

Catherine S. Nagawa, PhD
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Catherine-Nagawa@ou.edu

EDUCATION

University of Massachusetts Chan Medical School, Worcester, MA

PhD Clinical and Population Health, Awarded June 2022

Advisor: Rajani S. Sadasivam, PhD

Dissertation: Smoking Cessation in People with Mental Health Conditions: Exploring the Role of Family and Peers

University of Massachusetts-Amherst, Amherst, MA

MS Epidemiology, Awarded May 2017

Advisors: Hawkins Marquis, PhD; Elizabeth R Bertone-Johnson, PhD

Thesis: Predictors of Anemia Among HIV Patients in Uganda

Makerere University, Kampala, Uganda

BS Statistics/Mathematics, Awarded January 2014

ACADEMIC/RESEARCH POSITIONS

Assistant Professor (Tenure-Track), September 2024 – Present

Department of Health Promotion Sciences

TSET Health Promotion Research Center - Tulsa

The University of Oklahoma Health Science – Tulsa, OK

Postdoctoral Research Fellow, September 2022 – August 2024

Department of Social and Behavioral Sciences

Harvard T.H. Chan School of Public Health, Harvard University, Boston, MA

Division of General Internal Medicine, Massachusetts General Hospital, Boston, MA

Advisors: Gina Kruse, MD, MPH; Nancy Rigotti, MD, MPH

Instructor, June 2022 – August 2022

Department of Population and Quantitative Health Sciences

University of Massachusetts Chan Medical School, Worcester, MA

Graduate Student Researcher, September 2018 – June 2022

Department of Population and Quantitative Health Sciences

University of Massachusetts Chan Medical School, Worcester, MA

Research Coordinator, September 2017 – August 2018

Department of Population and Quantitative Health Sciences

University of Massachusetts Chan Medical School, Worcester, MA

RESEARCH GRANTS AND FUNDING SUPPORT

Ongoing

ACS-IRG OUHSC (PI: Nagawa) Co-Investigators: vanDellen, Wen, 2025

Project Title: Enhancing Social Support in a Cessation Intervention for Adults with Mental

Health Conditions Who Smoke. We aim develop and refine a text-based learning program that

a) provides information on communication strategies that foster better support, and b) redirects negative behaviors, such as criticism, which are known to reduce support. We will integrate the text-based program in a cessation intervention to evaluate support and cessation outcomes.

CDC 1U48DP006873-01 (PI: Emmons), 2024 – 2029

Project Title: Massachusetts Cancer Prevention and Control Research Network

The project aims to improve the delivery of evidence-based tobacco treatments in community health centers (CHCs) by identifying patient and contextual factors that influence treatment, with a special focus on patients with mental health diagnoses and engage with national academic and public health partners to accelerate the implementation of cancer prevention and control interventions across CHCs.

Role: Co-Investigator

Completed

2T32CA057711-30 (MPI: Emmons/ Frazier), 2022 - 2024

Project Title: Harvard T.H. Chan School of Public Health – Dana–Farber/Harvard Cancer Center Educational Program in Cancer Prevention. The joint NCI-funded Educational Program aims to train the next generation of scientists in transdisciplinary approaches to cancer prevention and control.

Role: Post-doctoral Research Fellow

NCI F31CA263974 (PI: Nagawa), 2020 - 2022

Project Title: Smoking Cessation in Persons with Mental Health Conditions (MHC): Exploring the Role of Family/Friends. This research examined the effects of family or peers influences in persons with mental health conditions and qualitatively explore social barriers and facilitators to using family or peer support for smokers with MHC to promote smoking cessation.

T32 CA172009-06. (PI: Lemon), 2019 - 2020

Project Title: PRACCTIS - Prevention and Control of Cancer Training for Change in Individuals and Systems. PRACCTIS is an NCI-funded training program designed to train the next generation of scientists to conduct implementation research in cancer prevention, control and care delivery across the cancer continuum, including primary prevention, cancer screening, diagnosis, treatment and survivorship.

Role: Pre-doctoral Trainee

R25GM113686 (MPI: Lapane/Lewis), 2018 - 2019

The Initiative for Maximizing Student Development is a predoctoral program funded by the National Institutes of Health (NIH). The goal of this National Institute of General Medical Sciences (NIGMS) program is to support educational programs that seek to increase diversity in the biomedical, behavioral, and clinical research fields.

