

Published Research by BUP-Affiliated Researchers

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If you are affiliated with the Botswana-UPenn Partnership and have published research not listed here, please email [Amy Gastinger](mailto:Amy.Gastinger@upenn.edu) with a link so your work can be added to this list. Thank you!

**2019: Updates ongoing**

1. Becker, T. D., Ho-Foster, A. R., Poku, O. B., Marobela, S., Mehta, H., Xuan Cao, D. T., Yang, L. H. (2019). "It's When the Trees Blossom": Explanatory Beliefs, Stigma, and Mental Illness in the Context of HIV in Botswana. *Qualitative Health Research*.  
<https://doi.org/10.1177/1049732319827523>

**2018: 50 Publications**

1. Banda FM, Powis KM, Mokoka AB, Mmapetla M, Westmoreland KD, David T, Steenhoff AP. Hearing Impairment Among Children Referred to a Public Audiology Clinic in Gaborone, Botswana. *Glob Pediatr Health*. 2018 Apr 20;5:2333794X18770079. doi: 10.1177/2333794X18770079.
2. Brown CA, Kohler RE, John O, Motswetla G, Mmalane M, Tapela N, Grover S, Dryden-Peterson S, Lockman S, Dryden-Peterson SL. Multilevel Factors Affecting Time to Cancer Diagnosis and Care Quality in Botswana. *Oncologist*. 2018 Aug 6. pii: theoncologist.2017-0643. doi: 10.1634/theoncologist.2017-0643. [Epub ahead of print] PubMed PMID: 30082488.
3. Collaborative Group for the Meta-Analysis of Individual Patient Data in MDR-TB treatment–2017, Ahmad N, Ahuja SD, Akkerman OW, Alffenaar JC, Anderson LF, Baghaei P, Bang D, Barry PM, Bastos ML, Behera D, Benedetti A, Bisson GP, Boeree MJ, Bonnet M, Brode SK, Brust JCM, Cai Y, Caumes E, Cegielski JP, Centis R, Chan PC, Chan ED, Chang KC, Charles M, Cirule A, Dalcolmo MP, D'Ambrosio L, de Vries G, Dheda K, Esmail A, Flood J, Fox GJ, Fréchet-Jachym M, Fregona G, Gayoso R, Gegia M, Gler MT, Gu S, Guglielmetti L, Holtz TH, Hughes J, Isaakidis P, Jarlsberg L, Kempker RR, Keshavjee S, Khan FA, Kipiani M, Koenig SP, Koh WJ, Kritski A, Kuksa L, Kvasnovsky CL, Kwak N, Lan Z, Lange C, Laniado-Laborín R, Lee M, Leimane V, Leung CC, Leung EC, Li PZ, Lowenthal P, Maciel EL, Marks SM, Mase S, Mbuagbaw L, Migliori GB, Milanov V, Miller AC, Mitnick CD, Modongo C, Mohr E, Monedero I, Nahid P, Ndjeka N, O'Donnell MR, Padayatchi N, Palmero D, Pape JW, Podewils LJ, Reynolds I, Riekstina V, Robert J, Rodriguez M, Seaworth B, Seung KJ, Schnippel K, Shim TS, Singla R, Smith SE, Sotgiu G, Sukhbaatar G, Tabarsi P, Tiberi S, Trajman A, Trieu L, Udwadia ZF, van der Werf TS, Veziris N, Viiklepp P, Vilbrun SC, Walsh K, Westenhoe J, Yew WW, Yim JJ, Zetola NM, Zignol M, Menzies D. Treatment correlates of successful outcomes in pulmonary multidrug-resistant tuberculosis: an individual patient data meta-analysis. *Lancet*. 2018 Sep 8;392(10150):821-834. doi: 10.1016/S0140-6736(18)31644-1. Review. PubMed PMID:30215381.
4. Cox M, Becker TD, Motsumi M. Head injury burden in a major referral hospital emergency centre in Botswana. *Afr J Emerg Med*. 2018 Sep;8(3):100-105. doi:10.1016/j.afjem.2018.02.003. Epub 2018 Apr 30. PubMed PMID: 30456157; PubMedCentral PMCID: PMC6223603.
5. Cox M, Becker T, Motsumi M. Head trauma: A significant public health concern among young men in Botswana. Etiology referral patterns and opportunities for interventions. *J Public Health Afr*. 2018;9(2):798. Published 2018 Oct 22. doi:10.4081/jphia.2018.798

