

ANNIE HAAKENSTAD

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CURRENT POSITION

- Assistant Professor, Institute for Health Metrics and Evaluation, University of Washington, 7/2020- Present

WORK EXPERIENCE

- Postdoctoral Research Associate, Harvard T.H. Chan School of Public Health (Winnie Yip), 9/2019-7/2020
- Researcher, Harvard T.H. Chan School of Public Health, 7/2016-9/2019
- Researcher (Consultant), Institute for Health Metrics and Evaluation (IHME), University of Washington, 8/2017-5/2019
- Health Economist (Consultant), World Bank, 6/2016-12/2017
- Researcher, Reframing NCDs and injuries for the poorest billion: a Lancet Commission, Harvard Medical School, 7/2016-7/2017
- Project Officer I/II, IHME, University of Washington, 4/2012-8/2015
- Associate Press Officer, United Nations Information Service, 5/2011-2/2012
- Consultant, Economics and Trade Branch, United Nations Environment Programme, 5/2009-12/2010

TEACHING

- Teaching Assistant, Comparative Health Systems (Winnie Yip), Harvard T. H. Chan School of Public Health, Spring 2020
- Howard Raiffa Fund Award Recipient, Teaching resource allocation under multiple constraints, Advanced Modeling for Health System Analysis & Priority Setting (Stéphane Verguet), Spring 2019
- Teaching Assistant, Measuring Population Health (Josh Salomon), Harvard T.H. Chan School of Public Health, Spring 2017

SERVICE

- Member, Academy Health
- Member, International Health Economics Association
- Member, Drivers Technical Working Group, Countdown to 2030: Maternal, Newborn & Child Survival
- Ad-hoc Reviewer, *The Lancet*, *Lancet Global Health*, *Health Economics*, *Social Science & Medicine*, *Health Affairs*, *JAIDS*, *Health Policy and Planning*, *BMJ Global Health*, *Global Challenges*, *International Journal of Health Policy and Management*, *Preventive Medicine*.

EDUCATION

Harvard T.H. Chan School of Public Health 2015-2019

Doctor of Science, Global Health and Population, Health Systems.

Dissertation: *Out-of-pocket payments and noncommunicable disease care: a threat and opportunity for universal health coverage.*

Committee: Jessica Cohen, Margaret McConnell, Winnie Yip.

Institut de Hautes Etudes Internationales et du Développement 2008-10

Masters in Development Studies. Bilingual French-English Degree.

The George Washington University 2002-06

Bachelors of Arts in International Affairs. *Magna cum laude*. Special Honors.

Elizabeth J. Somers Women's Leadership Program Scholar.

AWARDS & SCHOLARSHIPS

- Michael von Clemm Travelling Fellowship
- John F. and Virginia B. Taplin Fellowship
- Paci Family Fellowship in Public Health
- Helen Thayer Adams Endowment Grant
- Graduate Institute Swiss Bourse
- Somer's Women's Leadership Scholarship
- Presidential Academic Scholarship
- BECU Service Award
- Sheeley Award
- CIEE Scholarship

PUBLISHED ACADEMIC ARTICLES

1. **Haakenstad A**, Harle AC, Tsakalos, Micha AE, Tao T, Cohen J, Fullman N, Hay S, Mestrovic T, Mohammed S, Mousavi SM, Nixon M, Pigott D, Tran K, Murray CJL, Dieleman J. 2019. Tracking spending on malaria in 106 countries, 2000-2016. *The Lancet Infectious Diseases*. 19(7):703-716.
2. **Haakenstad A**, Moses M, Tao T, Tsakalos G, Zlavog B, Kates J, Wexler A, Murray CJL, Dieleman J. 2019. Potential for additional government spending on HIV/AIDS in 137 low- and middle-income countries, 2000-2016: an economic modelling study. *The Lancet HIV*. 6(6):e382-e395.
3. **Haakenstad A**, Coates M, Marx A, Bukhman G, Verguet S. 2019. Disaggregating catastrophic expenditure by disease area: cross-country estimates based on the World Health Survey. *BMC Medicine*. 17(1):36.
4. **Haakenstad A**, Hawkins SS, Pace LE, Cohen J. 2019. Rural-urban disparities in colonoscopies after the elimination of patient cost-sharing by the Affordable Care Act. *Preventive Medicine*. 129:105877.

