

CURRICULUM VITAE

SAMRACHANA ADHIKARI, PHD
180 Madison Avenue
New York, NY, USA
Work phone: 646-501-3647
Work email: samrachana.adhikari@nyulangone.org

CURRENT ACADEMIC APPOINTMENTS

2018 - Present Assistant Professor (Tenure eligible), Division of Biostatistics
Affiliated faculty, Section for Global Health
Department of Population Health (DPH)
New York University Grossman School of Medicine (NYUGSOM)

EDUCATION AND TRAINING

Education

Year	Degree	Field	Institution
2011	B.A.	Mathematics & Economics	Mount Holyoke College (MHC), South Hadley, MA
2012	M.S.	Statistics	Carnegie Mellon University (CMU), Pittsburgh, PA
2016	Ph.D.	Statistics	CMU

Postdoctoral Training

2016-2018 Biostatistics Prof. Sharon-Lise Normand, Department of Healthcare Policy,
Harvard Medical School, Boston, MA

PREVIOUS APPOINTMENTS AND LEADERSHIP POSITIONS

2019 - 2021 Visiting Faculty NepAl Applied Mathematics and Informatics Institute for Research
Kathmandu, Nepal

AWARDS AND HONORS

External

2009 Paul F. Mcguire Bequest Fund (MHC)
– fellowship to accomplish an internship at MannDeshi Microfinance, India
2010 Research Experience for Undergraduate Fellowship

National Institute of Mathematical and Biomedical Sciences, University of Tennessee, Knoxville TN

- 2011 Summa cum laude in Statistics, Statistics Department Award, Phi Beta Kappa, MHC
- 2013 Data Science for Social Good Fellow, University of Chicago
- 2015 Mihaela Serban Memorial Travel Award, CMU
- 2016 AIS SIGHealth Best Paper Award
- 2019 AcademyHealth and the Robert Wood Johnson Foundation Paradigm Community Selected to Participate in Revolutionizing the Health Services Research Paradigm: A Design Thinking-based Learning Community
- 2020 Johnson & Johnson Women in Stem (WiSTEM2D) Scholar in Math

RESEARCH ACTIVITY

Research Activities Personal statement: My research interest lies in the intersection of development of new statistical methods as well as applications of these methods in collaborative research. My statistical methodological research has focused on 1. Machine learning methods for prediction in Electronic Health Records (EHR) data, 2. Bayesian social network analysis, and 3. Causal inference from observational data. I have further contributed to NIH-funded scientific collaborations as co-PI and co-investigator by leading protocol development and statistical analyses, developing and implementing state-of-the-art statistical methods, and supporting interpretation and dissemination. Both my independent methodological work as well as collaborative work have been published in high impact journals, featured in media outlets, and recognized by various organizations, including the NIH, in form of grant support and honorary award.

Grant History

Current

Funding Agency NIH	Role	Effort	Project Title	Start Date	End Date	Total Direct Costs
NHLBI (Blecker /Adhikari) 1R01HL155149	MPI	25%	Generalizable prediction of medication adherence in heart failure	3/15/21	2/28/26	\$1,883,161
NIA (Dodson) 5R01AG062520	Co-I	15%	Rehabilitation: At Home Using Mobile Health in Older Adults after Hospitalization for Ischemic Heart Disease (Resilient)	7/15/19	4/30/24	\$1,944,024
NHLBI (Dodson) 5R01HL148275	Co-I	2.5%	Behavioral Economics Trial to Enhance Regulation of Blood Pressure (BETTER-BP)	9/17/19	7/31/24	\$2,241,753
NIH (Simon/ Milad) 1R01AT011257-01A1	Co-I	8%	Elucidating Neural Mechanisms and Sex Differences in Response to Mindfulness Based Stress Reduction in Generalized Anxiety Disorder	7/15/21	4/30/26	\$2,124,740
NIH (Brotman / Dawson-McClure) R01HD106547	Co-I	5%	Multi-level evidence-based intervention to reduce health and education disparities among children of color in high-poverty schools in historically disinvested neighborhoods hardest hit by the pandemic.	9/24/21	7/31/25	\$2,463,937
NIH (Vedanthan/Naik) 1R01ES033222	Co-I	10%	Effectiveness of Indoor Air Purifiers on Heart Failure Outcomes (The PURI-HF Trial)	9/25/21	6/30/26	\$1,000,000
NIH (Huang/Kumar) 1R21MH124149-01A1	Co-I	15% yr 3+	Implementing a Digital Adolescent Behavioral Health Screening, Literacy,	8/1/21	6/30/23	\$148,214