6. D'Atanasio E, Trombetta B, Bonito M, Finocchio A, Di Vito G, Seghizzi M, Romano R, Russo G, Paganotti GM, Watson E, Coppa A, Anagnostou P, Dugoujon JM, Moral P, Sellitto D, Novelletto A, Cruciani F. [The peopling of the last Green Sahara revealed by high-coverage resequencing of trans-Saharan patrilineages](#). *Genome Biol.* 2018 Feb 12;19(1):20. doi: 10.1186/s13059-018-1393-5.
7. Doherty K, Arena K, Wynn A, Offorjebe OA, Moshashane N, Sickboy O, Ramogola-Masire D, Klausner JD, Morrioni C. Unintended Pregnancy in Gaborone, Botswana: A Cross-Sectional Study. *Afr J Reprod Health.* 2018 Jun;22(2):76-82. doi: 10.29063/ajrh2018/v22i2.8.
8. Enane LA, Mokete K, Joel D, Daimari R, Tshume O, Anabwani G, Mazhani L, Steenhoff AP, Lowenthal ED. "We did not know what was wrong"-Barriers along the care cascade among hospitalized adolescents with HIV in Gaborone, Botswana. *PLoS One.* 2018 Apr 9;13(4):e0195372. doi: 10.1371/journal.pone.0195372. eCollection2018. PubMed PMID: 29630654.
9. Ford N, Shubber Z, Jarvis JN, Chiller T, Greene G, Migone C, Vitoria M, Doherty M, Meintjes G. CD4 Cell Count Threshold for Cryptococcal Antigen Screening of HIV-Infected Individuals: A Systematic Review and Meta-analysis. *Clin Infect Dis.* 2018 Mar 4;66(suppl\_2):S152-S159. doi: 10.1093/cid/cix1143.
10. Goldberg DW, Tenforde MW, Mitchell HK, Jarvis JN. Neurological Sequelae of Adult Meningitis in Africa: A Systematic Literature Review. *Open Forum Infect Dis.* 2017 Nov 11;5(1):ofx246. doi: 10.1093/ofid/ofx246.
11. Gersh JK, Feldman Z, Greenberger E, Chandra A, Friedman HM, Ho-Foster A, Haas MK. Tuberculosis among individuals with community-acquired pneumonia presenting to emergency in Gaborone, Botswana. *J Public Health Afr.* 2018 May 21;9(1):803. doi: 10.4081/jphia.2018.803. eCollection 2018 May 21.
12. Grover S, Martei YM, Puri P, Prabhakar P, Mutebi M, Balogun OD, Price AJ, Freeman AH, Narasimhamurthy M, Rodin D, Rayne S, Zetola NM. Breast Cancer and HIV in Sub-Saharan Africa: A Complex Relationship. *J Glob Oncol.* 2018 Sep;(4):1-11. doi: 10.1200/JGO.2016.006585. Epub 2017 Jan 11. PubMed PMID: 30241185; PubMed Central PMCID: PMC6180795.
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14. Ho-Foster A, Tenforde MW, Arscott-Mills T, Maramba M, Sedigeng P, Mbeha B, Banda F, Steenhoff AP. Risk factors for gastric aspirate culture contamination in children evaluated for tuberculosis in Botswana. *Int J Tuberc Lung Dis.* 2018 Sep 1;22(9):1044-1050. doi: 10.5588/ijtld.18.0036.
15. Kadimisetty K, Song J, Doto AM, Hwang Y, Peng J, Mauk MG, Bushman FD, Gross R, Jarvis JN, Liu C. Fully 3D printed integrated reactor array for point-of-care molecular diagnostics. *Biosens Bioelectron.* 2018 Jun 30;109:156-163. doi: 10.1016/j.bios.2018.03.009. Epub 2018 Mar 10. PubMed PMID: 29550739; PubMed Central PMCID: PMC6172948.
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17. Lohr PA, Parsons JH, Taylor J, Morrioni C. Outcomes of dilation and evacuation with and without feticide by intra-cardiac potassium chloride injection: a service evaluation. *Contraception.* 2018 Apr 19. pii: S0010-7824(18)30146-X. doi: 10.1016/j.contraception.2018.04.010. [Epub ahead of print] PubMed PMID: 29680767.

