

Rachel L. Peterson, PhD, MPH, MA

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Skaggs 154A, University of Montana

CURRENT POSITION

2022-present Assistant Professor

School of Public and Community Health Sciences

University of Montana, Missoula, Montana

EDUCATION & TRAINING

2019-present Postdoctoral Scholar, Social Epidemiology

California Dementia Epidemiology Training Program

University of California Davis

Department of Public Health Sciences | Department of Neurology

Mentors: Rachel Whitmer, PhD; Maria Glymour, ScD; Charles DeCarli, MD

2016-2019 PhD, Health Behavior Health Promotion

University of Arizona College of Public Health

Dissertation title: The Role of Cumulative Advantage/Disadvantage in Disparities in Alzheimer's Disease Risk

Committee Chair: Scott Carvajal, PhD, MPH

2014-2016 MPH, Generalist

Des Moines University College of Health Sciences

Capstone title: Use of Body-Worn Sensors to Measure Frailty and Fall Risk among Older Adults

Preceptor: Jane Mohler, PhD, NP

2006-2009 MA, International Studies

University of Wyoming

Thesis title: Why Swaziland? How Colonial History, Nationalism and Cultural Identity Contribute to a National HIV Epidemic

Committee Chair: Sarah Strauss, PhD, MPH

2000-2004 BS, Journalism

University of Wyoming, Laramie, Wyoming

Minor: Spanish

Study Abroad: Spain; Costa Rica

AREAS OF INTEREST

healthy aging/lifecourse health promotion; health in all policies; health disparities; dementia/cognitive aging; structural determinants of health; rural health; population-based intervention research methods; community health workers

RESEARCH EXPERIENCE

2021-present Postdoctoral Scholar

Department of Public Health Sciences, University of California, Davis
Funding: NIH/NIA K99/R00 “Pathway to Independence Award”
PI: Rachel Peterson, PhD, MPH, MA
Mentors: Rachel Whitmer; Maria Glymour
Research: Lifecourse social, physical and policy contexts and racial/ethnic disparities in late-life cognition and neuroimaging markers of brain health.

2020-2021 Postdoctoral Fellow

Department of Neurology, University of California, Davis
Funding: NIH/NIA T32 – Neuroscience of Cognitive Aging
PI: Charles DeCarli, MD | Mentors: Rachel Whitmer, PhD; Oanh Meyer, PhD
Research: Modifiable risk and protective factors across the lifecourse for healthy cognitive aging in racially/ethnically diverse populations

2019-2020 Postdoctoral Fellow

Population Brain Health Lab, Department of Public Health Sciences
University of California, Davis
Mentors: Rachel Whitmer, PhD, Maria Glymour ScD
Research: Modifiable risk and protective factors across the lifecourse for healthy cognitive aging in racially/ethnically diverse populations

2016-2019 Predoctoral Scholar

Centers for Disease Control and Prevention Healthy Brain Research Network
University of Arizona
Mentor: Mindy Fain, MD
Research: 1) Contribution of modifiable risk factors to racial/ethnic and socioeconomic disparities in cognitive aging/dementia. 2) Efficacy of training Community Health Workers on increasing dementia awareness and service referrals in Tribal and Latinx communities

TEACHING EXPERIENCE

2013 Graduate Teaching Assistant, “Introduction to Sociology”

Department of Sociology, University of Colorado at Boulder
Audience: Undergraduate students

2012 Graduate Teaching Assistant, “Sex, Gender and Society”

Department of Sociology, University of Colorado at Boulder
Audience: Undergraduate students

Guest Lectures

2022 Social and Structural Determinants of Health Workgroup Meeting

Diversity and Disparities PIA, International Society to Advance Alzheimer's Research and Treatment

Lecture: "Studying Segregation in Cognitive Aging and Dementia Research"

Audience: International workgroup of faculty, postdocs and dementia researchers

2021 Health Behaviors

Department of Human Ecology, University of California Davis

Lecture: "Successful Aging: Lifecourse Behavioral and Contextual Factors"

Audience: Undergraduate students

Student Evaluation: 4.32/5

2021 Alzheimer's Disease Research Center

Department of Neurology, University of California Davis

Lecture: "Community Contextual Exposures and Late-life Brain Health"

Audience: Faculty, medical students, graduate students

2019 Principals of Epidemiology

University of California Davis Medical Center

Lecture 1: "Use of Cross-Sectional Data in Public Health Research"

Lecture 2: "Understanding Bias in Public Health Research"

Lecture 3: "Social Epidemiology in Practice"

Audience: Graduate students

2019 Grand Rounds, Division of Geriatric Medicine

College of Medicine, University of Arizona

Lecture: "Racial Disparities in Cognitive Aging and Alzheimer's Disease Risk"

