.Y., & Ku, S. (in preparation). Validity of social and emotional development measurement in national studies: an exploratory analysis of the ECLS-B. *Manuscript in preparation*.
2. Rouse, H.L., Ku, S., Choi, J., Bruning, J., & **Riser, Q.** Child care profiles birth to five: A latent growth analysis of children's multiple experiences prior to kindergarten. *Manuscript in preparation*.
1. Choi, J., Ku, S., Rouse, H.L., Bruning, J., & **Riser, Q.** Profiles of child care and academic and behavior outcomes: an early childhood study of birth-to-five care trajectories. *Manuscript in preparation*.

REPORTS AND BRIEFS

5. Rouse, H., Bruning, J., **Riser, Q.**, Gress, A.. (May 2020). *Head Start Statewide Needs Assessment 2018*. Prepared for Iowa Head Start State Collaboration Office. Des Moines, IA.
4. Rouse, H., Dorius, C., Bartel, M., **Riser, Q.**, Bruning, J., Gress, A.. (March 2020). *All County Report Needs Assessment Brief*. Early Childhood Iowa's Integrated Data System, Iowa State University. Prepared for Early Childhood Iowa. Des Moines, IA.

3. Rouse, H., Dorius, C., Lippard, C., Peterson, C., Choi, Y., Voas, R., **Riser, Q.H.**, Bartel, M., Ku, S., Bruning, J., Gress, A., Kelley, E., Facile, K., Flake, L. (September 2019). *Early Childhood Iowa Needs Assessment 2019*. Report prepared for Early Childhood Iowa. Des Moines, IA.
2. **Riser, Q.H.**, Rouse, H., Bruning, J., Gress, A. (August 2019). *Estimated Cost of the Child Care Shortage in Iowa*. Policy Brief prepared for Early Childhood Iowa. Des Moines, IA.
1. Bruning, J., Rouse, H. L., **Riser, Q.H.**, Gress, A.. (February 2019). *Investing in School Readiness Tax Credits Helps Iowa*. Policy brief prepared for the Iowa Women's Foundation and Early Childhood Iowa.

CONFERENCES AND ABSTRACTS

18. Rendon, T., Kelley, E., **Riser, Q.H.**, Rouse, H., & Choi, J. Y. (2020). *Better together: What we can learn from 10 years of Head Start collaboration data*. [Webinar.] NAEYC Professional Learning "Virtual" Institute. Washington, DC.
17. **Riser, Q.H.**, Rouse, H. L., Dorius, C. J., & Choi, J. Y. (June, 2020). *Family income trajectories and early childhood development: A latent class growth analysis*. Poster accepted at the Administration for Children and Families' National Research Conference on Early Childhood (NRCEC), Arlington, VA.
16. Bartel, M., Ku, S., Bruning, J., Gress, A., **Riser, Q.H.**, Rouse, H., & Dorius, C. (June, 2020). *Early childhood experiences and family characteristics: An investigation of home visiting in a multiple risk context*. Poster accepted at the Administration for Children and Families' National Research Conference on Early Childhood (NRCEC), Arlington, VA.
15. Ku, S., Rouse, H. L., Choi, J.Y., **Riser, Q.H.**, & Russell, D. (March, 2019). *Comprehensive profiles of childcare experiences from birth to kindergarten: A national study of school readiness outcomes*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Baltimore, MD.
14. Rouse, H. L., Choi, J.Y., Ku, S., **Riser, Q.H.**, & Russell, D. (March, 2019). *Early risks and comprehensive child care profiles*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Baltimore, MD.
13. **Riser, Q.H.**, Rouse, H. L., & Beecher, C. (June, 2018). *Validity of social and emotional development measurement in national studies: An exploratory analysis of the ECLS-B*. Poster presented at the Administration for Children and Families' National Research Conference on Early Childhood (NRCEC), Arlington, VA.
12. **Riser, Q.H.**, Rouse, H. L., & Choi, J.Y. (June, 2018). *Early childhood experiences of Native American children: An investigation of school readiness in a multiple risk context*. Poster presented at the Administration for Children and Families' National Research Conference on Early Childhood (NRCEC), Arlington, VA.
11. Rouse, H. L., Choi, J.Y., Ku, S., **Riser, Q.H.**, & Beecher, C. (June, 2018). *Early care profiles and school readiness: An exploratory investigation of risk and resilience in Native American children*. Poster presented at the Administration for Children and Families' National Research Conference on Early Childhood (NRCEC), Arlington, VA.
10. Ryu, D., **Riser, Q.H.**, Van Pay, C.K., Tatlow, E., Rouse, H.L., Choi, J.Y.,... Flint Baker, H. (April, 2018). *Child development and the utility of the Early Childhood Longitudinal Study – Birth Cohort (ECLS-B): A systematic review*. Poster presented at the Iowa State University Department of Human Development and Family Studies Session, Ames, IA.
9. **Riser, Q.H.**, Rouse, H.L., & Bulotsky-Shearer, R. J. (April, 2017). *The mediating role of approaches to learning on the relationship between preschool problem behaviors and early math success*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX.
8. Rouse, H. L., **Riser, Q.H.**, & Choi, J.Y. (April, 2017). *Early care and school readiness for American Indian and Alaska Native children*. A paper symposium presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX.
7. **Riser, Q.H.**, Rouse, H.L., & Choi, J.Y. (April, 2017). *Early risks and school readiness for American Indian and Alaska Native Children*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX.

