

Hua Zan  
**College of Tropical Agriculture and Human Resources**  
Center on the Family  
FTE Distribution: 15% I; 60% R; 25% E

**Education**

<u>Degree</u>	<u>University</u>	<u>Major</u>
PhD	The Ohio State University	Family Resource Management
MS	University of Utah	Family Ecology
Bachelor	Southwestern University of Finance and Economics	Labor and Social Security

**Professional Appointments**

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
Associate Researcher	University of Hawai'i at Mānoa	2019-present
Assistant Researcher	University of Hawai'i at Mānoa	2014-2019
Assistant Teaching Professor	University of Missouri-Columbia	2013-2014
Postdoctoral Researcher	The Ohio State University	2012-2013

**Courses Taught**

**Course Number and Title (credits)**

HDFS 360	Family Resource Management (3)
HDFS 454	Family Public Policy (3)
FINPLN 3287	Consumer and Household Economics (3)
FINPLN 4383/7383	Investment Management (3)
FINPLN 8001	Portfolio Management (3)
CFFS 260D	Family Financial Management I (5)
CS FRM 443	Solutions to Consumer Problems (5)

**Publications**

**Refereed Journal Publications**

- Zan, H., Fan, J. X., & Lozada, B. (2023). The economic disparity between Hispanic and non-Hispanic White households: An analysis of middle-class achievement. *American Journal of Economics and Sociology*, 00, 1–15. DOI: 10.1111/ajes.12521
- Zan, H., & Shin, S.H. (2022). The positive impact of informal spousal caregiving on the physical activity of older adults. *Frontiers in Public Health*, 10. DOI: 10.3389/fpubh.2022.977846
- Fan, J.X., & Zan, H. (2019). The decline of the American middle class: Evidence from the Consumer Expenditure Surveys 1988-2015. *Journal of Family and Economic Issues*, 1-13, DOI: 10.1007/s10834-019-09651-1
- Lillard, D., Molloy, E., & Zan, H. (2018). Television and magazine alcohol advertising: Exposure, targeting, and trends. *Journal of Studies on Alcohol and Drugs*, 79(6):881-892. DOI: 10.15288/jsad.2018.79.881
- Guo, J., & Zan, H. (2018). Policy development and advocacy: The analysis of a paid family leave bill in the Hawaii State Legislature. *Social Work & Society*, 16(1). <https://www.socwork.net/sws/article/view/541/1069>
- Zan, H., & Scharff, R.L. (2018). The effects of children's health on mothers' employment. *Journal of Family and Economic Issues*, 39(2), 297-309. DOI: 10.1007/s10834-017-9552-5
- Fan, J.X., & Zan, H. (2017). The "model minority" myth: Asian American middle class before, during, and after the Great Recession. *Singapore Economic Review*, 1-17. DOI: 10.1142/S0217590817430044
- Zan, H., Lambea, M., McDowell, J., & Scharff, R. L. (2017). An economic evaluation of food safety education interventions: Estimates and critical data gaps. *Journal of Food Protection*, 80(8), 1355-1363. DOI: 10.4315/0362-028X.JFP-16-510
- Zan, H., & Fan, J.X. (2017). Reporting more but moving less? The complex relationship between physical activity and acculturation among U.S. adults. *American Journal of Health Promotion*. First published online: June 29, 2017. DOI: 10.1177/0890117117716415

- Zan, H., & Scharff, R.L. (2017). Regional differences in the value of statistical life. *Journal of Consumer Policy*, 40(2), 157-176. DOI:10.1007/s10603-017-9347-y
- Zan, H., & Scharff, R.L. (2015). The heterogeneity in financial and time burden of caregiving to children with chronic conditions. *Maternal and Child Health Journal*, 19(3): 615-625. DOI: 10.1007/s10995-014-1547-3.
- Lee, S., Sohn, S., Rhee, E., Lee, Y.G., & Zan, H. (2014). Consumption patterns and economic status of older households in the United States. *Monthly Labor Review*, <http://www.bls.gov/opub/mlr/2014/article/consumption-patterns-and-economic-status-of-older-households.htm>
- Zan, H., & Fan, J. X. (2010). Cohort effects of household expenditures on food away from home. *Journal of Consumer Affairs*, 44 (Spring): 213-233. DOI: 10.1111/j.1745-6606.2010.01163.x

