

**Nandita Krishnan, PhD**  
Curriculum Vitae

**EDUCATION**

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May 2022	PhD	<b>George Washington University</b> Milken Institute School of Public Health Department of Prevention and Community Health <i>Track: Social and Behavioral Sciences</i> Advisor: Lorien C. Abrams	Washington, DC
May 2017	MSPH	<b>Johns Hopkins University</b> Bloomberg School of Public Health Department of International Health <i>Track: Social and Behavioral Interventions</i> Advisor: Joel Gittelsohn	Baltimore, MD
May 2013	BA	<b>Johns Hopkins University</b> Public Health Studies, Psychology minor	Baltimore, MD

**PROFESSIONAL EXPERIENCE**

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07/2022-Present    **Stanford University**    *Postdoctoral Fellow*  
General Internal Medicine, Palo Alto, CA

Lead data analyses and manuscripts for projects aimed at improving chronic disease care and prevention. Apply causal inference methods, such as regression discontinuity, to large electronic health record datasets to assess the effectiveness of clinical interventions for chronic disease management.

08/2019-04/2022    **Milken Institute School of Public Health**    *Graduate Research Assistant*  
Center on Commercial Determinants of Health, Washington, DC    *(Volunteer)*

Support implementation of an SMS-based survey to assess commercially produced food and beverage consumption among young adults in Zambia. Assist with data analysis and manuscript writing for various center projects

09/2018-04/2022    **Milken Institute School of Public Health**    *Graduate Research Assistant*  
Department of Prevention and Community Health, Washington, DC

Manage projects on liver cancer, text messaging interventions for smoking and vaping cessation, and social media interventions to promote COVID vaccine uptake. Responsible for creating intervention content and implementing interventions. Perform data analysis, compile project reports, lead and support manuscript writing, and participate in internal and extramural grant proposal development. Administrative duties include developing and managing IRB applications, coordinating with project teams within and across institutions, and training and supervising undergraduate and masters level research assistants.

10/2017-07/2018    **Johns Hopkins Bloomberg School of Public Health**    *Research Program Assistant II*  
Department of Health, Behavior and Society, Baltimore, MD

Performed qualitative data collection and analysis for a study on the PrEP program in Baltimore City Health Department STD clinics. Supported development of IRB application materials, grant preparation and data analysis.

03/2018                    **The Overseas Development Institute (ODI)**                    *Consultant*  
Drafted meeting report and brief for the Advancing Social Norms Practice: Social Norms Convening Meeting hosted by the Bill and Melinda Gates Foundation.

12/2017                    **United Nations Population Fund (UNFPA)**                    *Consultant*  
Created a database of three indicators (proportion of youth, elderly, and demand for family planning satisfied by modern methods) for the Demographic Dividend Atlas. Extracted data from DHS and MICS household surveys and IPUMS census surveys. Wrote Stata programs to calculate indicators and create maps at the regional level for 121 UNFPA program countries.

10/2016-12/2017        **Johns Hopkins University**                    *Senior Research Assistant*  
School of Medicine, Baltimore, MD,  
Implemented COach2Quit, a smoking cessation pilot randomized controlled trial. Recruited and enrolled 102 participants, collected and analyzed data, and provided smoking cessation counseling. Worked with app developers to create and test the interface for the COach2Quit app and resolve technical issues.

07/2017                    **Institute for Reproductive Health**                    *Consultant*  
Georgetown University, Washington, DC  
Analyzed baseline surveys to examine correlates of modern family planning use and intimate partner violence for the USAID: Transforming Masculinities Project.

07/2016-10/2016        **Johns Hopkins University**                    *Student Co-investigator*  
School of Medicine, Baltimore, MD,  
Perinatal HIV Research Unit, Klerksdorp, South Africa  
Designed and implemented a qualitative evaluation of a smoking cessation trial for people living with HIV in Klerksdorp, South Africa. Assisted with conducting formative research to inform the development of Matla Mobile, an mHealth program to provide HIV and TB test results to patients in government clinics through their cell phones.

12/2015-05/2016        **Johns Hopkins Bloomberg School of Public Health**        *Graduate Research Assistant*  
Global Obesity Prevention Center, Baltimore, MD  
Recruited participants, collected data from children and caregivers, and conducted interactive sessions at corner stores in low-income neighborhoods of Baltimore city to promote healthier food items for the B'more Health Communities for Kids study.

