

# Jessica Bruning

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## EDUCATION

- PhD. Iowa State University, Human Development and Family Studies  
August 2023
- M.S. Iowa State University, Human Development and Family Studies  
August 2021 Thesis: Enrollment and Outcomes in Home Visiting: A Statewide Investigation of Child and Family Characteristics
- Graduate Certificate Applied Research Methods in the Human Sciences  
*In progress* Public Management and Policy
- Master's committee:* Heather Rouse (major professor and chair), Mack Shelley, Carla Peterson
- B.A., *cum laude* Iowa State University, Political Science  
May 2012
- B.S., *cum laude* Iowa State University, Apparel Merchandising, Design, and  
Production  
May 2012

## FELLOWSHIPS AND AWARDS

- 2020 Ruth and Vincent Mahoney Scholarship
- 2019 Pearson Memorial Scholarship
- May 2019 NSF/Sloan Foundation Scholarship to attend the Midwest Big Data Summer School
- 2018 Ruth and Vincent Mahoney Scholarship

## RESEARCH

- Research Assistant *Iowa's Integrated Data System for Decision Making (I2D2)*  
2018 – Present Work with a research team to develop system protocols, perform data inventories, and assist with data management. Write policy briefs to inform policy decisions in the state of Iowa and regular reports to state partners. Coordinated compilation of statewide needs assessments to inform upcoming needs assessment document, lead a team of two undergraduate students to research and create policy briefs.
- Research-Policy Intern *Iowa Department of Public Health*  
2018 – Present Working with program managers and home visiting supervisors to infuse practice with research on home visiting best practices. Conducted interviews to inform improvements in data collection and use, performed program evaluation and literature review.
- Undergraduate *Iowa Family Impact Seminars*

Research Assistant    Researched and coordinated seminars on family policy issues for State of Iowa  
2009 - 2012            legislators on various topics, including:  
                                 - Financial Literacy and Workforce Development for the Family - 2010  
                                 - Iowa, Fertile Grounds for Growing Business: Attracting Businesses to our State - 2011  
                                 - Food Policy and Bringing Families out of Poverty - 2012  
Networked within the state legislature, executive branch, and various institutions to expand the Family Impact Seminars, presented policy proposals to university administration and government agencies, grant coordination and donation administration, performed literature review for National Science Foundation grant on STEM education, managed staff of 3 undergraduate research assistants.

## TEACHING

Teaching Assistant    *Children, Families, and Public Policy*  
2019                      Assist in course design, classroom support, and grading for undergraduate course of 60 students.

Substitute Teacher    *Johnston and Urbandale Community School Districts*  
2017 – 2018            Led classes in K-12 classrooms in Johnston and Urbandale, Iowa. Developed excellent working relationships in schools and created unique and interesting lessons with little time for preparation.

English Teacher                *Junta de Andalucía, Albox, Spain*  
2016 – 2017            English culture and language teacher for over 200 students aged six to sixteen in a bilingual institution, delivered A1 level English class to adult learners using Cambridge curriculum, developed and presented engaging lessons to promote English language learning, engaged in intensive Spanish language learning and assimilation to a foreign community.

Pre-school Teacher    *University Community Childcare Center – Ames, IA*  
2014 – 2014            Worked in a 3-5 year old classroom with students from families speaking 9 different languages. Delivered evidence-based program requiring training and certification in Positive Behavior Supports and Interventions and Creative Curriculum.

## NON-PROFIT/GOVERNMENT EXPERIENCE

Crisis Counselor        *COVID Recovery Iowa, Des Moines, IA*  
2020 – present        Working as a counselor for the Iowa Crisis hotline with the FEMA Disaster grant in response to the COVID pandemic. Specializing in agricultural outreach for families and businesses.

