

# RYAN K. MCBAIN

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## EXPERIENCE

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- 2017-Pres **RAND Corporation** Boston, MA, USA  
Full Policy Researcher, Behavioral and Policy Sciences (2019-Pres)  
Professor of Policy Analysis, Pardee RAND Graduate School (2019-Pres)  
Associate Policy Researcher, Behavioral and Policy Sciences (2017-2019)
- 2014-2017 **Partners In Health** Boston, MA, USA; Haiti  
Director, Division of Economic Evaluation (2015-2017)  
Manager, Monitoring & Evaluation (2014-2015)
- 2013-2014 **The World Bank** Liberia; Washington DC  
Co-Principal Investigator, Liberia Health System Evaluation
- 2009-2013 **Harvard School of Public Health** Sierra Leone; Boston, MA, USA  
Research Associate, Program on Children and Global Adversity
- 2012-2013 **Pathfinder International** Watertown, MA, USA  
Lead Consultant, Mozambique Family Planning Initiative
- 2010-2012 **World Health Organization** Geneva, Switzerland  
Contracted Employee, Dept of Mental Health and Substance Abuse
- 2009-2010 **Harvard-China Initiative – Bill & Melinda Gates Foundation** Beijing, China  
*Consultant*, Health Systems Reform Task Force

## EDUCATION

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- 2011-2014 **Harvard School of Public Health** Boston, MA, USA  
Doctor of Science in Public Health and Population  
Concentrations: Health Policy Analysis & Econometrics
- 2009-2011 **Harvard School of Public Health** Boston, MA, USA  
Master of Science in Public Health
- 2005-2007 **University of Oxford** Oxford, United Kingdom  
Bachelor of Arts in Psychology, continued  
summa cum laude
- 2003-2005 **Gordon College** Wenham, MA, USA  
Bachelor of Arts in Psychology

## CONTRACTS & GRANTS

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- 2020-2022 *A Data Hub Supporting the Implementation of Screening for Childhood Trauma*  
**California Dept of Healthcare Services** (11852 SC). Role: Co-Investigator  
*Tasks:* Facilitates and co-facilitates focus group discussions with clinicians and clinical staff regarding the implementation of the Adverse Childhood Experiences (ACEs) questionnaire at health clinics throughout the state of California. Supports ongoing, mixed-methods program evaluation of ACEs implementation.
- 2020-2021 *Time-Driven Activity-Based Costing in Three Sub-Saharan African Countries*  
**Centers for Disease Control and Prevention** (GR40394). Role: Principal Investigator  
*Tasks:* Provides lead technical assistance on the implementation of time-driven activity-based costing to measure the cost of HIV services within ambulatory care at the national level in three sub-Saharan African countries: Tanzania, Uganda, and Mozambique.
- 2019-2024 *Integrating a Stepped Care Model of Screening and Treatment for Depression into Malawi's National HIV Care Delivery Platform*  
**National Institute of Mental Health** (R01 MH117760). Role: Principal Investigator  
*Tasks:* Leads study design, study implementation, and structuring of clinical content for cluster randomized trial of stepped depression care throughout Neno District, Malawi.
- 2019-2023 *Randomized Control Trial on Strategies for Task-Shifting Depression Care in Vietnam*  
**National Institute of Mental Health** (R01 MH112630). Role: Consultant  
*Tasks:* Leads economic analyses evaluating the cost and cost-effectiveness of three strategies for task-shifting depression care in Vietnam.
- 2019-2022 *Evaluating Safety and Quality of Pain Care and Opioid Use in the Military Health System*  
**Office of Secretary of Defense** (19-203.1). Role: Co-Investigator  
*Tasks:* Evaluates the current state of pain-related care delivered by the Military Health System (MHS), including steps to reduce high-risk opioid prescribing.
- 2018-2023 *Confidentiality of Military Mental Health Services*  
**Office of the Secretary of Defense** (8-208.1). Role: Co-Investigator  
*Tasks:* Supports study design and implementation of structured survey to assess the relationship between confidentiality within the military health system and utilization of services for mental health conditions.
- 2018-2022 *Depression Care to Improve Adherence to PMTCT Care and Pregnancy Outcomes*  
**National Institute of Mental Health** (R01 MH115830). Role: Consultant  
*Tasks:* Conducts cost and cost-effectiveness analysis of perinatal depression care intervention among HIV+ pregnant women in Uganda.
- 2018-2022 *Pima County Supportive Housing Pilot Project*  
**Pima County** (MA-PO-19-034). Role: Co-Investigator  
*Tasks:* Conducts economic analyses assessing the costs and cost savings associated with a permanent supportive housing for formerly-incarcerated Pima County residents with a history of chronic homelessness.

