

Deanna J Marriott Isaman

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EDUCATION

University of Michigan	Ann Arbor, MI	2004	PhD	Biostatistics
Ohio State University	Columbus, OH	1995	MAS	Statistics
Wright State University	Dayton, OH	1994	BS	Mathematics

EXPERIENCE**Academic Appointments**

Research Assistant Professor	University of Michigan, School of Nursing	2006-2008
Assistant Research Scientist	University of Michigan, School of Nursing	2004-2006

Research Appointments

Statistician, Expert	University of Michigan, Dept of Biostatistics	2016-
Research Associate	Regenstrief Institute for Health Care, Indiana University	1995-1998

Statistical Consulting Experience

Statistical Consultant	Hygieia, Inc	2018-
Statistical Consultant	Ouroboros Project, UM Dept of Germanic Lit.	2014-2016
Statistical Consultant	Hands Project, University of Chicago	2006-2008
Research Assistant Professor	Grants and Research Office, UM School of Nursing	2004-2008

Teaching and Training

Graduate Research Assistant	University of Michigan, Dept of Biostatistics	2000-2004
Graduate Teaching Assistant	University of Michigan, Dept of Biostatistics	1998-2000
Graduate Teaching Assistant	Ohio State University, Dept of Statistics	1994-1995

RESEARCH GRANTS

Investigator	NIH/NIA	Herman (PI)	R21 AG-060277	2018-2020
	Treatment for TIA to manage cardiovascular disease and diabetes in older adults			
Investigator	NIH/NIDDK	Herman (PI)	P30 DK92926	2016-2021
	Michigan Center for Diabetes Translational Research (MCDTR)			
Investigator	NIH/NIDDK	Herman (PI)	R01DK109995	2016-2020
	Population Health Impact of a Self-Insured Employer's Policy Change (M-DPP)			
Consultant	UM NINI	Rodena-Krasan (PI)		2015-2016
	Ouroboros Project – German Language Game Analytics			
Consultant	UM LSA	Rodena-Krasan (PI)		2014-2015
	Das Aslander Projekt – German Language Learning Game			
Principal Investigator	NIH/NIDDK	Isaman (PI)	R21 DK075077-01	2006-2008
	Chronic Disease Modeling for Clinical Research Innovations			

Statistician	NIH/NINR	Stein (PI)	R01 009691-01	2007-2008
	Identity Impairment: Cognitive Foundation of Risk Behaviors in Hispanic Women			
Statistician	NIH/NCRR	Yeo (PI)	2M01RR000042-46	2006-2007
	Regular Exercise Among Women at Risk for Preeclampsia			
Consultant	Komen Foundation	Yu (PI)		2005-2007
	Factors Influencing Utilization of Early Cancer Detection in China			
Statistician	NIH/AHRQ	Keenan (PI)	R01HS015054-02	2004-2005
	H.I.T. Support for Safe Nursing Care			

PEER-REVIEWED PUBLICATIONS AND INVITED ARTICLES

- Johnson ML, Passi R, Bhargava A, Young N, Kruger DF, Bashan E, Bisgaier SG, **Isaman** DJM, Hodish I. Automated Insulin Dosing Guidance to Optimize Insulin Management in Patients with Type 2 Diabetes. *Lancet*. 393(10176):1138-1148. DOI:[https://doi.org/10.1016/S0140-6736\(19\)30368-X](https://doi.org/10.1016/S0140-6736(19)30368-X). **(Impact Factor: 59)**
- Harper R, Bashan E, Bisgaier SG, **Isaman** DJM, Hodish I. Variability in Insulin Requirements: A Potential Major Cause of Hypoglycemia in Type 2 Diabetes. *Diab Tech Therap*. (in press.) **(Impact Factor: 4.5)**
- Isaman** DJM, Rothberg A. Weight Mobility and Obesity in a Representative Sample of the US Adult Population. *Int J Endo* vol. 2018, Article ID 4561213, 2018. 2018. DOI: 10.1155/2018/4561213. **(Impact Factor: 2.3)**
- Palmer AJ, Si L, Tew M, Hua X, Willis MS, Asseburg C, McEwan P, Leal J, Gray A, Foos V, Lamotte M, Feenstra T, O'Connor PJ, Braendle M, Smolen HJ, Gahn JC, Valentine WJ, Pollock R, Breese P, Brennan A, Pollard D, Herman WH, **Isaman** DJM, Laiteerapong N, Clarke PM for the Mt Hood Challenge Modelling Group. Computer Modelling of Diabetes and Its Transparency: A Report on the Eighth Mount Hood Challenge. *Value in Health* 2018 Jun (6):724-731. doi: 10.1016/j.jval.2018.02.002. **(Impact Factor: 5.0)**
- Isaman** DJM, Rothberg A, Herman W. The Effect of Attrition on Reported Diabetes Remission Rates following Roux-en-Y Gastric Bypass: A Sensitivity Analysis. *Obesity Surgery* 2018 28 (5):1308-1312. DOI 10.1007/s11695-017-2995-9. **(Impact Factor: 3.3)**
- Herman W, Rothberg A, **Isaman** D. Bariatric Surgery Versus Intensive Medical Therapy for Diabetes—5-Year Outcomes. *PracticeUpdate* website. Available at: <http://www.practiceupdate.com/content/bariatric-surgery-plus-medical-therapy-effective-for-diabetes-at-5-years/49662/65/8/1>. Accessed March 16, 2017 **(Invited)**
- Isaman**, DJM. Diabetes remission rates after RYGB affected by study duration, *Endocrinology Today*. 2016.12(14) 5. **(Invited)**
- Isaman** DJM, Rothberg A, Herman W. Reconciliation of Type 2 Diabetes Remission Rates in Studies of Roux-en-Y Gastric Bypass. *Diabetes Care*. 2016 39(12): 2247-2253. PMID: 27737910. **(Impact Factor: 15)**
- Ye W, **Isaman** DJM, Barhak J. Use of secondary data to estimate instantaneous model parameters of diabetic heart disease: Lemonade Method. *Information Fusion*. 2012 13(2):137-145. PMID: 22563307. **(Impact Factor: 10.7)**
- Barhak J, **Isaman** DJM, Ye W. Chronic disease modeling and simulation software. *Journal of Bioinformatics* 2010 43(5):791-799. PMID: 20558320. **(Impact Factor: 4.5)**
- Liu CY, Xia HO, **Isaman** DM, Deng D, Oakley D. Nursing clinical trial of breast self-examination education in China. *International Nursing Review*. 2010 57(1):128-134. PMID: 20487485. **(Impact Factor: 1.5)**
- Isaman** DJM, Barhak J, Ye W. Indirect estimation of a discrete-state discrete-time model using secondary data analysis of regression data. *Statistics in Medicine*. 2009 28(July):2095-2115. PMID: 19455575. **(Impact Factor: 1.9)**