AmeriCorps Member    *Iowa Legal Aid, Des Moines, IA*  
2017 – 2018            Assigned to the Volunteer Lawyers Project, Disaster Recovery Team, and YouthLink project. Recruit volunteer attorneys for limited scope representation of low income clients, conduct asset mapping research for communities of service, oversee data analysis of grant funded surveys of nearly 700 Iowa attorneys, review current grant proposals for \$284,529 in

project funding, provide intake services for low-income clients to assess legal needs and eligibility, handle sensitive and confidential information with discretion, provide disaster relief services to affected communities.

## SOFTWARE/PROGRAMS

STATA, MPlus, SPSS  
New Horizons Excel training program Level I, II, III  
Adobe Illustrator, Photoshop

## LANGUAGES

English – Native  
Spanish – Conversational, 5 years of education, 1 year living in Spain  
German – Beginner, 1.5 years living in Germany

## TRAINING AND LICENSES

August 2020	Question, Persuade, Refer suicide prevention training, <i>ISU Extension</i>
Spring 2019	Positive Behavior Interventions and Supports, Graduate level class, <i>Iowa State University</i>
April 2018	Project Aware Youth Mental Health First Aid, <i>Volunteer Iowa</i>
November 2017	Disaster Response, <i>Iowa Americorps</i>
October 2017	Iowa Substitute Teacher Authorization, <i>Heartland Area Education Agency</i>
May 2014	Positive Behavior Interventions and Supports training, <i>University Community Childcare Center</i>
May 2014	Creative Curriculum, <i>University Community Childcare Center</i>

## PROFESSIONAL MEMBERSHIPS

2020-Present      Association for Public Policy Analysis and Management

## JURIED SCHOLARLY PRESENTATIONS AT PROFESSIONAL MEETINGS

*Accepted* Rouse, H.L., Dorius, C., **Bruning, J.**, Bartel, M., & Horras, J. (June, 2020). Quality improvement in home visiting: A collaborative action research approach to improve data-driven decision-making. Poster presentation for the National Research Conference on Early Childhood. (cancelled due to COVID-19).

*Accepted* Riser, Q., **Bruning, J.**, Gress., & Rouse, H.L. (June, 2020). Estimated cost of the child care shortage in Iowa. Poster presentation for the National Research Conference on Early Childhood. (cancelled due to COVID-19).

*Accepted* **Bruning, J.**, Bartel, M., Rouse, H.L., & Dorius, C. (November, 2020). Perceptions and impact of reporting in home visiting programs. Poster presentation for the National Research Conference on Early Childhood.

*Accepted* Bartel, M., Ku, S., **Bruning, J.**, Gress, A., Riser, Q., Rouse, H.L., & Dorius, C. (June, 2020). Early Childhood Experiences and Family Characteristics: An Investigation of Home Visiting in a Multiple Risk Context. Poster presentation for the National Research Conference on Early Childhood.

## INVITED SCHOLARLY PRESENTATIONS

### Regional, National, or International

Rouse, H.L., Dorius, C., **Bruning, J.**, & Horras, J. (April, 2020). *Data in Action: A State-University Partnership in Evidence-based Home Visiting*. Invited webinar presentation for Data Sharing Community of Practice, Child Trends, Bethesda, MD.

### State and Local

Rouse, H.L., Dorius, C., Riser, Q., Bartel, M., **Bruning, J.**, & Gress, A. (February, 2020). *ECI local area needs assessment workshop: Part II*. Workshop for early childhood Community Coordinators meeting. Des Moines, IA.

Rouse, H.L., Dorius, C., Lippard, C., Peterson, C., Choi, J., Riser, Q., Bartel, M., **Bruning, J.**, Gress, A., Kelley, E., (October, 2019). *ECI Local Area Boards: Statewide Needs Assessment Workshop*. Workshop presented for Early Childhood Iowa area board directors.

Rouse, H.L., Dorius, C., Lippard, C., Peterson, C., Choi, J., Riser, Q., Bartel, M., Ku, S., **Bruning, J.**, Gress, A., Kelley, E., Facile, K., & Flake, L., (July, 2019). *ECI Learning Session II: Statewide Needs Assessment Review and Updates*. Workshop presented for Early Childhood Iowa stakeholders.