- 2018-2021 *Inland Empire Health Plan Permanent Supportive Housing Evaluation*  
**Inland Empire Health Plan** (IEHP PSA14AUG2018). Role: Co-Investigator  
*Tasks:* Conducts economic analyses assessing the costs and cost savings associated with a permanent supportive housing for high utilizers of the Inland Empire Health Plan who have a history of chronic homelessness.
- 2018-2021 *Policy Analysis and Technical Assistance for ASPE*  
**Assistant Secretary for Planning & Evaluation** (2018-1134). Role: Co-Investigator  
*Tasks:* Supports the Assistant Secretary for Planning and Evaluation in assessing the evidence base for models of primary care that promote access, equity and quality of community health.
- 2018-2021 *Distribution of Child Mental Health Workforce and Children's Mental Health Care Outcomes*  
**National Institute of Mental Health** (R01 MH112760). Role: Co-Investigator  
*Tasks:* Leads longitudinal analyses evaluating the supply and distribution of the U.S. mental health workforce for addressing pediatric mental health care needs from 2003 to present.
- 2019-2020 *The Mental Health Landscape in America*  
**Otsuka America, Inc.** (PO C3055). Role: Co-Investigator  
*Tasks:* Led environmental scan of promising policies, programs and initiatives to improve the U.S. mental health system. Lead author on associated research report.
- 2018-2020 *Influence of a Landmark Stigma Reduction Initiative on Mental Illness Treatment-Seeking*  
**National Institute of Mental Health** (R01 MH104381). Role: Consultant  
*Tasks:* Conducted longitudinal analyses and reported findings on mental illness related stigma and discrimination among California adults experiencing symptoms of distress, before and after a stigma reduction initiative.
- 2017-2020 *Department of Defense-Wide Assessment of Blast-Related Brain Health Research*  
**Office of Secretary of Defense** (17-228.1). Role: Co-Investigator  
*Tasks:* Provided technical guidance and oversight of systematic review on blast-related injuries over the past decade. Provided project management for analysis and write-up of findings.
- 2017-2019 *Addressing HIV Care and Housing Coordination through Data Integration to Improve Health Outcomes along the HIV Care Continuum*  
**Health Resources and Services Administration** (U1SHA29299). Role: Co-Investigator  
*Tasks:* Provided technical assistance to Ryan White and HOPWA service delivery sites aiming to improve service coordination for client housing and HIV care through data integration. Co-led evaluation of project across four sites.
- 2017-2018 *Building Analytic Capacity for Monitoring and Evaluating the Implementation of the ACA*  
**Assistant Secretary for Planning & Evaluation** (SF 16-03719). Role: Co-Investigator  
*Tasks:* Led systematic review of telehealth collaborative learning platforms for expanding access to community health services in the U.S. and abroad. Co-drafted report to Congress, based on these findings.
- 2017-2019 *Evaluation of Lesotho's National Health System Reform*