			and Low-Intensity Intervention for Common Adolescent Mental Health Problems in Kenya			
NIH/NICHD (Yin) 5R21HD100804-02	Co-I	5%	Leveraging Health Literacy-informed Technology-based Approaches to Support Safe Medication Use By Parents After Discharge of Infants from the Neonatal Intensive Care Unit	3/12/20	2/28/22	\$275,000
Non-NIH						
CDC (Thorpe) 5U01DP006299	Co-I	10%	Component A: Impact of Community Factors on Geographic Disparities in Diabetes and Obesity Nationwide	9/30/17	9/29/22	\$2,220,194
Johnson & Johnson	PI	0%	Agent Based Modeling for Pragmatic trials	1/1/20	12/31/22	\$88,496
EU Commision Harokopio University (Vedanthan)	Co-I	5%	DIGICARE4U	4/1/21	9/30/25	\$132,509
Overdeck Family Foundation(Brotman)	Co-I	2.5%	ParentCorps Effectiveness in District Schools- Elementary (PEDS-E)	9/1/2020	08/01/2023	\$2,000,000
Bezos Family Foundation(Brotman)	Co-I	2.5%	ParentCorps Effectiveness in Early Education Centers- Elementary (PEEEC-E)	9/1/2020	08/01/2022	\$909,091
FDA (Yin)	Co-I	1.75%	Leveraging the EHR to Promote Pharmacy Adoption of Dosing Best Practices and Reduce Parent Errors in Administering Pediatric Liquid Medications A Health literacy-informed Approach	9/30/20	9/30/22	\$235,986

Completed

Funding Agency	Role	Effort	Project Title	Start Date	End Date	Total Direct Costs
NIH						
5R21HL140474 (Vedanthan)	Co-I	10%	SPatial Analysis of Cardiovascular Events (SPACE) in the Golestan Cohort Study	9/1/2017	8/31/2020	\$75,000
NIH/NIMHHD (Trinh-Shevrin) 5U54MD000538-18	Co-I	10%	Machine Learning to Inform Family- and Population-Centered Approach to Mental Health Programming: Reducing Mental Health Disparities in Asian American Children NYU Center for the Study of Asian American Health Pilot award	9/30/03	6/30/22	\$882,992
NIH/NINR(Chodosh) 5R01NR016461-04	Co-I	5%	Improving Sleep Using Mentored Behavioral and Environmental Restructuring	9/14/17	7/31/21	\$1,686,711
NIH (Wu / Luo) (Wu / Luo) 1R56AG067619-01	co-I Sub PI	15%	Pathway of co-occurrence of poor oral health and diabetes to Alzheimer's disease and related dementia (ADRD) and mortality	9/15/20	8/31/22	\$374,061
NIH (Vedanthan / Pastakia) 1R56HL150036-01	Co-I	10%	PT4A (Peers and Technology for Adherence, Access, Accountability, and Analytics)	9/25/20	8/31/21	\$533,633
Non-NIH						
CDC (Thorpe/ Elbe)	Co-I	10%	Impact of Covid-19 on Diabetes Outcomes Nationwide (supplement)	9/30/20	9/29/21	\$471,976

EDUCATION ACTIVITY

Teaching Activities

11/2016 — Introduction to the Models, Clustering and Graphical Representations for Social Network Analysis: Social Networks Seminar/ CEP991B, Prof. Ken Frank, Graduate Students, **Guest co-lecturer**, Department of Counseling, Educational Psychology and Special Education, Michigan State University