07/2013-04/2015        **Madras Diabetes Research Foundation**                    *Research Assistant*  
Department of Epidemiology, Chennai, India  
Administered comprehensive health surveys, collected anthropometric measurements, supervised administration of glucose tolerance test and blood sample collection, and explained test results to study participants in the **C**ARDIometabolic **R**isk **R**eduction in South Asia (CARRS) surveillance study. Trained and led a four-member team for a GIS study on the impact of the built environment on cardiometabolic diseases.

## **PUBLICATIONS**

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### Peer-reviewed publications

1.        **Krishnan, N.**, Gittelsohn, J., Ross, A., Elf, J., Chon, S., Niaura, R., Martinson, N., & Golub, J. E. (2018). Qualitative Exploration of a Smoking Cessation Trial for People Living With HIV in South Africa. *Nicotine & Tobacco Research*, 20(9), 1117–1123. <https://doi.org/10.1093/ntr/ntx139>

2. Ross, A., **Krishnan, N.**, Ruggiero, C., Kerrigan, D., & Gittelsohn, J. (2018). A mixed methods assessment of the barriers and readiness for meeting the SNAP depth of stock requirements in Baltimore's small food stores. *Ecology of Food and Nutrition*, 57(2), 94–108. <https://doi.org/10.1080/03670244.2017.1416362>
3. **Krishnan, N.**, Elf, J. L., Chon, S., & Golub, J. E. (2019). COach2Quit: A Pilot Randomized Controlled Trial of a Personal Carbon Monoxide Monitor for Smoking Cessation. *Nicotine & Tobacco Research*, 21(11), 1573–1577. <https://doi.org/10.1093/ntr/nty182>
4. Ross, A., **Krishnan, N.**, Panchal, J., Brooks, J. K., Lloyd, E., Lee, T. J., & Gittelsohn, J. (2019). Formative Research for an Innovative Smartphone Application to Improve Distribution of Healthy Foods to Corner Stores in Baltimore City. *Ecology of Food and Nutrition*, 58(1), 3–22. <https://doi.org/10.1080/03670244.2018.1553778>
5. Yang, C., **Krishnan, N.**, Painter, J. E., & Latkin, C. (2019). The Association Between Disclosure of Same Sex Behavior to Healthcare Providers and PrEP Awareness Among BMSM in Baltimore. *AIDS and Behavior*, 23(7), 1888–1892. <https://doi.org/10.1007/s10461-019-02401-2>
6. Yang, C., **Krishnan, N.**, Kelley, E., Dawkins, J., Akolo, O., Redd, R., Olawale, A., Max-Browne, C., Johnsen, L., Latkin, C., Page, K. R., & Davey-Rothwell, M. (2020). Beyond HIV prevention: a qualitative study of patient-reported outcomes of PrEP among MSM patients in two public STD clinics in Baltimore. *AIDS Care*, 32(2), 238–241. <https://doi.org/10.1080/09540121.2019.1622639>
7. DiAndreth, L., **Krishnan, N.**, Elf, J. L., Cox, S., Tilchin, C., Nthulana, M., Jarrett, B., Kronis, N., Dupuis, E., Motlhaoleng, K., Chon, S., Martinson, N., & Golub, J. E. (2020). Formative research for an mHealth program to improve the HIV care continuum in South Africa. *AIDS Care*, 32(6), 744–748. <https://doi.org/10.1080/09540121.2019.1640850>
8. Chiang, S. C., Abroms, L. C., Cleary, S. D., Pant, I., Doherty, L., & **Krishnan, N.** (2019). E-cigarettes and smoking cessation: a prospective study of a national sample of pregnant smokers. *BMC Public Health*, 19(1), 964. <https://doi.org/10.1186/s12889-019-7299-7>
9. Abroms, L. C., Heminger, C. L., Boal, A. L., Van Alstyne, J. M., & **Krishnan, N.** (2020). Text2Quit: An analysis of user experiences with a mobile smoking cessation program. *Journal of Smoking Cessation*, 15(1), 23–28. <https://doi.org/10.1017/jsc.2019.22>
10. **Krishnan, N.**, Gu, J., & Abroms, L. C. (2021). Mobile phone-based messaging for tobacco cessation in low and middle-income countries: A systematic review. *Addictive Behaviors*, 113, 106676. <https://doi.org/10.1016/j.addbeh.2020.106676>
11. Berg, C. J., Duan, X., Romm, K., Pulvers, K., Le, D., Ma, Y., **Krishnan, N.**, Abroms, L. C., Getachew, B., & Henriksen, L. (2021). Young Adults' Vaping, Readiness to Quit, and Recent Quit Attempts: The Role of Co-use With Cigarettes and Marijuana. *Nicotine & Tobacco Research*, 23(6), 1019–1029. <https://doi.org/10.1093/ntr/ntaa265>
12. Shah, B., **Krishnan, N.**, Kodish, S. R., Yenokyan, G., Fatema, K., Burhan Uddin, K., Rahman, A., & Razzak, J. (2020). Applying the Three Delays Model to understand emergency care seeking and delivery in rural Bangladesh: a qualitative study. *BMJ Open*, 10(12), e042690. <https://doi.org/10.1136/bmjopen-2020-042690>
13. Berg, C. J., **Krishnan, N.**, Graham, A. L., & Abroms, L. C. (2021). A synthesis of the literature to inform vaping cessation interventions for young adults. *Addictive Behaviors*, 119, 106898. <https://doi.org/10.1016/j.addbeh.2021.106898>
14. Abroms, L. C., Wu, K. C., **Krishnan, N.**, Long, M., Belay, S., Sherman, S., & McCarthy, M. (2021). A Pilot Randomized Controlled Trial of Text Messaging to Increase Tobacco Treatment Reach in the Emergency Department. *Nicotine & Tobacco Research*, 23(9), 1597–1601. <https://doi.org/10.1093/ntr/ntab036>