- Keenan G, Yakel E, **Marriott** D. HANDS: A revitalized technology supported care planning method to improve nursing handoffs. *Stud Health Technol Inform*. 2006 122:580-584. PMID: 1710232
- Isaman** DJM, Herman WH, Brown MB. A discrete-state and discrete-time model using indirect estimates. *Statistics in Medicine* 2006 25(March): 1035-1049. PMID: 16416413.
(Impact Factor: 1.9)
- Zhou H, **Isaman**, DJM, Cayetano SM, Brandle M, Klein R, Brown MB, Herman WH. A Computer simulation model of diabetes progression, quality of life, and cost. *Diabetes Care*, 2005 28(12): 2856-2863. PMID: 16306545. (Impact Factor: 15)
- Weatherly RA, Ruzicka DL, **Marriott** DJ, Chervin RD. Polysomnography in children scheduled for adenotonsillectomy. *Otolaryngol Head Neck Surg*. 2004 131(5):727-31. PMID: 15523455. (Impact Factor: 2.3)
- Ilag LL, Martin CL, Tabaei BP, **Isaman** DJM, Burke R, Greene DA, Herman WH. Improving diabetes processes of care in managed care. *Diabetes Care*, 2003 26(10), 2722-2727. PMID: 14514570. (Impact Factor: 15)
- Chervin RD, Ruzicka DL, Wiebelhaus JL, Hegeman GL, **Marriot** DJ, Marcus CL, Giordani BJ, Weatherly RA, Dillon JE. Tolerance of esophageal pressure monitoring during polysomnography in children. *Sleep*. 2003 Dec 15;26(8):1022-6. PMID: 14746385.
(Impact Factor: 5.1)
- Brandle M, Zhou H, Smith BR, **Marriott** D, Burke R, Tabaei BP, Brown MB, Herman WH. The direct medical cost of type 2 diabetes. *Diabetes Care*, 2003 26(8), 2300-2304. PMID: 12882852. (Impact Factor: 15)
- Coffey JT, Brandle M, Zhou H, **Marriott** D, Burke R, Tabaei BP, Engelgau MM, Kaplan RM, Herman WH. Valuing health-related quality of life in diabetes. *Diabetes Care*, 2002 25(12), 2238-2243. PMID: 12600648. (Impact Factor: 15)
- Suico JG, **Marriott** DJ, Litzelman DK. Behaviors predicting foot lesions in patients with non-insulin dependent diabetes mellitus. *Journal of General Internal Medicine*, 1998 13(7), 482-484. PMID: 9686715 .
- Litzelman DK, Stratos GA, **Marriott** DJ, Skeff KM. Factorial validation of a widely disseminated educational framework for evaluating clinical teachers. *Academic Medicine*, 1998 73(6), 688-695. PMID: 9653408
- Cottingham A, **Marriott** DJ, Litzelman DK. Teaching caring attitudes: The last frontier for medical educators. *Acad. Medicine*, 1998 73(5), 571. PMID: 9643876
- Litzelman DK, Stratos GA, **Marriott** DJ, Lazaridis EN, Skeff KM. The beneficial and harmful effects of augmented student feedback on physicians' clinical teaching performance. *Academic Medicine*, 1998 73(3), 100-108. PMID: 9526460
- Marriott** DJ, Litzelman DK. Students' global assessment of clinical teachers: A reliable measure of teaching effectiveness. *Academic Medicine*, 1998 73(10 Supl), S72-S74. PMID: 9795657 (Presented at the AAMC Annual Conference on Research in Medical Education in New Orleans, LA)
- Litzelman DK, **Marriott** DJ, Vinicor F. Independent physiologic predictors of foot lesions in patients with non-insulin dependent diabetes mellitus. *Diabetes Care*, 1998 20(8), 1273-1278. PMID: 9250453
- Williams LS, Bruno A, Rouch D, **Marriott** D. Stroke patients' knowledge of stroke: Influences on time to presentation. *Stroke*, 1997 25(5), 912-915. PMID: 9158624
- Litzelman DK, **Marriott** DJ, Vinicor F. The role of footwear in modeling diabetic foot wounds: Conventional wisdom or evidence-based practice? *Diabetes Care*, 1997 20(2), 156-162. PMID: 9118764
- Vu TR, **Marriott** DJ, Stratos GA, Skeff KM, Litzelman DK. Prioritizing areas for faculty development of clinical teachers using student evaluations for evidence-based