Role: Pre-doctoral Trainee

PEER-REVIEWED PUBLICATIONS

*Denotes mentee +Senior author

1. Kruse GR, Neil J, Chang Y, Anctil R, **Nagawa CS**, Shao R, Flores I, Durieux N, Mao B, Park ER. Predictors and latent class associations with lung cancer screening intentions. BMC Primary Care. 2026
2. **Nagawa CS**, Anctil R, Neil J, Flores I, Durieux N, Shao R, Chang Y, Park E, Kruse GR. Associations between survey completion mode and sociodemographic factors among individuals eligible for lung cancer screening. Journal of Clinical and Translational Science. 2025

3. Richards VL, Oliver JA, Pan SJ, Frank-Pearce SG, Smith MA, **Nagawa CS**, Cohn AM. Mental health matters? An examination of how anxiety and depression influence the alcohol-e-cigarette use relationship. *Addictive Behaviors*. 2025
4. **Nagawa CS**, Luo F, Shen Y, MacKillop JM, Beach SRH, vanDellen M. Characterizing the Impact of Dyadic Motivations to Quit on Cessation Outcomes in Dual-Smoking Couples. *Tobacco Use Insights*. 2025
5. James NS*, Carpenter LC, Nyamao JO, Li D, **Nagawa CS**⁺. Associations between English proficiency and HPV vaccine uptake among foreign-born men and women in the United States: a cross-sectional study using data from the National Health Interview Survey. *BMC Public Health*. 2025.
6. **Nagawa CS**, Selvamuthu, P., Kumarasamy, N., Balakrishnan, FB., Rigotti, NA. and Kruse, GR., *Patterns and Correlates of Multiple Tobacco Product Use Among People With HIV in India*. *Tobacco Use Insights*, 17. 2024
7. **Nagawa CS**; Rigotti NA, Chang Y, Levy DE; Streck JM, Ylioja T, Lee S; Hilary A. Tindle, *Association between smoking abstinence and subsequent depression and anxiety symptoms in adults who stop smoking after hospital discharge: the Helping HAND 4 trial*. *Journal of Addiction Medicine*. 2024
8. Pbert L, Dubé CE, **Nagawa CS**, Simone DP, Wijesundara JG, Sadasivam RS. *Vaping cessation support recommendations from adolescents who vape: a qualitative study*. *BMC Public Health*. 2024
9. Sadasivam RS, **Nagawa CS**, Wijesundara JG, Flahive J, Nguyen HL, Larkin C, Faro JM, Balakrishnan K, Ha DA, Nguyen CK, Vuong A. *Peer Texting to Promote Quitline Use and Smoking Cessation Among Rural Participants in Vietnam: Randomized Clinical Trial*. *International Journal of Public Health*. 2024
10. Dubé CE, Pbert L, **Nagawa CS**, Simone DP, Wijesundara JG, Sadasivam RS. *Adolescents Who Vape Nicotine and Their Experiences Vaping: A Qualitative Study*. *Substance Abuse*. 2023
11. **Nagawa CS**, Ito Fukunaga M, Faro JM, Liu F, Anderson E, Kamberi A, Orvek EA, Davis M, Pbert L, Cutrona SL, Houston TK, Sadasivam RS. *Characterizing Pandemic-Related Changes in Smoking Over Time in a Cohort of Current and Former Smokers*. *Nicotine & Tobacco Research Journal*. 2023
12. Faro JM, Chen J, Flahive J, **Nagawa CS**, Orvek EA, Houston TK, Allison JJ, Person SD, Smith BM, Blok AC, Sadasivam RS. *Effect of a Machine Learning Recommender System and Viral Peer Marketing Intervention on Smoking Cessation: A Randomized Clinical Trial*. *JAMA Network Open*. 2023
13. **Nagawa CS**, Lane IA, Davis M, Wang B, Pbert L, Lemon SC, Sadasivam RS. *Experiences Using Family or Peer Support for Smoking Cessation and Considerations for Support Interventions: A Qualitative Study in Persons with Mental Health Conditions*. *Journal of Dual Diagnosis*. 2023
14. **Nagawa CS**, Lane IA, McKay CE, Kamberi A, Shenette LL, Kelly MM, Davis M, Sadasivam RS. *Use of a Rapid Qualitative Method to Inform the Development of a Text Messaging Intervention for People with Serious Mental Illness Who Smoke: Formative Research Study*. *JMIR Formative Research*. 2022