### **Extension Publications**

- Gerrits-Goh, R., Luo, Y., Zan, H., Pruitt, A., Agner, J., Wu, Y., Mossakowski, K., Willingham, M., Iwata, C., Pearson, H., Meyer, M., Hajkova, K., Farago, H., Marker, N., Sridharan, S., & Barile, J. (2023). Hawai'i QUEST Integration Section 1115 Waiver Demonstration Evaluation Report. Prepared for the State of Hawai'i Department of Human Services Med-QUEST Division and the U.S. Centers for Medicare & Medicaid Services.
- Zan, H., DeBaryshe, B., Kim, J., Azuma, J., Stern, I., & Gauci, K. (2022). Hawai'i Childhood Lead Poisoning Prevention Program risk system evaluation. Honolulu, HI: University of Hawai'i, Center on the Family.
- Zan, H., Azuma, J., Kim, J., DeBaryshe, B. (2022). Hawai'i Childhood Lead Poisoning Prevention Program risk system evaluation: Technical report. Honolulu, HI: University of Hawai'i, Center on the Family.
- Zan, H., Stern, I.R., Kohl, N., & Gauci, K. (2020). COVID-19 and job loss: Who are the workers most affected in Hawai'i? Honolulu, HI: University of Hawai'i, Center on the Family
- Stern, I.R., DeBaryshe, B., & Zan, H. (2020). Hawaii households and the COVID crisis: How are we doing two months in? Factsheet. Honolulu: University of Hawai'i Center on the Family.
- Zan, H. & Yahirun, J. (2018). The economic well-being of Hawai'i's older adults and their families. Honolulu, HI: University of Hawai'i, Center on the Family
- Stern, I.R., Zan, H., & Kohl, N. (2018) Family leave insurance: Supporting working families. Honolulu: University of Hawaii Center on the Family.
- Kohl, N., Stern, I.R., & Zan, H. (2018). What Hawai'i's families and businesses would benefit from a new paid family leave law. *Scholar Strategy Network*. Cambridge, MA.
- Yahirun, J., & Zan, H. (2017). Grandparent caregivers in Hawai'i. Honolulu, HI: University of Hawai'i, Center on the Family.
- Stern, I.R., Zan, H., & Kohl, N. (2016). Paid family leave: Strengthening Hawai'i's children and families. Honolulu: University of Hawai'i, Center on the Family.
- Yahirun, J., & Zan, H. (2016). Hawai'i's older adults: A demographic profile. Honolulu, HI: University of Hawai'i, Center on the Family.

### **Leadership Roles**

- 2022 Department Personnel Committee co-chair, Department of Family and Consumer Sciences, University of Hawai'i at Mānoa.
- 2017 National Endowment of Financial Education Paper Award Committee chair for the annual meeting of American Council of Consumer Interests conference

### **Grant Support**

Title of Grant: *Family First Prevention Services Act (FFPSA) Evaluation supplemental funding*

Source of Grant: The State of Hawaii Department of Human Services.

Total Dollar Value: \$57,297.22

Dates of Grant: April 1-June 30, 2025

Role: Co-Investigator

Title of Grant: *Hawai'i KIDS COUNT Data Center Management*  
Source of Grant: Hawaii Children's Action Network  
Total Dollar Value: \$65,801  
Dates of Grant: April 1, 2024-March 31, 2026  
Role: PI

Title of Grant: *Med-QUEST Enterprise Data Governance and Integrated Data and Analytics Platform*  
Source of Grant: Centers for Medicare & Medicaid Services and the State of Hawaii Department of Human Services.  
Total Dollar Value: \$8,425,972.98  
Dates of Grant: March 17, 2023-September 30, 2024.  
Role: Co-Investigator

Title of Grant: *Evaluate Hawaii's Quest Integration Section 1115 Demonstration*  
Source of Grant: Centers for Medicare & Medicaid Services via Hawaii Department for Human Services  
Total Dollar Value: \$2,452,500  
Dates of Grant: July 1, 2019-March 16, 2023  
Role: Co-Investigator

Title of Grant: *Mapping CACFP participation*  
Source of Grant: Collaborative Support Services, Inc.  
Total Dollar Value: \$17,200  
Dates of Grant: October 1, 2022-June 30, 2023  
Role: Co-Investigator

Title of Grant: *Hawai'i KIDS COUNT Data Center Management.*  
Source of Grant: Hawaii Children's Action Network.  
Total Dollar Value: \$65,895  
Dates of Grant: February 1, 2021-January 31, 2023.  
Role: Co-Investigator

Title of Grant: *The Evaluation of Hawaii Child Lead Poisoning Prevention Program Risk System*  
Source of Grant: Centers for Disease Control and Prevention via Hawaii Department of Health  
Total Dollar Value: \$49,645  
Dates of Grant: March 10, 2021-September 29, 2021.  
Role: PI