- Skoll Foundation** (SF 16-03719). Role: Co-Investigator  
*Tasks:* Directed evaluation of national health reform, with emphasis on improvements in HIV outcomes, using quasi-experimental methods. Findings presented to Ministry of Health.
- 2018 *Evaluating Cost Savings Associated with LA County's Mental Health FSPs*  
**Los Angeles County Dept of Mental Health** (313-RAND-2017). Role: Co-Investigator  
*Tasks:* Led financial analysis of cost savings associated with full-service partnerships (FSPs) serving clients coping with mental illness, substance abuse, insecure housing, and unemployment throughout Los Angeles County.
- 2018 *Identifying Safety-Net Resources and Best Practices at Federally Qualified Health Centers to Prevent Infectious Disease Transmission Resulting from Opioid Use*  
**Assistant Secretary for Planning & Evaluation** (HHSP2332009). Role: Co-Investigator  
*Tasks:* Conducted focus group discussions with FQHCs in rural communities throughout U.S. regarding barriers to and facilitators of prevention and treatment of opioid use disorder, as well as related transmission of infectious diseases.
- 2017-2018 *Practice Expense Methodology and Data Collection Research and Analysis*  
**Centers for Medicare & Medicaid**. Role: Co-Investigator  
*Tasks:* Conducted interviews with medical practices throughout the U.S. to identify cost of comprehensive primary care capabilities.
- 2016-2018 *Enhancing Early Child Development through Caregiver Counseling in Rural Lesotho*  
**Grand Challenges Canada** (R-SB-POC-1707-09146). Role: Co-Investigator  
*Tasks:* Led study design for an evaluation of a pilot project to educate new mothers on parenting practices to facilitate early child development.
- 2014-2017 *Innovative Financing Solutions for Primary Healthcare Delivery in Haiti*  
**Bill & Melinda Gates Foundation** (OPP1120523). Role: Principal Investigator  
*Tasks:* Directed regional analysis on the cost of providing comprehensive health care services in Haiti. Mapped cost information onto health outcomes to conduct cost-effectiveness analysis. Presented findings to Ministry of Health.
- 2012-2014 *Evaluation of a Community-Based Psychosocial Intervention for War-Affected Youth*  
**National Institute of Mental Health** (F31 MH097333). Role: Principal Investigator  
*Tasks:* Led the design, implementation and evaluation of randomized controlled trial of a group-based model of cognitive behavioral therapy on the rehabilitation of former child soldiers in Sierra Leone.
- 2011-2014 *Evaluation of a Mental Health Intervention for War-affected Youth*  
**United Bank of Switzerland** (UBS-5253). Role: Co-Investigator  
*Tasks:* In conjunction with funding from NIMH (see above), led the design, implementation and evaluation of a group-based model of cognitive behavioral therapy on the rehabilitation of former child soldiers in Sierra Leone.

## ACADEMIC SCHOLARSHIPS & AWARDS

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- 2011-2014 *Harvard University Tuition Grant and Stipend*, awarded on a merit basis to graduate students at Harvard University
- 2010 *Calvin and Lucy Ellis Scholarship*, awarded for academic excellence at Harvard University
- 2007 *CAPS International Outstanding Psychology Student*, awarded to an academically gifted student in the field of psychology
- 2006-2007 *Wood Memorial Scholarship*, awarded for academic excellence and research initiative in the social sciences
- 2006-2007 *Kenneth Pike Scholarship*, awarded to academically exceptional students who develop an innovative and independent academic curriculum
- 2003-2005 *Adoniram Judson Scholarship*, awarded to exceptional students who show strong leadership skills. Program entails leadership-training component

## **PUBLICATIONS & PRESENTATIONS**

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### ***PUBLIC HEALTH ARTICLES / REVIEWS***

1. **McBain R**, Cantor J, Kofner A, Stein B, Yu H. (under review) Medicaid expansion and growth in the workforce for autism spectrum disorder. *Autism Research*.
2. **McBain R**, Cantor J, Pera M, Bravata D, Whaley C (under review) Decline and rebound in routine cancer screenings during the COVID-19 pandemic. *JGIM*.
3. Ndayizigiye M, Whelley C, Mabathoana J, Carmona M, Curtain J, Leta A, Birru E, Nelson AK, Stulac S, Miller AC, Mukherjee K, **McBain R**. (under review) Improving child development and parenting skills by integrating an early child development intervention into primary health care in rural Lesotho. *Child Development*.
4. Abbott M, **McBain R**, Wagner L, Liu H. (accepted) Cost evaluation of integrating local HIV and housing data to facilitate service coordination in four demonstration sites. *AIDS Care*.
5. Breslau J, Wong E, **McBain R**, Roth B, Cefalu M, Burnam A, Collins R. (in press) A randomized test of the effect of medical vs lay idiom on assessment of perceived mental health condition in the United States. *Epidemiology and Psychiatric Sciences*.
6. Cantor J, **McBain R**, Stein B, Kofner A, Yu H. (in press) Availability of outpatient telemental health services in the United States at the outset of the COVID-19 pandemic. *Medical Care*.