15. **Nagawa CS**, Wang B, Davis M, Pbert L, Cutrona SL, Lemon SC, Sadasivam RS. *Examining pathways between family or peer factors and smoking cessation in a nationally representative US sample of adults with mental health conditions who smoke: a structural equation analysis.* BMC Public Health. 2022
16. **Nagawa CS**, Pbert L, Wang B, Cutrona SL, Davis M, Lemon SC, Sadasivam RS. *Association between family or peer views towards tobacco use and past 30-day smoking cessation among adults with mental health problems.* Preventive Medicine Reports. 2022
17. Houston TK, Chen J, Amante DJ, Blok AC, **Nagawa CS**, Wijesundara JG, Kamberi A, Allison JJ, Person SD, Flahive J, Morley J, Conigliaro J, Mattocks KM, Garber L, Sadasivam RS. *Effect of Technology-Assisted Brief Abstinence Game on Long-term Smoking Cessation in Individuals Not Yet Ready to Quit: A Randomized Clinical Trial.* JAMA Int. Med. 2022
18. Chen J, Houston TK, Faro JM, **Nagawa CS**, Orvek EA, Blok AC, Allison JJ, Person SD, Smith BM, Sadasivam RS. *Evaluating the use of a recommender system for selecting optimal messages for smoking cessation: patterns and effects of user-system engagement.* BMC Public Health 2022
19. **Nagawa CS**, Faro JM, Menon AJ, Ito Fukunaga M, Williams JH, Mourao D*, Emidio OM, Davis M, Pbert L, Cutrona SL, Houston TK, Sadasivam RS. *Written Advice Given by African American Smokers to Their Peers: Qualitative Study of Motivational Messages.* JMIR Formative Research. 2021
20. Faro JM, Mattocks KM, Mourao D, **Nagawa CS**, Lemon SC, Wang B, Cutrona SL, Sadasivam RS. *Experiences and perceptions of referrals to a community-based physical activity program for cancer survivors: a qualitative exploration.* BMC Health Services Research. 2021
21. Faro JM, **Nagawa CS**, Orvek EA, Smith BM, Blok AC, Houston TK, Kamberi A, Allison JJ, Person SD, Sadasivam RS. *Comparing recruitment strategies for a digital smoking cessation intervention: Technology-assisted peer recruitment, social media, Research Match, and smokefree.gov.* Contemporary Clinical Trials. 2021
22. Faro JM, Mattocks KM, **Nagawa CS**, Lemon SC, Wang B, Cutrona SL, Sadasivam RS. *Physical activity, mental health, and technology preferences to support cancer survivors during the COVID-19 pandemic: Cross-sectional study.* JMIR cancer. 2021
23. **Nagawa CS**, Palakshappa JA, Sadasivam RS, Houston TK. *Herbal or Dietary Supplement Use and Hypertensive Medications: Does the Combination Relate to Medication Adherence and Blood Pressure Control?* Journal of Alternative Complementary Medicine. 2021
24. **Nagawa CS**, Emidio OM, Lapane KL, Houston TK, Barton BA, Faro JM, Blok AC, Orvek EA, Cutrona SL, Smith BM, Allison JJ, Sadasivam RS. *Teamwork for smoking cessation: which smoker was willing to engage their partner? Results from a cross-sectional study.* BMC Research Notes. 2020
25. Faro JM, **Nagawa CS**, Allison JA, Lemon SC, Mazor KM, Houston TK, Sadasivam RS. *Comparison of a Collective Intelligence Tailored Messaging System on Smoking Cessation Between African American and White People Who Smoke: Quasi-Experimental Design.* JMIR Mobile health 2020