Title of Grant: *Hawai'i KIDS COUNT*  
Source of Grant: Annie E. Casey Foundation  
Total Dollar Value: \$100,000  
Dates of Grant: January 2020 – January 2021  
Role: Co-Investigator

Title of Grant: *Hawai'i KIDS COUNT*  
Source of Grant: Annie E. Casey Foundation  
Total Dollar Value: \$100,000  
Dates of Grant: January – December 2019  
Role: Co-Investigator

Title of Grant: *Responding to the business planning needs of Maui's agriculture-related business owners and operators*  
Source of Grant: The UH CTAHR Cooperative Extension Maui County FY2019 Grant  
Total Dollar Value: \$3,598  
Dates of Grant: January – December 2019

Role: Co-Investigator

Title of Grant: Hawai'i KIDS COUNT  
Source of Grant: Annie E. Casey Foundation  
Total Dollar Value: \$100,000  
Dates of Grant: January – December 2018  
Role: Co-Investigator

Title of Grant: Hawai'i KIDS COUNT  
Source of Grant: Annie E. Casey Foundation  
Total Dollar Value: \$100,000  
Dates of Grant: January – December 2017  
Role: Co-Investigator

Title of Grant: KIDS COUNT Supplemental Policy Grant: Advancing paid family leave  
Source of Grant: Annie E. Casey Foundation  
Total Dollar Value: \$30,000  
Dates of Grant: July 2016 – June 2017  
Role: PI

Title of Grant: Hawai'i KIDS COUNT  
Source of Grant: Annie E. Casey Foundation  
Total Dollar Value: \$100,000  
Dates of Grant: January – December 2016  
Role: Co-Investigator

### **Presentations at Conferences**

\* indicates the presenter

Title: Alternative Approaches to Measuring the Middle Class: Insights From the Panel Study of Income Dynamics

Authors (put an asterisk on the presenter): Fan, J.X.\*, & Zan, H.

Name of Conference: Population Association of America

Location: Washington D.C.

Date of Presentation: April 12, 2025

Title: Linking debt trajectories to children's mental well-being

Authors (put an asterisk on the presenter): Zan, H. & Duong, K.\*

Name of Conference: 2025 CTAHR Conference

Location: Honolulu, HI

Date of Presentation: April 11, 2025

Title: Caring for one, two, or three generations? Prevalence of various caregiving roles and caregiver characteristics.

Authors (put an asterisk on the presenter): Zan, H.\*, Yancura, L., & Barnett, M.

Name of Conference: Gerontological Society of America

Location: Seattle, WA

Date of Presentation: November 16, 2024

Title: The impact of healthcare coordination services on health outcomes and healthcare utilization for Hawai'i's Medicaid population with complex conditions

Authors (put an asterisk on the presenter): Luo, Y.\*, Agner, J., Gerrits-Goh, R., Zan, H., Meyer, M., Preiser, B., Starr, R., & Holmes, J.

Name of Conference: AcademyHealth annual research meeting

Location: Baltimore, MD

Date of Presentation: July 2, 2024

Title: Exploring Family debt patterns and their impact on children's mental health.  
Authors (put an asterisk on the presenter): Zan, H.\*  
Name of Conference: International Society for Quality-of-Life Studies  
Location: Kota Kinabalu, Malaysia  
Date of Presentation: June 27, 2024

Title: Moving beyond income: A more accurate way to measure the middle class based on expenditure  
Authors (put an asterisk on the presenter): Fan, J.X.\*, & Zan, H.  
Name of Conference: International Society for Quality-of-Life Studies  
Location: Kota Kinabalu, Malaysia  
Date of Presentation: June 27, 2024

Title: Exploring the impact of Home- and Community-Based Services settings on functional status in older adults: A comparative analysis in Hawaii  
Authors (put an asterisk on the presenter): Zan, H.\*, Agner, J., Wu, Y., Luo, Y., Barile, J., Starr, R., & Holmes, J.  
Name of Conference: Population Association of America  
Location: Columbus, OH  
Date of Presentation: April 20, 2024

Title: Examining the link between food acquisition methods and dietary quality among Asian Americans  
Authors (put an asterisk on the presenter): Fan, J.X.\*, & Zan, H.  
Name of Conference: Population Association of America  
Location: Columbus, OH  
Date of Presentation: April 19, 2024

Title: A review of level of care assessments nationwide to ensure access to Long-Term Services and Supports for older adults with serious mental illness  
Authors (put an asterisk on the presenter): Seol, J.\*, Agner, J., Pereira, H., & Zan, H.  
Name of Conference: American Occupational Therapy Association  
Location: Orlando, FL  
Date of Presentation: March 23, 2024