Audience: Medical students; health professionals

2019 Introduction to Public Health

College of Public Health, University of Arizona

Lecture: "Healthy Aging as a Public Health Priority"

Audience: Undergraduates

2018 Adult Development and Aging

Department of Family Studies and Human Development, University of Arizona

Lecture: "Improving Interactions with Older Adults: An Aging Empathic Exercise"

Audience: Undergraduates

2018 Perspectives in Aging

College of Pharmacy, University of Arizona

Lecture: "Improving Interactions with Older Adults: An Aging Empathic Exercise"

Audience: Pharmacy Doctorate students

2017 Grand Rounds, Division of Geriatric Medicine

University of Arizona College of Medicine

Lecture: "Promoting Health in Older Adults: The Social Determinants in Late Life"

Audience: Medical students; health professionals

2017 Perspectives in Aging

College of Pharmacy, University of Arizona

Lecture: "Improving Interactions with Older Adults: An Aging Empathic Exercise"

Audience: Pharmacy Doctorate students

2017 Issues in Aging

Department of Family Studies and Human Development, University of Arizona

Lecture: "Improving Interactions with Older Adults: An Aging Empathic Exercise"

Audience: Undergraduates

2016 Perspectives in Aging

College of Pharmacy, University of Arizona

Lecture: "Improving Interactions with Older Adults: An Aging Empathic Exercise"

Audience: Pharmacy Doctorate students

2016 Issues in Aging

Department of Family Studies and Human Development, University of Arizona

Lecture: "Improving Interactions with Older Adults: An Aging Empathic Exercise"

Audience: Undergraduates

Mentorship

2020-present

Yi Lor, UC Davis PhD Student in Epidemiology

I am mentoring Mr. Lor on analysis and writing his first scientific manuscript on the relationship between adverse childhood experiences and late-life cognition in a cohort of racially/ethnically diverse older adults.

2020-2021

Erika Meza, UC San Francisco PhD Student in Epidemiology

I mentored Ms. Meza on analysis and writing a scientific manuscript on perceived discrimination and late-life cognition in a cohort of racially/ethnically diverse older adults.

2020-2021

Duyen Tran, UC Davis Undergraduate in Psychology

I mentored Ms. Tran to evaluate studies for inclusion/exclusion and serve as a co-author on a scoping review of social environments and late-life cognition. Her work culminated in a poster presentation at the UC Davis Undergraduate Research Day in 2020.

2019-present

Pallavi Malladi, UC Davis Undergraduate in Neurosciences

I have mentored Ms. Malladi to conduct literature reviews, evaluate studies for inclusion/exclusion for a scoping review, and serve as a co-author on manuscripts for three research projects investigating lifecourse exposures and late-life cognitive outcomes. Her work has culminated in

poster presentations at the UC Davis Undergraduate Research Day in 2019 and 2020.

2019-2020 **Emely Perez Pinera, UC Davis Undergraduate in Biological Sciences**
I mentored Ms. Perez Pinera to conduct literature reviews on early vascular risk factors and late-life cognitive outcomes. Her work culminated in a poster presentation at the UC Davis Undergraduate Research Day in 2019.

2018-2019 **Kayla Luque & Jessica Powell**
University of Arizona Undergraduates in Nursing (BSN program)
I mentored Ms. Luque and Ms. Powell in research participant recruitment, semi-structured interviewing and qualitative data analysis for a pilot study using fitness watches to predict increased care needs of older adults. Study findings were published in *The Arizona Nurse*.

REFEREED SCIENTIFIC PUBLICATIONS

*Denotes student coauthor

2022

1. Meza, E.*, **Peterson, R.**, Gilsanz, P., George, K. M., Miles, S. J., Eng, C. W., Mungas, D.M., Mayeda, E.R., Glymour, M.M. & Whitmer, R. A. (2022). Perceived Discrimination, Nativity, and Cognitive Performance in a Multi-ethnic Study of Older Adults: Findings from the Kaiser Healthy Aging and Diverse Life Experiences (KHANDLE) Study. *The Journals of Gerontology: Series A*. doi: 10.1093/gerona/qlab170
2. Besser, L.M., Meyer, O.L., Jones, M.R., Tran, D.*, Booker, M., Mitsova, D., **Peterson, R.L.**, Galvin, J.E., Bateman, J.R., Hayden, K., Hughes, T. (2022). Neighborhood segregation and cognitive change: Multi-Ethnic Study of Atherosclerosis. *Alzheimer's & Dementia*. In press.
3. Calmasini C, Swinnerton KN, Zimmerman SC, **Peterson R.L.**, George KM, Gilsanz P, Hayes-Larson E, Mayeda ER, Mungas DM, Whitmer RA, Glymour MM. (2022). Association of social integration with cognitive status in a multi-ethnic cohort: results from the KHANDLE study. *Journal of Geriatric Psychiatry*. doi: 10.1177/089198872111070259