5. Global Burden of Disease Health Financing Collaborator Network including **Haakenstad A**. 2019. Past, present and future of global health financing: a review of country spending on health and development assistance for 195 countries, 1995–2050. *The Lancet*. 394(10193):173-183.
6. Feachem RGA, Chen I, Akbari O, Bertozzi-Villa A, Bhatt S, Binka F, Boni MF, Buckee C, Dieleman J, Dondorp A, Eapen A, Sekhri Feachem N, Filler S, Gething P, Gosling R, **Haakenstad A**, Harvard K, Hatefi A, Jamison D, Jones KE, Karema C, Kamwi RN, Lal A, Larson E, Lees M, Lobo NF, Micah AE, Moonen B, Newby G, Ning X, Pate M, Quiñones M, Roh M, Rolfe B, Shanks D, Singh B, Staley K, Tulloch J, Wegbreit J, Woo HJ, Mpanju-Shumbusho W. 2019. Malaria eradication within a generation: ambitious, achievable, and necessary. *The Lancet*. 394(10203):1056-1112.
7. George A, LeFevre AE, Jacobs T, Kinney M, Buse K, Chopra M, Daelmans B, **Haakenstad A**, Huicho L, Khosla R, Rasanathan K, Sanders D, Singh NS, Tiffin N, Ved R, Zaidi SA, Schneider H. 2019. Lenses and levels: the why, what and how of measuring health system drivers of women's, children's and adolescents' health with a governance focus. *BMJ Global Health*. 4(Suppl 4):e001316.
8. Dieleman JL, Cowling K, Agyepong IA, Alkenbrack S, Bollyky TJ, Bump JB, Chen CS, Grépin KA, **Haakenstad A**, Harle AC, Kates J, Lavado RF, Micah AE, Ottersen T, Tandon A, Tsakalos G, Wu J, Zhao Y, Zlavog BS, Murray CJL. 2019. The G20 and development assistance for health: historical trends and crucial questions to inform a new era. *The Lancet*. 394(10193):173-183.
9. **Haakenstad A**, Templin T, Lim S, Dieleman J. 2018. The financing gaps framework: using need, potential spending, and expected spending to allocate development assistance for health. *Health Policy and Planning*. 33(suppl_1):i47-i55
10. Dieleman J, **Haakenstad A**, Micah A, Moses M, et al. 2018. Spending on health and HIV/AIDS: domestic health spending and development assistance in 188 countries, 1995-2015. *The Lancet*. 391(10132):1799-1829.
11. Countdown to 2030 Collaboration, including **Haakenstad A**. 2018. Countdown to 2030: tracking progress towards universal coverage for reproductive, maternal, newborn, and child health. *The Lancet*. S0140-6736(18)30104-1.
12. George A, LeFevre AE, Jacobs T, Buse K, Chopra M, Daelmans B, **Haakenstad A**, et al. 2018. Lenses and Levels: the why, what and how of measuring health system drivers of women's children's and adolescents' health with a governance focus. *BMJ Global Health*. In Press.
13. Mokdad AH, Palmisano EB, Zuniga-Brenes P, Ríos-Zertuche D, Johanns C, Schaefer A, Desai S, **Haakenstad A**, Gagnier MC, McNellan CR, Colombara DV, Lopez Romero S, Castillo L, Salvatierra B, Hernandez B, Betancourt-Cravioto M, Mujica Rosales R, Regalia F, Tapia Conyer R, Iriarte E. 2018. Supply-side interventions to improve health: Findings from the Salud Mesoamérica Initiative. *PLoS ONE*. 13(4): e0195292.

