INBAL BILLIE NAHUM-SHANI

CURRICULUM VITAE

September 2026

University of Michigan
Department of Psychiatry, Medical School
Institute for Social Research

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RESEARCH INTERESTS

My research focuses on developing novel methodologies and behavioral theory to inform adaptive interventions, namely interventions that use ongoing information about the individual to modify the type/intensity/delivery-mode of support.

Health Psychology:

- Adaptive Interventions
- Just-In-Time Adaptive Interventions
- Mobile Health (mHealth)
- Intervention Engagement
- Social Support, Stress and Health

Research Methods:

- Sequential Multiple Assignment Randomized Trial (SMART)
- Factorial and Fractional Factorial Designs
- Micro-Randomized Trials (MRTs)
- Hybrid Experimental Designs (HEDs)
- Multilevel Experimental Designs and Data Analytics

EDUCATION

Ph.D. Behavioral and Management Sciences (2008)
Technion - Israel Institute of Technology, Israel

M.A. Educational Leadership and Policy (Cum Laude 2003)
School of Education, Haifa University, Israel

B.A. Educational Leadership and Sociology (2001)
School of Education, Haifa University, Israel

POSITIONS HELD

2025-present ***Professor of Psychiatry (with tenure)***
Medical School
University of Michigan

Collegiate Research Professor
Office of the Vice President for Research
University of Michigan

2023-present ***Research Professor***
Institute for Social Research
University of Michigan

2018-present ***Founder and Director***
Data-Science for Dynamic Decision-Making Center (d3c)
Institute for Social Research
University of Michigan

2017-2023 ***Research Associate Professor (with tenure)***
Institute for Social Research
University of Michigan

2013-2017 ***Research Assistant Professor***
Institute for Social Research
University of Michigan

Research Fellow
Smithers Institute for Alcohol-Related Workplace Studies
Cornell University

2010 – 2013 ***Faculty Research Fellow***
Survey Research Center, Institute for Social Research
University of Michigan

2008-2009 ***Research Associate (post-doctoral fellow)***
The Methodology Center
Pennsylvania State University

2004-2008 ***Data Analyst***
Statistics Lab, School of Industrial Engineering and Management, Technion: Israel Institute of Technology

2003-2005 ***Project Coordinator***
Haifa-Boston Leadership Foundation
Haifa, Israel

2002-2004 ***Project Coordinator***
Substance Abuse Prevention Institute
Haifa, Israel

2000-2002 ***Project Coordinator***
The Unit of Academic Planning and Evaluation
Haifa University, Haifa, Israel

RECOGNITIONS AND AWARDS

2025 Collegiate Research Professorship Award, Office of the Vice President for Research, University of Michigan

2024 Member, College on Problems of Drug Dependence

2020 Michigan Institute for Data Science Reproducibility Challenge Award: Translating Strategies for Promoting Engagement in Mobile Health: A Micro-randomized Feasibility Trial

2017 University of Michigan Research Faculty Recognition Award

2015 Outstanding Reviewer Award; Academy of Management: Academy of Management Discoveries.

2007 Best Dissertation Award; Academy of Management: Human Resource / SHRM Foundation

2002 Cum Laude for graduate students, Haifa University, Haifa, Israel.

2001 Cum Laude for graduate students, Haifa University, Haifa, Israel.

GRANTS

2026 **P50 DA054039 (NIH/NIDA),** 9/26 - 5/31; $13.49M
Methodologies for Adapting and Personalizing Services for SUD (MAPS 2.0)
PI: Nahum-Shani/Collins/Murphy
Role: Center Director; Contact PI

R01 MH144636 (NIH/NIMH), 6/26 - 3/31; $270,266
An adaptive parent-mediated intervention to improve outcomes for autistic children
PI: Dai/Zuckerman
Role: Co-Investigator

2025 **R25 CA291583 (NIH/NCI)**, 8/25-7/30, $1,475,701
Comprehensive Training in Methods for Adapting and Personalizing Cancer Control Interventions
PI: Nahum-Shani/Frise
Role: Program Director; Contact PI

R01 MH139512 (NIH/NIMH), 8/25-7/29, $2,811,727
Optimizing the Integration Between Human and Digital Support in a Meditation App for Depression and Anxiety
PI: Goldberg/Davidson/Nahum-Shani,
Role: MPI

R03 DA064276 (NIH/NIDA), 7/25-6/27, $468,000
JustIn: An Open Source Software Platform and Community to Accelerate Adaptive Mobile Intervention Research
PI: Newman
Role: Co-Investigator

2024 **R01DA058996 (NIH/NIDA)**, 5/24-2/29; $2,474,085
Novel Methods to Inform mHealth Interventions for Substance Use
PI: Ertefaie/Nahum-Shani
Role: MPI

HT94252411026 (DoD), 8/24-8/28; $2,400,000
Changing the Treatment Course: Clinical Trial of Sequenced Interventions to Optimize Treatment for Veterans with PTSD
PI: LoSavio/Sripada
Role: Co-Investigator

a2 Pilot Award in AI and technology (NIH/NIA); 4/24-3/25; $285,000
A Digital Dyadic Coach to Promote Oral Health Self-Care in Older Adults
PI: Nahum-Shani/Murphy/Shetty
Role: Contact PI

R01 GM15254901 (NIH/NIGMS), 3/24-11/27; $1,223,984
Leveraging ML algorithms and data integration techniques to improve efficiency of causal moderation analyses of micro-randomized trial data.
PI: Dempsey
Role: Co-Investigator

R34MH13305701 (NIH/NIMH), 4/2024-2/2027; $702,000
Facilitating effective coping to reduce suicide risk following ED discharge: A micro-randomized trial to develop an adaptive text-based intervention.
PI: Czyz/Horwitz
Role: Co-Investigator

2022 **R324 B220001 (IES),** 7/22 - 6/25; $800,000
Comprehensive Program for Adaptive Interventions Training in Education Sciences
PI: Almirall/Nahum-Shani
Role: MPI

U01 CA229437-04S1 (NIH/NCI), 9/2020-8/2021; $100,000
Supplement to 'novel use of mHealth data to identify states of vulnerability and receptivity to JITAIs.
PI: Nahum-Shani/Wetter
Role: Contact PI

2021 **P50 DA054039 (NIH/NIDA),** 9/21 - 6/26; $13.2M
Center for Methodologies for Adapting and Personalizing Prevention, Treatment and Recovery Services for SUD and HIV (MAPS Center)
PI: Nahum-Shani/Almirall/Collins/Murphy
Role: Center Director; Contact PI

R01 AA027994 (NIH/NIAAA), 4/2021 - 3/2026; $518,547
Evaluation and optimization of a just-in-time messaging intervention to reduce alcohol-facilitated intimate partner violence perpetration among at-risk young adult men and women.
PI: Stappenbeck
Role: Co-Investigator (Site PI)

R01 MH126871 (NIH/NIMH), 7/2021 - 6/2026; $151,030
Adaptive intervention to prevent adolescent suicidal behavior following psychiatric hospitalization: A Sequential Multiple Assignment Randomized Trial.
PI: Czyz
Role: Co-Investigator

R01 HD103904 (NIH/NICHD), 7/2021 - 6/2026; $191,660
mHealth-based just-in-time adaptive intervention to improve physical activity levels of individuals with spinal cord injury.
PI: Hiremath
Role: Co-Investigator (Site PI)

R01 MH125857 (NIH/NIMH), 12/2021 - 11/2026; $129,463
Testing adaptive interventions to improve PTSD treatment outcomes in federally qualified health centers.
PI: Sripada
Role: Co-Investigator

P01 AA029547 (NIH/NIAAA), 6/2021 - 5/2026; $419,425
SHARE Program: Innovations in translational behavioral science to improve self-management of alcohol and HIV in adolescents and emerging adults.
PI: Naar
Role: Co-Investigator (Site PI)

U01 CE003382 (CDC), 9/2021 - 9/2026; $86,659
Michigan Youth Violence Prevention Center (YVPC): Building evidence for gun violence prevention.
PI: Zimmerman
Role: Co-Investigator

2020 **R01 DA039901 (NIH/NIDA),** 9/15 - 5/25; $2,913,828
Novel methods for intensive longitudinal data in SMART studies of drug use and HIV.
PI: Nahum-Shani/Almirall
Role: Contact PI

R34 MH124767 (NIH/NIMH), 9/2020 - 8/2023; $702,000
Developing text-based support for parents of suicidal adolescents after emergency department visits: A multi-component intervention pilot.
PI: Czyz
Role: Co-Investigator

U01 CA229437-03S1 (NIH/NCI), 9/2020-8/2021; $214,062

Supplement to 'novel use of mHealth data to identify states of vulnerability and receptivity to JITAIs'.
PI: Nahum-Shani/Wetter
Role: Contact PI

2019 **UG3 DE028723 (NIH/NIDCR),** 4/19 - 3/25; $623,644
Personalized digital behavior change interventions to promote oral health. PI: Shetty
Role: Co-Investigator (Site PI)

R01 CA224537 (NIH/NCI), 1/19 - 12/22; $281,166
Affective science and smoking cessation: Real-time, real-world assessment.
PI: Lam
Role: Co-Investigator (Site PI)

Redleaf Foundation, 6/19 - 6/20; $26,996
The utility and feasibility of mobile technology in prevention interventions to promote child and family mental health: A Demonstration and feasibility project among military families.
PI: Gewirtz
Role: Co-Investigator (Site PI).

U01 CA229437 (NIH/NCI), 9/18 - 8/22; $2,535,251
Novel use of mHealth data to identify states of vulnerability and receptivity to JITAIs.
PI: Nahum-Shani/Wetter
Role: Contact PI

R01 AA026574 (NIH/NIAAA), 9/18 - 8/21; $463,478
An adaptive preventive intervention (API) to optimize the transition from universal to indicated resources for college student alcohol use.
PI: Patrick
Role: Co-Investigator

PCS 2017C2-7613 (PCORI), 10/18 - 9/20; $35,840
Multi-level interventions for increasing tobacco cessation at FQHCs.
PI: Wetter
Role: Co-Investigator (Site PI)

MICHR Accelerating Synergy, 9/2018 - 8/2019; $100,000
Center for adaptive interventions for prevention/intervention for youth substance abuse.
PI: Walton/Nahum-Shani
Role: MPI

R324 B180003 (IES), 7/18 - 6/21; $438,479
Getting SMART about adaptive interventions in education.
PI: Almirall/Nahum-Shani
Role: MPI

2016 **R01 DK108678 (NIH/NIDDK),** 3/16 - 2/21; $179,077
SMART weight loss management.
PI: Spring/Nahum-Shani
Role: MPI

2015 **R01 DA039901 (NIH/NIDA),** 9/15 - 7/20; $3,051,515
Novel longitudinal methods for SMART studies of drug abuse and HIV.
PI: Nahum-Shani/Almirall
Role: Contact PI

P50 DA039838 (NIH/NIDA), 9/15 - 8/20; $2,497,042
Innovative methods for constructing just-in-time adaptive interventions.
PI: Collins; Project Lead: Murphy
Role: Co-Investigator

R01 AA023187 (NIH/NIAAA), 9/15 - 8/20; $2,922,274
Data-based methods for just-in-time adaptive interventions in alcohol use.
PI: Murphy
Role: Co-Investigator.

2014 **P50 DA10075 (NIH/NIDA) Pilot Study Funding**
Developing just in time adaptive interventions for promoting mental health among college students.
PI: Collins
Role: Pilot Study PI

U54 EB020404 (NIH), 9/14 - 9/20; $618,351
Center of excellence on mobile sensor data-to-knowledge (MD2K).
PI: Kumar
Role: Co-Investigator

R01 MH103244 (NIH/NIMH), 4/14 - 3/19; $3,104,133
Electronic bridge to mental health (eBridge) for college students.
PI: King
Role: Co-Investigator.

2013 **UM Global Challenges for the Third Century, Phase I,** 06/13 - 05/14; $251,000
Engaging the student community to develop a universal, video-based mental health intervention for young people.
PI: Eisenberg
Role: Co-Investigator

R01 AA022113 (NIH/NIAAA), 11/13 - 10/18; $379,628
The college-to-work transition & alcohol misuse.
PI: Bacharach
Role: Co-Investigator (Site PI).

Blue Cross Blue Shield of Michigan Foundation Award, 07/13 - 12/14; $74,934
Online innovative video-based intervention.
PI: Eisenberg
Role: Co-Investigator

RC1 AA019092 (NIH/NIAAA), $61,657
Statistical methods for sequential treatment decisions in alcoholism.
PI: Lynch
Role: Co-Investigator (Site PI).

University of Michigan's Interdisciplinary Committee on Organizational Studies (ICOS); Small Grant, $8,000
Aggression in healthcare organizations
PI: Nahum-Shani
Role: PI

Mcubed University of Michigan, 01/13 - 08/14; $60,000
Developing real-time adaptive interventions using mobile technology.
Role: MPI.

2008 **P50 DA10075 (NIH/NIDA) Pilot Study Funding,**
Conceptual and methodological framework for understanding help-seeking dynamics.
PI: Collins
Role: Pilot Study PI

PUBLICATIONS

Δ Joint first authorship
***** Student/Mentored research
****** Senior author
******* Senior and corresponding author

1. **Nahum-Shani, I.**, Collins, L.M., Revenson, T.A. (in press). Intervention optimization: Building more impactful behavioral and biobehavioral interventions. *Annals of Behavioral Medicine.*
2. Goldberg, S. B.,* Yoon, C., Xie, Q., Yu, Q., Williams, M. P., & **Nahum-Shani, I.**** (in press). An organizing framework for guiding the design of just-in-time adaptive interventions to promote engagement. Annals of Behavioral Medicine.
3. Gazi, A.H.,* Ghosh, S., Guo, Y., **Nahum-Shani, I.**, & Murphy, S.A. (in press). Key Concepts in Online Learning and Decision Making for Personalizing Just-in-Time Adaptive Interventions (pJITAIs). Annals of Behavioral Medicine.
4. Collins, L.M., & **Nahum-Shani, I.** (in press). Intervention Optimization and the NIH Stage Model: Partner Frameworks for Creating High-Impact Interventions. Annals of Behavioral Medicine.
5. Yap, J.,* **Nahum-Shani, I.,** & Dziak, J. J. (in press). Tradeoffs in Design and Sample Size Planning for Trials with Sequential Randomization. Annals of Behavioral Medicine.
6. Dziak, J. J. & **Nahum-Shani, I.**** (in press). Constructing Evidence-Based Tailoring Variables for Adaptive Interventions. *Annals of Behavioral Medicine.*
7. Raab, G.,* Bowen, Z., Shea, S., Shani, G., Rozwadowski, M., Murphy, S. A., **Nahum-Shani, I.**, ... & Choi, S. W. (2026). Exploring Strategies for a Digital Tool to Support Medication Adherence Among Adolescents and Young Adults Undergoing Hematopoietic Stem Cell Transplant and Their Care Partners: Qualitative Formative Study. *JMIR Formative Research*, *10*(1), e82356.
8. Stanger, C., **Nahum-Shani, I.**, Kowatsch, T., & Lim-Liberty, F. (2026). Financial incentives and health coaching to improve glycemic outcomes among young adults with type 1 diabetes: A factorial randomized trial (SweetGoals). *Diabetes Research and Clinical Practice*, 113495.