26. Amante DJ, Blok AC, **Nagawa CS**, Wijesundara JG, Allison JJ, Person SD, Morley J, Conigliaro J, Mattocks KM, Garber L, Houston TK, Sadasivam RS. *The 'Take a Break' game: Randomized trial protocol for a technology-assisted brief abstinence experience designed to engage lower-motivated smokers*. Contemporary Clinical Trials. 2020
27. Chen J, Sadasivam R, Blok AC, **Nagawa CS**, Orvek E, Patel K, Houston TK. *The Association Between Patient-reported Clinical Factors and 30-day Acute Care Utilization in Chronic Heart Failure*. Med Care. 2020
28. Faro JM, Orvek EA, Blok AC, **Nagawa CS**, McDonald AJ, Seward G, Houston TK, Kamberi A, Allison JJ, Person SD, Smith BM, Brady K, Grosowsky T, Jacobsen LL, Paine J, Welch JM, Sadasivam RS. *Dissemination and Effectiveness of the Peer Marketing and Messaging of a Web-Assisted Tobacco Intervention: Protocol for a Hybrid Effectiveness Trial*. JMIR Research Protocol. 2019

CONFERENCE POSTER PRESENTATIONS (PEER-REVIEWED)

1. St. James, N*; Carpenter, L; Nyamao, J; Li, D; **Nagawa, CS**⁺. *Associations between English proficiency and HPV vaccine uptake among foreign-born men and women in the United States: A cross-sectional study using data from the National Health Interview Survey*. Oklahoma Public Health Association (OPHA) Conference, September 2025.
2. Newell Chesebro, S*; **Nagawa, CS**; Hardage, MK*; Lam, DG*; Wen, FK; vanDellen, MR. *Associations Between Smoking Status, Beliefs, and Comfort Providing Quitting Support*. SPSP 2026 Annual Convention, Chicago, IL, February 26–28, 2026.
3. **Nagawa, CS**; Qualls Fay, K*; Newell Chesebro, S*; Hardage, M*; Wen, F; vanDellen, M. *Supporter preferences for text messages designed to guide and aid smoking cessation support*. 46th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, April 2025.
4. **Nagawa, CS**, Anctil, RS, Neil, JM, Flores, I, Durieux, N, Shao, R, Chang, Y, Park, ER, Kruse, GR. *Factors associated with research participation among current and former smokers eligible for lung cancer screening: A cross-sectional survey*. Society for Research on Nicotine and Tobacco, March 2025
5. Selvamuthu P, Kumarasamy N, Rigotti N, **Nagawa CS**, Beulah F, Porneala B, Kruse G. *Understanding tobacco use & cessation among people in HIV-care in Chennai, India*. Accepted as a poster presentation at the 29th Annual Meeting & Scientific Sessions of the Society for Research on Nicotine and Tobacco, Feb 2023
6. **Nagawa CS**; Kruse GR, Yuan Y; Kumarasamy N; Beulah F; Rigotti NA; Selvamuthu P. *Multiple tobacco product use, cotinine levels, and nicotine dependence, and cessation-related factors in people living with HIV who use tobacco in India*. Accepted as a poster presentation at the 29th Annual Meeting & Scientific Sessions of the Society for Research on Nicotine and Tobacco, Feb 2023
7. **Nagawa CS**; Yuan Y, Polisetty S, Sadasivam R, Nunes A. *Use of classification algorithms to predict knowledge of clinical trials in the U.S. adult population: HINTS Survey 2020*. Accepted as a poster presentation at the 43rd Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, April 2022