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28. Okatch H, Sowicz TJ, Teng H, Ramogola-Masire D, Buttenheim AM. Achieving public and global health competencies: A teaching case study of Botswana's cervical cancer screening program. *Public Health Nurs.* 2018 May;35(3):238-245. doi: 10.1111/phn.12389.
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30. Papasavvas E, Kossenkov AV, Azzoni L, Zetola NM, Mackiewicz A, Ross BN, Fair M, Vadrevu S, Ramogola-Masire D, Sanne I, Firnhaber C, Montaner LJ. Gene expression profiling informs HPV cervical histopathology but not recurrence/relapse after LEEP in ART-suppressed HIV+HPV+ women. *Carcinogenesis*. 2018 Oct 26. doi: 10.1093/carcin/bgy149. [Epub ahead of print] PubMed PMID: 30364933.
31. Park YD, Jarvis JN, Hu G, Davis SE, Qiu J, Zhang N, Hollingsworth C, Loyse A, Gardina PJ, Valyi-Nagy T, Myers TG, Harrison TS, Bicanic T, Williamson PR. Transcriptional Profiling of Patient Isolates Identifies a Novel TOR/Starvation Regulatory Pathway in Cryptococcal Virulence. *MBio*. 2018 Dec 18;9(6). pii:e02353-18. doi: 10.1128/mBio.02353-18. PubMed PMID: 30563896.
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33. Peluso MJ, Lockett R, Mantzor S, Bedada AG, Saleeb P, Haverkamp M, Mosepele M, Haverkamp C, Maoto R, Prozesky D, Tapela N, Nkomazana O, Barak T. Correction to: Strengthening medical training programmes by focusing on professional transitions: a national bridging programme to prepare medical school graduates for their role as medical interns in Botswana. *BMC Med Educ*. 2018 Mar 27;18(1):56. doi: 10.1186/s12909-018-1169-3. PubMed PMID: 29587735; PubMed Central PMCID: PMC5872549.
34. Pernica JM, Steenhoff AP, Mokomane M, Moorad B, Lechiile K, Smieja M, Mazhani L, Cheng J, Kelly MS, Loeb M, Stordal K, Goldfarb DM. Correction: Rapid enteric testing to permit targeted antimicrobial therapy, with and without *Lactobacillus reuteri* probiotics, for paediatric acute diarrhoeal disease in Botswana: A pilot, randomized, factorial, controlled trial. *PLoS One*. 2018 Mar 21;13(3):e0194957. doi: 10.1371/journal.pone.0194957.
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## 2017: 23 Publications

1. Arscott-Mills T, Masole L, Ncube R, Steenhoff AP. Survey of Health Care Worker Knowledge of Childhood Tuberculosis in High Burden Centers in Botswana. *International Journal of TB and Lung Disease*. 21(5): 586-591, May 2017.

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4. Grover S, Chiyapo SP, Puri P, Narasimhamurthy M, Gaolebale BE, Tapela N, Ramogola-Masire D, Kayembe M KA, Moloi T, and Gaolebale P A. Multidisciplinary Gynecologic Oncology Clinic in Botswana: A Model for Multidisciplinary Oncology Care in Low- and Middle-Income Settings. DOI: 10.1200/JGO.2016.006353 *Journal of Global Oncology* - published online before print February 8, 2017.
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6. Martei YM, Binagwaho A, Shulman LN. Affordability of Cancer Drugs in Sub-Saharan Africa: Effects of Pricing on Needless Loss of Life. *JAMA Oncol*. 2017 Oct 1;3(10):1301-1302. doi: 10.1001/jamaoncol.2017.0479. PubMed PMID: 28426846.
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8. Opondo PR, Molebatsi K, Olashore A, Ayugi J, Ho-Foster A, Ndetei D. Mythical and supernatural creatures in psychiatric symptomatology: Thokolosi in Southern Africa. *International Journal of Culture and Mental Health*. 2017:1-7. Accessible at Doi: <http://dx.doi.org/10.1080/17542863.2017.1362449>
9. Ravimohan S, Tamuhla N, Nfanyana K, Li H, Steenhoff AP, Gross R, Weissman D, Bisson GP. Elevated pre-ART CD39+CD8+ T-cell frequency is associated with early mortality in advanced HIV/TB. *Clinical Infectious Diseases* 2017 May 15;64(10):1453-1456. doi: 10.1093/cid/cix155.
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11. Reid M JA, Fischer R SB, Mannathoko N, Muthoga C, McHugh E, Essigmann H, Brown EL, Steenhoff AP. Prevalence of *Staphylococcus aureus* nasal carriage in HIV-infected and HIV-uninfected children in Botswana: Prevalence and Risk Factors. *American Journal of Tropical Medicine and Hygiene*. In press 2017.
12. Reid M JA, Steenhoff AP, Mannathoko N, McHugh EE, Muthoga C, Brown EL, Fischer R SB. *Staphylococcus Aureus* Nasal Colonization among HIV-Infected Adults in Botswana: Prevalence and Risk Factors. *AIDS Care* January 2017.
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15. Shin SS, Modongo C, Boyd R, Caiphus C, Kuate L, Kgwaadira B, Zetola NM. High Treatment Success Rates Among HIV-Infected Multidrug-Resistant Tuberculosis Patients After Expansion of Antiretroviral Therapy in Botswana, 2006-2013. *J Acquir Immune Defic Syndr*. 2017 Jan 1;74(1):65-71. PMID: 27552155
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17. Shin SS, Modongo C, Ncube R, Sepako E, Klausner JD, Zetola NM. Advanced immune suppression is associated with increased prevalence of mixed-strain *Mycobacterium tuberculosis* infections among persons at high risk for drug-resistant TB in Botswana. *Journal of Infectious Diseases* 2014 Jul 28. pii: jiu421. PubMed PMID: 25070941. NIHMSID: 620293.
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