9. Walton, M., **Nahum-Shani, I.**,ᴬ Campbell, M., Tomlinson, D. C., Florimbio, A. R., Ghosh, S., ... & Coughlin, L. N. (2026). Mobile intervention for emerging adults with regular cannabis use: a micro-randomized trial. *The Lancet Regional Health–Americas*, *61*.
10. Yu, Q.,* Potter, L. N., Yoon, C., Yap, J. R., Dziak, J. J., Jones, D. R., ... & **Nahum-Shani, I.**** (2026). Antecedents and consequences of different indicators of engagement with a digital intervention for tobacco cessation. *npj Digital Medicine*.
11. Trella, A. L., Ghosh, S., Bonar, E. E., Coughlin, L., Doshi-Velez, F., Guo, Y., Hung, P.Y., **Nahum-Shani, I.**, ... & Murphy, S. A. (2026). Effective monitoring of online AI decision-making algorithms in just-in-time adaptive interventions. *npj Digital Medicine*.
12. Tomlinson, D. C.,* Bonar, E. E., Walton, M. A., Lin, L. A., **Nahum-Shani, I.**, Jannausch, M., & Coughlin, L. N. (2026). Daily assessments of behavioral economic indices and drinking among rural-residing adults with at-risk drinking. *Journal of the Experimental Analysis of Behavior*, *126*(2), e70141.
13. Edelman, E. J., Deng, Y., Dziura, J., **Nahum-Shani, I.**, Weiss, J. M., Aoun-Barakat, L., ... & Bernstein, S. L. (2026). Clinical Pharmacists, Medications, and Contingency Management for Targeting Smoking in HIV Clinics: A Randomized Clinical Trial. *JAMA Network Open*, *9*(2), e2560593.
14. Tomlinson, D. C.,* Bonar, E. E., Zimmermann, L., Fernandez, A., Tzilos Wernette, G., **Nahum-Shani, I.**, & Coughlin, L. N. (2026). Acceptability and feasibility of a mobile health program for smoking cessation in low-resource populations. *Experimental and Clinical Psychopharmacology*.
15. Zhang, S.,* Dziak, J. J., Tomlinson, D. C., & **Nahum-Shani, I.*** ** (2026). Experimental designs with repeated randomizations for optimizing adaptive interventions: guidelines and practical considerations. *Annals of Behavioral Medicine*, *60*(1), kaag006.
16. **Nahum-Shani, I.**, & Murphy, S.A. (2026). Just-in-Time Adaptive Interventions: Where are we now and what is next? *Annual Review of Psychology, 77*, 679-703.
17. Ghosh, S.,* Hung, P. Y., Bonar, E. E., Coughlin, L. N., Guo, Y., **Nahum-Shani, I.**, ... & Murphy, S. A. (2025). "It Felt More Real": Investigating the User Experience of the MiWaves Personalizing JITAI Pilot Study. In *International Conference on Pervasive Computing Technologies for Healthcare* (pp. 230-241). Cham: Springer Nature Switzerland.
18. Xie, Q.,* Amo, V., **Nahum-Shani, I.**, & Goldberg, S. B. (2025). Using Digital Technology to Increase Integration of Meditation into Daily Life: The Case for Meditation-Based Ecological Momentary Interventions. *Journal of Technology in Behavioral Science*.
19. Abbott, M.R.,* Dempsey, W.,* **Nahum-Shani, I.**, Lam, C.Y., Wetter, D.W., & Taylor, J.M.G. (2025). A Continuous-Time Dynamic Factor Model for Intensive Longitudinal Data Arising from Mobile Health Studies. *Psychometrika, 90*(3), 1175 - 1196.
20. Huch, E.,* **Nahum-Shani, I.**, Potter, L.N., Lam, C.Y., Wetter, D.W., & Dempsey, W.* (2025). Data integration methods for micro-randomized trials. *Biometrics, 81*(2), ujaf002.
21. Abbott, M.R.,* Dempsey, W.,* **Nahum-Shani, I.**, Potter, L.N., Lam, C.Y., Wetter, D.W., & Taylor, J.M.G. (2025). A Bayesian joint longitudinal-survival model with a latent stochastic process for intensive longitudinal data. *Biometrics, 81*(2), ujaf052.
22. Zhang, S.,* Dziak, J. J., Benson, L., Yap, J. R., Jones, D. R., Lam, C. Y., ... & **Nahum-Shani, I.**** (2025). Missing Data in Microrandomized Trials: Challenges and Opportunities. *Behavior Research Methods*, *57*(12), 344.

23. Czyz, E. K.,* **Nahum-Shani, I.**, Ewell Foster, C., Micol, V. J., Jiang, A., Al-Dajani, N., Arango, A., Walton, M., Hong, V., Ahamed, S. I., & King, C. A., (2025). Building toward a text-based intervention for parents of suicidal adolescents seeking emergency department care: A pilot randomized controlled trial. *Journal of Consulting and Clinical Psychology, 93* (5), 382.
24. **Nahum-Shani, I.**, Yap, R.T.J.,* Bamberger, P.A., Wang, M., Larimer, M.E., & Bacharach, S.B. (2025). How and when do work stressors and peer norms impact career entrants' alcohol-related behavior and its consequences? *Human Relations*, *78*(11), 1345.
25. Trella, A. L., Zhang, K. W., Jajal, H., **Nahum-Shani, I.**, Shetty, V., Doshi-Velez, F., & Murphy, S. A. (2025). A Deployed Online Reinforcement Learning Algorithm in an Oral Health Clinical Trial. *Proceedings of the AAAI Conference on Artificial Intelligence*, *39*(28), 28792-28800.
26. Goldberg, S. B.,* Kendall, A. D., Hirshberg, M. J., Dahl, C. J**., Nahum-Shani, I.**, Davidson, R. J., & Bray, B. C. (2025). Is dosage of a meditation app associated with changes in psychological distress? It depends on how you ask. *Clinical Psychological Science*, *13*(2), 332-349.
27. Furukawa, T. A., Tajika, A., Toyomoto, R., Sakata, M., Luo, Y., Horikoshi, M., Akechi, T., Kawakami, N., Nakayama, T., Kondo, N., Fukuma, S., Kessler, R.C., Christensen, H., Whitton, A., **Nahum-Shani, I.**, Lutz, W., Cuijpers, P., Wason, J.M.S. & Noma, H. (2025). Cognitive behavioral therapy skills via a smartphone app for subthreshold depression among adults in the community: the RESiLIENT randomized controlled trial. *Nature Medicine*, 1-10.
28. Davis Ewart, L., Larson, M. E., Ghanooni, D., Verhagen, R., Manuel, J., McCollister, K., Fardone, E., DeVries, B., Dilworth, S., Blackstock, M., Doblecki-Lewis, S., **Nahum-Shani, I.**, Grov, C., & Carrico, A. W.* (2025). Getting to yes: Pilot SMART of motivational enhancement interventions targeting pre-exposure prophylaxis use in sexual minority men. *Health Psychology*, *44*(3), 310.
29. Potter, L.N.,* Jones, D.R.,* Schlechter, C.R., **Nahum-Shani, I.**, Lam, C.Y., Fagundes, C., & Wetter, D.W. Examining acute precipitants of tobacco lapse in African American smokers attempting to quit. (2025). *Addictive Behaviors*, *162*, 108231.
30. Potter, L.N.,* Jones, D.R.,* Braudt, D., **Nahum-Shani, I.**, Lam, C.Y., & Wetter, D.W. Correlates of nicotine replacement therapy use in daily life. (2025). *Drug and Alcohol Dependence*, *266*, 112499.
31. Jones, D.R.,* Potter, L.N.,* Lam, C.Y., **Nahum-Shani, I.**, Fagundes, C., & Wetter, D.W. (2025). Examining bi-directional associations between distinct affective states and tobacco lapse. *Drug and Alcohol Dependence, 267,* 112526.
32. Ghosh, R.,* Chakraborty, B., **Nahum-Shani, I.**, Patrick, M.E., & Ghosh, P.* (2024). Optimal adaptive SMART designs with binary outcomes. *Biometrics*, *80*(4), ujae140.
33. Bamberger, P.A., Wang, M., Larimer, M., & **Nahum-Shani, I.** (in press). Organizational on-boarding practices and shifts in alcohol misuse among at-risk college recruits. The International Journal of Human Resource Management.
34. Stanger. C., Anderson, A.B.M., Xie, H., Nnaka, T., Budney, J.A., Qian, T., Yap, R.T.J., & **Nahum-Shani. I.**** (2025). Momentary mindfulness vs. distraction coping messages to reduce cannabis craving among young adults: A microrandomized trial. *Psychology of Addictive Behaviors*, *39*(2), 200–211.
35. Abbott, M.R.,* **Nahum-Shani, I.**, Lam, C.Y., Potter, L.N., Wetter, D.W., & Dempsey, W.H. (2024). A latent variable approach to jointly modeling longitudinal and cumulative event data using a weighted two-stage method. *Statistics in Medicine 43*(21), 4163-4177.

36. Coughlin, L. N.,* Campbell, M., Wheeler, T., Rodriguez, C., Florimbio, A. R., Ghosh, S., ... & **Nahum-Shani, I.**** (2024). A mobile health intervention for emerging adults with regular cannabis use: A micro-randomized pilot trial design protocol. *Contemporary Clinical Trials*, 107667.
37. **Nahum-Shani, I.**, & Yoon, C. (2024). Towards the science of engagement with digital interventions. *Current Directions in Psychological Science, 33(4),* 239-246.
38. Ghosh, S., Guo, Y., Hung, P., Coughlin, L., Bonar, E., **Nahum-Shani, I.**, Walton, M., & Murphy, S. (2024). ReBandit: random effects based online RL algorithm for reducing cannabis use. *IJCAI '24: Proceedings of the Thirty-Third International Joint Conference on Artificial Intelligence. 805*, 7278-7286.
39. Jones, D.R.,* Potter, L.N.,* Schlechter, C.R., Lam, C.Y., **Nahum-Shani, I.**, Fagundes, C., & Wetter, D.W. (2024). Examining associations between distinct emotions and tobacco lapse during a quit attempt among African American smokers. *Annals of Behavioral Medicine, 58*(7), 506–516.
40. Xie, Q.*, Riordan, K.M., Baldwin, S.A., Simonsson, O., Hirshberg, M.J., Dahl, C. J., **Nahum-Shani, I.**, Davidson, R.J., & Goldberg, S.B.* (2024). Is informal practice associated with outcomes in loving-kindness and compassion training? Evidence from pre-post and daily diary assessments. *Behaviour Research and Therapy*, 177, 104537.
41. Bayrakdarian, N.D., Bonar, E.E., Duguid, I., Hellman, L., Salino, S., Wilkins, C., Jannausch, M., McKay, J.R., Staton, M., Dollard, K., **Nahum-Shani, I.**, Walton, M.A., Blow, F.C., & Coughlin, L.N.* (2024). Acceptability and feasibility of a mobile behavioral economic health intervention to reduce alcohol use in adults in rural areas. *Drug and Alcohol Dependence Reports, 11,* 100225.
42. **Nahum-Shani, I.**, Greer, Z.M., Trella, A.L., Zhang, K.W., Carpenter, S.M., Ruenger, D., Elashoff, D., Murphy, S.A., Shetty, V. (2024). Optimizing an adaptive digital oral health intervention for promoting oral self-care behaviors: Micro-randomized trial protocol. *Contemporary Clinical Trials, 139,* 107464.
43. Spring, B., Pfammatter, A.F., Scanlan, L., Daly, E., Reading, J., Battalio, S., McFadden, G., Hedeker, D., Siddique, J., **Nahum-Shani, I.**** (2024). Adaptive behavioral intervention for weight loss management: A non-inferiority randomized clinical trial. *JAMA, 332*(1), 21–30
44. Xie, Q.,* Dyer, R. L., Lam. S., Frye, C., Dahl, C. J., Quanbeck, A., **Nahum-Shani, I.**, Davidson, R. J., & Goldberg, S.B.* (2024). Understanding the implementation of informal meditation practice in a smartphone-based intervention: A qualitative analysis. *Mindfulness, 15*(2), 479-490.
45. Carey, R.L.,* Le, H., Coffman, D. L., **Nahum-Shani, I.**, Thirumalai, M., Hagen, C., ... & Hiremath, S. V.* (2024). mHealth-based just-in-time adaptive intervention to improve the physical activity levels of individuals with spinal cord injury: Protocol for a randomized controlled trial. *JMIR Research Protocols*, *13*(1), e57699.
46. Dziak, J. J., Almirall, D., Dempsey, W., Stanger, C., & **Nahum-Shani, I.**** (2024). SMART binary: New sample size planning resources for SMART studies with binary outcome measurements. *Multivariate Behavioral Research, 59*(1), 1-16
47. Collins, L.M., **Nahum-Shani, I.** Guastaferro, K., Strayhorn, J.C., Vanness, D.J., & Murphy, S.A. (2024). Intervention optimization: A paradigm shift and its potential implications for clinical psychology. *Annual Review of Clinical Psychology*. DOI: 10.1146/annurev-clinpsy-080822-051119

48. Potter, L. N.,* **Nahum-Shani, I.**, & Wetter, D.W. (2023). Editorial: Digital technology for tobacco control: Novel data collection, study designs, and interventions. *Frontiers in Digital Health, 5,* 1341759.
49. Schlechter, C.R., Del Fiol, G., Jones, D.R., Orleans, B., Gibson, B., **Nahum-Shani, I.**, Maxfield, E., Locke, A., Cornia, R., Bradshaw, R., Wirth, J., Jaggers, S. J., Lam, C.Y., & Wetter, D.W. (2023). Increasing the reach of evidence-based interventions for weight management and diabetes prevention among Medicaid patients: study protocol for a pilot Sequential Multiple Assignment Randomised Trial. *BMJ open*, *13*(11), e075157.
50. Carpenter, S.M.,* Greer, Z.M., Newman, R., Murphy, S.A., Shetty, V., & **Nahum-Shani, I.**** (2023). Developing message strategies to engage racial and ethnic minority groups in digital oral self-care interventions: A participatory co-design approach. *JMIR Formative Research, 7*(1), e49179
51. **Nahum-Shani, I.**, & Naar, S. (2023). Digital adaptive behavioral interventions to improve HIV prevention and care: Innovations in intervention approach and experimental design. *Current HIV/AIDS Reports*.
52. Sripada, R.K., Peterson, C.L., Dziak, J.J., **Nahum-Shani, I.**, Roberge, E.M., Martinson, A.A., ... & Chard, K. (2023). Using the multiphase optimization strategy to adapt cognitive processing therapy (CPT MOST): study protocol for a randomized controlled factorial experiment. *Trials, 24*(1), 676.
53. Ji, L., Li, Y., Potter, L.N., Lam, C.Y., **Nahum-Shani, I.**, Wetter, D.W., & Chow, S.M. (2023). Multiple imputation of missing data in multilevel ecological momentary assessments: an example using smoking cessation study data. *Frontiers in Digital Health*, *5*, 1099517.
54. Davis-Ewart, L., Grov, C., Verhagen, R., Manuel, J., Viamonte, M., Dilworth, S., O'Dell, N., Valentin, O., Carr, S., Cherenack, E., Henderson, C., Doblecki-Lewis, S., **Nahum-Shani, I.**, & Carrico, A. W. (2023). Motivational Enhancement Interventions to Increase Pre-Exposure Prophylaxis Use in Sexual Minority Men Who Use Stimulants: Protocol for a Pilot Sequential Multiple Assignment Randomized Trial. JMIR Research Protocols, 12(1), e48459.
55. Cadmus-Bertram, L.,* Solk, P., Agnew, M., Starikovsky, J., Schmidt, C., Morelli, W.A., Hodgson, V., Freeman, H., Muller, L., Mishory, A., Naxi, S., Carden, L., Tevaarwerk, A.J., Wolter, M., Barber, E., Spencer, R., Sesto, M.E., Gradishar, W., Gangnon, R., Spring, B., **Nahum-Shani, I.**, & Phillip, S.M.,* (2023). A multi-site trial of an electronic health integrated physical activity promotion intervention in breast and endometrial cancers survivors: MyActivity study protocol. *Contemporary Clinical Trials*, 130, 107187.
56. Chow, S-M., **Nahum-Shani, I.,** Baker, J. T., Spruijt-Metz, D., Allen, N.B., Auerbach, R.P., Dunton, G. F., Friedman, N.P., Intille, S., Klasnja, P., Marlin, B., Nock, M.K., Rauch, S.L., Pavel, M., Vrieze, S., Wetter, D.W., Kleiman, E.M., Brick, T.R., Perry, H., Wolff-Hughes, D.L. & Intensive Longitudinal Health Behavior Network (ILHBN) (2023). The Intensive Longitudinal Health Behavior Network (ILHBN): Challenges, opportunities, and solutions from harmonizing data under heterogeneous study designs, target populations, and measurement protocols. *Translational Behavioral Medicine, 13*(1), 7-16.
57. Czyz, E. K., King, C. A., Al-Dajani, N., Zimmermann, L., Hong, V., & **Nahum-Shani, I.*** (2023). Ecological momentary assessments and passive sensing in the prediction of short-term suicidal ideation in young adults. *JAMA Network Open, 6*(8), e2328005-e2328005.