15. Lahiri, S., Snowden, B., Gu, J., **Krishnan, N.**, Yellen, H., & Ndiaye, K. (2021). Multidisciplinary Team Processes Parallel, Natural Disaster Preparedness and Response: A Qualitative Case Study. *International Journal of Disaster Risk Reduction*, 102369. <https://doi.org/10.1016/j.ijdr.2021.102369>
16. **Krishnan, N.**, Abrams, L.C., & Berg, C.J. (2022). Electronic nicotine product cessation and cigarette smoking: analysis of waves 3 and 4 from the PATH study, *Nicotine & Tobacco Research*, 24(3), 324–332. <https://doi.org/10.1093/ntr/ntab155>
17. **Krishnan, N.**, Gu, J., Tromble, R., & Abrams, L. C. (2021). Research note: Examining how various social media platforms have responded to COVID-19 misinformation. *Harvard Kennedy School (HKS) Misinformation Review*. <https://doi.org/10.37016/mr-2020-85>
18. **Krishnan, N.**, Abrams, L.C., Robien, K., Le, D., Yang, Y.T., & Aduli, F. (2021). Characteristics of incident liver cancer cases in the District of Columbia metropolitan area. *Cancer Health Disparities*. doi:10.9777/chd.2021.1005
19. Baker, J., **Krishnan, N.**, Abrams, L.C., & Berg, C.J. (2022) The impact of tobacco use on COVID-19 outcomes: A systematic review. *Journal of Smoking Cessation*, 5474397. <https://doi.org/10.1155/2022/5474397>
20. **Krishnan, N.**, Berg, C.J., Elmi, A., Klemperer, E.M., Sherman, S.E., & Abrams, L.C. (2022). Predictors of electronic nicotine product quit attempts and cessation: Analysis of waves 3 and 4 of the PATH study. *Addictive Behaviors*. <https://doi.org/10.1016/j.addbeh.2022.107419>

#### Manuscripts in progress

1. **Krishnan, N.**, Siddiqi, K., Dogar, O., Gabe, R., & Keding, A. (accepted). Predictors of long-term smoking abstinence in TB patients: secondary analysis of a randomized controlled trial.
2. **Krishnan, N.**, Berg, C.J., Elmi, A.F., Klemperer, E.M., Sherman, S.E., & Abrams, L.C. (under review). Trajectories of ENDS and cigarette use: Analysis of waves 1 to 5 of the PATH study.
3. **Krishnan, N.**, Berg, C.J., Le, D., Ahluwalia, J., Graham, A.L., Abrams, L.C. (under review). A pilot randomized controlled trial of automated and counselor-delivered text messages for e-cigarette cessation.