12/2017 — Assessment Concepts and Methods In Psychiatric Epidemiology/ EPI219, Dr. Deborah Blacker, Graduate Students, **Guest Lecturer**, Department of Epidemiology, Harvard T.H. Chan School of Public Health

12/2018 — Introduction to Machine Learning, Graduate Students, **Instructor**, Nepal

Winter School in Artificial Intelligence, Kathmandu, Nepal

02/2019 — Introduction to the Models, Clustering and Graphical Representations for Social Network Analysis: Social Networks Seminar, Prof. Ken Frank, Graduate Students, **Guest co-lecturer**, Department of Counseling, Educational Psychology and Special Education, Michigan State University

Spring 2020 — Advanced Regression Modeling, Graduate Level Course for PhD students in Epidemiology, **Course Co-Director**, NYUSOM

Spring 2021 — Advanced Regression Modeling, Graduate Level Course for PhD students in Epidemiology and Population Health, **Course Co-Director**, NYUSOM

Spring 2022 — Advanced Regression Modeling, Graduate Level Course for PhD students in Epidemiology and Population Health, **Course Co-Director**, NYUSOM

Invited Talks and Teaching of Peers

Internal

Sponsored by NYU Langone Health

11/2017 — Invited speaker, Division of Biostatistics, Non-parametric Bayesian Instrumental Variable Method with Heterogenous Treatment Effects, Department Seminar, DPH, NYUSOM

05/2019 — Invited speaker, Prediction with Rare Outcome: A Cautionary Tale, Department Seminar, DPH, NYUSOM

04/2020 — Invited speaker, Prediction with Rare Outcome: A Cautionary Tale, Translational Research in Progress Seminar, NYUSOM

Sponsored by all other NYU schools

04/2020 — Invited speaker, Prediction with Rare Outcome: A Cautionary Tale, Perspectives in Public Health: Doctoral Colloquium, Department of Epidemiology, NYU School of Global Public Health

09/2020 — Invited speaker, Department of Applied statistics, A unified framework for the latent variable approach to statistical social network analysis, PRIISM Seminar Series, NYU Steinhardt

External to NYU Langone Health and all other NYU schools

10/2014 — Invited speaker, Statistical Analysis of Real-World Network, Invited talk at the Math and Stat club, Department of Mathematics, Mount Holyoke College, South Hadley, MA

10/2015 — Invited speaker, Longitudinal Latent Space Network Model with Application in Education, Invited talk at the MoRRE research group, Department of Educational Psychology Quantitative Methods Program, University of Texas, Austin, TX

08/2016 — Invited speaker, Longitudinal Latent Space Network Model with VAR Evolution, Invited session in Social Science Section, Joint Statistical Meeting, 2016, Chicago, IL

10/2017 — Invited speaker, Post PhD academic life, Invited talk at the Women in Statistics Group seminar series, Department of Statistics and Data Science, CMU, Pittsburgh, PA

11/2017 — Invited speaker, Causal Inference in Observational Data with Unmeasured Confounding, Department Seminar, Department of Statistics and Actuarial Science, University of Waterloo, Canada

05/2019 — Invited speaker, Prediction with Rare Outcome: A Cautionary Tale, Annual Thomas Ten Have Symposium on Statistics in Mental Health, New Haven, CT

11/2019 — Invited speaker, Survival analysis with spatial risk-factors in R, Radies NYC, New York, NY

06/2021 — Invited speaker, Role of Data Science in Medical Decision Making, AI and Society Speaker Series, Global Institute of Integrated Studies, Kathmandu, Nepal, Virtual

06/2021 — Invited speaker, Role of Data Science in Medical Decision Making, Department of Computer Science, Tribhuvan University, Kathmandu, Nepal, Virtual

07/2021 — Invited speaker, Role of Data Science in Medical Decision Making, Women in Data Science, Kathmandu, Nepal, Virtual

08/2021 — Invited speaker, Role of Data Science in Medical Decision Making, Janssen Data Science Learning Group, Virtual

08/2021 — Invited Discussant, Evaluating causal effects using incomplete data with interference in public health research, Topic Contributed Session, Joint Statistical Meetings, Virtual