58. Czyz, E.K.,* Koo, H.J.,* Al-Dajani, N.,* King, C.A., & **Nahum-Shani, I.**** (2023). Predicting short-term suicidal thoughts in adolescents using machine learning: Developing decision tools to identify daily-level risk after hospitalization. *Psychological Medicine, 53*(7), 2982-2991.
59. Davis-Ewart, L., Grov, C., Verhagen, R., Manuel, J., Viamonte, M., Dilworth, S., Valentin, O., Cherenack, E.M., Carr, S., Doblecki-Lewis, S., **Nahum-Shani, I.**, & Carrico, W.A. (2023). Randomized controlled trial of motivational enhancement interventions to increase pre-exposure prophylaxis use in sexual minority men who use stimulants. *Research Square*. https://doi.org/10.21203/rs.3.rs-2787003/v1
60. Liu, S., Bamberger, P.A., & Wang, M., **Nahum-Shani, I.**, Larimer, M., Bacharach, S. (2023). Behavior change versus stability during the college-to-work transition: Life course and the "stickiness" of alcohol misuse at career entry. *Personnel Psychology, 76*(3), 945-975.
61. Montal-Rosenberg, R., Bamberger, P. A., **Nahum-Shani, I.**, Wang, M., Larimer, M., & Bacharach, S. B. (2023). Supervisor undermining, social isolation and subordinates' problematic drinking: The role of depression and perceived drinking norms. *Journal of Drug Issues, 53*(1), 37-60.
62. **Nahum-Shani, I.**, Dziak. J.J., Venera., H.,* Pfammatte, A.F., Spring, B., & Dempsey, W. (2023). Design of experiments with sequential randomizations on multiple timescales: The hybrid experimental design. *Behavior Research Methods*.
63. Potter, L. N.,* Schlechter, C. R.,* **Nahum-Shani, I.**, Lam, C. Y., Cinciripini, P. M., & Wetter, D. W. (2023). Socio-economic status moderates within-person associations of risk factors and smoking lapse in daily life. Addiction, 118(5), 925-934.
64. Potter, N.L.,* Yap, J.,* Dempsey, H.W., Wetter, W.D., & **Inbal Nahum Shani**** (2023). Integrating intensive longitudinal data (ILD) to inform the development of dynamic theories of behavior change and intervention design: A case study of scientific and practical considerations. *Prevention Science*. https://doi.org/10.1007/s11121-023-01495-4
65. Sobolev, M.,* Anand, A.,* Dziak, J.J., Potter, N.L., Lam, Y.C., Wetter, W.D., & **Nahum-Shani, I.**** (2023). Time-varying model of engagement with digital self reporting: Evidence from smoking cessation longitudinal studies. *Frontiers in Digital Health, 5,* 1144081.
66. Sripada R,K.,* Smith, K., Walters, H.M., Ganoczy, D., Kim, H.M., Grau, P.P., **Nahum-Shani, I.**, Possemato, K.K., Kuhn, E.R., Zivin, K., Pfeiffer, P.N., Bohnert, K.M., Cigrang, J., Avallone, K., & Rauch, S.A.M. (2023). Testing adaptive interventions to improve PTSD treatment outcomes in federally qualified health centers: Protocol for a randomized clinical trial. *Contemporary Clinical Trials, 129*, 107182.
67. Trella, A. L.,* Zhang, K. W., **Nahum-Shani, I.**, Shetty, V., Doshi-Velez, F., & Murphy, S. A. (2023). Reward design for an online reinforcement learning algorithm supporting oral self-care. *Proceedings of the AAAI Conference on Artificial Intelligence*, *37*(13), 15724-15730.
68. Yap, J.,* Dziak, J.J., Maiti, R.,* Lynch, K., McKay, J., Chakraborty, B., & **Nahum-Shani, I.**** (2023). Sample size estimation for comparing dynamic treatment regimens in a SMART: a Monte Carlo-based approach and case study with longitudinal overdispersed count outcomes. *Statistical Methods in Medical Research*, *32(7)*, 1267-1283.
69. Anderson, M.A.,* Budney, A.J., Jacobson, N.C., **Nahum-Shani, I.**, & Stanger, C. (2022). End user participation in the development of an ecological momentary intervention to improve coping with cannabis cravings: Formative study. *JMIR Formative Research, 6*(12), e40139.

70. Carpenter, S.M.,* Yap, J., Patrick, M.E., Morrell, N., Dziak, J.J., Almirall, D., Yoon, C., & **Nahum-Shani, I.*** ** (2022). Self-relevant appeals to engage in self-monitoring of alcohol use: A micro-randomized trial (2022). *Psychology of Addictive Behaviors, 37*(3), 434–446.
71. Coughlin, L.N.,* Bonar, E.E., Walton, M.A., Fernandez, A., Duguid, I. & **Nahum-Shani, I.**** (2022). New directions for motivational incentive interventions for smoking cessation. *Frontiers in Digital Health*, *4*, 803301.
72. Horwitz, A.,* Czyz, E.,* Al-Dajani, N.,* Dempsey, W., Zhao, Z., **Nahum-Shani, I.**, & Sen, S. (2022). Utilizing daily mood diaries and wearable sensor data to predict depression and suicidal ideation among medical interns. *Journal of Affective Disorders, 313*(15), 1-7.
73. Militello, L., Sobolev, M.,* Okeke, F.,* Adler, D.A., & **Nahum-Shani, I.**** (2022). Digital prompts to increase engagement with the headspace app and for stress regulation among parents: Feasibility study. *JMIR Formative Research, 6*(3), e30606.
74. **Nahum-Shani, I.**, Dziak, J.J., Walton, M.A., Dempsey, W. (2022). Hybrid experimental designs for intervention development: What, why and how. *Advances in Methods and Practices in Psychological Science, 5*(3).
75. **Nahum-Shani, I.**, Dziak, J.J., & Wetter, D.W. (2022). MCMTC: A pragmatic framework for selecting an experimental design to inform the development of digital interventions. *Frontiers in Digital Health, 4,* 798025.
76. **Nahum-Shani, I.**, Shaw, S.,* Carpenter, S.,* M., Murphy, S. A., & Yoon C. (2022). Engagement in digital interventions. *American Psychologist*. Advance online publication.
77. Ullah, M.A.,* Chatterjee, S.,* Fagundes, C.P., Lam, C., **Nahum-Shani, I.**, Rehg, J.M., Wetter, D.W., Kumar, S. (2022). mRisk: Continuous risk estimation for smoking lapse from noisy sensor data with incomplete and positive-only labels. *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies, 6*(3), 1–29.
78. Trella, A.L.,* Zhang, K.W., **Nahum-Shani, I.**, Shetty, V., Doshi-Veles, F., Murphy, S.A. (2022). Designing reinforcement learning algorithms for digital interventions: Pre-implementation guidelines. *Algorithms, 15*(8), 255; https://doi.org/10.3390/a15080255
79. Qian, T.,* Walton, A.E.,* Collins, L.M., Klasnja, P., Lanza, S.T., **Nahum-Shani, I.**, Rabbi, M., Russell, M.A., Walton, M.A., Yoo, H., Murphy, S.A., (2022). The micro-randomized trial for developing digital interventions: Experimental design and data analysis considerations. *Psychological Methods, 27*(5), 874–894.
80. Battalio, S.,* Conroy, D.E., Dempsey, W., Menictas, M.,* Murphy, S.A., **Nahum-Shani, I.**, Qian, T.,* Kumar, S., & Spring, B. (2021). Sense2Stop: A Micro-randomized trial using wearable sensors to optimize a just-in-time-adaptive stress management intervention for smoking relapse prevention. *Contemporary Clinical Trials, 109,* 106534*.*
81. Coughlin, L.,* **Nahum-Shani, I.**, Bonar, E.E., Philyaw-Kotov, M., Rabbi, M. Klasnja, P., & Walton, M.A., (2021). Toward a JITAI to reduce young adult alcohol use: Testing approaches for identifying when to intervene. *Substance Use & Misuse, 54*(14), 2115-2125.
82. Coughlin, L.N.,* **Nahum-Shani, I.**, Kotov, M., Bonar, E.E., Rabbi, M., Klasnja, P., Murphy, S.A., & Walton, M.A., (2021). Developing an adaptive intervention for substance use prevention among adolescents and emerging adults: Feasibility and acceptability of a mobile health app. *JMIR mHealth and uHealth, 9*(1), e24424.

83. Czyz, E.K.,* King, C.A., Prouty, D., Micol, V.J., Walton, M., & **Nahum-Shani, I.**** (2021). Adaptive intervention for prevention of adolescent suicidal behavior after hospitalization: A pilot sequential multiple assignment randomized Trial. *Journal of Child Psychology and Psychiatry, 62*(8), 1019-1031.
84. Gibson, B., Kramer, H., Weir, C., Fiol, G., Borbolla, D., Schlechter, C.R., Lam, C., Nelson, M., Bohner, C., Schulthies, S., Sieperas, T., Pruhs, A., **Nahum-Shani, I.**, Fernandez, M.E., & Wetter, D.W. (2021). Workflow analysis for design of an electronic health record-based tobacco cessation intervention in community health centers. JAMIA Open, ooaa070, https://doi.org/10.1093/jamiaopen/ooaa070.
85. Hojjatinia, S.,* Daly, E., Hnat, T., Hossain, S., Kumar, S., Lagoa, C., **Nahum-Shani, I.**, Samiei, S., Spring., & Conroy, D. (2021). Dynamic models of stress-smoking responses based on high-frequency sensor data. *Nature NPJ Digital Medicine, 4*(1), 1-11.
86. **Nahum-Shani, I.**, Potter, L.N.,* Lam, C.Y., Yap, J., Moreno, A., Stoffel, R., Wu, Z., Wan, N., Dempsey, W., Kumar, S., Ertin, E., Murphy, S.A., Rehg, J.M., & Wetter, D.W. (2021). The Mobile Assistance for Regulating Smoking (MARS) micro-randomized trial design protocol. *Contemporary Clinical Trials, 110,* 106513.
87. **Nahum-Shani, I.**, Rabbi, M.,* Yap., J. Philyaw-Kotov, M.L., Klasnja, P., Bonar, E.E., Cunningham, R.M., Murphy, S.A., & Walton, M.A., (2021). Translating strategies for promoting engagement in mobile health: A proof-of-concept micro-randomized trial. *Health Psychology, 40*(12), 974–987.
88. Patrick. M.E., Lyden, G.R., Morrell, N., Mehus, C.J., Gunlicks-Stoessel, M., Lee, C.M., King, C.A., Bonar, E.E., **Nahum-Shani, I.**, Almirall, D., Larimer, M.E., & Vock, D.M. (2021). Outcomes of M-Bridge: A sequential multiple assignment randomized trial (SMART) for developing an adaptive preventive intervention for college drinking. *Journal of Consulting and Clinical Psychology, 89* (7), 601-614.
89. Roberts. G., Clemens, N., Doabler, C.T., Vaughn, S., Almirall, D., & **Nahum-Shani, I.**** (2021). Multi-tiered systems of support, adaptive interventions and SMART designs. *Exceptional Children, 88(1),* 8-25.
90. Schlechter, C. R.,* Del Fiol, G., Lam, C. Y., Fernandez, M. E., Greene, T., Yack, M., Schulthies, S., Nelson, M., Bohner, C., Pruhs, A., Siaperas, T., Kawamoto, K., Gibson, B., **Nahum-Shani, I.**, Walker, T. J., & Wetter, D. W. (2021). Application of community – engaged dissemination and implementation science to improve health equity. *Preventive Medicine Reports, 24,* 101620.
91. Stanger, C., Kowatsch, T., Xie, H., **Nahum-Shani, I.**, Lim-Liberty, F., Anderson, M., ... Rosenberg, B. (2021). A digital health intervention (SweetGoals) for young adults with type 1 diabetes: Protocol for a factorial randomized trial. *JMIR Research Protocols, 10*(2), e27109.
92. Artman, W.,* **Nahum-Shani, I.** Wu, T., McKay, J., & Ertefaie, A. (2020). Power analysis in a SMART design: Sample size estimation for determining the best embedded dynamic treatment regime. *Biostatistics, 21*(3), 432–448.
93. Carpenter, S.M.,* Menictas, M.,* **Nahum-Shani. I.** Wetter. D.W., Murphy, S.A. (2020). Developments in mobile health just-in-time adaptive interventions for addiction science. *Current Addiction Reports,* 7, 280–290.
94. Czyz, E.K.,* Yap, J., & King, C. A., & **Nahum-Shani, I.**** Using intensive longitudinal data to identify early predictors of suicide-related outcomes in high-risk adolescents: Practical and conceptual considerations (2020). *Assessment.* 1073191120939168.