2021

4. **Peterson, R. L.**, George, KM, Gilsanz, P., Barnes, L., Mayeda, E.R., Glymour, M.M., Mungas, D.M., Whitmer, R.A. (2021). Timing of school desegregation experience and late-life cognition in the Study of Healthy Aging in African Americans (STAR) cohort. *JAMA Network Open*. doi: 10.1001/jamanetworkopen.2021.29052

5. George, K.M., **Peterson, R.L.**, Gilsanz, P., Barnes, L.L., Mayeda, E.R., Glymour, M.M., Mungas, D.M., DeCarli, C.S., Whitmer, R.A. (2021). Stroke Belt Birth State and Late-life Cognition in The Study of Healthy Aging in African Americans (STAR). *Annals of Epidemiology*. doi: 10.1016/j.annepidem.2021.09.001
6. **Peterson, R. L.**, George, K. M., Tran, D.*, Malladi, P.*, Gilsanz, P., Kind, A. J., Whitmer, R.A., Besser, L.M., & Meyer, O. L. (2021). Operationalizing Social Environments in Cognitive Aging and Dementia Research: A Scoping Review. *International journal of environmental research and public health*, 18(13), 7166. doi: 10.3390/ijerph18137166
7. **Peterson, R. L.**, George, K. M., Gilsanz, P., Mayeda, E. R., Glymour, M. M., Meyer, O. L., Mungas, D.M., DeCarli, C., & Whitmer, R. A. (2021). Lifecourse socioeconomic changes and late-life cognition in a cohort of US-born and US immigrants: findings from the KHANDLE study. *BMC public health*, 21(1), 1-11. doi: 10.1186/s12889-021-10976-6
8. **Peterson, R. L.**, George, K. M., Gilsanz, P., Ackley, S., Mayeda, E. R., Glymour, M. M., Mungas, D.M., DeCarli, C., & Whitmer, R. A. (2021). Racial/Ethnic Disparities in Young Adulthood and Midlife Cardiovascular Risk Factors and Late-life Cognitive Domains: The Kaiser Healthy Aging and Diverse Life Experiences (KHANDLE) Study. *Alzheimer Disease & Associated Disorders*, 35(2), 99-105. doi: 10.1097/WAD.0000000000000436
9. George, K. M., Gilsanz, P., **Peterson, R. L.**, Glymour, M. M., Mayeda, E. R., Mungas, D. M., Miles, S.Q., & Whitmer, R. A. (2021). Physical Performance and Cognition in a Diverse Cohort: Kaiser Healthy Aging and Diverse Life Experiences (KHANDLE) Study. *Alzheimer Disease & Associated Disorders*, 35(1), 23-29. doi: 10.1097/WAD.0000000000000428
10. George, K. M., Gilsanz, P., **Peterson, R. L.**, Barnes, L. L., DeCarli, C. S., Mayeda, E. R., Mungas, D.M., & Whitmer, R. A. (2021). Impact of Cardiovascular Risk Factors in Adolescence, Young Adulthood, and Midlife on Late-life Cognition: Study of Healthy Aging in African Americans (STAR). *The Journals of Gerontology: Series A*. doi: 10.1093/gerona/qlab143
11. **Peterson, R. L.**, Butler, E. A., Ehiri, J. E., Fain, M. J., & Carvajal, S. C. (2021). Mechanisms of Racial Disparities in Cognitive Aging: An Examination of Material and Psychosocial Well-Being. *The Journals of Gerontology: Series B*, 76(3), 574-582. doi: 10.1093/geronb/gbaa003

2020

12. **Peterson, R. L.**, Gilsanz, P., George, K. M., Ackley, S., Glymour, M. M., Mungas, D. M., & Whitmer, R. A. (2020). Differences in association of leisure time activities and cognition in a racially/ethnically diverse cohort of older adults: Findings from the

KHANDLE study. *Alzheimer's & Dementia: Translational Research & Clinical Interventions*, 6(1), e12047. doi: 10.1002/trc2.12047

13. George, K. M., **Peterson, R. L.**, Gilsanz, P., Mungas, D. M., Glymour, M. M., Mayeda, E. R., & Whitmer, R. A. (2020). Racial/ethnic differences in sleep quality among older adults: Kaiser Healthy Aging and Diverse Life Experiences (KHANDLE) Study. *Ethnicity & disease*, 30(3), 469. doi:10.18865/ed.30.3.469
14. **Peterson, R. L.**, Fain, M. J., A. Butler, E., Ehiri, J. E., & Carvajal, S. C. (2020). The role of social and behavioral risk factors in explaining racial disparities in age-related cognitive impairment: A structured narrative review. *Aging, Neuropsychology, and Cognition*, 27(2), 173-196. doi: 10.1080/13825585.2019.1598539