7. **McBain R**, Eberhart N, Breslau J, Frank L, Burnam A, Kareddy V, Simmons M. (in press) How to transform the U.S. mental health system. *RAND Report*.
8. Wong E, Breslau J, Cefalu M, **McBain R**, Roth E, Burnam A, Collins R. (in press) Racial-ethnic differences in mental health stigma and changes over the course of a California statewide campaign. *Psychiatric Services*.
9. Cantor J, **McBain R**, Pera M, Bravata D, Whaley C. (in press) Who is (and isn't) receiving telemedicine care during the COVID-19 pandemic? *AJPM*.
10. Wood S, Seevak E, Bhatia U, McBain R, Nadkarni A. (in press) "I will not step back": a qualitative study of lay Mental health workers' experiences in India. *Administration and Policy in Mental Health*.
11. Palimaru, A. I., **McBain, R.**, McDonald, K., Batra, P., Hunter, S. B. (in press) The relationship between quality of housing and quality of life: Evidence from permanent supportive housing. *Housing and Society*.
12. **McBain R**, Wong EC, Breslau J, Cefalu MS, Roth E, Shearer A, Burnam A, Collins R. (2020) State medical marijuana laws, cannabis use, and cannabis use disorder among adults with elevated psychological distress. *DAD*. Epub.
13. **McBain R**, Hunter S, Scherling A, Palimaru A, Cefalu M, McConnell W, Batra P. (2020) Health service utilization and costs at the outset of a permanent supportive housing program. *RAND Report*. [https://www.rand.org/pubs/research\\_reports/RRA374-1.html](https://www.rand.org/pubs/research_reports/RRA374-1.html)
14. **McBain R**, Collins R, Wong EC, Breslau J, Cefalu MS, Roth E, Burnam A. (2020). Mental health services and personal recovery in California: a population-based analysis. *Psychiatric Services*. 71: 580-587.
15. **McBain R**, Cantor J, Kofner A, Stein B, Yu H. (2020) State insurance mandates and the workforce for children with autism. *Pediatrics*. 146: e20200836.
16. Cantor J, **McBain R**, Kofner A, Stein B, Yu H. (2020) Fewer than half of U.S. mental health treatment facilities provide services for children with autism spectrum disorder. *Health Affairs*. 39: 968-974.
17. **McBain R**, Cantor J, Kofner A, Stein B, Yu H. (2020) Generosity of state insurance mandates and growth in the workforce for children with autism spectrum disorder. *Autism*. ePub.

18. Herman P, **McBain R**, Broten N, Coulter I. (2020) Update of Markov model on the cost-effectiveness of nonpharmacologic interventions for chronic low back pain compared to usual care. *Spine*. 1:1383-1385.
19. Breslau J, Wong E, Burnam A, **McBain R**, Cefalu M, Beckman R, Collins R. (2020) Distress, impairment, and racial/ethnic differences in perceived need for mental health treatment in a nationally representative sample. *Psychiatry: Interpersonal and Biological Processes*. 83: 149-160.
20. Shearer A, Roth E, Cefalu M, Breslau J, **McBain R**, Wong E, Burnam MA, Collins RL. (2020) Contact with persons with mental illness and willingness to live next door to them: two waves of a California survey of adults. ePub.
21. Fischer S, **McBain R**, Fahery L, Sousa J, Kareddy V, Gittens A, Martsolf G. Strengthening the entry-level health care workforce. *RAND Report*.  
<https://aspe.hhs.gov/system/files/pdf/264531/strengthening-the-EHCW-Report.pdf>
22. Lightner JS, Shank JR, **McBain R**, Prochnow T. (2020) The social network of medical case managers, housing providers, and health department staff in the Ryan White HIV/AIDS program: a Midwest case study. *PLoS One*. 15: e0238430.
23. Towe V, Wagner L, Stevens C, Fischer S, **McBain R**, MacCarthy S, Bogart L. (2020) Mixed-methods study of integration of housing and medical data systems for enhanced service coordination of people with HIV. *Journal of Care Coordination*. 4:8-16.
24. **McBain R**, Dick A, Sorbero M, Stein BD. (2020) Growth and distribution of buprenorphine waived providers in the United States, 2007-2017. *Annals of Internal Medicine*. 172: 504-506.
25. **McBain R**, Kareddy V, Cantor JH, Stein BD, Yu H. (2020) Systematic review: United States workforce for autism-related child healthcare services. *JAACAP*. 59: 113-139.
26. Salhi C, Beatriz E, **McBain R**, McCoy D, Sheridan M, Fink G. (2020) Physical discipline, deprivation, and differential risk of developmental delay across 17 countries. *JAACAP*. 19: 30163-5.
27. **McBain R**, Sousa J, Rose A, Baxi S, Faherty L, Taplin C, Chappel A, Fischer S. (2019) Impact of Project ECHO models of medical tele-education: a systematic review. *Journal of General Internal Medicine*. 34: 2842-2857.
28. **McBain R**, Kofner A, Cantor JH, Vogt W, Stein BD, Yu H. (2019) Growth and distribution of child psychiatrists in the United States: 2007-2016. *Pediatrics*. 144: e20191576.