95. Fernandez, M.E., Schlechter, C.R., Del Fiol, G., Gibson, B., Kawamoto, K., Siaperas, T., Pruhs, A., Greene, T., **Nahum-Shani, I.**, Schulthies, S., Nelson, M., Bohner, C., Kramer, H., Borbolla, D., Austin, S., Weir, C., Walker, T.W., Lam, C, Y., & Wetter, D.W. (2020). QuitSMART Utah: An implementation study protocol for a cluster-randomized, multi-level Sequential Multiple Assignment Randomized Trial to increase reach and impact of tobacco cessation treatment in community health centers. *Implementation Science, 15*(1), 1-13.
96. Ghosh, P.,* **Nahum-Shani, I.**, Spring, B., & Chakraborty, B. (2020). Non-inferiority and equivalence tests in sequential, multiple assignment, randomized trials (SMARTs). *Psychological Methods*, 25(2), 182–205.
97. Moreno, A.,* Wu, Z., Yap, J., Wetter, D. Lam, C., **Nahum-Shani, I.**, Rehg, J. (2020). A functional EM algorithm for panel count data with missing counts. *Proceedings of 2020 Neural Information Processing Systems*, *33,* 19828-19838.
98. **Nahum-Shani, I.,** Almirall, Yap, J.R., D. McKay, J., Lynch, K., Freiheit, E., & Dziak, J.J. (2020). SMART longitudinal analysis: A tutorial for using repeated outcome measures from SMART studies to compare adaptive interventions. *Psychological Methods*, *25*(1), 1–29.
99. Patrick, M. E., Boatman, J. A., Morrell, N., Wagner, A. C., Lyden, G. R., **Nahum-Shani, I.**, King, C. A., Bonar, E. E., Lee, C. M., Larimer, M. E., Vock, D. M., & Almirall, D. (2020). A sequential multiple assignment randomized trial (SMART) protocol for empirically developing an adaptive preventive intervention for college student drinking reduction. *Contemporary Clinical Trials*, 96, 106089.
100. Seewald, J.N.,* Kidwell, M.K., **Nahum-Shani, I.**, Wu, T., McKay, R.J., & Almirall, D. (2020). Sample size considerations for comparing dynamic treatment regimens in a sequential multiple-assignment randomized trial with a continuous longitudinal outcome. *Statistical Methods in Medical Research, 29*(7), 1891-1912.
101. Dziak, J.J. Yap, J.R., Almirall, D. McKay, J., Lynch, K., & **Nahum-Shani, I.**** (2019). A data analysis method for using longitudinal binary outcome data from a SMART to compare adaptive interventions. *Multivariate Behavioral Research, 54*(5), 613-636.
102. Levy, R., Mathai, M., Chatterjee, P., Ongeri, L., Njuguna, S., ... **Nahum-Shani, I.**, McCulloch, C.E., & Meffert, S.M. (2019). Implementation research for public sector mental health care scale-up (SMART-DAPPER): A sequential multiple, assignment randomized trial (SMART) of non-specialist-delivered psychotherapy and/or medication for major depressive disorder and posttraumatic stress disorder (DAPPER) integrated with outpatient care clinics at a county hospital in Kenya. *BMC Psychiatry, 19*(1), 1-14.
103. **Nahum-Shani, I.** & Almirall, D. (2019). An Introduction to Adaptive Interventions and SMART Designs in Education (NCSER 2020-001). U.S. Department of Education. Washington, DC: National Center for Special Education Research. Retrieved from https://ies.ed.gov/ncser/pubs/.
104. **Nahum-Shani, I.,** & Bamberger, P.A. (2019). The lingering effects of work context: Ambient work unit characteristics and the impact of retirement on alcohol consumption. *Human Relations, 72*(4), 675-705.
105. Pfammatter, A.F.,* **Nahum-Shani, I.**, DeZelar, M., Scanlan, L., McFadden, G., Siddique, J., Hedeker,D., & Spring, B. (2019). SMART: Study protocol for a sequential multiple assignment

randomized controlled trial to optimize weight loss management. *Contemporary Clinical Trials, 82,* 36-45.

106. Wagner III, B.,* Barskey, M., **Nahum-Shani, I.**, & Park, S.Y. (2019). ewrapper: Perceived receptivity to engagement strategies in mHealth. *Conference Companion Publication of the 2019 on Computer Supported Cooperative Work and Social Computing* (pp. 398-402).
107. Almirall,D., Kasari, C., McCaffrey, D.F., & **Nahum-Shani, I.** (2018) Developing optimized adaptive interventions in education. *Journal of Research on Educational Effectiveness, 11*(1), 27-34.
108. Bamberger, P.A., Koopmann, J., Wang, M., Larimer, M., **Nahum-Shani, I.**, Geisner, I., & Bacharach, S.B. (2018). Does college alcohol consumption impact employment upon graduation? Findings from a prospective study. *Journal of Applied Psychology, 103*(1), 111.
109. Bidargaddi, N., Almirall, D., Murphy, S., **Nahum-Shani, I.**, Kovalcik, M., Pituch, T., ... Strecher, V. (2018). To prompt or not to prompt? A microrandomized trial of time-varying push notifications to increase proximal engagement with a mobile health app. *JMIR mHealth and uHealth, 6*(11).
110. Czyz, E.,* K., King, C. A., & **Nahum-Shani, I.**** (2018). Ecological assessment of daily suicidal thoughts and attempts among suicidal teens after psychiatric hospitalization: Lessons about feasibility and acceptability. *Psychiatry Research, 267*, 566-574.
111. Geisner, I.M., Koopmann, J., Bamberger, P., Wang, M., Larimer, M.E., **Nahum-Shani, I.**, & Bacharach, S. (2018). When the party continues: impulsivity and the effect of employment on young adults' post-college alcohol use. *Addictive Behaviors*, 77, 114-120.
112. **Nahum-Shani, I.** & Militello, L.K. (2018). Promoting military family well-being with digitally-supported adaptive and just-in-time adaptive interventions: Opportunities and challenges. The *National Academies of Sciences, Engineering, and Medicine consensus study: The Well-Being of Military Families*. Commissioned paper.
113. **Nahum-Shani, I.,** Dziak, J.J., & Collins, L.M. (2018). Multilevel factorial designs with experiment-induced clustering. *Psychological Methods, 23*(3), 458-479.
114. **Nahum-Shani, I.**, Smith, S.N.* Spring, B.J., Collins, L.M., Witkiewitz, K., Tewari, A., & Murphy, S.A. (2018). Just-in-time adaptive interventions (JITAIs) in mobile health: Key components and design principles for ongoing health behavior support. *Annals of Behavioral Medicine*, *52*(6), 446–462.
115. Rabbi, M.,* Kotov, M. P., Cunningham, R., Bonar, E.E., **Nahum-Shani, I.**, Klasnja, P., ... Murphy, S. (2018). Toward increasing engagement in substance use data collection: development of the Substance Abuse Research Assistant app and protocol for a microrandomized trial using adolescents and emerging adults. *JMIR Research Protocols, 7*(7), e166.
116. Walton, A.,* **Nahum-Shani, I.**, Crosby, A., Klasnja, P., & Murphy, S.A. (2018). Optimizing digital integrated care via micro-randomized trials. *Clinical Pharmacology & Therapeutics, 104*(1), 53-58.
117. **Nahum-Shani, I.**, Ertefaie, A.,* Lu, X., McKay, J.R., Lynch, K.G., Oslin, D., & Almirall, D. (2017). A SMART data analysis method for constructing adaptive treatment strategies for substance use disorders. *Addiction, 112*(5), 901-909.

118. Rabbi, M.,* Philyaw-Kotov, M., Lee, J., Mansour, A., Dent, L., Wang, X., Cunningham, R., Bonar, E., **Nahum-Shani, I.**, Klasnja, P. & Walton, M. (2017). SARA: a mobile app to engage users in health data collection. *Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2017 ACM International Symposium on Wearable Computers* (pp. 781-789).
119. Wagner III, B.,* Liu, E.,* Shaw, S. D.,* Iakovlev, G., Zhou, L., Harrington, C., ... **Nahum-Shani, I.**** (2017). eWrapper: Operationalizing engagement strategies in mHealth. *Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2017 ACM International Symposium on Wearable Computers* (pp. 790-798).
120. Almirall D., DiStefano, C., Chang, Y., Shire, S., Kaiser, A., Lu, X., **Nahum-Shani, I.**, Landa, R., Mathy, P., & Kasari, C. (2016). Longitudinal effects of adaptive interventions with a speech-generating device in minimally verbal children with ASD. *Journal of Clinical Child and Adolescent Psychology*, *45*(4), 442 - 456.
121. Pelham, W.E., Jr, Fabiano, G.A., Waxmonsky, J.G., Greiner, A.R., Gnagy, E.M., Pelham, W.E., Coxe, S., Verley, J., Bhatia, I., Hart, K., Karch, K., Konijnendijk, E., Tresco, K., **Nahum-Shani, I.**, & Murphy, S. A. (2016). Treatment Sequencing for Childhood ADHD: A Multiple-Randomization Study of Adaptive Medication and Behavioral Interventions. *Journal of Clinical Child and Adolescent Psychology, 45*(4), 396–415.
122. Ertefaie, A.,* Wu, T.,* Lynch, K., & **Nahum-Shani, I.**** (2016) Identifying a set that contains the best dynamic treatment regimes. *Biostatistics*, *17*(1), 135-148.
123. Lu, X.,* **Nahum-Shani, I.**, Kasari, C., Lynch, K.G., Oslin, D.W., Pelham, W.E., Fabiano, G. & Almirall, D., (2016). Comparing dynamic treatment regimes using repeated-measures outcomes: modeling considerations in SMART studies. *Statistics in Medicine*, *35*(10) 1595–1615.
124. Sarker, H.,* Tyburski, M., Rahman, M. M., Hovsepian, K., Sharmin, M.,* Epstein, D. H., Preston, C.D., Furr-Holden, A., Milam, A., **Nahum-Shani, I**., al'Absiet, M., & Kumar, S. (2016). Finding significant stress episodes in a discontinuous time series of rapidly varying mobile sensor data. *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems* (pp. 4489-4501).
125. Dempsey, W.,* Liao, P., Klasnja, P., **Nahum-Shani, I.**, & Murphy, S. A. (2015). Randomized trials for the Fitbit generation. *Significance, 12*(6), 20-23.
126. Jakicic, J. M., Sox, H., Blair, S. N., Bensink, M., Johnson, W. G., King, A. C., Lee, I. M., **Nahum-Shani, I.**, Sallis, J. F., Sallis, R. E., Craft, L., Whitehead, J. R., & Ainsworth, B. E. (2015). Comparative effectiveness research: A roadmap for physical activity and lifestyle. *Medicine and Science in Sports and Exercise, 47*(8), 1747-1754.
127. Kumar, S., Abowd, G., Abraham, W., al'Absi, M., Beck, J.G., Chau, D.H., Condie, T., Conroy, D.E., Ertin, E., Estrin, D., Ganesan, D., Lam, C., Marlin, B., Marsh, C.B., Murphy, S.A., **Nahum-Shani, I.**, Patrick, K., Rehg, J., Sharmin, M., Shetty, V., Sim, I., Spring, B., Srivastava, M., & Wetter, D. (2015). Center of excellence for mobile sensor data-to-knowledge (MD2K). *Journal of the American Medical Informatics Association*, *22*(6), 1137-1142.
128. **Nahum-Shani, I**., & Bamberger, P.A. (2015). A lingering ambiance: Pre-retirement work context and the impact of retirement on drinking behavior. In John Humphreys (Ed.), *Proceedings of the Seventy-fifth Annual Meeting of the Academy of Management* (best paper). Online ISSN: 2151-6561.

129. **Nahum-Shani, I.,** Hekler, E. B., & Spruijt-Metz, D. (2015). Building health behavior models to guide the development of just-in-time adaptive interventions: A pragmatic framework. *Health Psychology*, *34*, 1209-1219.
130. Sharmin, M.,* Raij, A., Epstein, D., **Nahum-Shani, I.**, Beck, G., Vhaduri, S., Preston, K., & Kumar, S. (2015). Visualization of time-series sensor data to inform the design of just-in-time adaptive stress interventions. *Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing* (pp. 505-516).
131. Almirall D., **Nahum-Shani, I**., Sherwood, N.E., & Murphy, S.A. (2014). Introduction to SMART designs for the development of adaptive interventions: With application to weight loss research. *Translational Behavioral Medicine*, *4*(3), 260-274.
132. Collins, L., **Nahum-Shani, I**., & Almirall, D. (2014). Optimization of behavioral dynamic treatment regimens based on the sequential, multiple assignment, randomized trial (SMART). *Clinical Trials, 11*(4), 426-434.
133. **Nahum-Shani, I.,** Henderson*****, M.M., Lim, S., M.M., & Vinokur, A.D. (2014) Supervisor support: Does it buffer or exacerbate the adverse effects of supervisor undermining? *Journal of Applied Psychology*, *99*(3), 484-503.
134. Bodovski, K., **Nahum-Shani, I.**, & Walsh, R. (2013). School climate and students' early mathematics learning: Another search for contextual effects. *American Journal of Education, 119*(2), 209-234.
135. Dziak, J., **Nahum-Shani, I.**, & Collins, L. (2012) Multilevel factorial experiments: Power and conceptual considerations. *Psychological Methods*, *17*(2), 153-175.
136. Lei, H.,*** Nahum-Shani, I**., Lynch, K., Oslin, D., & Murphy, S.A. (2012). Using Sequential, Multiple Assignment, Randomized Trial (SMART) designs to build individualized treatment sequences. *Annual Review of Clinical Psychology*, *8*, 21-48.
137. **Nahum-Shani, I.,** Qian, M.,* Almirall, D., Pelham, W.E., Gnagy, B., Fabiano, G., Waxmonsky, J., Yu, J., & Murphy, S. (2012). Q-Learning: A secondary data analysis method for developing adaptive interventions. *Psychological Methods, 17*(4), 478-494.
138. **Nahum-Shani, I.**, Qian, M.,* Almirall, D., Pelham, W.E., Gnagy, B., Fabiano, G., Waxmonsky, J., Yu, J., & Murphy, S. (2012). Experimental design and primary data analysis for developing adaptive interventions. *Psychological Methods*, *17*(4), 457-477.
139. **Nahum-Shani, I.**, & Bamberger, P.A. (2011b). The buffering effect of social support on stressor-strain relations: The conditioning effects of perceived reciprocity patterns. *Organizational Behavior and Human Decision Processes*, *114*, 49-63.
140. **Nahum-Shani, I.**, & Bamberger, P.A. (2011a). Work hours, retirement and supportive relations among older adults. *Journal of Organizational Behavior*, *32,* 345–369.
141. **Nahum-Shani, I.**, Bamberger, P.A., & Bacharach, S.B. (2011). Social support and well-being among blue collar workers: The conditioning effects of perceived patterns of supportive Exchange. *Journal of Health and Social Behavior*, *52*, 123–139.
142. **Nahum-Shani, I.**, & Somech, A. (2011). Leadership, OCB and individual differences: Idiocentrism and allocentrism as moderators of the relationship between transformational and transactional leadership and OCB. *Leadership Quarterly*, *22*, 353-366.

143. **Nahum-Shani, I.**, & Bamberger, P. A. (2011). Explaining the Variable Effects of Social Support on Work-Based Stressor-Strain Relations: The Role of Perceived Pattern of Support Exchange. *Organizational behavior and human decision processes*, *114*(1), 49–63.
144. Cohen, A., **Nahum-Shani, I.**, & Doveh, E. (2010). Further insight and additional inference methods for polynomial regression applied to the analysis of congruence. *Multivariate Behavioral Research, 45*, 828-852.
145. Cohen, A., Doveh, E., & **Nahum-Shani, I.** (2009). Testing agreement for multi-item scales with indices rwg(J) and ADM(J). *Organizational Research Methods, 12*, 148-164.
146. Bamberger, P., Kohn, E., & **Nahum-Shani, I.** (2008). Aversive workplace conditions and employee grievance filing: The moderating effects of gender and ethnicity. *Industrial Relations*, *47*, 229-260.