Title: Examining the link between food acquisition methods and dietary quality among Asian Americans  
Authors (put an asterisk on the presenter): Fan, J.X.\*, & Zan, H.  
Name of Conference: Asian Consumer and Family Economics Association  
Location: Kitakyushu, Japan  
Date of Presentation: July 10, 2023

Title: Proposing the expenditure middle-class measure: Defining middle-class by spending, not income.  
Authors (put an asterisk on the presenter): Fan, J.X., & Zan, H.\*  
Name of Conference: Population Association of America  
Location: New Orleans, LA  
Date of Presentation: April 13, 2023

Title: Long-term services and supports in Hawaii to address the needs of individuals with complex, chronic disabilities  
Authors (put an asterisk on the presenter): Zan, H.\*, Agner, J., Wu, Y., Preiser, B., Meyer, M., Barile, J.  
Name of Conference: American Evaluation Association  
Location: New Orleans, LA  
Date of Presentation: October 14, 2022

Title: Addressing the needs of older adults with serious mental illness and chronic disabilities through formative evaluation: A review of long-term services and supports level of care assessments nationwide  
Authors (put an asterisk on the presenter): Agner, J.\*, Zan, H., Meyer, M., Preiser, B., Willingham, M., Pearson,

H., Barile, J.

Name of Conference: American Evaluation Association

Location: New Orleans, LA

Date of Presentation: October 14, 2022

Title: The Life Satisfaction of Older Adults during the COVID-19 Pandemic in the United States

Authors (put an asterisk on the presenter): Zan, H.\*

Name of Conference: American Council of Consumer Interest

Location: Virtual conference

Date of Presentation: May 19, 2021

Title: Spousal health shocks and physical activity among older adults

Authors (put an asterisk on the presenter): Zan, H.\*, & Shin, S.

Name of Conference: American Council of Consumer Interest

Location: Clearwater Beach, FL

Date of Presentation: May 19, 2018

Title: Spousal health shocks and physical activity among older adults

Authors (put an asterisk on the presenter): Zan, H.\*, & Shin, S.

Name of Conference: Population Association of America

Location: Denver, CO

Date of Presentation: April 27, 2018

Title: Consumer Expenditure Surveys data use experience: Invited presentation at the symposium on using Consumer Expenditure Surveys data use in the classroom.

Authors (put an asterisk on the presenter): Zan, H.\*

Name of Conference: American Council of Consumer Interest

Location: Clearwater Beach, FL

Date of Presentation: May 19, 2018

Title: A refined measure of emergency saving adequacy in the SCF: Using a food demand function to estimate the total expenditures from the CE

Authors (put an asterisk on the presenter): Kim, KT\*, & Zan, H.

Name of Conference: American Council of Consumer Interest

Location: Clearwater Beach, FL

Date of Presentation: May 18, 2018

Title: The Great Recession and heterogeneity within the Hispanic middle class

Authors (put an asterisk on the presenter): Zan, H.\* & Fan, J.X.

Name of Conference: American Council of Consumer Interest

Location: Albuquerque, NM.

Date of Presentation: April 23, 2017

Title: Hawai'i's older adults and their families: A demographic profile, eldercare, and paid family leave policy

Authors (put an asterisk on the presenter): Zan, H.\* & Yahirun, J.

Name of Conference: 19<sup>th</sup> Biennial Conference of Hawaii Pacific Gerontological Society

Location: Albuquerque, NM.

Date of Presentation: September 2016

Title: The health-wealth nexus of older adults in China

Authors (put an asterisk on the presenter): Zan, H. & Yao, R.\*

Name of Conference: Asian Consumer and Family Economics Association

Location: Hongkong

Date of Presentation: July 8, 2016

Title: The “model minority” myth: Asian American middle class before, during, and after the Great Recession

Authors (put an asterisk on the presenter): Fan, J.X.\* & Zan, H.

Name of Conference: Asian Consumer and Family Economics Association

Location: Hongkong

Date of Presentation: July 9, 2016

Title: The effects of television and magazine alcohol advertising on liquor consumption

Authors (put an asterisk on the presenter): Lillard, D., Molloy, E., & Zan, H.\*

Name of Conference: 39<sup>th</sup> Annual Research Society on Alcoholism Scientific Meeting

Location: New Orleans, LA

Date of Presentation: June 26, 2016

Title: The effects of television and magazine alcohol advertising on liquor consumption

Authors (put an asterisk on the presenter): Lillard, D., Molloy, E., & Zan, H.\*

Name of Conference: American Society of Health Economist

Location: Philadelphia, PA

Date of Presentation: June 13, 2016

Title: The effects of television and magazine alcohol advertising on liquor consumption

Authors (put an asterisk on the presenter): Lillard, D., Molloy, E., & Zan, H.\*

Name of Conference: Population Association of America

Location: Washington D.C.