29. Rose AJ, **McBain R**, Schuler MS, LaRoche MR, Ganz DA, Kilambi V, Stein BD, Bernson D, Stopka TJ. (2019). Impact of age on opioid prescribing, overdose, and mortality in Massachusetts, 2011 to 2015. *Journal of the American Geriatrics Society*. 67(1):128-132.
30. Breslau J, **McBain R**, Simmons M. (2019) Identifying safety-net resources at health centers to prevent infectious disease transmission resulting from the opioid epidemic. *RAND Report*. <https://aspe.hhs.gov/system/files/pdf/260981/RR2724.pdf>
31. **McBain R**, Rose AJ, LaRoche MR. (2018) The U.S. opioid epidemic: one disease, diverging tales. *Preventive Medicine*. 112: 176-178.
32. **McBain R**, Jerome G, Warsh J, Browning M, Mistry B, Faure P, Pierre C, Mugunga JC, Rhatigan J, Leandre F, Kaplan R. (2018) Activity-based costing of health care delivery. *WHO Bulletin*. 1: 10-17.
33. **McBain R**, Ashwood S, Eberhart N, Montemayor C, Azhar G. (2018) Evaluating cost savings associated with Los Angeles County's mental health full service partnerships. *RAND Report*. [https://www.rand.org/pubs/research\\_reports/RR2783.html](https://www.rand.org/pubs/research_reports/RR2783.html)
34. Friedberg M, Martsof G, Tomoia-Cotisel A, Mendel P, **McBain R**, Raaen L, Kandrack R, Qureshi N. (2018) Practice expenses associated with comprehensive primary care capabilities. *RAND Report*. [https://www.rand.org/pubs/research\\_reports/RR2495.html](https://www.rand.org/pubs/research_reports/RR2495.html)
35. Wroe E, Dunbar E, Dullie L, Kalanga E, Cundale K, **McBain R**. (2018) Delivering comprehensive HIV services across the HIV continuum: a comparative analysis of survival and progress towards 90-90-90 in rural Malawi. *BMJ Global Health*. 12: e000552.
36. Duan K, **McBain R**, Flores H, Rodriguez Garza F, Nigenda G, Palazuelos L, Palazuelos D, Moreno Lazaro E, Enriquez Rios N, Elliot PF. (2018) Implementation and clinical effectiveness of a community-based non-communicable disease treatment programme in rural Mexico: a difference-in-differences analysis. *Health Policy & Planning*. 1: 707-714.
37. Rogers JH, Jabateh L, Beste J, Wagenaar BH, **McBain R**, Palazuelos D, Wickett E, Oswald C, Napier HG, Toomey-Garbo J. (2018) Impact of community-based adherence support on treatment outcomes for tuberculosis, leprosy and HIV/AIDS-infected individuals in post-Ebola Liberia. *Global Health Action*. 11: 1522150.
38. Dunbar EL, Wroe EB, Nhlema B, Kachimanga C, **McBain R**, Lilford RJ, Watson SI. (2018) Evaluating the impact of a community health worker programme on non-communicable disease, malnutrition, tuberculosis, family planning and antenatal care in Neno, Malawi: protocol for a stepped-wedge, cluster randomised controlled trial. *BMJ Open*. 13: e019473.