BOOK CHAPTERS AND OPEN SCIENCE STUDY PROTOCOLS

***** Student/Mentored research
****** Senior author

1. **Nahum-Shani, I.** Smart interventions. (2024). In M.R. Mehl, M. Rid, C. Wrzus, G. Harari, and U. Ebner-Priemer. (Eds.), Mobile Sensing in Psychology: Methods and Applications. Guilford.
2. **Nahum-Shani, I.**, Wetter, D.W., & Murphy, S.A. (2022). Adapting just-in-time interventions to vulnerability and receptivity: Conceptual and methodological considerations. In N. Jacobson, L. Marsch & T. Kowatsch (Eds.), Digital Therapeutics for Mental Health and Addiction: State of the Science and Vision for the Future. Elsevier
3. Carpenter, S.M.,* Patrick, M., Morrell, N., **Nahum-Shani. I.**** (2020). Leveraging self-relevance to engage young adults in self-monitoring of alcohol use. Open Science Framework: Study Protocol.
4. El-Toukhy, S. & **Nahum-Shani, I.**** (2019). The JITAI Code: A primer on just-in-time-adaptive interventions. Wiley StatsRef: Statistics Reference Online.
5. Hall, K.L.,* **Nahum-Shani, I.**, August, G., Patrick, M.E., Murphy, S.A., & Almirall, D. (2019). Adaptive intervention designs in substance use prevention. In Sloboda Z., Petras H., Robertson E., Hingson R. (Eds.) Prevention of Substance Use. Advances in Prevention Science. Springer, Cham (pp. 263-280).
6. Almirall, D., **Nahum-Shani, I.**, Wang, L., & Kasari, C. (2018). Experimental designs for research on adaptive interventions: Singly- and sequentially-randomized trials. In L.M. Collins and K.C. Kugler (Eds.) Advanced Topics in the Optimization of Behavioral and Biobehavioral Interventions (pp. 89-120).
7. **Nahum-Shani, I.** & Dziak, J.J. (2018) Multilevel factorial designs in behavioral intervention development. In L.M. Collins and K.C. Kugler (Eds.) Advanced Topics in the Optimization of Behavioral and Biobehavioral Interventions (pp. 47-87).
8. Rabbi, M.,* Philyaw-Kotov, M., Klasnja, P., Bonar, E., **Nahum-Shani, I.**, Walton, M., & Murphy, S.A. (2017). SARA - substance abuse research assistant. Open Science Framework: Study Protocol.
9. Sarker, H.,* Hovsepian, K.,* Chatterjee, S., **Nahum-Shani, I.**, Murphy, S.A., Spring, B., ... & Kumar, S. (2017). From markers to interventions: The case of just-in-time stress intervention. In Rehg, J., Murphy, S.A., Kumar, S. (Eds.) Mobile Health. Springer, Cham (pp. 411-433).

10. Dallery, J., Riley, W.T., & **Nahum-Shani, I**. (2015). Research designs to develop and evaluate technology-based health behavior interventions. In L. Marsch, S. Lord, and J. Dallery (Eds). Leveraging Technology to Transform Behavioral Healthcare. Oxford University Press.
11. **Nahum-Shani, I.**, Xi, L., Henderson, M.M.,* & Murphy, S.A. (2013). Innovative experimental design for developing effective technology-supported help-seeking interventions. In S.A. Karabenick and M. Puustinen (Eds). Advances in Help Seeking Research and Applications: The Role of Information and Communication Technologies.
12. Qian, M.,*** Nahum-Shani, I.**, Murphy, S. (2013). Dynamic treatment regimes. In X. Tu and W. Tang (Eds.). Modern Clinical Trial Analysis. Springer Science.

PROFESSIONAL CONFERENCES/PRESENTATIONS

***** Student/Mentored research

1. Florimbio, A.R., Tomlinson, D.C., Walton, M.A., Bonar, E.E., Campbell, M., Ghosh, S., Hung, P., Zimmermann, L., Murphy, S., Newman, M.W., **Nahum-Shani. I.**, & Coughlin, L.N. (July 2025). Preliminary Findings from a Pilot Mobile Health Intervention for Emerging Adults with Cannabis Use. Poster presentation at the 9th Annual Scientific Meeting of the Research Society on Marijuana, Detroit, MI.
2. Edelman, E.J., Deng, Y., Dziura, J., Bold, K.W., Barakat, L., Nahum-Shani, I., Mistler, C., Payne, E., Harsono, D., Weiss, J-M., Sigel, K.M., Yager, J.E., Ledgerwood, D.M., Bernstein, S.L. (June 2025). The Moderating Effects of Unhealthy Alcohol Use on a Clinical Pharmacist-Delivered Treatment for Tobacco Use Disorder Among People with HIV: A Secondary Analysis of A SMART Approach to Treating Tobacco Use Disorder (SMARTTT) in Persons with HIV (PWH). Paper presentation at the Research Society on Alcohol (RSA) Meeting, New Orleans, LA.
3. Edelman, E.J., Deng, Y., Dziura, J., Bold, K.W., Barakat, L., **Nahum-Shani, I.**, Mistler, C., Payne, E., Sigel, K.M., Yager, J.E., Ledgerwood, D.M., Bernstein, S.L. (June 2025). Clinical Pharmacist-Delivered Medications and Contingency Management for Smoking Integrated in HIV Clinics. Paper presentation at the College on Problems of Drug Dependence (CPDD) Annual Meeting, New Orleans, LA.
4. Shani, G., Shetty, V., Alcaraz, J., Murphy, S.A., & **Nahum-Shani, I.** (April, 2024). A Digital Dyadic Coach to Promote Oral Self-Care in Older Adults. Massachusetts Al and Technology Center for Connected Care in Aging and Alzheimer's Disease Annual Meeting, Boston, MA.
5. Zhang, S.,* Dziak, J.J., Benson, L., Yap, J.R,T., Jones, D.R., Lam, C.Y., Potter, L.N., Wetter, D.W., & **Nahum-Shani, I.** (March, 2025). Missing Data in Micro-Randomized Trials: Challenges and Opportunities. Society of Behavioral Medicine Annual Meeting, San Francisco, CA.
6. Shani, G., Choi, S., Murphy, S.A., **Nahum-Shani, I.** (December, 2014). Designing a Dyadic Just-in-Time Adaptive Intervention for Medication Adherence Post-Hematopoietic Cell Transplantation (HCT). Annual Technology in Psychiatry Summit, Phoenix, AZ.
7. Potter, L.N.,* Wetter, D.W., & **Nahum-Shani, I.** (December, 2014). The Mobile Assistance for Regulating Smoking. Annual Technology in Psychiatry Summit, Phoenix, AZ.
8. Yu, Q.,* Bagozzi, R.P., Hung, P., Yoon, C., & **Nahum-Shani, I.** (March, 2025). Development and Evaluation of a New Self-Report Measure of Engagement with Digital Interventions. Society of Behavioral Medicine Annual Meeting, San Francisco, CA.

9. Huch, E.,* **Nahum-Shani, I.**, Potter, L.N., Lam, C.Y., Wetter, D.W., & Dempsey, W.* (August, 2024). Data integration methods for micro-randomized trials. Joint Statistical Meetings, Portland, OR.
10. Zhang, S.,* Dziak, J.J., Benson, L., Yap, J.R,T., Jones, D.R., Lam, C.Y., Potter, L.N., Wetter, D.W., & **Nahum-Shani, I.** (June, 2024). Missing Data in Micro-Randomized Trials: Challenges and Opportunities. Society for Ambulatory Assessment, Ann Arbor, MI.
11. **Nahum-Shani, I.** & Marsch, L. (June, 2024). Innovations in Digital Interventions for Substance Use (Organizers and Chairs). Symposium presented at the College on Problems of Drug Dependence (CPDD) Annual Meeting, Montreal, Canada.
12. Xie, Q.,* Dyer, R. L., Lam, S., Frye, C., Dahl, C. J., Quanbeck, A., **Nahum-Shani I.**, Davidson, R. J., & Goldberg, S. B. (May, 2024). Understanding the Implementation of Informal Meditation Practice in a Smartphone-Based Intervention: A Qualitative Analysis [Oral Presentation]. In Q. Xie (Chair), Advancing Scalability and Accessibility of Meditation-Based Interventions Through Implementation Science. Symposium conducted at the 2024 Association for Psychological Science Annual Convention, San Francisco, CA.
13. Yu, Q.,* Yap, J., Potter, L., Jones, D., Lam, C., Wetter, D., & **Nahum-Shani, I.** (March, 2024). Engage With What? Strategies to Promote Mobile App Engagement and Digital Engagement with Intervention in Tobacco Cessation. Poster presentation, the Society of Behavioral Medicine Annual Meeting, Philadelphia, PA.
14. Dziak, J., & **Nahum-Shani, I.** (March, 2024). Evidence-Based Selection of Adaptive Intervention Tailoring Rules: Decision Times, Cutoffs, and Hybrid Experimental Designs. Poster presentation, the Society of Behavioral Medicine Annual Meeting, Philadelphia, PA.
15. **Nahum-Shani, I.**, Almirall, D., & Guastaferro, K. (March, 2024). Adaptive Interventions: Innovations in Intervention and Experimental Design. Pre-Conference Workshop, the Society of Behavioral Medicine Annual Meeting, Philadelphia, PA.
16. Lansing, A. H.,* **Nahum-Shani, I.**, Murphy, S., Shani, G., & Stanger, C. (March, 2024). Co-Designing a Parent-Teen Dyadic Digital Intervention to Prevent Early Escalation of Substance Use. Invited presentation for the Joint Meeting on Prevention, Treatment, and Recovery Meeting, Baltimore, MD.
17. Florimbio, A. R.,* **Nahum-Shani, I.**, Wheeler, T., Campbell, M., Rodriguez, C., Bonar, E. E., Walton, M. A., Murphy, S., & Coughlin, L. N. (March, 2024). Content Development for a Mobile Health Intervention for Emerging Adults with Regular Cannabis Use. Poster presentation, the Society of Behavioral Medicine Annual Meeting, Philadelphia, PA.
18. Phillips, S.M., Solk, P., Freeman, H., Starikovisky, J., Carden, L.B., Agnew, M., Schmidt, C., Reading, J.M., Wang, S., Hasanaj, K., Tevaarwerk, A.J., Spring, B., Barber, E., Sesto, M.E., Gradishar, W., Hodgson, V., Muller, L., Naxi, S., Spencer, R., Gangnon, R., **Nahum-Shani, I.**, Cadmus-Bertram, L., & Pickett, K. (March, 2024). A 6-month, Multi-site Electronic Health Record-Integrated Physical Activity Intervention (MyActivity) Significantly Increases Physical Activity in Breast & Endometrial Cancer Survivors. Accepted for oral presentation. Annual Meeting of the American Society of Preventive Oncology, Chicago, IL.
19. Carpenter, S.M.,* Yap, J., Patrick, M.E., Morrell, N., Dziak, J.J., Almirall, D., Yoon, C., & **Nahum-Shani, I.**** (April, 2023). Self-Relevant Appeals to Engage in Self-Monitoring of Alcohol Use: A Micro-Randomized Trial. Society of Behavioral Medicine Annual Meeting, Phoenix, AZ.

20. Sobolev, M.,* Anand, A.,* Dziak, J.J., Potter, N.L., Lam, Y.C., Wetter, W.D., & **Nahum-Shani, I.**** (April, 2023). Time-varying model of engagement with digital self reporting: Evidence from smoking cessation longitudinal studies. Society of Behavioral Medicine Annual Meeting, Phoenix, AZ.
21. **Nahum-Shani, I.**, Dziak. J.J., Venera., H.,* Pfammatte, A.F., Spring, B., & Dempsey, W. (April, 2023). Design of Experiments with Sequential Randomizations on Multiple Timescales: The Hybrid Experimental Design. Society of Behavioral Medicine Annual Meeting, Phoenix, AZ.
22. Spring, B., Nahum-Shani, I., Battalia, S., Conroy, D., Daly, E., Dempsey, D., Hnat, T., Hoffman, S., Menictas, M., Murphy, S.A., Qian, T., Samiei, S.A., Yap, J., & Kumar, S. (April, 2023). When Should we Prompt Stress Management for Smokers Attempting to Quit? Results of the Sense2Stop Micro-Randomized Trial. Society of Behavioral Medicine Annual Meeting, Phoenix, AZ.
23. **Nahum-Shani, I.**, Carpenter, S.M.,* Yap, J., Patrick, M.E., Morrell, N., Dziak, J.J., Almirall, D., Yoon, C. (September, 2022). Self-Relevant Appeals to Engage in Self-Monitoring of Alcohol Use: A Micro-Randomized Trial. International Society for Research on Internet Interventions Annual Meeting, Pittsburgh, PA.
24. **Nahum-Shani, I.**, Dziak, J.J., Walton, M.A., Dempsey, W. (September, 2022). Hybrid experimental designs for intervention development: What, why and how. International Society for Research on Internet Interventions Annual Meeting, Pittsburgh, PA.
25. Carpenter, S.M.,* (Chair), **Nahum-Shani, I.**, (Organizer), Stanger, C., Walton, M.A, Naar, S., & Almirall, D. (April, 2022). SMART studies for developing adaptive interventions in substance use and HIV [Symposium]. Society of Behavioral Medicine Annual Meeting, Baltimore, MD.
26. Abbott, M.R.,* Dempsey, W., Taylor, J.M.G., **Nahum-Shani I.** (March, 2022). Modeling cigarette use with mobile health data from a study on smoking cessation. Michigan Student Symposium for Interdisciplinary Statistical Sciences. Ann Arbor, MI.
27. Abbott, M.R.,* Dempsey, W., **Nahum-Shani, I.,** Taylor, J.M.G. (March, 2022). A joint longitudinal-survival model for mobile health data. Eastern North American Region (ENAR) of the International Biometric Society (Virtual).
28. **Nahum-Shani, I.**, Shaw, S.,* Carpenter, S.M.,* Murphy, S.A., & Yoon. C. (May, 2021). Engagement in a digital world. Association for Psychological Science Annual Meeting. Presented by Carpenter, S.M. (Virtual).
29. **Nahum-Shani., I**. (expert discussant). (December 2020). Investigating the promise of mHealth for complementary and integrative health approaches. NIH/NCCIH academic consortium grand rounds session at the International Congress on Integrative Medicine and Health. With Lanay Mudd, Pamela Jeter, Jennifer Huberty, Judith Gordon, and Christopher Cox (Virtual).
30. Spring, B., Pfammatter, A., Scanlan, L., McFadden, H., Marchese, S., Siddique, J., Hedeker, D., & **Nahum-Shani, I.** (November, 2020). How low can we go? Optimal first line and augmentation treatment tactics for obesity stepped care. Poster presented at the Obesity Society Annual Meeting; Obesity, 28, page 106.
31. Spring, B., Pfammatter, A., Marchese, S., Martindale, L., Battalio, M.F.S., Stump, T. Hedeker, D., & **Nahum-Shani, I.** (November, 2020). Do digital interventions overcome socio-demographic differences in weight loss initiation? Presentation at the Obesity Society Annual Meeting; Obesity, 28, page 15.