11/2021 — Invited speaker, A unified framework for the latent variable approach to statistical social network analysis, Classification Society Meeting, Lewisville, PA

04/2022 — Invited speaker, TBD, Math-Stat colloquium, Swarthmore College, PA

08/2022 – Invited speaker, TBD, International Society of Clinical Biostatistician Conference, New Castle, UK

Mentoring and Advising

Predoctoral students supervised and/or mentored

2019 - Present	Nicholas Pantaleo	Epidemiology, Dissertation cochair (with Dr. Lorna Thorpe)
01/2019 - 08/2019	Jaelyn Szymonifka	Biostatistics, Rotation advisor
01/2019 - 08/2019	Nicholas Pantaleo	Biostatistics, Rotation advisor
01/2021 - 04/2021	Carlos Samuels	Biostatistics, Rotation advisor
05/2021 - 08/2021	Gayatri Maria Schur	MD/PhD graduate program, Rotation advisor
10/2021 - 12/2021	Steven Lawrence	Biostatistics, Rotation advisor
10/2021 - 12/2021	Shiying Yu	Population health, Rotation advisor
01/2020 - Present,	Jasmyn Abrams	Epidemiology, Dissertation Committee
09/2019 - Present	Tabitha F. Julien	Epidemiology, Dissertation Committee
09/2019 - Present	Melanie Baker	Epidemiology, Dissertation Committee
09/2019 - 08/2020	Jinchun Zhang	Biostatistics, Dissertation Committee
06/2020 - 08/2021	Nina Orwitz	Biostatistics, Dissertation Committee

Postdoctoral students supervised and/or mentored

08/2021 - Present	Seungha Um	Post doctoral fellow (biostatistics), DPH, NYUSOM
09/2019 - Present	Angela Aifah	T-32 Post Doctoral Fellow Department of Population Health, Biostatistics advisor on a diversity supplement (Current: Assistant Professor of Population Health)

Faculty mentored

02/2019 - Present	Alexander F. Glick	Assistant Professor, Department of Pediatrics Advisor in biostatistics for K23-grant proposal (Awarded)
02/2021 - Present	Carol Duh-Leong	Assistant Professor, Department of Pediatrics Advisor in biostatistics for K23-grant proposal

INSTITUTIONAL, LOCAL/NATIONAL SERVICE AND RELATED ACTIVITY

Institutional Service

2018 - Present	Biostatistics Seminar, Organizer, Division of Biostatistics, DPH, NYUSOM
2018 - 11/2019	Biostatistics Journal Club, Organizer, Division of Biostatistics, DPH, NYSOM

- 2019 - Present Causal Inference Working Group, Co-organizer, DPH, NYUSOM
- 2019 - Present Machine Learning for Good Lab, Faculty member, NYU
- 2020 - 2021 DPH Anti Racism Coalition, Member, NYUSOM

Professional Service for Professional Organizations

- 2020 Program chair, Biometrics Section of the American Statistical Association

Peer Review Groups, Grant Application Review Groups, and Study Sections

- 2019 Review panel: Ontario Research Fund: Advanced Health Technologies
- 2021 Study Sections, National Institutes of Health (NIH) (ad hoc member of Clinical Data Management and Analysis study section)
- 2021 Special Emphasis Panels/Scientific Review Groups: NIH National Cancer Institute Program Project V (P01)

Advisory Boards and Consultant Positions

- 2021 - Present Data and Safety Monitoring Board (DSMB) for R33 study funded by NIMH/NIH (role: statistician)

Organizing Roles in Scientific Meetings

- 2018 Organizing Committee, First Nepal Winter School in Artificial Intelligence
Nepal Applied Mathematical Institute for Research, Kathmandu, Nepal
- 2019 Organizing Committee, Nepal Winter School in Artificial Intelligence
Nepal Applied Mathematical Institute for Research, Pokhara, Nepal
- 2020 Organizer and moderator, Invited Session on 'New Avenues for Network Analysis in Health Policy Research:
Social networks in the context of selection, peer influence and mediation"
International Conference on Health Policy and Statistics, San Diego, CA