2019

15. Crist, J. D., Liu, J., Shea, K. D., **Peterson, R. L.**, Martin-Plank, L., Lacasse, C. L., May, J.T., Wyles, C.L., Williams, D.K., Slobodnik, M., Heasley, B.J., & Phillips, L. R. (2019, October). "Tipping point" concept analysis in the family caregiving context. In *Nursing forum* (Vol. 54, No. 4, pp. 582-592). doi: 10.1111/nuf.12373
16. **Peterson, R. L.**, Carvajal, S. C., McGuire, L. C., Fain, M. J., & Bell, M. L. (2019). State inequality, socioeconomic position and subjective cognitive decline in the United States. *SSM-population health*, 7, 100357. doi: 10.1016/j.ssmph.2019.100357

2017

17. Taylor-Piliae, R. E., **Peterson, R.**, & Mohler, M. J. (2017). Clinical and community strategies to prevent falls and fall-related injuries among community-dwelling older adults. *Nursing Clinics*, 52(3), 489-497. doi: 10.1016/j.cnur.2017.04.004

2015

18. Nowotny, K. M., **Peterson, R. L.**, & Boardman, J. D. (2015). Gendered Contexts: Variation in Suicidal Ideation by Female and Male Youth Across U.S. States. *Journal of Health and Social Behavior*, 56(1), 114–130. doi: 10.1177/0022146514568350
19. Daw, J., Boardman, J. D., **Peterson, R.**, Smolen, A., Haberstick, B. C., Ehringer, M. A., Ennet S.T., Foshee, V. A. (2014). The Interactive Effect of Neighborhood Peer Cigarette Use and 5HTTLPR Genotype on Individual Cigarette Use. *Addictive Behaviors*, 39(12), 1804–1810. doi: 10.1016/j.addbeh.2014.07.014
20. **Peterson, R. L.** (2011). Historical and Cultural Influences on HIV Prevention in Swaziland. *World Health & Population*, 13(1), 5–16. doi: 10.12927/whp.2011.22478

Manuscripts under review

21. Ruijia Chen, Camilla Calmasini, Dan Mungas, Elizabeth Rose Mayeda, Sebastien Haneuse, Aric Prather, **Rachel L. Peterson**, Kristen M. George, Lisa Barnes, Paola Gilsanz, Rachel Whitmer, Maria Corrada, Maria Glymour. Pragmatic Approaches to Handling Practice Effects in Cognitive Aging Research.
22. **Peterson, R.L.**, Gilsanz, P., George, K.M., Whitmer, R.A., Glymour, M.M. Rural residence in childhood and midlife and late-life brain health in a racially/ethnically diverse cohort.

Manuscripts in preparation

23. **Peterson, R.L.**, Gilsanz, P., George, K.M., Lor, Y.*, Meunier, C.*, Soh, Y., Corrada, M., Mungas, D.M., DeCarli, C., Glymour, M.M., Whitmer, R.A. Associations of early childhood socioeconomic status with brain health and cognitive decline after age 90.
24. **Peterson, R.L.**, George, K.M., Gilsanz, P., Mayeda, E.R., Meyer, O.L., Barnes, L.L., Glymour, M.M., Mungas, D.M., Whitmer, R.A. Physical, social and cognitive leisure activity participation and cognitive change in the Study of Healthy Aging in African Americans (STAR).
25. Simone, S., **Peterson, R.L.**, Sol, K., Andrews, R., Vonk, J. Evidence for brain maintenance and cognitive reserve proxies: A causal mediation analysis
26. Mariana L Almeida, Scott Zimmerman, Audra Gold, Sarah Ackley, Alicia Riley, Chloe Eng, Rachel Whitmer, Kristen George, **Rachel L. Peterson**, Elizabeth Rose Mayeda, Dan Mungas, M Glymour. The association between physical activity and cognition in a racially/ethnically diverse sample of older adults: Results from the KHANDLE Baseline

GRANTS

Active Support

Lifecourse Community Contexts and Health Behaviors as Drivers of Disparities in Risk of Alzheimer's Disease and Related Dementias, 2022-2025

PI: Rachel L. Peterson, PhD, MPH, MA

Source: National Institute on Aging;

Award Number: 4R00AG073457-02

Role: Principal Investigator

Lifecourse health, cerebral pathology and ethnic disparities in dementia, 2019-21; 2021-26

PI: Rachel A. Whitmer, PhD

Source: National Institute on Aging;

Award Number: 7RF1AG052132-02

Role: Postdoctoral Researcher

Concluded Support

Lifecourse Community Contexts and Health Behaviors as Drivers of Disparities in Risk of Alzheimer's Disease and Related Dementias, 2021-2022

PI: Rachel L. Peterson, PhD, MPH, MA

Source: National Institute on Aging;

Award Number: K99 AG073457-01

Role: Principal Investigator

T-32 Neuroscience of Cognitive Aging, 2020-2021

PI: Charles DeCarli, MD

Source: National Institute on Aging;