14. Geldsetzer P, **Haakenstad A**, James A, Atun R. 2018. Responsiveness in Middle-Income Countries: Evidence from Population-Based Surveys in China, Ghana, India, Mexico, Russia, and South Africa. *The Journal of Global Health*. 8(2):020417.
15. Dieleman J, Campbell, M, Chapin A, Eldrenkamp E, Fan VY, **Haakenstad A**, et al. 2017. Evolution and patterns of global health financing 1995–2014: development assistance for health, and government, prepaid private, and out-of-pocket health spending in 184 countries. *The Lancet*. S0140-6736(17)30874-7.
16. Dieleman J, Campbell, M, Chapin A, Eldrenkamp E, Fan VY, **Haakenstad A**, et al. 2017. Future and potential spending on health 2015-2040: development assistance for health, prepaid private, and out-of-pocket health spending in 184 countries. *The Lancet*. 389(10083):2005-2030.
17. Dieleman J, **Haakenstad A**. 2017. Global health financing data revolution sorely needed. *Health Economics, Policy and Law*. 12(2):121-124.
18. Shretta R, Zelman B, Birger ML, **Haakenstad A**, Singh L, Liu Y, Dieleman J. 2017. Tracking Development Assistance and Government Health Expenditures for Malaria Elimination: 1990-2017. *Malaria Journal*. 16(1): 251.
19. Dieleman JL, Templin T, Sadat N, Reidy P, Chapin A, Foreman K, **Haakenstad A**, Evans T, Murray CJL, Kurowski C. 2016. National spending on health by source for 184 countries between 2013 and 2040. *The Lancet*. 387(10037):2521-35.
20. Dieleman J, Schneider M, **Haakenstad A**, Singh L, Birger M, Graves C, Hamavid H, Chapin A, Murray CJL. 2016. Development assistance for health and the Millennium Development Goals: 2000-2015. *The Lancet*. S0140-6736(16)30168-4.
21. Dieleman, JL, Graves C, Johnson, E, Templin T, Birger M, Hamavid H, Freeman M, Leach-Kemon K, Singh L, **Haakenstad A**, Murray CJL. 2015. Sources and focus of health development assistance, 1990–2014. *JAMA*. 313(23):2359-2368.
22. Olivier J, Tsimpo C, Gemignani R, Shojo M, Coulombe H, Dimmock F, Nguyen MC, Hines H, Mills EJ, Dieleman JL, **Haakenstad A**, Woden Q. 2015. Understanding the roles of faith-based healthcare providers in Africa: a review of the evidence with a focus on magnitude, reach, cost, and satisfaction. *The Lancet*. (15)60251-3.
23. Lim S, GBD collaborators, including **Haakenstad A**. 2016. Measuring the health-related Sustainable Development Goals in 188 countries: A baseline analysis from the Global Burden of Disease Study 2015. *The Lancet*. 338(10053):1813-1850.
24. Hernandez B, Colombara DV, Gagnier MC, Desai SS, **Haakenstad A**, Johanns C, McNellan CR, Nelson J, Palmisano EB, Ríos-Zertuche D, Schaefer A, Zúñiga-Brenes P, Iriarte E, Mokdad AH. 2017. Barriers and facilitators for institutional delivery among poor Mesoamerican women: a cross-sectional study. *Health Policy and Planning*. 32(6):769-780.