39. Bilinski A, Birru E, Peckarsky M, Herce M, Kalanga N, Neumann C, Bronson G, **McBain R**, Keck J. (2017) Distance to care, enrollment and loss to follow-up of HIV patients during decentralization of antiretroviral therapy in Neno District, Malawi: a retrospective cohort study. *PLoS One*. 12: e0185699.
40. **McBain R**, Peterson L, Mahon N, Dully L, Noel B, Wroe E. (2017) Impact and economic evaluation of a novel HIV service delivery model in rural Malawi. *AIDS*. 131: 1999-2006.
41. Wroe E, **McBain R**, Michaelis A, Dunbar E, Hirschhorn L, Cancedda C. (2017) A novel scenario-based interview tool to evaluate nontechnical skills and competencies in global health delivery. *Journal of Graduate Medical Education*. 9: 467-472.
42. **McBain R**, Wickett E, Mugunga J, Beste J, Konwloh P, Mukherjee J. (2016) The post-Ebola baby boom: a call for health systems strengthening. *The Lancet*. 388: 2331-2333.
43. **McBain R**, Jerome G, Warsh J, Browning M, Mistry B, Faure P, Pierre C, Mugunga JC, Rhatigan J, Leandre F, Kaplan R. (2016) Rethinking the cost of healthcare in low-resource settings. *BMJ Global Health*. 1(3): e000134.
44. Nahimanal E, **McBain R**, Iyer H, Manzi A, Uwingabiye A, Gupta N, Drobac P, Hirschhorn L. (2016) Race to the Top: evaluation of a novel performance-based financing initiative to promote healthcare delivery in rural Rwanda. *Global Health Action*. 9: 32943.
45. Cancedda C, Davis SM, ...**McBain R** et al. (2016) Strengthening health systems while responding to a health crisis: lessons learned by a nongovernmental organization during the Ebola Virus Disease epidemic in Sierra Leone. *Journal of Infectious Disease*. 214: S153-S163.
46. **McBain R**, Salhi C, Hann K, Salomon J, Kim J, Betancourt TS. (2016) Costs and cost-effectiveness of a mental health intervention for war-affected young persons: decision analysis based on a randomized controlled trial. *Health Policy & Planning*. 31: 415-424.
47. Betancourt TS, **McBain R**, Newnham E, Brennan RT. (2015) The intergenerational impact of war: Longitudinal relationships between caregiver and child mental health in post-conflict Sierra Leone. *Journal of Child Psychology & Psychiatry*. 56: 1101-7.
48. **McBain R**, Salhi C, Hann K, Kellie J, Kim J, Salomon J, Betancourt TS. (2015) Improving outcomes for caregivers through treatment of young people affected by war: a randomized controlled trial in Sierra Leone. *Bulletin of the World Health Organization*. 93:834-41.
49. Betancourt TS, **McBain R**, Newnham E, Hann K, Akinsulure-Smith A, Brennan, R, Weisz JR, Hansen NB. (2014) A behavioral intervention for war-affected youth in Sierra Leone: a

randomized controlled trial. *Journal of the American Academy of Child and Adolescent Psychiatry*. 53: 1288-97.

50. de Los Angeles P, Lewis W, **McBain R**, Taghi MY, Adepeju AO, Morris J. (2014) Women in lower income countries utilize fewer mental health services: Implications for mental healthcare services. *Journal of Public Health*. Online.
51. Betancourt TS, **McBain R**, Newnham E, Brennan R. (2014) Context matters: community characteristics and externalizing behaviors among war-affected youth in Sierra Leone. *Journal of Child Psychology & Psychiatry*. 55: 217-26.
52. Hodges B, Meagher B, Norton D, **McBain R**, Sroubek A. (2014) Speaking from ignorance: not agreeing with others we believe are correct. *JPSP*. 106: 218-34.
53. Betancourt TS, **McBain R**, Newnham E, Brennan R. (2013) Trajectories of internalizing problems in war-affected Sierra Leonean youth: examining conflict and post-conflict factors. *Child Development*. 84: 455-70.
54. Betancourt TS, Newnham E, **McBain R**, Brennan RT. (2013) Post-traumatic stress symptoms among former child soldiers in Sierra Leone: follow-up study. *British Journal of Psychiatry*. 203:196-202.
55. **McBain R**, Norton D, Morris J, Yasamy MT, Betancourt TS (2012) The role of health systems in shaping access to psychotropic medicines: a cross-sectional analysis of the WHO-AIMS in 63 low- and middle-income countries. *PLoS Medicine*. 9: e1001166
56. **McBain R**, Salhi C, Morris J, Salomon JA, Betancourt TS. (2012) Burden of disease and mental health systems capacity: a WHO Atlas study of 117 low- and middle-income countries. *British Journal of Psychiatry*. 201: 444-450.
57. Morris J, Lora A, **McBain R**, Saxena S. (2012) Global mental health resources and services: a WHO survey of 184 countries. *Public Health Reviews*. 34(2): 1-19.
58. Lora A, Kohn R, Levav I, **McBain R**, Morris J, Saxena S. (2012) Service availability and utilization and treatment gap for schizophrenic disorders: A survey in 50 low and middle-income countries. *Bulletin of the World Health Organization*. 90:47-54.
59. Betancourt TS, Abrams E, **McBain R**, Smith-Fawzi MK. (2010) Family-centered approaches to the prevention of mother-to-child transmission of HIV (PMTCT). *JIAS*, 13(Suppl 2): S2.

