

Curriculum Vitae

Juan (Grace) Bao, Ph.D.
Assistant Research Scientist

Institute for Public Health Practice, Research and Policy
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EDUCATION

- 2014 – 2019 **Ph.D.**, Human Development and Family Studies (Advisor: Dr. Kimberly Greder)
Iowa State University, Ames, IA
Dissertation: Influences of stress, individual and family processes on rural low-income children's internalizing and externalizing behaviors
- 2010 - 2012 **M.S.**, Agricultural Economics and Management (Advisor: Dr. Qi Miao)
Nanjing Agricultural University, Nanjing, China
- 2006 - 2010 **B.A.** Rural Tourism Management
Nanjing Agricultural University, Nanjing, China

CERTIFICATION

- 2020 SAS Programmer Professional Certificate (Coursera Course Certificate)
- 2016 Graduate Certificate in Developmental and Family Sciences Advanced Research Design and Methods (Iowa State University)

PROFESSIONAL EXPERIENCES

- 07/2023 - Assistant Research Scientist
Institute for Public Health Practice, Research and Policy, College of Public Health, University of Iowa
- 09/2019 - Research Collaborator
Human Development and Family Studies, Iowa State University
- 02/2022 - 06/2023 Assistant Research Scientist
Public Policy Center, University of Iowa

11/2020 - 06/2021 Research Collaborator
Human Development and Family Science, Oklahoma State University

08/2014 - 08/2019 Graduate Research Assistant
Human Development and Family Studies, Iowa State University

12/2012 - 06/2013 Research Associate
College of Economics & Management, China Agricultural University

09/2010 – 12/2012 Graduate Research Assistant
College of Economics & Management, Nanjing Agricultural University

FELLOWSHIP & AWARDS

USA

2019 National Diversity in Extension Award
U.S. Department of Agriculture's National Institute of Food and Agriculture,
Cooperative Extension, and the Association of Public and Land-grant Universities.
This award recognizes the significant contributions and accomplishments of the
Juntos and *Abriendo Caminos* work teams in achieving and sustaining diversity
and pluralism.

2015-2018 Pearl Swanson Endowed Graduate Fellowship
2016 Heddleson Summer Internship Award
Cambio de Colores Conference Scholarship

China

2011 Second Prize Scholarship of Merit Students
Great Individual of the Graduate Students' Summer Social Practice;
Excellent Paper for the Social Practice
2010 Second Prize Scholarship of Merit Student
Nanjing Agricultural University Outstanding Undergraduate Student
2009 Second Prize Scholarship of Merit Student
2008 Excellent Student Cadre of Nanjing Agricultural University
2007 National Scholarship for Encouragement
First Prize Scholarship of Merit Student

RESEARCH

Research Interests

- Child and family health and well-being
- Health disparities among vulnerable families (e.g., low-income, rural, immigrant)
- Program and policy evaluation
- Risk and resilience

Research & Evaluation Methods Training

- Multivariate regression, DID, mediation, moderation, structural equation modeling, longitudinal modelling, qualitative methods, mixed methods, program evaluation.
- Software programs: SPSS, *Mplus*, Qualtrics, Microsoft office, Endnote

Data Use Agreement Training

- HCUP DUA (completed 11/10/2022)

English Publications (N=2 under review, N=10 published)