25. **Haakenstad A**, Birger M, Singh L, Liu P, Lim S, Ng M, Dieleman JL. 2016. Development assistance for vaccinations increases as the health burden caused by vaccine-preventable diseases decreases: 2000 – 2014. *Health Affairs*. 35(2):242-9
26. **Haakenstad A**, Johnson E, Graves C, Olivier J, Duff J, Dieleman J. 2015. Estimating the development assistance for health provided to faith-based organizations, 1990-2013. *PLoS ONE*. 10(6).
27. Wollum A, Dansereau E, Fullman N, Achan J, Bannon K, Burstein R, Connor R, DeCenso B, Gasasira A, **Haakenstad A**, Hanlon M, Ikilezi G, Kisia C, Levine A, Masters SH, Njuguna P, Okiro EA, Odeny TA, Roberts DA, Gakidou E, Duber HC. 2017. The effect of facility-based ART programs on outpatient services in Kenya and Uganda. *BMC Health Services Research*. 17:564.
28. Schneider M, Birger M, **Haakenstad A**, Singh L, Hamavid H, Chapin A, Murray CJL, Dieleman J. 2016. Tracking development assistance for HIV/AIDS: the international response to a global epidemic. *AIDS*. 30(9):1475-9.
29. Mokdad AH, Gagnier MC, Colson KE, Dansereau E, Zúñiga-Brenes P, Ríos-Zertuche D, **Haakenstad A**, Johanns CK, Palmisano EB, Hernandez B, Iriarte E. 2015. Missed opportunities for measles, mumps, and rubella (MMR) immunization in Mesoamerica: potential impact on coverage and days at risk. *PLoS ONE*. 10(10):e0139680.
30. Colson KE, Zúñiga-Brenes P, Ríos-Zertuche D, Conde-Glez CJ, Gagnier MC, Palmisano E, Ranganathan D, Usmanova G, Salvatierra B, Nazar A, Tristao I, Sanchez Monin E, Anderson BW, **Haakenstad A**, Murphy T, Lim S, Hernandez B, Lozano R, Iriarte E, Mokdad AH. 2015. Comparative estimates of crude and effective coverage of measles immunization in low-resource settings: Findings from Salud Mesoamerica 2015. *PLoS ONE*. 10(7).
31. Odeny TA, DeCenso B, Dansereau E, Gasasira A, Kisia C, Njuguna P, **Haakenstad A**, Gakidou E, Duber HD. 2015. The clock is ticking: the rate and timeliness of antiretroviral therapy initiation from the time of treatment eligibility in Kenya. *Journal of the International AIDS Society*. 18:2001.
32. Mokdad AH, Colson KE, Zuniga-Brenes P, Rios-Zertuche D, Palmisano EB, Afaro-Porras E, Anderson BW, Desai S, Gagnier MC, Gillespie CW, Giron SL, **Haakenstad A**, Mateus, j, McKay A, Mokdad AA, Murphay T, Naghavi P, Nelson J, Orozco M, Ranganathan D, Salvatierra B, Schaefer A, Usmanova G, Varela A, Wilson S, Wulf S, Hernandez B, Lozano R, Iriarte E, Regalia F. 2015. Salud Mesoamérica 2015 Initiative: Design, Implementation, and Baseline Findings. *Population Health Metrics*. 13(1):3.
33. Mokdad AH, Gagnier MC, Colson KE, Zúñiga-Brenes P, Ríos-Zertuche, D, **Haakenstad A**, Palmisano EB, Anderson BW, Desai SS, Gillespie CW, Naghavi P, Nelson J, Ranganathan D, Schaefer A, Usmanova G, Wilson S, Hernandez B, Lozano R, Iriarte E. 2015. Health and wealth in Mesoamerica: findings from Salud Mesoamérica. 2015. *BMC Medicine*. 13:164.
34. Colombara D, Hernández B, Gagnier MC, Johanns C, Desai SS, **Haakenstad A**, McNellan CR, Palmisano EB, Schaefer A, Zuniga-Brenes P, Zyznieuski N, Iriarte E, Mokdad AH.

