

**Deanna J Marriott**

(nee Isaman)

8/2022

dmarriot@umich.com  
ORCID: 0000-0002-7104-5682**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	2020-
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	2016-2020
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**

<b>PI</b>	UM-SN donor-funded <b>Isaman</b> and Vydiswaran (multiple PI)	2021-2023
	Translation of Diabetes Literature for Clinical Accessibility via Automated Data Extraction	
Co-I	NIH/AHRQ Yakusheva (PI)	2022-2027
	A quality and cost analysis of interprofessional team continuity in ICU's	
Co-I	NIH/NIDDK Saslow (PI)	2021-2026
	Testing a very low-carbohydrate diet version of the Diabetes Prevention Program	
Co-I	NIH/NAIMS Vopel-Lewis (PI)	2020-2026
	The Symptom-Associated Pathway to Substance Use and Misuse during Adolescence	
Co-I	NIH/NIDDK Saslow (PI)	2021-2025
	Glycemic reduction approaches in polycystic ovary syndrome: a comparative effectiveness study	
Co-I	NIH/NIDA Shuman (PI)	2022-2024
	Feasibility of an Art-based Intervention to Address Clinician Stigma	
<b>PI</b>	UM e-HAIL <b>Isaman</b> and Vydiswaran (multiple PI)	2021-2021
	Summer Support for Multidisciplinary research in to extract data from PubMed	
Co-I	MCCFAD Darwich (PI)	2022-2023
	A Pilot RCT of A Cognitive and Affective Intervention for Mild Cognitive Impairment	

Co-I	ATS	Costa (PI)	2021-2022
	Examining optimal ICU team composition in adult critical care units: A mixed methods study		
Co-I	Donor funded	Costa (PI)	2021-2021
	Examining ICU team composition in adult critical care units		
Co-I	Donor funded	Darwich (PI)	2021-2023
Co-I	MDHHS	Potempa (PI)	2020-2022
	Living at Home: Building Resilience to Age in Place		
Investigator	NIH/NIDDK	Saslow (PI) R03 DK124741	2021-2022
	WELL Study: Reducing liver disease in genetically predisposed adults		
Co-I	UM-SM	Rothberg (PI)	2020-2022
	How has the COVID-19 pandemic impacted adherence, retention, satisfaction, and outcomes of the Michigan Weight Management Program		
Investigator	NIH/NIA	Herman (PI) R21 AG-060277	2018-2021
	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		
<b>Principal Investigator</b>	NIH/NIDDK	<b>Isaman</b> (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

- Senger-Carpenter T, Scott E, **Isaman** DJ, Lenko R, Senf J, Ploutz-Snyder R, Robinson-Lane S, Cofield C, Chen B, Voepel-Lewis T. Biopsychosocial Attributes of Single- and Multi-Region Body Pain during Early Adolescence: Analysis of the ABCD Cohort. (in press 2022, *Clinical J Pain*). (**Impact Factor: 2.9**)
- Shuman, C. J., **Isaman**, D. J., Morgan, M. E., Kukora, S. K., Rubyan, M., Veliz, P. T., & Boyd, C. J. Validity and reliability of the Modified Attitudes About Drug Use in Pregnancy Scale. *Journal of Obstetric, Gynecologic, and Neonatal Nursing*. 51(3), 324-335. (**Impact Factor: 1.3**)
- Furspan P, Flaherty-Robb M, Calarco M, Butterworth S, Struble L, Harden K, Franklin M, Potempa S, Laughlin C, Schmidt P, Policicchio P, Yakushevav O, **Isaman** DJM, Potempa KA, Potempa K. Healthy Lifetime (HL): An internet-based behavioral health coaching protocol for older adults. *Frontiers in Digital Health*. 2022 4 DOI: 10.3389/fdgth.2022.795827.107911. PMID:
- Tew, Michelle; Willis, Michael; Asseburg, Christian; Bennett Wilton, Hayley; Brennan, Alan; Feenstra, Talitha; Gahn, James; Gray, Alastair; Heathcote, Laura; Herman, William (Bill); **Isaman (Marriott)**, Deanna; Kuo, Shihchen; Lamotte, Mark; Leal, José; McEwan, Philip (Phil); Nilsson, Andreas; Palmer, Andrew; Patel, Rishi; Pollard, Daniel; Ramos, Mafalda; Sailer, Fabian; Schramm, Wendelin; Shao, Hui; Shi, Lizheng; Si, Lei; Smolen, Harry; Thomas, Chloe; Tran-Duy, An; Yang, Chunting; Ye, Wen; Yu, Xueting; Zhang, Ping; Clarke, Philip. Exploring structural uncertainty and impact of health state utility values on lifetime outcomes in diabetes economic simulation models: Findings from the Ninth Mount Hood