## **PUBLIC HEALTH BOOK CHAPTERS**

1. **McBain R**, Michaelis A (2020) Monitoring and evaluation during the EVD epidemic. In *Ebola Viral Disease Handbook*. Oxford University Press: Oxford.
2. Betancourt TS, Newnham E, Hann K, **McBain R**, Akinsulure-Smith A, Weisz JR, Lilienthal G, Hansen NB. (2014) Addressing the consequences of violence and adversity. In *From Research to Practice in Child and Adolescent Mental Health*. IACAPAP: London.
3. Maulik P, Daniels A, **McBain R**, Morris J (2013). Global mental health resources. In *Global Mental Health: Principles and Practice*. Oxford University Press: Oxford.

## **PUBLIC HEALTH PRESENTATIONS**

1. Fogarty International Center. (2021) *Novel approaches for measuring cost-effectiveness of mental health interventions*. Bethesda, MD, USA.
2. Boston College. (2019) *Methods of cost and cost effectiveness analysis for evaluating health programs*. Boston, MA, USA.
3. Bill & Melinda Gates Foundation. (2019) *Time-driven activity-based costing for evaluating HIV care costs in low-resource settings*. Washington DC, USA.
4. Harvard Business School. (2018) *Costing primary care in Haiti*. Boston, MA, USA.
5. Ministry of Health, Lesotho. (2018) *Results from the National Health Reform Pilot*. Maseru, Lesotho.
6. Harvard Business School. (2017) *Time-driven activity-based costing for evaluating maternal and child health services in Haiti*. Boston, MA, USA.
7. Ministry of Health, Haiti. (2016) *An approach to determining value-based healthcare in Haiti*. Port-au-Prince, Haiti.
8. Department of Psychiatry, Massachusetts General Hospital. (2015) *Epidemiology of mental illness and the global burden of disease*. Boston, MA, USA.
9. Department of Psychiatry, Columbia University. (2014) *The Youth Readiness Intervention: a behavioral intervention for war-affected youths in Sierra Leone*. New York, NY, USA
10. One Health Summit. (2013) *Disease burden and mental health systems capacity: A WHO Atlas Study of 117 low- and middle-income countries*. Davos, Switzerland.
11. Department of Global Health and Population, Harvard School of Public Health. (2013) *Cost-effectiveness of a behavioral intervention for war-affected young persons in Sierra Leone*. Boston, Massachusetts.

12. Department of Psychology, University of British Columbia. (2012) *Designing and implementing an RCT for war-affected young persons in Sierra Leone*. Okanagan, Canada.
13. Ministry of Health, China (2011) *Public hospital reform: regulatory mechanisms*. Beijing, China.