Award Number: 5T32AG050061-05

Role: Postdoctoral Fellow

Tipping Points Pilot Study, 2019

PI: Janice Crist, PhD, RN

Source: Sigma Theta Tau International – Beta Mu Chapter

Role: Co-Investigator

Arizona Geriatrics Workforce Enhancement Program (AZ-GWEP), 2015-2019

PI: Mindy Fain, MD

Source: Health Resources and Services Administration;

Award Number: U1QHP28721,

Role: Co-Investigator

REFEREED CONFERENCE PRESENTATIONS

Oral Presentations

2022

1. Lor, Y., **Peterson, R.L.**, Gilsanz, P., George, K.M., Meunier, C., Soh, Y., Corrada, M., Glymour, M.M., Whitmer, R.A. Childhood measures of socioeconomic status and cognitive decline in the *LifeAfter90* Study. *Lightning Round Oral Presentation*. Alzheimer's Association International Conference; San Diego, CA. July 2022.

2020

2. **Peterson, R.L.**, George, K.M., Gilsanz, P., Corrada, M.M., Whitmer, R.A. *SYMPOSIUM*: Studying lifecourse dementia risk factors in a diverse aging society: research opportunities and findings from diverse populations in northern California. American Public Health Association Annual Meeting, Oct. 2020.
3. **Peterson, R.L.**, George, K.M., Gilsanz, P., Barnes, L.L., Mayeda, E.R., Glymour, M.M., Mungas, D.M., Whitmer, R.A. Cardiovascular Risk Factors in Adolescence and Adulthood and Late-Life Cognition: Study of Healthy Aging in African Americans (STAR). *Oral Presentation*. Alzheimer's Association International Conference, July 2020.

4. George, K.M. Gilsanz, P., **Peterson, R.L.**, Mayeda, E.R., Glymour, M.M., Mungas, D.M., DeCarli, C., Whitmer, R.A. Racial/Ethnic Differences in the Relationship between Grip Strength and Gait Speed and Cognitive Function: Kaiser Healthy Aging and Diverse Life Experiences (KHANDLE) Study. *Oral Presentation*. Alzheimer's Association International Conference, July 2020.
5. Barnes, L.L., **Peterson, R.L.**, George, K.M., Gilsanz, P., Mungas, D.M., Mayeda, E.R., Rachel A. Whitmer. Gender differences in the association of childhood socioeconomic status and late-life cognition among African Americans. *Oral Presentation*. Alzheimer's Association International Conference, July 2020.

2019

6. **Peterson, RL**, Shea, K. Luque, K. Powell, J. Liu, J. Crist, J. Tipping Points Pilot Study: Findings. *SYMPOSIUM: The Tipping Point Study: Digital Detection and Decision Support for Older Adults and Families*. Gerontological Society of America, Nov. 16, 2019, Austin, TX.
7. Crist, J. D., **Peterson, R. L.**, Lacasse, C. Shea, K. D., Martin-Plank, L., Heasley, J. B., Liu, J., & Phillips, L. R. Lawton's Theory of Person-Environment Fit: Theoretical foundations for detecting caregiving tipping points. *SYMPOSIUM: The Tipping Point Study: Digital Detection and Decision Support for Older Adults and Families*. Gerontological Society of America, Nov. 16, 2019, Austin, TX.
8. Liu, J., Shea, K. Luque, K., Powell, J., Crist, J. D., Martin-Plank, L., Heasley, B. J., Phillips, R. L., & **Peterson, R. L.** Using Health Information from Affordable Wearable Devices for Predicting Impending Tipping Points. *SYMPOSIUM: The Tipping Point Study: Digital Detection and Decision Support for Older Adults and Families*. Gerontological Society of America, Nov. 16, 2019, Austin, TX.

2017

9. **Peterson, R.L.**, Raach, K., Fain, M., Mohler, M.J. Starting the Dementia Conversation: CHWs' Role in Dementia Awareness and Assessment. CDC Healthy Brain Research Network Symposium, *Oral*. American Public Health Association Annual Conference, Nov. 5-8, 2017, Atlanta, Ga.

2014

10. Dierwechter, T., **Peterson, R.L.**, & Mackey, M. Regional Collaboration for a Healthier Tomorrow. *Oral Presentation*. Oregon Public Health Association Annual Conference, Oct. 13-14, 2014 Corvallis, Ore.
11. Kathryn M. Nowotny, **Peterson, R.L.**, and Boardman, J., "Gendered Contexts: Examining the Variation of Suicide Ideation for Adolescent Girls and Boys across

States.” *Oral Presentation*. Population Association of America (PAA), May 1-3, 2014, Boston, Mass.