8. Lane IA, **Nagawa CS**, Lombardini L, Kamberi A, McKay C, Davis M. *Identifying screening approaches for recruiting smokers with serious mental illness into online behavioral interventions*. Accepted as a poster presentation at the 43rd Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, April 2022
9. **Nagawa CS**; Wang B; Pbert L; Cutrona S; Davis M; Lemon S; Sadasivam R. *Family and peer influences on smoking cessation among smokers living with mental health conditions: A structural equation modeling analysis*. Accepted as a poster presentation at the 43rd Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, April 2022
10. **Nagawa CS**; Pbert L, Wang B; Cutrona SL; Davis M, Lemon S, Sadasivam RS. *Association between family or peer views on tobacco use and smoking cessation among adults with mental health conditions*. Poster presentation delivered at the 5th Annual Cancer Disparities Symposium, Remote, 2021
11. **Nagawa CS**, Emidio OM, Lapane KL; Houston TK, Barton BA, Sadasivam RS. *Factors Associated with a Smokers' Willingness to Engage a Partner in Smoking Cessation*. Poster presentation to be delivered at the 41st annual Meeting of the Society of Behavioral Medicine, San Francisco, CA. April 2020 (accepted but cancelled due to COVID-19)
12. Faro JM, Brown MA., **Nagawa CS**, Houston TK, Lemon, SC, Sadasivam, RS *Barriers and facilitators to connecting cancer survivors to a community-based physical activity program: LIVESTRONG at the Y*. Poster presentation to be delivered at the 41st annual Meeting of the Society of Behavioral Medicine, San Francisco, CA. April 2020 (accepted but cancelled due to COVID-19)
13. Emidio OM, **Nagawa CS**, Wang B, Jesdale W, Lemon SC, Lapane KL. *Food Insecurity in Adult Cancer Survivors in the United States*. The New England Science Symposium, Joseph B. Martin Conference Center at Harvard Medical School. April 5, 2020 (accepted but cancelled due to COVID-19).
14. **Nagawa CS**, Dagle B, Patterson A, Houston TK, Sadasivam RS. *What did African American smokers write to their peers? Themes derived from African American smokers' peer-written smoking cessation messages*. Poster presentation at the 40th annual Meeting of the Society of Behavioral Medicine, Washington, DC March 2019
15. Sadasivam RS, **Nagawa CS**, Angela Patterson A, Houston TK. *Will a machine learning algorithm increase message relevance of computer tailoring to African American smokers?* Accepted at the Society of Behavioral Medicine, March 2019
16. Chen J, Sadasivam RS, Blok AC, Ritchie C, **Nagawa CS**, Orvek E, Patel K, Houston TH. *Post-discharge patient-reported data on pain, appetite, heart failure symptoms and management as predictors of readmission or ED visits*. Accepted by the 2019 SGIM Annual Meeting. Washington, DC; May 2019.

CONFERENCE RESEARCH TALKS (PEER-REVIEWED)

17. **Nagawa CS**, Faro JM, Ito Fukunaga M, Kamberi A, Orvek EA, Cutrona SL, Sadasivam RS. *Smoking Behaviors and Mental Health of Current and Former Smokers during the COVID-19 Pandemic*. Research Spotlight presented at the 42nd annual Meeting of the Society of Behavioral Medicine, April 2021, Remote.

18. Faro JM, **Nagawa CS**, Lemon SC, Cutrona SL, Sadasivam RS. *Physical Activity, Mental Health and Preferences for Support during COVID-19: A Cross-Sectional Report of Cancer Survivors*. Research Spotlight presented at the 42nd annual Meeting of the Society of Behavioral Medicine, April 2021, Remote.
19. Faro JM, Orvek EA, **Nagawa, CS**, Kamberi A, Smith BM, Sadasivam RS. *Technology-assisted peer recruitment strategies to enroll smokers into an online cessation trial*. Poster presentation delivered at the 13th Conference on the Science of Dissemination and Implementation in Health, Remote. December 2020.

AD HOC JOURNAL REVIEWER

Translational and Behavioral Medicine
 BMC Public Health
 Tobacco Use Insights
 Nicotine and Tobacco Research Journal
 Journal of Medical Internet Research
 Journal of Complementary and Integrative Medicine
 Journal of Public Health
 Frontiers in Public Health - Substance Use Disorders and Behavioral Addictions

INVITED TALKS

Regional

1. *Enhancing Social Support in a Cessation Intervention for Adults with Mental Health Conditions Who Smoke*. Presented at the OU-Tulsa Research Forum (REACH-OUT 2025), Tulsa, OK, April 2025
2. *Effects of Alignment and Misalignment in Self- and Partner-Oriented Motivations to Quit on Individual and Joint Cessation Outcomes in Dual-Smoking Couples*. Presented at the 25th Annual Cancer Research Symposium, Oklahoma City, OK April 2025