6. Rouse, H. L., Choi, J.Y., **Riser, Q.H.**, & Beecher, C. (April, 2017). *The multiple risk context: Inequalities in academic and behavioral readiness in a nationally representative sample*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX.
5. Choi, J. Y., Rouse, H. L., Jeon, S., & **Riser, Q.H.** (July, 2016). *Development of approaches to learning and kindergarten math*. Poster presented at ACF's National Conference on Early Childhood, Washington, D.C.
4. Rouse, H., Rettiganti, M., Leath, K., Li, J., **Riser, Q.H.**, & Thompson, J. (July, 2016). *Prevalence, incidence, and patterns of childhood obesity: A longitudinal study*. Poster presented at ACF's National Research Conference on Early Childhood, Washington, D.C.
3. Rouse, H. L., Choi, J.Y., Beecher, C., & **Riser, Q.H.** (July, 2016). *Risk, resilience, and readiness: An investigation of approaches to learning using the ECLS-B*. Poster presented at ACF's National Research Conference on Early Childhood, Washington, D.C.
2. **Riser, Q.H.**, Rouse, H.L., & Bulotsky-Shearer, R. J. (June, 2016). *Children's early problem behaviors, positive approaches to learning, and mathematics achievement*. Paper presented at the Cross-University Collaborative Mentoring Conference, Newark, DE.
1. **Riser, Q.H.** & Cook, M. (April, 2015). *Creating sustainable economic development in tribal communities: Rosebud Reservation*. Paper presented at David Nelson Duke Colloquium, Kansas City, MO.

ACADEMIC HONORS & AWARDS

2017 - 2020	National Science Foundation Graduate Research Fellowship
2019	APPAM Equity and Inclusion Fellowship
2019	NSF/Sloan Foundation Big Data Summer School Scholarship
2017	The National Academies Ford Foundation Fellowship Honorable Mention
2017	Society for Research in Child Development Millennium Scholarship
2016 , 2017	Iowa State University Graduate and Professional Student Senate Professional Development Grant
2017	Print & Grace Powers Hudson Scholarship in Human Sciences
2016	Helen Easter Graduate Scholarship
2015	Charlotte and Stanley Graduate Fellowship
2015	John W. Boatwright Scholar in Economics

TEACHING

HDFS 395, Iowa State University
 Course Title: Child, Family and Public Policy
 2018-2019: Course teaching intern
 – Evaluated 4.52/5 by 60 students
 2016-2017: Course teaching assistant
 – Evaluated 4.7/5 by 90 students

PSYCH 112, Iowa State University
 Course Title: Psychology Learning Community Seminar
 2018: Invited Guest Lecturer

ELPS 620, Iowa State University
 Course Title: Social Justice Theory, Research, and Praxis
 2018: Invited Guest Lecturer

HDFS 608, Iowa State University
 Course Title: Grant Writing for Research
 2016 , 2017: Invited Guest Lecturer

METHODOLOGICAL TRAINING

- Introduction to Systematic Review and Meta-Analysis
- Measurement (e.g., Item Response Theory)
- Exploratory Factor Analysis (e.g., Principal Component Analysis)
- ANOVA And Regression Analysis (e.g., Logistic and Linear Regression Techniques)
- Mediation Analysis (e.g., Empirical Bootstrapping Methods)
- Handling Missing Data (e.g., NORM Algorithm)
- Confirmatory Factor Analysis
- Power Analysis
- Survival Analysis and Hazard Functions
- Path Analysis Latent Variable Structural Equation Modeling
- Multilevel Regression Modeling
- Growth Curve Modeling
- Cross-Lagged Panel Modeling

OTHER SKILLS

- Software Packages: Stata, MPLUS, SPSS, Rstudio, HLM, ArcGIS Pro & LISREL
- Teaching Software: Canvas, TopHat, Blackboard, & Thinkspace
- Other: LaTeX

SERVICE

2016 - 2018	Treasurer Iowa State University Human Development and Family Studies Graduate Student Network
2017	Invited Conference Proposal Reviewer National Council on Family Relations (NCFR) Division: Family Policy
2017	Search Committee Member Associate Dean for Research and Graduate Education Iowa State University College of Human Sciences

REFERENCES

Heather L. Rouse, Assistant Professor, Iowa State University
 Graduate advisor (Co-major professor)
 hlrouse@iastate.edu
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Cassandra J. Dorius, Associate Professor, Iowa State University
 Graduate advisor (Co-major professor)
 cdorius@iastate.edu
 (814)-404-1651

Michael Cook, Professor Emeritus, William Jewell College
 Undergraduate advisor
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