Poster Presentations

2022

1. **Peterson, R.L.**, Gilsanz, P., George, K.M., Lor, Y., Soh, Y., Corrada, M., Mungas, D.M., DeCarli, C., Glymour, M.M., Maillard, P., Whitmer, R.A. Childhood socioeconomic status and neuroimaging markers of brain health in the *LifeAfter90* study. *Poster*. Alzheimer’s Association International Conference; San Diego, CA. July 2022.

2021

2. **Peterson, R.L.**, George, K.M., Gilsanz, P., Mayeda, E.R., Meyer, O.L., Barnes, L.L., Glymour, M.M., Mungas, D.M., Whitmer, R.A. Cognitive, Social and Physical Activity Participation and Late-Life Cognitive Change in a cohort of older Black Americans. *Poster*. Alzheimer’s Association International Conference, July 2021.
3. Calmasini, C., Swinnerton, K.N., Zimmerman, S.C., **Peterson, R.L.**, George, K.M., Gilsanz, P., Hayes-Larson, E., Mayeda, E.R., Mungas, D.M., Whitmer, R.A., Glymour, M.M. Association of social integration with cognitive status: results from the KHANDLE study. *Poster*. Alzheimer’s Association International Conference, July 2021.
4. Gilsanz P., Corrada, M.M., Mungas, D.M., Glymour M.M., Kawas C.H., Lam J.O., Vieira K.E., **Peterson, R.L.**, Eng, C.W., Quesenberry, C.P., Whitmer, R.A. Examining possible gender differences in the association between education and late-life cognitive function in the LifeAfter90 Study. *Poster*. Alzheimer’s Association International Conference, July 2021.

2020

5. **Peterson, R.L.**, George, K.M., Barnes, L.L., Gilsanz, P., Mayeda, E.R., Glymour, M.M., Mungas, D.M., Whitmer, R.A. Timing of School Desegregation Experience and Late-Life Cognition in the Study of Healthy Aging in African Americans (STAR) Cohort. *Poster*. Alzheimer’s Association International Conference, July 2020.
6. **Peterson, R.L.**, George, K.M., Gilsanz, P., Mayeda, E.R., Glymour, M.M., Mungas, D.M., DeCarli, C., Whitmer, R.A. Early Adulthood and Midlife Cardiovascular Risk Factors and Late-Life Cognition in KHANDLE: A Lifecourse Study of a Diverse Cohort. *Poster*. Alzheimer’s Association International Conference, July 2020.
7. **Peterson, R.L.**, George, K.M., Gilsanz, P., Mayeda, E.R., Glymour, M.M., Mungas, D.M., DeCarli, C., Whitmer, R.A. Nativity Differences in Lifecourse Socioeconomic

Position and Late-Life Cognition among KHANDLE Participants. *Poster*. Alzheimer's Association International Conference, July 2020.

8. George, K.M., **Peterson, R.L.**, Gilsanz, P., Mayeda, E.R., Glymour, M.M., Mungas, D.M., DeCarli, C., Whitmer, R.A. Racial/Ethnic Differences in the Relationship between Sensory Impairments and Cognitive Function: Kaiser Healthy Aging and Diverse Life Experiences (KHANDLE) Study. *Poster*. Alzheimer's Association International Conference, July 2020.
9. Gilsanz, P., Mayeda, E.R., Eng, C.W., Glymour, M.M., **Peterson, R.L.**, George, K.M., Quesenberry, C.P., Mungas, D.M., DeCarli, D.S., Whitmer, R.A. Sex Differences in the Association Between Education in Adulthood and Late-Life Cognition in the Kaiser Health Aging and Diverse Life Experiences (KHANDLE) Study. *Poster*. Alzheimer's Association International Conference, July 2020.
10. Gilsanz, P., Mayeda, E.R., George, K.M., **Peterson, R.L.**, Eng, C.W., Glymour, M.M., Quesenberry, Whitmer, R.A. Changes in body mass index in young adulthood and late-life dementia risk in a large diverse cohort. *Poster*. Alzheimer's Association International Conference, July 2020.

2019

11. Crist, J.D., Shea, K.D., **Peterson, R.L.**, Luque, K., Powell, J., Liu, J., Martin-Plank, L., Lacasse, C., May, J.T., Zhang, Y., Heasley, B.J., Phillips, L.R. Sensor Technology: Mexican American Caregiving Families. *Poster*. Council for the Advancement of Nursing Science (CANS), Oct. 23, 2019, WA DC
12. **Peterson, R.L.**, Butler, E.A., Fain, M.J., Ehiri, J.E., Carvajal, S.C. The Role of Social Status and Chronic Stress for Racial Disparities in Cognitive Aging. *Poster*. Alzheimer's Association International Conference, July 14-17, 2019, Los Angeles, Calif.