Date of Presentation: April 2, 2016

Title: What happened to the American middle class? Evidence from the Consumer Expenditure Surveys 1988-2014

Authors (put an asterisk on the presenter): Fan, J.X. & Zan, H.\*

Name of Conference: American Council of Consumer Interest

Location: Arlington, VA.

Date of Presentation: June 9, 2016

Title: Out-of-pocket health care costs of the community dwelling elders with cognitive impairment

Authors (put an asterisk on the presenter): Zan, H.\*

Name of Conference: American Council of Consumer Interest

Location: Clearwater Beach, FL

Date of Presentation: May 2015

Title: Acculturation and physical activity of U.S. men: Evidence from the National Health and Nutrition Examination Survey 2003-2006

Authors (put an asterisk on the presenter): Zan, H.\*, & Fan, J. X.

Name of Conference: Population Association of America

Location: San Diego, CA

Date of Presentation: May 1, 2015

Title: Does exposure to alcohol advertising cause people to drink and drive?

Authors (put an asterisk on the presenter): Lillard, D.\*, Molloy, E., & Zan, H.

Name of Conference: American Society of Health Economists

Location: Los Angeles, CA

Date of Presentation: 2014

Title: Television and magazine alcohol advertising: Exposure, targeting, and trends

Authors (put an asterisk on the presenter): Lillard, D., Molloy, E., & Zan, H.\*

Name of Conference: Population Association of America

Location: Boston, MA

Date of Presentation: May 2, 2014

Title: Labor market decisions of mothers with chronically ill children  
Authors (put an asterisk on the presenter): Zan, H.\*, & Scharff, R.L.  
Name of Conference: American Council of Consumer Interest  
Location: Milwaukee, WI.  
Date of Presentation: 2014

Title: Labor market decisions of mothers with chronically ill children  
Authors (put an asterisk on the presenter): Zan, H.\*  
Name of Conference: Invited seminar at Center on the Family, University of Hawai'i at Mānoa.  
Location: Honolulu, HI.  
Date of Presentation: November 2013

Title: The impact of financial and time burden of caregiving to children with chronic conditions on mothers' employment  
Authors (put an asterisk on the presenter): Zan, H.\*  
Name of Conference: American Council of Consumer Interest  
Location: Portland, OR  
Date of Presentation: 2013

Title: Financing healthcare for children with chronic conditions  
Authors (put an asterisk on the presenter): Zan, H.\*  
Name of Conference: American Council of Consumer Interest  
Location: Memphis, TN  
Date of Presentation: 2012

Title: The impact of poor health on household delinquency  
Authors (put an asterisk on the presenter): Zan, H.\*, & Hanna, S.D.  
Name of Conference: American Council of Consumer Interest  
Location: Washington D.C.  
Date of Presentation: 2011

Title: Regional variation in the value of statistical life: Implications for cost of foodborne illness estimates.  
Authors (put an asterisk on the presenter): Scharff, R.L.\*, & Zan, H.  
Name of Conference: Society for Risk Analysis  
Location: Salt Lake City, UT  
Date of Presentation: 2010

Title: Regional variation in the value of statistical life  
Authors (put an asterisk on the presenter): Zan, H.\*, & Scharff, R.L.  
Name of Conference: Southern Economic Association  
Location: Atlanta, GA  
Date of Presentation: November 2010

Title: Patterns of household overspending  
Authors (put an asterisk on the presenter): Hanna, S. D.\*, & Zan, H.  
Name of Conference: Invited presentation at Consumer Expenditure Survey Data Users' Forum at the Bureau of Labor Statistics  
Location: Washington D.C.  
Date of Presentation: 2010

Title: Racial/ethnic discrepancies in household overspending  
Authors (put an asterisk on the presenter): Zan, H., & Hanna, S. D.\*  
Name of Conference: Academy of Financial Services  
Location: Boston, MA



Date of Presentation: 2008

Title: Cohort effects of household expenditures on food away from home

Authors (put an asterisk on the presenter): Zan, H. \*, & Fan, X. J.

Name of Conference: American Council of Consumer Interest and American Agricultural Economics Association Conference

Location: Orlando, FL

Date of Presentation: 2008

Title: Discuss: Corporate governance as an embracement of business ethics

Authors (put an asterisk on the presenter): Zan, H., & Deng, X.\*

Name of Conference: Invited presentation at Corporate Governance for the New Generation Youth Summit

Location: Hong Kong

Date of Presentation: 2003