#### **PRESENTATIONS**

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1. **Krishnan, N.** *COach2Quit – a smartphone application to promote smoking cessation*. February 2017. Oral Pecha-Kucha presentation at Johns Hopkins Bloomberg School of Public Health Digital Health Day, Baltimore, MD.
2. **Krishnan, N.** *Qualitative evaluation of a smoking cessation trial for people living with HIV in South Africa*. March, 2017. Poster presentation at Johns Hopkins Bloomberg School of Public Health Global Health Day, Baltimore, MD.
3. **Krishnan, N.**, & Abrams, L.C. *A narrative review of mCessation programs in low and middle-income countries*. March 2020. Poster presentation at the 2020 Annual Meeting of the Society for Research on Nicotine and Tobacco, New Orleans, LA.
4. **Krishnan, N.**, & Abrams, L.C. *Predictors of cessation for participants in a randomized controlled trial of a text-messaging program for smoking cessation*. March 2020. Poster presentation at the 2020 Annual Meeting of the Society for Research on Nicotine and Tobacco, New Orleans, LA.
5. Abrams, L.C., Chiang, S.C., Cleary, S.D., Pant, I., Doherty, L., & **Krishnan, N.** *E-cigarettes and smoking cessation: a prospective study of a national sample of pregnant smokers*. March 2020. Poster presentation at the 2020 Annual Meeting of the Society for Research on Nicotine and Tobacco, New Orleans, LA.

6. **Krishnan, N.**, Abrams, L.C., & Berg, C.J. *Electronic nicotine product discontinuation and cigarette smoking: analysis of waves 3 and 4 from the PATH study*. Poster presentation at the 2021 Annual Meeting of the Society for Research on Nicotine and Tobacco, Virtual.
7. **Krishnan, N.**, Berg, C.J., & Abrams, L.C., *Comparing predictors of electronic nicotine product quit attempts and cessation: analysis of waves 3 and 4 from the PATH study*. Paper plus presentation at the 2022 Annual Meeting of the Society for Research on Nicotine and Tobacco, Baltimore, MD.

## **PROFESSIONAL SERVICE**

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*Abstract Reviewer* Society of Behavioral Medicine 2019 Annual Meeting  
Society for Research on Nicotine and Tobacco 2021 Annual Meeting

*Assistant to the Guest Editors* Health Education & Behavior: Health Promotion in the Era of Social Media and Digital Communication, December 2019 supplement

### *Ad Hoc Peer Reviewer*

Reviewed manuscripts on various topics such as tobacco use and cessation, mHealth, and health behavior, for the following peer-reviewed journals:

#### Since 2018:

- Nicotine and Tobacco Research
- Journal of Medical Internet Research
- Substance Use and Misuse
- Tobacco Induced Diseases
- Journal of Smoking Cessation
- Health Education and Behavior

## **HONORS AND AWARDS**

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2016 **Global Health Established Field Placement Award (\$3,500)**  
Johns Hopkins Center for Global Health

2020 **Capital Connection Fund Award (\$500)**  
Milken Institute School of Public Health

## **TEACHING**

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2022 **Milken Institute School of Public Health** *Guest Lecturer*

Delivered 2 guest lectures on examining social media platform responses to COVID-19 misinformation, and developing text messaging programs for health behavior change, for the MPH-level course Advanced Public Health Communication: Theory and Practice

## **OTHER EDUCATION AND TRAINING EXPERIENCES**

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**Latent Class/Cluster Analysis and Mixture Modeling**, Curran-Bauer Analytics, 5 days, May 2021, Online

**Graduate Teaching Assistant Certification**, George Washington University, 2019, Online

**Thriving in an Academic Career Workshop**, Johns Hopkins University, 2 days, May 2018, Baltimore, MD

**Tobacco Dependence Treatment Specialist Training**, Rutgers University, 5 days, February 2017, New Brunswick, NJ

## **FIELD COMPETENCIES AND OTHER SKILLS**

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*International field experience* India, South Africa, Zambia (remote)

*Languages*

English, Tamil (fluent), Spanish (intermediate)

*Software proficiency*

Stata, R, Atlast.ti, Dedoose, NVivo, RedCap