2018

13. **Peterson, R.L.**, Butler, E.A., Ehiri, J.E., Fain, M.J., Carvajal, S.C. Mechanisms for Race and Gender Disparities in Cognitive Decline. *Poster*. American Public Health Association Annual Meeting, Nov. 11-14, 2018, San Diego, Calif.
14. Coco, L., **Peterson, R.L.**, Marrone, N. Hearing Health Training Builds Capacity for Community Health Workers in the U.S. *Poster*. Coalition for Global Hearing Health, Oct. 26-28, 2018, Cape Town, South Africa.
15. **Peterson, R.L.**, Carvajal, S.C., McGuire, L.C., Fain, M.J., Bell, M.L. State Inequality, Socioeconomic Status and Subjective Cognitive Decline from the Behavioral Risk Factor Surveillance System, 2015-2016. *Poster*. Alzheimer's Association International Conference, July 22-25, 2018, Chicago, Ill.

2017

16. **Peterson, R.L.**, Coco, L., Ingram, M., Redondo, F., Marrone, N. Training Community Health Workers on Hearing Health Concerns in Aging: A Feasibility Study. *Poster*. American Public Health Association Annual Conference, Nov. 5-8, 2017, Atlanta, Ga.
17. **Peterson, R.L.**, Stocker, H., Toosizadeh, N., Wendel, C., Fain, M., Mohler, M.J. Balance Changes Associated with Six-Month Frailty Status Changes. *Poster*. International Association of Gerontology and Geriatrics World Congress 2017 Conference, July 24-28, 2017, San Francisco, Calif.
18. Stocker, H., **Peterson, R.L.** Toosizadeh, N., Wendel, C., Fain, M., Mohler, M.J. Frailty Transitions Among Older Adults. *Poster*. International Association of Gerontology and Geriatrics World Congress 2017 Conference, July 24-28, 2017, San Francisco, Calif.
19. Coco, L., **Peterson, R.** Community Training on Hearing Loss and Mental Wellbeing Increases Awareness. *Poster*. American Auditory Society Annual Conference, March 2-4, 2017, Phoenix, Ariz.

INVITED SPEAKER/PANELIST

2019 Alzheimer's Association Day at the Capital

Panelist on Alzheimer's disease and related dementias workforce development.
Feb. 26, 2019. Phoenix Arizona

2018 Inter-Tribal Community Health Representative Summit

Hosted by Yavapai-Prescott Indian Tribe
"Dementia in Indian Country – Symptoms & Resources"
Aug. 22-23, 2018, Prescott, Arizona

2017 Western Arizona Council of Governments Annual Conference on Aging

"Clinical and Community Partnerships to Promote Health in Older Adults."
May 18-19, 2017, Yuma, Arizona

2011 Prevention Provider Meeting

Arizona Department of Health Services, Division of Behavioral Health Services
"Multi-Cultural Communication in Community Prevention"
Feb. 9, 2011, Phoenix, Arizona

2010 Breaking the Silence: 3rd Annual Navajo Nation Suicide Prevention Conference

"Collaborative Efforts to Save Lives"
June 11, 2010, Window Rock, Arizona

PROFESSIONAL PUBLICATIONS & REPORTS

1. Fain, M., O'Neill, L, **Peterson, R.**, Stocker Cioltan, H., Vitkus, L. (2017). Project THRIVE Final Evaluation Report for the American Seniors Housing Association.
2. **Peterson, R.**, Austen, R., Hale, N., Hall, B., Hall, K., McBee-Wilson, R., Paeth, S., Neal, P., Vance, M., Versteeg, J., Wiist, B., Young-Lorion, J. (2015). Lincoln County Public Health Department Strategic Plan, Lincoln County, Oregon.
3. **Peterson, R.**, Austen, R. (2014). Community Health Improvement Plan (CHIP), Lincoln County, Oregon.
4. **Peterson, R.** (2013). An early evaluation of the chronic care program health outcomes for Health Horizons International, Biomarker Analyses from Jan. 2010-March 2013.
5. **Peterson, R.**, Hribal, J. (2009) Needs assessment of social and behavioral health issues in Northern Arizona. For the Arizona Department of Health Services, Division of Behavioral Health Services.
6. **Peterson, R.** & Dlamini, B. (2008). Nzameya (Swaziland) Chiefdom needs assessment and strategic plan: local solutions toward the Millennium Development Goals.