Rouse, H.L., Dorius, C., Lippard, C., Peterson, C., Choi, J., Riser, Q., Bartel, M., Ku, S., **Bruning, J.**, Gress, A., Kelley, E., Facile, K., & Flake, L., (July, 2019). *ECI Learning Session I: Introduction to Data Dives on the Statewide Needs Assessment*. Workshop presented for Early Childhood Iowa stakeholders.

**Bruning, J.**, Rouse, H.L. & Dorius, C. (May, 2019). *Iowa Home Visiting Data Reporting Projects*. Invited Presentation, Prevent Child Abuse Iowa Annual Conference. Des Moines, IA.

**Bruning, J.** (March 2019, February 2020). *Campaigns and Your Representation*. Invited guest lecturer for Children, Families, and Public Policy course at Iowa State University.

## PAPERS

### Manuscripts in preparation

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.

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.

### Reports and Briefs

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.

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.

**Bruning, J.**, (Dec. 2019). *A Study of Universal Home Visiting Programs for Implementation in the State of Iowa*. Prepared for Iowa Department of Public Health – MIECHV. Des Moines, IA.

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**Bruning, J.**, Rouse, H. (Dec. 2019). *Timing of Family Enrollment on Home Visiting Program Completion*. Prepared for Iowa Department of Public Health – MIECHV. Des Moines, IA.

**Bruning, J.**, (Dec. 2019). *Cribs for Kids Program Review*. Prepared for Iowa Department of Public Health – MIECHV. Des Moines, IA.

Rouse, H., **Bruning, J.**, Gress, A., Kelley, E. (March 2019). *Investing in School Readiness Tax Credits (SRTC) Helps Everyone*. Prepared for Iowa Women’s Foundation. Des Moines, IA.

Rouse, H., Dorius, C., Ku, S, Bartel, M., & **Bruning, J.** (September, 2019). *Technical Report: An Integrated Data System Analysis of Substance Use and Home Visiting*. Report prepared for the Iowa Department of Public Health.

Riser, Q., **Bruning, J.**, Gress, A., Rouse, H. (August 2019). *Estimated Cost of the Child Care Shortage in Iowa*. Prepared for Iowa Women’s Foundation. Des Moines, IA.

Rouse, H., Dorius, C., Lippard, C., Peterson, C., Choi, Y., Voas, R., Riser, Q., Bartel, M., Ku, S., **Bruning, J.**, Gress, A., Kelley, E., Facile, K., & Flake, L. (September 2019). *Early Childhood Iowa Needs Assessment 2019*. Prepared for Early Childhood Iowa. Des Moines, IA.

**Bruning, J.**, Dorius, C., Rouse, H. (November 2018). *Perceptions and Impact of Reporting in Home Visiting Programs: A Pilot Study*. Prepared for Iowa Department of Public Health – MIECHV. Des Moines, IA.

## PROFESSIONAL DEVELOPMENT

09/2019	Facilitator, Attendee, “2019 Workshop Resilient Iowa: Through a Trauma Informed Lens”, Iowa State University Practitioner and Rural Communities sessions
05/2019	Attendee, “Midwest Big Data Summer School”, Iowa State University Sessions on use of statistics in Python and R, Data Visualization in Tableau, and Big Data Applications

## SERVICE

### University Service

2019 Department Senator, *Graduate and Professional Student Senate* – Iowa State University

### Department Service

2019 - Present Peer Mentor – *Department of Human Development and Family Studies Graduate Program*, Iowa State University

### Community Service

2018 - Present Results Accountability workgroup member, *Early Childhood Iowa*

2018 – Present Family Support Leadership workgroup member, *Early Childhood Iowa*

- Special workgroup – Family Support Capacity and Need Evaluation

2018 – Present Clover Kids Volunteer, *Polk County 4-H*

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2017 – 2018

Juntos Club Co-Leader, *Polk County 4-H*

2018 – Present  
*Cycling Team*

Committee Member, Community Outreach Committee *Velorosa*