Editorial and Journal Positions

Ad Hoc Reviewer

AI for Social Good Workshop, ICML 2019 and ICRL 2019

Bayesian Analysis

Biostatistics

BJPsych Open, Nature Communications

Clinical Journal of the American Society of Nephrology

JAMA Network Open

Journal of Behavioral Statistics

National Science Foundation

Robert Wood Johnson Foundation Health Data for Action Proposal

Statistical Methods & Applications

Statistics in Medicine

BIBLIOGRAPHY

Peer-reviewed Publications

1. S. Somanchi, **S. Adhikari**, A. Lin, E. Eneva, R. Ghani. “Early prediction of cardiac arrest (code blue) using electronic medical records”.KDD '15 Proceedings of the 21th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, 2119–2126. New York, NY, USA. 2015.
Winner of the AIS SIGHealth 2016 Best Paper Award Competition
2. J. P. Spillane, M. Shirrell, and **S. Adhikari**. “Constructing “Experts” Among Peers: Educational Infrastructure, Test Data, and Teachers’ Interactions About Teaching”. Educational Evaluation and Policy Analysis, 40(4), 586–612. 2018.
3. **S. Adhikari** and B. Dabbs. “Social Network Analysis in R: A Software Review.” Journal of Educational and Behavioral Statistics, 43(2), 225–253. 2018.
4. **S. Adhikari***, F. Lecci*, J. T. Becker, B. W. Junker, O. L. Lopez, and R. J. Tibshirani. “High-dimensional longitudinal classification with multinomial fused lasso”. Statistics in Medicine. 2019.
5. **S. Adhikari**, S. Rose and S-L. T. Normand. “Non-parametric Bayesian instrumental variable method with heterogenous treatment effects”. Journal of the American Statistical Association. 1-26. 2019.
6. M. Minen, **S. Adhikari**, E. Seng, T. Berk, S. Jinich, S. Powers, and R. Lipton. “Smartphone Based Migraine Behavioral Therapy: A Single Arm Study with Assessment of Mental Health Predictors”. npj Digital Medicine. Jun 4;2(1):46. 2019.
7. T. Sweet and **S. Adhikari**. “A latent space model for network influence”. Psychometrika. 1-24. 2020.

8. B. Dabbs, **S. Adhikari** and T. M. Sweet. Conditionally independent dyads (CID) network models: A latent variable network approach. *Social Networks* 63. 122-133. 2020.
9. H. Reynolds, **S. Adhikari**, et al. “Renin–Angiotensin–Aldosterone System Inhibitors and Risk of Covid-1.” *New England Journal of Medicine*. 2020 May 1.
10. R. Haberman, J. Axelrad, A. Chen+, R. Castillo, D. Yan, P. Izmirly, A. Neimann, **S. Adhikari**, D. Hudesman, JU. Scher. Covid-19 in immune-mediated inflammatory diseases—case series from New York. *New England Journal of Medicine*. 2020 Apr 29.
11. R. H. Haberman, R. Castillo, A. Chen +, D. Yan, D. Ramirez, V. Sekar, R. Lesser, G. Solomon, A. L. Niemann, R. B. Blank, P. Izmirly, D. E. Webster, A. Ogdie, A. B. Troxel, **S. Adhikari**, J. U. Scher (2020), COVID-19 in Patients with Inflammatory Arthritis: A Prospective Study on the Effects of Comorbidities and DMARDs on Clinical Outcomes. *Arthritis Rheumatol*. Accepted Author Manuscript. doi:10.1002/art.41456
12. **S. Adhikari***, N. P. Pantaleo*+, J. M. Feldman, O. Ogedegbe, L. Thorpe, A. B. Troxel. “Assessment of Community-Level Disparities in Coronavirus Disease 2019 (COVID-19) Infections and Deaths in Large US Metropolitan Areas.” *JAMA Network Open* 3.7 (2020): e2016938-e2016938.
13. Berger, J. S. Kunichoff, D.+ , **S. Adhikari**, Ahuja, T., Amoroso, N., Aphinyaphongs, Y., ... & Parnia, S. (2020). Prevalence and Outcomes of D-Dimer Elevation in Hospitalized Patients With COVID-19. *Arteriosclerosis, Thrombosis, and Vascular Biology*, ATVBAHA-120.
14. Lewis, T. C., **S. Adhikari.**, Tatapudi, V., Holub, M., Kunichoff, D.+ , Troxel, A. B., ... & Sterman, D. H. (2020). A Propensity-Matched Cohort Study of Tocilizumab in Patients With Coronavirus Disease 2019. *Critical care explorations*, 2(11).
15. Minen, M. T., **S. Adhikari.**, Padikkala, J., Tasneem, S., Bagheri, A., Goldberg, E., ... & Lipton, R. B. (2020). Smartphone-Delivered Progressive Muscle Relaxation for the Treatment of Migraine in Primary Care: A Randomized Controlled Trial. *Headache: The Journal of Head and Face Pain*.
16. Gorenstein, S.A., Castellano, M.L., Slone, E.S., Gillette, B., Liu, H., Alsamarraie, C., Jacobson, A.M., Wall, S.P., **S. Adhikari**, Swartz, J.L. and McMullen, J.J., 2020. Hyperbaric oxygen therapy for COVID-19 patients with respiratory distress: treated cases versus propensity-matched controls. *Undersea & hyperbaric medicine: journal of the Undersea and Hyperbaric Medical Society, Inc*, 47(3), pp.405-413.