decisions. *Academic Medicine*, 72(10), S7-S9. PMID: 9347723 (Presented at the AAMC Annual Conference on Research in Medical Education in Washington, D.C., 1997).
Litzelman DK, **Marriott** DJ. Impact on increasing women medical school matriculants on primary care residency training choices. A five-year perspective. *Academic Medicine*, 1996 71(10), S13-S15. PMID: 8940921

PRESENTATIONS

Isaman DJM. Reconciling Type 2 Diabetes Remission. Presented at the MEND research conference in Ann Arbor, MI, 2020. (*Invited*)
Isaman DJM, Ye W, Herman WH. Modeling Incident Transient Ischemic Attack. Presented at Mt Hood Diabetes Challenge 9 in Dusseldorf, Germany, 2018.
Cameron P, Rodena-Krasan M, Isaman DJM. Continuing Debrief of: Keeping the Game a Game. Presented at Meaningful Play in East Lansing, MI, 2018.
Isaman DJM, Rothberg AE, Herman WH. Attrition and Diabetes Remission Rates After Roux-en-Y Gastric Bypass: A Sensitivity Analysis. Presented at Obesity Week in Washington, DC, 2017.
Rothberg AE, Isaman DJM. Incident Obesity and Drivers of Remission in the U.S. Adult Population. Presented at Obesity Week in Washington, DC, 2017.
Isaman DJM. Reconciling Type 2 Diabetes Remission Rates in Studies of Roux-en-Y Gastric Bypass. Presented at the Michigan Center for Diabetes Translational Research Symposium in Ann Arbor, MI, 2017. (*Invited*)
Isaman DJM. The Michigan Model for Diabetes and Transparency: Lessons Learned. Presented at the Mt Hood Challenge 8 in St Gallen, Switzerland, 2016.
Isaman DJM. Reporting Outcomes from the Michigan Model for Diabetes. Presented at the Mt Hood Challenge 8 in St Gallen, Switzerland, 2016.
Isaman DJM, Cameron P, Rodena-Krasan M. Keeping the Game a Game. Presented at Meaningful Play in East Lansing, MI, 2016.
Marriott DJ, Brown MB. Disease Incidence Constrained by a Discrete-state Multiple-stage Model. Presented at the Joint Statistical Meetings in San Francisco, CA, 2003
Marriott DW, Marriott DJ. Visualizing 3-D Vectors in 3-D Space. Presented at the Joint Statistical Meetings in New York, NY, 2002
Marriott DJ, Marriott DW. Visualizing Data in more than Four Dimensions using Three-dimensional Color Axes. Presented at the Joint Statistical Meetings in Atlanta, GA, 2001
Marriott DJ, Litzelman DK. Students' global assessment of clinical teachers: A reliable and measure of teaching effectiveness. Presented at the AAMC Annual Conference on Research in Medical Education in New Orleans, 1998
Litzelman DK, Marriott DJ. Factorial validation of a widely disseminated educational framework for evaluating clinical teachers. Presented jointly with DK Litzelman at the Clerkship Directors in Internal Medicine National Meeting and the Teaching Internal Medicine Symposium in Chicago, IL, 1997.
Litzelman DK, Marriott DJ. Are overall teaching scores valid measures of clinical teaching effectiveness? Presented jointly with DK Litzelman at the Clerkship Directors in Internal Medicine National Meeting and the Teaching Internal Medicine Symposium in Chicago, IL, 1997.

PROFESSIONAL SERVICE

Reviewer, Statistics in Medicine
Reviewer, Diabetes Care
Reviewer, PLOS ONE

SOFTWARE

SAS: Base, Stat, Macro

R

Python

SPSS

IEST (Indirect Estimation and Simulation Tool – an economic modeling software)