OTHER TRAINING AND PROFESSIONAL DEVELOPMENT

- 2018** **Applied Regression Modeling of Time to Event Data**
College of Public Health Statistics Workshop, University of Arizona
Instructor: David Hosmer, PhD
- 2016** **Successful Aging Mini-Fellowship Program (iSAGE)**
Stanford University School of Medicine
Project Director: VJ Periyakoil, MD
- 2013** **Applied Multilevel Models for Longitudinal and Clustered Data**
Inter-University Consortium for Political and Social Research (ICPSR) Summer Workshop, Boulder, Colorado
Instructor: Lesa Hoffman, PhD
- 2012-2013** **PhD Student (no degree)**
Department of Sociology – Population Health Concentration
University of Colorado—Boulder
Mentors: Jason Boardman, PhD; Stefanie Mollborn, PhD

PUBLIC HEALTH PRACTICE & PROFESSIONAL EXPERIENCE

UNIVERSITY OF ARIZONA CENTER ON AGING, Tucson, Arizona
2016-2019 **Health Educator, Senior**

- Develop and deliver geriatric education to health professionals and health professions students and Community Health Workers, including those serving Tribal and Hispanic communities in Arizona.
- Serve as Arizona liaison for indigenous populations collaboration of 6 HRSA-funded Geriatric Workforce Enhancement Programs (AK, AZ, HI, MT, UT and WY).

LINCOLN COUNTY HEALTH AND HUMAN SERVICES, Newport, Oregon

2014-2016 Health Promotion Program Manager

- Supervised and trained health promotion staff to develop and implement health education and policy advocacy on tobacco control, substance abuse, screening, health in all policies and other initiatives.

2014-2016 National Accreditation Coordinator

- Oversaw all activities to prepare for the national Public Health Accreditation Board (PHAB) application.

HEALTH HORIZONS INTERNATIONAL, Dominican Republic

2013 Consulting Evaluator

- Evaluated the Community Health Worker-led chronic disease treatment program for population health impact using a multi-level analysis of patient biomarkers.

2011-2012 Programs and Operations Manager

- Oversaw all organizational logistics and training for the Community Health Worker-led chronic disease management program and primary care clinics.

NORTHERN AZ REGIONAL BEHAVIORAL HEALTH AUTHORITY, Flagstaff, Arizona

2009-2011 Prevention Program Manager

- Provided training, technical assistance and evaluation for all substance abuse prevention services funded through the Substance Abuse Prevention and Treatment (SAPT) block grant implemented in Tribal, Hispanic, and rural communities in the northern 5 counties of Arizona.
- Coordinated the Native American Suicide Prevention and Awareness Coalition (NASPAC).

UNITED STATES PEACE CORPS, Swaziland

2007-2008 Community Health and HIV/AIDS Education Volunteer

- Collaborated with community leaders, Swazi government officials, international organizations, and other Peace Corps Volunteers to develop and implement HIV/AIDS education and awareness activities.

ARIZONA DAILY SUN, Flagstaff, Arizona

2005-2006 Staff Reporter

- Reported and wrote news articles for daily deadlines covering city politics and business beats.

THE NEWS RECORD, Gillette, Wyoming

2004-2005 Staff Reporter

- Reported and wrote news articles for daily deadlines covering health care and city politics.

ACADEMIC SERVICE

Professional Organization Leadership

2022 Geospatial Lead for Rural Health Disparities Workgroup, Diversity and Disparities Professional Interest Area of the International Society to Advance Alzheimer's Research & Treatment (ISTAART)

Social/Structural Determinants of Health Workgroup: Diversity and Disparities Professional Interest Area of the International Society to Advance Alzheimer's Research & Treatment (ISTAART)

University/Department Committees

2013 Professional Seminar Committee, Dept. of Sociology, University of Colorado, Boulder

2006 Steering Committee, 9th Annual Shepard Symposium for Social Justice, University of Wyoming

Manuscript Review

2022 Psychiatry Research
American Journal of Epidemiology

2021 Journal of Aging and Health

2020 American Journal of Epidemiology
Alzheimer's and Dementia: Translational Research and Clinical Interventions

2017 Preventive Medicine

2015 Voluntas, International Journal of Voluntary & Non-profit Orgs.

Scientific Conference Abstract Review

2018 American Public Health Association, Aging and Public Health section

2017 American Public Health Association, Aging and Public Health section

2016 International Assoc. of Gerontology & Geriatrics World Congress

HONORS AND AWARDS

2020 Honorable Mention, Zimmer New Investigator Research Award, American Public Health Association, Aging and Public Health Section

2020 Postdoctoral Scholar Association Travel Grant, University of California, Davis

2018 Mel and Enid Zuckerman College of Public Health Travel Award, University of Arizona

2017 Alzheimer's Association Healthy Brain Research Network Travel Scholarship

2017 Mel and Enid Zuckerman College of Public Health Travel Award, University of Arizona

2003 McCracken Family Journalism Scholarship, full tuition, University of Wyoming

PROFESSIONAL MEMBERSHIPS

2019-present Alzheimer's Association ISTAART
2016-present American Public Health Association
2016-2019 Gerontological Society of America
2014-2016 American Evaluation Association
2014-2016 Oregon Public Health Association

LANGUAGES AND SKILLS

Spanish (conversational)
Stata
Program Evaluation
Community-Based Participatory Research Methods