

Adam Joseph VanDeusen

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EDUCATION

PhD, Industrial & Operations Engineering Expected 2021
University of Michigan, Ann Arbor, MI

MPH, Chronic Disease Epidemiology 2013
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

BSE, Industrial & Operations Engineering 2010
University of Michigan, Ann Arbor, MI
Graduated *cum laude*, minor in Music

PROFESSIONAL EXPERIENCE

Mayo Clinic, Rochester, MN 2015-2017
Health Systems Engineer, Management Engineering & Internal Consulting
Instructor, Health Care Systems Engineering, Mayo Clinic College of Medicine

The Health Management Academy, Alexandria, VA 2013-2015
Senior Director, Clinical Forums & Physician Leadership Program

TEACHING EXPERIENCE

Orientation to Healthcare, *Course Developer & Instructor* 2015-2017
Department of Management Engineering & Internal Consulting, Mayo Clinic

Introduction to Statistical Thinking I & II (BIS 505a & 505b), *Teaching Fellow* 2012-2013
Yale School of Public Health

Stochastic Modeling in Decision Making (OPRS 237), *Teaching Fellow* 2011
Yale College/Yale Graduate School of Arts & Sciences

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.

PRESENTATIONS

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

HONORS AND AWARDS

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

INFORMS at the University of Michigan	
Vice President & Treasurer	2018-present

Service Learning and Transdisciplinary Education	
Mentor	2017-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

Hometown Alumni Involvement Link, Univ. of Michigan College of Engineering	2015-present
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The Health Management Academy Mentor, New Employee Peer Mentorship Program	2014-2015
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Unite For Sight Session Coordinator, Global Health & Innovation Conference	2012-2013
Global Impact Corps Volunteer (Accra, Ghana)	2012
Chair, University of Michigan Chapter	2009-2010
Director of Elementary Education, University of Michigan Chapter	2008-2009

Yale Healthcare Conference Chair, Logistics	2012-2013
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HAVEN Free Clinic Director, IT & Communications	2012
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CERTIFICATIONS

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