- Diabetes Quality-of-Life Challenge. *Medical Decision Making*. 2022 Jul;42(5):599-611. <https://doi.org/10.1177%2F0272989X211065479> (Impact Factor: 2.6)
- Missel AL, Obrien A, Mase H Kanwal A Bayandorian H, Martin S, Carrigan P, McNamee R, Daubenmier J, **Isaman DJM**, Padmanabhan V, Smith YR, Aikens JE, Saslow LR. Impact of an Online Multicomponent Very Low-Carbohydrate Program in Women with Polycystic Ovary Syndrome: A Pilot Study. *Fertility and Sterility*. 2021 Sep 4;2(4):386-395 <https://doi.org/10.1016/j.xfre.2021.08.008>. (Impact Factor: 7.3)
- Isaman DJM**, Herman W, Ye W. Prediction of Transient Ischemic Attack and Minor Stroke in People with Type 2 Diabetes. *J Diabetes Complications*. 2021 23(7)1 DOI: <https://doi.org/10.1016/j.jdiacomp.2021.107911>. PMID: 33902996 (Impact Factor: 2.7)
- Isaman DJM** Herman W, Rothberg A. Attrition Bias in an Observational Study of Very-low Energy Diet: A Cohort Study. *Obesity*. 2021 29(1) 213-219 <https://doi.org/10.1002/oby.23031> (Impact Factor: 3.6)
- Si L, Willis MS, Asseburg C, Nilsson A, Tew M, Clarke PM, Lamotte M, Ramos M, Shao H, Shi L, Zhang P, McEwan P, Ye W, Herman WH, Kuo S, **Isaman DJM**, Schramm W, Sailer F, Brennan A, Pollard D, Smolen HJ, Leal J, Gray A, Patel R, Feenstra T, Palmer AJ. Evaluating the ability of economic models of diabetes to simulate new cardiovascular outcomes trials: a report on the Ninth Mount Hood Diabetes Challenge. *Value in Health*. 2020 DOI:<https://doi.org/10.1016/j.jval.2020.04.1832> (Impact Factor: 5.0)
- Bergenstal RM, 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*. 2019 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. Temporary Reductions in Insulin Requirements are Associated with Hypoglycemia in Type 2 Diabetes. *Diab Tech Therap*. 2018 20(12). (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, **Marriott** 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

- Butterworth, S., Potempa, S., Laughlin, C., Flaherty-Robb, M., Calarco, M., Harden, K., Schmidt, P., Ghosh, B. **Marriott**, D. & Potempa, K. Nurse Health Coaching: A Model for Mitigating Negative Social Determinants in Older Adults? Presented at the CANS conference in Washington, DC 2022.

- Menke J, Kim J, Ellis SA, Vydiswaran VGV, **Isaman** DJM. Meta-analysis of diabetes research through natural language processing. Presented at the research day conference in Ann Arbor, MI 2022.
- Senger-Carpenter, T, Lenko, R, Ploutz-Snyder, R, **Isaman**, DJM, Chen, B, Voepel-Lewis, T. Pain Prevalence and Associated Psychological/Somatic Symptoms in the ABCD Cohort. Research Day conference in Ann Arbor, MI, 2022
- Isaman** DJM, Vydiswaran VGV, Kim J, Menke J. Meta-analysis of diabetes research through knowledge graphs. Presented at the e-HAIL meeting in Ann Arbor, MI 2022.
- Isaman** DJM, An Introduction to Power Calculations. Guest lecture in Scientific Methods for Health Sciences: Applied Inference (HS851) 2021 (**Invited**)
- Rosemberg, M-A.S. Bidisha Ghosh B. & **Isaman**, D. (November 2021). Hotel Workers: Understanding their Exposures, Health, and Wellbeing. Work Stress and Health National Conference. Virtual Podium presentation. 2021.
- Herman WH, Kuo S, Ye W, **Isaman** DJM. Research for Obesity. Presented at the NovoNordisk research day virtual 2020. (**Invited**)
- 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.