17. Ogedegbe, G., Ravenell, J., **S. Adhikari**, Butler, M., Cook, T., Francois, F., Iturrate, E., Jean-Louis, G., Jones, S.A., Onakomaiya, D. and Petrilli, C.M., 2020. Assessment of racial/ethnic disparities in hospitalization and mortality in patients with COVID-19 in New York city. *JAMA network open*, 3(12), pp.e2026881-e2026881.
18. Na, Peter, **S. Adhikari**, et. al. "Post-traumatic Distress Symptoms and Their Response to Treatment in Adults With Prolonged Grief Disorder". *J Clin Psychiatry*. In Press.
19. Antoinette Schoenthaler, Franzenith De La Calle, Amanda Soto, Derrel Barrett, Jocelyn Cruz, Leydi Payano, Marina Rosado, **S. Adhikari**, Gbenga Ogedegbe & Milagros Rosal. "Bridging the evidence-to-practice gap: a stepped-wedge cluster randomized controlled trial evaluating practice facilitation as a strategy to accelerate translation of a multi-level adherence intervention into safety net practices. " *Implement Sci Commun* 2, 21 (2021). <https://doi.org/10.1186/s43058-021-00111-2>
20. Mia T. Minen, Sarah Corner, Thomas Berk, Valeriya Levitan, Steven Friedman, **S. Adhikari** , Elizabeth B. Seng, "Heart rate variability biofeedback for migraine using a smartphone application and sensor: A randomized controlled trial", *General Hospital Psychiatry*, Volume 69, 2021, Pages 41-49, ISSN 0163-8343.
21. Mia T. Minen, Benjamin W. Friedman, **S. Adhikari**, Sarah Corner, Scott W. Powers, Elizabeth K. Seng, Corita Grudzen, Richard B. Lipton, "Introduction of a smartphone based behavioral intervention for migraine in the emergency department", *General Hospital Psychiatry*, Volume 69, 2021, Pages 12-19, ISSN 0163-8343
22. Thomason, M.E., Palopoli, A.C., Jariwala, N.N., Werchan, D.M., Chen, A., **S. Adhikari**, S., Espinoza-Heredia, C., Brito, N.H. and Trentacosta, C.J., 2021. "Miswiring the brain: Human prenatal $\Delta 9$ -tetrahydrocannabinol use associated with altered fetal hippocampal brain network connectivity." *Developmental Cognitive Neuroscience*, p.101000.
23. Blecker, S., **S. Adhikari**, Zhang, H., Dodson, J. A., Desai, S. M., Anzisi, L., ... & Mann, D. M. (2021). Validation of EHR medication fill data obtained through electronic linkage with pharmacies. *Journal of Managed Care & Specialty Pharmacy*, 27(10), 1482-1487.
24. Kakpovbia, E., Ugonabo, N., Chen, A., **S. Adhikari**, Ogbechie-Godec, O. A., Sicco, K. L., & Shapiro, J. (2021). Impact of Laboratory Work Up and Supplementation on Alopecia Patients: A Single-Center Retrospective Chart Review. *Journal of Drugs in Dermatology: JDD*, 20(7), 807-809.
25. Rummo, P. E., Algur, Y., McAlexander, T., Judd, S. E., Lopez, P. M., **S. Adhikari**, ... & Elbel, B. (2021). Comparing competing geospatial measures to capture