32. **Nahum-Shani., I.**, Yap, J., & Walton, M.A. (September, 2020). Developing workflows and templates for reproducing results from mobile health (mHealth) trials. Michigan Institute for Data Science Reproducibility Day. University of Michigan (online).
33. Coughlin, L.N.,* **Nahum-Shani, I.**, Bonar, E.E., Philyaw-Kotov, M.L., Rabbi, M., Klasnja, P., Cunningham, R.M., Murphy, S.A. & Walton, M.A. (July, 2020). Toward a just-in-time adaptive intervention to reduce adolescent and young adult alcohol use: Testing approaches for identifying when to intervene. Society for Prevention Research (online). https://www.preventionresearch.org/2020-annual-meeting/
34. Lustria, M.L.A.,* Naar, S., Carpenter, S.M.,* & **Nahum-Shani, I.** (April, 2020). Design and development of a gamified mobile application to improve adherence to dietary self-monitoring. Paper presented at the Kentucky Conference on Health Communication (Virtual).
35. Nagesh, S.,* Moreno, A.,* Carpenter, S.M.,* Yap., J., Chatterjee, S., Lizotte, S.L., Neng, W., Kumar, S., Lam, C., Wetter, D., **Nahum-Shani, I.,** & Rehg, J. (December, 2020). Deep forecasting of EMA compliance: Distinguishing non-compliance from non-response. Neural Information Processing Systems (Online).
36. Carpenter, S.M.,* Yap, J., Lam, C., Wetter, D., & **Nahum-Shani, I.** (February, 2020). Emotions impact engagement among smokers during a quit attempt. Poster at the Meeting of the Society for Personality and Social Psychology Intervention Science Preconference, New Orleans, LA.
37. Coughlin, L.N.,* Bonar, E.E., Philyaw-Kotov, M.L., **Nahum-Shani, I.**, Rabbi, M., Klasnja, P., ... Walton, M.A. (June, 2019). Predicting alcohol and marijuana use in adolescents and emerging adults with the Substance Abuse Research Assistant (SARA) Mobile App. In Alcoholism-Clinical and Experimental Research (43, pp. 234A-234A).
38. Shaw, S.D.,* Yoon, C. Wagner, B.,* & **Nahum-Shani. I.** (March, 2019). Engagement in a digital world: An organizing framework for engagement strategies. Society for consumer psychology annual conference. Savannah, GA.
39. Walton, A.,* Collins, L., Crosby, L., Klasnja, P., **Nahum-Shani, I.**, Rabbi, M., Walton, M., Murphy, S. (October, 2018). The micro-randomized trial for developing mobile health interventions. Poster presentation at the Fifth Annual Mobile Data to Knowledge (MD2K) Meeting. Memphis, TN.
40. Walton, A.,* Collins, L., Crosby, L., Klasnja, P., **Nahum-Shani, I.**, Rabbi, M., Walton, M.A, & Murphy, S.A (October, 2018). The micro-randomized trial for developing mobile health interventions. Seminar at Penn State University Methodology Center, College of Health and Human Development. State College, PA.
41. Walton, A.,* Collins, L., Crosby, L., Klasnja, P., **Nahum-Shani, I.**, Rabbi, M., Walton, M.A, & Murphy, S.A (November, 2018). The micro-randomized trial for developing mobile health interventions. Poster presentation at the Technology in Psychiatry Summit. Boston, MA.
42. Czyz, E.C.,* Fernandez K.C., **Nahum-Shani, I**., & King, C.A. (April, 2018). Feasibility and acceptability of ecological momentary assessment (EMA) with suicidal adolescents following psychiatric hospitalization. Poster presentation at the 50th American Association of Suicidology Annual Conference. Phoenix, AZ.
43. Tureen, T.,* Yap, J., Almirall, D., & **Nahum-Shani, I.** (April, 2018). R implementation for the analysis of zero-inflated count data from SMARTs: With application to substance use research. Michigan Student Symposium for Interdisciplinary Statistical Sciences (MISSISS). University of Michigan, Ann Arbor, MI.

44. Seewald, N.J.,* **Nahum-Shani, I.**, McKay, J.R., & Almirall, D. (April, 2018). Sample size considerations for the analysis of continuous repeated-measures outcomes in sequential multiple-assignment randomized trials." Michigan Student Symposium for Interdisciplinary Statistical Sciences. Ann Arbor, MI.
45. Wagner, B.,* Shaw, S.D.,* Liu, E., Harrington, C., Naar, S., Abowd, G., Yoon, C., Kumar, S., Murphy, S.A., & **Nahum-Shani, I.** (April, 2018). ewrapper: Operationalizing engagement strategies in mHealth. Poster session presented at the Michigan Student Symposium for Interdisciplinary Statistical Sciences, Ann Arbor, MI.
46. Bonar, E.E., Rabbi, M.,* Murphy, S.A., **Nahum-Shani, I.**, Cunningham, R.M., Philyaw-Kotov, M.L., & Walton, M.A. (2018). Feasibility and acceptability of using a mobile phone app to assess substance use among adolescents and emerging adults [Abstract]. Alcoholism: Clinical and Experimental Research.
47. Czyz, E.C.,* King, C.A., & **Nahum-Shani, I.** (November, 2017). Examining feasibility and acceptability of ecological momentary assessment among adolescents at elevated suicide risk. Presentation at IASR/AFSP International Summit on Suicide Research. Henderson, NV.
48. Philyaw-Kotov, M.L.,* Rabbi, M., Murphy, S.A., Klasnja, P., Tewari, A., **Nahum-Shani, I**. & Bonar, E.E. (September, 2017). Feasibility and acceptability of using a mobile phone app to assess substance use among adolescents and emerging adults. SAVIR Conference: Innovations in Injury Prevention Science; Injury Prevention 2017; 23(Suppl 1):A1–A62. Ann Arbor, MI.
49. Czyz, E.C.,* King, C.A., & **Nahum-Shani, I.** (September, 2017). Examining feasibility and acceptability of ecological momentary assessment among adolescents at elevated suicide risk. Presentation at the Society for Advancement of Violence and Injury Research Conference. Ann Arbor, MI.
50. **Nahum-Shani, I.,** Yap J., Almirall D., Freiheit, E., McKay, J. R., Lynch, K. G., & Dziak, J.J. (August, 2017). Comparing adaptive interventions using longitudinal data methods. Paper Session: New Directions in General Psychology. The 125th Annual Convention of the American Psychological Association. Washington, D.C.
51. **Nahum-Shani, I.** (June, 2017). Common misconceptions regarding adaptive interventions and SMART studies. Workshop on development of adaptive treatment strategies in the management of drug dependence: Lessons learned from clinical trials currently in the field. College on Problems of Drug Dependence (CPDD) meeting. Montreal, Canada.
52. **Nahum-Shani, I.**, Spring, B., & Murphy, S.A. (March, 2017). Stress-management just-in-time adaptive interventions: Opportunities and challenges. Symposium on Harnessing mHealth Technology to Advance Intervention Research on Stress, Addiction, and Mental Health Disorders. The 75th Annual Scientific Meeting of the American Psychosomatic Society, Sevilla, Spain.
53. Seewald, J.N.,* **Nahum-Shani, I.**, McKay, J., & Almirall, D. (March, 2017). Sample size considerations for the analysis of continuous repeated-measures outcomes in sequential multiple-assignment randomized trials. Michigan Student Symposium for Interdisciplinary Statistical Sciences (MISSISS) (Best Statistics Graduate Student Poster). University of Michigan, Ann Arbor, MI.

54. Wagner, B.,* Rabbi, M.,* et al. (March, 2017). Engagement interventions in mobile health. Michigan Student Symposium for Interdisciplinary Statistical Sciences (MISSISS). University of Michigan, Ann Arbor, MI.
55. **Nahum-Shani, I.**, & Bamberger, P.A. (August, 2015). A lingering ambiance: Pre-retirement work context and the impact of retirement on drinking behavior (best paper). Presented at the Academy of Management Meeting, Vancouver, Canada.
56. Dworak, P., **Nahum-Shani, I.**, & Chang, W. (May, 2015). Evaluating sequence of responsive design interventions on the Health and Retirement Study using the Sequential Multiple Assignment Randomized Trial (SMART). Paper presented at the American Association for Public Opinion Research; Hollywood, Florida.
57. Spring, B., Pellegrini, C.A., & **Nahum-Shani, I.** (November, 2014). How long does it take to identify non-responders to weight loss treatment. The Obesity Society's Annual Meeting; Boston, Massachusetts.
58. **Nahum-Shani, I.**, Bamberger, P.A., Bacharach, S.B., & Doveh, E. (May, 2013). Explaining the varying effects of retirement on Alcohol Consumption: The Role of unit-level drinking norms and stress climate. Presented as part of the symposium on work transitions and mental health throughout the work life course. Work, Stress, and Health Meeting: Protecting and Promoting Total Worker Health; Los Angeles, CA.
59. **Nahum-Shani, I.,** Henderson, M.M., Lim, S., & Vinokur, A.D. (August, 2013). Supervisor support: Does it buffer or exacerbate the adverse effect of supervisor undermining. Paper presented at the Academy of Management Annual Meeting; Orlando, FL.
60. **Nahum-Shani, I.,** & Bamberger, P.A., Bacharach, S.B., & Doveh, E. (August, 2012). Explaining the varying effects of retirement on alcohol consumption: The Role of unit-level drinking norms and stress climate. Paper presented at the Academy of Management Annual Meeting; Boston, MA.
61. Dziak, J., **Nahum-Shani, I.**, & Collins, L. (May, 2012). Multilevel factorial experiments: Power and conceptual considerations. Paper presented at the Society for Prevention Research 20th Annual Meeting; Washington, DC.
62. **Nahum-Shani, I.** (August, 2011). Adaptive interventions utilizing mobile health technologies. Whitepaper accepted to the mHealth Evidence Workshop, sponsored by Robert Wood Johnson Foundation, the National Institutes of Health; Bethesda, MD.
63. **Nahum-Shani, I.,** & Somech, A. (August, 2010). Leadership, OCB and individual differences: idiocentrism and allocentrism as moderators. Paper presented at the Academy of Management Annual Meeting; Montreal, Canada.
64. **Nahum-Shani, I**., Qian, M., Pelham, W.E., Gnagy, B., Fabiano, G., Waxmonsky, J., Yu, J., & Murphy, S.A. (May, 2010). Q-Learning: A Data analysis method for constructing adaptive interventions. Paper presented at the Society for Prevention Research Annual Meeting; Denver, CO.
65. **Nahum-Shani, I**., & Bamberger, P.A. (August, 2009). Work hours, retirement and supportive relations among older adults. Paper presented at the Academy of Management Annual Meeting; Chicago, IL.
66. **Nahum-Shani, I**. (August, 2008). Dissertation Award winners session: Invited talk at the HR Doctoral Consortium, Academy of Management Annual Meeting; Anaheim, CA.

67. **Nahum-Shani, I**. (August, 2008). Hours worked and their positioning during the day: Effects on support availability from work, family and non-work friends. Invited talk, HR Dissertation award winners' paper session. Academy of Management Annual Meeting; Anaheim, CA.
68. **Nahum-Shani, I**., & Bamberger, P.A. (August, 2008). Temporal workplace demands and the buffering effect of social support: The Conditioning role of perceived reciprocity patterns. Paper presented at the Academy of Management Annual Meeting; Anaheim, CA.
69. Bacharach, S.B., Bamberger, P.A., & **Nahum-Shani, I**. (August, 2007). Hours, shifts and supportive relations: Resource mobilization and the link between temporal workplace demands and social support. Paper presented at the Academy of Management Annual Meeting; Philadelphia, PA.
70. **Nahum-Shani, I**., Doveh, E., Bamberger, P.A., & Bacharach, S.B. (January, 2007). Moderated mediation in multilevel models: The case of involvement in traumatic events. Poster presentation at the 4th conference of the EMR - International Biometric Society; Israel.

INVITED PRESENTATIONS/TRAINING SESSIONS

1. Innovations in Experimental Designs for Optimizing Adaptive Interventions: An Accessible Introduction to SMARTs, MRTs and Hybrid Designs. Center for Depression, Anxiety, and Stress Research, Harvard Medical School. Harvard University; June, 2026.
2. Introduction to SMARTs, MRTs and Hybrid Designs. Training Module 6 (Methodology): Session 1- Understanding Methods and Designs Appropriate for Each Stage. NIH Stage Trials Training Program. June, 2026.
3. Obtaining Funding for Intervention Optimization: Panel Discussion with Funders (Organizer and Facilitator). Intervention Optimization: Science and Practice, Present and Future. Bethesda, MD. May, 2026.
4. Obtaining Funding for Intervention Optimization: Roundtable Discussions with Funders (Organizer and Facilitator). Intervention Optimization: Science and Practice, Present and Future. Bethesda, MD. May, 2026.
5. Conundrums, Canards, and Chasms in Intervention Optimization (Organizer and Facilitator). Intervention Optimization: Science and Practice, Present and Future. Bethesda, MD. May, 2026.
6. Digital Adaptive Interventions: Common Misconceptions and Opportunities. NIH-NIDA T32 Training Program in The Science of Co-Occurring Disorders Seminar. April, 2026.
7. Digital Adaptive Interventions: Common Misconceptions and Opportunities. Mobile Health Training Institute (mHTi). April, 2026.
8. Digital Adaptive Interventions: Common Misconceptions and Opportunities. Prevention Research Center. Penn State; March, 2026.
9. Innovations in experimental designs for optimizing adaptive interventions. Keynote Presentation at the annual Conference of the Center for Health Promotion and Disease Prevention Research in Underserved Populations (CHPR). University of Texas at Austin; March, 2026.
10. Just In Time Adaptive Interventions: Opportunities, Misconceptions, and the Promise of AI-based Algorithms. NIH Digital Health Scientific Interest Group (SIG)'s Speaker Series. NIH. Bethesda, MD; January, 2026.

11. Novel Methods for Adapting & Personalizing Interventions. Department of Psychiatry. University of Michigan; December, 2025.
12. JITAIs and MRTs on MARS: Presentation and Panel Discussion—Using Just-In-Time Adaptive Interventions to Better Meet Patients' Needs and Increase Access to Care. Association for Behavioral and Cognitive Therapies (ABCT) Annual Convention. New Orleans, LA; November, 2025.
13. Novel Methods for Adapting & Personalizing Interventions. School of Nursing. University of Michigan; September, 2025.
14. Innovations in Just In Time Adaptive Interventions (JITAIs) for Substance Use Prevention and Treatment. Addiction Health Services Research (ASHR) Webinar Series; August, 2025.
15. Novel Methods for Adapting & Personalizing Services for SUD. NIH/NIDA Leadership Meeting; August, 2025.
16. Digital Adaptive Interventions: Common Misconceptions and Opportunities. Mobile Health Training Institute (mHTi). April, 2025.
17. Digital Adaptive Interventions: Common Misconceptions and Opportunities. NIH/NIA Roybal Annual Meeting. Bethesda, MD; April, 2025.
18. On Different Kinds of Adaptive Interventions: And Experimental Designs to Optimize Them. Psychosocial Oncology Grand Rounds. Dana-Farber Cancer Institute. Harvard University; October, 2024.
19. Leveraging Adaptive Technology ("Just-in-Time") Interventions for Aging and Alzheimer's Disease and Alzheimer's Disease-related Dementias NIH/NIA Workshop. Co-Chair and Presenter; October 2024.
20. On Different Kinds of Adaptive Interventions: And Experimental Designs to Optimize Them. Future Directions for Social and Behavioral Science Methodologies in the Next Decade: A Workshop. National Academies of Sciences, Engineering and Medicine; September 2024.
21. Methodological Consideration for JITAI studies: On Five Common Misconceptions. NIH/NIMH Workshop on Timely and Adaptive Strategies to Optimize Suicide Prevention Interventions; September 2024.
22. On adaptive interventions and SMART: An accessible introduction. School of Medicine/School of Public Health, Kyoto University, Japan; July 2024.
23. On SMARTs and MRTs. In 'Who Moved My Cheese?': Adapting to Adaptive and Contemporary Clinical Trial Designs. Training Session: Training Researchers to Advance Inclusion Networks (TRAIN); The Strategically Focused Research Network (SFRN) on the Science of Diversity in Clinical Trials; July 2024.
24. Optimizing the Integration Between Digital and Human-Delivered Components: Novel Experimental Approaches. The Orbit Training Institute. Florida State University College of Medicine; July 2024.
25. On Different Kinds of Adaptive Interventions: And Experimental Designs to Optimize Them. Department of Public Health Sciences. University of Virginia; May 2024.
26. Experimental Designs for Adapting Digital Interventions. mHealth Training Institute (mHTI). University of California, Los Angeles; May 2024.
27. On Different Kinds of Adaptive Interventions: And Experimental Designs to Optimize Them. Center for Healthy Minds. University of Wisconsin-Madison; May 2024.