2015. Breastfeeding Practices among Poor Women in Mesoamerica. *American Journal of Tropical Medicine & Hygiene*. 94(3):544-52.
35. Dieleman J and **Haakenstad A**. 2015. The complexity of resource allocation for health. *Lancet Global Health*. 3(1):e8-9.
 36. Bui A, Lavado RF, Johnson EK, Brooks BP, Freeman MK, Graves CG, **Haakenstad AM**, Johnson EK, Shoemaker B, Hanlon M, Dieleman J. 2015. National Health Accounts data from 1996 to 2010: A systematic review. *Bulletin of the World Health Organization*. 93:566-576D.
 37. Dieleman J, Yamey G, Johnson E, Graves C, **Haakenstad A**, Meara JG. Tracking Global Expenditures on Surgery: Gaps in Knowledge Hinder Progress. 2015. *Lancet Global Health*. 3 Suppl 2:S2-4
 38. Graves CM, **Haakenstad, A**, Dieleman, J. 2015. Tracking development assistance for health to fragile states: 2005-2011. *Globalization and Health*. 11:12.
 39. Masters S, Burstein R, DeCenso B, Moore K, **Haakenstad A**, Ikilezi G, Achan J, Osei I, Garshong B, Njugana P, Babigumira J, Kumar S, Hanlon M. 2014. Pharmaceutical availability across levels of care: Evidence from facility surveys in Ghana, Kenya, and Uganda. *PLoS One*: 9(12).
 40. Dieleman JL, Graves CM, Templin T, Johnson E, Baral R, Leach-Kemon K, **Haakenstad AM**, Murray CJL. 2014. Global health development assistance remained steady in 2013 but did not align with recipients' disease burden. *Health Affairs*. 33(5):878-86.
 41. Hanlon M, Graves CM, Brooks BPC, **Haakenstad A**, Lavado R, Leach-Kemon K, Dieleman JL. 2014. Regional variation in the allocation of development assistance for health. *Globalization and Health*. 10:8.
 42. Leach-Kemon K, Graves CM, Johnson EK, Lavado RF, Hanlon M, **Haakenstad A**. 2014. Vaccine resource tracking systems. *BMC Health Services Research*. 14:421.
 43. Di Giorgio L, Moses MW, Wollum A, Fullman N, Conner RO, Achan J, Achoki T, Bannon KA, Brooks B, Burstein R, Dansereau E, DeCenso B, Delwiche K, Duber HC, Gakidou E, Gasasira A, **Haakenstad A**, Hanlon M, Ikilezi G, Kisia C, Levine A, Maboshe M, Masiye F, Masters SH, Mphuka C, Njuguna P, Odeny TA, Okiro EA, Roberts DA, Murray CJL, Flaxman AD. 2016. The potential to expand antiretroviral therapy by improving health facility efficiency: evidence from Kenya, Uganda, and Zambia. *BMC Medicine*. 14(1): 108.
 44. Duber H, Roberts DA, Ikilezi G, Levine A, Fullman N, Gassasira A, Gakidou E, **Haakenstad A**, J Levine A, Achan J. 2016. Evaluating facility-based antiretroviral therapy program effectiveness: a pilot study comparing viral load suppression and retention rates. *Tropical Medicine & International Health*. 21(6): 750-8.
 45. Dansereau E, McNellan CR, Gagnier MC, Desai SS, **Haakenstad A**, Johanns CK, Palmisano E, Rios Zertuche D, Schaefer AM, Zuniga Brenes P, Hernandez B, Iriarte E, Mokdad AH. 2016. Coverage and timing of antenatal care among poor women in 6 Mesoamerican countries. *BMC Pregnancy and Child Birth*. 16(234).

46. Colombara DV, Hernández B, McNellan CR, Desai SS, Gagnier MC, **Haakenstad A**, Johanns C, Palmisano EB, Ríos-Zertuche D, Schaefer A, Zúñiga-Brenes P, Zyznieuski N, Iriarte E, Mokdad AH. 2016. Diarrhea Prevalence, Care, and Risk Factors Among Poor Children Under 5 Years of Age in Mesoamerica. *American Journal of Tropical Medicine and Hygiene*. 94(3):544-52.
47. El-Bcheraoui C, Zúñiga-Brenes P, Ríos-Zertuche D, Palmisano EB, McNellan CR, Desai SS, Gagnier MC, **Haakenstad A**, Johanns C, Schaefer A, Hernandez B, Iriarte E, Mokdad AH. 2018. Health system strategies to increase HIV screening among pregnant women in Mesoamerica. *Population Health Metrics*. 16(1):5.

SUBMITTED MANUSCRIPTS

1. **Haakenstad A**, Coates M, Buhkman G, McConnell M, Verguet S. 2020. Estimates of catastrophic expenditure by disease in six countries: an economic modelling analysis. *BMJ Global Health*. Under review.
2. Das S, Macarayan EK, **Haakenstad A**, Farmer PE, Jha A. 2020. Approaching five years post-Ebola: Did we build health systems? *Lancet Global Health*. Submitted January 2020.