1. Kim, D., Greder, K., Hassane Dan Karami, N., & **Bao, J.** (2023, submitted). Depressive symptoms among rural Latina immigrant mothers in a Midwestern state before and during covid-19. *Journal of Latinx Psychology*.
2. Hassane Dan Karami, N., Greder, K., Kim, D., **Bao, J.** & Russell, D. (2023, under revision). Vaccine uptake and perspectives among Latina immigrant mothers in rural communities in a Midwestern state. *American Journal of Health Promotion*.
3. Cox, R., Lin H, Larzelere, R., & **Bao, J.** (2023). Fear of deportation and Hispanic early adolescent substance use: a moderated mediation model of stress and hope. *Prevention Science*. <https://doi.org/10.1007/s11121-023-01593-3>.
4. **Bao, J.**, Sun, L., Nguyen-Hoang, P., & Momany, E. T. (2023). Exploring the Effect of Anti-immigration Rhetoric on Emergency Department Use by Undocumented Adults. *Journal of immigrant and minority health*, 1-7. <https://doi.org/10.1007/s10903-023-01531-z>.
5. Greder, K., Kim, D., Williams, E., & **Bao, J.** (2023). Navigating health and well-being during COVID-19: Experiences of Latinx immigrant mothers in rural Midwestern communities. *Family Relations*. 1-20. <https://doi.org/10.1111/fare.12884>
6. **Bao, J.**, & Greder, K. (2022). Economic pressure and parent acculturative stress: Effects on rural midwestern low-income Latinx child behaviors. *Journal of Family and Economic Issues*. 1-12. <https://doi.org/10.1007/s10834-022-09841-4>
7. Cox, R., deSouza, D., **Bao J.**, Lin H, Sahbaz S., Greder K, Larzelere R., Washburn I., Leon Cartagena M., & Arredondo A. (2021). Shared language erosion: Rethinking immigrant family communication and impacts on youth development. *Children*. 8(4), 256. <https://doi.org/10.3390/children8040256>
8. Greder, K., Kim, D., Williams, E., & **Bao, J.** (2021). COVID-19 and rural Iowa Latinx immigrant families. Infographic. Iowa State University Extension and Outreach, Ames, IA. <https://dr.lib.iastate.edu/entities/publication/2b69c5fe-f362-4a88-b593-597ee908e186>

9. Greder, K., Cancel-Tirado, D. I., Routh, B., & **Bao, J.** (2020). Engaging with rural Latino families. *Forum on Family and Consumer Issues*. 23, 1. <https://www.theforumjournal.org/2021/03/01/engaging-with-rural-latinx-families/>
10. **Bao, J.**, Gudmunson, C., Greder, K., & Smith, S. (2019). Impact of family rituals and maternal depressive symptoms on child externalizing behaviors: An urban-rural comparison. *Child & Youth Care Forum*. 48, 935-953. <https://doi.org/10.1007/s10566-019-09512-w>
11. Hughes-Belding, K., Peterson, C. A., Clucas Walter, M., Rowe, N., Fan, L., Dooley, L., Steffensmeier, C., Wang, W., **Bao, J.** & Goodman, K. (2019). Quality home visits: Activities to promote meaningful interactions. *Infant Mental Health Journal*. 40(3), 331–342. <https://doi.org/10.1002/imhj.21779>
12. Greder, K., **Bao, J.**, & Ontai, L. (2016). Family influences on health and well-being of rural children in low-income households. *Rural Families Speak about Health Project Research Brief*. <https://doi.org/10.13140/rg.2.2.16529.22883>

Chinese Publications (N=4)

1. An, Y., Peng, K., & **Bao, J.** (2014). Measurement of carbon emissions from Chinese residents' food consumption and the associated factors. *Journal of Agrotechnical Economics*. (3).
2. Cui, F., & **Bao, J.** (2010). Tourism industrial correlation and industrial spread effect in Zhejiang province, *Tourism Tribune*. 25(3), 13-20.
3. **Bao, J.**, & Cui, F. (2010). Analysis on the preference scale and competition state of inbound tourist market in Nanjing, *Journal of Anhui Agriculture Science*. 38 (1): 426-429, 460.
4. Sheng, J., **Bao, J.**, Wang, Y., & Li, B. (2009). Impact of a new holiday policy on visitors' traveling behaviors: Nanjing as an example. *Journal of China Business*. (20), 142-144.

Presentations (N=21)

1. **Bao, J.**, Sun, L., & Momany, E. (2022, November). *The effect of anti-immigration rhetoric on health care utilization by undocumented Americans: Non-emergent care in the Emergency Department*. [Paper presented as part of the symposium, Social Status, Race and Community Health]. The 2022 National Council on Family Relations Conference, Minneapolis, MN.
2. Greder, K., Kim, D., Williams, E., **Bao, J.** (2021, November). *Exploring experiences of Latinx immigrant families in rural Iowa during the pandemic*. [Paper submitted as part of

the symposium, Families and COVID]. The 2021 National Council on Family Relations Annual Conference, Virtual Conference.