28. On Different Kinds of Adaptive Interventions: And Experimental Designs to Optimize Them. Center for Advancement and Dissemination of Intervention Optimization. School of Global Public Health, New York University; April 2024.
29. On Different Kinds of Adaptive Interventions: And Experimental Designs to Optimize Them. World Bank: Poverty and Equity Global Practice; April 2024.
30. Novel Methods for Optimizing the Tailoring of Cancer Control Interventions. National Cancer Institute—Shady Grove Campus. Rockville, MD; February 2024.
31. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design. Stanford Mental Health Technology and Innovation Hub, Stanford University; January 2024.
32. Optimizing an Adaptive Digital Oral Health Intervention for Promoting Oral Self-Care Behaviors. Proctor and Gamble Research Center; January 2024.
33. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design. InCHIP Lecture Series, University of Connecticut; January 2024.
34. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design. Feinberg School of Medicine, Northwestern University; January 2024.
35. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design. Seminar at the College of Medicine, Florida State University; December 2023.
36. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design. Mini-Conference on Enhancing Causal Inference in Innovative Trial Designs. Department of Psychology, University of South Carolina; December 2024.
37. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design. Ground Rounds Presentation. Department of Psychiatry, Stanford University; December 2024.
38. Addressing Barriers to Mobile Health Research. Mobile Technologies in Health Research Symposium. University of Michigan. Ann Arbor, MI; November 2023.
39. Hybrid Experimental Designs for Optimizing Interventions at Varying Timescales. International Society for the Measurement of Physical Behavior; October 2023.
40. Optimizing the Adaptation and Personalization of SUD Services: Innovations in Intervention and Experimental Designs. Pre-Conference Workshop. Addiction Health Services Research (AHSR) Conference. New York, NY; October 2023.
41. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design. R3EDI: Rigorous, Rapid and Relevant Evidence Adaptation and Implementation to Ending the HIV Epidemic Webinar Series. School of Public Health, Yale University; September 2023.
42. Leveraging Digital Technology to Improve Employee Health and Well-Being: Innovations in Intervention Design and Experimentation. Disney Data & Analytics Conference (DDCA). Orlando, FL; August 2023.
43. Optimizing Adaptive Interventions. 23rd Annual Summer Institute on Randomized Behavioral Clinical Trials. Potomac, MD; July 2023.

44. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design (Key Note). Mobile Interventions Workshop. Bad Homburg, Germany; July 2023.
45. Optimizing the Integration Between Digital and Human-Delivered Components: Novel Experimental Approaches. The Orbit Training Institute. Florida State University College of Medicine; June 2023.
46. Innovations in Methods for Adapting and Personalizing Interventions for Cancer Control. Educational Session (Chair and Presenter): The Annual Meeting of the American Association for Cancer Research (AACR), Orlando, FL; April 2023.
47. On SMARTs and MRTs. In 'Who Moved My Cheese?': Adapting to Adaptive and Contemporary Clinical Trial Designs. Training Session: Training Researchers to Advance Inclusion Networks (TRAIN); The Strategically Focused Research Network (SFRN) on the Science of Diversity in Clinical Trials; April 2023.
48. Multimodal and Multilevel Adaptive Interventions: Innovations in Intervention and Experimental Design (with Daniel Almirall). NIH/NIA Roybal Centers for Translational Research Annual Meeting. Bethesda, MD; March 2023.
49. Hybrid Experimental Designs for Intervention Development. NIH/NHLBI Office of Biostatistics Research; February 2023.
50. Hybrid Experimental Designs for Intervention Development. Department of Psychology, University of Texas-Austin. Austin, TX; February 2023.
51. Novel Use of mHealth Data to Identify States of Vulnerability & Receptivity to JITAIs (Presented by Cho Lam). NIH Behavioral and Social Science Research Coordinating Committee (BSSR-CC) Meeting; February 2023.
52. MAPS Center: Methodologies for Adapting and Personalizing Prevention, Treatment, and Recovery Services for SUD and HIV. NIDA Addiction Services Research Centers Meeting: Providing Resources to the Field; January 2023.
53. Multimodal and Multilevel Adaptive Interventions: Innovations in Intervention and Experimental Design (with Daniel Almirall). The Center for Technology and Behavioral Health. Geisel School of Medicine, Dartmouth College; December 2022.
54. Hybrid Experimental Designs for Intervention Development. The George H. W. Bush Foundation for U.S.-China Relations; November 2022.
55. On SMARTs and MRTs. In: Who Moved my Cheese? Adapting to Adaptive and Contemporary Clinical Trial Designs. American Heart Association Research Leaders Academy Meeting. San Diego, CA; September 2022.
56. MCMTC: A pragmatic framework for selecting an experimental design to inform the development of digital interventions. mHealth Training Institute, University of California, Los Angeles; July 2021 (Virtual).
57. Mobile Intervention Design to Improve Health Outcomes (Discussant). NIH Digital Health Intervention workshop. July 2022 (Virtual).
58. Experimental Designs for Constructing Behavioral Interventions. NIH/NIMH Child Intervention, Prevention, and Services (CHIPS) Research Training Institute, University of California, Los Angeles; May 2022 (Virtual).

59. Introduction to the Data-Science for Dynamic Decision-Making Center. Injury Prevention Center Internal Advisory Committee Meeting. University of Michigan. March 2022 (Virtual).
60. Multimodal Adaptive Interventions (MADIs). Adaptive Interventions Workshop: Methods for Adaptive and Personalizing Prevention, Treatment, and Recovery Services for SUD. Addiction Health Services Research Conference. October 2021 (Virtual).
61. Multi-Component Interventions: An Organizing Framework for Selecting an Experimental Design. NIH Workshop on Methodological Approaches for Whole Person Research. September 2021(Virtual)
62. Experimental Designs for Constructing mHealth Interventions. mHealth Training Institute, University of California, Los Angeles; July 2021 (Virtual).
63. Introduction to Just-In-Time Adaptive interventions. PhD-level intervention class. Silver School of Social Work. NYU. May 2021 (Virtual).
64. Mobile Assistance for Regulating Smoking (MARS). mPower: NIH and NSF staff meeting on mobile health. March 2021 (Virtual).
65. Panel on Measurement Advances for Mechanisms of Behavior Change (co-chair). Ten Years of the Science of Behavior Change Common Fund Program Celebrating Accomplishments and Looking to the Future. NIH Science of Behavior Change. February 2021 (Virtual).
66. Just-In-Time Adaptive Interventions in Cancer Control. NCI interdisciplinary T32 training program in cancer care delivery research at the University of Michigan. February 2021 (Virtual).
67. Experimental Designs for Developing Multi-Component Interventions: On Factorial Designs, SMARTs and MRTs. Michigan Integrated Center for Health Analytics and Medical Prediction. December 2020 (Virtual).
68. Experimental Designs for Developing Multi Component Interventions: On Factorial Designs, SMARTs and MRTs. Department of Psychology, Princeton; November 2020 (Virtual).
69. MARS: Mobile Assistance for Regulating Smoking. NIH/OBSSR Intensive Longitudinal Health Behavior Network (ILHBN) Annual Meeting; November 2020 (Virtual).
70. Insights from the Engagement Working Group. (with Donna Spruijt-Metz). NIH/OBSSR Intensive Longitudinal Health Behavior Network (ILHBN) Annual Meeting; November 2020 (Virtual).
71. Experimental Designs for Developing Technology-Based Interventions: On Factorial Designs, SMARTs and MRTs. International Society for Traumatic Stress Studies. November 2020 (Virtual).
72. Translating Theoretically-Grounded Engagement Strategies into mHealth Setting: The Substance Abuse Research Assistant (SARA) Study. Maintaining Engagement with mHealth Technology: A Transdisciplinary Virtual Seminar; University of Southern California. October 2020 (Virtual).
73. Experimental Designs for Optimizing mHealth Interventions: On Factorial Designs, SMARTs and MRTs. Department of Psychiatry and Behavioral Sciences. University of Washington. Seattle, WA; December 2019.
74. Engagement in Intensive Longitudinal Data Collection. Panel on Intensive Longitudinal Assessment of Health and Behavior. Technology in Psychiatry Summit. Harvard University. Boston, MA; October 2019.

75. Engagement in Intensive Longitudinal Data Collection. NIH/OBSSR Intensive Longitudinal Health Behavior Network Annual Meeting. Harvard University. Boston, MA; October 2019.
76. Mentoring Graduate Students: Tips, Best Practices, and Life-Changing Stories from the Experts. Professional Development Workshop. Academy of Management Annual Meeting. Boston, MA; August 2019.
77. Experimental Designs for Constructing mHealth Interventions. mHealth Training Institute, University of California, Los Angeles; July 2019.
78. Just-In-Time Adaptive Interventions: Scientific Motivation and Key Components. Invited Symposia on mHealth in Action. Society for Prevention Research Annual Meeting. San Francisco, CA; May 2019.
79. Engagement and Health Behavior Change: The Role of Adaptive and Just-In-Time Adaptive Interventions. Clinical Science Forum: New Developments in the Clinical Science of Behavior Change. Association for Psychological Science Annual Convention. Washington, DC; May 2019.
80. Engagement in Mobile Health Studies (with Donna Spruijt-Metz and David Wetter). The Intensive Longitudinal Health Behavior Network (ILHBN). Online; February 2019.
81. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health. Department of Psychology, University of Michigan; February 2019.
82. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health. Department of Psychology, University of Zurich; December 2018.
83. Novel Use of mHealth Data to Identify States of Vulnerability and Opportunity to JITAI. NIH Intensive Longitudinal Health Behaviors Network Annual Meeting. Bethesda, MD; October 2018.
84. Experimental Designs for Building mHealth Interventions: Factorial Designs, SMARTs and MRTs. mHealth Training Institute, University of California, Los Angeles; August 2018.
85. Addressing Human Variability: Adaptive and Just-In-Time Adaptive Interventions. The Human Variability Project Workshop. Army Research Lab. Baltimore, MD; July 2018.
86. Micro-Randomized Trial to Investigate the Effects of Just-In-Time Prompts and Message Framing. The Micro-Randomized Trial Design for developing adaptive mobile health; invited session at the Society for Clinical Trials meeting. Portland, OR; May 2018.
87. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health. Huntsman Cancer Institute, University of Utah. Salt Lake City, Utah; May 2018.
88. Lightning Rounds on Just-In-Time Adaptive Interventions. Society for Behavioral Medicine Annual Meeting. New Orleans, LA; April 2018.
89. From Adaptive Interventions to Just-in-Time Adaptive Interventions (Dempsey [Speaker] & Nahum-Shani). Pre-Conference workshop on 'The Nuts and Bolts of Behavioral Intervention Development" at the Society for Behavioral Medicine Annual Meeting, New Orleans, LA; April 2018.
90. Novel Experimental Approaches to Designing Effective Multi-Component Interventions. Invited Pre-Conference workshop at the Society for Behavioral Medicine Annual Meeting; New Orleans, LA; April 2018.
91. Using Digital Data to Promote Behavior Change. Symposium on Consumer Goods as Agents of Sustainable Health. Proctor and Gamble Mason Research Center. Cincinnati, OH; March 2018.

92. Experimental Designs for Multi-Components Behavioral Intervention Development. Implementation Research Group; The Center for Evaluation and Implementation Resources. US Department of Veterans Affairs; Online Session; January 2018.
93. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health. Michigan Program in Survey Methodology (MPSM) Sponsors Briefing. University of Michigan. Ann Arbor, MI; October 2017.
94. Novel Longitudinal Methods for SMART Studies of Drug Use and HIV. The Methodology Center Annual Retreat. Penn State University. State College, PA; October 2017.
95. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health: Conceptual and Methodological Considerations. Department of Psychiatry and Behavioral Sciences, University of Washington. Seattle, WA; September, 2017.
96. Experimental Designs for Building mHealth Interventions: Factorial Designs, SMARTs and MRTs. mHealth Training Institute, University of California, Los Angeles; August 2017.
97. Experimental Designs for Constructing Multi-Component Behavioral Interventions. NIA/NIH Workshop on Innovating the Next Generation of Dementia and Alzheimer's Disease Care Interventions: Addressing the needs of caregivers, care providers, and persons living with dementia. National Institutes of Health, Rockville, MD; July 2017.
98. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health: Conceptual and Methodological Considerations. Department of Biomedical Data Science, Geisel School of Medicine, Dartmouth College. Lebanon, NH; July 2017.
99. Introduction to Adaptive Interventions and SMART studies. Novel Experimental Approaches to Designing Effective Multi-component Interventions. Invited Workshop; The Chicago Chapter of the American Statistical Association (ASA). Northwestern University, Chicago, IL; May, 2017.
100. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health: Conceptual and Methodological Considerations. Center for Drug Use and HIV Research (CDUHR) mHealth Mini Conference. NYU, New York, NY; April 2017.
101. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health. Department of Psychiatry & Neurobehavioral Sciences, School of Medicine, University of Virginia, Charlottesville, VA; December 2016.
102. Introduction to Adaptive Interventions. IES Principal Investigator's Conference. Washington, DC; December 2016.
103. From Adaptive to Just-In-Time Adaptive Interventions. Institute for Translational Research in Children's Mental Health 2nd Annual Symposium: Building a Science of Personalized Intervention for Children's Mental Health. University of Minnesota, Minneapolis, MN; October 2016.
104. Experimental Designs and Data Analytic Methods for Building mHealth Interventions. mHealth Training Institute, University of California, Los Angeles; August 2016.
105. Experimental Designs for Building mHealth Interventions. NIH Global mHealth Research Training Institute. Bethesda, MD; June 2016.
106. Just in Time Adaptive Interventions: Scientific Motivation and Key Components. Invited talk at the Cross-Cutting Theme Program: Breaking Free—Intersecting Perspectives on the Science of Behavior Change. Association for Psychological Science Convention, Chicago, IL; May 2016.

