

CONTACT

INFORMATION Department of Biostatistics anmishra@uw.edu
 University of Washington (612)-756-3866
 Box 357232
 Seattle, WA 98195

EDUCATION

University of Washington, Seattle, WA 2013 - present
 Ph.D., Biostatistics (**in progress**)
 Dissertation: *Methods for Risk Models from a Decision-Analytic Perspective*

George Washington University, Washington, D.C. 2011 - 2013
 M.S., Biostatistics

Macalester College, St. Paul, MN 2007 - 2011
 B.A., Mathematics (Minor: Statistics)

PROFESSIONAL
EXPERIENCE

Fred Hutchinson Cancer Research Center, Seattle, WA
Research Assistant, Microbicide Trials Network 2013 - present

Elizabeth Glaser Pediatric AIDS Foundation, Washington, D.C.
Research Assistant 2012-2013

TEACHING
EXPERIENCE

University of Washington, Seattle, WA
Teaching Assistant, Department of Biostatistics

- Biost 515/518: Biostatistics II Winter 2017
- Biost 511: Medical Biometry Fall 2015

George Washington University, Washington, D.C
Teaching Assistant, Department of Biostatistics and Epidemiology

- PubH 6002: Biostatistical Applications for Public Health Fall 2012
- PubH 6249: Data Management and Data Analysis Techniques Spr. 2013

Macalester College, St. Paul, MN
Teaching Assistant, Department of Mathematics

- Math 155: Introduction to Statistical Modeling 2010-2011

PUBLICATIONS Akello, C.A., Bunge, K.E., Nakabiito, C., Mirembe, B.G., Fowler, M.G., **Mishra, A.**, Marrazzo, J., Chirenje, Z.M., Celum, C. and Balkus, J.E., (2017) “Contraceptive Use and Pregnancy Incidence Among Women Participating in an HIV Prevention Trial.” *Journal of Women’s Health* 26.6 (2017): 670-676

Balkus, J. E., Nair, G., Montgomery, E. T., **Mishra, A.**, Palanee-Phillips, T., Ramjee, G., Panchia, R., Selepe, P., Richardson, B.A., Chirenje, Z.M. and Marrazzo, J.M & Marrazzo, J. M. (2015) “Age-disparate partnerships and risk of HIV-1 acquisition among South African women participating in the VOICE Trial.” *JAIDS, Journal of Acquired Immune Deficiency Syndromes*, 70(2), 212-217.

(Under Review) Matovu, F. K., Brown, E., **Mishra, A.**, Nair, G., Palanee-Phillips T., Mgodi, N., Nakabiito, C., Chakhtoura, N., Hillier, S., and Baeten, J. “Acquisition of sexually transmitted infections among women using a variety of contraceptive options: a prospective study among high-risk African women.”

(Under Review) **Mishra, A.**, Buzkova, P., Balkus, J. E., Brown, E. “Accounting for Informative Sampling in Estimation of Associations between Sexually Transmitted Infections and Hormonal Contraceptive Methods.”

PRESENTATIONS “Weighted Recalibration for Improved Clinical Utility of Risk Scores.” Western North American Region (WNAR) of the International Biometric Society Conference. June 2018, Edmonton, CA {*Contributed*}

“Weighted Logistic Regression for Improved Clinical Utility of Risk Scores.” StatNorthwest Conference. April 2018, Seattle WA {*Poster*}

“Adjusting for Informative Sampling in STI Incidence Estimation.” Microbicide Trials Network Analytics Working Group. July 2017, Seattle, WA

“A Bayesian Interpretation of Decision Curves.” UW Biostatistics Department, Student Seminar. Mar. 2017, Seattle WA

“Comparing Optimal Bayes Decisions to Decision Curve Analysis.” UW Biostatistics Retreat. Sept. 2016, Seattle, WA {*Poster*}

“Adapting Mixture Models to Gene Expression Data.” UW Biostatistics Retreat. Sept. 2014, Semiahmoo, WA {*Poster*}

AWARDS AND SCHOLARSHIPS	WNAR Most Outstanding Written Paper	2018
	Gertrude M. Cox Honorable Mention	2013
	Ezra J. Camp Award in Mathematics	2011

SERVICE	Bureau of Fearless Ideas, Youth Tutor	2018 - Present
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	Statistics Without Borders, Research Officers	2018 -Present
	University of Washington, Department of Biostatistics	
	<i>Member</i> , Student-Faculty Relations Committee	2017-2018
	<i>Member</i> , Alumni Relations Committee	2015-2016
MEMBERSHIP	International Biometrics Society	2018-present
	American Statistical Society	2014-present
	Delta Omega Honors Society - Omega Chapter	2013-present
RESEARCH INTERESTS	Decision theory, Risk model development and evaluation, Survival analysis, Global Health, HIV and STIs, Women's Health	
COMPUTING SKILLS	R, Stata, SAS	