

Adam Joseph VanDeusen

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EDUCATION

PhD, Industrial & Operations Engineering University of Michigan, Ann Arbor, MI	Expected 2022
MPH, Chronic Disease Epidemiology Yale School of Public Health, New Haven, CT Master's Thesis: "Cost-Effectiveness of Antiretroviral Therapy Regimens for HIV-Positive Pregnant Women in Ghana: A Case for Option B-Plus" Thesis Advisors: Elisa Long, PhD, Elijah Paintsil, MD, and A. David Paltiel, PhD	2013
BSE, Industrial & Operations Engineering University of Michigan, Ann Arbor, MI Graduated <i>cum laude</i> , minor in Music	2010

ADDITIONAL EDUCATIONAL EXPERIENCE

<i>Complex Systems Modeling for Public Health Research</i> (1-week course) University of Michigan Summer Session in Epidemiology, Ann Arbor, MI	July 2018
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PROFESSIONAL EXPERIENCE

Mayo Clinic , Rochester, MN <i>Health Systems Engineer, Management Engineering & Internal Consulting</i> <i>Instructor, Health Care Systems Engineering, Mayo Clinic College of Medicine</i>	2015-2017
The Health Management Academy , Alexandria, VA <i>Senior Director, Clinical Forums & Physician Leadership Program</i>	2013-2015

TEACHING EXPERIENCE

Orientation to Healthcare , <i>Course Developer & Instructor</i> Department of Management Engineering & Internal Consulting, Mayo Clinic	2015-2017
Introduction to Statistical Thinking I & II (BIS 505a & 505b) , <i>Teaching Fellow</i> Yale School of Public Health	2012-2013
Stochastic Modeling in Decision Making (OPRS 237) , <i>Teaching Fellow</i> Yale College/Yale Graduate School of Arts & Sciences	2011

PUBLICATIONS

VanDeusen, A., Paintsil, E., Agyarko-Poku, T., Long, E.F. Cost effectiveness of option B plus for prevention of mother-to-child transmission of HIV in resource-limited countries: evidence from Kumasi, Ghana. BMC Infect Dis. 2015; 15:130.

CONFERENCE PRESENTATIONS

VanDeusen, A., Maa, A., Cohn, A. “Applying Systems Engineering Methods to Address Healthcare Access.” Oral Presentation, Health Systems Process Improvement Conference, Atlanta, GA, 2018

Buechler, T., Gross, T., Meyer, T., Milburn, A., McGarry, K., Harris, P., Sogla, C., Mielke, C., Swenson, L., Hegard, T., Freet, J., Clark, S., Moore, M., Ingram, T., **VanDeusen, A.,** Botz, C., Berninger, D. “Reducing Hospital Length of Stay through Development of Standardized and Translatable Discharge Processes.” Poster Presentation, Mayo Clinic Quality Conference, Rochester, MN, 2017

VanDeusen, A., Paintsil, E., Agyarko-Poku, T., Long, E.F. "A Case for Adopting Option B Plus for Prevention of Mother-to-Child Transmission of HIV in Resource-Limited Countries: Evidence from Kumasi, Ghana." Oral Presentation, Pediatric Academic Societies Annual Meeting, Washington, DC, 2013

VanDeusen, A., Paintsil, E., Agyarko-Poku, T., Long, E.F. “Cost-effectiveness of Expanded HIV Treatment among Pregnant Women in Ghana.” Oral Presentation, INFORMS Annual Meeting, Phoenix, AZ, 2012

VanDeusen, A., Tamarelli, C., Misra A., Weist, M. “Assessing Technological Needs of Nicaraguan Maternal Health Clinics.” Poster Presentation, University of Michigan Student Global Health Day, Ann Arbor, MI, 2010

INVITED COMMUNITY PRESENTATIONS

“Analyzing Access to Healthcare with Operations Research Tools.” Research Education and Activities for Classroom Teachers (REACT), Ann Arbor, MI, 2018

“Applied Decision Analysis: Cost-Effectiveness of Antiretroviral Therapy Regimens for HIV-Positive Pregnant Women in Ghana.” University of Michigan IOE 460 (*Decision Analysis*), Ann Arbor, MI, 2017

HONORS AND AWARDS

Health Services Research Summer Fellowship, Institute for Healthcare Policy and Innovation	2018
Student Research Award, American Pediatric Association	2013
Volunteer of the Year, Unite For Sight	2013
Wilbur G. Downs International Health Research Fellowship, Yale University	2012
Second Place Poster, University of Michigan Student Global Health Day	2010
Carl J. Grapentine Scholarship, Michigan Marching Band	2009
University of Michigan Regents Merit Scholarship	2006

PROFESSIONAL MEMBERSHIPS

Institute for Operations Research & Management Science (INFORMS)	2017-present
Mensa	2009-present
American Statistical Association (ASA), Twin Cities Chapter	2015-2017

COMMUNITY & CAMPUS INVOLVEMENT

University of Michigan Library Student Advisory Group	2018-present
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INFORMS at the University of Michigan	
Vice President & Treasurer	2018-present

University of Michigan Faculty Senate Assembly	
Graduate Student Representative, Research Policies Committee	2017-present

Department of Management Engineering & Internal Consulting, Mayo Clinic	
Mentor, New Hire Mentorship Program	2016-2017
Member, Applied Analytics Expert Group	2016-2017

The Health Management Academy	
Mentor, New Employee Peer Mentorship Program	2014-2015

Yale Healthcare Conference	
Chair, Logistics	2012-2013

HAVEN Free Clinic	
Director, IT & Communications	2012

Unite For Sight	
Global Impact Corps Volunteer (Accra, Ghana)	2012
Chair, University of Michigan Chapter	2009-2010

CERTIFICATIONS

Certified User (Research – Billing), Epic	4/2016-present
Global Health Research Certificate, Unite For Sight	2011