the relationship between the neighborhood food environment and diet. *Annals of Epidemiology*.

26. Haberman, R. H., Herati, R., Simon, D., Samanovic, M., Blank, R. B., Tuen, M., . . . , **S. Adhikari**, . . . , & Scher, J. U. (2021). Methotrexate hampers immunogenicity to BNT162b2 mRNA COVID-19 vaccine in immune-mediated inflammatory disease. *Annals of the Rheumatic Diseases*.
27. Kanchi, R., Lopez, P., Rummo, P. E., Lee, D. C., **S. Adhikari**, Schwartz, M. D., ... & Thorpe, L. E. (2021). Longitudinal Analysis of Neighborhood Food Environment and Diabetes Risk in the Veterans Administration Diabetes Risk Cohort. *JAMA network open*, 4(10), e2130789-e2130789.
28. **S. Adhikari**, T. M. Sweet and B. W. Junker. Analysis of Longitudinal Advice-Seeking Network following Implementation of High Stake Testing. *Journal of Royal Statistical Society- Series A*. 2021.
29. **S. Adhikari**, S-L. T. Normand, J. Bloom, D. Shahian and S. Rose. (2021) Revisiting Performance Metrics for Prediction with Rare Outcomes. *Statistical Methods in Medical Research*.
30. H. Luo, B. Wu, A. R. Kramer, **S. Adhikari**, F. Sloan, B. L. Plassman, C. Tan, X. Qi, M. D. Schwartz. Oral Health, Diabetes, and Inflammation: Effects of Oral Hygiene Behaviour. *International Dental Journal*. 2021.
31. L. Thorpe, **S. Adhikari**, et. al. Neighborhood Socioeconomic Environment and Risk of Type 2 Diabetes: Associations and Mediation through Food Environment Pathways in Three Independent Study Samples. *Diabetes Care*. Accepted.
32. J. A. Dodson; A. Schoenthaler; G. Sweeney; A. Fonceva; A. Pierre; J. Whiteson; B. George; K. Marzo; W. Drewes; L. Rerisi; R. Mathew; H. Aljayyousi; S. I. Chaudhry; A. M. Hajduk; T. M. Gill; D. Estrin; L. Kovell; L. A. Jennings; **S. Adhikari**. Rehabilitation at home using mobile health in older adults after hospitalization for ischemic heart disease: Design of the RESILIENT Randomized Controlled Trial. *JMIR Research Protocols*. Accepted.

Pre-prints and Non peer-reviewed publications

1. J. Spertus, **S. Adhikari**, & S. L. Normand (2017). "Regularization and Hierarchical Prior Distributions for Adjustment with Health Care Claims Data: Rethinking Comorbidity Scores." arXiv preprint arXiv:1711.05243.
2. **S. Adhikari** & N. Pantaleo (2021). Review 2: "The Unequal Burden of the Covid-19 Pandemic: Racial/Ethnic Disparities in US Cause-Specific Mortality". *Rapid Reviews COVID-19*.