#### **BEHAVIORAL NEUROSCIENCE ARTICLES / REVIEWS**

1. Norton D, **McBain R**, Murray G, Khang J, Zhong J, Maher S, Levy D, Ongur D, Chen Y. (in press) Normal face detection over a range of luminance contrasts in adolescents with autism spectrum disorder. *Journal of Vision Research*.
2. Norton D, **McBain R**, Pizzagalli D, Cronin-Golomb A, Chen Y. (2016) Dysregulation of visual motion inhibition in major depression. *Psychiatry Research*: 240: 214-21.
3. Chen Y, **McBain R**, Norton D. (2015) Specific vulnerability of face perception to noise: a similar effect in schizophrenia patients and healthy individuals. *Psychiatry Research*. 225: 619-24.
4. Chen Y, Norton D, **McBain R**. Effects of domain-specific noise on visual motion processing in schizophrenia. (2014) *PLoS One*. 2014 Jun 9:e99031.
5. Kim J, Norton D, **McBain R**, Ongur D, Chen Y. (2013) Deficient biological motion perception in schizophrenia: Results from a motion noise paradigm. *Frontiers in Psychopathology*. 4:391.
6. Chen Y, Norton D, **McBain R**, Gold J, Frazier J, Coyle J. (2012) Precise visual processing of movement speed in autism. *Neuropsychologia*. 5:733-9.
7. **McBain R**, Norton D, Chen Y. (2011) Reduced cognitive control of a visually-bistable image in schizophrenia. *Journal of the International Neuropsychological Society*. 17:551-6.
8. Norton D, **McBain R**, Ongur D, Chen Y. (2011) Perceptual learning strongly improves visual motion perception in schizophrenia. *Brain and Cognition*. 77:248-56.
9. **McBain R**, Norton D, Chen Y. (2010) Differential roles of low and high spatial frequency content in abnormal facial emotion perception and detection in schizophrenia. *Schizophrenia Research*, 122:151-5.

10. **McBain R**, Norton D, Chen Y. (2010) A female advantage in basic face recognition absent in schizophrenia. *Psychiatry Research*, 177, 12-17.
11. Norton D, **McBain R**, Chen Y. (2009) Reduced ability to detect facial configuration in middle-aged and elderly individuals: associations with spatiotemporal visual processing. *Journal of Gerontology*, 64, 328-34.
12. **McBain R**, Norton D, Chen Y. (2009) Females excel at basic face perception. *Acta Psychologica*, 130, 168–173.
13. Norton D, **McBain R**, Holt D, Ongur D, Chen Y. (2009) Association of impaired facial affect recognition with basic facial and visual processing deficits in schizophrenia. *Biological Psychiatry*, 65, 1094-8.
14. Chen Y, Norton D, **McBain R**, Ongur D, Heckers S. (2009) Visual and cognitive processing of face information in schizophrenia: detection, discrimination and working memory. *Schizophrenia Research*, 1, 92-98.

## MEDIA COVERAGE

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1. Thompson, Dennis. (2020) [One big roadblock to opioid addiction treatment](#). *U.S. News*.
2. Rapaport, Lisa. (2020) [Few doctors can legally prescribe opioid-addiction drug](#). *Reuters*.
3. Keene, Donovan. (2020) [Big pharma: the international reach of the opioid crisis](#). *Harvard Political Review*.
4. Santhanam, Laura. (2019) [Why mental health care deserts persist for U.S. children](#). *PBS Newshour*.
5. Pearson, Catherine. (2019) [There aren't enough mental health providers. And kids are paying the price](#). *Huffington Post*.
6. Rapaport, Lisa. (2019) [Growing number of child psychiatrists in U.S. bypasses some kids](#). *Reuters*.
7. Gordon, Serena. (2019) [Many areas in U.S. lack child psychiatrists](#). *WebMD*.
8. Nobel, Carmen. (2018) [How cost accounting is improving healthcare in rural Haiti](#). *Harvard Business School Working Knowledge*.

## TRAINING & SKILLS

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- **Foreign Languages:** French (Intermediate), Spanish (Basic), Krio (Basic)
- **Statistical Software:** STATA, SAS, R, SPSS, SYSTAT, mPlus, TreeAge, SigmaPlot
- **Programs/Databases:** MS Excel, MS Access, MS PowerPoint, EndNote, Zotero, Mendeley, CommCare, CPro, MagPi, Kobo

## APPOINTMENTS & MEMBERSHIPS

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- **Journal Referee:**  
*Annals of Internal Medicine, Health Affairs, Bulletin of the World Health Organization, AIDS, Drug and Alcohol Dependence, British Journal of Psychiatry, Child Development, Psychiatry Research, Child and Adolescent Mental Health, Pediatrics, Psychiatric Services, and Health Services Research*
- **Memberships:**  
American Statistical Association, Global Health Council, Association for Psychological Science, American Public Health Association, Association of Child and Adolescent Mental Health
- **Advisor:**  
The Lancet NCDI Commission: Reframing Noncommunicable Diseases and Injuries for the Poorest Billion (2016-2017)