3. Cox, R., Lin, H., Washburn, I., **Bao, J.**, & deSouza, D. (2021, November). *Latino immigrant family shared language erosion and internalizing, externalizing problems: Parent-youth conflict as a mediator*. [Poster presentation]. The 2021 National Council on Family Relations Annual Conference, Virtual Conference.
4. Greder, K., **Bao, J.**, Cancel-Tirado, D. (2022, May). *Role of acculturative stress in relationship between maternal depression and rural Midwest Latino children's behaviors*. [Poster presentation]. Society for Research in Child Development Special Topic Meeting: *Construction of the 'Other': Development, Consequences, and Applied Implications of Prejudice and Discrimination*, December, Rio Grande, Puerto Rico. Originally scheduled for May 2020 and postponed to May 2022 due to COVID-19.
5. **Bao, J.**, Zhang, D. & Greder, K. (2020, November). *Characteristics of Body Mass Index (BMI) trajectories among low-income Latina immigrant mothers in rural midwestern communities*. [Poster presentation]. The 2020 National Council on Family Relations Annual Conference, Virtual Conference.
6. Sano, Y., Greder, K., Mammen, S., and **Bao, J.** (2020, November). *Health understanding and health outcomes among rural, low-income mothers*. [Poster presentation]. The 2020 National Council on Family Relations Annual Conference, Virtual Conference.
7. **Bao, J.** and Greder, K. (2019, November). *Individual and family processes on the links between multiple stress and child behaviors among rural Midwest Latinx families*. [Paper presentation]. The 2019 National Council on Family Relations Conference Annual Conference, Fort Worth, TX.
8. Cancel-Tirado, D., Greder, K., **Bao, J.** & Routh, B. (2019, November). *Engaging with rural Latino families*. [Paper presented as part of the symposium, Contextualizing and Applying 20 Years of Rural Families Speak Research to Practice]. The 2019 National Council on Family Relations Annual Conference, Fort Worth, TX.
9. Sanchez-Laguna, A., **Bao, J.** and Greder, K. (2019, April). *Abriendo Caminos: Healthy promotion of family mealtime routines and climate among Mexican immigrant families*. [Poster presentation]. The 2019 National Conference on Undergraduate Research, Kennesaw, GA.
10. **Bao, J.** and Greder, K (2017, November). *Relationship between family rituals and rural low-income mothers' mental health: A mixed-methods approach*. [Poster presentation]. The 2017 National Council on Family Relations Conference, Orlando, FL.