Software & code: R packages - publicly available at CRAN

1. Primary author and maintainer of HLSM: “Hierarchical Latent Space Network Model”
2. Co-author of CIDnetworks

Abstracts

1. Talmor, N., Mukhopadhyay, A., Xia, Y., **S. Adhikari**, Pulgarin, C., Iturrate, E., ... & Reynolds, H. (2020). Sex Differences in Myocardial Injury and Outcomes of Covid-19 Infection. *Circulation*, 142(Suppl 3), A16449-A16449.
2. Haberman, R., **S. Adhikari**, Ramirez, D., Lydon, E., Attur, M., Neimann, A., ... & Scher, J. (2019, October). The Paradoxical Effect of Depression on Psoriatic Arthritis Outcomes in a Combined Psoriasis-Psoriatic Arthritis Center. In *ARTHRITIS & RHEUMATOLOGY* (Vol. 71). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY.
3. Haberman, R., **S. Adhikari.**, Ramirez, D., Lydon, E., Attur, M., Lovisi, B., ... & Scher, J. (2019, October). Assessing Risk of PsA Progression: Results from a Combined Psoriasis-PsA Center Cohort. In *ARTHRITIS & RHEUMATOLOGY* (Vol. 71). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY.
4. Minen, M., **S. Adhikari.**, Seng, E., Berk, T., Jinich, S., Powers, S., & Lipton, R. (2019, September). Smartphone Based Migraine Behavioral Therapy in the Neurology Office. In *CEPHALALGIA* (Vol. 39, pp. 235-237). 1 OLIVERS YARD, 55 CITY ROAD, LONDON EC1Y 1SP, ENGLAND: SAGE PUBLICATIONS LTD.
5. Na, P., **S. Adhikari**, Chen, A., Szuhany, K., Suzuki, R., Malgaroli, M., ... & Simon, N. (2019, December). Traumatic Distress Symptom Clusters in Complicated Grief: Response to Treatment. In *NEUROPSYCHOPHARMACOLOGY* (Vol. 44, No. SUPPL 1, pp. 84-85). MACMILLAN BUILDING, 4 CRINAN ST, LONDON N1 9XW, ENGLAND: NATURE PUBLISHING GROUP.
6. Hadley, M., Nalini, M., **S. Adhikari**, Szymonifka, J., Etemadi, A., Kamangar, F., ... & Vedanthan, R. (2019). Spatial Risk Factors Impact Cardiovascular Mortality: Analysis From the Golestan Cohort Study. *Circulation*, 140(Suppl 1), A13476-A13476.
7. Na, P., **S. Adhikari**, Chen, A., Szuhany, K., Suzuki, R., Malgaroli, M., ... & Simon, N. (2019, December). Traumatic Distress Symptom Clusters in Complicated Grief: Response to Treatment. In *NEUROPSYCHOPHARMACOLOGY* (Vol. 44, No. SUPPL 1, pp. 84-85). MACMILLAN BUILDING, 4 CRINAN ST, LONDON N1 9XW, ENGLAND: NATURE PUBLISHING GROUP.

8. KANCHI, R., LOPEZ, P. M., RUMMO, P. E., LEE, D. C., **S. Adhikari**, SCHWARTZ, M. D., ... & THORPE, L. (2021). 1109-P: The Effect of Neighborhood Food Environment on Diabetes Risk: A Multilevel Analysis of the Veterans Administration Diabetes Risk Cohort.
9. Seixas, A., Pantaleo, N., **S. Adhikari**, Grandner, M., & Jean-Louis, G. (2021). 694 Insufficient sleep linked with higher COVID-19 infection cases and deaths in the United States. *Sleep*, 44(Suppl 2), A271.

Media appearances

1. 2020, In Atlanta, A Wave Of Coronavirus Deaths And The Questions Left In Its Wake. NPR.
2. 2020, Even in Wealthy Areas of the U.S., People of Color Are More Likely to Get and Die from Coronavirus, Study Says. TIME.
3. 2020, Black and Hispanic Americans living in poor areas are EIGHT TIMES more likely to catch coronavirus and die of the infection - and those living in rich neighborhoods still face a three-fold higher risk than white people. Daily Mail.
4. 2020, Income Doesn't Explain COVID-19's Racial Disparities. Global Health Now.

New York, December 22, 2021