National

3. *Improving Delivery of Evidence-Based Tobacco Treatment in community health centers*. Presented at the CPCRN-9 Kickoff meeting as part of the core work conducted by the MCPCRN center workgroup. CPCRN-9 Kickoff meeting, Atlanta GA Feb 2025
4. *Improving tobacco cessation in Vulnerable groups*. In-person seminar delivered at the Research Center in Minority Institutions at Florida International University, April 2024
5. *Writing Qualitative Papers*. Guest lecture presented online at the Department of Quantitative and Population Health Sciences, UMASS Chan Medical School, April 2024
6. *Addressing Tobacco Use in Individuals with Mental Health Disorders*. Presented at School of Health, Georgetown University, March 2024
7. *Addressing Tobacco Use in Individuals with Mental Health Disorders*. Presented Online at the College of Public Health, Georgia Southern University, November 2023

8. *Family and Peer Influences on smoking cessation in people with Mental Health Condition.*
Presented online at Wake Forest University at the iDAPT P50 Implementation Science Center in Cancer Control, June 2022

International

9. *Smoking Cessation in People with Mental Health Conditions: Exploring the Role of Family and Peers.* Lecture to students' part of the D43 Training Grant with Hanoi Medical School in Vietnam, Virtual, June 2022

PROFESSIONAL ORGANIZATIONS

2024 - Present	Cancer Prevention and Control Research Network
2023	Society of General Internal Medicine
2022 - Present	Society of Nicotine and Tobacco Research
2018 - Present	Society of Behavioral Medicine

HONORS AND AWARDS

2026	Faculty Leadership Program Fellow, University of Oklahoma Health Sciences
2025	P30 DRIVE Grant Workshop Awardee, OUHSC Stephenson Cancer Center
2024	Health Equity Scholars Program in Implementation Science Fellow, Washington University in St. Louis
2022	Educational Program in Cancer Prevention, Research Fellow, Harvard T.H. Chan School of Public Health and Dana–Farber/Harvard Cancer Center
2020	NIH Ruth L. Kirschstein Predoctoral Individual National Research Service Award
2019	Prevention and Control of Cancer Training for Change in Individuals and Systems, Graduate Research Fellow, UMASS Chan Medical School
2018	Initiative for Maximizing Student Development, Research Fellow, UMASS Chan Medical School
2014	Travel Award, 2014 Annual Conference: Mathematical modeling within a public health context, Harvard T.H. Chan School of Public Health
2011	Nationwide Academic Excellence Scholarship Award, Makerere University, Kampala, Uganda

TEACHING AND MENTORING EXPERIENCE

Teaching

HPRC Training Seminar – Academia vs. Industry Pathways (18 trainees)
Role: Presenter and Facilitator
Project: Discussion on Academia vs. Industry Pathways

Directed Readings (HPS 5960-110); 1 graduate student, online, Summer 2025)
University of Oklahoma Health Sciences
Role: Instructor
Project: Association between English Language Proficiency and HPV vaccination

Evidence-Based Health Promotion Practices (8 graduate students, online, Fall 2024)
University of Oklahoma Health Sciences
Role: Guest Lecturer

Lecture title: Selecting theoretical frameworks to guide study design: A case study addressing tobacco use in individuals with mental health disorders

Community-Engaged Research
Harvard T.H Chan School of Public Health
Role: Teaching Fellow

Rigor and Reproducibility in Research
UMASS Chan Medical School
Role: In-person Course Instructor

Introduction to Clinical and Translational Research
UMASS Chan Medical School
Role: Course Developer

Advanced Epidemiological Methods
UMASS Chan Medical School
Role: Teaching Assistant

Introduction to Biostatistics
School of Public Health, University of Massachusetts, Amherst
Role: Teaching Assistant

Health Promotion and Policy
School of Public Health, University of Massachusetts, Amherst
Role: Teaching Assistant

Mentorship

Maddie Hardage (Medical student), Research Mentor, University of Oklahoma Health
Drew Lam (Undergraduate student), Research Mentor, University of Oklahoma Health
Nubwa St. James (PhD student), Teaching Mentor, University of Oklahoma Health
Natalie Hmeluk (Medical Student), Research Mentor, University of Oklahoma Health
Asli McCullers (Pre-doctoral Scholar), Peer Mentor, UMASS Chan Medical School
Brennan Dagle (Medical Student), Peer Mentor, UMASS Chan Medical School
Dalton Mourao (Medical Student), Peer Mentor, UMASS Chan Medical School