11. Pang Y., **Bao, J.**, Greder, K. & Smith, S. (2017, November). *Effects of family rituals, child behaviors, and food security on rural maternal depressive symptoms*. [Poster presentation]. The 2017 National Council on Family Relations Conference, Orlando, FL.
12. Bao, J., Gudmunson, C., Greder, K & Smith, S. (2016, November). *The impact of family rituals and maternal depressive symptomology on delinquency among children: A rural-urban comparison*. [Paper presented as part of the symposium, Family Processes and Adolescent Externalizing Behavior]. The 2016 National Council on Family Relations Conference, Minneapolis, MN.
13. Peterson, C., Hughes-Belding, K., Rowe, N., Clucas, M., Fan, L., **Bao, J.**, Dooley, L., Wang, W. (2016, November). *Triadic interactions in home visiting: Setting the stage for quality*. [Poster presentation]. The 2016 National Council on Family Relations Conference, Minneapolis, MN.
14. Fan, L., **Bao, J.**, Peterson, C., Wang, W., Hughes-Belding, K., & Clucas, M. (2016, October). *Relationship between quality of home visiting services and quality of parent-child interaction*. [Poster presentation]. The 2016 Division for Early Childhood International Conference on Young Children with Special Needs and their Families. Louisville, KY.
15. **Bao, J.**, & Greder, K. (2016, June). *Effects of food insecurity and family rituals on rural Latina immigrant mothers' mental health*. [Paper presentation]. Fifteenth Annual Cambio de Colores (Change of Colors) Conference, Columbia, MO.
16. Peterson, C., Rowe, N., Dooley, L., **Bao, J.** & Wang, W. (2016, April). *Home visits: Quality, dilemmas and assessments*. [Conference presentation for practitioner training]. Child Abuse Prevention and Family Support Conference. Des Moines, IA.
17. **Bao, J.**, Pang Y., Arellanes, J., Greder, K. & Smith, S. (2016, March). *Mediating effects of family rituals and child behaviors on food insecurity and rural mothers' mental health*. [Poster presentation]. Society for Research in Human Development 20th Biennial Conference. Denver, CO.
18. **Bao, J.**, & Greder, K. (2015, November). *Effects of food insecurity and expectation of family involvement on rural Latina immigrant mothers' mental health*. [Poster Presentation]. The 2015 National Council on Family Relations Conference. Vancouver, Canada.
19. **Bao, J.**, & Greder, K. (2015, November). *The mediating effect of family rituals on food insecurity and rural mothers' mental health*. [Poster presentation]. The 2015 HDFS fall poster symposium. Iowa State University, Ames, IA.
20. Zheng, Y., Hughes-Belding, K., Peterson, C., Rowe, N., Fan, L., Clucas, M., & **Bao, J.** (2015, October). *Prevalence of depressive symptoms among home visitors serving families with*

young children. [Poster presentation]. The 2015 Division for Early Childhood Conference. Atlanta, GA.

21. **Bao, J., & Greder, K.** (2015, April). *Effects of food insecurity and family routines on rural Latina immigrant mothers' mental health*. [Poster presentation]. The 2015 HDFS spring poster symposium. Iowa State University, Ames, IA.

Research & Professional Experience

USA

University of Iowa

02/2022 - Assistant Research Scientist
on *Iowa Health and Wellness Plan (IHAWP) Evaluation project*

Supervisor: Dr. Elizabeth Momany

Responsibilities: work closely with the data core and other health policy researchers on the IHAWP evaluation project, including but not limited to the new enrollee survey, ED datasets etc.; collaborated with other faculty members on Iowa Hispanic new destination project; other tasks required by this job.

Oklahoma State University

11/2020 - 06/2021 Research Collaborator
on *Children, Youth, and Families at Risk (CYFAR) project*

Supervisor: Dr. Ron Cox

Responsibilities: collaborated and assisted Dr. Cox's research team on writing manuscripts and grants on topics related to Latinx immigrant children and families' health; assisted on a NIH grant on Chinese American families' language gap and youth mental health issues; reviewed and provided feedback on grants by other team members.

Iowa State University

09/2019 - Research Collaborator
on *Iowa Latinx Family Health project & COVID-19 project*

Supervisor: Dr. Kimberly Greder

Responsibilities: data management, data analysis, develop conference proposals, write manuscripts, updated codebook, mentored undergraduate research assistants' work, and trained new RAs.

06/2016 - 08/2019 Graduate Research Assistant

on multiple projects: *Rural Families Speak Health Project*, *Iowa Latinx Family Health Project*, *Abriendo Caminos*, and *Causal Effects of Mental Health Conditions on Food Insecurity and the Mitigating Role of SNAP*

Supervisor: Dr. Kimberly Greder

Responsibilities:

- *Rural Families Speak about Health and Iowa Latinx Family Health Project* – developed and updated research contacts and interview lists; communicated with and provided technical assistance to field interviewers, students, and faculty researchers; created project codebook and prepared syntax; downloaded Qualtrics data and did data tracking; cleaned and analyzed data; prepared reports for project meetings; collaborated on proposals for professional conferences, research brief and papers; supervised work conducted by undergraduate research assistants.
- *Abriendo Caminos* – assisted with program implementation, evaluation, and data collection; developed focus group guide; assisted coding focus group data; mentored undergraduate research assistants for conference proposal writing; supervised work by undergraduate research assistants.
- *Causal Effects of Mental Health Conditions on Food Insecurity and the Mitigating Role of SNAP* – Identified how the variables of interest measured in the National Health Interview Surveys (2011-2014); in-depth literature search regarding these measures; summarized the searching findings.