107. From Adaptive to Just-In-Time Adaptive Interventions. Workshop on Methodological Approaches to Designing Adaptive Interventions in Mobile Health; Association for Psychological Science Convention, Chicago, IL; May 2016.
108. Building Just-In-Time Adaptive Interventions in Mobile Health: The Role of Micro-Randomized Trials (Organizer and Speaker). Pre-Conference workshop at the Society for Behavioral Medicine Annual Meeting, Washington, DC; March 2016.
109. From Adaptive Interventions to Just-in-Time Adaptive Interventions (Dempsey [Speaker] & Nahum-Shani). Pre-Conference workshop on 'The Nuts and Bolts of Behavioral Intervention Development' at the Society for Behavioral Medicine Annual Meeting, Washington, DC; March 2016.
110. Adaptive Interventions for Health Behavior Change: What, Why and How? Center for Economic and Social Research, University of Southern California. Los Angeles, CA; Feb, 2016.
111. On Adaptive Interventions and SMARTs. School of Nursing Methodology Series Workshop, University of Michigan, Ann Arbor, MI; Feb 2016.
112. Adaptive Interventions for Health Behavior Change: What, Why and How? Department of Psychology, Rice University. Huston, TX; December 2015.
113. Adaptive Interventions in Educational Research. IES Principal Investigator's Conference. Washington, DC; December 2015.
114. Just In Time Adaptive Interventions for Promoting Mental Health Among College Students (White Paper). NSF Workshop on College Student Health. Chicago, IL; July 2015.
115. Introduction to Adaptive Intervention and Associated Methodologies. IES Technical Working Group Meeting on SMARTs in Education Research. Washington DC; July 2015.
116. Getting SMART: Experimental Design Methods for Developing Adaptive Interventions. Pre-conference workshop; annual Meeting of the Society for Prevention Research, Washington, DC, May 2015.
117. Getting SMART: Experimental Design and Analysis Methods for Developing Adaptive Interventions; 1-Day Workshop at the UCSF Division of Prevention Sciences & Department of Epidemiology & Biostatistics, University of California, San Francisco; May 2015.
118. mHealth Research Methodology. mHealth Training / NIH mHealth Summit 2014. Washington DC; December 2014.
119. On SMART and Factorial Designs: Application to mHealth Research. mHealth evidence wireless workshop; Wireless Health 2014. Bethesda, MD; October 2014.
120. On SMART and Factorial Designs: Application to mHealth Research. mHealth evidence NIH/OBSSR Panel. Bethesda, MD; October 2014.
121. Experimental Designs for Developing mHealth Interventions. NIH/OBSSR online mHealth training. July 2014.
122. Pre-Meeting Conference Workshop on the Design and Conduct of Sequential Multiple Assignment Randomized Trials. Society for Clinical Trials Meeting. Philadelphia, PA; May 2014.
123. From SMART to Just in Time Adaptive Interventions. NIH Workshop on Innovative Study Designs and Methods for Developing, Testing and Implementing Behavioral Interventions. Bethesda, MD, April 2014.
124. mHealth Research Methods and Design. Instructor in NIH/OBSSR brief mHealth training (online). Bethesda, MD, March 2013.

125. mHealth Research Methods and Design. Instructor in NIH/OBSSR mHealth training. Bethesda, MD, Dec 2013.
126. On MOST, SMART and Factorial Designs. Center for Technology and Behavioral Health, Department of Psychiatry, Geisel School of Medicine at Dartmouth, Dartmouth College, November 2013.
127. On MOST, SMART and Factorial Designs. The National Institute on Drug Abuse's Division of Clinical Neuroscience & Behavioral Research (DCNBR): Meeting on Overcoming Barriers and Making Adolescent Drug Abuse Treatment More Community, Bethesda, MD, June 2013.
128. Being SMART about Adapting Interventions: An Introduction to Adaptive Interventions and SMART designs; Pre-conference workshop on Tobacco Use Treatment Development: Challenges, Opportunities, & New Methods, Society for Research on Nicotine and Tobacco's 19th Annual Meeting, March 2013.
129. Designing Work-Based Brief Interventions for At-Risk Drinking: The SMART Way. Research project presented at the Stanford Prevention Research Center, Stanford University School of Medicine, Stanford, CA; February 2013.
130. Supervisor Support: Does it Buffer or Exacerbate the Adverse Effects of Supervisor Undermining? Seminar presented at the Department of Psychology, Virginia Tech; January, 2013.
131. Optimizing Technology-Based Interventions: The SMART Experimental Approach. Seminar presented at the Stanford Prevention Research Center, Stanford University School of Medicine, Stanford, CA; January 2013.
132. Q-learning: A Data Analysis Method for Developing Behavioral Interventions. Seminar presented at the Department of Psychology, University of North Carolina at Chapel Hill, Chapel Hill, NC; December 2012.
133. MHealth Research and Experimental Designs: Beyond Randomized Control Trials. Training session at the NIH/mHealth 2012 training workshop, Washington DC; November 2012.
134. Supervisor Support: Does it Buffer or Exacerbate the Adverse Effects of Supervisor Undermining? Paper presented at Ross School of Business, University of Michigan, Ann Arbor MI; November 2012.
135. Experimental Designs for Intervention Development. National Strategic Summit on creating a roadmap for physical activity, lifestyle and comparative effectiveness research. Arizona State University, Phoenix, AZ, October 2012.
136. Experimental Designs for Intervention Development. NIH SOBC Revisiting Pasteur's Quadrant: Use-Inspired Basic Research, Bethesda, MD, October 2012.
137. Supervisor Support: Does it Buffer or Exacerbate the Adverse Effect of Supervisor Undermining. Paper presented at the Department of Psychology, area of Personality & Social Context seminar, University of Michigan, April 2012.

FORMAL TEACHING/WORKSHOPS

2026 ***Methods for Adapting and Personalizing Cancer Control Interventions (MAPCI)*** Training institute at the Data Science for Dynamic Decision-Making Center (d3c) University of Michigan, February 2026

2025 ***The Comprehensive Program for Adaptive Interventions Training in Education (CATIE)***
Training institute at the Data Science for Dynamic Decision-Making Center (d3c)
University of Michigan, February 2025

2024 ***Future of Adaptive Interventions Research (FAIR) Summit***
Training institute at the Data Science for Dynamic Decision-Making Center (d3c)
University of Michigan, October 2024

Optimizing Digital Interventions: The MOST Way
Pre-Conference Workshop
International Society for Research on Internet Interventions Annual Meeting
Limerick, Ireland, June 2024

The Comprehensive Program for Adaptive Interventions Training in Education (CATIE)
Training institute at the Data Science for Dynamic Decision-Making Center (d3c)
University of Michigan, February 2024

2023 ***Introduction to Adaptive Interventions and Just-In-Time Adaptive Interventions***
Workshop at the College of Nursing
University of South Carolina, December 2023

Adaptive Interventions for Substance Use and HIV: Advances in Intervention Delivery Frameworks and Experimental Designs
Workshop at the Center for AIDS Prevention Studies
University of California San Fracisco, October 2023

The Comprehensive Program for Adaptive Interventions Training in Education (CATIE)
Training institute at the Data Science for Dynamic Decision-Making Center (d3c)
University of Michigan, March 2023

2022 ***Introduction to Adaptive Interventions and SMARTs***
Workshop to T32 trainees in cancer research and addiction,
at the University of Utah and the University of Michigan.
January 2022

Optimizing Digital Interventions: The MOST Way
Pre-Conference Workshop
International Society for Research on Internet Interventions Annual Meeting
Pittsburgh, PA, September 2022

2021 ***Getting SMART about Adaptive Interventions in Education***
Training institute at the Data Science for Dynamic Decision-Making Center (d3c)
University of Michigan.
November 2021

2019 ***Experimental Designs for Mobile Health (mHealth) Interventions***

Workshop at the College of Nursing and Health Innovation
Arizona State University, February 2019

Introduction to Adaptive Interventions and SMARTs
Workshop at the College of Nursing
University of South Carolina, November 2019

Getting SMART about Adaptive Interventions in Education
Training institute at the Data Science for Dynamic Decision-Making Lab (d3lab)
University of Michigan, March 2019

2018 ***Introduction to Adaptive and Just-In-Time Adaptive Interventions in Mobile Health: Conceptual and Methodological Considerations***
Workshop at the Department of Psychology
University of Zurich, December 2018

2014 ***Summer Institute on Innovative Methods***
Experimental Design and Analysis Methods for Developing Adaptive Interventions: Getting SMART
Funded by NIH/NIDA
University of Michigan, June 2014

2013 ***Quantitative Methodology Program Seminar***
Survey Research Center, Institute for Social Research
University of Michigan, 2013

Methods for Just In Time Adaptive Interventions
Workshop funded by SRC/ISR, NIH/NIDA, Mcubed
University of Michigan, August 2013

2011-2012 ***Advanced Regression Analysis***
The international summer workshop series in advanced research methods
Tel Aviv University, Israel

2008 ***Multivariate Analysis***
Faculty Supervisor: Prof. Ayala Cohen
Department of Industrial Engineering and Management
Technion, Israel Institute of Technology

2007 ***Statistics for Managers (MBA Program).***
Department of Industrial Engineering and Management
Technion, Israel Institute of Technology

2006 ***Leadership and Organizations,*** Guest Instructor
School of Education, Haifa University, Israel

SERVICE

Editorial Board: - Academy of Management Discoveries (2015-Present)

- Guest Editor, Frontiers in Digital Health, Research Topic: Digital Technology for Tobacco Control (2021-2022)
- Editor, Annals of Behavioral Medicine, Special Issue: Intervention Optimization: Building More Impactful Adaptive Behavioral and Biobehavioral Interventions (2025-Present)

Advisory Board:

- Center for Technology and Behavioral Health; Dartmouth (2015-present)
- Northeast Node of the National Drug Abuse Treatment Clinical Trials Network (2015-present)
- DSMB: Enhancing Engagement with Digital Mental Health (R01 MH125179; 2021-present)
- DSMB: Optimizing Engagement in Digital Mental Health Services Among Sexual and Gender Minority Consumers (K01MH131795; 2024-present)
- Methodology advisor, NIH/FNIH initiative: Developing Evidence-Based Music Therapies for Brain Disorders of Aging (2021)
- Co-organizer/Co-chair: NIH/NIA Workshop on Leveraging Technology-based Adaptive Interventions to Reduce the Risk for AD/ADRD (2024)
- Member, External Advisory Board, UMass Center for Clinical and Translational Science (2025-Present)

Leadership:

- Chair, Search Committee for a Research Professor (open rank), Survey Research Center (SRC), Institute for Social Research (2018)
- Chair (elected), NIH/OBSSR Intensive Longitudinal Health Behavior Network (2020-2021)
- Co-Lead, Institute for Social Research, SRC's COVID-19 Task Force (2021-2022)
- Chair, Roybal Data and Safety Monitoring Board, NIH/NIA Behavioral and Social Research, Clinical Trials Office (2024-Present)
- Member, Board of Directors, Association of Addiction Health Services Research (ASHR)(2026-Present)
- Member, Pre-Conference Workshop Committee, Addiction Health Services Research (ASHR) Annual Meeting (2026)
- Co-Organizer (with Linda, M. Collins), Intervention Optimization Conference; Bethesda, MD. May, 2026

Promotion Review:

- Medical School, University of Virginia: Assistant Professor to Associate Professor
- School of Nursing, University of Nevada: Assistant Professor to Associate Professor
- School of Public Health, Johns Hopkins University: Assistant Professor to Associate Professor
- Medical School, Brown University: Assistant Professor to Associate Professor
- Population Health Sciences Department, University of Utah: Associate Professor to Professor

Journal Reviewer:

- *Annals of Behavioral Medicine*
- *Behavior Research Methods*
- *Biometrics*
- *Clinical Child and Family Psychology Review*
- *Clinical Trials*
- *Clinical Psychology: Science and Practice*
- *Contemporary Clinical Trials*
- *Health Psychology*
- *Health Psychology Review*
- *Human Relations*
- *Industrial Relations*
- *Journal of Applied Psychology*
- *Journal of Health and Social Behavior*
- *Journal of Medical Internet Research*
- *Journal of Occupational Health Psychology*
- *Journal of Organizational Behavior*
- *Journal of Organizational and Occupational Psychology*
- *Journal of the American Statistical Association*
- *Perspectives in Psychological Science*
- *Psychology of Addictive Behaviors*
- *Psychological Methods*

Conference Reviewer

- Society for Behavioral Medicine Annual Meeting (2023)
- Addiction Health Services Research (ASHR) Annual Meeting (2026)
- Intervention Optimization Conference (2026)

Grant Application Reviewer:

- Ministry of Science, Technology and Space, Israel (2016)
- Swiss National Science Foundation (2016)
- National Institutes of Health: NIDA Avant-Garde Award Program for HIV/AIDS and Drug Use Research (2018)
- ETH Zurich Research Commission: Mobile Digital Health (2019)
- National Institutes of Health: Risk, Prevention and Health Behavior Integrated Review Group (2020)
- Center for Technology and Behavioral Health (CTBH); Dartmouth College (2017-2020)
- National Institutes of Health: NIMH Review Panel— Clinical Trials to Test the Effectiveness of Treatment, Preventive, and Services Interventions (2021)
- National Institutes of Health: NHLBI Review Panel—Early Intervention to Promote Cardiovascular Health of Mothers and Children (ENRICH) Multisite Resource and Coordinating Center (2021)
- Israel Science Foundation (2022)
- The Wellcome Trust charitable foundation: Early-Career Award (2022)
- National Institutes of Health: NIDA HEAL Initiative Review Panel (2022)
- National Institutes of Health: NCCIH Training and Education Review Panel (2022)

- National Institutes of Health: NIDA Centers (P30 P50) Study Section (2023)
- National Institutes of Health: NIDA Panel on Ending the HIV Epidemic: Justice-Involved Populations (2023)
- Institute of Education Sciences: Social and Behavioral Two Peer Review Panel (2024)
- National Institutes of Health: NIA Clinical Trials Review Panel (2024)
- National Institutes of Health: NIDA Reaching Equity at the Intersection of HIV and Substance Use Review Panel (2024)
- National Institutes of Health: NIDA Diversity Scholars Network Program: Mock Reviewer (2024)
- National Institutes of Health: NIDA Special Emphasis Review Panel (2024).
- National Institutes of Health: NCCIH Special Emphasis Review Panel (2025).
- Israel Science Foundation (ISF): Proposal Reviewer (2026).
- National Institutes of Health: NCI T32 and R25 Review Panel (April, 2026)
- National Institutes of Health: NCI T32 and R25 Review Panel (May, 2026)
- Israeli Ministry of Innovation, Science and Technology: Proposal Reviewer (2026).

Consulting on Funded Projects:

- NIH/NIMH R01 MH113722 (PI: Meffert)
- NIH/NINR R01 NR017635 (PI: Buchholz)
- NIH/NCI R01 CA225877 (PIs: Cadmusbertram, Phillips)
- NIH/NIDA R34 DA046367 (PI: Carrico)
- NIH/NHLBI R01 HL132578 (PI: Levine)
- NIH/NIDDK R01 DK124428 (PI: Stanger)
- NIH/NIAAA T32AA007477 (PI: Blow)
- NIH/NCI T32 CA236621 (PI: Friese)
- NIH/NIMH P30 MH062294-19S2 (PI: Spiegelman)
- DoD PR203509, W81XWH-20-PRMRP-CTA (PI: Garland)
- NIH/NIMH F31 MH122101 (PI: Hong)

Mentorship on Funded Early Career Awards:

1. NIH/NIAAA K01 AA024500 (PI: Tiura)
2. NIH/NIMH K23 MH113776 (PI: Czyz)
3. NIH/NIMH K23 MH122504 (PI: Buck)
4. NIH/NIAAA K23 AA028232 (PI: Coughlin)
5. NIH/NIDA K23 DA048181 (PI: Watson)
6. NIH/NCI K99 CA252604 (PI: Potter)
7. NIH/NCCIH K23AT010879 (PI: Goldberg)
8. NIH/NIAAA K23AA030602 (PI: Marks)
9. NIH/NIDDK K23DK134764 (PI: Berinstein)
10. NIH/NIMH K23MH136332 (PI: Cancilliere)
11. NIH/NIMH K23MH137389 (PI: Graham Holmes)
12. NIH/NCI K01CA308941 (PI: Jones)
13. NIH/NIMH K23 MH141149 (PI: Grau)
14. NIH/NCCIH K01 K01AT013764 (PI: Williams)