Summer, 2016

Graduate Research Assistant

on *Feedback to Improve Training and Services (FITS)* project

Supervisors: Drs. Carla Peterson & Gayle Luze

Responsibilities: conducted systematic literature review, filtered potentially relevant articles, screened for retrieval, and prepared summary report.

10/2014 - 05/2016

Graduate Research Assistant

on *Iowa Maternal, Infant, Early Childhood Home Visiting Evaluation (MIECHV) Project*

Supervisors: Drs. Carla Peterson & Kere Hughes-Belding

Responsibilities: conducted assessment visits with families who enrolled in MIECHV program across Iowa (interviewed parents, assessed children, recorded parent-child interactions); developed and maintained communications with participating families; coded home visiting videos and assessment videos; entered, checked and analyzed assessment data; edited and assisted with training materials for home visitors (HV) and HV supervisors; joined conference and professional presentations and other dissemination activities (e.g., paper).

China

China Agricultural University

12/2012 - 06/2013 Research Associate
on *Food Safety Control Behaviors of the Main Participators in the Food Supply Chain and the Role of Government Supervision Project*

Supervisor: Dr. Yufa An

Responsibilities: assisted with a book writing based upon advisor's former Ph.D. students' dissertations, conducted qualitative interviews with local farmers, and did data management.

Nanjing Agricultural University

01/2011 - 11/2012 Graduate Research Assistant
on *Constructing an Agricultural Industry System Characterized by Low Carbon Emission and the Agricultural Products Consumption Models Project & Twelfth Five-year Financial Plan of Construction Development for Rural Villages and Small Towns in Jiangsu Province project*

Supervisor: Dr. Qi Miao

Responsibilities: project management (e.g., schedule meeting, communicate with research partners and stakeholders), data collection, analysis, report, and manuscript writing etc.

Grant

10/2022 Write Winning Grant Proposals Training
University of Iowa Office of the Vice President for Research

Bao, J., Alcivar-Zuniga, M., Greder, K., & Gonzalez, R. (2018). *Increasing awareness and understanding of the acculturation process among Iowa Latinx immigrant families*". Helen LeBaron Hilton Fund, College of Human Sciences, Iowa State University, (Co-PI). \$2,500. Competitive Grant Program.

TEACHING/OUTREACH EXPERIENCE

Greder, K., Kim, D., Williams, E., & **Bao, J.** (2020, December 3). *COVID-19 and rural Iowa Latinx immigrant families*. [Presentation to Human Sciences Extension and Outreach staff]. Webinar. Iowa State University, Ames, IA.

Alcivar-Zuniga, M. & **Bao, J.** (2019, March 6). *Acculturation*. [Pilot workshop for Latinx youth at Perry Middle School], Iowa State University, IA.

Greder, K. and Bao, J. (2016). *Guide for conducting focus group interviews to inform the Abriendo Caminos program*. [Unpublished guide]. Iowa State University Extension and Outreach.

06/2019 Facilitator Training
Strengthening Families Program: For Parents and Youth 10-14

08/2016 - 12/2016 Teaching internship
Program Evaluation and Proposal Writing (HD FS 449, 3-credit undergraduate course)

05/2016 - 08/2016 Heddleson Student Internship
ISU Human Sciences Extension and Outreach in Dallas County

PROFESSIONAL MEMBERSHIP

2015 - 2023 National Council on Family Relations (NCFR)
2016 Society for Research in Human Development (SRHD)

AD HOC REVIEWER

2022 - American Journal of Public Health
2018 - Journal of Child and Family Studies
2020 & 2023 National Council on Family Relations annual conference proposal reviewer